

Aquatic Resources Delineation Report

**Harmony Storage Project
Cass County, North Dakota**

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March 13, 2026

Stantec Project No. 193711746

AQUATIC RESOURCES DELINEATION REPORT

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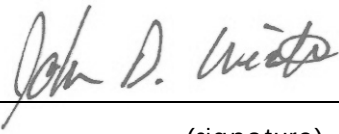
This document entitled Aquatic Resources Delineation Report was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of Harmony Storage, LLC (the "Client"). The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes.

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1.0 INTRODUCTION

Harmony Storage, LLC (the Client) is proposing the Harmony Storage Project, a 200-megawatt (MW) battery energy storage facility project located north of Mapleton, northwest of Fargo, North Dakota and northeast of Casselton, in Cass County, North Dakota. The Client will be submitting to the North Dakota Public Service Commission (ND PSC) a Certificate of Compatibility (CSC) application.

Stantec Consulting Services Inc. (Stantec) performed an aquatic resources delineation of the Harmony Storage Project (the "Study Area") on behalf of the Client. The Study Area is approximately 160 acres in size; located in Section 12, Township 140 North, Range 51 West; Cass County, North Dakota. Stantec performed the aquatic resources delineations within the Study Area on October 10th, 2025.

The purpose and objective of the aquatic resources delineation was to identify the extent and spatial arrangement of wetlands, as well as to identify potentially jurisdictional waterways, within the Project Study Area. All properties within the Study Area were available for site access at the time of the surveys. The aquatic resources delineations were completed by Eli Nedden and Eliza Suchan of Stantec.

Wetland and waterways may be subject to federal regulation under the jurisdiction of the U.S. Army Corps of Engineers (USACE) and potential other local regulation under the State.

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2.0 METHODS

2.1 WETLANDS

Wetland determinations were based on the criteria and methods outlined in the *U.S. Army Corps of Engineers Wetlands Delineation Manual*, Technical Report Y-87-1 (USACE 1987 Manual), and subsequent guidance documents and Great Plains Regional Supplements to the USACE 1987 Manual.

The wetland determination involved a desktop review of available resources, including U.S. Geological Survey (USGS) topographic maps, U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) soil survey, National Wetland Inventory (NWI) mapping, and aerial photography. Field access was provided on most parcels and road right of way (ROW) within the Project Study Area. Wetlands were either delineated via on-site methods within accessible portions of the Project Study Area or field verified to be present by observations made from accessible portions of the Project.

On-site wetland determinations were made using the three criteria (vegetation, soil, and hydrology) and technical approach as defined in the USACE 1987 Manual and applicable Regional Supplement. According to procedures described in the USACE 1987 Manual and applicable Regional Supplement, areas that under normal circumstances reflect a predominance of hydrophytic vegetation, hydric soils, and wetland hydrology (e.g., inundated or saturated soils) are considered wetlands.

Because recent weather patterns influence the visibility and presence of some wetland hydrology indicators, the antecedent precipitation in the three months leading up to the field investigation was reviewed. The current year's precipitation data were compared to long-term (30-year) precipitation averages and standard deviation to determine if precipitation was normal, wet, or dry for the area using the Antecedent Precipitation Tool developed by the USACE. Results of the WETS analysis can be found in Section 3.1.

Though not required in North Dakota, a review of six years (2012, 2014, 2015, 2017, 2019, 2021, and 2023) of USDA National Agriculture Imagery Program (NAIP) aerial imagery was conducted for the Project Study Area prior to October field surveys. The aerial imagery reviews assist in the wetland determination due to the presence of farmed areas with mapped "poorly drained" or "somewhat poorly drained" soils within the Project Study Area. The aerial imagery was reviewed for the appearance of wetland signatures. A wetland signature is field evidence, recorded by aerial imagery, of ponding, flooding, or impacts of saturation for sufficient duration, which meets wetland hydrology and possibly wetland vegetation criteria. Wetland signatures may vary based on the type and seasonal date of the aerial imagery. Signatures visible on NAIP aerial imagery in cropland for North Dakota have been categorized as follows:

1. Hydrophytic vegetation (seen as a different color of green)
2. Surface water (usually black or white)
3. Drowned-out crops (bare soil or mud flats)
4. Differences in color due to different planting dates or isolated areas not farmed with the rest of the field
5. Inclusions of wet areas in set-aside program
6. Patches of greener color in "dry" years
7. Crop stress (yellow) or sparse canopy (light green)

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8. Saturated soil visible on infrared (IR) slides or photos

As stated above, a review of six years of NAIP imagery was completed in conjunction with a WETS analysis of those years prior to field work. A conservative approach utilizing WETS determined years of “normal” and “drier than normal” precipitation was analyzed for wetness signatures. Based on a WETS analysis for the dates and years chosen for the aerial review, the 2015, 2017, 2019, and 2021 aerial reviews were considered “normal”. The 2012, 2014, and 2023 reviews were considered “drier than normal”. The WETS analysis for each year of NAIP aerial photography used in the wet signature analysis is included in Appendix D.

Polygons representing the wet signature analysis results were uploaded to an ArcGIS Online (AGO) mapping site and used in the field during the surveys. Wet signatures are also depicted in Appendix E – Off-site Aerial Photo Review Summary. Areas within agricultural fields were identified as potential wetlands if they contained wetness signatures listed above for two out of six normal years that were analyzed. Areas identified as wet signatures were field verified and on-site wetland determinations were made using the three criteria (vegetation, soil, and hydrology) and technical approach as defined in the USACE 1987 Manual and applicable Regional Supplement.

Wetlands within agricultural land were delineated based on field indicators present at the time field investigations were completed, taking into consideration antecedent precipitation. Wetland indicators that were taken into consideration in agricultural lands included:

- crop stress (stunting, yellowing, etc.)
- topography (low-lying areas or depressions)
- indicator status of plants comprising the weed community
- hydrologic indicators (e.g., visible surface hydrology, farm-around areas, etc.), and/or
- NRCS hydric soil units

For wetlands delineated in the field, a preliminary reconnaissance of the Project Study Area was used to determine the general topography and plant communities in the area, and to identify suitable locations for sampling transects. To document the rationale for boundary placement at each wetland identified, one paired set of upland/wetland sample points was typically recorded at a representative location. The above-described methods were used to identify and document the conditions at each sample point. Additional paired upland/wetland sample points at the same wetland feature were recorded, if necessary, based on the size and/or complexity of the feature. A single sampling point was located within the previously identified wet signatures to examine the presence or absence of hydrology and hydric soil indicators.

The following methods were employed at each observation point.

1. The presence or absence of normal circumstances was determined.
2. The plant community was characterized by identifying dominant plant species using the “50/20” rule. For each stratum in the plant community, dominant species are those (when ranked in descending order of abundance and cumulatively totaled) that immediately exceed 50% of the total dominance measure for the stratum, plus any additional species comprising 20% or more of the total dominance measure for the stratum. Wetland indicator status is ranked by percent probability of the species occurrence in wetlands as follows:
 - OBL = Obligate Wetland, occurs with an estimated 99 percent probability of occurrence in wetlands;
 - FACW = Facultative Wetland, estimated 67 to 99 percent probability of occurrence in wetlands;

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- FAC = Facultative, equally likely to occur in wetlands and non-wetlands (34 to 66 percent probability);
 - FACU = Facultative upland, 67 to 99 percent probability in non-wetlands, 1 to 33 percent in wetlands;
 - UPL = Obligate Upland, greater than 99 percent probability in non-wetlands in this region; and
 - NI = No indicator, insufficient information available to determine an indicator status.
3. Hydrology was assessed by observing for primary (i.e., inundation, saturation within the root zone, water marks, etc.) and secondary (i.e., drainage patterns, geomorphic position, FAC-Neutral test, etc.) indicators of wetland hydrology.
 4. Soil pits were dug to a depth of at least 24 inches (if soil conditions allowed), where necessary, and the soil was evaluated for hydric soil indicators.

The uppermost wetland boundary and sampling points were identified and surveyed with an iPad with Global Positioning System (GPS) receiver/antenna capable of sub-meter accuracy and mapped using Geographical Information System (GIS) software.

2.2 WATERWAYS

Streams or other waters were identified when an Ordinary High Water Mark (OHWM) was observed. An OHWM is defined as “That line on the shore established by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding area” (33 CFR 328.3).

For OHWM delineations, the Ordinary High Water Mark Delineation Guidelines (North Dakota State Engineer, 2007) and the USACE Regulatory Guidance Letter (RGL, No. 05-05), Ordinary High Water Mark Identification, was utilized, with the North Dakota Department of Transportation (NDDOT) Other Water Form being filled out in the field.

Culverts, and/or other connections to off-site wetland or aquatic features, along with various geomorphological characteristics, including height of top of bank, width and height of ordinary high-water mark, channel substrate, and flow rate were identified during the study. Waterways shown on the National Hydrography Dataset but not observed in the field, were photographed and the note “Waterway Not Present” was placed on the Aquatic Resources Delineation mapping.

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3.0 RESULTS

3.1 SITE DESCRIPTION

The Project Study Area is comprised of road ROWs, cropland, and wetlands. The Project Study Area is located northwest of Fargo, North Dakota and northeast of Casselton, Cass County, North Dakota (Appendix A, Figure 1). The Project Study Area consists entirely of active agricultural row crops and includes one electrical transmission line ROW traversing the central portion of the property.

Soils present within the Project Study Area, and their hydric status are summarized in Table 1.

Table 1. NRCS Soil Survey Summary Table

NRCS Soil Map Unit	Map Unit Name	Hydric Soil Rating	Drainage Class
I229A	Fargo silty clay, 0 to 1 percent slopes	100	Poorly drained
I238A	Fargo-Hegne silty clays, 0 to 1 percent slopes	100	Poorly drained
I473A	Hegne-Fargo silt clays, 0 to 1 percent slopes	10	Somewhat poorly drained
I482A	Overly-Bearden silt loams, 0 to 2 percent slopes	10	Somewhat poorly drained

The NWI map does not identify wetlands of any community type) within the Project Study Area (Appendix A, Figure 3).

Average precipitation for the investigation area was obtained using the Antecedent Precipitation Tool (Deters, USACE). A total of approximately 9.36 inches for October 10, 2025, of precipitation occurred in the three-month period prior to the October field investigation. When compared to the long-term precipitation data for the three months prior to the field investigations, precipitation conditions are considered drier than normal for the October survey (Appendix D). The APT determined that October 2025 was within the dry season for the Project Study Area.

3.2 WETLANDS

Six (6) wetlands were field delineated within the Project Study Area (Figure 4). Wetland determination data forms were completed for seventeen (17) sample points along transects through the wetlands and adjacent uplands and are included in Appendix B. A summary of field identified wetlands is presented in Table 2. Photographs of the wetlands, waterways, and uplands can be found in Appendix C. The Antecedent Precipitation (WETS) Analysis for the Project Study Area at the time of the field surveys in October 2025 is provided in Appendix D. The off-site aerial photo review summaries and figure set included in Appendix E.

3.2.1 Vegetation

Two wetland vegetative communities were observed within the Project Study Area. A description of each community is listed below. Some delineated wetlands contain more than one vegetative community, as summarized below and described in more detail within Table 2. Specific information related to each wetland can be found in the data sheets provided in Appendix B.

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Seasonally Flooded Basin

Five (5) wetlands containing seasonally flooded basin plant communities were identified within the Project Study Area (Wetlands W01, W02, W03, W04, W05). Seasonally flooded basins are typically poorly drained, shallow depression that contain standing water for a few weeks each year but are usually dry for much of the growing season. These areas were largely sparsely vegetated with bare ground, stunted crops, and common field weeds such as redroot pigweed (*Amaranthus retroflexus*, FACU).

Wet Meadow

One (1) wetland containing elements wet meadow plant communities was identified within the Project Study Area (Wetland W06). Wet meadows are typically vegetated with perennial forbs, grasses and sedges within seasonally wet to saturated soils. All wet meadow communities could be considered degraded due to the presence of invasive reed canary grass. Dominant species included reed canary grass (*Phalaris arundinacea*, FACW).

3.2.2 Soils

Mapped soils within the Project Study Area are shown in Figure 2 and summarized in Table 1 below. All the delineated wetlands were located within somewhat poorly drained, mapped predominantly non-hydric soils units. (Appendix A, Figure 2). The most common NRCS Field Indicators of hydric soil indicators identified during the wetland delineation were Thick Dark Surface (A12) and Redox Dark Surface (F6) with Depleted Below Dark Surface (A11) and Depleted Matrix (F3) observed at lesser extents.

3.2.3 Hydrology

Indicators used to determine the presence of wetland hydrology included Sparsely Vegetated Concave Surface (B8), Saturation Visible on aerial imagery (C9), Geomorphic Position (D2), and FAC-Neutral Test (D5). For a complete description of hydrology indicators observed at each wetland refer to the data sheets presented in Appendix B.

3.2.4 Wetland Boundary

In general, wetland boundaries were determined based on distinct differences in vegetation, hydrology, soils, and topography consisting of the following: 1) transition from a wetland plant community to healthy agricultural crops and/or upland plant communities; 2) transition from areas that contained wetland hydrology indicators to areas that lacked wetland hydrology indicators; 3) transition from soils that contained field indicators of hydric soil to soils that lacked hydric soil field indicators; and 4) location of crop stress, saturation, and wetland signatures from the off-site aerial imagery analysis in normal precipitation years consistent with observations made in the field. Wetlands delineated within the Project Study Area are summarized in Table 2 below.

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Table 2. Summary of Wetlands Identified within the Project Study

Wetland ID ¹	LAT (Dec. Deg.)	Long (Dec. Deg.)	Acreage Within Project Study Area	Wetland Type/Cowardin Class	NWI Mapped Wetland (Yes/No)	Wetland Type	Wetland Description/Dominant Plant Species	Connection to Waterway
W01	46.9510318	-97.0629002	0.05	Seasonally Flooded Basin/PEM	No	Natural	Seasonally flooded basin within an agricultural field. Sparsely vegetated concave surface dominated by redroot pigweed.	Isolated
W02	46.9544217	-97.0627731	0.02	Seasonally Flooded Basin/PEM	No	Natural	Seasonally flooded basin within an agricultural field. Sparsely vegetated concave surface.	Isolated
W03	46.9552764	-97.0627351	0.08	Seasonally Flooded Basin/PEM	No	Natural	Seasonally flooded basin within an agricultural field. Sparsely vegetated concave surface.	Isolated
W04	46.953524	-97.072757	1.37	Seasonally Flooded Basin/PEM	No	Natural	Seasonally flooded basin within an agricultural field. Sparsely vegetated concave surface.	Isolated
W05	46.9494910	-97.0729731	0.4	Seasonally Flooded Basin/PEM	No	Natural	Seasonally flooded basin within an agricultural field. Sparsely vegetated concave surface.	Isolated
W06	46.9492589	-97.0732218	0.02	Wet Meadow/PEM	No	Ditch	Wet meadow within a roadside ditch. Dominated by reed canary grass.	Isolated

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3.3 OFF-SITE AERIAL IMAGERY REVIEW

Though not required in North Dakota, a review of aerial imagery was completed for the Project Study Area to determine if there were any areas of potential wetland signatures (Appendix E). Five (5) areas exhibited off-site aerial wet signatures during the reviews. During the field investigations, wetland conditions were observed at portions of four (4) areas that were indicated by the offsite aerial review. The Project Study Area consisted primarily of cropland with shallow surface drains effectively conveying water out of the fields. The remaining areas did not meet wetland criteria and lacked landscape positions suitable for wetlands conditions to form.

3.4 UPLANDS

Upland within the Project Study Area consisted of cropland and road ditches. Cropland primarily consisted of harvested corn.

3.5 WATERWAYS AND WATERBODIES

No waterways were identified within the Project Study Area. No open water features were identified within the Project Study Area.

4.0 CONCLUSION

Stantec performed an aquatic resources delineation for the proposed Harmony Storage Project located in Cass County, North Dakota. The Project involves the construction of a battery energy storage system and associated facilities. The aquatic resources delineations described in this report were conducted in October 2025.

Six (6) wetlands were identified within the Project Study Area in accordance with federal guidelines. Wetlands consisted of seasonally flooded basin and wet meadow features. The wetland boundaries were surveyed with a GPS capable of sub-meter accuracy and mapped using GIS software. Uplands within the Project Study Area consisted of road ROWs and cropland. No waterways or other open water features were identified within the Project Study Area.

The aquatic resources delineations were completed by experienced and qualified professionals using regulatory agency-accepted practices and sound professional judgment.

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5.0 REFERENCES

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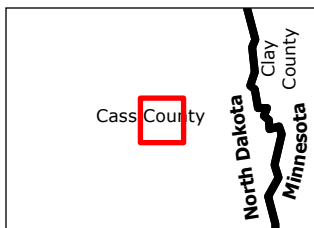
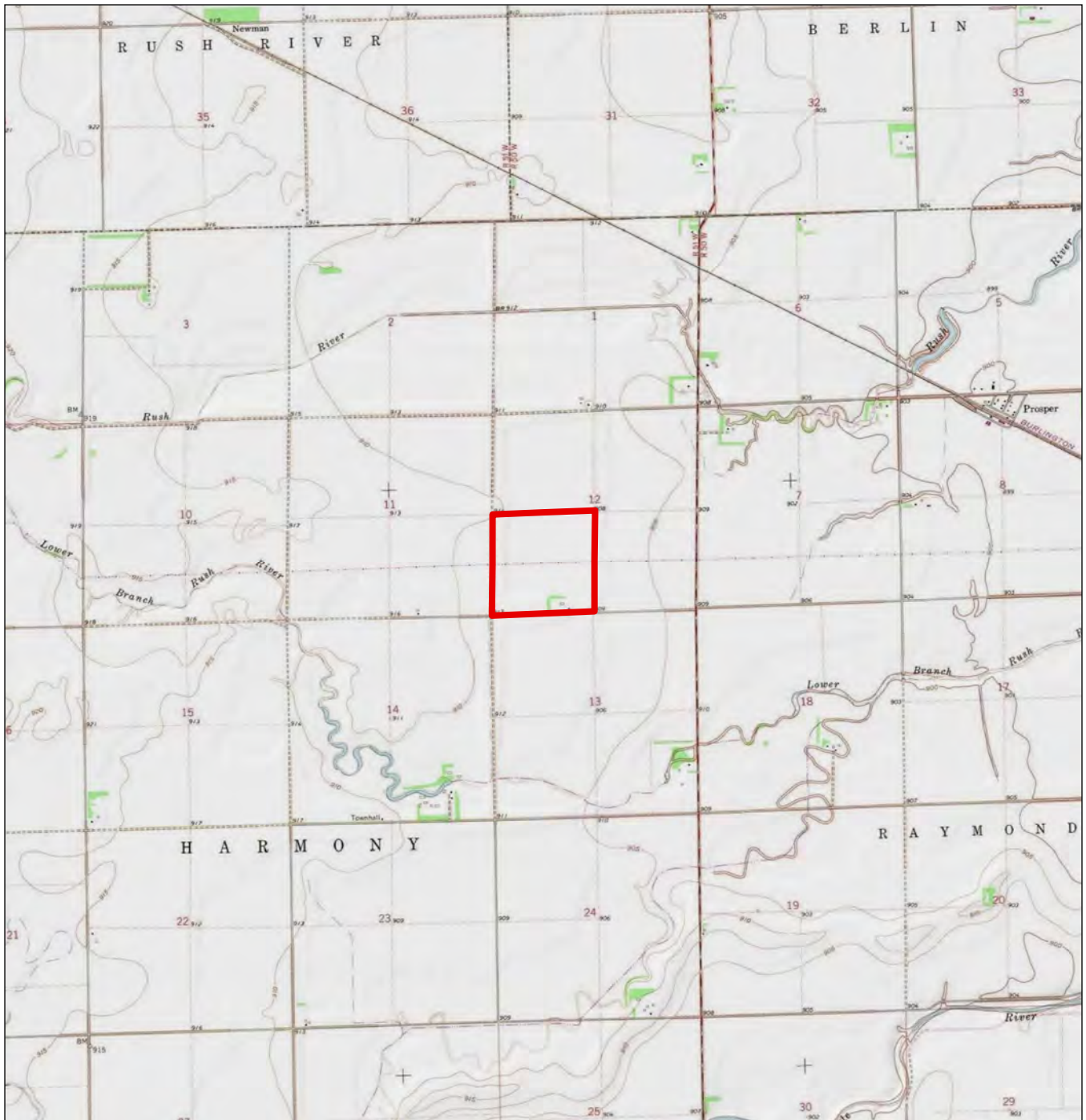
Appendix A – Figures

Figure 1. Project Location and Topography

Figure 2. NRCS Soil Survey Data Hydric Ratings

Figure 3. National Wetland Inventory

Figure 4. Aquatic Resources Delineation Map



Legend
 Project Boundary

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(At original document size of 8.5x11)
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Project Location
T140N, R51W, S14
Harmony, Cass Co., ND

Prepared by BS on 2026-03-02

Client/Project
Harmony Storage, LLC
Aquatic Resources Delineation

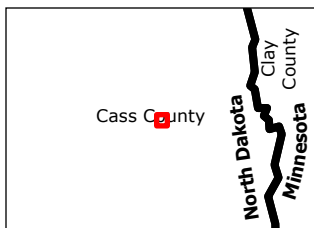
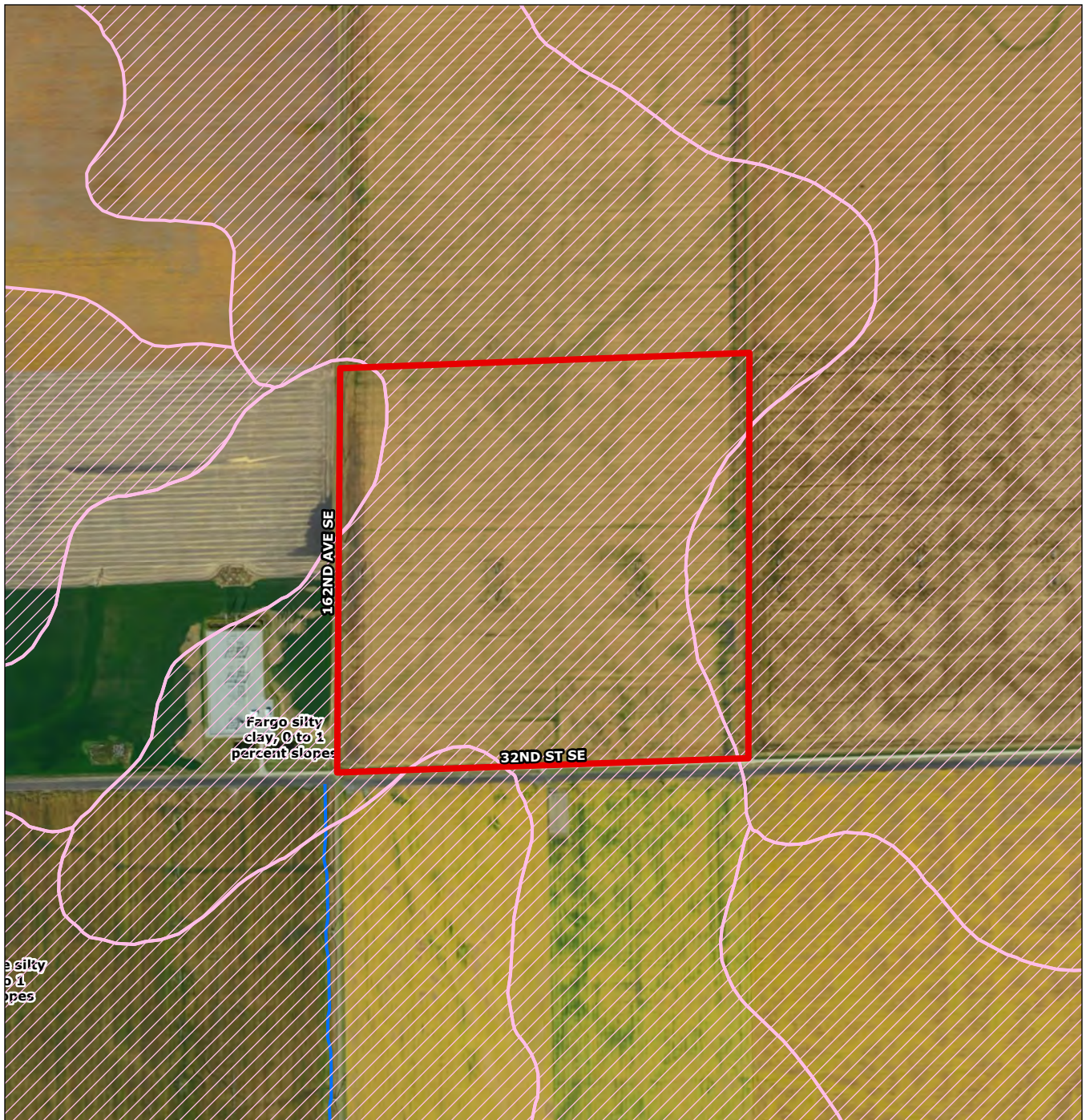
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Figure No.

1

Title
Project Location & Topography

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- Legend
- Project Boundary
 - NHD Stream
 - NRCS Soil Survey Data - Hydric Rating**
 - Hydric
 - Predominantly Non-Hydric

0 500 1,000 Feet
(At original document size of 8.5x11)
1:12,000



Project Location
T140N, R51W, S14
Harmony, Cass Co., ND

Prepared by BS on 2026-03-02

Client/Project
Harmony Storage, LLC
Aquatic Resources Delineation

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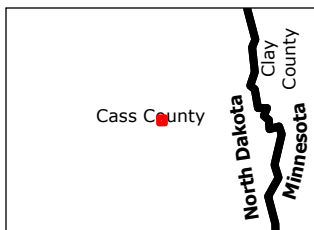
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2

Title
**NRCS Soil Survey Data Hydric
Ratings**

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Notes
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP, NWI, NHD
3. Background: NAIP 2023

- Legend**
- Project Boundary
 - NHD Stream
 - National Wetland Inventory
 - Freshwater Pond
 - Riverine

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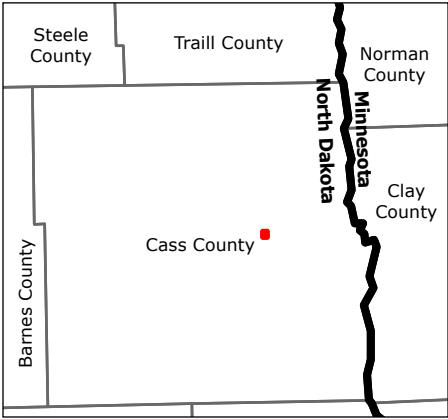
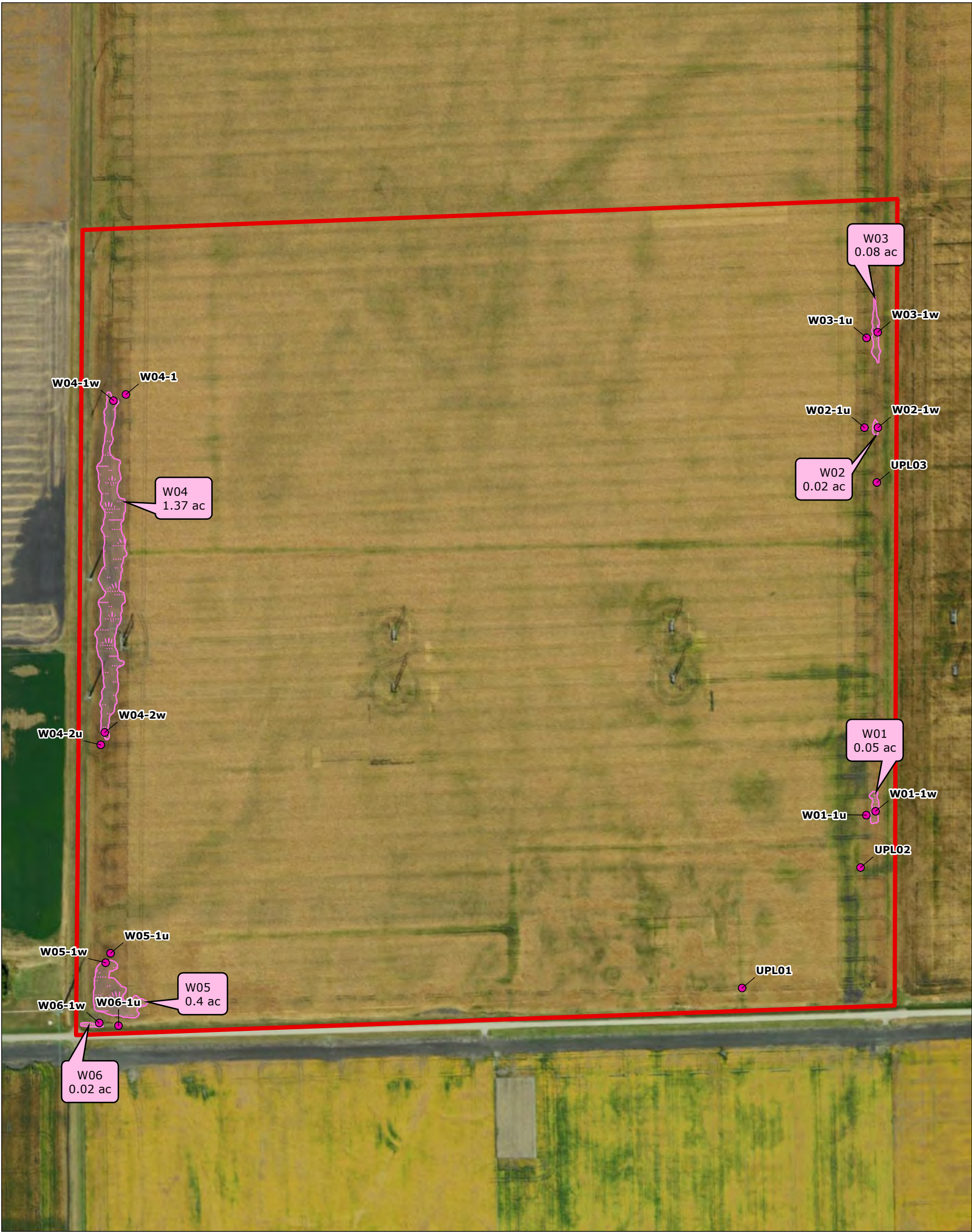


Project Location Prepared by BS on 2026-03-02
T140N, R51W, S14
Harmony, Cass Co., ND

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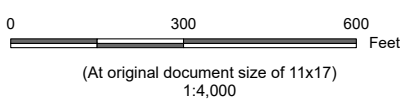
Figure No.
3

Title
National Wetland Inventory



Notes
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: Stantec
3. Background: NAIP 2023
4. Delineators: RScott (Stantec), ENadden (Stantec)
5. Field Dates: 10/10/2025, 11/14/2025
6. Drawn By: BSchafermeyer (Stantec)

- Legend**
- Project Boundary
 - Field Delineated Wetland
 - Field Delineated Waterway
 - Sample Point



Project Location T140N, R51W, S14
Harmony, Cass Co., ND
Client/Project Harmony Storage, LLC
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Figure No.
4
Title
Field Collected Data

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Appendix B – Wetland Determination Data Forms

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W01-1u
 Investigator(s): EN, EVS Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Footslope Local relief (concave, convex, none): Concave Slope %: 1-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.950965 Long: -97.063021 Datum: WGS84
 Soil Map Unit Name: Hegne-Fargo silty clay loams, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point taken in an agricultural field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>55</u> x 4 = <u>220</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>55</u> (A) <u>220</u> (B) Prevalence Index = B/A = <u>4</u>
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Amaranthus retroflexus</u>	<u>55</u>	<u>Yes</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>55</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) 100% healthy corn at 8 feet tall.				

SOIL

Sampling Point: W01-1u

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			
0-11	N 2.5/	100					Clay Loam		
11-24	2.5Y 5/1	100					Clay		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) ☐ Histosol (A1) ☐ Sandy Gleyed Matrix (S4) ☐ Histic Epipedon (A2) ☐ Sandy Redox (S5) ☐ Black Histic (A3) ☐ Stripped Matrix (S6) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) ☐ Stratified Layers (A5) (LRR F) ☐ Loamy Gleyed Matrix (F2) ☐ 1 cm Muck (A9) (LRR F, G, H) ☐ Depleted Matrix (F3) ☒ Depleted Below Dark Surface (A11) ☐ Redox Dark Surface (F6) ☐ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7) ☐ Sandy Mucky Mineral (S1) ☐ Redox Depressions (F8) ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) ☐ High Plains Depressions (F16) ☐ 5 cm Mucky Peat or Peat (S3) (LRR F) (MLRA 72 & 73 of LRR H)					Indicators for Problematic Hydric Soils³: ☐ 1 cm Muck (A9) (LRR I, J) ☐ Coast Prairie Redox (A16) (LRR F, G, H) ☐ Dark Surface (S7) (LRR G) ☐ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ☐ Reduced Vertic (F18) ☐ Red Parent Material (TF2) ☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Restrictive Layer (if present): Type: _____ Depth (inches): _____							Hydric Soil Present? Yes ☒ No ☐		
Remarks:									

HYDROLOGY		
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3) ☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9) ☐ Salt Crust (B11) ☐ Aquatic Invertebrates (B13) ☐ Hydrogen Sulfide Odor (C1) ☐ Dry-Season Water Table (C2) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Presence of Reduced Iron (C4) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks) <u>Secondary Indicators (minimum of two required)</u> ☐ Surface Soil Cracks (B6) ☐ Sparsely Vegetated Concave Surface (B8) ☐ Drainage Patterns (B10) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Crayfish Burrows (C8) ☒ Saturation Visible on Aerial Imagery (C9) ☐ Geomorphic Position (D2) ☐ FAC-Neutral Test (D5) ☐ 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: The sample plot is located within a wetland signature. The presents of non-stressed corn indicates drain tile effectively draining area.		

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W01-1w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.950997 Long: -97.062899 Datum: WGS84
 Soil Map Unit Name: Hegne-Fargo silty clay loams, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point in seasonally flooded basin within a corn field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>15</u> x 4 = <u>60</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>15</u> (A) <u>60</u> (B) Prevalence Index = B/A = <u>4</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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>Amaranthus retroflexus</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>15</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Stunted corn present approximately 2ft less in height compared to corn in upland. Also appears to be lower germination success in wetland as corn is further apart and stalks are missing in the rows.

SOIL

Sampling Point: W01-1w

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			
0-16	N 2.5/	100					Clay Loam		
16-24	2.5YR 5/1	100					Clay	Mixed with 2.5yr 4/1 at 10% and mixed with 2.5yr 6/1 at 10%.	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)					Indicators for Problematic Hydric Soils³:				
☐ Histosol (A1)					☐ Sandy Gleyed Matrix (S4)				
☐ Histic Epipedon (A2)					☐ Sandy Redox (S5)				
☐ Black Histic (A3)					☐ Stripped Matrix (S6)				
☐ Hydrogen Sulfide (A4)					☐ Loamy Mucky Mineral (F1)				
☐ Stratified Layers (A5) (LRR F)					☐ Loamy Gleyed Matrix (F2)				
☐ 1 cm Muck (A9) (LRR F, G, H)					☐ Depleted Matrix (F3)				
☐ Depleted Below Dark Surface (A11)					☐ Redox Dark Surface (F6)				
☒ Thick Dark Surface (A12)					☐ Depleted Dark Surface (F7)				
☐ Sandy Mucky Mineral (S1)					☐ Redox Depressions (F8)				
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)					☐ High Plains Depressions (F16)				
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)					☐ (MLRA 72 & 73 of LRR H)				
					☐ 1 cm Muck (A9) (LRR I, J) ☐ Coast Prairie Redox (A16) (LRR F, G, H) ☐ Dark Surface (S7) (LRR G) ☐ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ☐ Reduced Vertic (F18) ☐ Red Parent Material (TF2) ☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Restrictive Layer (if present):									
Type: _____									
Depth (inches): _____									
							Hydric Soil Present? Yes ☒ No ☐		
Remarks:									
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)				
☐ High Water Table (A2)					☒ Sparsely Vegetated Concave Surface (B8)				
☐ Saturation (A3)					☐ Drainage Patterns (B10)				
☐ Water Marks (B1)					☐ Oxidized Rhizospheres on Living Roots (C3)				
☐ Sediment Deposits (B2)					☐ (where not tilled)				
☐ Drift Deposits (B3)					☐ Crayfish Burrows (C8)				
☐ Algal Mat or Crust (B4)					☒ Saturation Visible on Aerial Imagery (C9)				
☐ Iron Deposits (B5)					☒ Geomorphic Position (D2)				
☐ Inundation Visible on Aerial Imagery (B7)					☐ 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 (includes capillary fringe)		Yes ☐	No ☒	Depth (inches): _____					
							Wetland Hydrology Present? Yes ☒ No ☐		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									
Area appears to be ineffectively drained based on stunted/stressed corn and low germination rates. The sample plot is located within wetland signature.									

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W02-1u
 Investigator(s): EN, EVS Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Footslope Local relief (concave, convex, none): Concave Slope %: 1-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.954433 Long: -97.06292 Datum: WGS84
 Soil Map Unit Name: Hegne-Fargo silty clay loams, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point taken in an agricultural field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>30</u> x 4 = <u>120</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>30</u> (A) <u>120</u> (B) Prevalence Index = B/A = <u>4</u>
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				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)
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Amaranthus retroflexus</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>30</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
 100% healthy corn at 9 feet tall.

SOIL

Sampling Point: W02-1u

Profile Description: 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			
0-18	N	2.5/	100						Clay Loam		
18-24	2.5YR	5/2	98	10YR	4/6	2	C	M	Clay	Very small amounts of redox.	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.											
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)						Indicators for Problematic Hydric Soils³:					
☐ 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 (TF2)					
☒ Thick Dark Surface (A12)			☐ Depleted Dark Surface (F7)			☐ Very Shallow Dark Surface (TF12)					
☐ 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 present): Type: _____ Depth (inches): _____									Hydric Soil Present? Yes ☒ No ☐		
Remarks:											
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 not 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:									Wetland Hydrology Present? Yes ☐ No ☒		
Surface Water Present Yes ☐ No ☒			Depth (inches): _____								
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: The sample plot is located within wetland signature.											

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W02-1w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.95443 Long: -97.062743 Datum: WGS84
 Soil Map Unit Name: Hegne-Fargo silty clay loams, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point in seasonally flooded basin within corn field.		

VEGETATION – Use scientific names of plants.

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

Remarks: (Include photo numbers here or on a separate sheet.)

Stunted corn present approximately 4ft less in height compared to corn in upland. Also appears to be lower germination success in wetland as corn is further apart and stalks are missing in the rows. No other vegetation present.

SOIL

Sampling Point: W02-1w

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			
0-14	N 2.5/	100					Clay Loam	Bottom 4 inches mixing with horizon below	
14-24	2.5Y 5/1	100					Clay Loam		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) ☐ Histosol (A1) ☐ Sandy Gleyed Matrix (S4) ☐ Histic Epipedon (A2) ☐ Sandy Redox (S5) ☐ Black Histic (A3) ☐ Stripped Matrix (S6) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) ☐ Stratified Layers (A5) (LRR F) ☐ Loamy Gleyed Matrix (F2) ☐ 1 cm Muck (A9) (LRR F, G, H) ☐ Depleted Matrix (F3) ☐ Depleted Below Dark Surface (A11) ☐ Redox Dark Surface (F6) ☒ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7) ☐ Sandy Mucky Mineral (S1) ☐ Redox Depressions (F8) ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) ☐ High Plains Depressions (F16) ☐ 5 cm Mucky Peat or Peat (S3) (LRR F) (MLRA 72 & 73 of LRR H)					Indicators for Problematic Hydric Soils³: ☐ 1 cm Muck (A9) (LRR I, J) ☐ Coast Prairie Redox (A16) (LRR F, G, H) ☐ Dark Surface (S7) (LRR G) ☐ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ☐ Reduced Vertic (F18) ☐ Red Parent Material (TF2) ☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Restrictive Layer (if present): Type: _____ Depth (inches): _____							Hydric Soil Present? Yes ☒ No ☐		
Remarks:									

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

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W03-1u
 Investigator(s): EN, EVS Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Linear Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.955235 Long: -97.062863 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point taken in an agricultural field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>8</u> x 4 = <u>32</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>8</u> (A) <u>32</u> (B) Prevalence Index = B/A = <u>4</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Amaranthus retroflexus</u>	<u>8</u>	<u>Yes</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>8</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) 100% healthy corn at 8 feet tall.				

SOIL

Sampling Point: W03-1u

Profile Description: to the depth needed to document indicators or confirm the absence of indicators.)									
Depth (inches)	Matrix			Redox Features					
	Color (moist)		%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	N	2.5/	100					Clay Loam	
6-24	2.5Y	5/1	100					Clay	
					¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.				
					² Location: PL=Pore Lining, M=Matrix.				
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)					Indicators for Problematic Hydric Soils³:				
☐ 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 (TF2)				
☐ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7)					☐ Very Shallow Dark Surface (TF12)				
☐ 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 present): Type: _____ Depth (inches): _____					Hydric Soil Present? Yes ☒ No ☐				
Remarks:									
HYDROLOGY									
Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)									
☐ 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 not 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:					Wetland Hydrology Present? Yes _____ No ☒				
Surface Water Present Yes _____ No ☒ Depth (inches): _____									
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: The area appears to be effectively drained via drain tiles. The sample plot is located within wetland signature.									

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W03-1w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.955283 Long: -97.062716 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point in a seasonally flooded basin within a corn field.		

VEGETATION – Use scientific names of plants.

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

Remarks: (Include photo numbers here or on a separate sheet.)

Stunted corn present approximately 2ft less in height compared to corn in upland. Also appears to be lower germination success in wetland as corn is further apart and stalks are missing in the rows.

SOIL

Sampling Point: W03-1w

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)		%				
0-8		N	2.5/	98	7.5YR	4/6	2	C	M	Clay Loam	
8-16		2.5Y	3/1	100						Clay Loam	Mixed matrix with 2.5Y 4/1 20%
16-24		2.5Y	5/1	100						Clay Loam	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.											
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)						Indicators for Problematic Hydric Soils³:					
☐ 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 (TF2)					
☐ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7)						☐ Very Shallow Dark Surface (TF12)					
☐ 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 present):											
Type: _____											
Depth (inches): _____						Hydric Soil Present? Yes ☒ No ☐					
Remarks:											
HYDROLOGY											
Wetland Hydrology Indicators:											
Primary Indicators (minimum of one is required; check all that apply)											
☐ Surface Water (A1) ☐ Salt Crust (B11)											
☐ High Water Table (A2) ☐ Aquatic Invertebrates (B13)											
☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1)											
☐ Water Marks (B1) ☐ Dry-Season Water Table (C2)											
☐ Sediment Deposits (B2) ☐ Oxidized Rhizospheres on Living Roots (C3)											
☐ Drift Deposits (B3) ☐ (where not tilled)											
☐ Algal Mat or Crust (B4) ☐ Presence of Reduced Iron (C4)											
☐ Iron Deposits (B5) ☐ Thin Muck Surface (C7)											
☐ Inundation Visible on Aerial Imagery (B7) ☐ Other (Explain in Remarks)											
☐ Water-Stained Leaves (B9)											
Secondary Indicators (minimum of two required)											
☐ Surface Soil Cracks (B6)											
☒ Sparsely Vegetated Concave Surface (B8)											
☐ Drainage Patterns (B10)											
☐ Oxidized Rhizospheres on Living Roots (C3)											
☐ (where not tilled)											
☐ Crayfish Burrows (C8)											
☒ Saturation Visible on Aerial Imagery (C9)											
☒ Geomorphic Position (D2)											
☐ FAC-Neutral Test (D5)											
☐ 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:											
Stunted corn present 3-4 feet tall compared to 8-9 feet tall in upland. The sample plot is located within wetland signature.											

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W04-1u
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.954892 Long: -97.072558 Datum: WGS84
 Soil Map Unit Name: Overly-Bearden silt loams, 0 to 2 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point is on edge of depression near seasonally flooded basin in an area that appears to be effectively drained as corn crop is healthy.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>5</u> x 4 = <u>20</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>5</u> (A) <u>20</u> (B) Prevalence Index = B/A = <u>4</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	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>Taraxacum officinale</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>5</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) Healthy corn present 8-9 feet tall.				

SOIL

Sampling Point: W04-1u

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				
0-8	2.5Y 2.5/1	100						Clay Loam		
8-22	2.5Y 4/1	98	10YR 4/6	2	C	M		Clay		
22-24	2.5Y 2.5/1	100						Clay		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.										
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) ___ Histosol (A1) ___ Sandy Gleyed Matrix (S4) ___ Histic Epipedon (A2) ___ Sandy Redox (S5) ___ Black Histic (A3) ___ Stripped Matrix (S6) ___ Hydrogen Sulfide (A4) ___ Loamy Mucky Mineral (F1) ___ Stratified Layers (A5) (LRR F) ___ Loamy Gleyed Matrix (F2) ___ 1 cm Muck (A9) (LRR F, G, H) <u>X</u> Depleted Matrix (F3) <u>X</u> Depleted Below Dark Surface (A11) ___ Redox Dark Surface (F6) ___ Thick Dark Surface (A12) ___ Depleted Dark Surface (F7) ___ Sandy Mucky Mineral (S1) ___ Redox Depressions (F8) ___ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) ___ High Plains Depressions (F16) ___ 5 cm Mucky Peat or Peat (S3) (LRR F) (MLRA 72 & 73 of LRR H)					Indicators for Problematic Hydric Soils³: ___ 1 cm Muck (A9) (LRR I, J) ___ Coast Prairie Redox (A16) (LRR F, G, H) ___ Dark Surface (S7) (LRR G) ___ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ___ Reduced Vertic (F18) ___ Red Parent Material (TF2) ___ Very Shallow Dark Surface (TF12) ___ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.					
Restrictive Layer (if present): Type: _____ Depth (inches): _____						Hydric Soil Present? Yes <u>X</u> No _____				
Remarks:										

HYDROLOGY		
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ Salt Crust (B11) ___ High Water Table (A2) ___ Aquatic Invertebrates (B13) ___ Saturation (A3) ___ Hydrogen Sulfide Odor (C1) ___ Water Marks (B1) ___ Dry-Season Water Table (C2) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Thin Muck Surface (C7) ___ Iron Deposits (B5) ___ Other (Explain in Remarks) ___ Inundation Visible on Aerial Imagery (B7) ___ Water-Stained Leaves (B9)		
<u>Secondary Indicators (minimum of two required)</u> ___ Surface Soil Cracks (B6) ___ Sparsely Vegetated Concave Surface (B8) ___ Drainage Patterns (B10) ___ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ___ Crayfish Burrows (C8) <u>X</u> Saturation Visible on Aerial Imagery (C9) ___ Geomorphic Position (D2) ___ FAC-Neutral Test (D5) ___ 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: The sample plot is located within wetland signature. The area appears to be effectively drained via drain tiles therefore geomorphic position is not met.		

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W04-1w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.954839 Long: -97.072723 Datum: WGS84
 Soil Map Unit Name: Overly-Bearden silt loams, 0 to 2 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point is in a seasonally flooded basin within corn field, slight depression within the tall landform.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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>0</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>NaN</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				Hydrophytic Vegetation Indicators: - 1 - Rapid Test for Hydrophytic Vegetation - 2 - Dominance Test is >50% - 3 - Prevalence Index is ≤3.0 ¹ - 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) - Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Corn shorter than upland. Corn also appears to have less germination success, missing stalks in the rows and open areas of bare soil present. Some stalks also appear slight green vs fully dry corn in uplands.

SOIL

Sampling Point: W04-1w

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	2.5Y	2.5/1	100					Clay Loam	
7-16	2.5Y	4/1	98	10YR	4/6	2	C	M	Mixed matrix with 10% 2.5Y 3/1
16-24	2.5Y	3/1	100					Clay	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) ☐ Histosol (A1) ☐ Sandy Gleyed Matrix (S4) ☐ Histic Epipedon (A2) ☐ Sandy Redox (S5) ☐ Black Histic (A3) ☐ Stripped Matrix (S6) ☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) ☐ Stratified Layers (A5) (LRR F) ☐ Loamy Gleyed Matrix (F2) ☐ 1 cm Muck (A9) (LRR F, G, H) ☒ Depleted Matrix (F3) ☒ Depleted Below Dark Surface (A11) ☐ Redox Dark Surface (F6) ☐ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7) ☐ Sandy Mucky Mineral (S1) ☐ Redox Depressions (F8) ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) ☐ High Plains Depressions (F16) ☐ 5 cm Mucky Peat or Peat (S3) (LRR F) (MLRA 72 & 73 of LRR H)					Indicators for Problematic Hydric Soils³: ☐ 1 cm Muck (A9) (LRR I, J) ☐ Coast Prairie Redox (A16) (LRR F, G, H) ☐ Dark Surface (S7) (LRR G) ☐ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ☐ Reduced Vertic (F18) ☐ Red Parent Material (TF2) ☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Restrictive Layer (if present): Type: _____ Depth (inches): _____								Hydric Soil Present? Yes ☒ No ☐	
Remarks:									

HYDROLOGY	
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3) ☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9) ☐ Salt Crust (B11) ☐ Aquatic Invertebrates (B13) ☐ Hydrogen Sulfide Odor (C1) ☐ Dry-Season Water Table (C2) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Presence of Reduced Iron (C4) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks)	
<u>Secondary Indicators (minimum of two required)</u> ☐ Surface Soil Cracks (B6) ☒ Sparsely Vegetated Concave Surface (B8) ☐ Drainage Patterns (B10) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Crayfish Burrows (C8) ☒ Saturation Visible on Aerial Imagery (C9) ☒ Geomorphic Position (D2) ☐ FAC-Neutral Test (D5) ☐ Frost-Heave Hummocks (D7) (LRR F)	
Field Observations: Surface Water Present Yes ☐ No ☒ Water Table Present Yes ☐ No ☒ Saturation Present Yes ☐ No ☒ (includes capillary fringe) Depth (inches): _____ Depth (inches): _____ Depth (inches): _____	
Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
Corn appears to be stunted 5-6ft tall compared to 8-9ft tall in upland. The sample plot is located within wetland signature. Area appears to be ineffectively drained based on stunted/stressed corn and low germination rates.	

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W04-2u
 Investigator(s): EN, EVS Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Linear Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.951763 Long: -97.072999 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u> </u> No <u>X</u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point taken in an agricultural field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>37</u> x 4 = <u>148</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>37</u> (A) <u>148</u> (B) Prevalence Index = B/A = <u>4</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Amaranthus retroflexus</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>	
2. <u>Chenopodium album</u>	<u>15</u>	<u>Yes</u>	<u>FACU</u>	
3. <u>Ambrosia artemisiifolia</u>	<u>5</u>	<u>No</u>	<u>FACU</u>	
4. <u>Taraxacum officinale</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>37</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) 100% healthy corn at 6 feet tall.				

SOIL

Sampling Point: W04-2u

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
0-17	2.5Y	2.5/1	100					Clay Loam	
17-24	2.5Y	4/1	100					Clay	Mixed with 10% of top layer
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.						² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)								Indicators for Problematic Hydric Soils³:	
☐ 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 (TF2) _____					
☐ Thick Dark Surface (A12) _____ Depleted Dark Surface (F7) _____				☐ Very Shallow Dark Surface (TF12) _____					
☐ 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 present): Type: _____ Depth (inches): _____							Hydric Soil Present? Yes ____ No <u>X</u>		
Remarks: 									
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) (where not tilled)					
☐ Sediment Deposits (B2) _____		☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled)		☐ Crayfish Burrows (C8) _____					
☐ Drift Deposits (B3) _____		☐ Presence of Reduced Iron (C4) _____		☐ Saturation Visible on Aerial Imagery (C9) _____					
☐ Algal Mat or Crust (B4) _____		☐ Thin Muck Surface (C7) _____		☐ Geomorphic Position (D2) _____					
☐ Iron Deposits (B5) _____		☐ Other (Explain in Remarks) _____		☐ FAC-Neutral Test (D5) _____					
☐ Inundation Visible on Aerial Imagery (B7) _____				☐ Frost-Heave Hummocks (D7) (LRR F) _____					
☐ Water-Stained Leaves (B9) _____									
Field Observations:									
Surface Water Present	Yes ____	No <u>X</u>	Depth (inches): _____	Wetland Hydrology Present? Yes ____ No <u>X</u>					
Water Table Present	Yes ____	No <u>X</u>	Depth (inches): _____						
Saturation Present (includes capillary fringe)	Yes ____	No <u>X</u>	Depth (inches): _____						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: 									
Remarks: The sample plot is located within Wetland Signature. However hydric soil or indicators of hydrology are not present so the C9 indicator does not apply. The area appears to be effectively drained via drain tiles.									

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W04-2w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.951872 Long: -97.072944 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point in seasonally flooded basin within corn field. Slight depression within Ralf landform.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>4</u> x 4 = <u>16</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>4</u> (A) <u>16</u> (B) Prevalence Index = B/A = <u>4</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Taraxacum officinale</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
2. <u>Polygonum aviculare</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>4</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Stunted corn 5-6ft tall compared to 8-9ft in upland. Low germination success plants missing and bare soil areas. Occasional green in stalks within wetland compacted to fully dry brown corn in upland.

SOIL

Sampling Point: W04-2w

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		
0-44		2.5Y	2.5/1	100								Clay	
44-46		2.5Y	3/1	98		10YR	4/6	2		C	M	Clay	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.													
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)						Indicators for Problematic Hydric Soils³:							
☐ 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 (TF2)							
☒ Thick Dark Surface (A12) ☐ Depleted Dark Surface (F7)						☐ Very Shallow Dark Surface (TF12)							
☐ 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 present): Type: _____ Depth (inches): _____						Hydric Soil Present? Yes ☒ No ☐							
Remarks: Assumed would meet a12 if dug deeper, soil auger maxed out.													
HYDROLOGY													
Wetland Hydrology Indicators:						Secondary Indicators (minimum of two required)							
<u>Primary Indicators (minimum of one is required; check all that apply)</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 not 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:						Wetland Hydrology Present? Yes ☒ No ☐							
Surface Water Present Yes ☐ No ☒ Depth (inches): _____													
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: Area appears to be ineffectively drained based on stunted/stressed corn and low germination rates. The sample plot is located within wetland signature.													

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W05-1u
 Investigator(s): EN, EVS Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Linear Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.949896 Long: -97.072938 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: NA
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point taken in an agricultural field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>15</u> x 4 = <u>60</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>15</u> (A) <u>60</u> (B) Prevalence Index = B/A = <u>4</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Chenopodium album</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>	
2. <u>Taraxacum officinale</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>15</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
 100% healthy corn at 6 feet tall.

SOIL

Sampling Point: W05-1u

Profile Description: (Describe to the depth needed to document or confirm the absence of indicators.)												
Depth (inches)	Matrix			Redox Features					Texture	Remarks		
	Color (moist)		%	Color (moist)		%	Type ¹	Loc ²				
0-3	2.5Y	2.5/1	98	10YR	4/6	2	C		Clay Loam			
3-10	2.5Y	4/1	100						Clay	Mixed with 40% 2.5yr 5/1		
10-24	2.5Y	5/1	100						Clay			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.												
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)								Indicators for Problematic Hydric Soils³:				
☐ 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 (TF2)				
☐ Thick Dark Surface (A12)				☐ Depleted Dark Surface (F7)				☐ Very Shallow Dark Surface (TF12)				
☐ 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 present): Type: _____ Depth (inches): _____									Hydric Soil Present? Yes ☒ No ☐			
Remarks:												
HYDROLOGY												
Wetland Hydrology Indicators:												
<u>Primary Indicators (minimum of one is required; check all that apply)</u>												
☐ Surface Water (A1)				☐ Salt Crust (B11)				<u>Secondary Indicators (minimum of two required)</u>				
☐ High Water Table (A2)				☐ Aquatic Invertebrates (B13)				☐ Surface Soil Cracks (B6)				
☐ Saturation (A3)				☐ Hydrogen Sulfide Odor (C1)				☐ Sparsely Vegetated Concave Surface (B8)				
☐ Water Marks (B1)				☐ Dry-Season Water Table (C2)				☐ Drainage Patterns (B10)				
☐ Sediment Deposits (B2)				☐ Oxidized Rhizospheres on Living Roots (C3)				☐ Oxidized Rhizospheres on Living Roots (C3)				
☐ Drift Deposits (B3)				☐ (where not tilled)				☐ (where not tilled)				
☐ Algal Mat or Crust (B4)				☐ Presence of Reduced Iron (C4)				☒ Crayfish Burrows (C8)				
☐ Iron Deposits (B5)				☐ Thin Muck Surface (C7)				☐ Saturation Visible on Aerial Imagery (C9)				
☐ Inundation Visible on Aerial Imagery (B7)				☐ Other (Explain in Remarks)				☐ Geomorphic Position (D2)				
☐ Water-Stained Leaves (B9)								☐ FAC-Neutral Test (D5)				
								☐ 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:												
The sample plot is located within wetland signature.												

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W05-1w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Talf Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.949812 Long: -97.073006 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No X
 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point in seasonally flooded basin within corn field slight depression within tall landform.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>4</u> x 3 = <u>12</u> FACU species <u>6</u> x 4 = <u>24</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>10</u> (A) <u>36</u> (B) Prevalence Index = B/A = <u>3.6</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Panicum dichotomiflorum</u>	<u>4</u>	<u>No</u>	<u>FAC</u>	
2. <u>Amaranthus retroflexus</u>	<u>4</u>	<u>No</u>	<u>FACU</u>	
3. <u>Taraxacum officinale</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Stunted corn 4-5ft tall compared to 8-9 in upland. Low germination success stalks missing and large gaps with bare soil in wetland. Occasional slight green stalks in wetland compared to dry brown stalks in upland.

SOIL

Sampling Point: W05-1w

[illegible]

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W06-1u
 Investigator(s): EN, EVS Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 2-4
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.949246 Long: -97.072858 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point taken in a roadside ditch.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>20</u> x 2 = <u>40</u> FAC species <u>5</u> x 3 = <u>15</u> FACU species <u>10</u> x 4 = <u>40</u> UPL species <u>65</u> x 5 = <u>325</u> Column Totals: <u>100</u> (A) <u>420</u> (B) Prevalence Index = B/A = <u>4.2</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Bromus inermis</u>	<u>65</u>	<u>Yes</u>	<u>UPL</u>	
2. <u>Phalaris arundinacea</u>	<u>20</u>	<u>Yes</u>	<u>FACW</u>	
3. <u>Poa pratensis</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	
4. <u>Rumex crispus</u>	<u>5</u>	<u>No</u>	<u>FAC</u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: W06-1u

Profile Description: (Describe to the depth needed to document the absence or confirm the presence of indicators.)												
Depth (inches)	Matrix			Redox Features							Texture	Remarks
	Color (moist)		%	Color (moist)		%	Type ¹	Loc ²				
0-16	10YR	2/1	100							Clay Loam		
16-24	10YR	5/2	98	7.5YR	4/6	2	C	M		Clay		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.										² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)										Indicators for Problematic Hydric Soils³:		
☐ 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 (TF2)						
☒ Thick Dark Surface (A12)			☐ Depleted Dark Surface (F7)			☐ Very Shallow Dark Surface (TF12)						
☐ 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 present):												
Type: _____												
Depth (inches): _____										Hydric Soil Present? Yes ☒ No ☐		
Remarks: 												
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) (where not tilled)						
☐ Sediment Deposits (B2)			☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled)			☐ Crayfish Burrows (C8)						
☐ Drift Deposits (B3)			☐ Presence of Reduced Iron (C4)			☐ Saturation Visible on Aerial Imagery (C9)						
☐ Algal Mat or Crust (B4)			☐ Thin Muck Surface (C7)			☒ Geomorphic Position (D2)						
☐ Iron Deposits (B5)			☐ Other (Explain in Remarks)			☐ FAC-Neutral Test (D5)						
☐ Inundation Visible on Aerial Imagery (B7)						☐ Frost-Heave Hummocks (D7) (LRR F)						
☐ Water-Stained Leaves (B9)												
Field Observations:												
Surface Water Present		Yes ☐	No ☒	Depth (inches): _____		Wetland Hydrology Present? Yes ☐ No ☒						
Water Table Present		Yes ☐	No ☒	Depth (inches): _____								
Saturation Present (includes capillary fringe)		Yes ☐	No ☒	Depth (inches): _____								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Remarks: The sample plot is located within wetland signature. However, sample point is not within a managed plant community so C9 indicator does not apply.												

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: W06-1w
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.949275 Long: -97.073109 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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>	Is the Sampled Area within a Wetland? 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>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point in wet meadow roadside ditch.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>80</u> x 2 = <u>160</u> FAC species <u>10</u> x 3 = <u>30</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>15</u> x 5 = <u>75</u> Column Totals: <u>105</u> (A) <u>265</u> (B) Prevalence Index = B/A = <u>2.52</u>
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				Hydrophytic Vegetation Indicators: <u>X</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.
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Phalaris arundinacea</u>	<u>80</u>	<u>Yes</u>	<u>FACW</u>	
2. <u>Bromus inermis</u>	<u>15</u>	<u>No</u>	<u>UPL</u>	
3. <u>Rumex crispus</u>	<u>10</u>	<u>No</u>	<u>FAC</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>105</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: W06-1w

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			
0-10	2.5Y	2.5/1	98	10YR	4/6	2	C	M	Clay Loam		
10-24	2.5Y	3/1	100						Clay		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.											
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)											
☐ Histosol (A1) ☐ Histic Epipedon (A2) ☐ Black Histic (A3) ☐ Hydrogen Sulfide (A4) ☐ Stratified Layers (A5) (LRR F) ☐ 1 cm Muck (A9) (LRR F, G, H) ☐ Depleted Below Dark Surface (A11) ☐ Thick Dark Surface (A12) ☐ Sandy Mucky Mineral (S1) ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) ☐ 5 cm Mucky Peat or Peat (S3) (LRR F) ☐ Sandy Gleyed Matrix (S4) ☐ Sandy Redox (S5) ☐ Stripped Matrix (S6) ☐ Loamy Mucky Mineral (F1) ☐ Loamy Gleyed Matrix (F2) ☐ Depleted Matrix (F3) ☒ Redox Dark Surface (F6) ☐ Depleted Dark Surface (F7) ☐ Redox Depressions (F8) ☐ High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)											
Indicators for Problematic Hydric Soils³:											
☐ 1 cm Muck (A9) (LRR I, J) ☐ Coast Prairie Redox (A16) (LRR F, G, H) ☐ Dark Surface (S7) (LRR G) ☐ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ☐ Reduced Vertic (F18) ☐ Red Parent Material (TF2) ☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.											
Restrictive Layer (if present): Type: _____ Depth (inches): _____									Hydric Soil Present? Yes ☒ No ☐		
Remarks: _____											
HYDROLOGY											
Wetland Hydrology Indicators:											
Primary Indicators (minimum of one is required; check all that apply) ☐ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3) ☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9) ☐ Salt Crust (B11) ☐ Aquatic Invertebrates (B13) ☐ Hydrogen Sulfide Odor (C1) ☐ Dry-Season Water Table (C2) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Presence of Reduced Iron (C4) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks) Secondary Indicators (minimum of two required) ☐ Surface Soil Cracks (B6) ☐ Sparsely Vegetated Concave Surface (B8) ☐ Drainage Patterns (B10) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Crayfish Burrows (C8) ☐ Saturation Visible on Aerial Imagery (C9) ☒ Geomorphic Position (D2) ☒ FAC-Neutral Test (D5) ☐ 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: _____											

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: UPL01
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.949446 Long: -97.0647 Datum: WGS84
 Soil Map Unit Name: Fargo silty clay, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. The sample point is in an aerial wetness signature within a corn field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>48</u> x 4 = <u>192</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>53</u> (A) <u>207</u> (B) Prevalence Index = B/A = <u>3.91</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Amaranthus retroflexus</u>	<u>40</u>	<u>Yes</u>	<u>FACU</u>	
2. <u>Chenopodium album</u>	<u>8</u>	<u>No</u>	<u>FACU</u>	
3. <u>Amaranthus tuberculatus</u>	<u>5</u>	<u>No</u>	<u>FAC</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>53</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
 Healthy corn at approximately 8-9 feet tall.

SOIL

Sampling Point: UPL01

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	N 2.5/	100						Clay Loam	
6-24	2.5Y 5/1	98	7.5YR 5/6	2	C	M		Clay	Mixed with 10% 10yr 4/1 in the matrix.
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.									
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)					Indicators for Problematic Hydric Soils³:				
☐ Histosol (A1)					☐ Sandy Gleyed Matrix (S4)				
☐ Histic Epipedon (A2)					☐ Sandy Redox (S5)				
☐ Black Histic (A3)					☐ Stripped Matrix (S6)				
☐ Hydrogen Sulfide (A4)					☐ Loamy Mucky Mineral (F1)				
☐ Stratified Layers (A5) (LRR F)					☐ Loamy Gleyed Matrix (F2)				
☐ 1 cm Muck (A9) (LRR F, G, H)					☒ Depleted Matrix (F3)				
☒ Depleted Below Dark Surface (A11)					☐ Redox Dark Surface (F6)				
☐ Thick Dark Surface (A12)					☐ Depleted Dark Surface (F7)				
☐ Sandy Mucky Mineral (S1)					☐ Redox Depressions (F8)				
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)					☐ High Plains Depressions (F16)				
☐ 5 cm Mucky Peat or Peat (S3) (LRR F)					☐ (MLRA 72 & 73 of LRR H)				
Restrictive Layer (if present): Type: _____ Depth (inches): _____					Hydric Soil Present? Yes ☒ No ☐				
Remarks:									
HYDROLOGY									
Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)				
<u>Primary Indicators (minimum of one is required; check all that apply)</u>					<u>Secondary Indicators (minimum of two required)</u>				
☐ Surface Water (A1)					☐ Surface Soil Cracks (B6)				
☐ High Water Table (A2)					☐ Sparsely Vegetated Concave Surface (B8)				
☐ Saturation (A3)					☐ Drainage Patterns (B10)				
☐ Water Marks (B1)					☐ Oxidized Rhizospheres on Living Roots (C3)				
☐ Sediment Deposits (B2)					☐ (where not tilled)				
☐ Drift Deposits (B3)					☐ Crayfish Burrows (C8)				
☐ Algal Mat or Crust (B4)					☒ Saturation Visible on Aerial Imagery (C9)				
☐ Iron Deposits (B5)					☐ Geomorphic Position (D2)				
☐ Inundation Visible on Aerial Imagery (B7)					☐ 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:									
The area appears to be effectively drained via drain tiles. Therefore, the D2 indicator does not apply. The sample plot is located within wetland signature.									

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: UPL02
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Shoulder Local relief (concave, convex, none): Convex Slope %: 2-4
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.950498 Long: -97.063113 Datum: WGS84
 Soil Map Unit Name: Hegne-Fargo silty clay loams, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. The sample point is located in a corn field within an aerial wetness signature.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>60</u> x 4 = <u>240</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>60</u> (A) <u>240</u> (B) Prevalence Index = B/A = <u>4</u>
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				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.
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Amaranthus retroflexus</u>	<u>60</u>	<u>Yes</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>60</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
 Healthy corn at 8-9 feet tall.

SOIL

Sampling Point: UPL02

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				
0-14	N	2.5/	100						Clay Loam			
14-24	10YR	5/2	98	10YR	4/6	2	C	M	Clay			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.												
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)												
☐ Histosol (A1) ☐ Histic Epipedon (A2) ☐ Black Histic (A3) ☐ Hydrogen Sulfide (A4) ☐ Stratified Layers (A5) (LRR F) ☐ 1 cm Muck (A9) (LRR F, G, H) ☐ Depleted Below Dark Surface (A11) ☒ Thick Dark Surface (A12) ☐ Sandy Mucky Mineral (S1) ☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G, H) ☐ 5 cm Mucky Peat or Peat (S3) (LRR F) ☐ Sandy Gleyed Matrix (S4) ☐ Sandy Redox (S5) ☐ Stripped Matrix (S6) ☐ Loamy Mucky Mineral (F1) ☐ Loamy Gleyed Matrix (F2) ☐ Depleted Matrix (F3) ☐ Redox Dark Surface (F6) ☐ Depleted Dark Surface (F7) ☐ Redox Depressions (F8) ☐ High Plains Depressions (F16) (MLRA 72 & 73 of LRR H)												
Indicators for Problematic Hydric Soils³:												
☐ 1 cm Muck (A9) (LRR I, J) ☐ Coast Prairie Redox (A16) (LRR F, G, H) ☐ Dark Surface (S7) (LRR G) ☐ High Plains Depressions (F16) (LRR H outside of MLRA 72 & 73) ☐ Reduced Vertic (F18) ☐ Red Parent Material (TF2) ☐ Very Shallow Dark Surface (TF12) ☐ Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.												
Restrictive Layer (if present):												
Type: _____ Depth (inches): _____												
Hydric Soil Present? Yes ☒ No ☐												
Remarks:												
HYDROLOGY												
Wetland Hydrology Indicators:												
<u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3) ☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9) ☐ Salt Crust (B11) ☐ Aquatic Invertebrates (B13) ☐ Hydrogen Sulfide Odor (C1) ☐ Dry-Season Water Table (C2) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Presence of Reduced Iron (C4) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks) <u>Secondary Indicators (minimum of two required)</u> ☐ Surface Soil Cracks (B6) ☐ Sparsely Vegetated Concave Surface (B8) ☐ Drainage Patterns (B10) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Crayfish Burrows (C8) ☒ Saturation Visible on Aerial Imagery (C9) ☐ Geomorphic Position (D2) ☐ FAC-Neutral Test (D5) ☐ 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:												
The area appears to be effectively drained via drain tiles. Therefore, the D2 indicator does not apply. The sample plot is located within wetland signature.												

WETLAND DETERMINATION DATA FORM – Great Plains Region

Project/Site: Harmony BESS City/County: Cass County Sampling Date: 10/10/2025
 Applicant/Owner: Geronimo Power State: ND Sampling Point: UPL03
 Investigator(s): EN, ES Section, Township, Range: S12, T140N, R051W
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 0-2
 Subregion (LRR or MLRA): LRR F, MLRA 56 Lat: 46.953939 Long: -97.062776 Datum: WGS84
 Soil Map Unit Name: Hegne-Fargo silty clay loams, 0 to 1 percent slopes NWI classification: Na
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)
 Are Vegetation X, 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> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u> </u> No <u>X</u>	
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.) An APT analysis indicated that the climatic conditions were drier than normal. Sample point is in a corn field.		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</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</u> (A/B)
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: <u> </u> 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>4</u> x 4 = <u>16</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>4</u> (A) <u>16</u> (B) Prevalence Index = B/A = <u>4</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				
Herb Stratum (Plot size: <u>5 ft</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>Taraxacum officinale</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
2. <u>Amaranthus retroflexus</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>4</u> = Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
1. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>0</u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Corn appears to be stressed at approximately 3-4ft tall compared to 8-9ft tall in upland however corn germination rate appears to be near 100% and hydric soils are not present.

SOIL

Sampling Point: UPL03

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
0-12	N	2.5/	100					Clay Loam		
12-26	N	2.5/	100					Clay Loam	Mixed with 10yr 3/1 at 15% in the matrix.	
26-32	2.5YR	5/2	100					Silty Clay Loam		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.										
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)								Indicators for Problematic Hydric Soils³:		
☐ 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 (TF2)		
☐ Thick Dark Surface (A12)				☐ Depleted Dark Surface (F7)				☐ Very Shallow Dark Surface (TF12)		
☐ 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 present): Type: _____ Depth (inches): _____								Hydric Soil Present? Yes _____ No ☒		
Remarks:										
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 not 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:								Wetland Hydrology Present? Yes _____ No ☒		
Surface Water Present Yes _____ No ☒				Depth (inches): _____						
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:										
The area appears to be effectively drained via drain tiles. Therefore, the D2 indicator does not apply. The sample plot is located within wetland signature.										

WETLAND DELINEATION REPORT

Harmony Storage Project
March 13, 2026

Appendix C – Site Photographs

	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Culvert in ditch Latitude: 46.9492485 Longitude: -97.0656574
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Ditch Latitude: 46.9492485 Longitude: -97.0656574
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Vegetation in ditch, culvert location Latitude: 46.9492471 Longitude: -97.0654621

 2025-10-10 11:09	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Ditch Latitude: 46.9492471 Longitude: -97.0654621
 2025-10-10 11:15	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Standing corn Latitude: 46.9492403 Longitude: -97.0646988
 2025-10-10 11:14	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9492403 Longitude: -97.0646988

	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Ditch Latitude: 46.9492403 Longitude: -97.0646988
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9495901 Longitude: -97.0647181
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9495901 Longitude: -97.0647181

 2025-10-10 11:29	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9496043 Longitude: -97.0632918
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 2025-10-10 11:29	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9496043 Longitude: -97.0632918
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 2025-10-10 11:36	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9504776 Longitude: -97.0631329
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 2025-10-10 11:36	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9504776 Longitude: -97.0631329
 2025-10-10 12:00	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of vegetation within W01 Latitude: 46.9509703 Longitude: -97.0629066
 2025-10-10 12:01	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: View of vegetation within W01 Latitude: 46.9509703 Longitude: -97.0629066

	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: View of vegetation within W01 Latitude: 46.9509703 Longitude: -97.0629066
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: View of W01-1u Latitude: 46.9509694 Longitude: -97.0630122
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of W01-1w Latitude: 46.9509889 Longitude: -97.0629044

 2025-10-10 12:14	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9509734 Longitude: -97.0630602
 2025-10-10 12:15	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9509734 Longitude: -97.0630602
 2025-10-10 12:19	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9536114 Longitude: -97.0627891

	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Slightly stressed corn Latitude: 46.9539244 Longitude: -97.0628049
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Slightly stressed corn Latitude: 46.9539244 Longitude: -97.0628049
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Stressed corn within W02 Latitude: 46.9543698 Longitude: -97.0627886



Date Taken: 10/10/2025

Direction Photo is Taken: S

Photo Description: View of W02-1u

Latitude: 46.9544302

Longitude: -97.0629165



Date Taken: 10/10/2025

Direction Photo is Taken: N

Photo Description: View of W02-1w

Latitude: 46.9544084

Longitude: -97.0627448



Date Taken: 10/10/2025

Direction Photo is Taken: N

Photo Description: Stressed corn within W03

Latitude: 46.9552670

Longitude: -97.0627480

	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Stressed corn within W03 Latitude: 46.9552670 Longitude: -97.0627480
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: View of W03-1u Latitude: 46.9552394 Longitude: -97.0628610
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of W03-1w Latitude: 46.9552714 Longitude: -97.0627147

 2025-10-10 13:11	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9561424 Longitude: -97.0629484
 2025-10-10 13:11	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9561424 Longitude: -97.0629484
 2025-10-10 13:12	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Standing corn Latitude: 46.9561424 Longitude: -97.0629484

 2025-10-10 13:15	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9552082 Longitude: -97.0632457
 2025-10-10 13:16	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9552082 Longitude: -97.0632457
 2025-10-10 13:18	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9551888 Longitude: -97.0653065

	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Standing corn Latitude: 46.9551888 Longitude: -97.0653065
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9551888 Longitude: -97.0653065
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Standing corn Latitude: 46.9551888 Longitude: -97.0653065

 2025-10-10 13:21	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9534071 Longitude: -97.0647592
 2025-10-10 13:22	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Standing corn Latitude: 46.9534071 Longitude: -97.0647592
 2025-10-10 13:22	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9534071 Longitude: -97.0647592

 2025-10-10 13:22	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Standing corn Latitude: 46.9534071 Longitude: -97.0647592
 2025-10-10 13:25	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9551329 Longitude: -97.0708134
 2025-10-10 13:25	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Standing corn Latitude: 46.9551329 Longitude: -97.0708134



Date Taken: 10/10/2025

Direction Photo is Taken: S

Photo Description: Standing corn

Latitude: 46.9551329

Longitude: -97.0708134



Date Taken: 10/10/2025

Direction Photo is Taken: W

Photo Description: Standing corn

Latitude: 46.9551329

Longitude: -97.0708134



Date Taken: 10/10/2025

Direction Photo is Taken: N

Photo Description: Standing corn

Latitude: 46.9551120

Longitude: -97.0726437

 2025-10-10 13:27	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9551120 Longitude: -97.0726437
 2025-10-10 13:30	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9561485 Longitude: -97.0726762
 2025-10-10 13:30	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9561485 Longitude: -97.0726762

 2025-10-10 13:32	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9556077 Longitude: -97.0727066
 2025-10-10 13:32	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9556077 Longitude: -97.0727066
 2025-10-10 14:01	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Stressed corn within W04 Latitude: 46.9538985 Longitude: -97.0726831

	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Stressed corn within W04 Latitude: 46.9538985 Longitude: -97.0726831
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Stressed corn within W04 Latitude: 46.9535018 Longitude: -97.0727503
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Stressed corn within W04 Latitude: 46.9523629 Longitude: -97.0728373

	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of W04-1u Latitude: 46.9548952 Longitude: -97.0725629
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: View of W04-1w Latitude: 46.9548213 Longitude: -97.0727235
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: View of W04-2u Latitude: 46.9517667 Longitude: -97.0729915

	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of W04-2w Latitude: 46.9518836 Longitude: -97.0729570
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	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9509634 Longitude: -97.0729760
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	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9509634 Longitude: -97.0729760
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 2025-10-10 14:47	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9505485 Longitude: -97.0729921
 2025-10-10 14:48	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Standing corn Latitude: 46.9505485 Longitude: -97.0729921
 2025-10-10 14:56	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Stressed corn within W05 Latitude: 46.9497005 Longitude: -97.0730237

	Date Taken: 10/10/2025 Direction Photo is Taken: SE Photo Description: Stressed corn within W05 Latitude: 46.9497005 Longitude: -97.0730237
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Stressed corn within W05 Latitude: 46.9497005 Longitude: -97.0730237
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of W05-1u Latitude: 46.9498960 Longitude: -97.0729387

	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: View of W05-1w Latitude: 46.9498136 Longitude: -97.0730231
	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: Stressed corn within W05 Latitude: 46.9494870 Longitude: -97.0730678
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Stressed corn within W05 Latitude: 46.9494870 Longitude: -97.0730678

 2025-10-10 15:08	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Stressed corn within W05 Latitude: 46.9494870 Longitude: -97.0730678
 2025-10-10 15:11	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Vegetation in ditch Latitude: 46.9492656 Longitude: -97.0733240
 2025-10-10 15:10	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Culvert Latitude: 46.9492656 Longitude: -97.0733240

	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: View of W06-1u Latitude: 46.9492498 Longitude: -97.0728561
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: View of W06-1w Latitude: 46.9492758 Longitude: -97.0731010
	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Vegetation in ditch, culvert location Latitude: 46.9492525 Longitude: -97.0679215

 2025-10-10 15:32	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Vegetation in ditch, culvert location Latitude: 46.9492525 Longitude: -97.0679215
 2025-10-10 11:17	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: View of UPL01 Latitude: 46.9494513 Longitude: -97.0647168
 2025-10-10 11:36	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: View of UPL02 Latitude: 46.9504928 Longitude: -97.0631207

	Date Taken: 10/10/2025 Direction Photo is Taken: S Photo Description: View of UPL03 Latitude: 46.9539531 Longitude: -97.0627805
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Standing corn Latitude: 46.9533035 Longitude: -97.0654634
	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Standing corn Latitude: 46.9551577 Longitude: -97.0683258

 2025-10-10 13:21	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Standing corn Latitude: 46.9551577 Longitude: -97.0683258
 2025-10-10 13:24	Date Taken: 10/10/2025 Direction Photo is Taken: SE Photo Description: Transmission line structures in corn field Latitude: 46.9527820 Longitude: -97.0655027
 2025-10-10 13:27	Date Taken: 10/10/2025 Direction Photo is Taken: NW Photo Description: Standing corn Latitude: 46.9526396 Longitude: -97.0672382

 2025-10-10 13:27	Date Taken: 10/10/2025 Direction Photo is Taken: SE Photo Description: Standing corn Latitude: 46.9526396 Longitude: -97.0672382
 2025-10-10 13:30	Date Taken: 10/10/2025 Direction Photo is Taken: NE Photo Description: Transmission line structures in corn field, Canada thistle and redroot pigweed vegetation shown Latitude: 46.9526572 Longitude: -97.0691377
 2025-10-10 15:25	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Roadside ditch with reed canary grass and curly dock within W06 Latitude: 46.9492834 Longitude: -97.0730811



Date Taken: 10/10/2025

Direction Photo is Taken: N

Photo Description: Buried cable boxes

Latitude: 46.9492675

Longitude: -97.0679415



Date Taken: 10/10/2025

Direction Photo is Taken: N

Photo Description: Overview

Latitude: 46.9525660

Longitude: -97.0732242



Date Taken: 10/10/2025

Direction Photo is Taken: S

Photo Description: Overview

Latitude: 46.9525660

Longitude: -97.0732242

	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Road access for farm equipment Latitude: 46.9491910 Longitude: -97.0659677
	Date Taken: 10/10/2025 Direction Photo is Taken: E Photo Description: Ditch Latitude: 46.9492542 Longitude: -97.0677565
	Date Taken: 10/10/2025 Direction Photo is Taken: W Photo Description: Ditch Latitude: 46.9492542 Longitude: -97.0677565

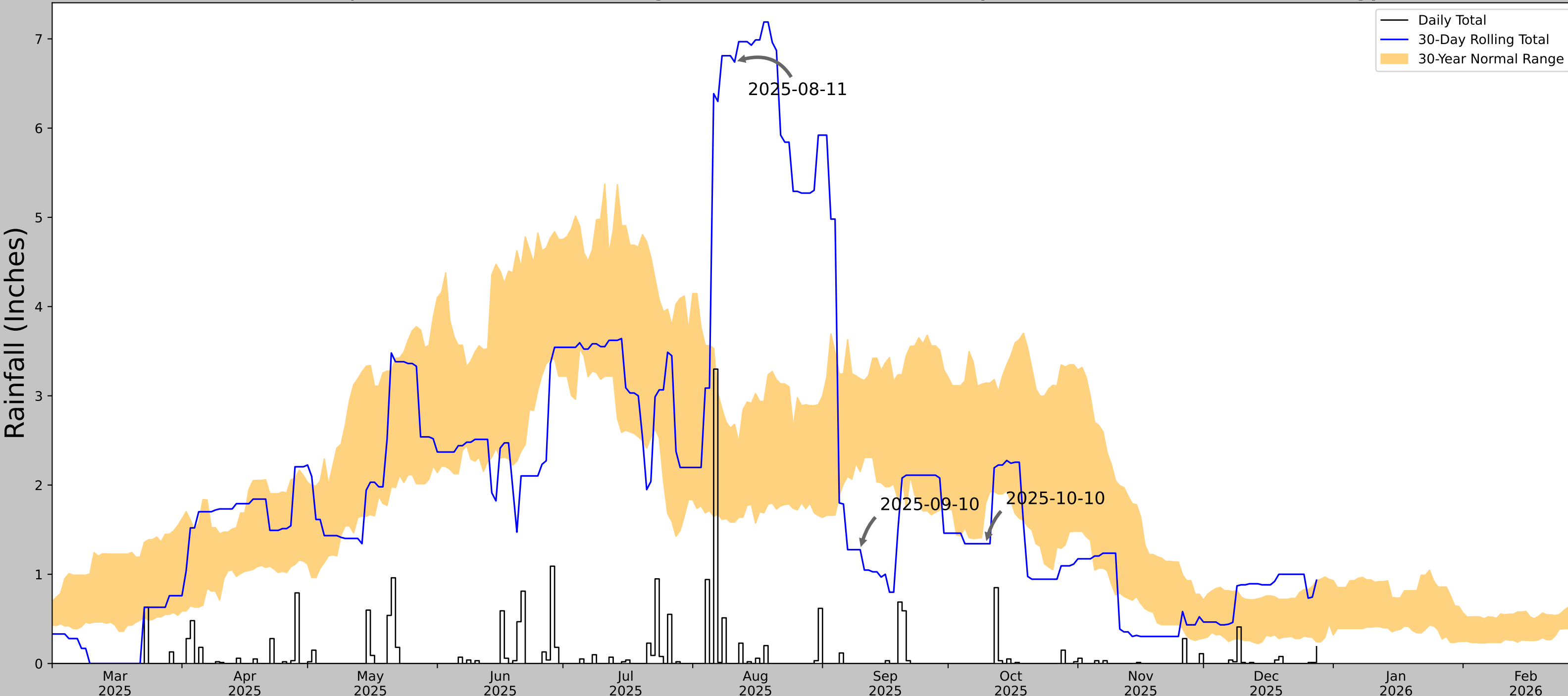
	Date Taken: 10/10/2025 Direction Photo is Taken: N Photo Description: Road access for farm equipment Latitude: 46.9491984 Longitude: -97.0678538
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WETLAND DELINEATION REPORT

Harmony Storage Project
March 13, 2026

Appendix D – Antecedent Precipitation Analysis

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



Coordinates	46.95309, -97.06792
Observation Date	2025-10-10
Elevation (ft)	907.812
Drought Index (PDSI)	Moderate wetness
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
2025-10-10	1.801181	3.143307	1.34252	Dry	1	3	3
2025-09-10	2.150394	3.191339	1.275591	Dry	1	2	2
2025-08-11	1.583858	2.680709	6.740158	Wet	3	1	3
Result							Drier than Normal - 8



**US Army Corps
of Engineers**



ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

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

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSELTON AGRONOMY FARM	46.8769, -97.2328	935.039	9.395	27.227	4.484	10580	90
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	193	0
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	550	0
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	30	0

WETLAND DELINEATION REPORT

Harmony Storage Project
March 13, 2026

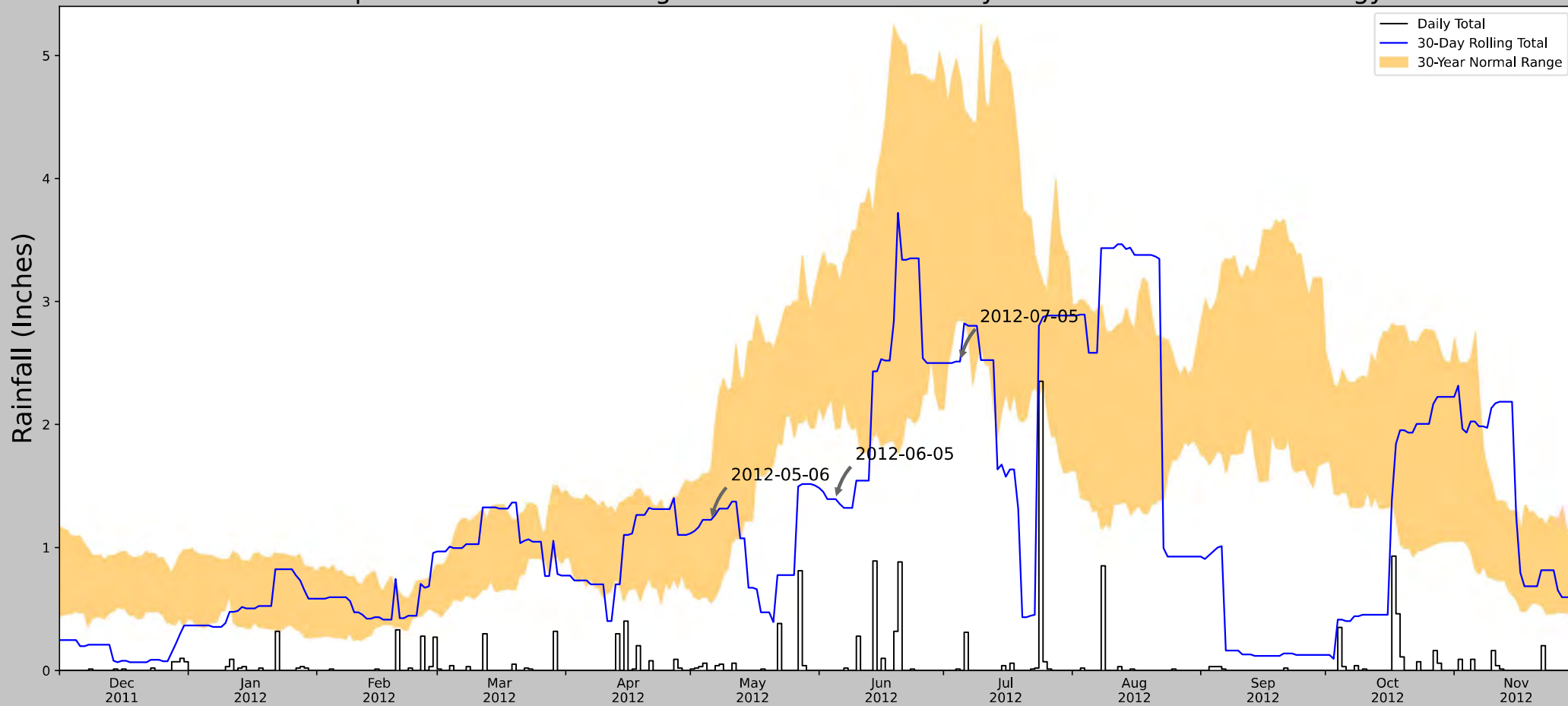
Appendix E – Off-Site Aerial Photo Review Summary

Harmony BESS- Cass County, North Dakota Project Location: Section 12, Township 140N, Range 51W Investigator: Eli Nedden and Eliza Suchan									
Wetland Hydrology from Aerial Imagery - Recording Form									
Image Date ¹ (M-D-Y)	Image Source	Climate Condition	Image Interpretation(s)						Additional Notes
			WS01	WS02	WS03	WS04	WS05		
7-5-2012	NAIP	Dry	NV	NV	NV	NV	NV		
8-12-2014	NAIP	Dry	CS	CS	CS	CS	CS		
9-1-2015	NAIP	Normal	SS	SS	NV	NV	NV		
7-2-2017	NAIP	Normal	CS	CS	CS	NV	NV		
7-22-2019	NAIP	Normal	CS	CS	CS	CS, DO	CS		
9-4-2021	NAIP	Normal	NV	NV	NV	NV	NV		
9-19-2023	NAIP	Dry	NV	NV	NV	CS	NV		
Normal Climate Condition			WS01	WS02	WS03	WS04	WS05		
Number of years with normal climate conditions			4	4	4	4	4		
Number with wet signatures			3	3	2	1	1		
Percent with wet signatures			75	75	50	25	25		

KEY		
WS - wetland signature	SS - soil wetness signature	CS - crop stress
NC - not cropped	AP - altered pattern	NV - normal vegetative cover
DO - Drowned out	SW - standing water	NSS - no soil wetness signature
Other labels or comments:		

¹If only the year is known, assumption is made that FSA slides are taken in July; as a result, climate condition analysis focuses on three months prior to July

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



Coordinates	46.95285, -97.06814
Observation Date	2012-07-05
Elevation (ft)	907.923
Drought Index (PDSI)	Moderate drought
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
2012-07-05	2.840551	4.822835	2.511811	Dry	1	3	3
2012-06-05	1.969291	3.286221	1.393701	Dry	1	2	2
2012-05-06	0.550394	1.637402	1.224409	Normal	2	1	2
Result							Drier than Normal - 7

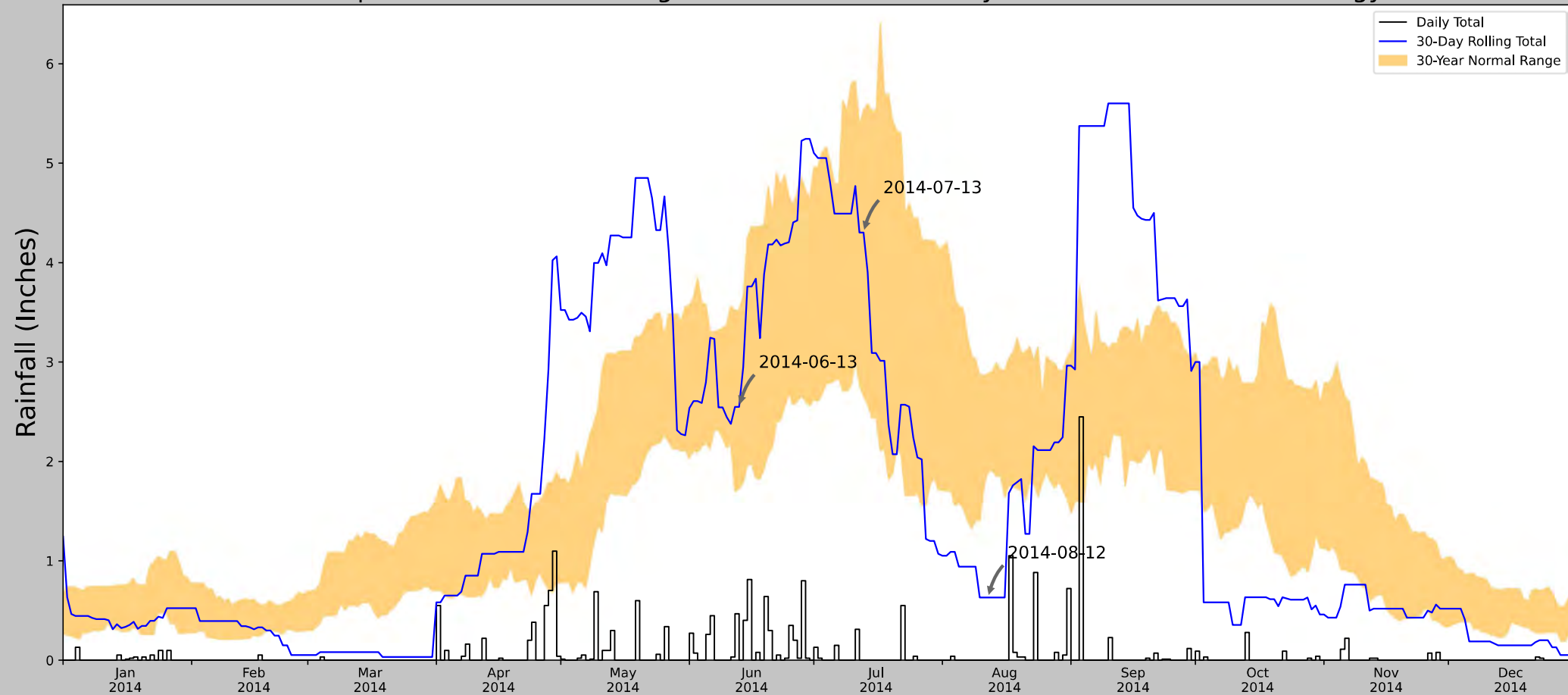
Figures and tables made by the
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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	12.245	12.91	5.668	11352	90

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



Coordinates	46.95285, -97.06814
Observation Date	2014-08-12
Elevation (ft)	907.923
Drought Index (PDSI)	Severe wetness
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
2014-08-12	1.903937	2.887008	0.629921	Dry	1	3	3
2014-07-13	2.659055	5.53189	4.30315	Normal	2	2	4
2014-06-13	1.730315	3.527559	2.547244	Normal	2	1	2
Result							Drier than Normal - 9

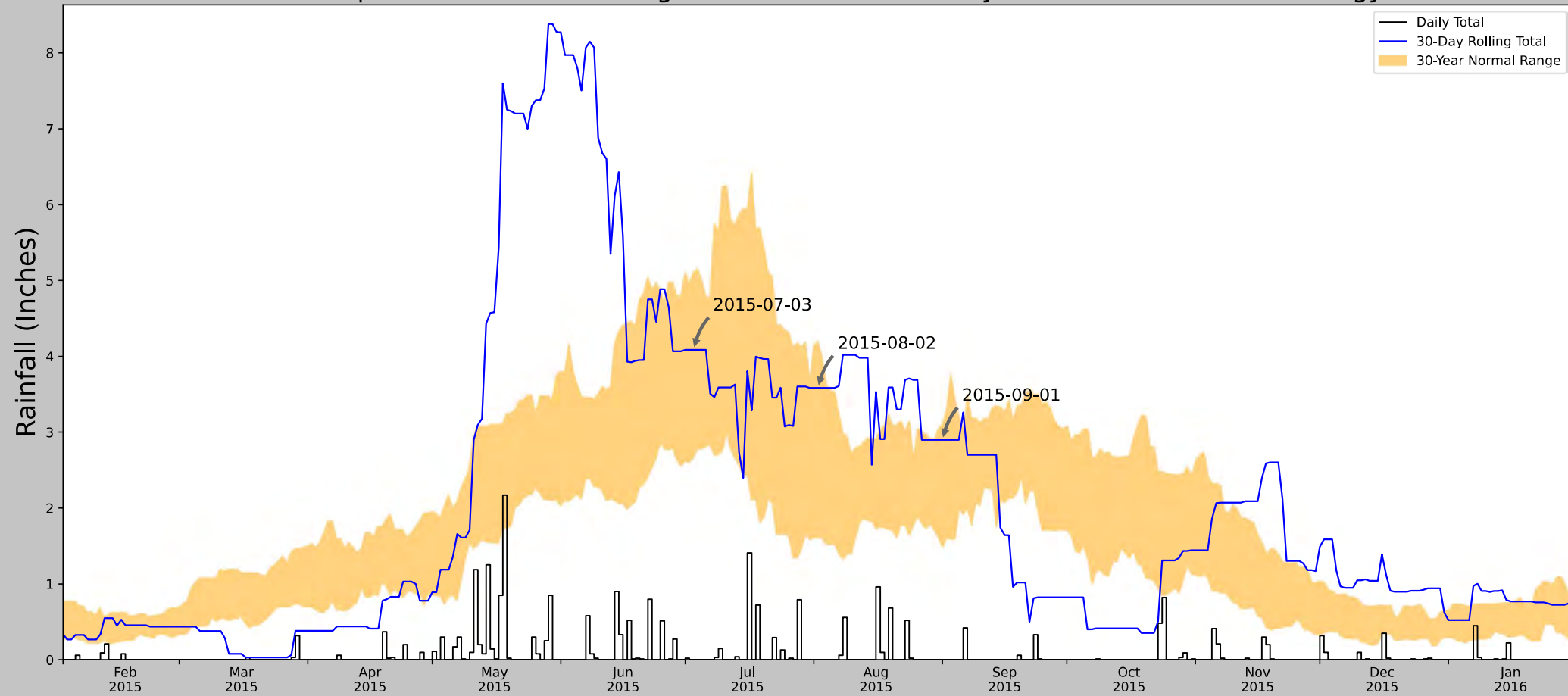
Figures and tables made by the
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Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSETON AGRONOMY FARM	46.8769, -97.2328	935.039	9.377	27.116	4.474	9902	90
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	187	0
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	1233	0
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	31	0

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



Coordinates	46.95285, -97.06814
Observation Date	2015-09-01
Elevation (ft)	907.923
Drought Index (PDSI)	Mild drought
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
2015-09-01	1.487402	3.112599	2.897638	Normal	2	3	6
2015-08-02	1.61378	4.199606	3.582677	Normal	2	2	4
2015-07-03	2.677165	5.11063	4.086614	Normal	2	1	2
Result							Normal Conditions - 12

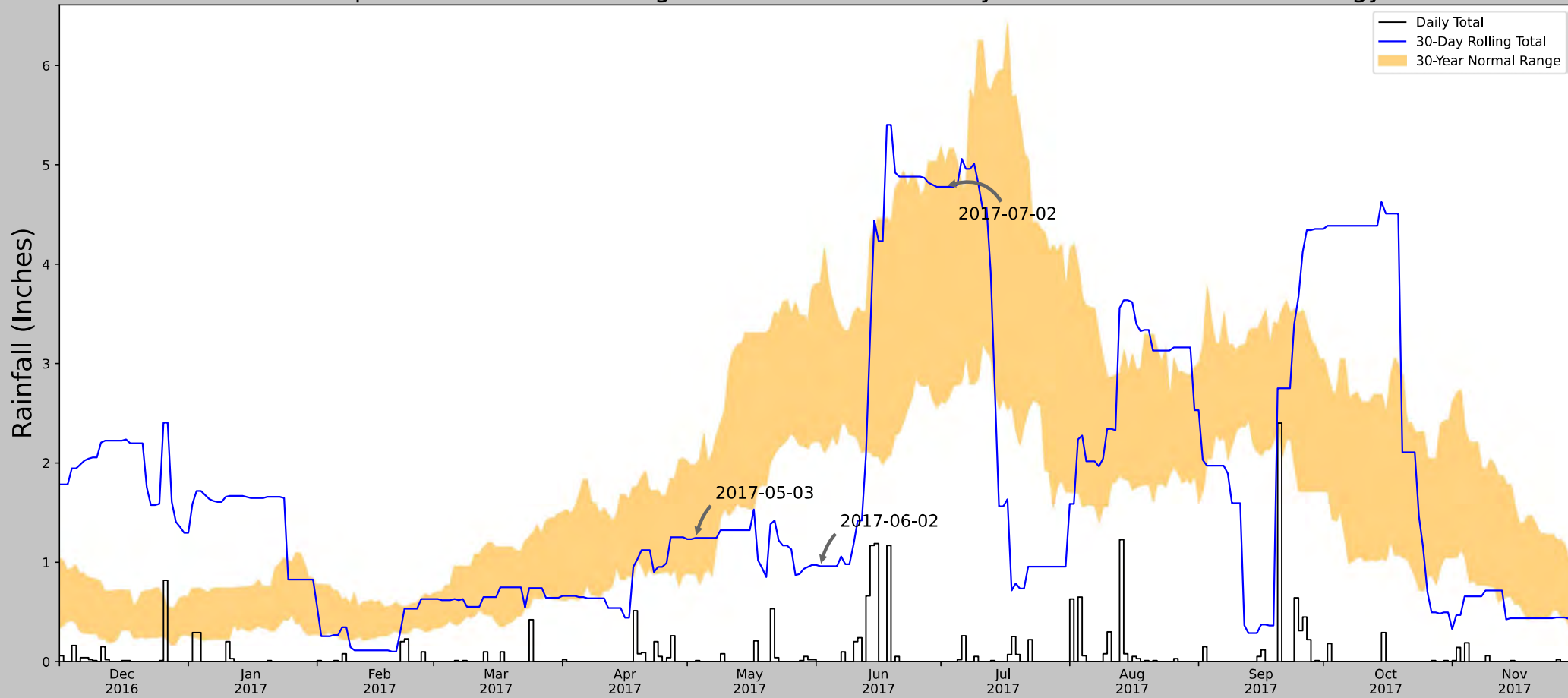
Figures and tables made by the
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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSELTON AGRONOMY FARM	46.8769, -97.2328	935.039	9.377	27.116	4.474	10266	88
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	188	1
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	869	1
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	30	0

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



Coordinates	46.95285, -97.06814
Observation Date	2017-07-02
Elevation (ft)	907.923
Drought Index (PDSI)	Mild drought
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
2017-07-02	2.604724	4.98504	4.779528	Normal	2	3	6
2017-06-02	2.218898	3.809449	0.96063	Dry	1	2	2
2017-05-03	0.893307	1.988189	1.244095	Normal	2	1	2
Result							Normal Conditions - 10

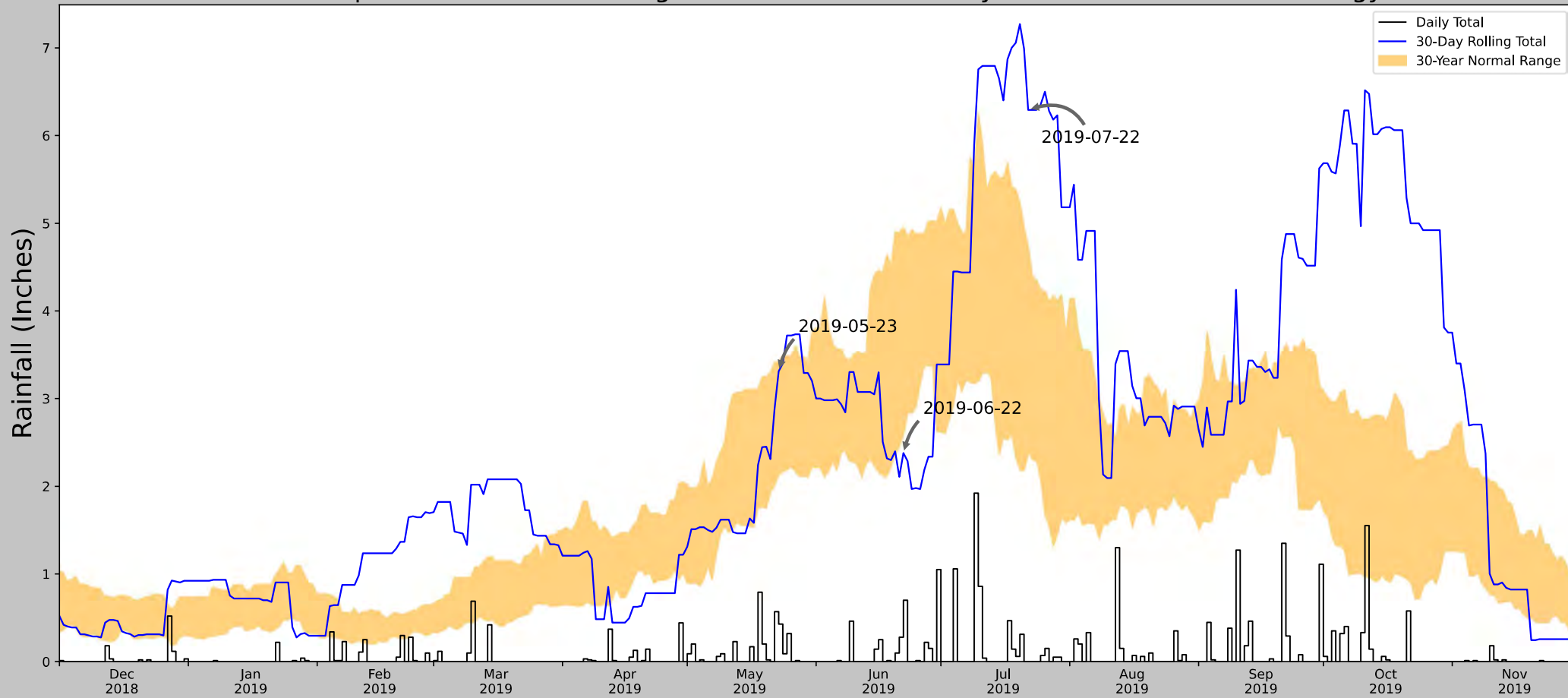
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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSELTON AGRONOMY FARM	46.8769, -97.2328	935.039	9.377	27.116	4.474	10508	90
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	189	0
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	626	0
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	30	0

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



Coordinates	46.95285, -97.06814
Observation Date	2019-07-22
Elevation (ft)	907.923
Drought Index (PDSI)	Severe wetness
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
2019-07-22	2.387795	4.725984	6.291339	Wet	3	3	9
2019-06-22	2.593701	4.955118	2.377953	Dry	1	2	2
2019-05-23	2.133465	3.425197	3.311024	Normal	2	1	2
Result							Normal Conditions - 13

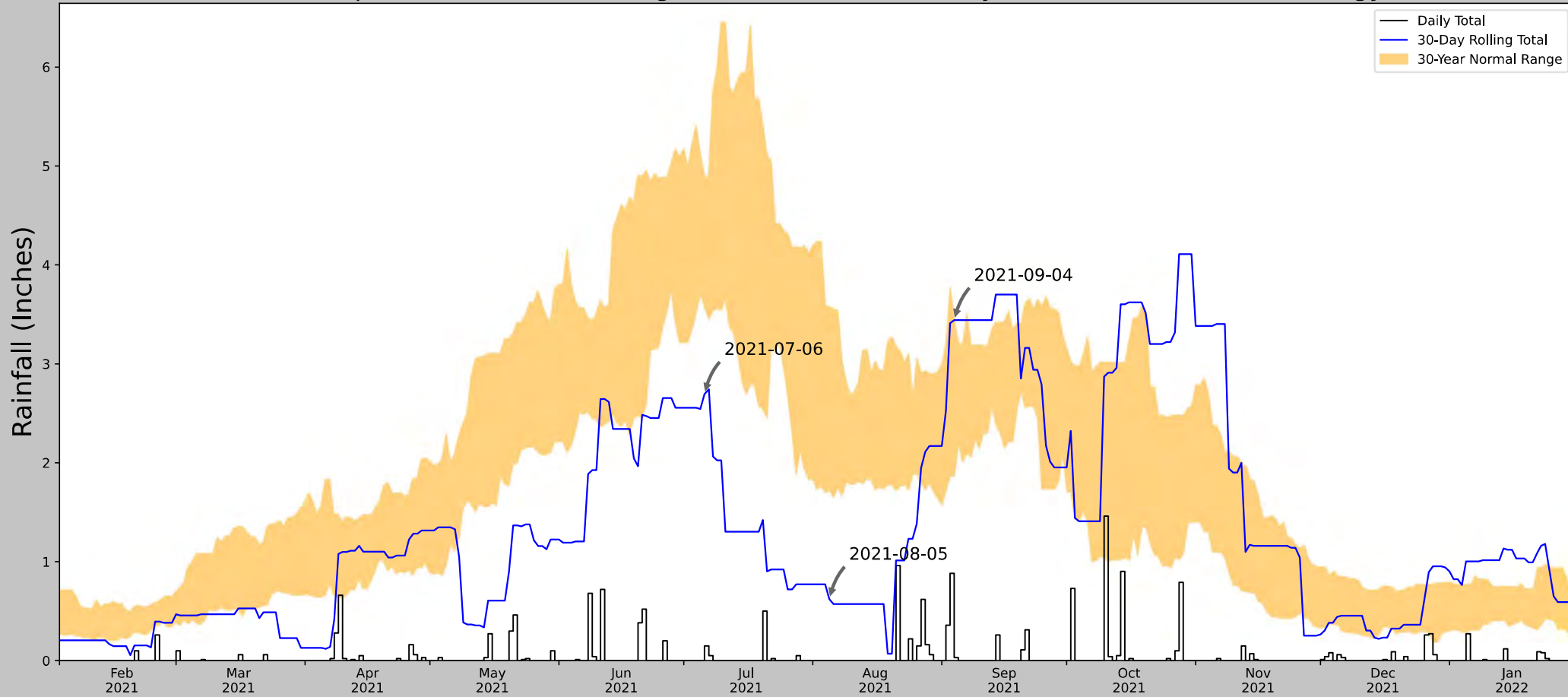
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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSETON AGRONOMY FARM	46.8769, -97.2328	935.039	9.377	27.116	4.474	10507	90
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	193	0
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	623	0
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	30	0

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



Coordinates	46.95285, -97.06814
Observation Date	2021-09-04
Elevation (ft)	907.923
Drought Index (PDSI)	Extreme drought
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
2021-09-04	1.873228	3.427953	3.440945	Wet	3	3	9
2021-08-05	1.724803	3.579921	0.622047	Dry	1	2	2
2021-07-06	3.584252	4.903543	2.692913	Dry	1	1	1
Result							Normal Conditions - 12

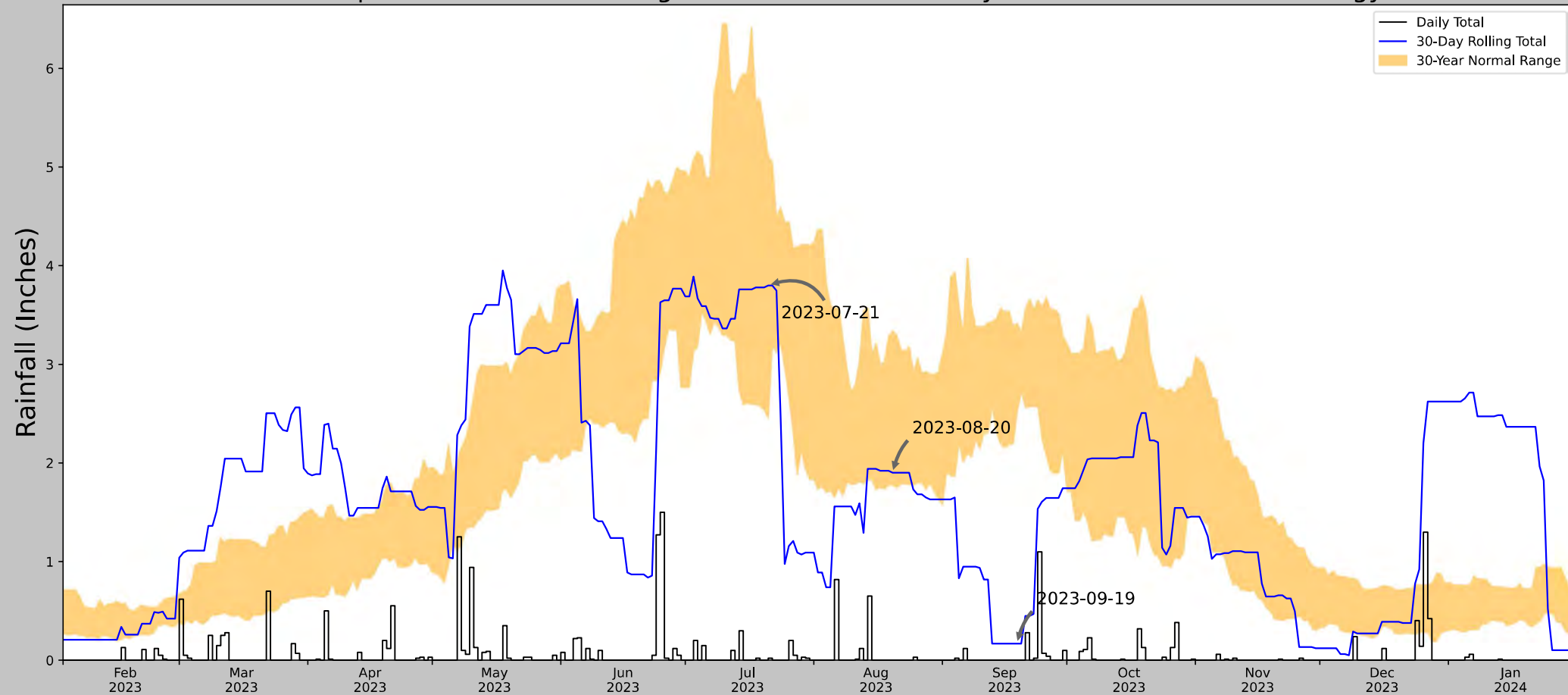
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Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSELTON AGRONOMY FARM	46.8769, -97.2328	935.039	9.377	27.116	4.474	10567	90
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	193	0
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	563	0
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	30	0

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



Coordinates	46.95285, -97.06814
Observation Date	2023-09-19
Elevation (ft)	907.923
Drought Index (PDSI)	Incipient drought
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
2023-09-19	2.529921	3.415354	0.169291	Dry	1	3	3
2023-08-20	1.782284	3.339764	1.901575	Normal	2	2	4
2023-07-21	2.46378	5.112599	3.799213	Normal	2	1	2
Result							Drier than Normal - 9

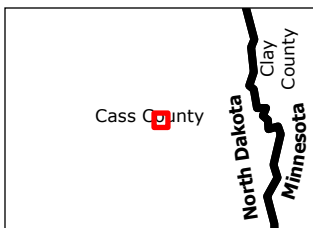
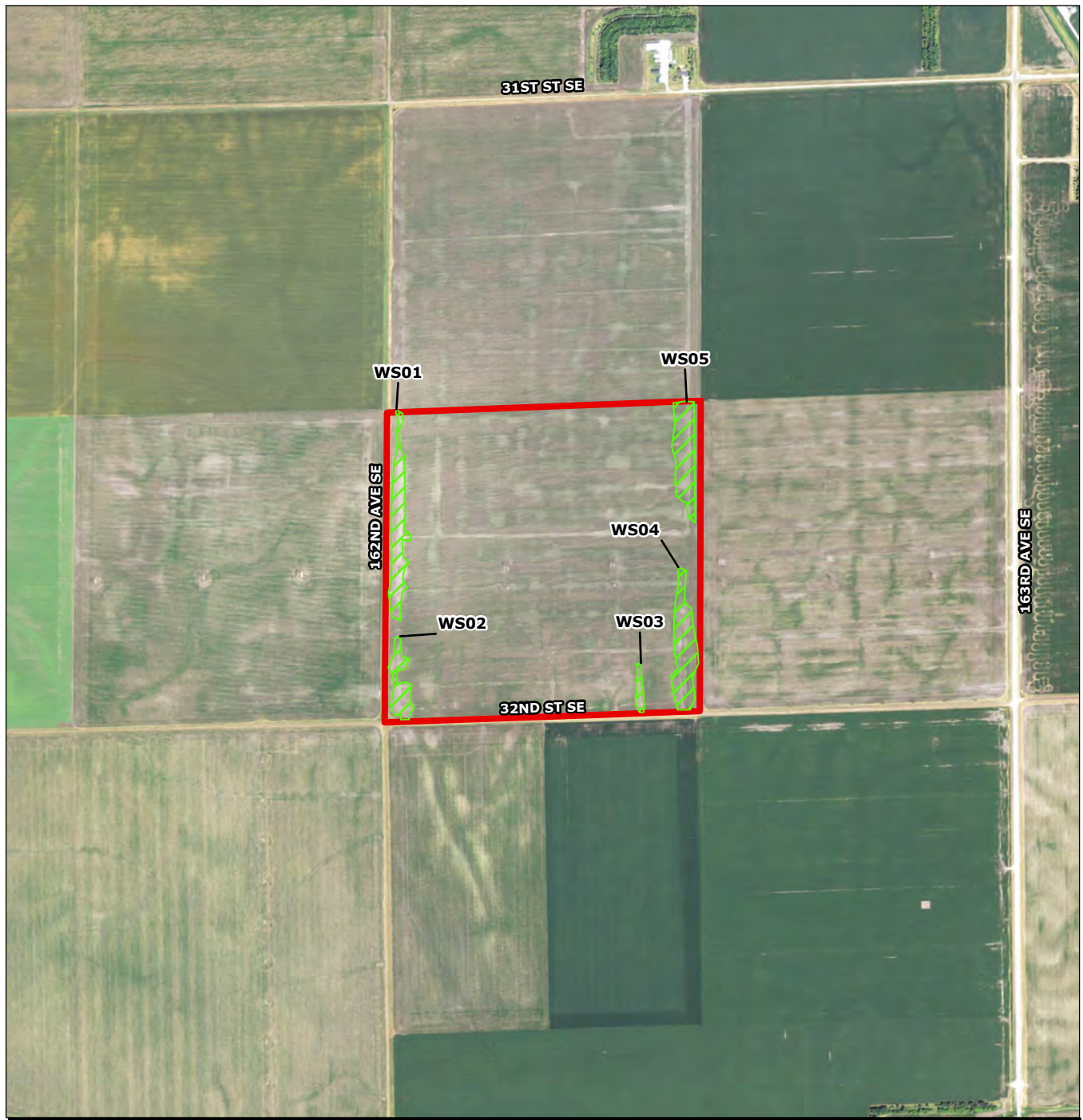
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Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CASSELTON AGRONOMY FARM	46.8769, -97.2328	935.039	9.377	27.116	4.474	10567	90
DURBIN 5.4 WNW	46.8293, -97.2617	943.898	3.561	8.859	1.634	193	0
CHAFFEE 5 NE	46.7958, -97.2686	953.084	5.853	18.045	2.739	563	0
FARGO HECTOR INTL AP	46.9242, -96.812	895.013	20.133	40.026	9.866	30	0

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Notes

1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP
3. Background: NAIP 2012

Legend

- Project Boundary
- Aerial Wetness Signature

0 650 1,300 Feet
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Project Location
T140N, R51W, S14
Harmony, Cass Co., ND

Prepared by BS on 2026-03-02

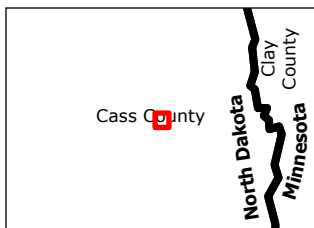
Client/Project
Harmony Storage, LLC
Aquatic Resources Delineation
Appendix E

193711746

Title
**Historical Aerial Photo Review -
July 5 2012**

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Notes
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP
3. Background: NAIP 2014

Legend
 Project Boundary
 Aerial Wetness Signature

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Project Location Prepared by LAH on 2026-03-02
T140N, R51W, S14
Harmony, Cass Co., ND

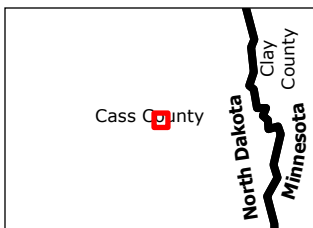
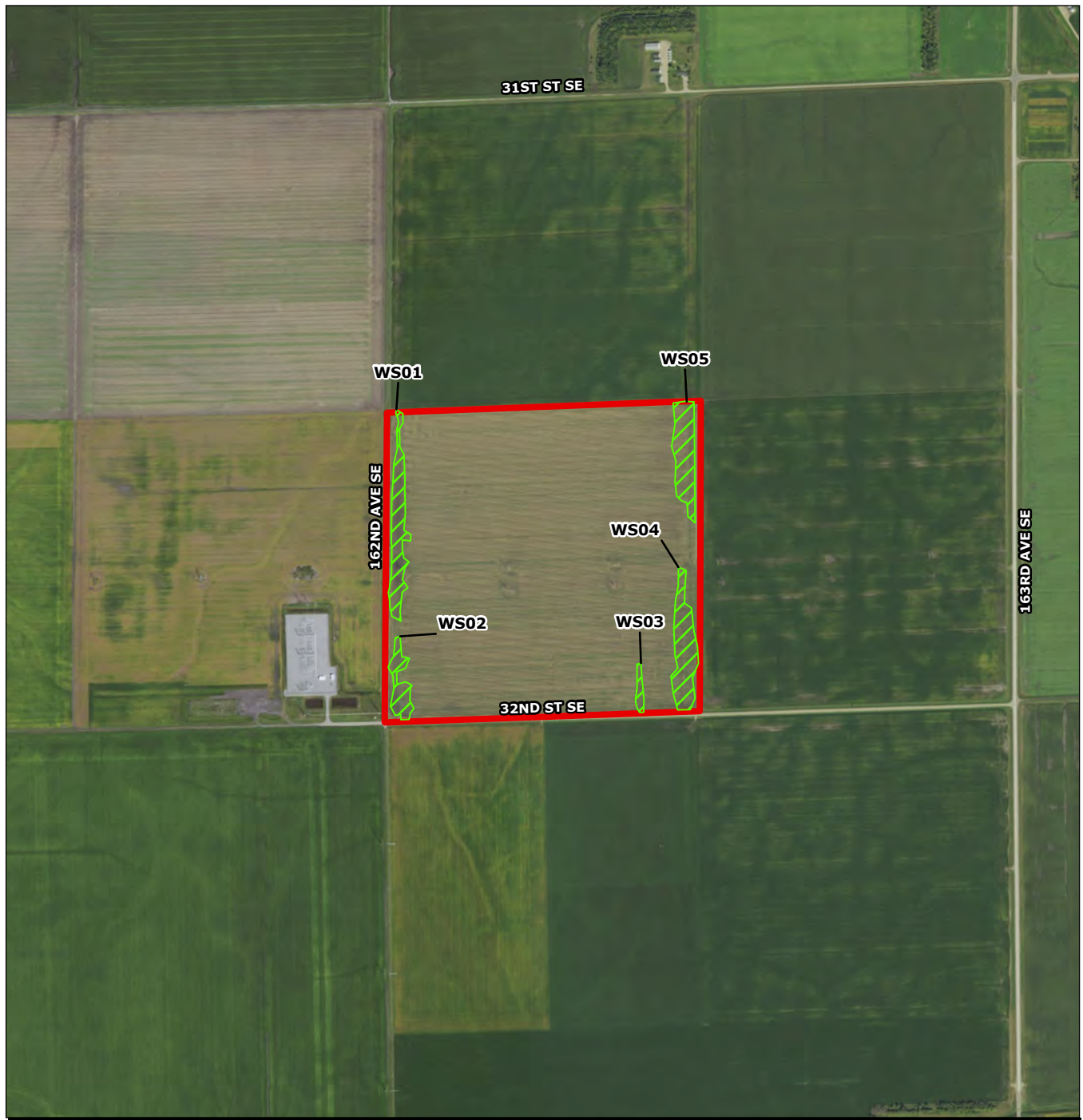
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Title
Historical Aerial Photo Review -
August 12 2014

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Notes

1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP
3. Background: NAIP 2015

Legend

- Project Boundary
- Aerial Wetness Signature

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Project Location
T140N, R51W, S14
Harmony, Cass Co., ND

Prepared by BS on 2026-03-02

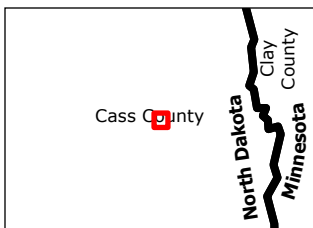
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Title
**Historical Aerial Photo Review -
September 1 2015**

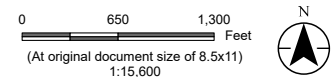
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Notes
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP
3. Background: NAIP 2017

Legend
 Project Boundary
 Aerial Wetness Signature



Project Location
T140N, R51W, S14
Harmony, Cass Co., ND

Prepared by BS on 2026-03-02

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Aquatic Resources Delineation
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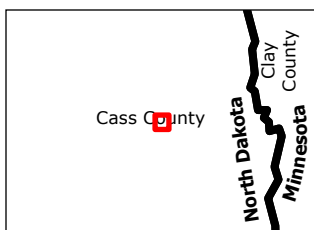
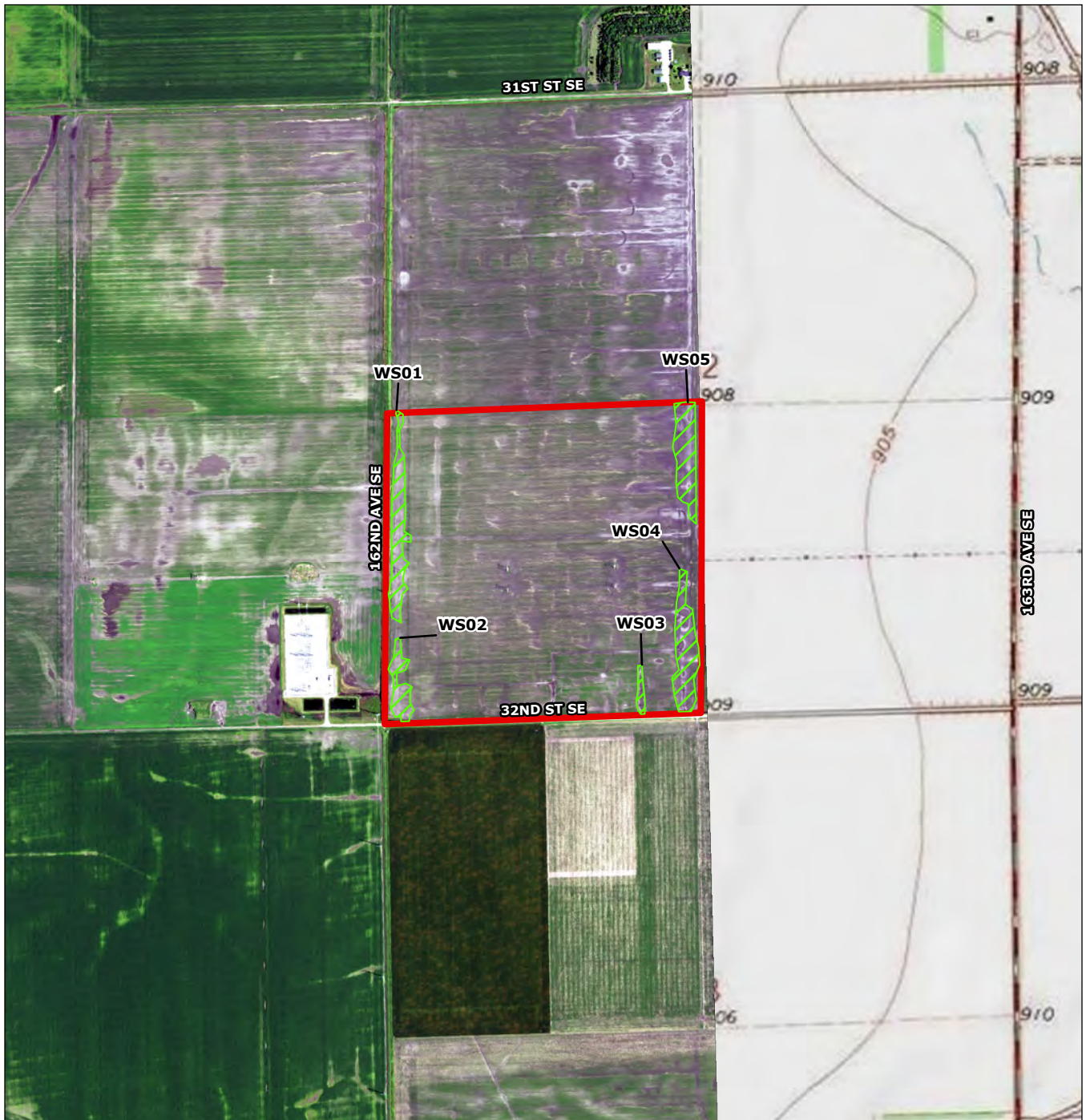
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Title
Historical Aerial Photo Review -
July 2 2017

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Notes
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP
3. Background: NAIP 2019

Legend
 Project Boundary
 Aerial Wetness Signature

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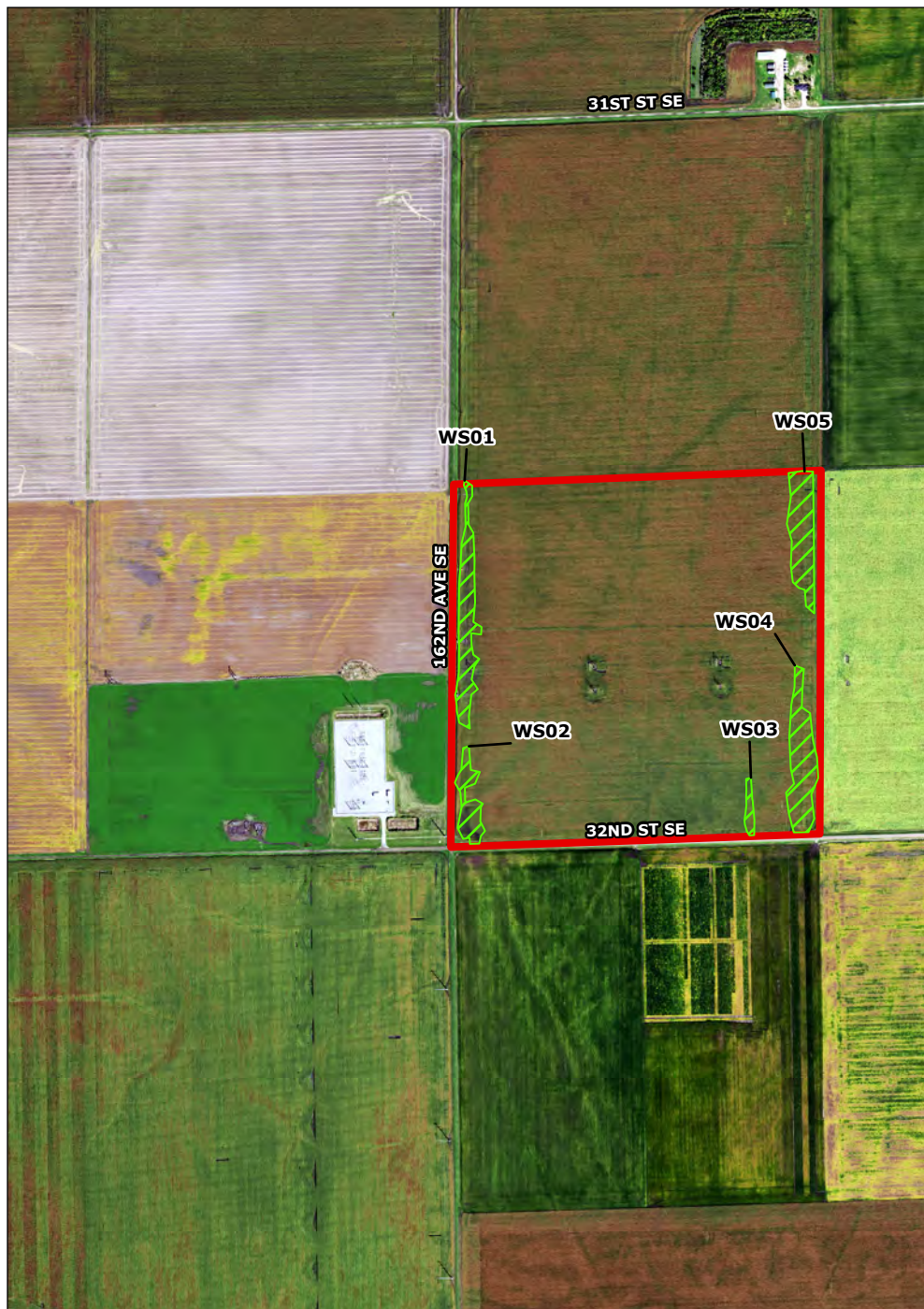


Project Location Prepared by LAH on 2026-03-02
T140N, R51W, S14
Harmony, Cass Co., ND

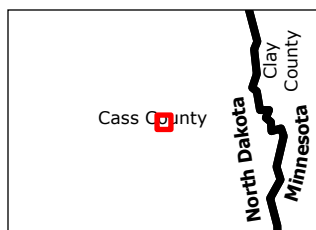
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July 22 2019

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163RD AVE SE



Legend

-  Project Boundary
-  Aerial Wetness Signature

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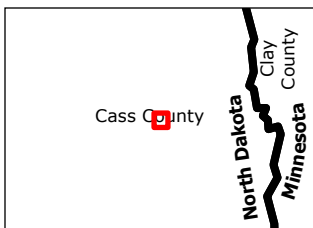
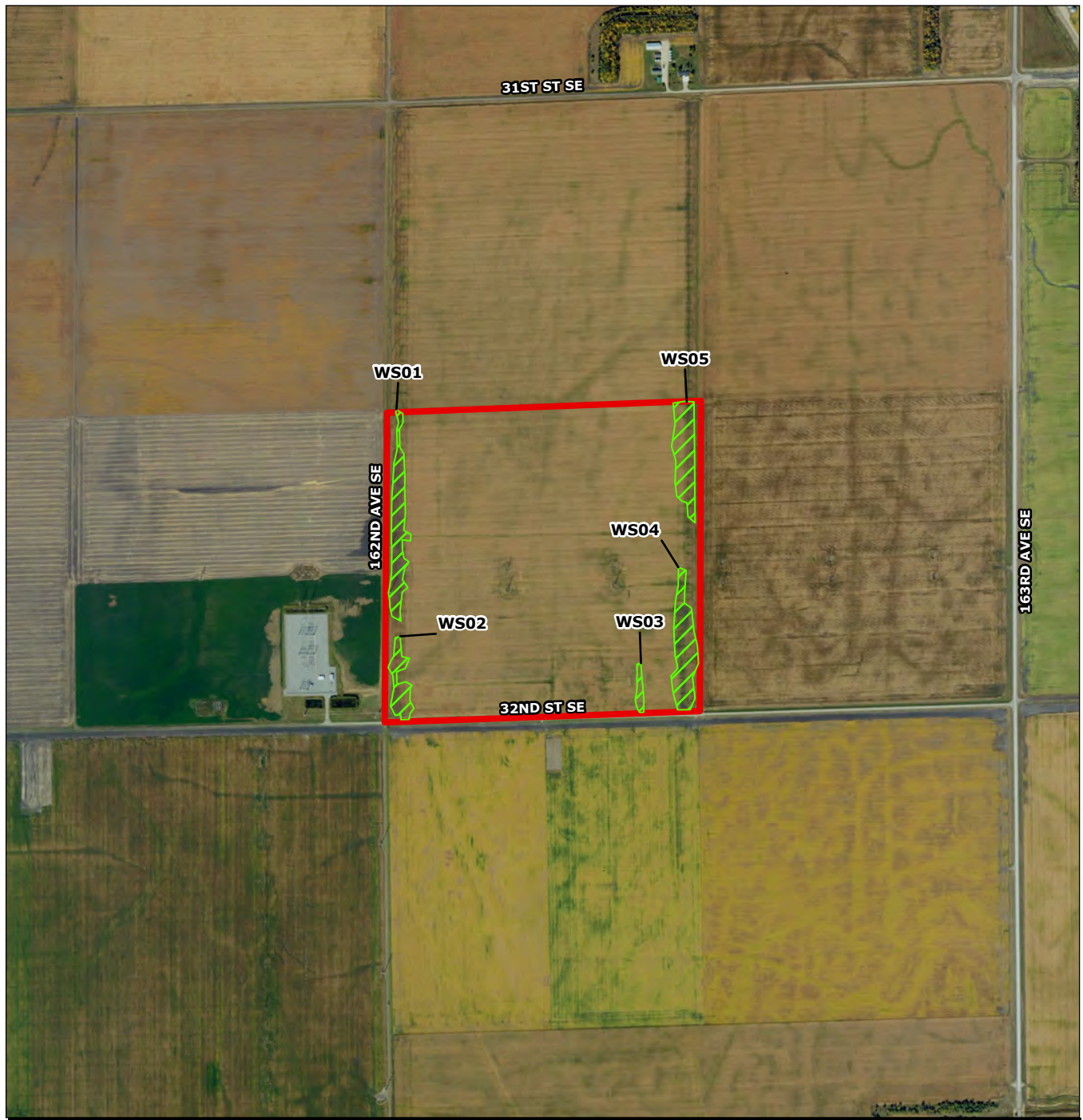
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T140N, R51W, S14
Harmony, Cass Co., ND

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**Historical Aerial Photo Review -
September 04 2021**

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Notes
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Data Sources: NAIP
3. Background: NAIP 2023

Legend
 Project Boundary
 Aerial Wetness Signature

0 650 1,300 Feet
(At original document size of 8.5x11)
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Project Location Prepared by BS on 2026-03-02
T140N, R51W, S14
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