Minnesota Wetland Conservation Act
NOTICE OF APPLICATION

Date this Notice was sent:	**5/29/2026**
Date Complete Application received:	**5/27/2026**
Local Government Unit:	**City of Independence**
County:	**Hennepin**
Applicant and (if applicable) Applicant's Representative:	**Applicant: Dale Dingman, Dingman Custom Homes** **Applicant Representative: Kat Dickerson, Kjolhaug**
Project Name/Number:	**8725 Hitsman Lane_Dingman** **IN401-26-02**
Type of Application (check all that apply): **Note:** If a complete boundary/type application (i.e. delineation report) is submitted with another type of application, then check both application types.	☒ Boundary/Type ☐ Sequencing (submitted separately from a replacement plan) ☐ Replacement Plan ☐ Bank Plan ☐ Exemption Identify which exemption by Rule or Statute Citation ☐ No-Loss Identify which provision by Rule or Statute Citation: **[insert]**
For Replacement Plan Applications Only:	Proposed wetland impacts requiring replacement (acres): **[insert]** Type of wetland replacement proposed (check all that apply): ☐ Project-Specific. Number of Credits: **[insert]** ☐ Banking. Number of Credits by Bank Account #: **[insert]**
Application Materials (check one):	☒ Attached ☐ Other (ftp or other accessible file sharing site): **[insert]**
Comments on this Application must be received by (date): **Note:** For replacement plan, sequencing, bank plan, and boundary/type applications, the comment period must be at least 15 business days from the date the notice of application is sent.	**6/19/2026**
Where to send comments:	Name: **Nikki McDermond-Spies** Address: **3601 Thurston Ave, Anoka, MN 55303** Email: **NikkiM@haa-inc.com**
Decision-Maker on this Application (check one):	☒ Staff ☐ Board/Council ☐ Other. Specify: **[insert]**

	Specify anticipated decision date if known: **[insert]**

Notice Distribution

Notice Recipients (check all that apply):	☒ SWCD TEP Member (if different from LGU): **Stacey Lijewski, stacey.lijewski@hennepin.us** ☒ BWSR TEP Member: **Jed Chesnut, jed.chesnut@state.mn.us** ☒ DNR Representative: **Ryan Toot, ryan.toot@state.mn.us** ☒ Watershed District or WMO (if applicable): **Andrew Vistad, andrewv@haa-inc.com** ☐ bank.administrator.bwsr@state.mn.us (Bank Plan Applications Only) ☐ Applicant: **[insert]** ☒ Applicant's Representative (if applicable): **kat@kjolhaugenv.com** ☐ Members of the Public Requesting Notices (if applicable): **[insert]** ☐ Others: **[insert]**

LGU Representative Name & Signature:	**Nikki McDermond-Spies** 

KJOLHAUG ENVIRONMENTAL
An MNL Company

8725 Hitsman Lane

Independence, Hennepin County, Minnesota

Wetland Delineation Report

Prepared for

Dingman Custom Homes.

by

Kjolhaug Environmental Services, LLC.
(KES #2026-069)

May 27th, 2026

8725 Hitsman Lane

Independence, Hennepin County, Minnesota

Wetland Delineation Report

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8725 Hitsman Lane

Independence, Hennepin County, Minnesota

Wetland Delineation Report

1. WETLAND DELINEATION SUMMARY

- The 19.65-acre 8725 Hitsman Lane site was inspected on May 6th, 2026 for the presence and extent of wetland.
- The National Wetlands Inventory (NWI) map shows one PEM1A wetland, one PEM1Ad wetland, and one PFO1A wetland within the site boundary.
- The soil survey shows Klossner soils, depressional, and Glencoe clay loam as Hydric soil map units and Cordova loam as a Predominantly-Hydric soil map unit within the site boundary.
- The DNR Public Waters Inventory did not identify any Public Waters, Wetlands, or Watercourses within 1,000 feet of the site boundary.
- The National Hydrography Dataset did not identify any surface water features within or adjacent to the site boundary.
- Four (4) wetlands were delineated onsite as summarized in **Table 1**.

Table 1. Wetlands delineated on the 8725 Hitsman Lane site.

Wetland ID	Wetland Type				Dominant Vegetation	Onsite Area
	Circular 39	Cowardin	Eggers and Reed	HGM Class		
WL 1	Type 3/1	PEM1C/A	Shallow marsh with a wet meadow fringe.	Depression	narrowleaf cattail, duckweed, reed canary grass	0.37 ac.
WL 2	Type 2/1	PEM1B/Af	Wet meadow, seasonally saturated basin, partially farmed	Depression	reed canary grass, some narrowleaf cattail, and water plantain	0.08 ac
WL 3	Type 2	PEM1B	Wet meadow	Depression	reed canary grass, orange jewelweed.	1.37 ac.
WL D	Type 2	PEM1Bf	Wet meadow, agricultural slope.	Slope	farmed area with some narrowleaf cattail and horsetail	0.01 ac

2. OVERVIEW

The 19.65-acre 8725 Hitsman Lane site was inspected on May 6th, 2026, for the presence and extent of wetland. The site was located in Section 17, Township 118 North, Range 24 West, Independence, Hennepin County, Minnesota. The site was located south of the intersection of Hwy 12, Hitsman Lane, and Copeland Road (**Figure 1**). The property corresponded to Hennepin County PID 1711824220004 (8725 Hitsman Lane/3100 Copeland Road, 19.65 acres).

The property consisted of a homestead, an agricultural field, a few wooded areas, and wetland. All buildings had been removed from the homestead at the time of the site visit. The agricultural field had not been planted for the 2026 growing season and contained soybean stubble from the 2025 growing season. Wooded areas contained an overstory of American elm, white pine, boxelder, black walnut, and black cherry with an understory of common buckthorn, Tatarian honeysuckle, and black cherry, with Virginia waterleaf, sticky willy, and wood violet in the herbaceous layer. Topography was highest near the farmhouse (1000 ft MSL) and generally sloped downhill with the lowest point in the south (972 ft MSL).

Four (4) wetlands were delineated within the site boundaries. The delineated wetland boundaries and existing conditions are shown on **Figure 2**.

Appendix A of this report includes a Joint Application Form for Activities Affecting Water Resources in Minnesota, which is submitted in a request for a wetland boundary and type concurrence approval from the City of Independence under the Minnesota Wetland Conservation Act (WCA).

3. METHODS

3.1 Wetland Delineation

Wetlands were identified using the Routine Determination method described in the Corps of Engineers Wetlands Delineation Manual (Waterways Experiment Station, 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0) as required under Section 404 of the Clean Water Act and the Minnesota Wetland Conservation Act.

Wetland boundaries were identified as the upper-most extent of wetland that met criteria for hydric soils, hydrophytic vegetation, and wetland hydrology. The wetland-upland boundaries were marked with pin flags and located with a handheld GPS unit capable of sub-meter accuracy.

Soils, vegetation, and hydrology were documented at a representative location along the wetland-upland boundary. Plant species dominance was estimated based on the percent aerial or basal coverage visually estimated within a 30-foot radius for trees and vines, a 15-foot radius for the shrub layer, and a 5-foot radius for the herbaceous layer within the community type sampled (**Appendix B**).

Soils were characterized to a minimum depth of 24 inches (unless otherwise noted) using a Munsell Soil Color Book and standard soil texturing methodology. Hydric soil indicators used are from Field Indicators of Hydric Soils in the United States (USDA Natural Resources Conservation Service (NRCS) in cooperation with the National Technical Committee for Hydric Soils, Version 9.3, 2026).

Mapped soils are separated into five classes based on the composition of hydric components and the Hydric Rating by Map Unit color classes utilized on Web Soil Survey. The five classes include Hydric (100 percent hydric components), Predominantly Hydric (66 to 99 percent hydric components), Partially Hydric (33 to 65 percent hydric components), Predominantly Non-Hydric (1 to 32 percent hydric components), and Non-Hydric (less than one percent hydric components).

Plants were identified using standard regional plant keys. Taxonomy and indicator status of plant species were taken from the 2022 National Wetland Plant List (U.S. Army Corps of Engineers 2023. National Wetland Plant List, version 3.6, Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, NH).

3.2 Offsite Hydrology Assessment

Areas in agricultural cropland that exhibited potential wetland signatures on aerial photography and with low or depressional topography were reviewed following methods described in Guidance for Offsite Hydrology/Wetland Determinations (USACE/Minnesota Board of Water and Soil Resources (BWSR)/USACE 2016) and Guidance for Submittal of Delineation Reports to the St. Paul District Corps of Engineers and Wetland Conservation Act Local Governmental Units in Minnesota, Version 2.0 (USACE 2015). These methods use aerial photography and antecedent precipitation conditions to identify areas with wetland hydrology signatures during periods of typical precipitation during the growing season (typically mid-April through mid-October) (**Appendix C** and **D**).

Available years of Farm Service Agency (FSA) aerial photography were reviewed for the site to determine long-term hydrology. In cases where additional aerial photography was relevant, available, and necessary to make hydrology determinations, we reviewed aerial photography from other sources, such as the Minnesota Geospatial Information Office (MnGEO), Hennepin County GIS, and Google Earth.

Signatures at locations of potential wetlands on aerial photographs were interpreted and classified using nine codes (**Table 2**).

Table 2. Aerial Photograph Interpretation Codes

Code	Classification	Code	Classification
CS	Crop Stress	WS	Wetland Signature
DO	Drowned out	AP	Altered pattern
NC	Not cropped	NV	Normal vegetation
SW	Standing water	NSS	No soil wetness signature
SS	Soil Wetness Signature		

This analysis used only aerial photographs taken following periods of average normal antecedent precipitation within the normal range as determined using the Antecedent Precipitation Tool, Version 3.0.8 (USACE). This tool classifies antecedent precipitation as Normal (N), Wet (W), or Dry (D) by comparing precipitation during the three months preceding the estimated date of aerial photography to the 30-year average from 1991-2020. When acquisition dates were not included in the metadata, photo dates were estimated based on tree leaf out. Photography with known photo dates was prioritized over photos without known acquisition dates. Photography from FSA and Hennepin County GIS was prioritized over Google Earth.

4. RESULTS

4.1 Review of NWI, Soils, Public Waters, and NHD Information

The National Wetlands Inventory (NWI) (Minnesota Geospatial Commons and Minnesota Department of Natural Resources 2019) shows one PEM1A wetland, one PEM1Ad wetland, and one PFO1A wetland within the site boundary (**Figure 3**).

The Soil Survey (USDA NRCS SSURGO 2024) shows Klossner soils, depressional, and Glencoe clay loam as mapped hydric soil map units and Cordova loam as a mapped predominantly hydric soil map unit within the site boundary. Soils mapped within the site are listed in **Table 3** and depicted in **Figure 4**.

Table 3. Soil map units on the 8725 Hitsman Lane site.

Symbol	Soil Name	Acres	% of Area	% Hydric	Hydric Category
L22C2	Lester loam, 6 to 10 percent slopes, moderately eroded	4.6	23.50%	2	Predominately Non Hydric
L22D2	Lester loam, 10 to 16 percent slopes, moderately eroded	0.1	0.40%	0	Non Hydric
L23A	Cordova loam, 0 to 2 percent slopes	1.8	9.00%	95	Predominately Hydric
L24A	Glencoe clay loam, 0 to 1 percent slopes	0.4	2.00%	100	Hydric
L36A	Hamel, overwash-Hamel complex, 0 to 3 percent slopes	3.8	19.20%	45	Partial Hydric

Table 3. Soil map units on the 8725 Hitsman Lane site.

Symbol	Soil Name	Acres	% of Area	% Hydric	Hydric Category
L37B	Angus loam, 2 to 6 percent slopes	8.8	44.70%	5	Predominately Non Hydric
L41C2	Lester-Kilkenny complex, 6 to 10 percent slopes, moderately eroded	0.1	0.60%	5	Predominately Non Hydric
L49A	Klossner soils, depressional, 0 to 1 percent slopes	0.1	0.60%	100	Hydric

The Minnesota DNR Public Waters Inventory (Minnesota Department of Natural Resources 2025) did not identify any Public Waters, Wetlands, or Watercourses within 1,000 feet of the site boundaries (**Figure 5**).

The National Hydrography Dataset (U.S. Geological Survey 2023) did not identify any surface water features within or adjacent to the site boundary (**Figure 6**).

4.2 Wetland Determinations and Delineations

Potential wetlands were evaluated during field observations on May 6th, 2026. Four (4) wetlands were identified and delineated on the property (**Figure 2**). Corresponding data forms are included in **Appendix B**. Representative photographs of delineated wetlands are included in **Appendix E**. The following description of the wetland and its adjacent upland reflects conditions observed at the time of the field visit. At that time, there were no emerging crops, but natural vegetation was starting to grow, and trees had started to leaf out. Precipitation conditions were normal (typical) based on the USACE APT three-month weighted average, and within the average range based on the USACE APT 30-day rolling total (**Appendix C**).

Wetland 1 was a Type 3/1 (PEM1C/A) shallow marsh with a wet meadow fringe. The marsh and fringe were dominated by narrow-leaved cattail and reed canary grass,

The adjacent upland was dominated by white pine, white oak, and American elm trees, with an understory of Kentucky bluegrass, Virginia waterleaf, wood violet, and raspberry. Unplanted agricultural land was adjacent to the western wetland boundary.

The wetland boundary corresponded to an elevation change and with the transition from an upland to a hydrophytic plant community. Wetland 1 was identified as a PEM1A wetland on the NWI map and was located within a mapped predominately non hydric soil unit (Angus loam) on the soil survey.

Wetland 2 was a Type 2/1 (PEM1B/Af) wet meadow wetland with a farmed seasonally saturated fringe and included a portion of the roadside ditch. The wet meadow was dominated by reed canary grass with scattered narrowleaf cattail present. The farmed fringe contained deep tire ruts with scattered reed canary grass and a few narrowleaf cattail plants.

The adjacent upland to the east was an unplanted agricultural field. The field had scattered vegetation, including dandelion, field chickweed, cinquefoil, shepherd's purse, and common plantain. A road bordered the west side of Wetland 2 and consisted of the roadside slope dominated by smooth brome and some raspberry. The east portion of Wetland 2 was Area C of the off-site aerial review.

The wetland boundaries corresponded to an elevation change and the transition from an upland to a hydrophytic plant community. Wetland 2 was not identified on the NWI map and was located within a mapped partially hydric soil unit (Hamel, overwash Hamel complex) on the soil survey.

Wetland 3 was a Type 2 (PEM1B) wet meadow dominated by reed canary grass and jewelweed, with scattered narrowleaf cattail.

Adjacent upland to the north was an unplanted agricultural field with scattered vegetation, including dandelion, chickweed, cinquefoil, shepherd's purse, and common plantain. The adjacent upland to the south and east was dominated by white pine, black cherry, American elm, and box elder with an understory of common buckthorn, Tatarian honeysuckle, and high bush cranberry.

The wetland boundaries corresponded to an elevation change and the transition from an upland to a hydrophytic plant community. Wetland 3 was identified as a PEM1Ad wetland on the NWI map and was located within mapped hydric soils (Glencoe clay loam and Klossner soils) and partially hydric soil units (Hamel, overwash Hamel complex) on the soil survey. A small, excavated channel flowed south from the road ditch and along the western side of the wetland, but was not visible once it entered the larger southern part of the wetland. Wetland 3 continued offsite to the south.

Wetland D was a sloped, Type 1 (PEM1Bf) farmed wet meadow wetland. Wetland D was saturated at the soil surface and contained scattered narrowleaf cattail but was otherwise bare ground.

The adjacent upland was an unplanted agricultural field with scattered vegetation including dandelion, chickweed, and shepherd's purse.

The wetland boundary corresponded to a transition from an upland to a hydrophytic plant community and the presence of surface hydrology. The top 8-10 inches of the soil were saturated and the area contained small pools of surface water. Wetland D was not identified on the NWI map and was located within mapped partially hydric soil unit (Hamel, overwash Hamel complex) on the soil survey. Wetland D is located within Area D of the Offsite Aerial Review (**Figure 7**).

4.3 Aerial Review for Offsite Hydrology Determinations

All available photos were assessed for wet/normal/dry climatic conditions using the Antecedent Precipitation Tool (APT), Version 3.07 (USACE). In addition, monthly precipitation

totals were reviewed based on data from the APT. Based on the results listed in **Table 4**, available aerial photographs from the five most recent and available normal-period photos (2025, 2023, 2022, 2021, and 2019) were used for the offsite hydrology review.

Table 4. Image Decision Matrix for Offsite Hydrology Review.

Date Taken	Date Used	Source	Climate Condition	Notes
"Early Spring"	5/1/2025	Henn. County	Normal	**Image used.**
"Early Spring"	5/1/2024	Henn. County	Normal	Used as reference photo (**Figure 7**).
5/26/2023	5/26/2023	Google Earth	Normal	**Image used.**
8/8/2022	8/8/2022	Google Earth	Normal	**Image used.**
"Early Spring"	5/1/2021	Henn. County	Normal	**Image used.**
7/30/2019	7/30/2019	FSA	Normal	**Image used.**

Four (4) areas showing a wet signature on the May 2024 Google Earth photo (most recent "wet" photo) were included in the review. The locations of ***Area A*** *through* ***Area D*** are shown on **Figure 7**. Photographs for each year of review and the Wetland Hydrology from Aerial Imagery - Recording Form are included in **Appendix D**. The results of the Offsite Aerial Review Decision Matrix are included in **Table 5**.

Table 5. Offsite Aerial Review Decision Matrix

Area	Mapped Hydric Soils Present	Identified on NWI?	Percent with wet signatures	Field Verification Required	Wetland?
A	Yes	No	0%	No	No
B	Yes	No	0%	No	No
C	No	No	0%	No	No
D	No	No	40%	Yes	Yes: Wetland D

Areas A and B exhibited wet signatures in 0% of the normal photos reviewed and did not require field verification per the Offsite Recording Form Decision Matrix. In the field, Areas A and B were located in an unplanted agricultural field and were dominated by dandelion, curly dock, common yarrow, field chickweed, common plantain, and shepherd's purse. Area A also contained scattered clumps of reed canary grass. Both Area A and B were located within a predominantly hydric soil unit (Cordova loam) but were not identified on the NWI. Area A contained a culvert that allowed water to drain off-site to the west. A datasheet for the sample point taken within Area A (**SP-A**) is included in **Appendix B**. *Area A and Area B were determined to be non-wetland based on the Offsite Recording Form Decision Matrix and absence of dominant wetland plants.*

Area C exhibited wet signatures in 0% of the normal photos reviewed and did not require field verification. In the field, the western part of Area C contained deep ruts with scattered reed

canary grass and narrow-leaved cattail, and the eastern portion contained shepherd's purse, curly dock, field chickweed, dandelion, and cinquefoil. Ultimately the western part of Area C was delineated as part of Wetland 2, which also included a segment of the roadside ditch within its boundary.

Datasheets for the sample points taken within Wetland 2/Area C (**SP2-1UP, SP2-1W**) are included in **Appendix B**. Area C was located within a partially hydric soil unit (Hamel, overwash Hamel complex) and was not identified on the NWI. The wetland boundary was based on the presence of hydric soil indicators, wetland plants, and observations of wetland signatures in normal precipitation photos.

Area D exhibited wet signatures in 40% of the normal photos reviewed and required field verification per the Offsite Recoding Form Decision Matrix. In the field, Area D was a narrow, sloped wetland that contained scattered narrow-leaf cattail. At the time of the site visit, water was observed coming out of the ground, standing pools of surface water located throughout Area D, and the top 8-12 inches of the soil profile was saturated. The adjacent upland was comprised of scattered wild strawberry plants, cinquefoil, common plantain, and yarrow. *Area D was determined to be wetland (**Wetland D**) based on the presence of hydric soil indicators, wetland hydrology indicators, and wetland plants.*

4.4 Other Areas

There was an area in the southeastern portion of the site that was identified on the NWI map as PFO1A. In the field, this area was steeply sloped (990 ft MSL to 974 ft MSL). The wooded area was dominated by black walnut, black cherry, American elm, and box elder trees with a shrub layer of dense buckthorn, black cherry, and high-bush cranberry. The herbaceous layer was comprised of Virginia waterleaf, gooseberry, sticky willy, and woodland violet. *This area was determined to be non-wetland based on the absence of wetland plants and hydrology indicators.*

No other depressional areas with hydrophytic vegetation or wetland hydrology were observed on the site. No other areas were shown as hydric soil on the soil survey or as wetland on the NWI map.

4.5 Request for Wetland Boundary and Jurisdictional Determination

Appendix A of this report includes a Joint Application Form for Activities Affecting Water Resources in Minnesota, which is submitted in a request for a wetland boundary and type concurrence approval from the City of Independence under the Minnesota Wetland Conservation Act (WCA).

5. CERTIFICATION OF DELINEATION

The procedures utilized in the described delineation are based on the U.S. Army Corps of Engineers 1987 Wetlands Delineation Manual as required under Section 404 of the Clean Water Act and the Minnesota Wetland Conservation Act. This wetland delineation and report were prepared in compliance with the regulatory standards in place at the time the work was performed.

Site boundaries indicated on figures within this report are approximate and do not constitute an official survey product.

Delineation completed by: Kat Dickerson, Wetland/Ecologist
Minnesota Certified Wetland Professional No. 1477

Report prepared by: Kat Dickerson, Wetland/Ecologist
Minnesota Certified Wetland Professional No. 1477

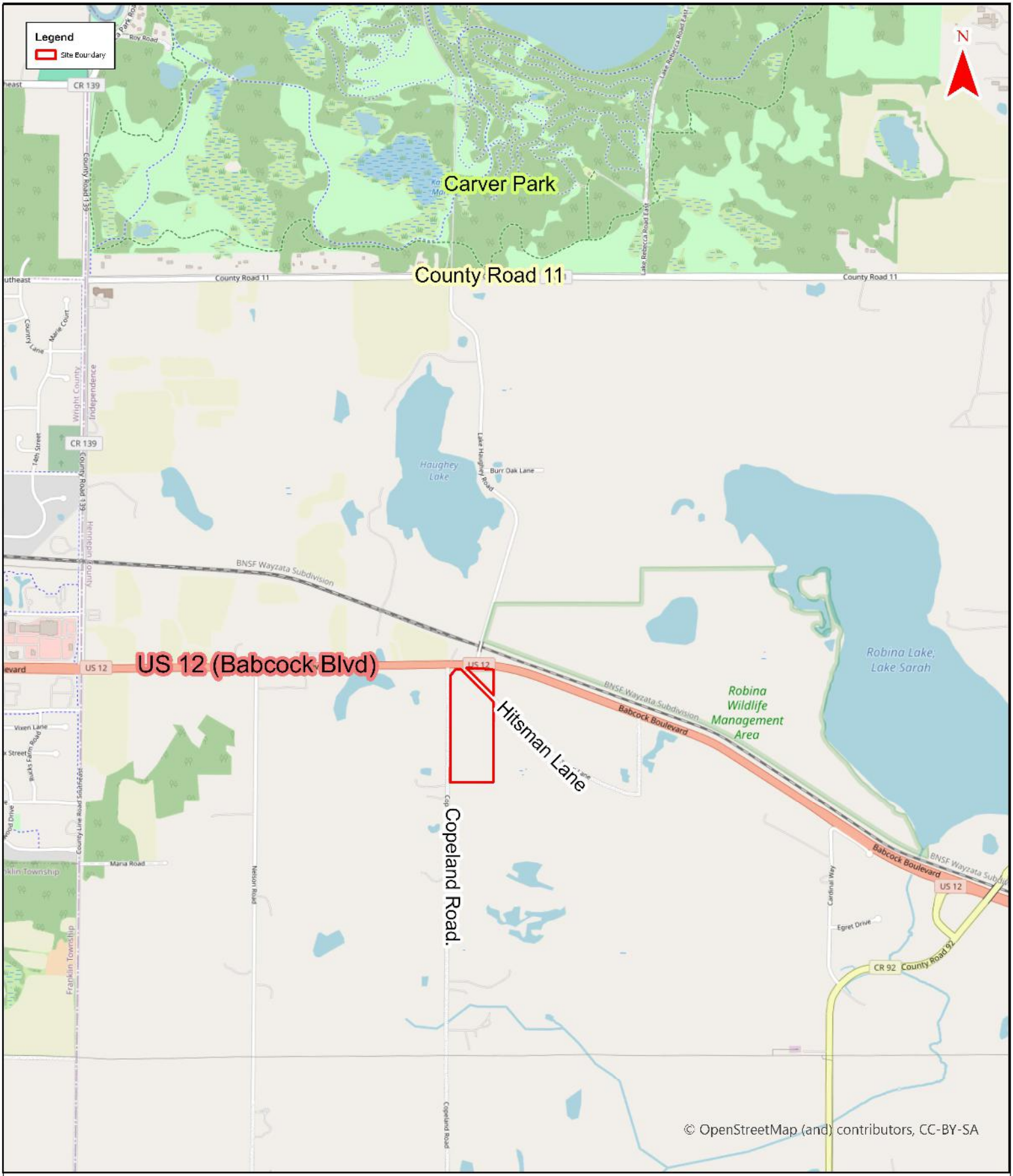
Report reviewed by: _____ Date: May 26, 2026

Kelly Kunst, Professional Wetland Scientist No. 1757
Minnesota Certified Wetland Professional No. 1114

8725 Hitsman Lane, Independence

Wetland Delineation Report

FIGURES



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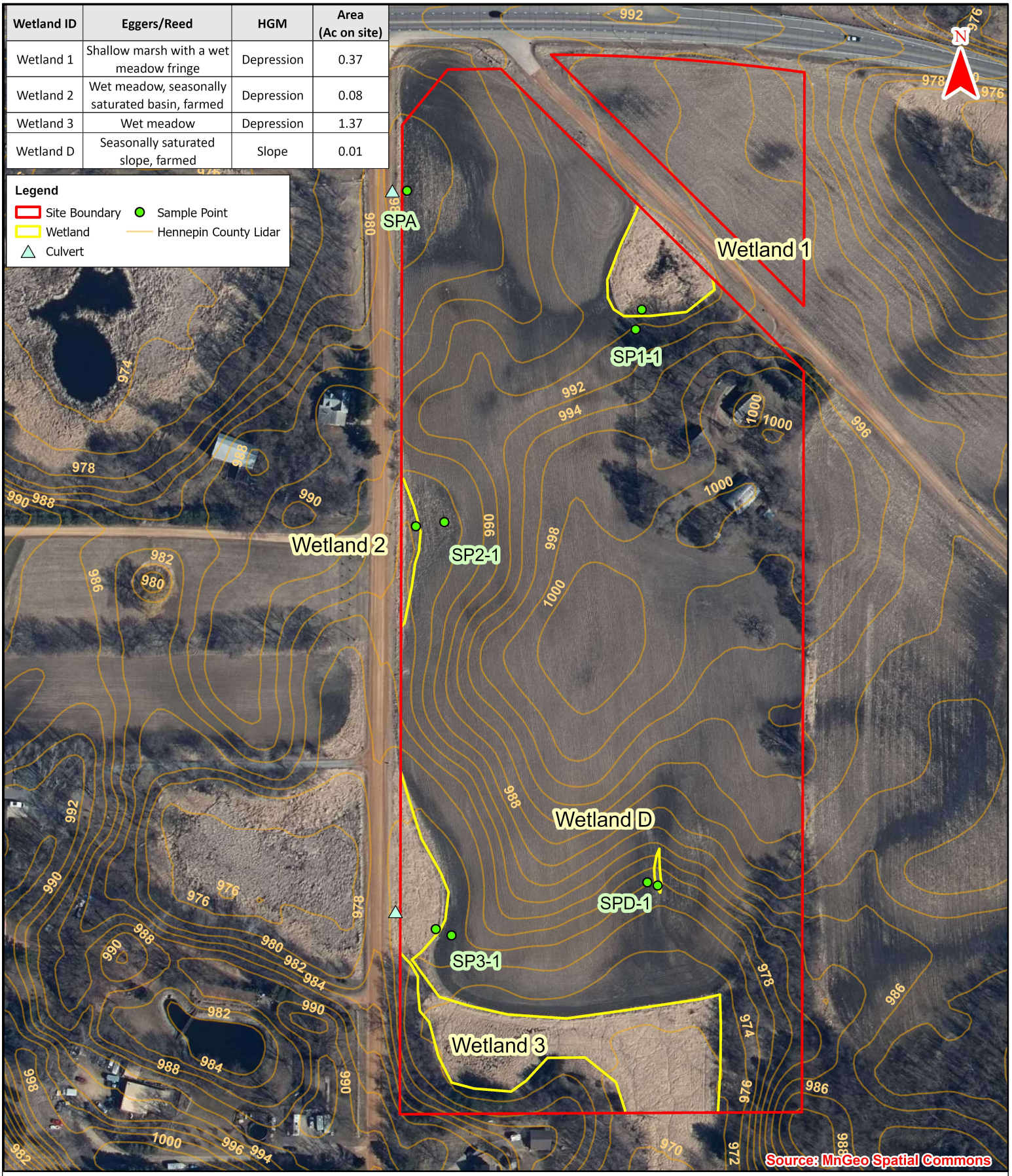
0 2,000 Feet

Figure 1 - Site Location

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

Wetland ID	Eggers/Reed	HGM	Area (Ac on site)
Wetland 1	Shallow marsh with a wet meadow fringe	Depression	0.37
Wetland 2	Wet meadow, seasonally saturated basin, farmed	Depression	0.08
Wetland 3	Wet meadow	Depression	1.37
Wetland D	Seasonally saturated slope, farmed	Slope	0.01



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0 100 Feet

Figure 2 - Existing Conditions (2025 Henn. County)

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

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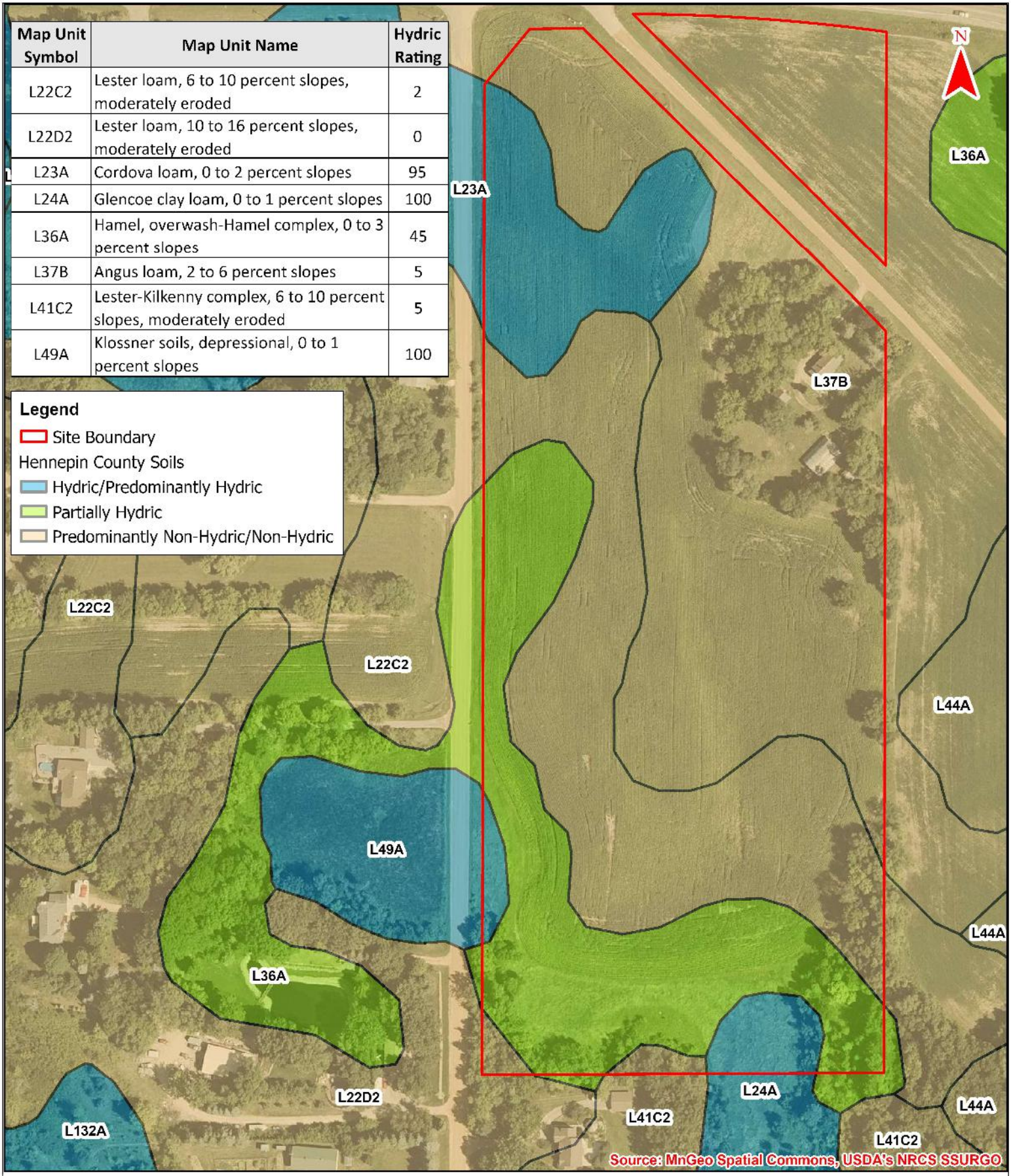
0 100 Feet

Figure 3 - MnDNR National Wetlands Inventory

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.



Map Unit Symbol	Map Unit Name	Hydric Rating
L22C2	Lester loam, 6 to 10 percent slopes, moderately eroded	2
L22D2	Lester loam, 10 to 16 percent slopes, moderately eroded	0
L23A	Cordova loam, 0 to 2 percent slopes	95
L24A	Glencoe clay loam, 0 to 1 percent slopes	100
L36A	Hamel, overwash-Hamel complex, 0 to 3 percent slopes	45
L37B	Angus loam, 2 to 6 percent slopes	5
L41C2	Lester-Kilkenny complex, 6 to 10 percent slopes, moderately eroded	5
L49A	Klossner soils, depressional, 0 to 1 percent slopes	100

Legend

Site Boundary

Hennepin County Soils

Hydric/Predominantly Hydric

Partially Hydric

Predominantly Non-Hydric/Non-Hydric

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0 100
Feet

Figure 4 - Soil Survey

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

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0 1,000 Feet

Figure 5 - DNR Public Waters Inventory

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

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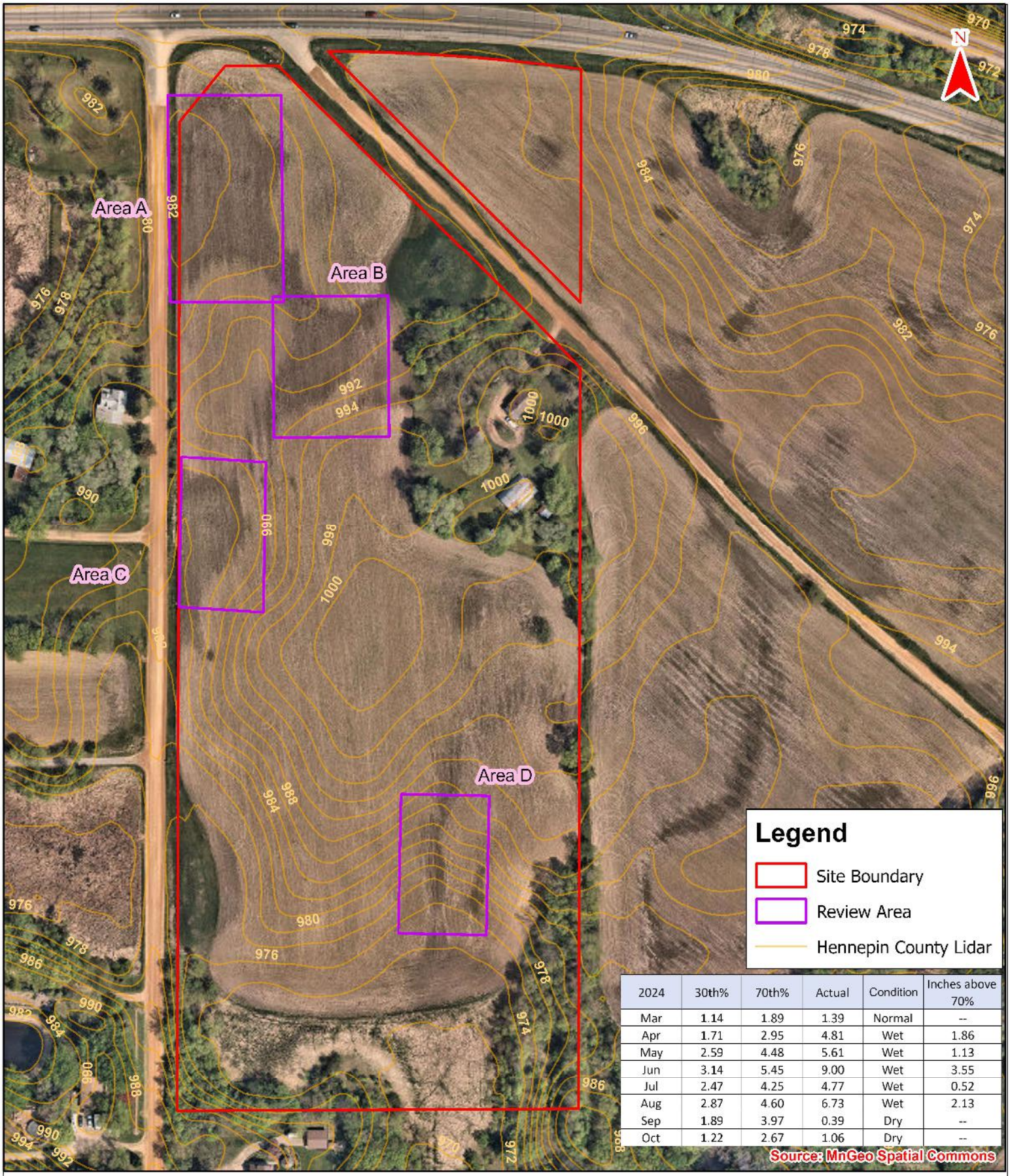
0 500 Feet

Figure 6 - National Hydrography Dataset

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.



2024	30th%	70th%	Actual	Condition	Inches above 70%
Mar	1.14	1.89	1.39	Normal	--
Apr	1.71	2.95	4.81	Wet	1.86
May	2.59	4.48	5.61	Wet	1.13
Jun	3.14	5.45	9.00	Wet	3.55
Jul	2.47	4.25	4.77	Wet	0.52
Aug	2.87	4.60	6.73	Wet	2.13
Sep	1.89	3.97	0.39	Dry	--
Oct	1.22	2.67	1.06	Dry	--

Source: MnGeo Spatial Commons

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An MNL Company

0 100 Feet

Figure 7 - Offsite Assessment Areas (5/1/2024, Henn. County, Normal)

6231 County Rd 11 (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

APPENDIX A

Joint Application Form for Activities Affecting Water Resources in Minnesota

PART ONE: Applicant Information

If applicant is an entity (company, government entity, partnership, etc.), an authorized contact person must be identified. If the applicant is using an agent (consultant, lawyer, or other third party) and has authorized them to act on their behalf, the agent's contact information must also be provided.

Applicant/Landowner Name: Dingman Custom Homes; c/o Dale Dingman
Mailing Address: 9010 90th Lane Greenfield MN 55373
Phone: 612-325-1687
E-mail Address: www.dingmancustomhomes.com

Authorized Contact (do not complete if same as above):
Mailing Address:
Phone:
E-mail Address:

Agent Name: Kjolhaug Environmental Services; c/o Kat Dickerson
Mailing Address: 2500 Shadywood Road Suite 130, Orono MN, 55331
Phone: 701-261-0541
E-mail Address: kat@kjolhaugenv.com

PART TWO: Site Location Information

County: Hennepin **City/Township: Independence**
Parcel ID and/or Address: 1711824220004
Legal Description (Section, Township, Range): 17, 118N, 24W
Lat/Long (decimal degrees): 45.033843, -93.746295
Attach a map showing the location of the site in relation to local streets, roads, highways.
Approximate size of site (acres) or if a linear project, length (feet): 19.65 acres

If you know that your proposal will require an individual Permit from the U.S. Army Corps of Engineers, you must provide the names and addresses of all property owners adjacent to the project site. This information may be provided by attaching a list to your application or by using block 25 of the Application for Department of the Army permit which can be obtained at:

http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RegulatoryDocs/engform_4345_2012oct.pdf

PART THREE: General Project/Site Information

If this application is related to a delineation approval, exemption determination, jurisdictional determination, or other correspondence submitted ***prior to*** this application then describe that here and provide the Corps of Engineers project number.

Describe the project that is being proposed, the project purpose and need, and schedule for implementation and completion. The project description must fully describe the nature and scope of the proposed activity including a description of all project elements that effect aquatic resources (wetland, lake, tributary, etc.) and must also include plans and cross section or profile drawings showing the location, character, and dimensions of all proposed activities and aquatic resource impacts.

Wetland Delineation concurrence/approval

PART FOUR: Aquatic Resource Impact[1] Summary

If your proposed project involves a direct or indirect impact to an aquatic resource (wetland, lake, tributary, etc.) identify each impact in the table below. Include all anticipated impacts, including those expected to be temporary. Attach an overhead view map, aerial photo, and/or drawing showing all of the aquatic resources in the project area and the location(s) of the proposed impacts. Label each aquatic resource on the map with a reference number or letter and identify the impacts in the following table.

Aquatic Resource ID (as noted on overhead view)	**Aquatic Resource Type** (wetland, lake, tributary etc.)	**Type of Impact** (fill, excavate, drain, or remove vegetation)	**Duration of Impact** Permanent (P) or Temporary (T)[1]	**Size of Impact**[2]	**Overall Size of Aquatic Resource** [3]	**Existing Plant Community Type(s)** in Impact Area[4]	**County, Major Watershed #, and Bank Service Area #** of Impact Area[5]

[1]If impacts are temporary; enter the duration of the impacts in days next to the "T". For example, a project with a temporary access fill that would be removed after 220 days would be entered "T (220)".
[2]Impacts less than 0.01 acre should be reported in square feet. Impacts 0.01 acre or greater should be reported as acres and rounded to the nearest 0.01 acre. Tributary impacts must be reported in linear feet of impact and an area of impact by indicating first the linear feet of impact along the flowline of the stream followed by the area impact in parentheses). For example, a project that impacts 50 feet of a stream that is 6 feet wide would be reported as 50 ft (300 square feet).
[3]This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".
[4]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[5]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

If any of the above identified impacts have already occurred, identify which impacts they are and the circumstances associated with each:

PART FIVE: Applicant Signature

☐ Check here if you are requesting a pre-application consultation with the Corps and LGU based on the information you have provided. Regulatory entities will not initiate a formal application review if this box is checked.

By signature below, I attest that the information in this application is complete and accurate. I further attest that I possess the authority to undertake the work described herein.

Signature: _____ Date: 5-19-2026

I hereby authorize Kjolhaug Environmental Services to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this application.

[1] **The term "impact" as used in this joint application form is a generic term used for disclosure purposes to identify activities that may require approval from one or more regulatory agencies. For purposes of this form it is not meant to indicate whether or not those activities may require mitigation/replacement.**

Attachment A
Request for Delineation Review, Wetland Type Determination, or Jurisdictional Determination

By submission of the enclosed wetland delineation report, I am requesting that the U.S. Army Corps of Engineers, St. Paul District (Corps) and/or the Wetland Conservation Act Local Government Unit (LGU) provide me with the following (check all that apply):

☒ **Wetland Type Confirmation**

☒ **Delineation Concurrence**. Concurrence with a delineation is a written notification from the Corps and a decision from the LGU concurring, not concurring, or commenting on the boundaries of the aquatic resources delineated on the property. Delineation concurrences are generally valid for five years unless site conditions change. Under this request alone, the Corps will not address the jurisdictional status of the aquatic resources on the property, only the boundaries of the resources within the review area (including wetlands, tributaries, lakes, etc.).

☐ **Preliminary Jurisdictional Determination**. A preliminary jurisdictional determination (PJD) is a non-binding written indication from the Corps that waters, including wetlands, identified on a parcel may be waters of the United States. For purposes of computation of impacts and compensatory mitigation requirements, a permit decision made on the basis of a PJD will treat all waters and wetlands in the review area as if they are jurisdictional waters of the U.S. PJDs are advisory in nature and may not be appealed.

☐ **Approved Jurisdictional Determination**. An approved jurisdictional determination (AJD) is an official Corps determination that jurisdictional waters of the United States are either present or absent on the property. AJDs can generally be relied upon by the affected party for five years. An AJD may be appealed through the Corps administrative appeal process.

In order for the Corps and LGU to process your request, the wetland delineation must be prepared in accordance with the 1987 Corps of Engineers Wetland Delineation Manual, any approved Regional Supplements to the 1987 Manual, and the *Guidelines for Submitting Wetland Delineations in Minnesota* (2013).
http://www.mvp.usace.army.mil/Missions/Regulatory/DelineationJDGuidance.aspx

APPENDIX B

Wetland Delineation Data Forms

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SP1-1UP
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Hillslope | Local relief (concave, convex, none): None
Slope (%): 0-2 | Lat: 45.034631 | Long: -93.746180 | Datum: WGS84
Soil Map Unit Name: Angus loam, 2 to 6 percent slopes | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No ✔	**Is the Sampled Area within a Wetland?** Yes ____ No ✔
Hydric Soil Present?	Yes ____	No ✔	
Wetland Hydrology Present?	Yes ____	No ✔	

Remarks:
Climatic conditions typical (normal) per USACE APT.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ulmus americana	20	Y	FACW
2. Pinus strobus	10	Y	FACU
3. Quercus alba	10	Y	FACU
4.			
5.			
	40.0	=Total Cover	

Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	

Herb Stratum (Plot size: 5' radius)			
1. Poa pratensis	80	Y	FAC
2. Viola hirsutula	10	N	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	90.0	=Total Cover	

Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	80	x 3 =	240
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	130 (A)		400.00 (B)

Prevalence Index = B/A = 3.08

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)

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

Hydrophytic Vegetation Present? Yes ____ No ✔

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

SOIL

Sampling Point: SP1-1UP

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/2	100					L	
12-24	10YR 5/2	90					CL	
12-24	10YR 3/2	10					CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ___ No ✔

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane City/County: Hennepin County Sampling Date: 2026-05-06

Applicant/Owner: Dingman State: Minnesota Sampling Point: SP1-1W

Investigator(s): Katherine Dickerson Section, Township, Range: sec 17 T118N R024W

Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.034806 Long: -93.746411 Datum: WGS84

Soil Map Unit Name: Cordova loam, 0 to 2 percent slopes NWI classification: PEM1A

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ✔	No ____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No ____**
Hydric Soil Present?	Yes ✔	No ____	
Wetland Hydrology Present?	Yes ✔	No ____	

Remarks:
Climatic conditions typical (normal) per USACE APT.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Phalaris arundinacea	100	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	100.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	100	x 2 =	200
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100 (A)		200.00 (B)

Prevalence Index = B/A = 2.0

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)

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

Hydrophytic Vegetation Present? **Yes ✔** **No ____**

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

SOIL

Sampling Point: SP1-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 2/1	100					L	
4-24	10YR 2/1	96	10YR 4/4	4	C	M	LFS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ✔ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ✔ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___	No ✔	Depth (inches): ___
Water Table Present?	Yes ✔	No ___	Depth (inches): 20
Saturation Present? (includes capillary fringe)	Yes ✔	No ___	Depth (inches): 16

Wetland Hydrology Present? **Yes** ✔ **No** ___

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

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SP2-1Up
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Hillslope | Local relief (concave, convex, none): None
Slope (%): 3-7 | Lat: 45.033770 | Long: -93.747422 | Datum: WGS84
Soil Map Unit Name: Hamel, overwash-Hamel complex, 0 to 3 percent slopes | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ✔, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ✔
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No ✔	**Is the Sampled Area within a Wetland?** Yes ____ No ✔
Hydric Soil Present?	Yes ✔	No ____	
Wetland Hydrology Present?	Yes ____	No ✔	

Remarks:
Climatic conditions typical (normal) per USACE APT. Agricultural field - Significantly disturbed vegetation, Not Normal Circumstances.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Berteroa incana	25	Y	UPL
2. Trifolium pratense	10	Y	FACU
3. Cerastium arvense	10	Y	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	45.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	20	x 4 =	80
UPL species	25	x 5 =	125
Column Totals:	45 (A)		205.00 (B)

Prevalence Index = B/A = 4.56

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)

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

Hydrophytic Vegetation Present? Yes ____ No ✔

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

SOIL

Sampling Point: SP2-1Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-24	10YR 3/2	80	10YR 4/6	20	C	M/PL	SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ✔ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SP2-1W
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Depression | Local relief (concave, convex, none): Concave
Slope (%): 0-2 | Lat: 45.033819 | Long: -93.747369 | Datum: WGS84
Soil Map Unit Name: Hamel, overwash-Hamel complex, 0 to 3 percent slopes | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ✔, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ✔
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ✔	No ____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No ____**
Hydric Soil Present?	Yes ✔	No ____	
Wetland Hydrology Present?	Yes ✔	No ____	

Remarks:
Climatic conditions typical (normal) per USACE APT. Agricultural field - Significantly disturbed vegetation, Not Normal Circumstances.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Potentilla norvegica	20	Y	FAC
2. Typha angustifolia	10	Y	OBL
3. Phalaris arundinacea	10	Y	FACW
4. Trifolium pratense	5	N	FACU
5. Taraxacum officinale	5	N	FACU
6.			
7.			
8.			
9.			
10.			
	50.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	10	x 1 =	10
FACW species	10	x 2 =	20
FAC species	20	x 3 =	60
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	50 (A)		130.00 (B)

Prevalence Index = B/A = 2.6

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)

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

Hydrophytic Vegetation Present? **Yes ✔** **No ____**

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

SOIL

Sampling Point: SP2-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/2	80	10YR 4/6	20	C	M	L	
6-24	10YR 2/2	70	10YR 4/6	30	C	M/PL	SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ✔ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ✔ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane City/County: Hennepin County Sampling Date: 2026-05-06

Applicant/Owner: Dingman State: Minnesota Sampling Point: SP3-1UP

Investigator(s): Katherine Dickerson Section, Township, Range: sec 17 T118N R024W

Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): None

Slope (%): 3-7 Lat: 45.032113 Long: -93.747182 Datum: WGS84

Soil Map Unit Name: Hamel, overwash-Hamel complex, 0 to 3 percent slopes NWI classification: None

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

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

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No ✔	**Is the Sampled Area within a Wetland?** Yes ____ No ✔
Hydric Soil Present?	Yes ____	No ✔	
Wetland Hydrology Present?	Yes ____	No ✔	

Remarks:
Climatic conditions typical (normal) per USACE APT. Agricultural field - Significantly disturbed vegetation, Not Normal Circumstances.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Stellaria media	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	5.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:

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

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	5 (A)		20.00 (B)

Prevalence Index = B/A = 4.0

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)

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

Hydrophytic Vegetation Present? Yes ____ No ✔

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

SOIL

Sampling Point: SP3-1UP

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 3/3	85	10YR 4/6	15	C	M	L	
8-24	10YR 3/2	80	10YR 5/8	20	C	M	CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** ✔

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SP3-1W
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Depression | Local relief (concave, convex, none): Concave
Slope (%): 0-2 | Lat: 45.032231 | Long: -93.747226 | Datum: WGS84
Soil Map Unit Name: Hamel, overwash-Hamel complex, 0 to 3 percent slopes | NWI classification: PEM1Ad
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ✔	No ____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No ____**
Hydric Soil Present?	Yes ✔	No ____	
Wetland Hydrology Present?	Yes ✔	No ____	

Remarks:
Climatic conditions typical (normal) per USACE APT.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Phalaris arundinacea	100	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	100.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	100	x 2 =	200
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100 (A)		200.00 (B)

Prevalence Index = B/A = 2.0

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)

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

Hydrophytic Vegetation Present? **Yes ✔** **No ____**

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

SOIL

Sampling Point: SP3-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 3/2	100					L	
4-18	10YR 2/2	90	10YR 4/4	10	C	M/PL	CL	
18-24	10YR 2/2	75	10YR 4/4	25	C	M	CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ✔ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ✔ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SPA
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Depression | Local relief (concave, convex, none): Concave
Slope (%): 0-2 | Lat: 45.035149 | Long: -93.747466 | Datum: WGS84
Soil Map Unit Name: Cordova loam, 0 to 2 percent slopes | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ✔, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ✔
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No ✔	**Is the Sampled Area within a Wetland?** Yes ____ No ✔
Hydric Soil Present?	Yes ____	No ✔	
Wetland Hydrology Present?	Yes ____	No ✔	

Remarks:
Climatic conditions typical (normal) per USACE APT. Agricultural field - Significantly disturbed vegetation, Not Normal Circumstances.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Phalaris arundinacea	30	Y	FACW
2. Capsella bursa-pastoris	25	Y	FACU
3. Cerastium arvense	20	Y	FACU
4. Plantago major	10	N	FAC
5. Rumex crispus	5	N	FAC
6.			
7.			
8.			
9.			
10.			
	90.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	15	x 3 =	45
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	90 (A)		285.00 (B)

Prevalence Index = B/A = 3.17

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)

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

Hydrophytic Vegetation Present? Yes ____ No ✔

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

SOIL

Sampling Point: SPA

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
0-24	10YR 2/2	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** ✔

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation was recorded in the two weeks prior to the site visit.

Remarks:

No free water or soil saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SPD-1UP
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Hillslope | Local relief (concave, convex, none): None
Slope (%): 0-2 | Lat: 45.032341 | Long: -93.746202 | Datum: WGS84
Soil Map Unit Name: Lester loam, 6 to 10 percent slopes, moderately eroded | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ✔, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ✔
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No ✔	**Is the Sampled Area within a Wetland?** Yes ____ No ✔
Hydric Soil Present?	Yes ✔	No ____	
Wetland Hydrology Present?	Yes ____	No ✔	

Remarks:
Climatic conditions typical (normal) per USACE APT. Agricultural field - Significantly disturbed vegetation, Not Normal Circumstances.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Capsella bursa-pastoris	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	5.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	5 (A)		20.00 (B)

Prevalence Index = B/A = 4.0

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)

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

Hydrophytic Vegetation Present? Yes ____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)
Disturbed vegetation in an agricultral field.

SOIL

Sampling Point: SPD-1UP

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR 4/1	85	10YR 4/6	15			CL	
14-24	10YR 3/2	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: ___

Depth (inches): ___

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

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:

0.96 inches of precipitation recorded in the two weeks prior to the site visit.

Remarks:

No free water or sail saturation within 24 inches of the soil surface.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
See ERDC/EL TR-10-16; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: 8725 Hitsman Lane | City/County: Hennepin County | Sampling Date: 2026-05-06
Applicant/Owner: Dingman | State: Minnesota | Sampling Point: SPD-1W
Investigator(s): Katherine Dickerson | Section, Township, Range: sec 17 T118N R024W
Landform (hillside, terrace, etc.): Hillslope | Local relief (concave, convex, none): Concave
Slope (%): 0-2 | Lat: 45.032404 | Long: -93.746017 | Datum: WGS84
Soil Map Unit Name: Lester loam, 6 to 10 percent slopes, moderately eroded | NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No ____ (If no, explain in Remarks.)
Are Vegetation ✔, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ✔
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ✔	No ____	**Is the Sampled Area within a Wetland?** Yes ✔ No ____
Hydric Soil Present?	Yes ✔	No ____	
Wetland Hydrology Present?	Yes ✔	No ____	

Remarks:
Climatic conditions typical (normal) per USACE APT. Agricultural field - Significantly disturbed vegetation, Not Normal Circumstances.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.			
2.			
3.			
4.			
5.			
	0	=Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. Typha angustifolia	15	Y	OBL
2. Potentilla simplex	5	Y	FACU
3. Equisetum arvense	5	Y	FAC
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	25.0	=Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.			
2.			
	0	=Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 66.67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	15	x 1 =	15
FACW species	0	x 2 =	0
FAC species	5	x 3 =	15
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	25 (A)		50.00 (B)

Prevalence Index = B/A = 2.0

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)

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

Hydrophytic Vegetation Present? Yes ✔ No ____

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

SOIL

Sampling Point: SPD-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1	87	10YR 4/6	8	C	M	L	
0-16			5G 6/1	5	D	M	L	
16-24	10Y 5/4	80	10YR 4/6	15	C	M	CL	
16-24			10YR 5/1	5	D	M	CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Iron-Manganese Masses (F12)
- ___ Red Parent Material (F21) Very
- ___ Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ 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)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ✔ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✔ Depth (inches): ___

Water Table Present? Yes ___ No ✔ Depth (inches): ___

Saturation Present? Yes ✔ No ___ Depth (inches): 0

(includes capillary fringe)

Wetland Hydrology Present? **Yes** ✔ **No** ___

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

0.96 inches of precipitation was recorded in the two weeks prior to the site visit

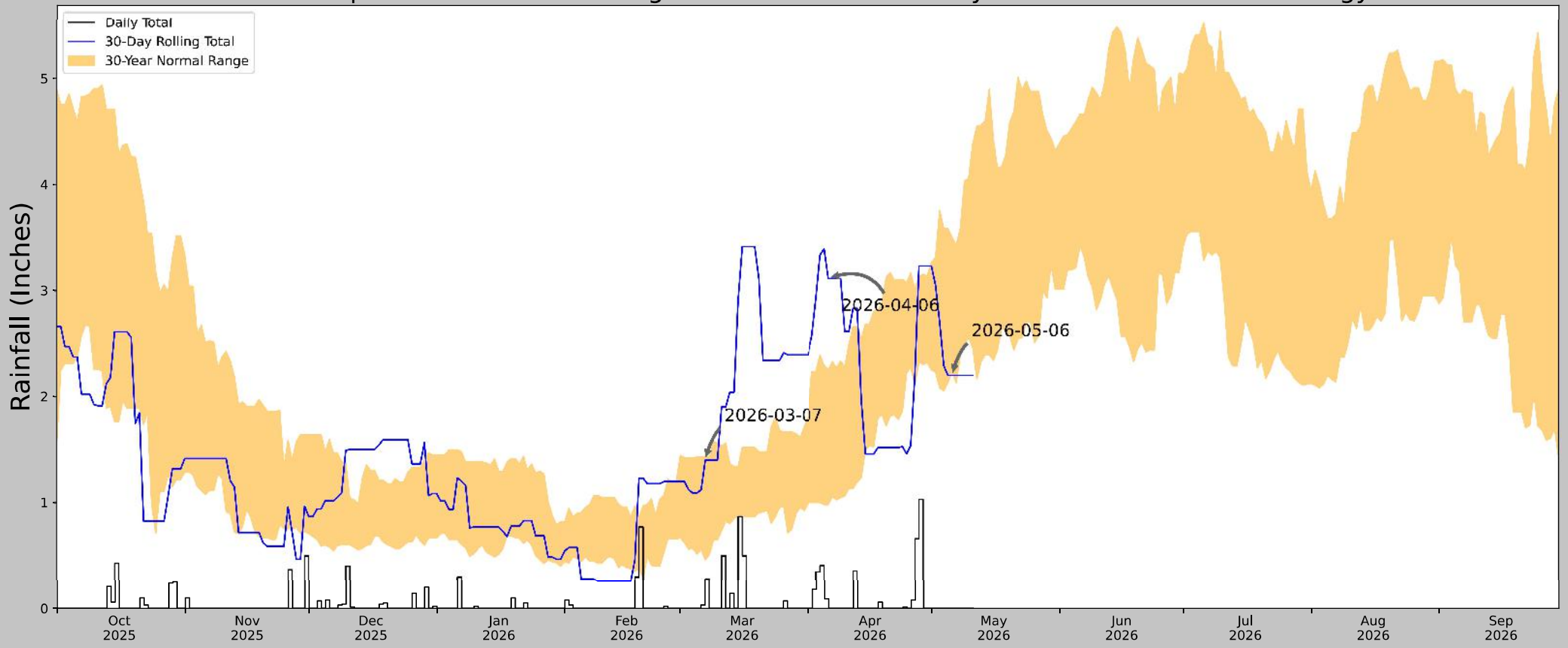
Remarks:

Ponded surface water. Soil was saturated to about 12-16 inches down.
Wetland signature present in 40% of normal climate photos reviewed (Area D)

APPENDIX C

Precipitation Data

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



Coordinates	45.03412, -93.7458
Observation Date	2026-05-06
Elevation (ft)	997.014
Drought Index (PDSI)	Moderate drought (2026-04)
WebWIMP H_2O Balance	Wet Season

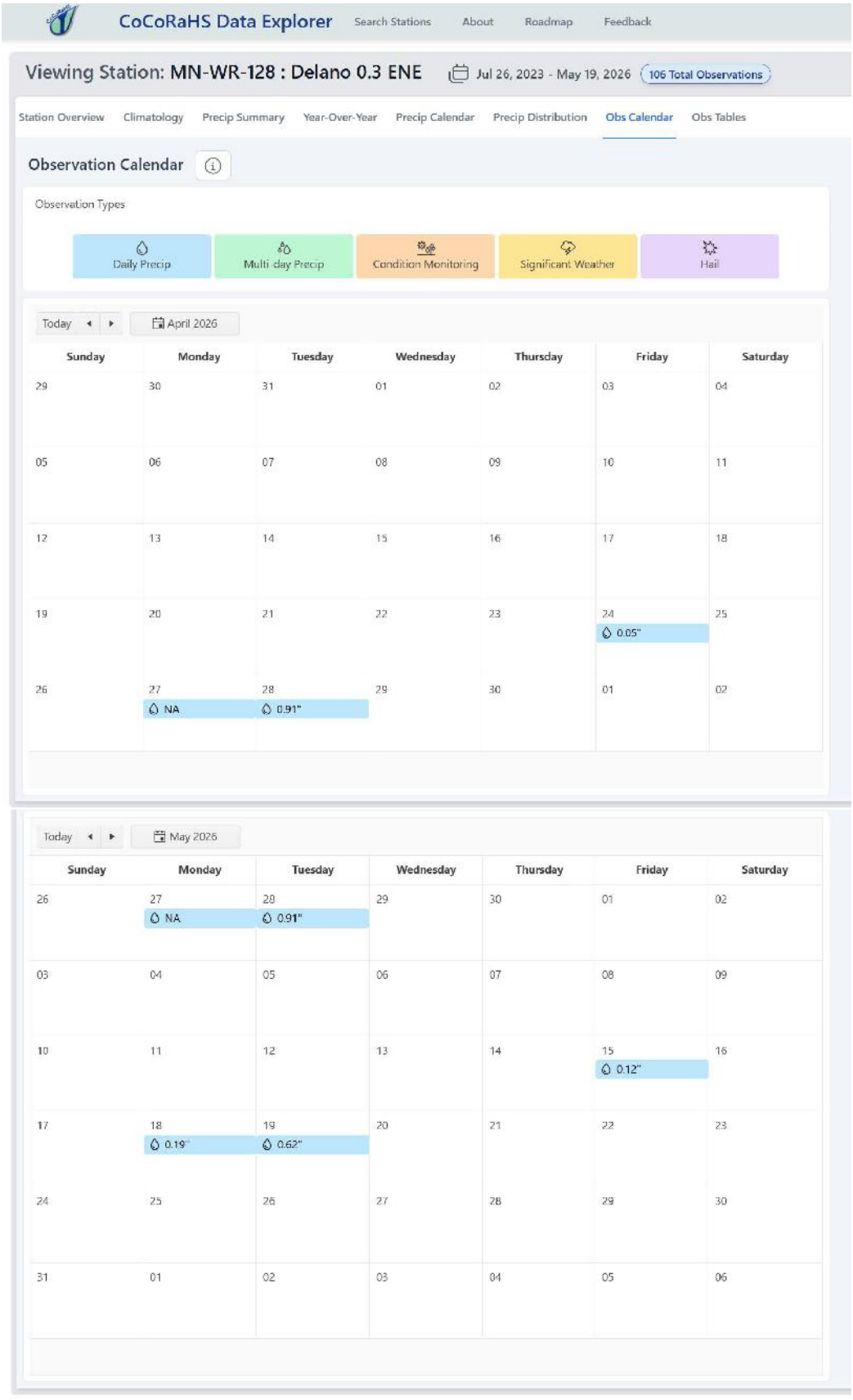
30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2026-05-06	2.235433	3.501181	2.200787	Dry	1	3	3
2026-04-06	0.982677	2.255118	3.114173	Wet	3	2	6
2026-03-07	0.462598	1.430315	1.401575	Normal	2	1	2
Result							Normal Conditions - 11

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

US Army Corps of Engineers.
ERDC

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
DELANO	45.0469, -93.7772	975.066	1.769	21.948	0.835	9167	87
MAPLE PLAIN 4.2 W	45.01, -93.7468	1018.045	2.95	42.979	1.454	91	3
ROCKFORD 1.2 WNW	45.0969, -93.7636	981.955	3.518	6.889	1.607	24	0
ROCKFORD	45.0897, -93.74	950.131	3.47	24.935	1.648	1773	0
ROCKFORD 0.5 NE	45.093, -93.7359	972.113	3.769	2.953	1.707	2	0
ROCKFORD 0.6 NE	45.0944, -93.7345	1009.843	3.887	34.777	1.884	157	0
BUFFALO 7.7 SE	45.1054, -93.7474	961.942	4.296	13.124	1.99	53	0
ROCKFORD 1.0 NE	45.1031, -93.7337	1043.963	4.425	68.897	2.296	56	0
WATERTOWN 0.5 NNW	44.9663, -93.8489	970.144	6.579	4.922	2.993	1	0
MOUND	44.95, -93.65	935.039	9.135	40.027	4.476	21	0
BUFFALO 2NE	45.1969, -93.84	992.126	10.807	17.06	5.048	8	0


CoCoRaHS Data Explorer
Search Stations
About
Roadmap
Feedback
Viewing Station: MN-WR-128 : Delano 0.3 ENE
Jul 26, 2023 - May 19, 2026
106 Total Observations
Station Overview
Climatology
Precip Summary
Year-Over-Year
Precip Calendar
Precip Distribution
Obs Calendar
Obs Tables
Observation Calendar
Observation Types
Daily Precip
Multi-day Precip
Condition Monitoring
Significant Weather
Hail
Today
April 2026
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
29
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31
01
02
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22
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24
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25
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NA
28
0.91"
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02
Today
May 2026
Sunday
Monday
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Wednesday
Thursday
Friday
Saturday
26
27
NA
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0.91"
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0.12"
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17
18
0.19"
19
0.62"
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APPENDIX D

Offsite Hydrology Review Recording Form and Aerial Photos

Exhibit 1 Field data sheet reference (if applicable):_____

Wetland Hydrology from Aerial Imagery – Recording Form

Project Name: Dingman-8725 Hitsman Ln **Date:** 5/13/2026 **County:** Hennepin
Investigator: K. Dickerson **Legal Description (S, T, R):** S: 17, T: 118N, R: 24W

Summary Table Below

Date Image Taken	Date Used	Image Source	Climate Condition (wet, dry, normal)	Image Interpretation(s)				
				Area A:	**Area B:**	**Area C:**	**Area D:**	**--**
"Early Spring"	5/1/2025	Henn. County	Normal	**NSS**	**NSS**	**NSS**	**SS**	**--**
				Leaf on. Assumed photo date.				
10/12/2025	10/12/2025	Google Earth	Normal	Used 5/1/2025 (Henn. County Photo) for 2025. Image not used.				
7/3/2025	7/3/2025	Google Earth	Normal	Used 5/1/2025 (Henn. County Photo) for 2025. Image not used.				
9/27/2024	9/27/2024	Google Earth	Normal	Wet year-April (1.86), May (1.13), June (3.55), July (0.52) and Aug (2.132) all over the 70th percentile. Spring 2024 photo used as **Figure 7.**				
"Early Spring"	5/1/2024	Henn. County	Normal	Leaf on. Assumed photo date. April-1.86" of precipitation over the 70th percentile. Used as **Figure 7**.				
7/31/2023	7/31/2023	FSA	Dry	Not normal conditions. Image not used.				
5/26/2023	5/26/2023	Google Earth	Normal	**NSS**	**NSS**	**NSS**	**NSS**	**--**
				April was 2.44" above the 70th percentile				
"Early Spring"	4/1/2023	Henn. County	Wet	Leaf off-prior to growing season. Assumed photo date. Not normal conditions Image not used.				
8/8/2022	8/8/2022	Google Earth	Normal	**NV**	**NV**	**NV**	**CS**	--
"Early Spring"	4/1/2022	Henn. County	Normal	Leaf off-prior to growing season. Assumed photo date. Image not used.				
6/18/2021	6/18/2021	FSA	Dry	Not normal conditions. Image not used.				
"Early Spring"	5/1/2021	Henn. County	Normal	**NV**	**NV**	**NV**	**NV**	--
				Leaf on. Assumed photo date.				
2/13/2021	2/13/2021	Google Earth	Wet	Snow present – not in growing season. Not normal conditions. Image not used.				
4/18/2020	4/18/2020	Google Earth	Normal	Leaf off-prior to growing season. Image not used.				
"April 4th, 5th, and 10th"	4/5/2020	Twin Cities Metro	Normal	Leaf off-prior to growing season. Assumed photo date. Image not used.				
"Early Spring"	4/1/2020	Henn. County	Normal	Leaf off-prior to growing season. Assumed photo date. Image not used.				
3/16/2020	3/16/2020	Google Earth	Normal	Snow present - outside of the growing season. Image not used.				
7/30/2019	7/30/2019	FSA	Normal	**NV**	**NV**	**NV**	**NV**	
5/14/2018	5/14/2018	Google Earth	Dry	Not normal conditions. Image not used.				
"Early Spring"	4/15/2018	Henn. County	Wet	Leaf on. Assumed photo date. Not Normal Conditions. Image not used.				
8/23/2017	8/23/2017	FSA	Dry	Not normal conditions. Image not used.				
5/12/2017	5/12/2017	Google Earth	Normal	Used more recent aerial photo. Image not included.				
"April 9th, 12th, 13th, 15th, 22nd"	4/19/2017	Twin Cities Metro	Dry	Not normal conditions. Image not used.				
4/5/2017	4/5/2017	Google Earth	Dry	Leaf off, prior to growing season. Not normal conditions. Image not used.				
6/10/2016	6/10/2016	Google Earth	Normal	Used more recent aerial photo. Image not included.				
9/27/2015	9/27/2015	FSA	Normal	Used more recent aerial photo. Image not included.				
"Early Spring"	4/1/2015	Henn. County	Dry	Leaf off, prior to growing season. Assumed photo date. Not normal conditions. Image not used.				
712/2013	7/12/2013	FSA	Wet	Not normal conditions. Image not used.				
9/23/2013	9/23/2013	Google Earth	Dry	Not normal conditions. Image not used.				
Number of normal years				5	5	5	5	--
Number with wet signatures				0	0	0	2	--
Percent with wet signatures				0%	0%	0%	40%	--

Exhibit 1 Field data sheet reference (if applicable):_____

Wetland Determination from Aerial Imagery – Recording Form

Project Name: Ryan Wyard Tech Park **Date:** 3/13/2026 **County:** Hennepin

Investigator: K. Dickerson **Legal Description (S, T, R):** S: 5, T: 119N, R: 22W

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:	Washout – Apparent Erosion – Farming Practice Feature (FP) WO - washout	

Use the Decision Matrix below to complete Table 1.

Hydric Soils present[1]	Identified on NWI or other wetland map[2]	Percent with wet signatures	Field verification required[3]	Wetland?
Yes	Yes	>50%	No	Yes
Yes	Yes	30-50%	No	Yes
Yes	Yes	<30%	Yes	Yes, if other hydrology indicators present
Yes	No	>50%	No	Yes
Yes	No	30-50%	Yes	Yes, if other hydrology indicators present
Yes	No	<30%	No	No
No	Yes	>50%	No	Yes
No	Yes	30-50%	No	Yes
No	Yes	<30%	No	No
No	No	>50%	Yes	Yes, if other hydrology indicators present
No	No	30-50%	Yes	Yes, if other hydrology indicators present
No	No	<30%	No	No

[1] The presence of hydric soils can be determined from the "Hydric Rating by Map Unit Feature" under "Land Classifications" from the Web Soil Survey. "Not Hydric" is the only category considered to not have hydric soils. Field sampling for the presence/absence of hydric soil indicators can be used in lieu of the hydric rating if appropriately documented by providing completed field data sheets.

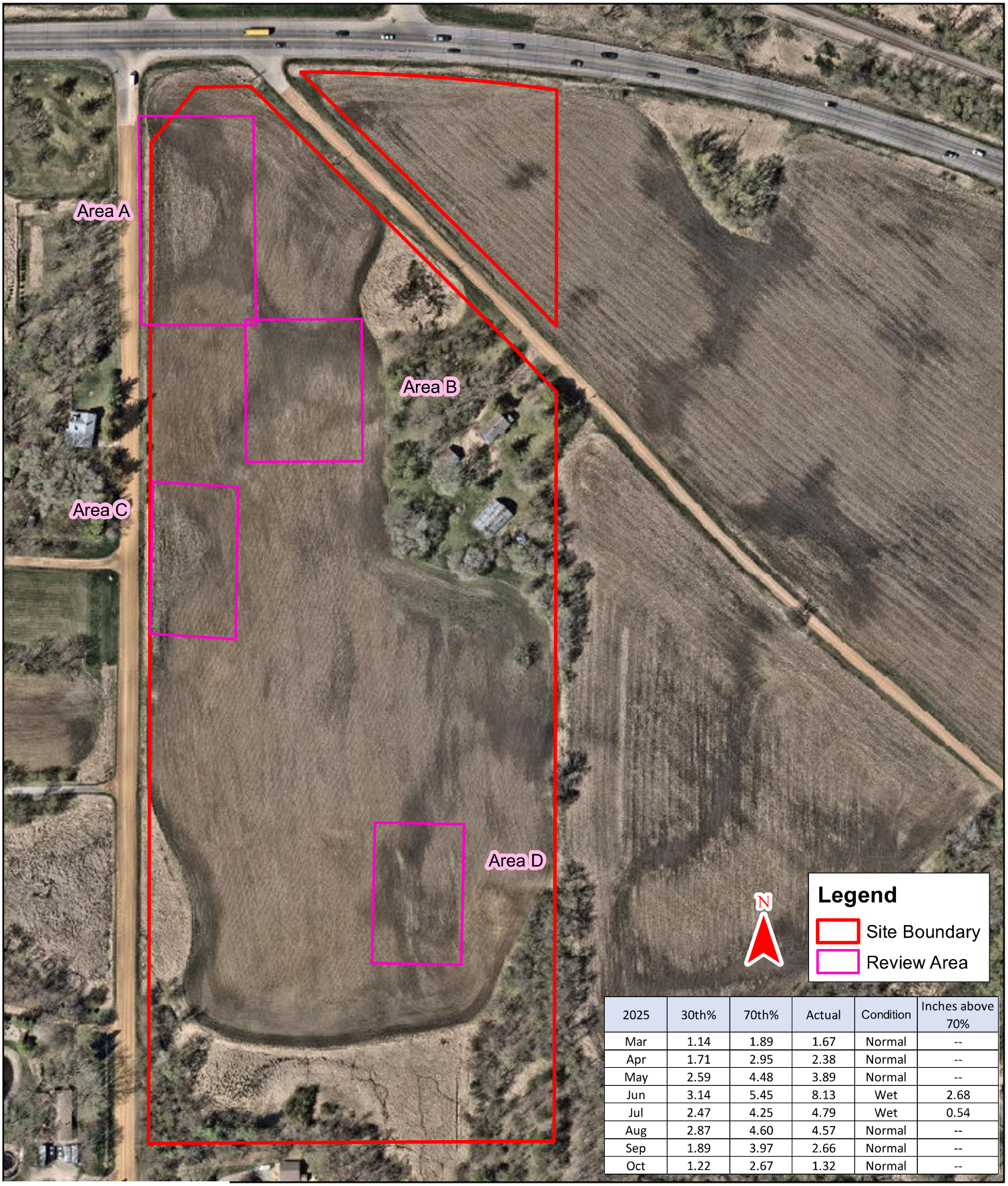
[2] At minimum, the most updated NWI data available for the area must be reviewed for this step. Any and all other local or regional wetland maps that are publicly available should be reviewed.

[3] Area should be reviewed in the field for the presence/absence of wetland hydrology indicators per the applicable 87 Manual Regional Supplement, including the D2 indicator (geomorphic position).

Table 1.

Area	Hydric Soils Present	Identified on NWI or other wetland map	Percent with wet signatures	Field Verification Required	Wetland?
A	Yes	No	0%	No	Non-wetland per the Offsite Aerial Review Form
B	Yes	No	0%	No	Non-wetland per the Offsite Aerial Review Form
C	No	No	0%	No	Non-wetland per the Offsite Aerial Review Form
D	No	No	40%	Yes	Yes, Wetland D

[1] Answer "N/A" if field verification is not required and was not conducted



2025	30th%	70th%	Actual	Condition	Inches above 70%
Mar	1.14	1.89	1.67	Normal	--
Apr	1.71	2.95	2.38	Normal	--
May	2.59	4.48	3.89	Normal	--
Jun	3.14	5.45	8.13	Wet	2.68
Jul	2.47	4.25	4.79	Wet	0.54
Aug	2.87	4.60	4.57	Normal	--
Sep	1.89	3.97	2.66	Normal	--
Oct	1.22	2.67	1.32	Normal	--

KJOLHAUG ENVIRONMENTAL
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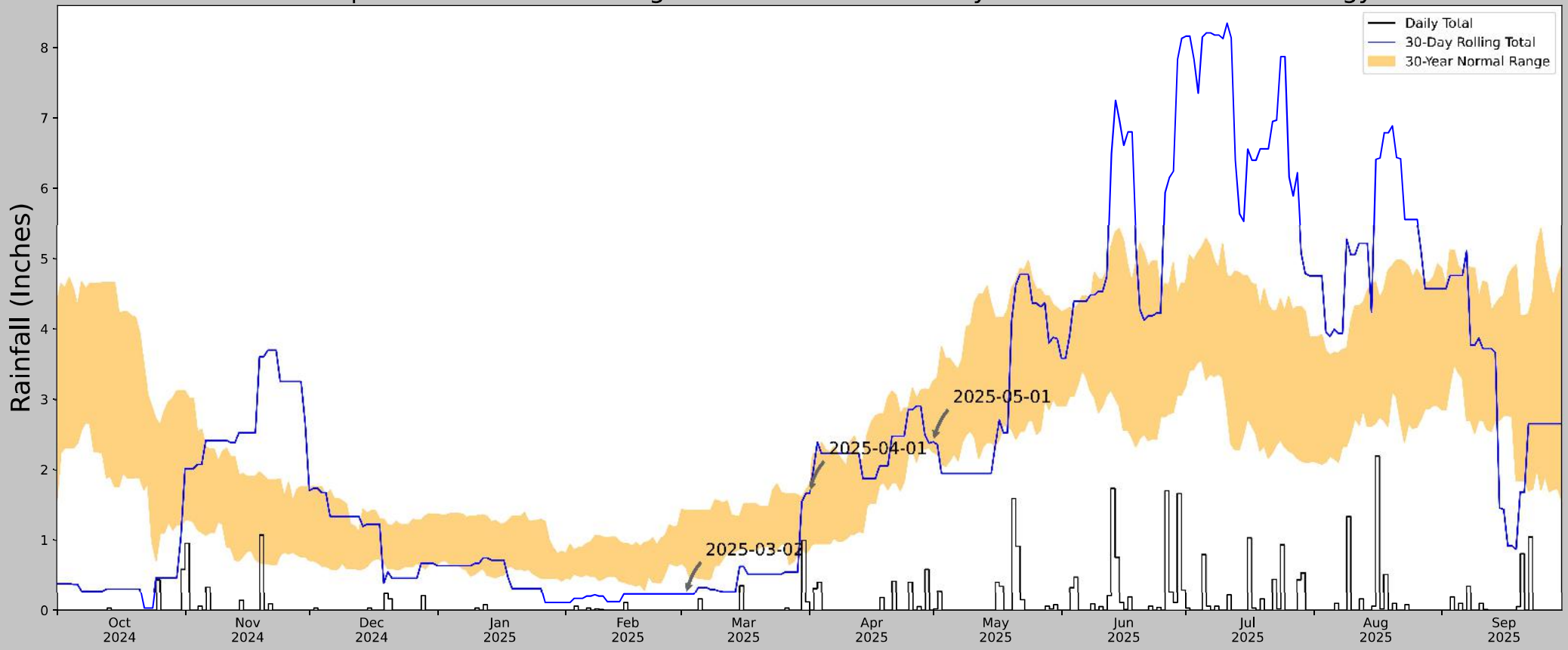
0 100 Feet

5/1/2025, Henn. County, Normal

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

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



Coordinates	45.03412, -93.7458
Observation Date	2025-05-01
Elevation (ft)	997.014
Drought Index (PDSI)	Mild drought
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-01	2.252756	3.264961	2.401575	Normal	2	3	6
2025-04-01	0.894488	1.809843	1.669291	Normal	2	2	4
2025-03-02	0.624016	1.424409	0.232283	Dry	1	1	1
Result							Normal Conditions - 11

Figures and tables made by the
Antecedent Precipitation Tool
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ERDC

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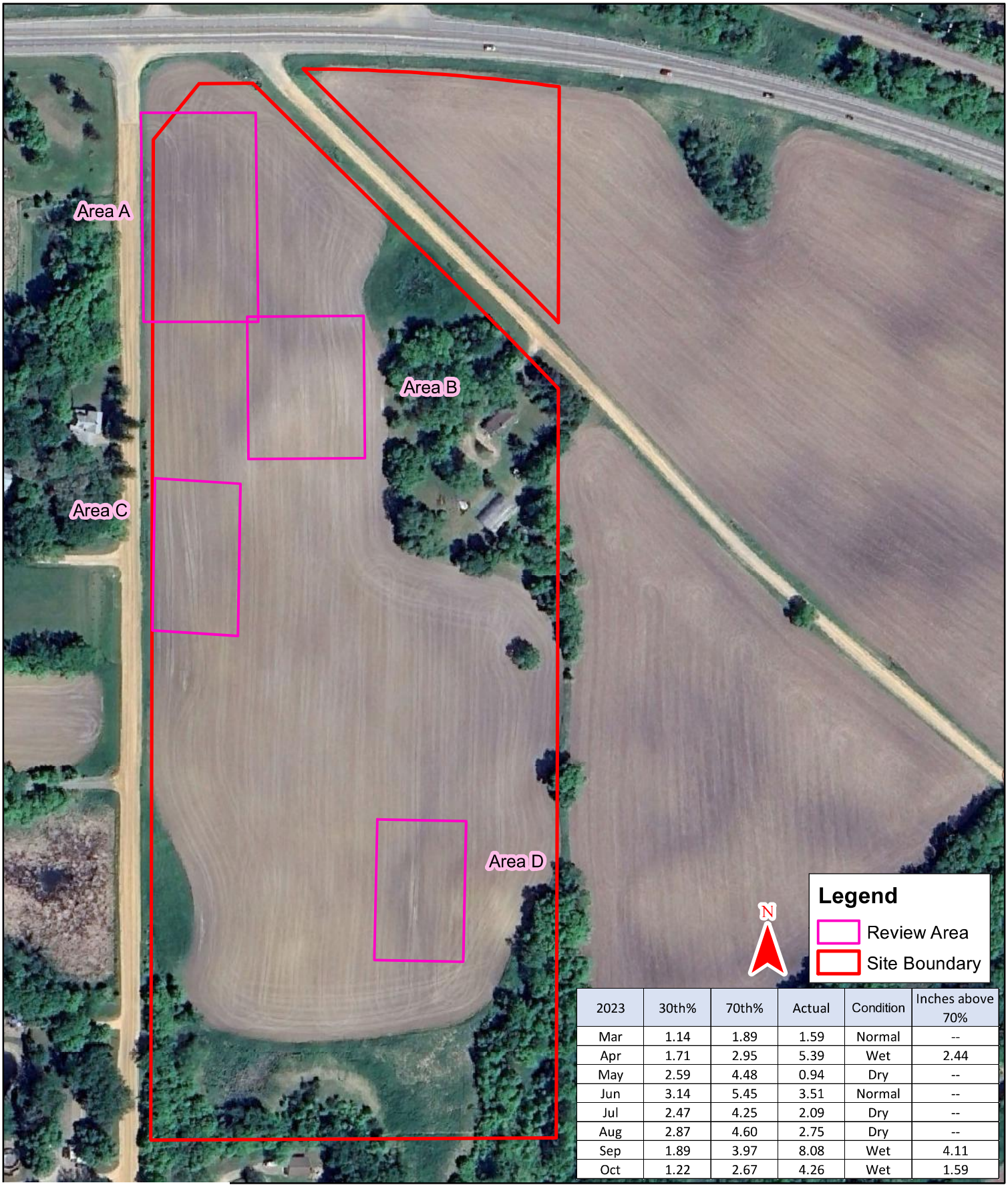
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
DELANO	45.0469, -93.7772	975.066	1.769	21.948	0.835	9126	87
MAPLE PLAIN 4.2 W	45.01, -93.7468	1018.045	2.95	42.979	1.454	83	3
ROCKFORD 1.2 WNW	45.0969, -93.7636	981.955	3.518	6.889	1.607	24	0
ROCKFORD	45.0897, -93.74	950.131	3.47	24.935	1.648	1822	0
ROCKFORD 0.5 NE	45.093, -93.7359	972.113	3.769	2.953	1.707	2	0
ROCKFORD 0.6 NE	45.0944, -93.7345	1009.843	3.887	34.777	1.884	157	0
BUFFALO 7.7 SE	45.1054, -93.7474	961.942	4.296	13.124	1.99	53	0
ROCKFORD 1.0 NE	45.1031, -93.7337	1043.963	4.425	68.897	2.296	56	0
WATERTOWN 0.5 NNW	44.9663, -93.8489	970.144	6.579	4.922	2.993	1	0
MOUND	44.95, -93.65	935.039	9.135	40.027	4.476	21	0
BUFFALO 2NE	45.1969, -93.84	992.126	10.807	17.06	5.048	8	0



2023	30th%	70th%	Actual	Condition	Inches above 70%
Mar	1.14	1.89	1.59	Normal	--
Apr	1.71	2.95	5.39	Wet	2.44
May	2.59	4.48	0.94	Dry	--
Jun	3.14	5.45	3.51	Normal	--
Jul	2.47	4.25	2.09	Dry	--
Aug	2.87	4.60	2.75	Dry	--
Sep	1.89	3.97	8.08	Wet	4.11
Oct	1.22	2.67	4.26	Wet	1.59

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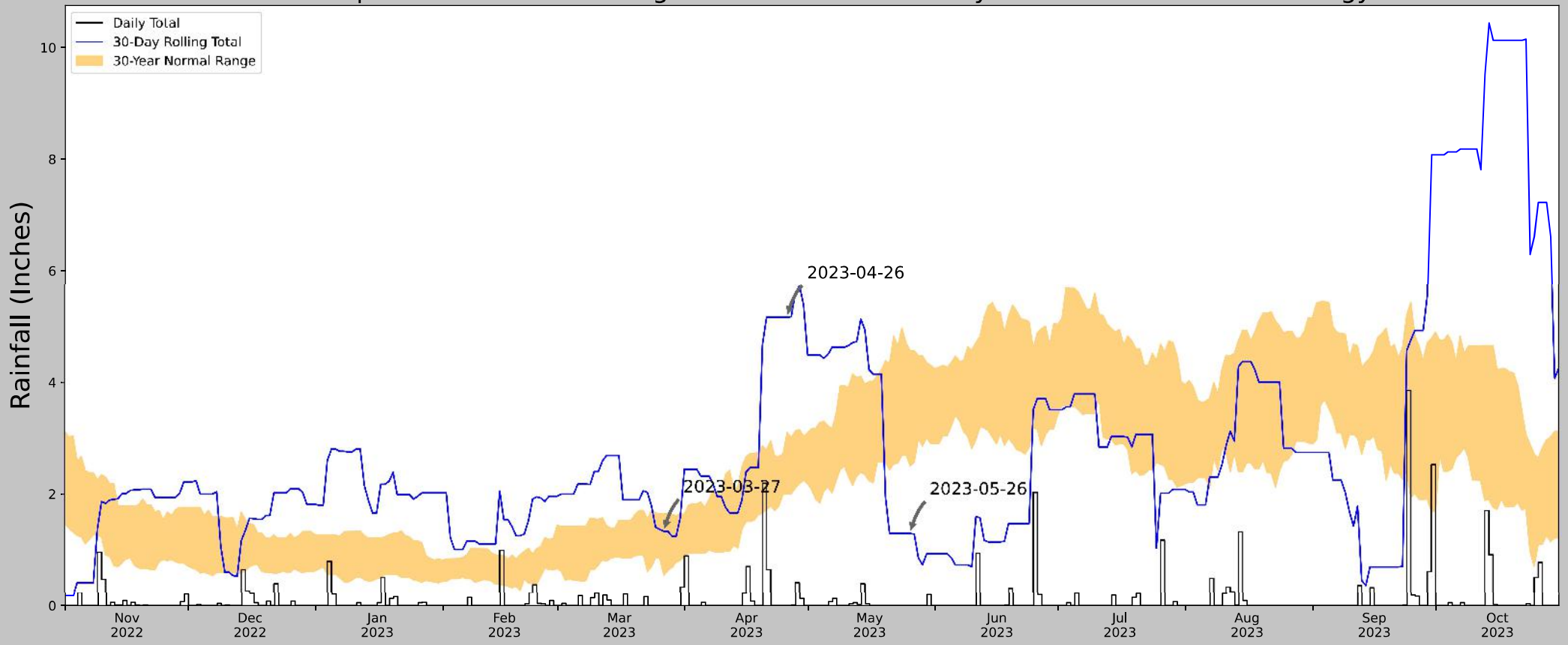
0 100 Feet

5/26/2023, Google Earth, Normal

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

Note: Boundaries indicated on this figure are approximate and do not constitute an official survey product.

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



Coordinates	45.03412, -93.7458
Observation Date	2023-05-26
Elevation (ft)	997.014
Drought Index (PDSI)	Mild drought
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-05-26	2.509843	4.569291	1.299213	Dry	1	3	3
2023-04-26	2.0	3.105906	5.165354	Wet	3	2	6
2023-03-27	0.552756	1.654331	1.338583	Normal	2	1	2
Result							Normal Conditions - 11

Figures and tables made by the Antecedent Precipitation Tool Version 3.0

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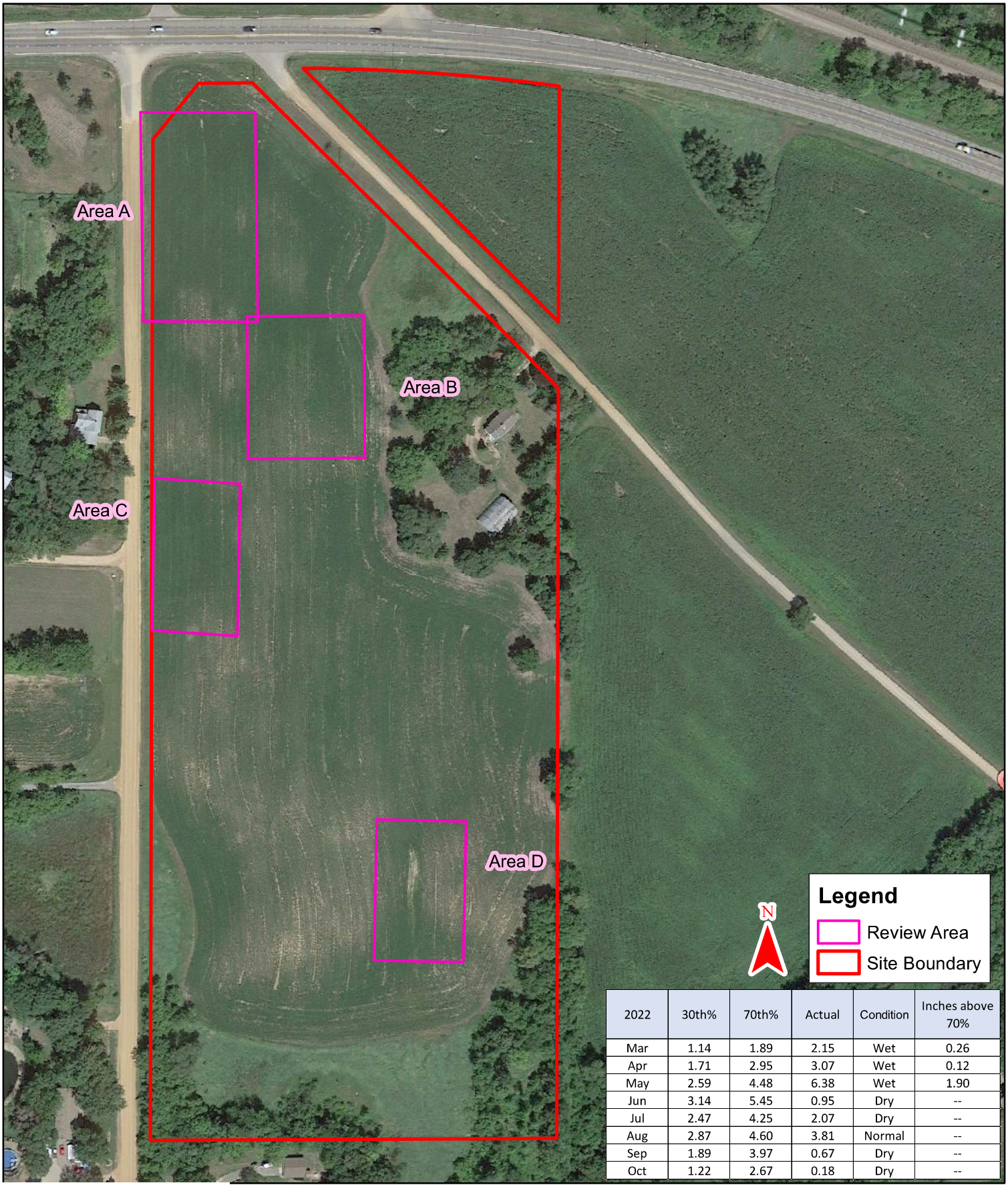
U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
DELANO	45.0469, -93.7772	975.066	1.769	21.948	0.835	9139	71
MAPLE PLAIN 4.2 W	45.01, -93.7468	1018.045	2.95	42.979	1.454	0	11
ROCKFORD 1.2 WNW	45.0969, -93.7636	981.955	3.518	6.889	1.607	24	0
ROCKFORD	45.0897, -93.74	950.131	3.47	24.935	1.648	1934	0
ROCKFORD 0.5 NE	45.093, -93.7359	972.113	3.769	2.953	1.707	2	0
ROCKFORD 0.6 NE	45.0944, -93.7345	1009.843	3.887	34.777	1.884	130	3
BUFFALO 7.7 SE	45.1054, -93.7474	961.942	4.296	13.124	1.99	41	0
ROCKFORD 1.0 NE	45.1031, -93.7337	1043.963	4.425	68.897	2.296	44	5
WATERTOWN 0.5 NNW	44.9663, -93.8489	970.144	6.579	4.922	2.993	1	0
MOUND	44.95, -93.65	935.039	9.135	40.027	4.476	30	0
BUFFALO 2NE	45.1969, -93.84	992.126	10.807	17.06	5.048	8	0



2022	30th%	70th%	Actual	Condition	Inches above 70%
Mar	1.14	1.89	2.15	Wet	0.26
Apr	1.71	2.95	3.07	Wet	0.12
May	2.59	4.48	6.38	Wet	1.90
Jun	3.14	5.45	0.95	Dry	--
Jul	2.47	4.25	2.07	Dry	--
Aug	2.87	4.60	3.81	Normal	--
Sep	1.89	3.97	0.67	Dry	--
Oct	1.22	2.67	0.18	Dry	--

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0 200 Feet

8/8/2022, Google Earth, Normal

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

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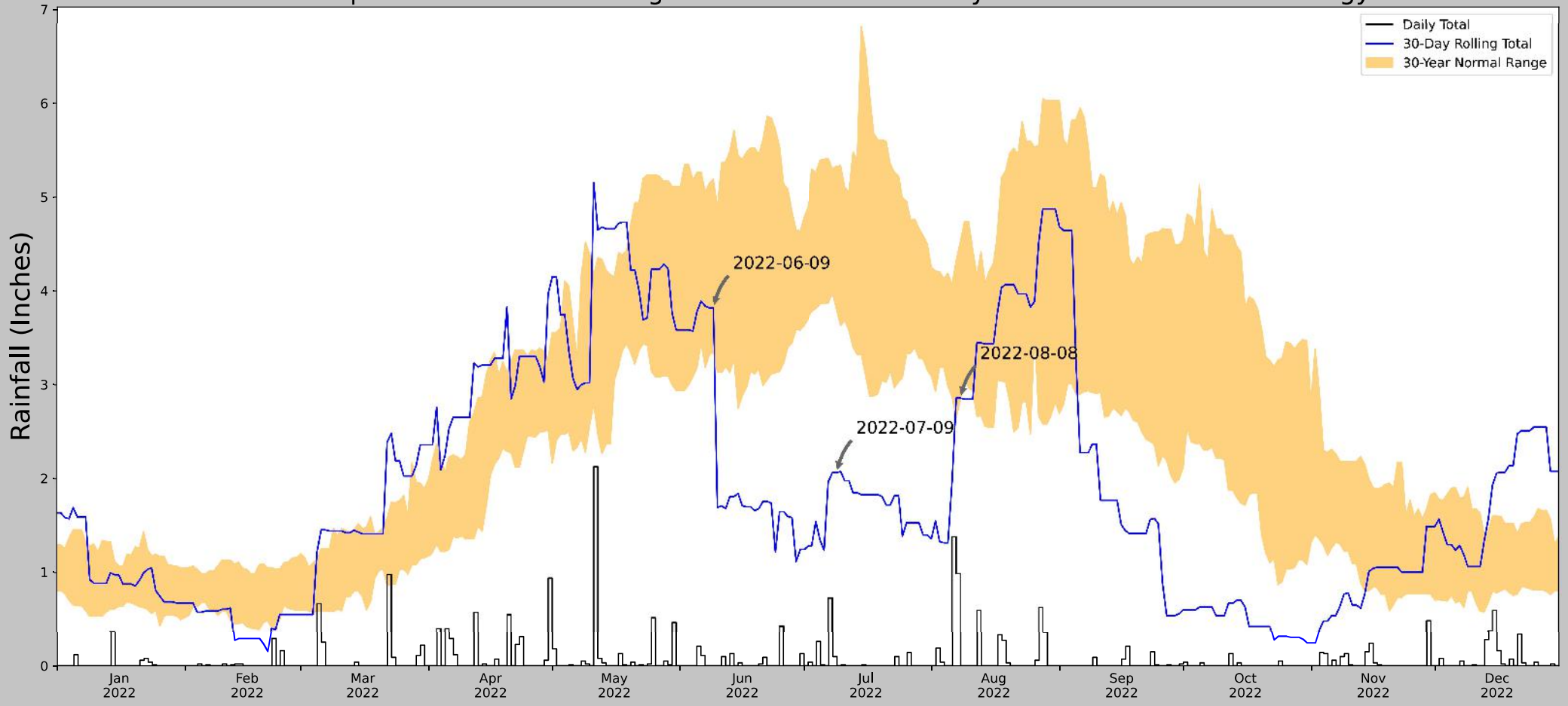
Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	45.03412, -93.7458
Observation Date	2022-08-08
Elevation (ft)	997.014
Drought Index (PDSI)	Mild drought
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2022-08-08	2.841732	4.527559	2.862205	Normal	2	3	6
2022-07-09	3.807087	5.333071	2.066929	Dry	1	2	2
2022-06-09	3.355118	5.198425	3.822835	Normal	2	1	2
Result							Normal Conditions - 10

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ERDC

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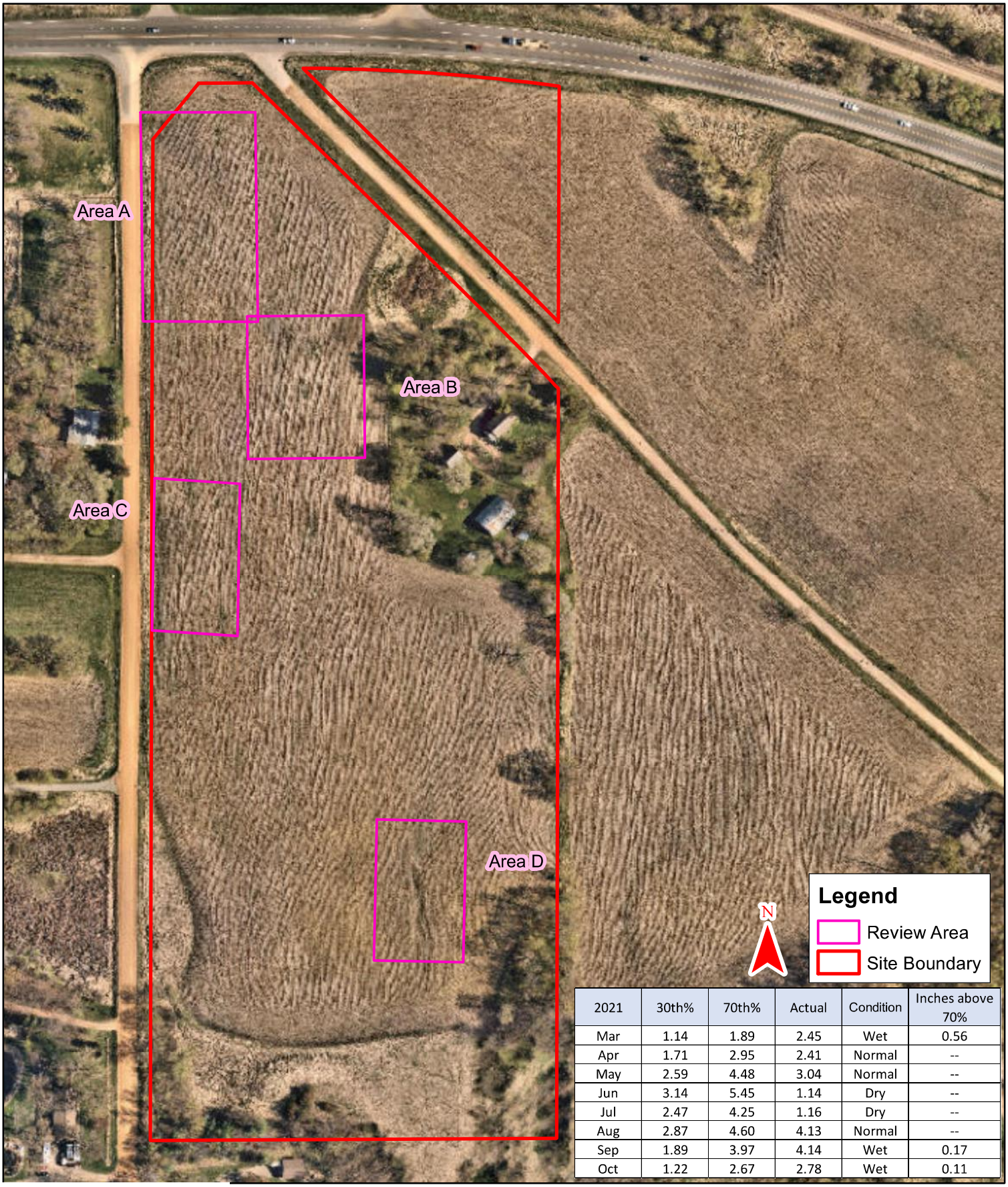
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHANHASSEN WSFO	44.8497, -93.5644	945.866	15.526	51.148	7.781	9404	90
CHASKA	44.8, -93.5833	720.144	3.557	225.722	2.404	1942	0
MOUND	44.95, -93.65	935.039	8.098	10.827	3.732	7	0



2021	30th%	70th%	Actual	Condition	Inches above 70%
Mar	1.14	1.89	2.45	Wet	0.56
Apr	1.71	2.95	2.41	Normal	--
May	2.59	4.48	3.04	Normal	--
Jun	3.14	5.45	1.14	Dry	--
Jul	2.47	4.25	1.16	Dry	--
Aug	2.87	4.60	4.13	Normal	--
Sep	1.89	3.97	4.14	Wet	0.17
Oct	1.22	2.67	2.78	Wet	0.11

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0 100 Feet

5/1/2021, Henn. County, Normal

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

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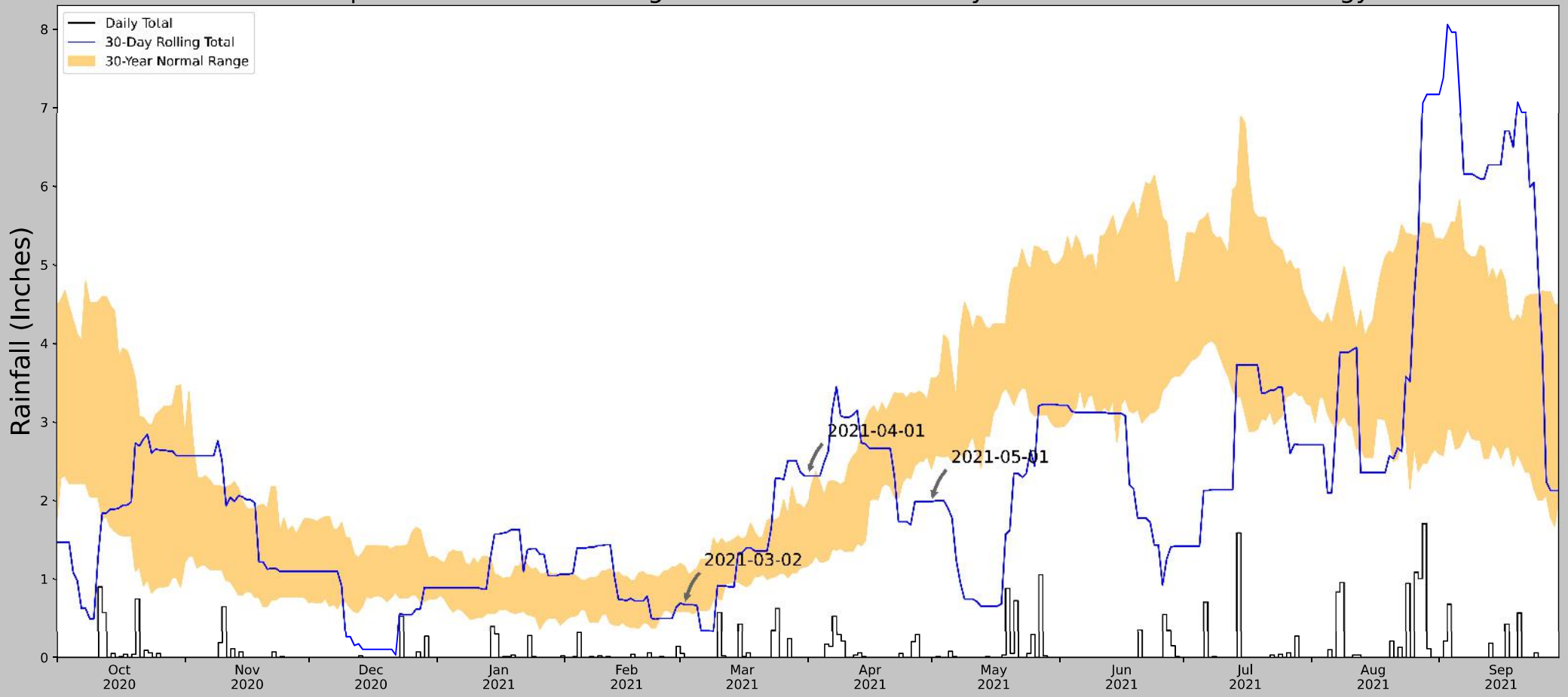
Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	45.03412, -93.7458
Observation Date	2021-05-01
Elevation (ft)	997.014
Drought Index (PDSI)	Incipient drought
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-05-01	2.410236	3.558268	1.988189	Dry	1	3	3
2021-04-01	1.175197	1.998425	2.318898	Wet	3	2	6
2021-03-02	0.597244	1.164567	0.677165	Normal	2	1	2
Result							Normal Conditions - 11

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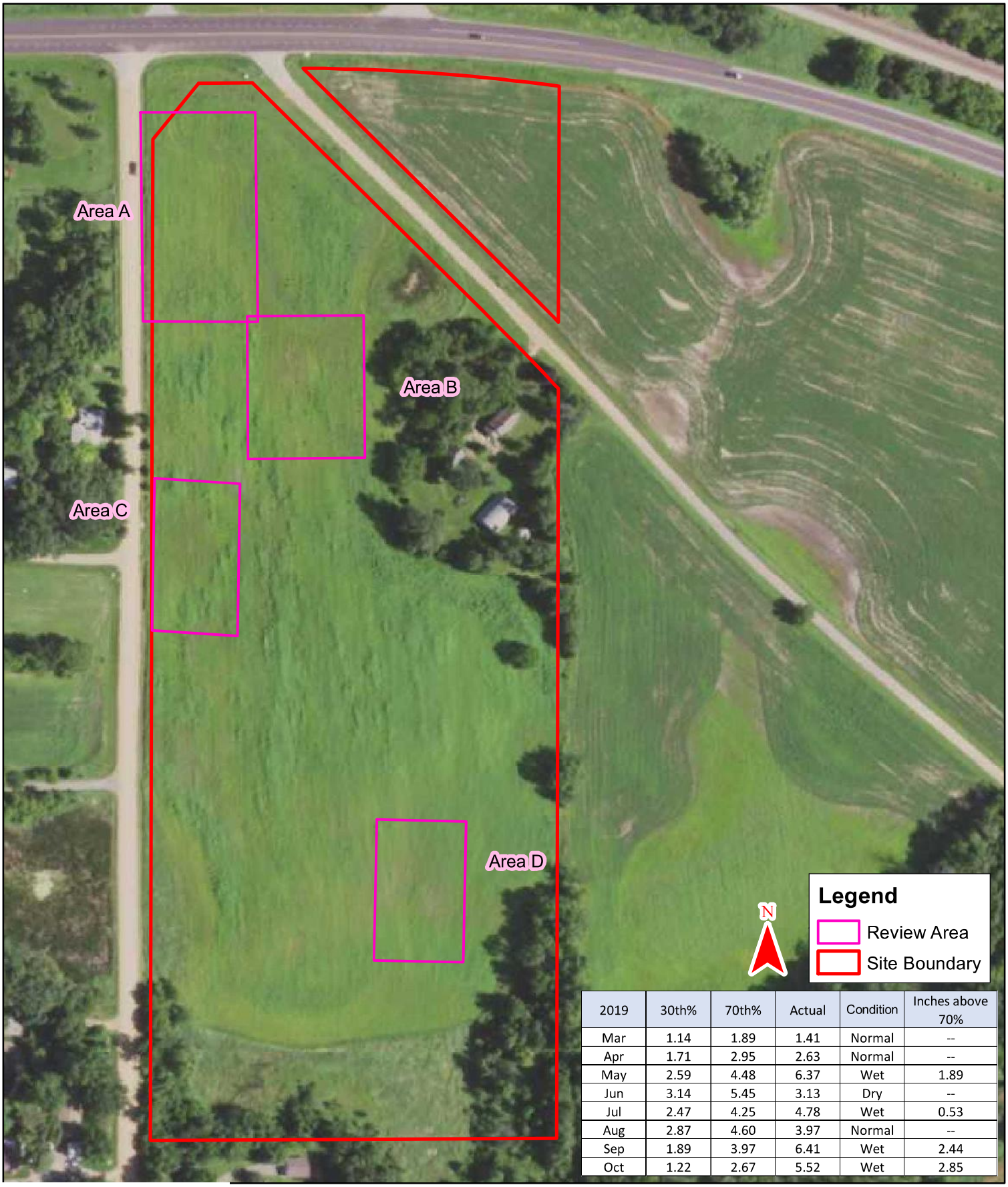
Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHANHASSEN WSFO	44.8497, -93.5644	945.866	15.526	51.148	7.781	9039	90
CHASKA	44.8, -93.5833	720.144	3.557	225.722	2.404	2306	0
MOUND	44.95, -93.65	935.039	8.098	10.827	3.732	7	0
NEW HOPE	45.01, -93.3792	910.105	14.309	35.761	6.951	1	0



2019	30th%	70th%	Actual	Condition	Inches above 70%
Mar	1.14	1.89	1.41	Normal	--
Apr	1.71	2.95	2.63	Normal	--
May	2.59	4.48	6.37	Wet	1.89
Jun	3.14	5.45	3.13	Dry	--
Jul	2.47	4.25	4.78	Wet	0.53
Aug	2.87	4.60	3.97	Normal	--
Sep	1.89	3.97	6.41	Wet	2.44
Oct	1.22	2.67	5.52	Wet	2.85

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0 100 Feet

7/30/2019, FSA, Normal

8725 Hitsman Lane (KES 2026-069)
Independence, Hennepin County, Minnesota

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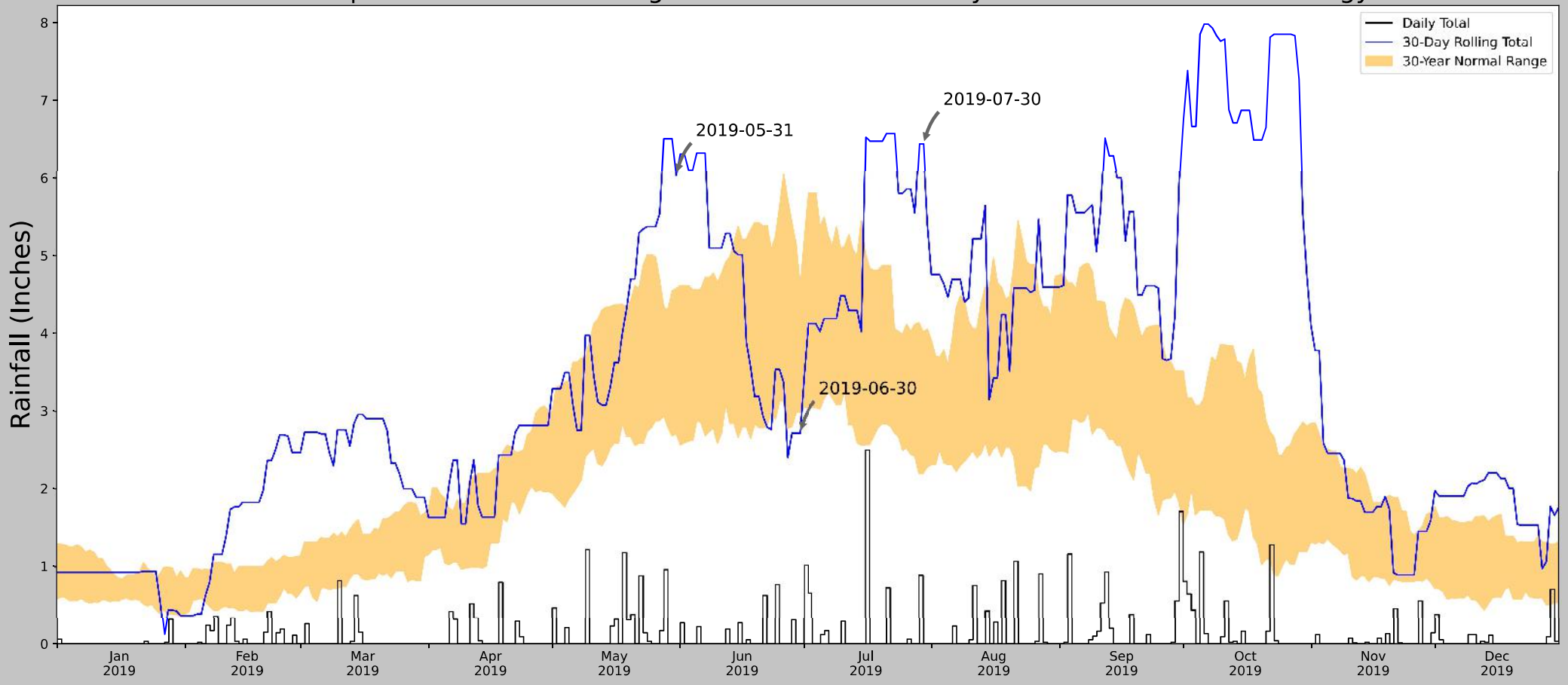
Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	45.03412, -93.7458
Observation Date	2019-07-30
Elevation (ft)	997.014
Drought Index (PDSI)	Severe wetness
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-07-30	2.195669	4.014961	6.437008	Wet	3	3	9
2019-06-30	2.98937	4.590945	2.716536	Dry	1	2	2
2019-05-31	2.711417	4.577953	6.035433	Wet	3	1	3
Result							Normal Conditions - 14

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US Army Corps of Engineers

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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCKFORD	45.0897, -93.74	950.131	3.851	46.883	1.913	10878	90
ROCKFORD 0.5 NE	45.093, -93.7359	972.113	0.303	21.982	0.143	9	0
ROCKFORD 1.0 NE	45.1031, -93.7337	1043.963	0.976	93.832	0.531	3	0
DELANO	45.0469, -93.7772	975.066	3.47	24.935	1.648	403	0
BUFFALO 2NE	45.1969, -93.84	992.126	8.866	41.995	4.362	45	0
MOUND	44.95, -93.65	935.039	10.606	15.092	4.933	1	0
ELK RVR	45.3056, -93.5825	899.934	16.773	50.197	8.39	14	0

APPENDIX E

Site Photos

Photo 1 – Wetland 1 looking east along the delineated line.

Photo 2 – Wetland 2 looking north. Includes ditch wetland, agricultural fringe, and agricultural upland.

Photo 3 – Wetland 3 looking west along wetland delineation line.

Photo 4 – Wetland D looking north. Cattail, soil saturation, water pools, and water flow lines are present in photo.