

## Minnesota Wetland Conservation Act Notice of Decision

<b>Local Government Unit:</b> City of Plymouth	<b>County:</b> Hennepin
<b>Applicant Name:</b> Landscapes Unlimited	
<b>Applicant Representative:</b> Kjolhaug Environmental Services Company, Inc.	
<b>Project Name:</b> 14760 38th Avenue North	
<b>LGU Project No. (if any):</b> 2023-26	
<b>Date Complete Application Received by LGU:</b> 11/2/2023	
<b>Date of LGU Decision:</b> 12/4/2023	
<b>Date this Notice was Sent:</b> 12/22/2023	

**WCA Decision Type - check all that apply**

<input checked="" type="checkbox"/> Wetland Boundary/Type	<input type="checkbox"/> Sequencing	<input type="checkbox"/> Replacement Plan	<input type="checkbox"/> Bank Plan (not credit purchase)
<input type="checkbox"/> No-Loss (8420.0415)	<input type="checkbox"/> Exemption (8420.0420)		
Part: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H	Subpart: <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9		

**Replacement Plan Impacts (replacement plan decisions only)**

<b>Total WCA Wetland Impact Area:</b>
<b>Wetland Replacement Type:</b> <input type="checkbox"/> Project Specific Credits: <input type="checkbox"/> Bank Credits:
<b>Bank Account Number(s):</b>

**Technical Evaluation Panel Findings and Recommendations (attach if any)**

<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Approve w/Conditions <input type="checkbox"/> Deny <input type="checkbox"/> No TEP Recommendation
--

**LGU Decision**

<input type="checkbox"/> Approved with Conditions (specify below) <sup>1</sup> List Conditions:	<input checked="" type="checkbox"/> Approved <sup>1</sup>	<input type="checkbox"/> Denied
<b>Decision-Maker for this Application:</b> <input checked="" type="checkbox"/> Staff <input type="checkbox"/> Governing Board/Council <input type="checkbox"/> Other:		
<b>Decision is valid for:</b> <input checked="" type="checkbox"/> 5 years (default) <input type="checkbox"/> Other (specify):		

<sup>1</sup> *Wetland Replacement Plan approval is not valid until BWSR confirms the withdrawal of any required wetland bank credits. For project-specific replacement a financial assurance per MN Rule 8420.0522, Subp. 9 and evidence that all required forms have been recorded on the title of the property on which the replacement wetland is located must be provided to the LGU for the approval to be valid.*

**LGU Findings – Attach document(s) and/or insert narrative providing the basis for the LGU decision<sup>1</sup>.**

<input type="checkbox"/> Attachment(s) (specify):
<input checked="" type="checkbox"/> Summary: <b>Approved as presented in the notice of application</b>

<sup>1</sup> Findings must consider any TEP recommendations.

**Attached Project Documents**

<input checked="" type="checkbox"/> Site Location Map <input checked="" type="checkbox"/> Project Plan(s)/Descriptions/Reports (specify):
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**Appeals of LGU Decisions**

If you wish to appeal this decision, you must provide a written request within 30 calendar days of the date you received the notice. All appeals must be submitted to the Board of Water and Soil Resources Executive Director along with a check payable to BWSR for \$500 *unless* the LGU has adopted a local appeal process as identified below. The check must be sent by mail and the written request to appeal can be submitted by mail or e-mail. The appeal should include a copy of this notice, name and contact information of appellant(s) and their representatives (if applicable), a statement clarifying the intent to appeal and supporting information as to why the decision is in error. Send to:

Appeals & Regulatory Compliance Coordinator  
 Minnesota Board of Water & Soils Resources  
 520 Lafayette Road North  
 St. Paul, MN 55155  
[travis.germundson@state.mn.us](mailto:travis.germundson@state.mn.us)

Does the LGU have a local appeal process applicable to this decision?

Yes<sup>1</sup>       No

<sup>1</sup>If yes, all appeals must first be considered via the local appeals process.

**Local Appeals Submittal Requirements** (LGU must describe how to appeal, submittal requirements, fees, etc. as applicable)

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**Notice Distribution (include name)**

*Required on all notices:*

<input checked="" type="checkbox"/> SWCD TEP Member:	<b>Ms. Stacey Lijewski, HCA, 701 Fourth Avenue South, Suite 700, Minneapolis, MN 55415-1600</b>
<input checked="" type="checkbox"/> BWSR TEP Member:	<b>Jed Chesnut, BWSR, 520 Lafayette Road North, St. Paul, MN 55401</b>
<input checked="" type="checkbox"/> LGU TEP Member (if different than LGU contact):	<b>Ben Scharenbroich, 3400 Plymouth Blvd, Plymouth MN 55447</b>
<input checked="" type="checkbox"/> DNR Representative:	<b>Wes Saunders-Pearce, MnDNR, 1200 Warner Road, St. Paul, MN 55106</b>
<input checked="" type="checkbox"/> Watershed District or Watershed Mgmt. Org.:	<b>BCWMC - PO Box 270825, Golden Valley, MN 55427</b>
<input checked="" type="checkbox"/> Applicant:	<b>Lindsey Stene, 7280 Dickman Trail, Inver Grove Heights, MN 550076</b>
<input checked="" type="checkbox"/> Agent/Consultant:	<b>Marty Anderson, Kjolhaug Environmental Services, 2500 Shadywood Road, Suite 130, Orono MN 55331</b>

*Optional or As Applicable:*

<input checked="" type="checkbox"/> Corps of Engineers:	<b>US Army Corps of Engineers</b>
<input type="checkbox"/> BWSR Wetland Mitigation Coordinator (required for bank plan applications only):	
<input type="checkbox"/> Members of the Public (notice only):	<input type="checkbox"/> Other:

<b>Signature:</b> 	<b>Date:</b> 12/22/2023
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This notice and accompanying application materials may be sent electronically or by mail. The LGU may opt to send a summary of the application to members of the public upon request per 8420.0255, Subp. 3.

## Minnesota Wetland Conservation Act Notice of Application

<b>Local Government Unit:</b> City of Plymouth	<b>County:</b> Hennepin
<b>Applicant Name:</b> Landscapes Unlimited	
<b>Applicant Representative:</b> Kjolhaug Environmental Services Company, Inc.	
<b>Project Name:</b> 14760 38th Avenue North	<b>LGU Project No. (if any):</b> 2023-26
<b>Date Complete Application Received by LGU:</b> 11/2/2023	
<b>Date this Notice was Sent by LGU:</b> 11/7/2023	
<b>Date that Comments on this Application Must Be Received By LGU<sup>1</sup>:</b> 12/1/2023	

<sup>1</sup> minimum 15 business day comment period for Boundary & Type, Sequencing, Replacement Plan and Bank Plan Applications

**WCA Decision Type** - check all that apply

<input checked="" type="checkbox"/> Wetland Boundary/Type	<input type="checkbox"/> Sequencing	<input type="checkbox"/> Replacement Plan	<input type="checkbox"/> Bank Plan (not credit purchase)
<input type="checkbox"/> No-Loss (8420.0415)	<input type="checkbox"/> Exemption (8420.0420)		
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**Replacement Plan Impacts** (replacement plan decisions only)

<b>Total WCA Impact Area Proposed:</b>
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**Application Materials**

<input checked="" type="checkbox"/> Attached <input type="checkbox"/> Other <sup>1</sup> (specify):
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<sup>1</sup> Link to ftp or other accessible file sharing sites is acceptable.

**Comments on this application should be sent to:**

<b>LGU Contact Person:</b> Ben Scharenbroich, Water Resources Supervisor
<b>E-Mail Address:</b> bscharenbroich@plymouthmn.gov
<b>Address and Phone Number:</b> 3400 Plymouth Blvd, Plymouth, MN 55447
<b>Decision-Maker for this Application:</b>
<input checked="" type="checkbox"/> Staff <input type="checkbox"/> Governing Board/Council <input type="checkbox"/> Other (specify):

**Notice Distribution (include name)**

*Required on all notices:*

<input checked="" type="checkbox"/> SWCD TEP Member: <b>Ms. Stacey Lijewski, HCA, 701 Fourth Avenue South, Suite 700, Minneapolis, MN 55415-1600</b>
<input checked="" type="checkbox"/> BWSR TEP Member: <b>Jed Chesnut, BWSR, 520 Lafayette Road North, St. Paul, MN 55401</b>
<input type="checkbox"/> LGU TEP Member (if different than LGU contact):
<input checked="" type="checkbox"/> DNR Representative: <b>Wes Saunders-Pearce, MnDNR, 1200 Warner Road, St. Paul, MN 55106</b>
<input type="checkbox"/> Watershed District or Watershed Mgmt. Org.: <b>BCWMC - PO Box 270825, Golden Valley, MN 55427</b>
<input type="checkbox"/> Applicant (notice only): <b>Lindsey Stene, 7280 Dickman Trail, Inver Grove Heights, MN 550076</b>
<input type="checkbox"/> Agent/Consultant (notice only): <b>Marty Anderson, Kjolhaug Environmental Services, 2500 Shadywood Road, Suite 130, Orono MN 55331</b>

*Optional or As Applicable:*

<input checked="" type="checkbox"/> Corps of Engineers: <b>US Army Corps of Engineers</b>
<input type="checkbox"/> BWSR Wetland Mitigation Coordinator (required for bank plan applications only):
<input type="checkbox"/> Members of the Public (notice only): <span style="float: right;"><input type="checkbox"/> Other:</span>

**Signature:**

*Ben Schmitt*

**Date:**

11/7/2023

This notice and accompanying application materials may be sent electronically or by mail. The LGU may opt to send a summary of the application to members of the public upon request per 8420.0255, Subp. 3.

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**14760 38<sup>th</sup> Ave N**

**City of Plymouth, Hennepin County, Minnesota**

**Wetland Delineation Report**

*Prepared for*

Landscapes Unlimited

*by*

**Kjolhaug Environmental Services Company, Inc.**

(KES Project No. 2023-157)

October 27, 2023

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# 14760 38<sup>th</sup> Ave N

City of Plymouth, Hennepin County, Minnesota

## Wetland Delineation Report

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- B. Wetland Delineation Data Forms
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# 14760 38<sup>th</sup> Ave N

*City of Plymouth, Hennepin County, Minnesota*

## Wetland Delineation Report

### 1. WETLAND DELINEATION SUMMARY

- The 0.29-acre site at 14760 38<sup>th</sup> Ave N was inspected on October 23, 2023 for the presence and extent of wetland.
- The National Wetlands Inventory (NWI) map showed one PEM1Ad wetland within the site boundaries.
- The soil survey showed Muskego and Houghton soils as the hydric soil types mapped within the site boundaries.
- The DNR Public Waters Inventory showed DNR Public Waterway M-057 (Bassett Creek) approximately 1000 feet south of the site boundaries.
- The National Hydrography Dataset did not show any surface water features within the site boundaries.
- One (1) wetland was delineated onsite as summarized in **Table 1 below**.

**Table 1. Wetlands delineated on the 14760 38<sup>th</sup> Ave N site.**

Wetland ID	Wetland Type			Dominant Vegetation	Area (Square Feet)
	Circular 39	Cowardin	Eggers and Reed		
1	Type 1	PEM1Ad	Seasonally flooded depression fringing a ditch	Reed Canary Grass	476.9

### 2. OVERVIEW

The 0.29-acre site at 14760 38<sup>th</sup> Ave N was inspected on October 23, 2023 for the presence and extent of wetland. The property was located in Section 16, Township 118 North, Range 22 West, City of Plymouth, Hennepin County, Minnesota. The site was located approximately 750 feet southeast of the intersection between Rockford Road and Minnesota Lane N (**Figure 1**). The property corresponded to Hennepin County PIDs 16-118-22-42-0071 (0.29-ac).

The site consisted of a single-family home, paved driveway, and manicured lawn. The topography at the site sloped from a high of 970-ft MSL to a low of 954-ft MSL. The surrounding land use consisted of high-density single-family homes.

One (1) wetland was delineated within the site boundaries. The delineated wetland boundary and existing conditions are shown in **Figure 2**.

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

### 3. METHODS

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. Wetland-upland boundaries were marked with pin flags that were located with a sub-meter accuracy GPS unit. Figure 2 does not constitute an official survey product.

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.

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 8.1, 2017).

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 was taken from the 2018 National Wetland Plant List (U.S. Army Corps of Engineers 2018. National Wetland Plant List, version 3.3, Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, NH).

## 4. RESULTS

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

The National Wetlands Inventory (NWI) (Minnesota Geospatial Commons 2009-2014 and U.S. Fish and Wildlife Service) showed one PEM1Ad wetland within the site boundaries (**Figure 3**).

The Soil Survey (USDA NRCS 2015) showed Muskego and Houghton soils as the hydric soil type mapped within the site boundaries. Soil types mapped on the property are listed in **Table 2** and a map showing soil types is included in **Figure 4**.

**Table 2: Soil types mapped on the 14760 38<sup>th</sup> Ave N site.**

Symbol	Soil Name	Acres	% of Area	% Hydric	Hydric Category
L22E	Lester loam, 10 to 22 percent slopes	0.2	85.1%	0	Non-hydric
L50A	Muskego and Houghton soils, 0 to 1 percent slopes	0.09	14.9%	100	Hyric

The Minnesota DNR Public Waters Inventory (Minnesota Department of Natural Resources 2015) showed DNR Public Waterway M-057 (Bassett Creek) approximately 1000 feet south of the site boundaries (**Figure 5**).

The National Hydrography Dataset (U.S. Geological Survey 2015) did not show any surface water features within the site boundaries (**Figure 6**).

## 4.2 Wetland Determinations and Delineations

Potential wetlands were evaluated during field observations on October 23, 2023. One (1) wetland was identified and delineated on the property (**Figure 2**). Corresponding data forms are included in **Appendix B**. The following descriptions of the wetland and its adjacent upland reflects conditions observed at the time of the field visit. At that time herbaceous vegetation was beginning to senesce but was still identifiable. Precipitation conditions were typical (normal) based on the three-month antecedent precipitation data and above the normal range based on 30-day rolling precipitation data (**Appendix C**).

**Wetland 1** was a Type 1 (PEM1Ad) seasonally flooded depression that fringed a ditch. It was dominated by reed canary grass, with lesser amounts of stinging nettle, jewelweed, Canada thistle and bittersweet nightshade. No free water was observed within the wetland sample borehole, though the ditch was inundated at the time of the field visit.

Adjacent upland at the sample location was sloping and dominated by buckthorn shrubs. It included lesser amounts of grey dogwood shrubs, Canada thistle, and yellow birch trees. The upland was a small area beneath an approximately 10-foot-tall retaining wall. No primary or secondary indicators of wetland hydrology were observed on the upland.

The wetland boundary corresponded to changes in topography and a change from an upland plant community to a hydrophytic plant community. Wetland 1 was identified as a PEM1Ad wetland on the NWI and was mapped on hydric soils (Muskego & Houghton) according to the soil survey. Wetland 1 continued offsite to the east.

## 4.3 Other Areas

No other areas were identified as wetland on the NWI or mapped as hydric by the soil survey. No other areas were dominated by hydrophytic vegetation.

## 4.4 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 request for a wetland boundary and type determination from the City of Plymouth under the Minnesota Wetland Conservation Act (WCA).

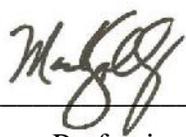
## 5. CERTIFICATION OF DELINEATION

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: Marty Anderson, Wetland Technician

Report prepared by: Marty Anderson, Wetland Technician

Report reviewed by:  \_\_\_\_\_ Date: October 27, 2023

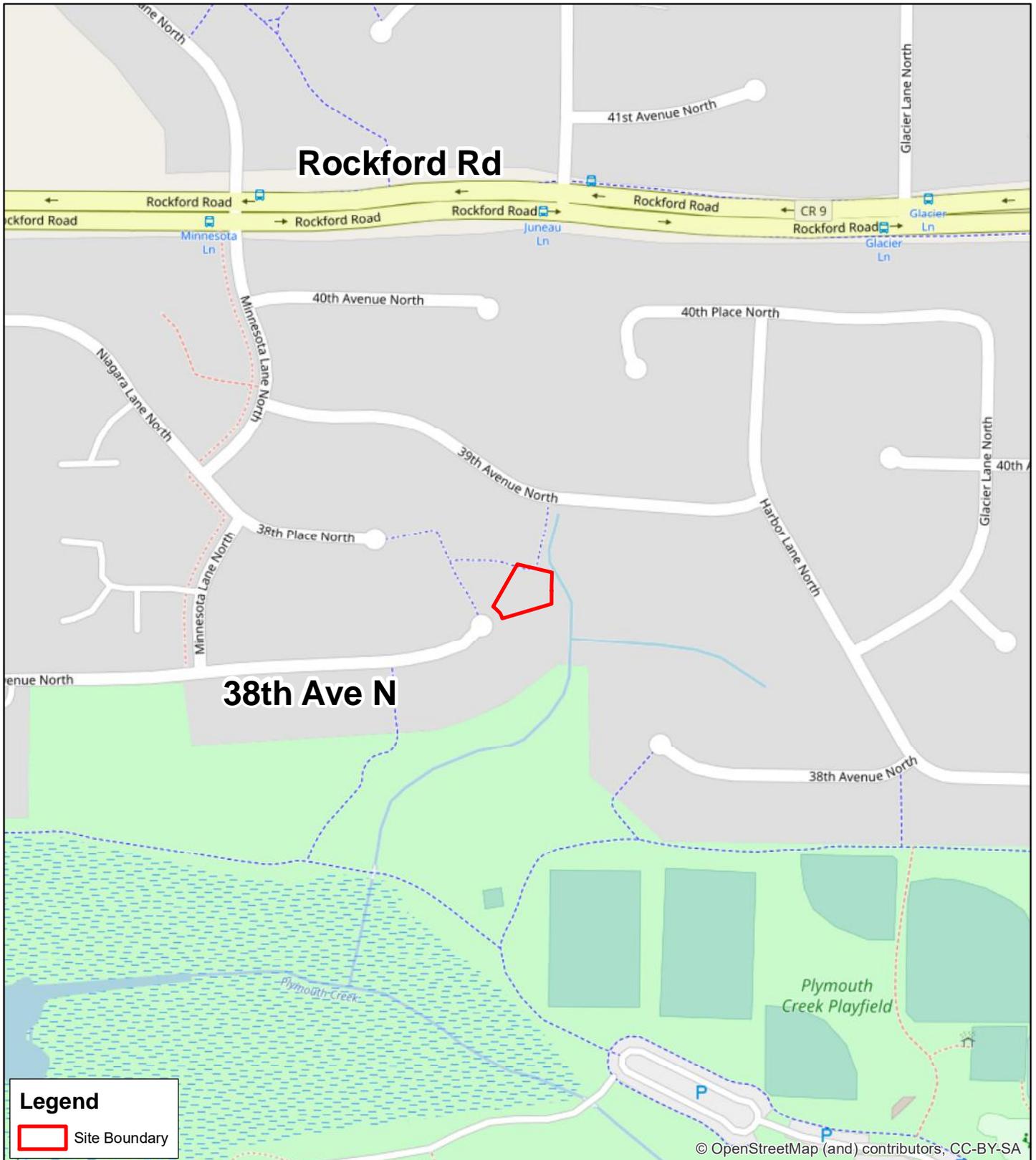
Mark Kjolhaug, Professional Wetland Scientist No. 000845

# **14760 38<sup>th</sup> Ave N, City of Plymouth**

## **Wetland Delineation Report**

### **FIGURES**

1. Site Location
2. Existing Conditions
3. National Wetlands Inventory
4. Soil Survey
5. DNR Protected Waters Inventory
6. National Hydrography Dataset



**Figure 1 - Site Location**



**KJOLHAUG** ENVIRONMENTAL SERVICES COMPANY  
Source: MNGEO Spatial Commons, USFWS

N

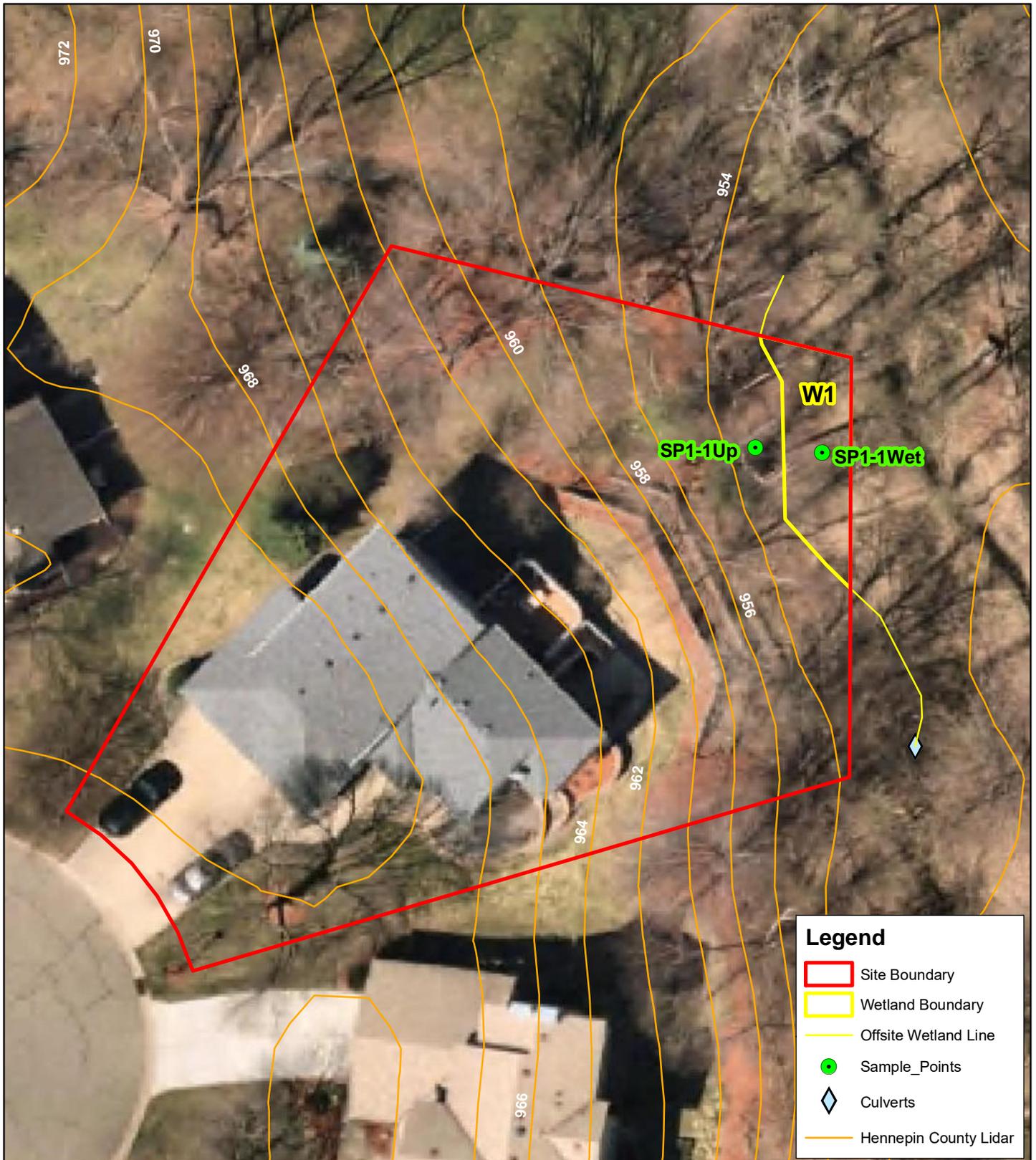


0 500  
Feet



**14760 38th Ave N (KES 2023-057)**  
**Plymouth, Minnesota**

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



**Figure 2 - Existing Conditions (2022 Hennepin Co Photo)**



N

0 50



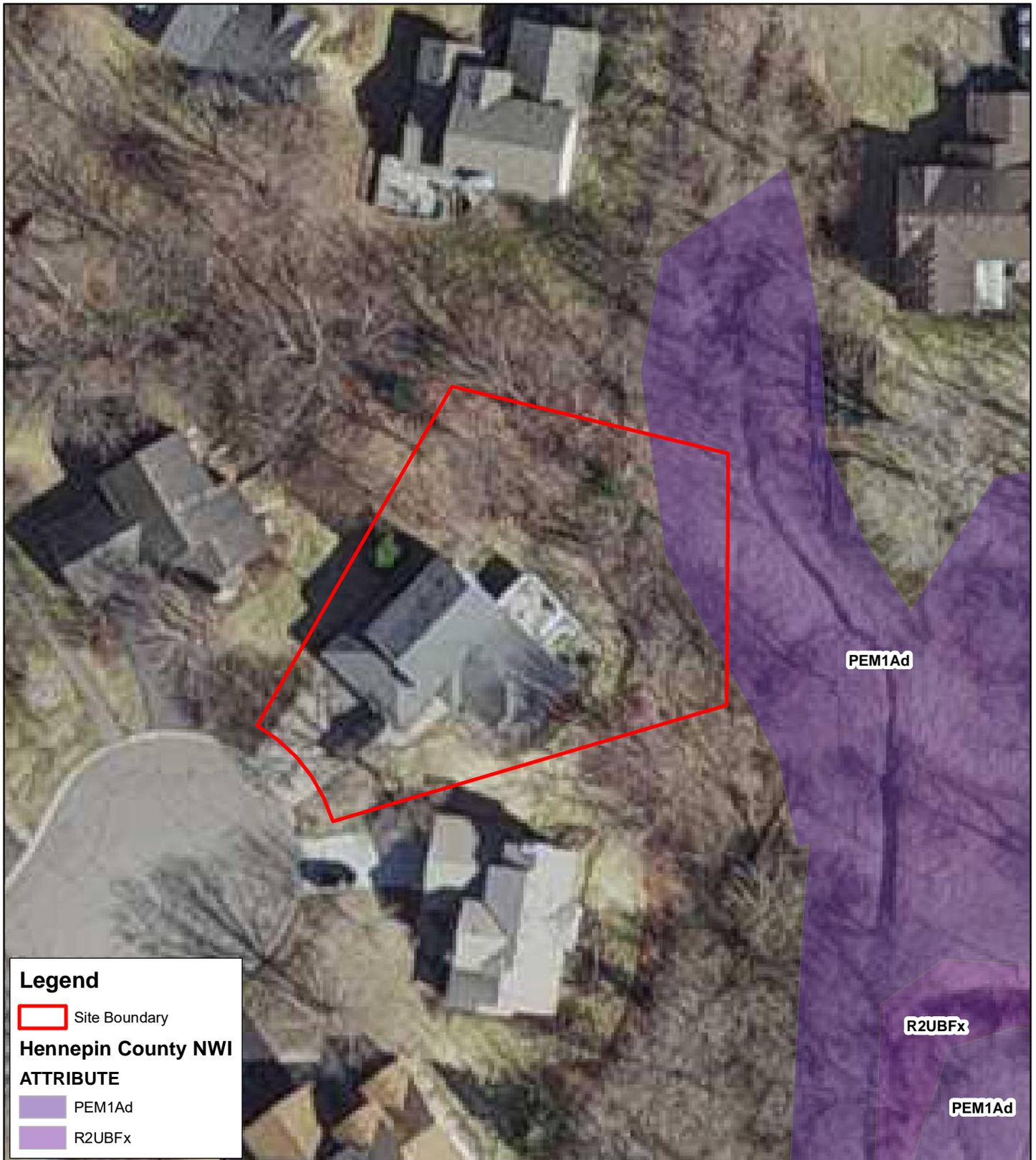
Feet

**14760 38th Ave N (KES 2023-057)**  
**Plymouth, Minnesota**



**KJOLHAUG** ENVIRONMENTAL SERVICES COMPANY  
 Source: MNGEO Spatial Commons, USFWS

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



**Figure 3 - National Wetlands Inventory**



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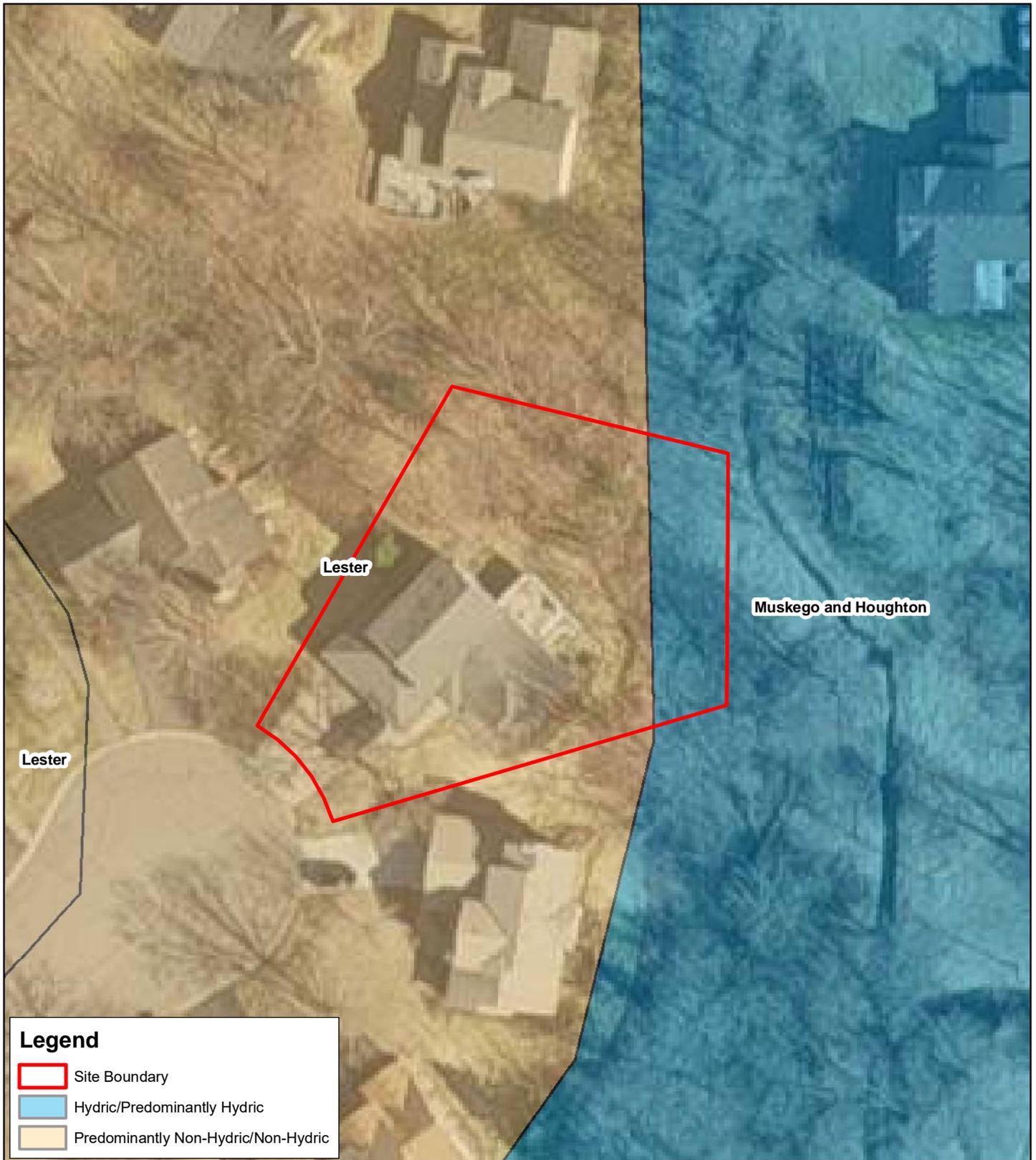
Feet

**14760 38th Ave N (KES 2023-057)**  
**Plymouth, Minnesota**

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

**KJOLHAUG** ENVIRONMENTAL SERVICES COMPANY

Source: MNGEO Spatial Commons, USFWS



**Figure 4 - Soil Survey**



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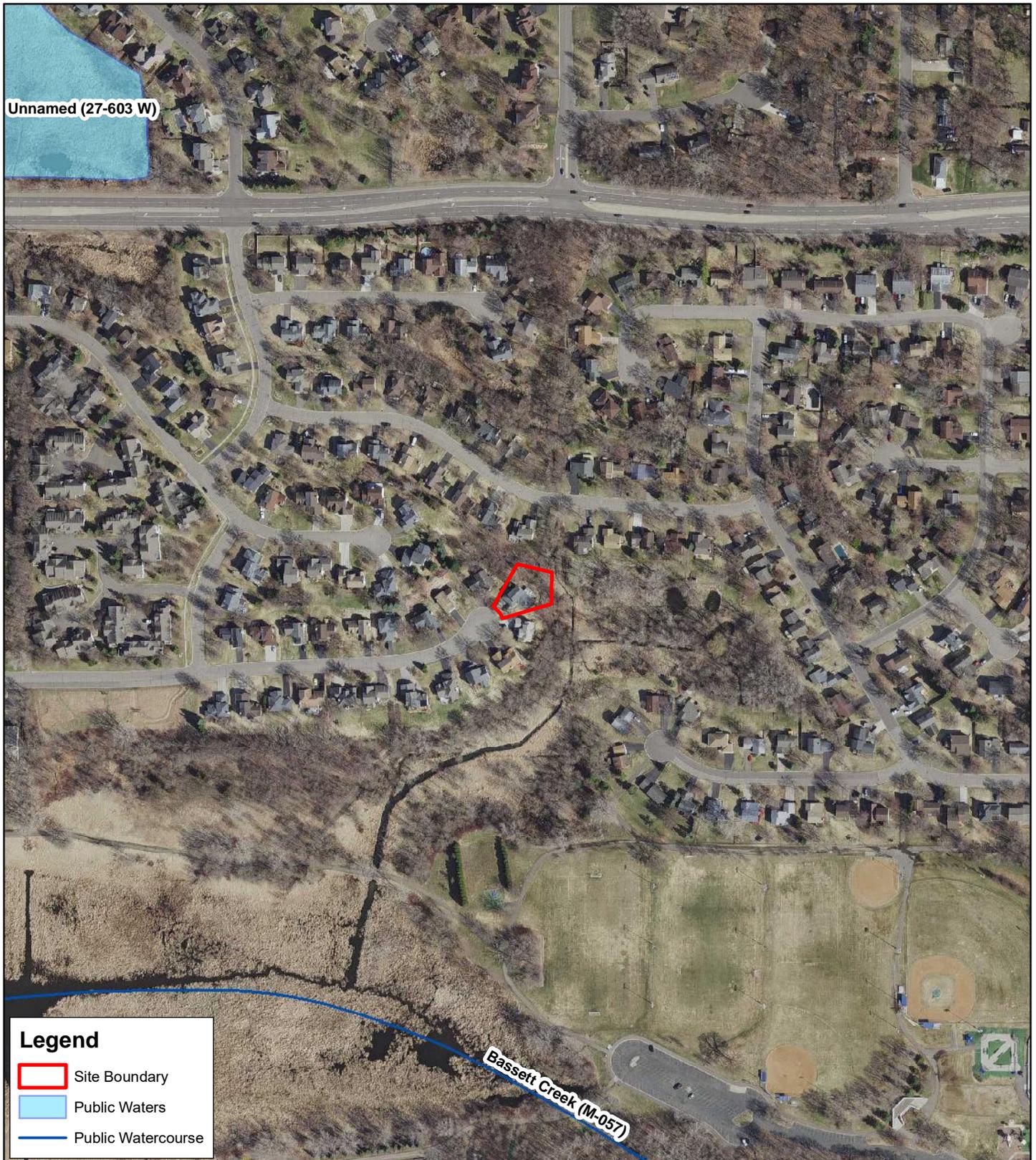
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**KJOLHAUG** ENVIRONMENTAL SERVICES COMPANY

Source: MNGEO Spatial Commons, USFWS

**14760 38th Ave N (KES 2023-057)**  
**Plymouth, Minnesota**

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



**Figure 5 - DNR Public Waters Inventory**



N

0                      500



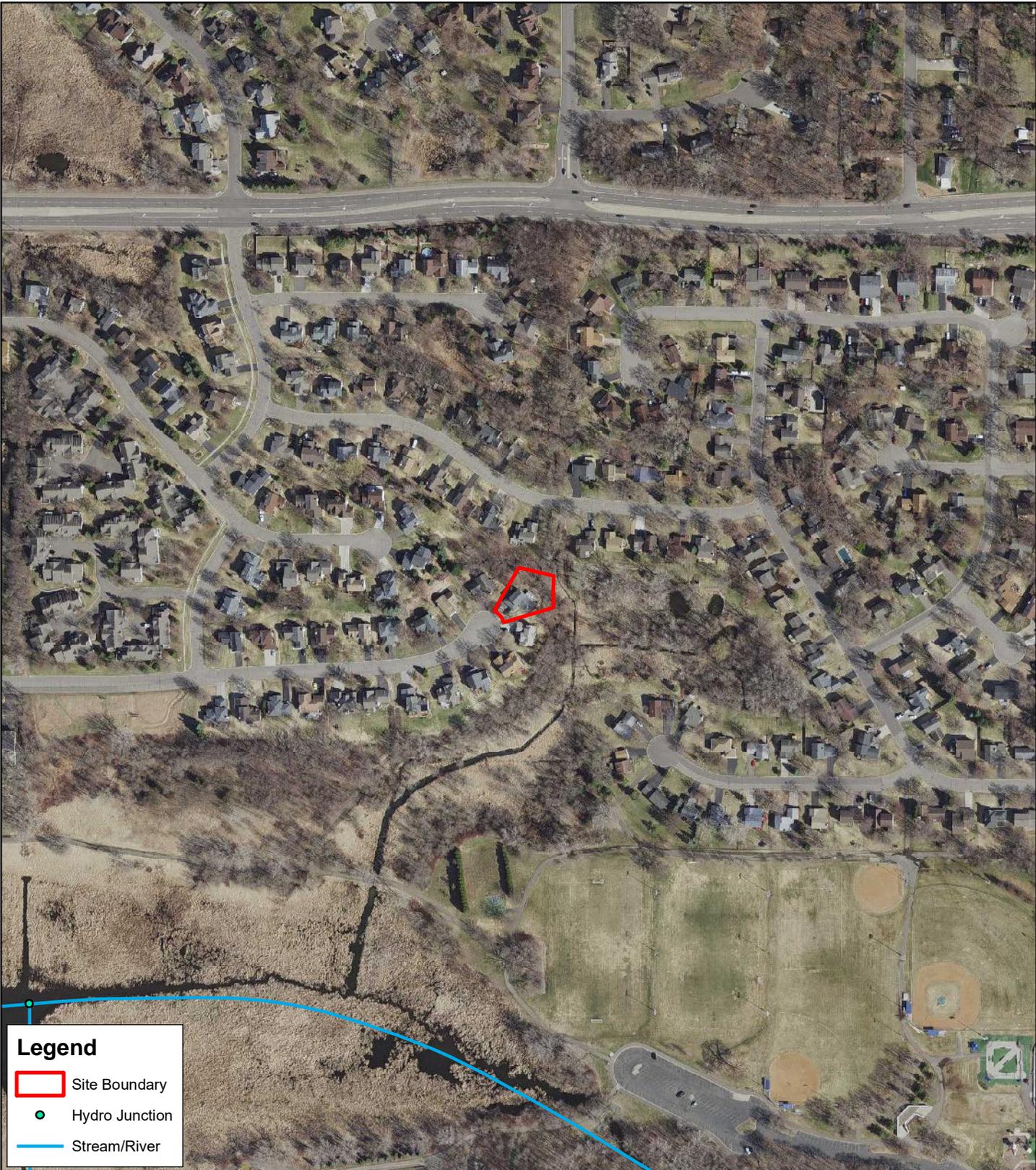
Feet

**14760 38th Ave N (KES 2023-057)**  
**Plymouth, Minnesota**



**KJOLHAUG** ENVIRONMENTAL SERVICES COMPANY  
 Source: MNGEO Spatial Commons, USFWS

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



**Figure 6 - National Hydrography Dataset**



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▲

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 Feet

**KJOLHAUG** ENVIRONMENTAL SERVICES COMPANY  
 Source: MNGEO Spatial Commons, USFWS

**14760 38th Ave N (KES 2023-057)**  
**Plymouth, Minnesota**

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

**14760 38<sup>th</sup> Ave N, City of Plymouth**

**Wetland Delineation Report**

**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:** Lindsey Stene  
**Mailing Address:** 7280 Dickman Trail, Inver Grove Heights, MN 55076  
**Phone:** 651-955-2121  
**E-mail Address:** lindsey@landscapesunlimitedmn.com

**Authorized Contact (do not complete if same as above):**

**Mailing Address:**  
**Phone:**  
**E-mail Address:**

**Agent Name:** Marty Anderson, Kjolhaug Environmental Services  
**Mailing Address:** 2500 Shadywood Road, Suite 130, Orono MN 55331  
**Phone:** 952-201-6830  
**E-mail Address:** marty@kjolhaugenv.com

## PART TWO: Site Location Information

**County:** Hennepin **City/Township:** City of Plymouth  
**Parcel ID and/or Address:** PID 16-118-22-42-0071  
**Legal Description (Section, Township, Range):** S: 16, T: 118N, R: 22W  
**Lat/Long (decimal degrees):** 45.02, -93.446  
**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):** 0.29-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](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.

**Application is for delineation concurrence/approval.**



## 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>

**14760 38<sup>th</sup> Ave N, City of Plymouth**

**Wetland Delineation Report**

**APPENDIX B**

**Wetland Delineation Data Forms**

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site 14760 38th Ave N City/County: Plymouth/Hennepin Sampling Date: 10/23/2023  
 Applicant/Owner: See joint application form State: MN Sampling Point: SP1-1Up  
 Investigator(s): M. Anderson Section, Township, Range: S:16, T:118N, R:22W  
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Linear  
 Slope (%): 3 to 5 Lat: - Long: - Datum: NAD83  
 Soil Map Unit Name Lester (non-hydric) NWI Classification: None

Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)  
 Are vegetation       , soil       , or hydrology        significantly disturbed? Are "normal circumstances" present? Yes  
 Are vegetation       , soil       , or hydrology        naturally problematic? (If needed, explain any answers in remarks.)

**SUMMARY OF FINDINGS**

Hydrophytic vegetation present?	<u>N</u>	<b>Is the sampled area within a wetland?</b> <u>N</u> If yes, optional wetland site ID: _____
Hydric soil present?	<u>Y</u>	
Indicators of wetland hydrology present?	<u>N</u>	

Remarks: (Explain alternative procedures here or in a separate report.)  
 Climate conditions were typical (normal) based on the gridded database.

**VEGETATION -- Use scientific names of plants.**

Tree Stratum (Plot size: <u>30</u> )	Absolute % Cover	Dominant Species	Indicator Status	<b>Dominance Test Worksheet</b>
1 <u>Betula alleghaniensis</u>	10	Y	FAC	
2 <u>Picea pungens</u>	5	Y	UPL	Total Number of Dominant Species Across all Strata: <u>4</u> (B)
3 _____				Percent of Dominant Species that are OBL, FACW, or FAC: <u>50.00%</u> (A/B)
4 _____				
5 _____				
<u>15</u> = Total Cover				
Sapling/Shrub stratum (Plot size: <u>15</u> )	Absolute % Cover	Dominant Species	Indicator Status	<b>Prevalence Index Worksheet</b>
1 _____				
2 _____				OBL species <u>0</u> x 1 = <u>0</u>
3 _____				FACW species <u>0</u> x 2 = <u>0</u>
4 _____				FAC species <u>20</u> x 3 = <u>60</u>
5 _____				FACU species <u>10</u> x 4 = <u>40</u>
				UPL species <u>5</u> x 5 = <u>25</u>
<u>0</u> = Total Cover				Column totals <u>35</u> (A) <u>125</u> (B)
Herb stratum (Plot size: <u>5</u> )	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index = B/A = <u>3.57</u>
1 <u>Cirsium arvense</u>	10	Y	FACU	<b>Hydrophytic Vegetation Indicators:</b> _____ Rapid test for hydrophytic vegetation _____ Dominance test is >50% _____ Prevalence index is ≤3.0* _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) _____ Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
2 <u>Solanum dulcamara</u>	10	Y	FAC	
3 _____				
4 _____				
5 _____				
6 _____				
7 _____				
8 _____				
9 _____				
10 _____				
<u>20</u> = Total Cover				
Woody vine stratum (Plot size: <u>30</u> )	Absolute % Cover	Dominant Species	Indicator Status	<b>Hydrophytic vegetation present?</b> <u>N</u>
1 _____				
2 _____				
<u>0</u> = Total Cover				

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		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-8	10YR 2/1	100					Loam	
8-24	10YR 5/2	90	10YR 4/6	10	C	M	Loam	

\*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. \*\*Location: PL = Pore Lining, M = Matrix

<p><b>Hydric Soil Indicators:</b></p> <p><input type="checkbox"/> Histosol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input checked="" type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p><b>Indicators for Problematic Hydric Soils:</b></p> <p><input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R)</p> <p><input type="checkbox"/> Dark Surface (S7) (LRR K, L)</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (TF12)</p> <p><input type="checkbox"/> Other (explain in remarks)</p>
--	--	---

\*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

<p><b>Restrictive Layer (if observed):</b></p> <p>Type: _____</p> <p>Depth (inches): _____</p> <p>Remarks: _____</p>	<p><b>Hydric soil present?</b> <u>Y</u></p>
--	---

**HYDROLOGY**

<p><b>Wetland Hydrology Indicators:</b></p> <p>Primary Indicators (minimum of one is required; check all that apply)</p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p> <p><input type="checkbox"/> Water-Stained Leaves (B9)</p>		<p>Secondary Indicators (minimum of two required)</p> <p><input type="checkbox"/> Aquatic Fauna (B13)</p> <p><input type="checkbox"/> True Aquatic Plants (B14)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Gauge or Well Data (D9)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>	<p><input type="checkbox"/> Surface Soil Cracks (B6)</p> <p><input type="checkbox"/> Drainage Patterns (B10)</p> <p><input type="checkbox"/> Dry-Season Water Table (C2)</p> <p><input type="checkbox"/> Crayfish Burrows (C8)</p> <p><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)</p> <p><input type="checkbox"/> Stunted or Stressed Plants (D1)</p> <p><input type="checkbox"/> Geomorphic Position (D2)</p> <p><input type="checkbox"/> FAC-Neutral Test (D5)</p>
--	--	--	---

<p><b>Field Observations:</b></p> <p>Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)</p>	<p><b>Indicators of wetland hydrology present?</b> <u>N</u></p>
--	---

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Dry to 24 inches.



**SOIL**

Sampling Point: SP1-1Wet

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

Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type*	Loc**		
0-4	10YR 2/1	100					Loam	
4-24	10YR 5/2	90	10YR 4/6	10	C	M	Loam	

\*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. \*\*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)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

**Indicators for Problematic Hydric Soils:**

- Coast Prairie Redox (A16) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Very Shallow Dark Surface (TF12)
- Other (explain in remarks)

\*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

Hydric soil present? Y

Remarks:

**HYDROLOGY**

**Wetland Hydrology Indicators:**

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

Secondary Indicators (minimum of two required)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Surface Water (A1)                        | <input type="checkbox"/> Aquatic Fauna (B13)                        | <input type="checkbox"/> Surface Soil Cracks (B6)                   |
| <input type="checkbox"/> High Water Table (A2)                     | <input type="checkbox"/> True Aquatic Plants (B14)                  | <input type="checkbox"/> Drainage Patterns (B10)                    |
| <input type="checkbox"/> Saturation (A3)                           | <input type="checkbox"/> Hydrogen Sulfide Odor (C1)                 | <input type="checkbox"/> Dry-Season Water Table (C2)                |
| <input type="checkbox"/> Water Marks (B1)                          | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input type="checkbox"/> Crayfish Burrows (C8)                      |
| <input type="checkbox"/> Sediment Deposits (B2)                    | <input type="checkbox"/> Presence of Reduced Iron (C4)              | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)  |
| <input type="checkbox"/> Drift Deposits (B3)                       | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input checked="" type="checkbox"/> Stunted or Stressed Plants (D1) |
| <input type="checkbox"/> Algal Mat or Crust (B4)                   | <input type="checkbox"/> Thin Muck Surface (C7)                     | <input checked="" type="checkbox"/> Geomorphic Position (D2)        |
| <input type="checkbox"/> Iron Deposits (B5)                        | <input type="checkbox"/> Gauge or Well Data (D9)                    | <input checked="" type="checkbox"/> FAC-Neutral Test (D5)           |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks)                 |   |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)   |   |   |
| <input type="checkbox"/> Water-Stained Leaves (B9)                 |   |   |

**Field Observations:**

Surface water present? Yes  No  Depth (inches): \_\_\_\_\_  
 Water table present? Yes  No  Depth (inches): \_\_\_\_\_  
 Saturation present? Yes  No  Depth (inches): \_\_\_\_\_  
 (includes capillary fringe)

Indicators of wetland hydrology present? Y

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Dry to 24 inches.

**14760 38<sup>th</sup> Ave N, City of Plymouth**

**Wetland Delineation Report**

**APPENDIX C**

**Precipitation Data**

# Minnesota State Climatology Office

State Climatology Office - DNR Division of Ecological and Water Resources

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## Precipitation Worksheet Using Gridded Database

### Precipitation data for target wetland location:

county: **Hennepin** township number: **118N**  
 township name: **Plymouth** range number: **22W**  
 nearest community: **Plymouth** section number: **16**

### Aerial photograph or site visit date:

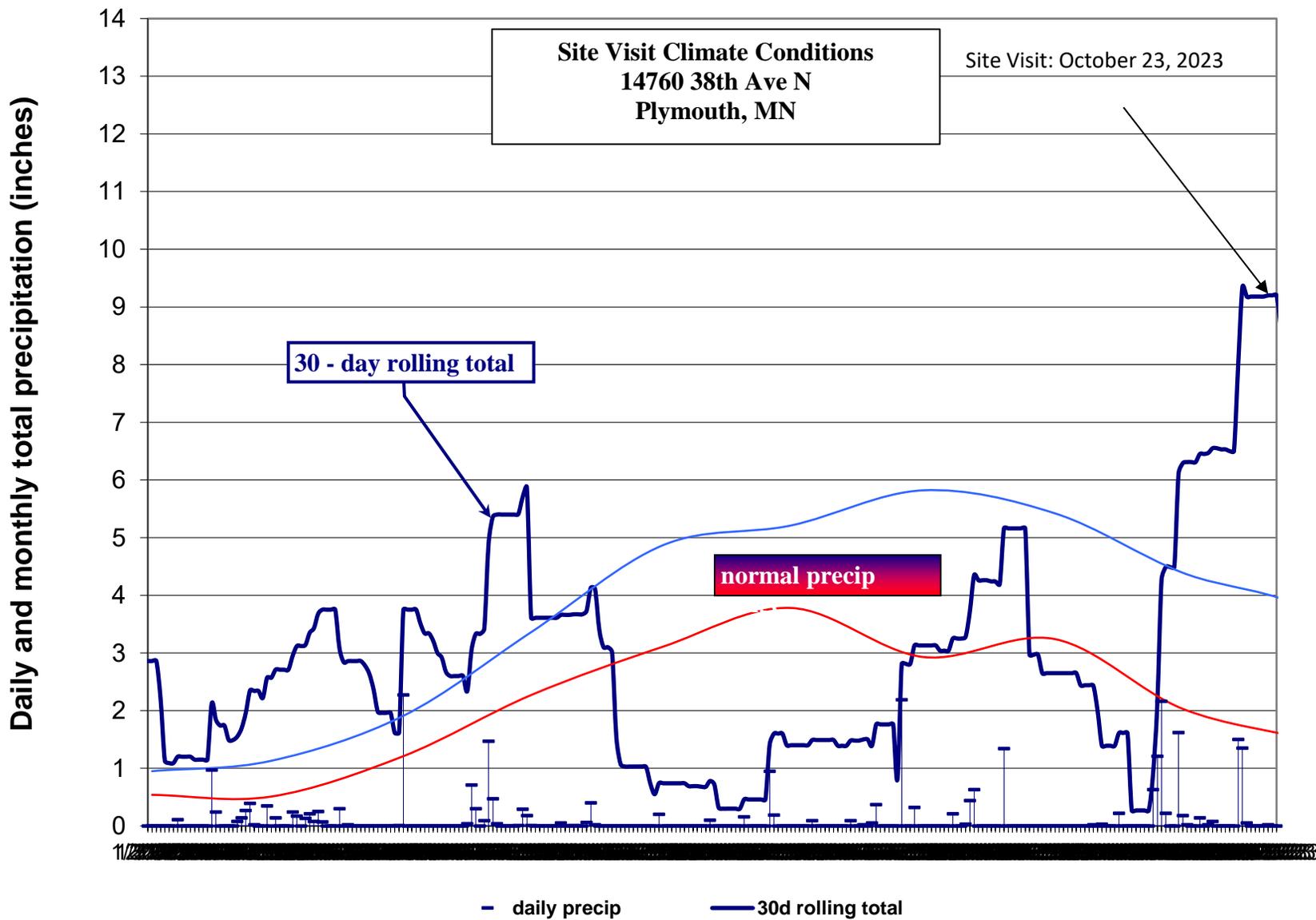
**Monday, October 23, 2023**

### Score using 1991-2020 normal period

values are in inches A 'R' following a monthly total indicates a provisional value derived from radar-based estimates.	first prior month: <b>September 2023</b>	second prior month: <b>August 2023</b>	third prior month: <b>July 2023</b>
<b>estimated precipitation total for this location:</b>	<b>7.15R</b>	<b>3.23R</b>	<b>2.59R</b>
<b>there is a 30% chance this location will have less than:</b>	2.03	3.24	2.93
<b>there is a 30% chance this location will have more than:</b>	4.39	5.42	5.82
<b>type of month: dry normal wet</b>	<b>wet</b>	<b>dry</b>	<b>dry</b>
<b>monthly score</b>	<b>3 * 3 = 9</b>	<b>2 * 1 = 2</b>	<b>1 * 1 = 1</b>
<b>multi-month score:</b> 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)	<b>12 (Normal)</b>		

### Other Resources:

- [retrieve daily precipitation data](#)
- [view radar-based precipitation estimates](#)
- [view weekly precipitation maps](#)
- [Evaluating Antecedent Precipitation Conditions](#) (BWSR)



**14760 38<sup>th</sup> Ave N: Precipitation Summary**  
**Source: Minnesota Climatology Working Group**  
**Site Visit: October 23, 2023**

**Monthly Totals: 2023**

Target: T118N R22W S16, Lat: 45.03 Lon: -93.47

Mon	Year	CC	Ttn	rrW	ss	nnnn	ooooooo	pre
Jul	2023	27	119N	22W	35	BYRG		3.13
Aug	2023	27	119N	22W	31	BYRG		2.65
Sep	2023	27	118N	21W	20	NWS	NEW HOPE	6.29

**July/August/September/October Daily Records**

Date	Preci p.						
Jul 1, 2023	0	Aug 1, 2023	0	Sep 1, 2023	0	Oct 1, 2023	.02
Jul 2, 2023	0	Aug 2, 2023	0	Sep 2, 2023	0	Oct 2, 2023	0
Jul 3, 2023	0	Aug 3, 2023	0	Sep 3, 2023	0	Oct 3, 2023	0
Jul 4, 2023	0	Aug 4, 2023	0	Sep 4, 2023	0	Oct 4, 2023	.14
Jul 5, 2023	.09	Aug 5, 2023	0	Sep 5, 2023	0	Oct 5, 2023	0
Jul 6, 2023	0	Aug 6, 2023	0	Sep 6, 2023	T	Oct 6, 2023	.02
Jul 7, 2023	0	Aug 7, 2023	.21	Sep 7, 2023	0	Oct 7, 2023	.08
Jul 8, 2023	0	Aug 8, 2023	0	Sep 8, 2023	0	Oct 8, 2023	0
Jul 9, 2023	0	Aug 9, 2023	0	Sep 9, 2023	.02	Oct 9, 2023	0
Jul 10, 2023	0	Aug 10, 2023	.03	Sep 10, 2023	0	Oct 10, 2023	0
Jul 11, 2023	0	Aug 11, 2023	.44	Sep 11, 2023	.03	Oct 11, 2023	0
Jul 12, 2023	0	Aug 12, 2023	.63	Sep 12, 2023	m	Oct 12, 2023	0
Jul 13, 2023	0	Aug 13, 2023	-	Sep 13, 2023	m	Oct 13, 2023	1.50
Jul 14, 2023	.09	Aug 14, 2023	-	Sep 14, 2023	0	Oct 14, 2023	1.35
Jul 15, 2023	0	Aug 15, 2023	-	Sep 15, 2023	.22	Oct 15, 2023	.05
Jul 16, 2023	0	Aug 16, 2023	-	Sep 16, 2023	T	Oct 16, 2023	0
Jul 17, 2023	.02	Aug 17, 2023	-	Sep 17, 2023	0	Oct 17, 2023	0
Jul 18, 2023	0	Aug 18, 2023	-	Sep 18, 2023	T	Oct 18, 2023	0
Jul 19, 2023	.05	Aug 19, 2023	1.34	Sep 19, 2023	0	Oct 19, 2023	0
Jul 20, 2023	.37	Aug 20, 2023	0	Sep 20, 2023	0	Oct 20, 2023	.02
Jul 21, 2023	0	Aug 21, 2023	0	Sep 21, 2023	0	Oct 21, 2023	0
Jul 22, 2023	0	Aug 22, 2023	0	Sep 22, 2023	0	Oct 22, 2023	0
Jul 23, 2023	0	Aug 23, 2023	0	Sep 23, 2023	.63	Oct 23, 2023	.08
Jul 24, 2023	0	Aug 24, 2023	0	Sep 24, 2023	1.21		
Jul 25, 2023	0	Aug 25, 2023	0	Sep 25, 2023	2.16		
Jul 26, 2023	2.19	Aug 26, 2023	0	Sep 26, 2023	.22		
Jul 27, 2023	0	Aug 27, 2023	0	Sep 27, 2023	T		
Jul 28, 2023	0	Aug 28, 2023	0	Sep 28, 2023	0		
Jul 29, 2023	.32	Aug 29, 2023	0	Sep 29, 2023	1.62		
Jul 30, 2023	0	Aug 30, 2023	0	Sep 30, 2023	.18		
Jul 31, 2023	0	Aug 31, 2023	0				

**1981-2010 Summary Statistics**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	WARM	ANN	WAT
30%	0.54	0.51	1.21	2.27	3.11	3.78	2.93	3.24	2.03	1.47	0.85	0.78	17.99	29.52	29.42
70%	0.95	1.13	1.91	3.36	4.87	5.21	5.82	5.42	4.39	3.68	1.73	1.53	22.96	34.80	35.47
mean	0.82	0.89	1.58	2.99	4.32	4.71	4.32	4.35	3.35	2.74	1.57	1.23	21.05	32.87	32.84