WETLAND DELINEATION REPORT

06/17/2025

2025-96 Giffort Avenue NE Monticello, MN

Jacobson Environmental, PLLC jacobsonenv@msn.com

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Environmental Consultants

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Table of Contents	•
1.0 SUMMARY	2
2.0 METHODS	3
2.1 EXISTING INFORMATION REVIEW	3
2.1.1 Antecedent Precipitation	3
2.1.2 National Wetlands Inventory	3
2.1.3 Web Soil Survey	3
2.1.4 Public Waters Inventory	3
2.1.5 Topographic Map	3
2.2 FIELD DELINEATION	4
2.2.1 Vegetation	4
2.2.2 Hydric Soils	5
2.2.3 Cautions Used in Applying the Field Indicators of Hydric Soils	
3.0 RESULTS	
3.1 WETLAND BASIN DESCRIPTIONS	6

Appendices

Appendix A Antecedent Precipitation Data

Appendix B Sample Data Sheets

Appendix C Site Photographs

Appendix D Wetland Type and Boundary Approval Forms

Figures

Figure 1 Site Location Map

Figure 2 National Wetland Inventory Map

Figure 3 Soils Map

Figure 4 Public Waters Inventory Map

Figure 5 Delineation Map

Figure 6 Topographic Map

Figure 7 Hydric Soil Rating Map

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1.0 SUMMARY

Jacobson Environmental, PLLC (JE) visited the project site at PID 213000191202 on 06/16/2025. The site was approximately 19.85 acres in size, and was located at Section 19, T121N, R24W, Monticello, Minnesota. See Figure 1 for a Site Location Map.

The purpose of the investigation was to identify areas within the project boundary meeting the technical criteria for wetlands, delineate the jurisdictional extent of the wetland basins, and classify the wetland habitat according to the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation: Midwest Region.

Wetlands are areas that are saturated or inundated with surface and or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in hydric soil conditions. Examples of wetlands include seasonally flooded basins, floodplain forests, wet meadows, shallow and deep marshes, shrub swamps, wooded swamps, fens, and bogs.

Wetland boundaries were determined through a routine analysis of the vegetation, soils and hydrology which must all show wetland characteristics for an area to be delineated as a wetland.

Two basins were delineated within the project area, which is summarized below and shown on Figure 5.

Basin ID	HGM Class	Cowardin	Eggers & Reed	Dominant Vegetation	Size (acres)
1	Depressional	PEMC	Wet meadow/shallow marsh	Reed canary grass, narrowleaf cattail	12.467
2	Depressional	PEMA	Seasonally flooded basin	Reed canary grass	0.035

All figures and appendices referenced by this report are presented at the end of the text.

This wetland delineation was performed by Jacobson Environmental, PLLC under the direction of Wayne Jacobson, Minnesota Professional Soil Scientist #30611, Society of Wetland Scientists – Professional Wetland Scientist #1000, University of Minnesota / BWSR Wetland Delineator, Certified #1019, American Fisheries Society – Associate Fisheries Scientist #A-171.

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2.0 METHODS

2.1 EXISTING INFORMATION REVIEW

Prior to field delineation, Jacobson Environmental reviewed the following information:

2.1.1 Antecedent Precipitation

The previous three month's precipitation data obtained from the Minnesota State Climatology Office suggest that the sampling period occurred under normal conditions. Antecedent precipitation data can be found in Appendix A. The growing season in this area is approximately from mid-April to mid-October, when the air temperature averages above 28 degrees F. This delineation was completed during the growing season.

2.1.2 National Wetlands Inventory

The National Wetlands Inventory (NWI) identified one PEM1Cd wetland complex within the property boundary (Figure 2).

2.1.3 Web Soil Survey

The National Resource Conservation Service Web Soil Survey (Figure 7) identified the following soils:

Soil	Hydric Rating				
Lester loam	2				
Cordova clay loam	90				
Glencoe clay loam	100				
Muskego, Blue Earth, and Houghton soils	100				
Angus Ioam	5				

2.1.4 Public Waters Inventory

The Minnesota Department of Natural Resources Public Waters Inventory shows that no public waters exist on the property (Figure 4).

2.1.5 Topographic Map

A topographic map with aerial photo overlay was obtained from Wright County (Figure 6). This map was reviewed for suspected wetland areas based on topography and vegetative cover.

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2.2 FIELD DELINEATION

The wetlands on the subject property were delineated using the routine determination methodology set forth in the 1987 U.S. Army Corps of Engineers *Wetlands Delineation Manual* and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation: Midwest Region as follows:

- 1) The vegetative community was sampled in all present strata to determine whether 50% of the dominant plant species were hydrophytic using the 50/20 method.
- 2) Soil pits were dug using a Dutch auger to depths of 18"-40", noting soil profiles and any hydric soil characteristics.
- 3) Signs of wetland hydrology were noted and were compared to field criteria such as depth to shallow water table and depth of soil saturation found in the soil pits.

Transects were established in representative areas of each wetland. Each transect consisted of one sample point within the wetland and one sample point in upland. Other areas which have one or more of the wetland vegetation, soils, or hydrologic characteristics present, or where questionable conditions exist may also have been sampled. Data sheets for each sample point are available in Appendix B.

Wetland classifications discussed in the text are set forth in *Wetlands and Deepwater Habitats of the United States* (FWS/OBS Publication 79/31, Cowardin et al. 1979) and *Wetlands of the United States* (USFWS Circular 39, Shaw and Fredine, 1971.) Additionally, plant community types as named by Eggers and Reed (1998) are given.

Wetland edges were marked with orange numbered pin flags. 4-foot wood lath marked with orange "wetland boundary" flagging tape or flagging tied on vegetation may be used if site conditions warrant. Sample points are marked with orange numbered pin flags.

Any wetlands or sample points were mapped using GPS.

2.2.1 Vegetation

The plant species within the parcel were cataloged and assigned a wetland indicator status according to: *The National Wetland Plant List:* 2021 Wetland Ratings http://wetland-plants.usace.army.mil/

In the text of this report and on the enclosed data forms, the plant indicator status follows the plant's scientific name unless a status has not been assigned. The hydrophytic plant criterion is met when more than 50 percent of the dominant species by the 50/20 rule for each stratum (herb, shrub/sapling, tree, and

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woody vine) were assigned an obligate (OBL)¹, facultative wet (FACW), and/or facultative (FAC) wetland status.

With the 50/20 rule, dominants are generally measured by absolute % cover in each stratum which individually or collectively account for more than 50% of total vegetative cover in the stratum, plus any other species which itself accounts for at least 20% of the total vegetative cover.

2.2.2 Hydric Soils

A hydric soil is a soil formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part. If a soil exhibits the indicators of a hydric soil or is identified as a hydric soil the hydric soil criterion is met.

The break between hydric and non-hydric soils was determined by excavating soil pits along transects crossing the wetland/upland eco-tone and evaluating the soil colors, textures, and presence or absence of redoximorphic indicators (i.e., mottles, gley or oxidized rhizospheres). Hydric Soil Indicators for the Midwest Region were noted as presented in the National Technical Committee for Hydric Soils *Field Indicators of Hydric Soils in the United States version 8.2* (USDA NRCS 2018) if present at each sample point. Upper soil profiles were also compared to the mapped or inclusionary soil series found in the sample area for soil identification purposes.

2.2.3 Cautions Used in Applying the Field Indicators of Hydric Soils

There are hydric soils with morphologies that are difficult to interpret. These include soils with black, gray, or red parent material; soils with high pH; soils high or low in content of organic matter; recently developed hydric soils, and soils high in iron inputs. In some cases, we do not currently have indicators to assist in the identification of hydric soils in these situations. If the soil meets the definition of a hydric soil, the lack of an indicator does not preclude the soil from being hydric. The indicators were developed mostly to identify the boundary of hydric soil areas and generally work best on the margins. Not all the obviously wetter hydric soils will be identified by the indicators. Redoximorphic features are most likely to occur in soils that cycle between anaerobic (reduced) and aerobic (oxidized) conditions.

Morphological features of hydric soils indicate that saturation and anaerobic conditions have existed under either contemporary or former hydrologic regimes. Where soil morphology seems inconsistent with the landscape, vegetation, or observable hydrology, it may be necessary to obtain the assistance of an experienced soil or wetland scientist to determine whether the soil is hydric.

To clarify, when investigating hydric soils in this area, one must consider the following:

OBL=Obligate Wetland, occurs an estimated 99% in wetlands. FACW=Facultative Wetland, has an estimated 67%-99% probability of occurrence in wetlands. FAC=Facultative, is equally likely to occur in wetlands and non-wetlands, 34%-66% probability. FACU=Facultative Upland, occurs in wetlands only occasionally, 1%-23% probability. UPL=Upland, almost never occurs in wetlands, <1% probability. NI= No Indicator, insufficient information available to determine an indicator status. Positive or negative sign previously indicated a frequency toward higher (+) or lower (-) frequency of occurrence within a category.

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- Many of these soils have black or gray parent materials.
- Many of the soils have a high organic matter content.
- The hydric soil margin is typically higher than the wetland boundary margin on the site.
- Not all the obviously wetter soils will be identified by the indicators.
- Many of the hydric soils are Mollisols which are classic problem hydric soils in many cases.

3.0 RESULTS

3.1 WETLAND BASIN DESCRIPTIONS

Basin 1

Basin 1 was an approximately 12.467 acre, depressional, PEMC, wet meadow/shallow marsh wetland. The basin was dominated by reed canary grass and narrowleaf cattail.

Hydrology indicators included inundation and saturation.

Wetland soils met indicators F1, loamy mucky mineral.

Adjacent upland was typically dominated by quaking aspen and common buckthorn. Primary hydrology indicators were not observed at the upland sample point, and no hydric soil indicators were found in the upland sample point soil.

The wetland boundary followed a change in vegetation from wetland to upland plant communities, as well as a gradual change in topography. The basin was shown as a PEM1Cd wetland on the NWI map (Figure 2) and was located within an area mapped as Glencoe (RATING=100) by the Web Soil Survey (Figure 7).

Sample data sheets 1-1UP, 1-1WET, 1-2UP and 1-2WET in Appendix B correspond to this basin.

Basin 2

Basin 2 was an approximately 0.035 acre, depressional, PEMA, seasonally flooded basin wetland. The basin was dominated by reed canary grass.

Hydrology indicators included saturation.

Wetland soils met indicators F1, loamy mucky mineral.

Adjacent upland was typically dominated by quaking aspen and common buckthorn. Primary hydrology indicators were not observed at the upland sample point, and no hydric soil indicators were found in the upland sample point soil.

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The wetland boundary followed a change in vegetation from wetland to upland plant communities, as well as a gradual change in topography. The basin was not shown as a wetland on the NWI map (Figure 2) and was located within an area mapped as Glencoe (RATING=100) by the Web Soil Survey (Figure 7).

Sample data sheets 2-UP and 2-WET in Appendix B correspond to this basin.

4.0 CONFIRMATION OF JURISDICTIONAL STATUS

Jacobson Environmental is submitting this report to the client and regulatory agencies to request a wetland boundary and type determination. We have enclosed an official WCA Approval of Wetland Type and Boundary form in Appendix D along with a USCOE wetland delineation concurrence request.

5.0 CERTIFICATION

I certify that this wetland delineation meets the standards and criteria described in the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation: Midwest Region. This was a Routine On-Site Determination and the results reflect the conditions present at the time of the delineation.

I certify that this report has been prepared in accordance with regulatory standards. Thank you for the opportunity to provide wetland services on this important project.

If any wetland impacts are planned for this project, permits would be necessary from the LGU and other agencies.

Wayne E. Jacobson

Professional Soil Scientist #30611 Professional Wetland Scientist #1000 Wetland Delineator, Certified #1019 Associate Fisheries Scientist #A-171

Jacobson Environmental, PLLC.

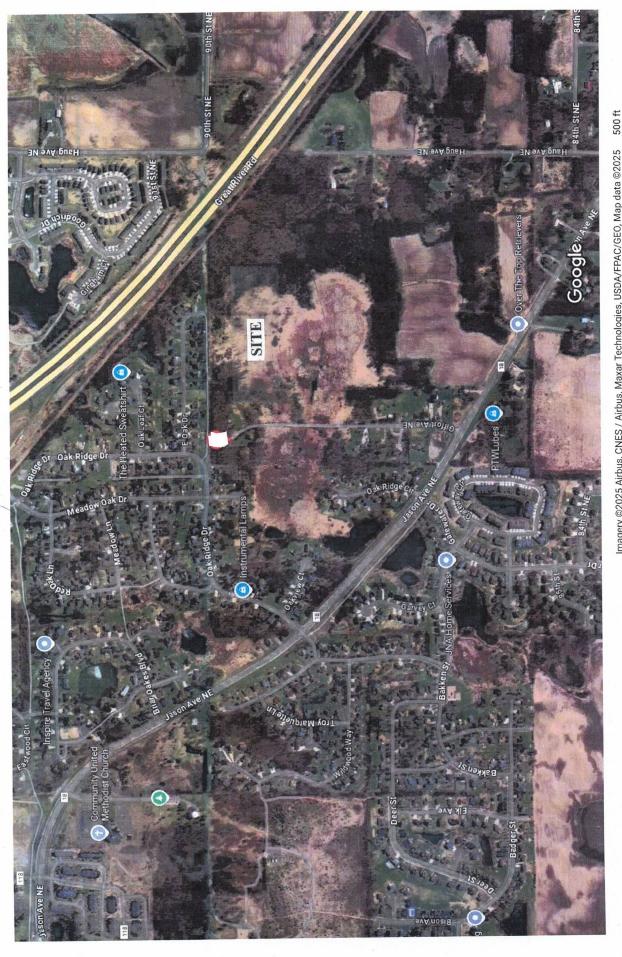
06/17/2025

Date

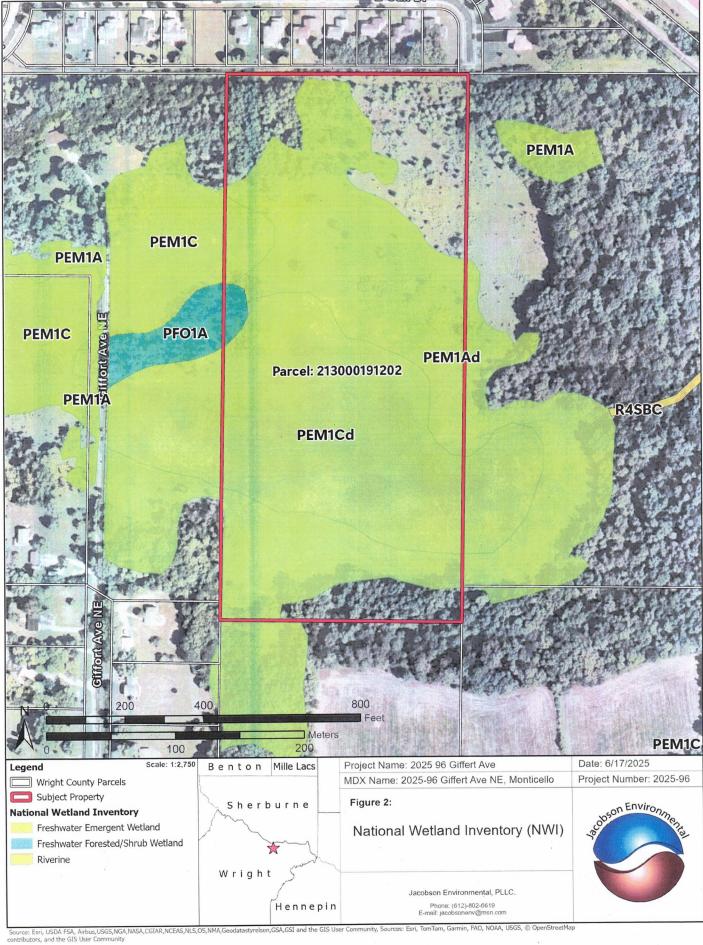
7

FIGURES

Figure 1 Site Location Map



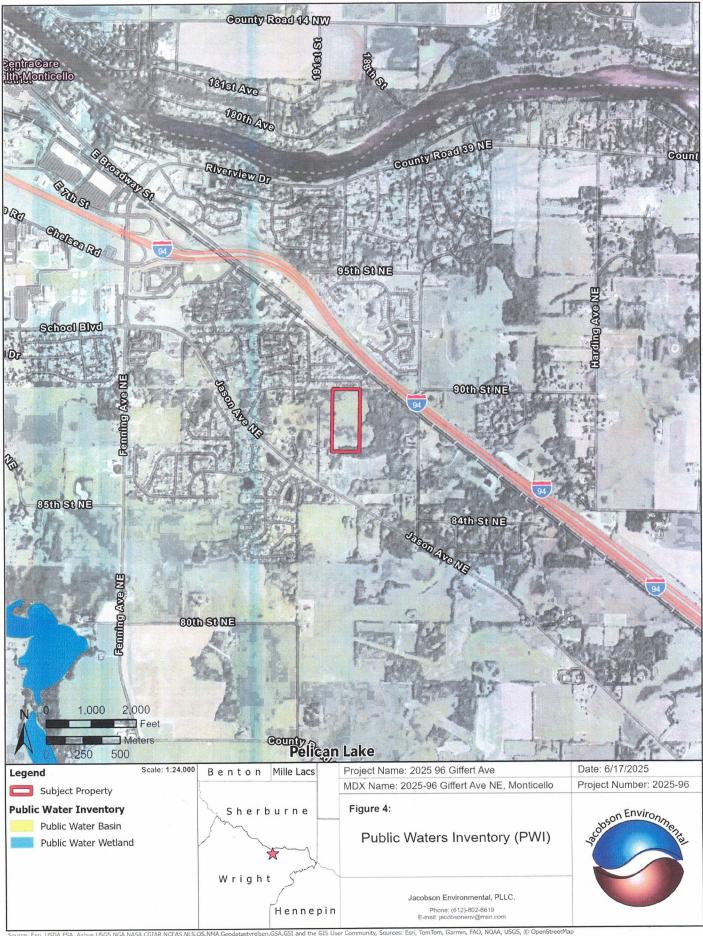
Imagery ©2025 Airbus, CNES / Airbus, Maxar Technologies, USDA/FPAC/GEO, Map data ©2025





Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
106C2	Lester loam, 6 to 10 percent slopes, moderately eroded	4.3	22.7%
109	Cordova clay loam, 0 to 2 percent slopes	0.0	0.0%
114	Glencoe clay loam, 0 to 1 percent slopes	5.0	26.0%
1203	Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes	9.1	47.7%
1362B	Angus loam, 2 to 6 percent slopes	0.7	3.6%
Totals for Area of Interest		19.1	100.0%



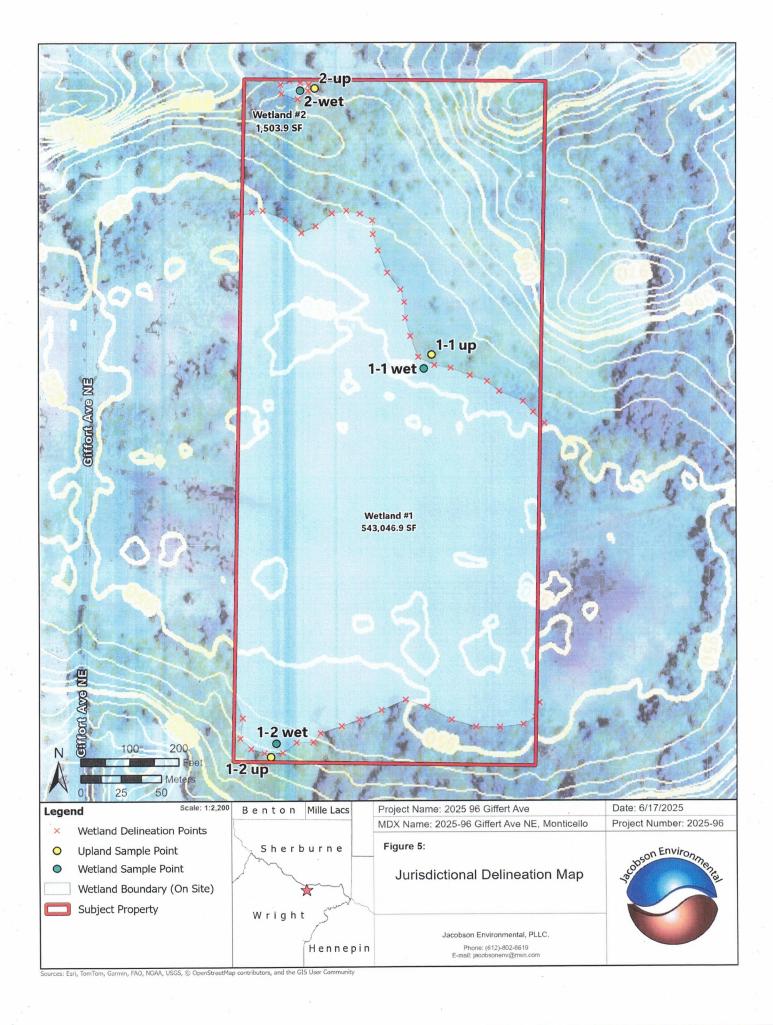
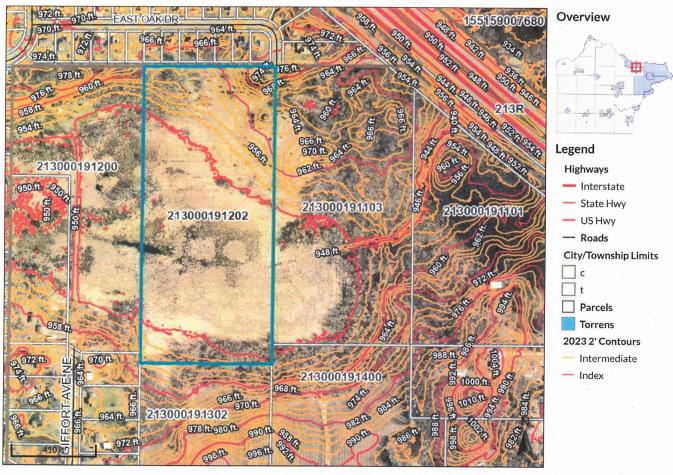


Figure 6 Site Map





Parcel ID Sec/Twp/Rng 213000191202 19-121-024

Alternate ID (2902) TOWN OF MONTICELLO-0882 Class

Acreage

111 - 2B/1B RURAL VACANT LAND

19.85 Acres

Property Address District

Brief Tax Description

111-5125

SECT-19 TWP-121 RANGE-024 UNPLATTED LAND MONTICELLO TWP1 19.85 AC N 20 A OF LOT A OF W 1-2 NE

Taxpayer Address n/a

(Note: Not to be used on legal documents)

Date created: 5/18/2025 Last Data Uploaded: 5/18/2025 4:42:19 AM





Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
106C2	Lester loam, 6 to 10 percent slopes, moderately eroded	2	4.3	22.7%
109	Cordova clay loam, 0 to 2 percent slopes	90	0.0	0.0%
114	Glencoe clay loam, 0 to 1 percent slopes	100	5.0	26.0%
1203	Muskego, Blue Earth, and Houghton soils, ponded, 0 to 1 percent slopes	100	9.1	47.7%
1362B	Angus Ioam, 2 to 6 percent slopes	5	0.7	3.6%
Totals for Area of Inter	rest	19.1	100.0%	

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

MAP LEGEND

Interstate Highways Aerial Photography Major Roads Local Roads **US Routes Transportation** Background Not rated or not available Area of Interest (AOI) Hydric (33 to 65%) Hydric (66 to 99%) Hydric (1 to 32%) Not Hydric (0%) Hydric (100%) Soil Rating Polygons Area of Interest (AOI)

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000

Warning: Soil Map may not be valid at this scale.

contrasting soils that could have been shown at a more detailed misunderstanding of the detail of mapping and accuracy of soil Enlargement of maps beyond the scale of mapping can cause line placement. The maps do not show the small areas of scale.

Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Coordinate System: Web Mercator (EPSG:3857) Web Soil Survey URL:

distance and area. A projection that preserves area, such as the Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Wright County, Minnesota Survey Area Data: Version 18, Sep 7, 2024

Not rated or not available

Hydric (66 to 99%) Hydric (33 to 65%)

Hydric (100%)

Soil Rating Points

Hydric (1 to 32%)

臘 Not Hydric (0%)

Hydric (33 to 65%)

Hydric (1 to 32%)

Not Hydric (0%)

Hydric (66 to 99%)

Hydric (100%)

Soil Rating Lines

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Jun 29, 2023—Sep

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Not rated or not available

Streams and Canals

Water Features

USDA

APPENDIX A

Precipitation Data

Minnesota State Climatology Office

State Climatology Office - DNR Division of Ecological and Water Resources

home | current conditions | journal | past data | summaries | agriculture | other sites | about us



Precipitation Worksheet Using Gridded Database

Precipitation data for target wetland location:

county: Wright

township number: 121N

township name: Monticello (east)

range number: 24W

nearest community: Monticello

section number: 19

Aerial photograph or site visit date:

Monday, June 16, 2025

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: May 2025	second prior month: April 2025	third prior month: March 2025
estimated precipitation total for this location:	4.20R	2.27	1.73
there is a 30% chance this location will have less than:	2.60	1.89	1.11
there is a 30% chance this location will have more than:	5.27	3.31	1.79
type of month: dry normal wet	normal	normal	normal
monthly score	3 * 2 = 6	2 * 2 = 4	1 * 2 = 2
multi-month score: 6 to 9 (dry) 10 to 14 (normal) 15 to 18 (wet)		12 (Normal)	

Other Resources:

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

APPENDIX B Sample Data Sheets

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

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

Project/Site: Giffort Ave NE		City/Cour	nty: Montice	llo	Sampling Date:	06/16/2025
Applicant/Owner: Norm Herauf				State: MN	Sampling Point:	1-1UP
Investigator(s): WEJ	•	Section, T	ownship, Rai	nge: Section 19, T121	N, R24W	
Landform (hillside, terrace, etc.): hillside		L	.ocal relief (c	oncave, convex, none):	convex	
Slope (%): 2 Lat:					Datum:	
Soil Map Unit Name: Lester			·	NWI classif		
· · · · · · · · · · · · · · · · · · ·	I for this time of w	ear?	Yes X			
Are climatic / hydrologic conditions on the site typica						
Are Vegetation, Soil, or Hydrology				the state of the s		'
Are Vegetation, Soil, or Hydrology				plain any answers in Rei	•	
SUMMARY OF FINDINGS – Attach site r	nap showing	samplin	g point lo	cations, transects	, important fea	tures, etc.
	No	ls the	Sampled Ar	rea		
	No X	within	a Wetland?	Yes	No <u>X</u>	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks:						
·						
						<u> </u>
VEGETATION – Use scientific names of p			·····			
Tree Stratum (Plot size: 30)		Dominant Species?	Indicator Status	Dominance Test wo	ksheet:	•
1. Acer negundo	20	Yes	FAC	Number of Dominant		
2.	<u> </u>			Are OBL, FACW, or F	•	4 (A)
3.				Total Number of Dom	inant Species	
4.				Across All Strata:		5(B)
5.				Percent of Dominant	Species That	
	20 =T	otal Cover		Are OBL, FACW, or F	AC: 80).0%(A/B)
Sapling/Shrub Stratum (Plot size: 15	_)					
Viburnum lentago	50	Yes	<u>FAC</u>	Prevalence Index wo		
2. Rhamnus cathartica	<u> </u>	Yes	<u>FAC</u>	Total % Cover of		
3.					x1= 5 x2=	<u>0</u> 50
4						300
5		otal Cover				220
. (Distance F		otal Cover			x5=	0
Herb Stratum (Plot size: 5) 1. Solidago altissima	35	Yes	FACU	· · · · · · · · · · · · · · · · · · ·		570 (B)
Solidago altissima Phalaris arundinacea		Yes	FACW	Prevalence Index	·	
3. Galium boreale	15	No	FAC			
4. Rubus idaeus	10	No	FACU	Hydrophytic Vegeta	tion Indicators:	
5. Cirsium arvense	5	No	FACU		r Hydrophytic Vege	tation
6. Parthenocissus quinquefolia	5	No	FACU	X 2 - Dominance T		
7.				3 - Prevalence In		
8.				l · · ·	I Adaptations ¹ (Prov	
9.	<u></u>				ks or on a separate rophytic Vegetation	
10		Total Commi			• • •	
	95 =T	otal Cover		¹ Indicators of hydric s be present, unless di		
Woody Vine Stratum (Plot size: 30	_ '				orarpod or propietti	
1.				Hydrophytic Vegetation		
2		Total Cover	-	_	X No	
Remarks: (Include photo numbers here or on a se						

Sampling Point: 1-1UP

Profile Des	cription: (Describe	to the dep				ator or c	onfirm the a	bsence of	findicators.)		
Depth	Matrix			c Featur		2	- .			Damarka	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Textu			Remarks	
0-12	10YR 2/1	100				-	Loamy/C	ayey		loam	
12-16	10YR 3/2	100_					Sand	<u>y</u>		sandy loam	
16-24	10YR 4/2	98	7.5YR 4/6	2	C_	M	Sand	у	Prominent	redox conce	ntrations
		-									
	·										
		 .									
								<u> </u>			
¹ Type: C=C	Concentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked San	d Grains			PL=Pore Lin		
Hydric Soil	Indicators:						ļ		for Problem		Solis:
Histoso	l (A1)		Sandy Gle	yed Ma	trix (S4)		_		Prairie Redo		
Histic E	pipedon (A2)		Sandy Red						anganese Ma		
Black H	listic (A3)		Stripped M				_		arent Materia		
Hydrog	en Sulfide (A4)		Dark Surfa				-		Shallow Dark) :
Stratifie	d Layers (A5)		Loamy Mu	-			_	Other	(Explain in R	emarks)	
2 cm M	uck (A10)		Loamy Gle							•	
Deplete	ed Below Dark Surface	e (A11)	Depleted I	•				3		da	and
Thick D	ark Surface (A12)		Redox Da		• •		•		of hydrophyl	_	
Sandy	Mucky Mineral (S1)		Depleted I)			id hydrology i		
5 cm M	ucky Peat or Peat (S	3)	Redox De	pression	ns (F8)	,		unless	disturbed or	problematic.	
Restrictive	Layer (if observed):					-	•				
Type:											
Depth (inches):					İ	Hydric Soi	l Present	?	Yes	No X
HYDROL	OGY										
	ydrology Indicators:								1 . 1		الممشنية المسامية
Primary Inc	dicators (minimum of	one is requ					 		y Indicators (wo requirea)
Surface	e Water (A1)		Water-Sta))			ce Soil Crack		
High W	/ater Table (A2)			Aquatic Fauna (B13) True Aquatic Plants (B14)					age Patterns		
Satura	tion (A3)					4.	Dry-Season Water Table (C2) Crayfish Burrows (C8)				
l ——	Marks (B1)		Hydrogen				lanta (C3)		isn Burrows (ation Visible		nery (C9)
1	ent Deposits (B2)						Roots (C3)		ed or Stresse		
	eposits (B3)		Presence				ile (C6)		norphic Positi		,
	Mat or Crust (B4)		Recent In			illea 50	113 (CO)		Neutral Test		
	eposits (B5)		Thin Muc						roudal 163l	(20)	
	tion Visible on Aerial					٠١					
	ely Vegetated Concav	e Surface	(B8) Other (Ex	piaili in	Cillaiks	·)	Т				
Field Obs			Nia V	Donah	(inches):		1				
		es	No X No X	•	(inches): (inches):		•				
l .		es X	No _ A_	•	(inches):		· Wetland	l Hydrolog	y Present?	Yes	No_X
Saturation	capillary fringe)	··		Doptil	(),		-				
Describe F	Recorded Data (strear	n gauge, r	nonitoring well, aeri	al photo	os, previo	us inspe	ections), if ava	ilable:			
Remarks:											
1											
İ											

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

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

Project/Site: Giffort Ave NE	City/County: Mont	icello	Sampling Date:	06/16/2025
Applicant/Owner: Norm Herauf		State: MN	Sampling Point:	1-1WET
Investigator(s): WEJ	Section, Township,	Range: Section 19, T121N	I, R24W	
Landform (hillside, terrace, etc.): depression	Local relie	f (concave, convex, none): o	concave	
Slope (%): 1 Lat:			Datum:	
Soil Map Unit Name: Glencoe		NWI classifi	ication: PEMC	
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes X	•		<u> </u>
Are Vegetation , Soil , or Hydrology significant	ly disturbed? Are "Norm	al Circumstances" present?	Yes X No	o
Are Vegetation , Soil , or Hydrology naturally p		explain any answers in Ren		
SUMMARY OF FINDINGS – Attach site map show	ving sampling point	locations, transects,	important fea	atures, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks:	Is the Sampled within a Wetla		No	
NEGETATION III and the second of the second				
VEGETATION – Use scientific names of plants. Absolut	e Dominant Indicator	-		
Tree Stratum (Plot size: 30) % Cove		Dominance Test wor	ksheet:	
1. Acer negundo 5 2.	Yes FAC	Number of Dominant S Are OBL, FACW, or FA	••	3 <u>,</u> (A)
3. 4.		_ Total Number of Domi Across All Strata:	nant Species	3 (B)
5	=Total Cover	Percent of Dominant S Are OBL, FACW, or FA	•	00.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)				
1		Prevalence Index wo		
2.		Total % Cover of:		
3.		OBL species 0		0
4		FACW species 95		<u>190</u> 15
5.	=Total Cover	FACU species 0		0
Herb Stratum (Plot size: 5)		UPL species 0		0
Herb Stratum (Plot size:5) 1. Phalaris arundinacea 70	Yes FACW			205 (B)
2. Solidago gigantea 25	Yes FACW	-		
3. 4		Hydrophytic Vegetati	ion Indicators:	etation
6.		X 2 - Dominance Te	est is >50%	
7.		X 3 - Prevalence Inc	dex is ≤3.0¹	
8.		4 - Morphological	Adaptations ¹ (Prov	vide supporting
9.		data in Remark	s or on a separate	sheet)
10.	<u> </u>	Problematic Hydro	ophytic Vegetation	¹ (Explain)
Woody Vine Stratum (Plot size: 30)	=Total Cover	¹ Indicators of hydric so be present, unless dis		
1		HydrophyticVegetation		,
	=Total Cover	Present? Yes	X No	
Remarks: (Include photo numbers here or on a separate shee	t.)		*	

Sampling Point: 1-1WET

Depth Matrix Redox Features Color (moist) % Type¹ Loc² Texture Remarks	loam concentrations Matrix. rdric Soils ³ :
0-8 10YR 2/1 100	loam concentrations Matrix. rdric Soils ³ :
8-16 10YR 3/1 100 Sandy Sandy Indicators (Minimum of one is required: check all that apply) Sandy Prominent redox Sandy Sandy Prominent redox Sandy Prominent redox Sandy Prominent redox As Sandy Prominent redox Sandy Roll Sandy Prominent redox Location: PL=Pore Lining, M= Phydric Soil Indicators: Indicators for Problematic Hy Coast Prairie Redox (A16) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (Indicators Sandy Redox (S5) Iron-Manganese Masses (Indicators Sandy Redox (S6) Iron-Manganese Masses (Indicators Sandy Redox Sandy Mucky Mineral (F1) Sandy Mucky Mineral (S1) Depleted Matrix (F2) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Wetland Hydrology must be unless disturbed or problet Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes_ Primary Indicators (minimum of one is required: check all that apply) Secondary Indicators (minimum of Sandy Redox Redox Dark Surface) Secondary Indicators (minimum of Sandy Redox Redox Redox Sandy Redox	oam concentrations Matrix. ydric Soils ³ :
16-24 10YR 5/2 95 7.5YR 4/6 5 C M Sandy Prominent redox 17ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 17ype: Indicators of Pto-Depletation, f Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletation of Pto-Depletatio	Matrix.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Indicators for Problematic Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (Indicators Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Surface (S7) Stratified Layers (A5) Z com Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be unless disturbed or problet Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes Hydric Soil Present? Yes Primary Indicators (minimum of one is required: check all that apply) Secondary Indicators (minimum of one is required: check all that apply) Secondary Indicators (minimum of the is required; check all that apply) Secondary Indicators (minimum of the is required; check all that apply) PLagrange Taylor (A15) PLepore Lining, M= Accastion: PL=Pore Lining, M= Indicators of Pcolematic PLepore Lining, M= Indicators for Problematic PLepore Lining, M= Plagrange Taylor Place (A16) PLepore Lining, M= Accastion: PLepore Lining, M= Accast	·Matrix. /dric Soils³:
Hydric Soil Indicators: Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (I Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface Stratified Layers (A5) Zom Muck (A10) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sondy Mucky Mineral (S1) Sondy Mucky Mineral (S1) Sondy Mucky Peat or Peat (S3) Redox Depressions (F8) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes Hydric Soil Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum	/dric Soils ³ :
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Hydric Soil Indicators: Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (I Black Histic (A3) Stripped Matrix (S6) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface Stratified Layers (A5) Zom Muck (A10) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Some Mucky Peat or Peat (S3) Redox Depressions (F8) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum) Coast Prairie Redox (A16) Coast Prairie Redox (A16) Iron-Manganese Masses (I Red Parrire Masses (I Red Parrire Redox (A16) Iron-Manganese Masses (I Red Parrie Redox (A16) Iron-Manganese Masses (I Red Parrie Redox (A16) Iron-Manganese Masses (I Red Parrire Masses (I Red Parrie Mas	/dric Soils ³ :
Histosol (A1) Histosol (A2) Sandy Redox (S5) Iron-Manganese Masses (I Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (S6) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Z Loamy Mucky Mineral (F1) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (F3) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Endow Depressions (F8) Redox Depressions (F8) Hydric Soil Present? Yes_ Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Secondary Indicators (minimum Deprete (R8)	
Histos Epipedon (A2) Black Histic (A3) Black Histic (A3) Black Histic (A3) Black Histic (A3) Black Histic (A4) Black Histic (A3) Black Histic (A5) Black Hist	=12)
Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface Stratified Layers (A5) X Loamy Mucky Mineral (F1) Other (Explain in Remarks 2 cm Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8) unless disturbed or problet Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes_ Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Secondary Indicators (minimum	F12)
Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface Stratified Layers (A5) Z cm Muck (A10) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sem Mucky Mineral (S1) Depleted Dark Surface (F6) Som Mucky Peat or Peat (S3) Redox Depressions (F8) Restrictive Layer (if observed): Type: Depth (inches): Remarks: Hydric Soil Present? Yes_ Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum	
Stratified Layers (A5) X Loamy Mucky Mineral (F1) Other (Explain in Remarks 2 cm Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) SIndicators of hydrophytic vege Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be unless disturbed or problet Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes_ Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of Sail Creates (P6)	
2 cm Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be unless disturbed or problet From Mucky Peat or Peat (S3) Redox Depressions (F8) unless disturbed or problet Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes_ Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8) Redox Depressions (F8) Restrictive Layer (if observed): Type: Depth (inches): Remarks: Hydric Soil Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of the is required; check all that apply) Purpose Soil Creater (R9))
Thick Dark Surface (A12) Redox Dark Surface (F6) 3Indicators of hydrophytic vege Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be unless disturbed or problet Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes_ Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of Sall Creater (F6) 3Indicators of hydrophytic vege wetland hydrology must be unless disturbed or problet unless disturbed or problet hydric Soil Present? Yes_ Secondary Indicators (minimum of Sall Creater (F6) Secondary Indicators (minimum of Sall Creater (F6)	
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8) unless disturbed or problet rype: Depth (inches): Hydric Soil Present? Yes_ Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of One is required; Check all that apply) Secondary Indicators (minimum of One of One of Check all that apply) Secondary Indicators (minimum of One of Check all that apply)	
	tation and
Restrictive Layer (if observed): Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Seil Creeke (RS)	
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum Surface Seil Creeke (RS)	natic.
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Seil Cracke (PS)	
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Seil Cracke (PS)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply)	_XNo
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply)	
Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Sail Creaks (PS)	
Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of one is required; check all that apply) Surface Sail Creaks (PS)	
Confee Cail Creaks (PC)	m of two required
High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10)	
X Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table ((C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)	
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aeria	
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plant	
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)	
Iron Deposits (B5) Thin Muck Surface (C7) X FAC-Neutral Test (D5)	
Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)	
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes X No Depth (inches): 14	
Saturation Present? Yes X No Depth (inches): 6 Wetland Hydrology Present? Yes	
(includes capillary fringe)	
Catalation resents	
(includes capillary fringe)	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region

See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

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

Project/Site: Giffort Ave NE	·	City/Cou	nty: Montice	llo	_ Sampling Date:	06/16/2025
Applicant/Owner: Norm Herauf				State: MN	Sampling Point:	1-2UP
Investigator(s): WEJ		Section, T	ownship, Ra	nge: Section 19, T12	1N, R24W	
Landform (hillside, terrace, etc.): hillside			Local relief (c	concave, convex, none): convex	
Slope (%): 2 Lat:		Long:			Datum:	
Soil Map Unit Name: Glencoe				NWI class		
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes X	No (If no, e	xplain in Remarks.)	
Are Vegetation, Soil, or Hydrology						lo
Are Vegetation, Soil, or Hydrology				plain any answers in R		
SUMMARY OF FINDINGS – Attach site r				-		atures. etc.
SOWIMANT OF FINDINGS - Attach site i			9 0			
	No <u>X</u>	1	Sampled A		N. V	•
·	NoX	withii	n a Wetland	? Yes	NoX	
Wetland Hydrology Present? Yes	No <u>X</u>					
Remarks:				•		
VEGETATION – Use scientific names of p	lants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test w		
Acer negundo 2.		Yes	FAC	Number of Dominar Are OBL, FACW, or	•	1 (A)
3.				Total Number of Do	minant Species	
4.				Across All Strata:	·	2 (B)
5.				Percent of Dominar	•	
	<u>75 </u>	Total Cover		Are OBL, FACW, or	FAC:	60.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15	_)			Prevalence Index	workshoot:	
1.				Total % Cover		lv bv:
2.				OBL species	0 x1=	0
3.				FACW species	15. x 2 =	30
4				FAC species	85 x 3 =	255
J	=	Total Cover		FACU species	70 x 4 =	280
Herb Stratum (Plot size: 5)				UPL species	0 x 5 =	0
1. Solidago altissima	60	Yes	FACU	Column Totals:	170 (A)	565 (B)
2. Phalaris arundinacea	15	No	FACW	Prevalence Inde	x = B/A = 3.3	32
3. Galium boreale	10	No	FAC			
4. Fragaria virginiana	10	<u>No</u>	FACU	Hydrophytic Vege		
5					for Hydrophytic Veg	etation
6				2 - Dominance		
7				3 - Prevalence	index is ≤3.0° cal Adaptations¹ (Pro	wido aunnortin
8					arks or on a separat	
9.					drophytic Vegetatio	
10	95 =	Total Cover			soil and wetland h	
Woody Vine Stratum (Plot size: 30)	, Julian Coven			disturbed or problen	
1.	_			Hydrophytic		
2.				Vegetation	es No_>	_
		Total Cover		Present? Ye		

	cription: (Descri					ator or	confirm the	absence of	indicators.)		
Depth	Matrix			x Featur		12			_		
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Textu		Re	marks	
0-14	10YR 2/1	<u> </u>					Loamy/C	layey		oam	
14-24	10YR 3/1	100					Loamy/C	layey		oam	
				•							
			· · · · · · · · · · · · · · · · · · ·								
-			 		-						
								 -			
<u></u>											
¹ Type: C=C	oncentration, D=D	epletion, RM=F	Reduced Matrix,	MS=Mas	ked Sand	Grains			PL=Pore Lining,	_	· · · · · · · · · · · · · · · · · · ·
Hydric Soil	Indicators:							Indicators	for Problemation	Hydric Sc	oils³:
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)			Coast F	Prairie Redox (A	16)	
Histic Ep	oipedon (A2)		Sandy Re	`. '					anganese Masse		
Black Hi	stic (A3)		Stripped I		3)				rent Material (F2	.*	
	n Sulfide (A4)		Dark Surf	. ,					hallow Dark Surf		
	d Layers (A5)		Loamy Mi	•				Other (Explain in Rema	rks)	
	ıck (A10)		Loamy GI	•	, ,				•		
l ——	d Below Dark Surf	ace (A11)	Depleted	,	,			3			
	ark Surface (A12)		Redox Da		, ,				of hydrophytic ve		
	lucky Mineral (S1)		Depleted			l			d hydrology must	•	t,
5 cm Mu	icky Peat or Peat	(S3)	Redox De	pression	s (F8)			unless	disturbed or prot	lematic.	
Restrictive	Layer (if observe	d):									
Type:											
Depth (ir	nches):						Hydric Soi	I Present?	Ye	s	NoX
Remarks:				•							
				•							
	· · · · · · · · · · · · · · · · · · ·										
HYDROLO)GY										
Wetland Hy	drology Indicato	rs:								,	
	cators (minimum.		ed; check all that	apply)				Secondary	Indicators (minir	num of two	required)
	Water (A1)		Water-Sta		aves (B9)			Surface	e Soil Cracks (B	3)	
High Wa	ater Table (A2)		Aquatic F	auna (B1	13)			Draina	ge Patterns (B10)	
Saturation	on (A3)		True Aqu	atic Plan	ts (B14)			Dry-Se	ason Water Tab	le (C2)	
Water M	larks (B1)		Hydrogen	Sulfide	Odor (C1)			h Burrows (C8)		
Sedimer	nt Deposits (B2)		Oxidized	Rhizosph	eres on l	Living F	Roots (C3)		tion Visible on A	•	ry (C9)
Drift Dep	posits (B3)		Presence						d or Stressed Pla		
Algal Ma	at or Crust (B4)		Recent Ire			illed So	ils (C6)		orphic Position (I	02)	
Iron Dep	oosits (B5)		Thin Muc				,	FAC-N	eutral Test (D5)		
Inundati	on Visible on Aeri	al Imagery (B7)	Gauge or	Well Da	ta (D9)						
Sparsely	y Vegetated Conc	ave Surface (B	B) Other (Ex	plain in F	Remarks)						
Field Obser	rvations:										
Surface Wat	ter Present?	Yes	No <u>X</u>	Depth (inches): _		.				
Water Table	Present?	Yes	No X		inches):		.				
Saturation P		Yes X	No	Depth (inches): _	14	Wetland	Hydrology	Present? Ye	s	No X
(includes ca	pillary fringe)		 				<u> </u>				
Describe Re	ecorded Data (stre	am gauge, mor	nitoring well, aeri	al photos	s, previou	s inspe	ctions), if ava	iiable:		ā	
Remarks:											

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

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

Project/Site: Giffort Ave NE		City/County:	Monticello		Sampling Date	06/16/2025
Applicant/Owner: Norm Herauf				State:MN	Sampling Point	:: <u>1-2WET</u>
Investigator(s): WEJ	;	Section, Tow	nship, Rang	e: Section 19, T121	N, R24W	
Landform (hillside, terrace, etc.): depression		Loc	al relief (co	ncave, convex, none)	concave	
Slope (%): 1 Lat:	·	Long:			Datum:	
Soil Map Unit Name: Glencoe				NWI class	ification: PEMC	
Are climatic / hydrologic conditions on the site typical fo	r this time of ye	ar? Ye	s_X_	No (If no, ex	plain in Remarks.)
Are Vegetation , Soil , or Hydrologysi			"Normal Cir	cumstances" present	? Yes X_	No
Are Vegetation, Soil, or Hydrologyn				ain any answers in Re		. '
SUMMARY OF FINDINGS – Attach site ma			point loc	ations, transects	s, important fe	eatures, etc
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No			ampled Are Wetland?	Yes X	No	
Remarks:						
VEGETATION – Use scientific names of plan	nts.					
T Out of the Control			dicator Status	Dominance Test wo	orksheet:	•
Tree Stratum (Plot size: 30) 1. Acer negundo 2.	15	Yes	FAC	Number of Dominan Are OBL, FACW, or	t Species That	2 (A)
3. 4.				Total Number of Dor Across All Strata:		2 (B)
5.	15 =To	tal Cover		Percent of Dominant Are OBL, FACW, or	•	100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			-			
1				Prevalence Index v		ply by:
2.				OBL species	0 x1=	0
3				•	95 x 2 =	190
4. 5.				• —	15 x 3 =	45
J	=Tc	tal Cover		FACU species	0 x 4 =	0
Herb Stratum (Plot size: 5)				UPL species	0 x5=_	0
Phalaris arundinacea	85		FACW		110 (A)	235 (B)
2. Solidago gigantea		No	FACW	Prevalence Index	: = B/A =2	.14
3				Hydrophytic Veget	ation Indicators:	
4					or Hydrophytic Ve	getation
5.				X 2 - Dominance		3******
6				X 3 - Prevalence I		
7. 8.					al Adaptations ¹ (P	rovide supportir
					irks or on a separa	
10.				Problematic Hy	drophytic Vegetati	on¹ (Explain)
	95 =To	otal Cover		¹ Indicators of hydric be present, unless of		
Woody Vine Stratum (Plot size: 30	<u> </u>			Hydrophytic Vegetation	·	
	=Tc	otal Cover		-	s_X_ No_	
Remarks: (Include photo numbers here or on a sepa						'

Sampling Point: 1-2WET

	ription: (Describ Matrix	c to the dep		x Featur			onfirm the absence of	
epth inches)	Color (moist)	- %	Color (moist)	%	Type ¹	Loc2	Texture	Remarks
0-18	10YR 2/1	100					Mucky Loam/Clay	mucky loam
			7.5YR 4/6	2			Loamy/Clayey	loam
18-24	10YR 5/2	<u>98</u>	7.511.4/0		_		Loamyrolayoy	
								
	•							
Type: C=C	oncentration, D=D	epletion, RM	=Reduced Matrix,	MS=Mas	ked Sand	d Grains	² Location:	PL=Pore Lining, M=Matrix.
	Indicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gl	eyed Mat	rix (S4)			Prairie Redox (A16)
Histic E	pipedon (A2)		Sandy Re	dox (S5)				anganese Masses (F12)
_	istic (A3)		Stripped I	Matrix (Se	6)			arent Material (F21)
— . Hydroge	en Sulfide (A4)		Dark Surf	ace (S7)				hallow Dark Surface (F22)
	d Layers (A5)		X Loamy M	ucky Min	eral (F1)		Other (Explain in Remarks)
2 cm M	uck (A10)		Loamy Gl	leyed Ma	trix (F2)			
Deplete	d Below Dark Surfa	ice (A11)	Depleted	Matrix (F	3)		^	
Thick D	ark Surface (A12)	•	Redox Da					of hydrophytic vegetation and
Sandy N	/Jucky Mineral (S1)		Depleted)		d hydrology must be present,
5 cm M	ucky Peat or Peat (S3)	Redox De	epression	ıs (F8)		unless	disturbed or problematic.
Restrictive	Layer (if observe	i):	-					. •
Type:								
1,500.						. [•	
Depth (i	nches):						Hydric Soil Present?	Yes X No
Depth (i							Hydric Soil Present?	Yes X No
Depth (i							Hydric Soil Present?	Yes X No
Depth (in Remarks:	DGY ydrology Indicator							
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind	OGY ydrology Indicato icators (minimum c				Pour (PO		Secondary	Indicators (minimum of two require
Depth (in the property of the	OGY ydrology Indicator icators (minimum o water (A1)		Water-St	ained Le)	Secondary Surfac	Indicators (minimum of two require e Soil Cracks (B6)
Depth (i Remarks: YDROLO Wetland Hy Primary Ind Surface High W	OGY ydrology Indicator icators (minimum o Water (A1) ater Table (A2)		Water-St Aquatic F	ained Lea	13))	SecondarySurfac	Indicators (minimum of two require se Soil Cracks (B6) ge Patterns (B10)
Depth (in the primary Industrians Westland High Wight Windows Surface High Windows Saturation Depth (in the primary Industrians Windows Sa	OGY ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3)		Water-St Aquatic F True Aqu	ained Le: Fauna (B ratic Plan	13) ts (B14)		Secondary Surfac Draina	Indicators (minimum of two require se Soil Cracks (B6) sge Patterns (B10) sason Water Table (C2)
Depth (in the content of the content	pdy ydrology Indicator (cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1)		Water-St Aquatic F True Aqu Hydroger	ained Lea Fauna (Br natic Plan n Sulfide	13) ts (B14) Odor (C1		Secondary Surfac Draina Dry-Se	Indicators (minimum of two require se Soil Cracks (B6) se Patterns (B10) sason Water Table (C2) sh Burrows (C8)
Depth (i Remarks: YDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime	pdy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) and Deposits (B2)		Water-St Aquatic F True Aqu Hydroger Oxidized	ained Le Fauna (B natic Plan n Sulfide Rhizospl	13) ts (B14) Odor (C1 heres on	l) Living R	Secondary Surfac Draina Dry-Se Crayfic	Indicators (minimum of two require se Soil Cracks (B6) se Patterns (B10) sason Water Table (C2) sh Burrows (C8)
Depth (i Remarks: YDROLO Wetland Hi Surface High W X Saturat Water ! Sedime Drift De	OGY /drology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3)		Water-St Aquatic F True Aqu Hydroger Oxidized Presence	ained Lea Fauna (Br natic Plan n Sulfide Rhizospl e of Redu	13) its (B14) Odor (C1 heres on iced Iron	l) Living R (C4)	Secondary Surfac Draina Dry-Se Crayfie oots (C3) Stunte	Indicators (minimum of two require se Soil Cracks (B6) sge Patterns (B10) eason Water Table (C2) sh Burrows (C8) stion Visible on Aerial Imagery (C9)
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M	pogy indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) and Deposits (B2) aposits (B3) at or Crust (B4)		Water-St Aquatic F True Aqu Hydroger Oxidized Presence	ained Le: Fauna (B' natic Plan n Sulfide Rhizospl e of Redu ron Redu	ts (B14) Odor (C1 heres on iced Iron ction in T	l) Living R (C4)	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte	Indicators (minimum of two require se Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1)
Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De	order (A1) ater Table (A2) ion (A3) Marks (B1) and Deposits (B2) aposits (B3) at or Crust (B4) posits (B5)	of one is requ	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	ained Lea Fauna (B' natic Plan n Sulfide Rhizosple of Redu ron Redu ck Surfac	ts (B14) Odor (C1) heres on aced Iron ction in Te (C7)	l) Living R (C4)	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte	Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
YDROLO Vetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat	ody ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ant Deposits (B2) aposits (B3) at or Crust (B4) posits (B5) ion Visible on Aeria	of one is requ al Imagery (E	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Lea Fauna (Br natic Plan n Sulfide Rhizospl e of Redu ron Redu ck Surfac r Well Da	ts (B14) Odor (C1) heres on aced Iron ction in The (C7) ata (D9)	l) Living R (C4) illed Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte	Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Depth (in Remarks: YDROLO Wetland Hy Primary Ind Surface High W X Saturat Water Sedime Drift De Algal M Iron De Inundat Sparse	pogy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3) lat or Crust (B4) posits (B5) ion Visible on Aeria ly Vegetated Conca	of one is requ al Imagery (E	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Lea Fauna (Br natic Plan n Sulfide Rhizospl e of Redu ron Redu ck Surfac r Well Da	ts (B14) Odor (C1) heres on aced Iron ction in The (C7) ata (D9)	l) Living R (C4) illed Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte	Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse	pogy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3) lat or Crust (B4) posits (B5) ion Visible on Aeria ly Vegetated Conca	of one is requ al Imagery (E	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Lea Fauna (B' natic Plan n Sulfide Rhizosple of Redu ron Redu ck Surfac r Well Da xplain in l	ts (B14) Odor (C1) heres on aced Iron ction in The (C7) ata (D9)	l) Living R (C4) illed Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte	Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2)
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse Surface Water Water I	pogy worology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3) at or Crust (B4) posits (B5) ion Visible on Aeria by Vegetated Concentrations: ater Present?	of one is requ al Imagery (E ave Surface	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 37) Gauge 0 (B8) Other (Ex	ained Lea Fauna (B- ratic Plan n Sulfide Rhizosple of Redu ron Redu ck Surfac r Well Da xplain in l	ts (B14) Odor (C1 heres on iced Iron ction in T e (C7) ita (D9) Remarks	l) Living R (C4) illed Soi	Secondary Surfac Draina Dry-Se Crayfic oots (C3) Satura Stunte Js (C6) X FAC-N	Indicators (minimum of two requires soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2) aleutral Test (D5)
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse	pogy wordenogy Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) iposits (B3) at or Crust (B4) posits (B5) ion Visible on Aeric by Vegetated Concentrations: ater Present? e Present?	of one is requ al Imagery (E ave Surface	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gary Gauge of (B8) Other (Ex	ained Lea Fauna (B- Fauna	ts (B14) Odor (C1 heres on iced Iron ction in T e (C7) ita (D9) Remarks (inches):	Living R (C4) illed Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte	Indicators (minimum of two requires soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2) aleutral Test (D5)
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse Surface Water Tabl Saturation (includes c	pogy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ion Deposits (B2) ionosits (B3) lat or Crust (B4) posits (B5) ion Visible on Aeria ly Vegetated Concator invations: ater Present? Present? Present?	al Imagery (Eave Surface Yes Yes X Yes X	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 37) Gauge of (B8) Other (Ex	ained Lea Fauna (B- Fauna	ts (B14) Odor (C1 heres on iced Iron ction in T e (C7) ita (D9) Remarks (inches): (inches):	Living R (C4) iilled Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte Js (C6) X FAC-N Wetland Hydrolog	Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) asson Water Table (C2) as Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2) aleutral Test (D5)
Depth (i Remarks: YDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse Surface Water Table Saturation Cincludes c	pogy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ion Deposits (B2) ionosits (B3) lat or Crust (B4) posits (B5) ion Visible on Aeria ly Vegetated Concator invations: ater Present? Present? Present?	al Imagery (Eave Surface Yes Yes X Yes X	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 37) Gauge of (B8) Other (Ex	ained Lea Fauna (B- Fauna	ts (B14) Odor (C1 heres on iced Iron ction in T e (C7) ita (D9) Remarks (inches): (inches):	Living R (C4) iilled Soi	Secondary Surfac Draina Dry-Se Crayfic oots (C3) Satura Stunte Js (C6) X FAC-N	Indicators (minimum of two requires soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2) aleutral Test (D5)
Depth (i Remarks: IYDROLO Wetland Hy Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse Surface Water Tabl Saturation (includes c	pogy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ion Deposits (B2) ionosits (B3) lat or Crust (B4) posits (B5) ion Visible on Aeria ly Vegetated Concator invations: ater Present? Present? Present?	al Imagery (Eave Surface Yes Yes X Yes X	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 37) Gauge of (B8) Other (Ex	ained Lea Fauna (B- Fauna	ts (B14) Odor (C1 heres on iced Iron ction in T e (C7) ita (D9) Remarks (inches): (inches):	Living R (C4) iilled Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte Js (C6) X FAC-N Wetland Hydrolog	Indicators (minimum of two requires soil Cracks (B6) age Patterns (B10) asson Water Table (C2) ash Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2) aleutral Test (D5)
Primary Ind Surface High W X Saturat Water I Sedime Drift De Algal M Iron De Inundat Sparse Field Obse Surface Water Tabl Saturation Cincludes c Describe R	pogy ydrology Indicator icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) ion Deposits (B2) ionosits (B3) lat or Crust (B4) posits (B5) ion Visible on Aeria ly Vegetated Concator invations: ater Present? Present? Present?	al Imagery (Eave Surface Yes Yes X Yes X	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 37) Gauge of (B8) Other (Ex	ained Lea Fauna (B- Fauna	ts (B14) Odor (C1 heres on iced Iron ction in T e (C7) ita (D9) Remarks (inches): (inches):	Living R (C4) iilled Soi	Secondary Surfac Draina Dry-Se Crayfis oots (C3) Satura Stunte Js (C6) X FAC-N Wetland Hydrolog	Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) asson Water Table (C2) as Burrows (C8) attion Visible on Aerial Imagery (C9) and or Stressed Plants (D1) orphic Position (D2) aleutral Test (D5)

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

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

Project/Site: Giffort Ave NE		City/Coun	ty: Montice	llo	Sampling Date:	06/16/2025
Applicant/Owner: Norm Herauf				State: MN	Sampling Point	2-UP
Investigator(s): WEJ		Section, To	ownship, Ra	nge: Section 19, T121	N, R24W	
Landform (hillside, terrace, etc.): hillside		L	ocal relief (c	oncave, convex, none):	convex	
Slope (%): 2 Lat:		Long:			Datum:	
Soil Map Unit Name: Glencoe				NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical	for this time of y			No (If no, ex	•	
Are Vegetation, Soil, or Hydrology			e "Normal C	Circumstances" present?	Yes X I	No
Are Vegetation, Soil, or Hydrology				plain any answers in Re		
SUMMARY OF FINDINGS – Attach site m			g point lo	cations, transects	, important fe	atures, etc
Hydric Soil Present? Yes X N	lo lo	ı	Sampled Ai		No X	
Remarks:		<u> </u>				
<u></u>						
VEGETATION – Use scientific names of pl			T-di-d-			
Tree Stratum (Plot size: 30)		Dominant Species?	Indicator Status	Dominance Test wo	rksheet:	
Populus tremuloides	80	Yes	FAC	Number of Dominant Are OBL, FACW, or I	•	2 (A)
3.	· — -			Total Number of Don Across All Strata:	ninant Species	3(B)
5.		otal Cover		Percent of Dominant Are OBL, FACW, or	•	66.7% (A/B)
Sapling/Shrub Stratum (Plot size: 15						
1.				Prevalence Index w		
2.				Total % Cover of		oly by:
3.			····		0 x1= 20 x2=	40
4					20 x2= 30 x3=	240
5	- 	otal Cover			70 x4=	280
Use Charter (District 5		otal Covel			0 x5=	0
Herb Stratum (Plot size: 5) 1. Solidago altissima	50	Yes	FACU	· -	70 (A) _	560 (B)
Phalaris arundinacea	20	Yes	FACW	Prevalence Index		29
Parthenocissus quinquefolia	15	No	FACU			
4. Taraxacum officinale	5	No	FACU	Hydrophytic Vegeta		• .
5.					or Hydrophytic Veg	getation
6.				X 2 - Dominance T		
7.				3 - Prevalence li		
8.	· 				al Adaptations ¹ (Pr	
9.				i e	rks or on a separa	•
10		Fatal Carra			Irophytic Vegetation	
Woody Vine Stratum (Plot size: 30	90 =7	Total Cover		¹ Indicators of hydric be present, unless d	soil and wetland h isturbed or proble	ydrology must matic.
1.	- 			Hydrophytic		
2		Total Cover		Vegetation Present? Yes	s_X_ No_	
Remarks: (Include photo numbers here or on a sep						

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

Remarks:

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

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

Project/Site: Giffort Ave NE		City/Cou	inty: Montice	llo	Sampling Date:	06/16/2025
Applicant/Owner: Norm Herauf		_		State: MN	Sampling Point:	2-WET
Investigator(s): WEJ		Section,	Township, Ra	nge: Section 19, T121	I, R24W	
		_		concave, convex, none):		
				· -		
Slope (%): 1 Lat:Soil Map Unit Name: Glencoe					ication: PEMA	
Are climatic / hydrologic conditions on the site typical	for this time of	vear?	Yes X	•		
Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology				plain any answers in Re		· -
SUMMARY OF FINDINGS – Attach site n						atures, etc.
					•	
Hydric Soil Present? Yes X	No No No		e Sampled A n a Wetland		No	
Remarks:				·	· · · · · · · · · · · · · · · · · · ·	
Tolland.						
						<u> </u>
VEGETATION – Use scientific names of p						
True Stratum (Plat size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	ksheet:	
Tree Stratum (Plot size: 30) 1. Acer negundo	30	Yes	FAC	Number of Dominant		
2. Populus tremuloides	20	Yes	FAC	Are OBL, FACW, or F		4 (A)
3.				Total Number of Dom	inant Species	
4.				Across All Strata:		4 (B)
5.				Percent of Dominant	•	00.00((4.45)
		Total Cover	•	Are OBL, FACW, or F	AC:1	00.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15	_)			Prevalence Index wo	rkeheet:	
1				Total % Cover of		lv bv:
3.				OBL species 2		20
4.				FACW species 6	0 x 2 =	120
5.				FAC species 6	0 x3=	180
·	=	Total Cove		FACU species 0	x 4 =	0
Herb Stratum (Plot size: 5)				UPL species (x 5 =	0
1. Phalaris arundinacea	60	Yes	FACW	Column Totals: 14	0 (A)	320 (B)
2. Carex lacustris	20	Yes	OBL	Prevalence Index	= B/A =2.:	29
3. Solanum dulcamara	10	No	<u>FAC</u>			* 1100
4.				Hydrophytic Vegetat		
5				1 - Rapid Test for		etation
6.				X 2 - Dominance To		
7.·				X 3 - Prevalence In 4 - Morphological		ovide supporting
8					s or on a separat	
9.				Problematic Hydi	•	
10	90 =	Total Cove	r	¹ Indicators of hydric s	oil and wetland h	ydrology must
Woody Vine Stratum (Plot size: 30	_)			be present, unless dis	sturbed or probler	natic.
1				Hydrophytic		•
2				Vegetation Present? Yes	y No	
1	=	:Total Cove	r .	i Present/ YeS	X No	

Sampling Point: 2-WET

Profile Des Depth	cription: (Describe Matrix	e to the depti		ument ti x Featur		ator or C	ommin die absen	ue of mulcators.)
(inches)	Color (moist)	- %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/1	100					Loamy/Clayey	loam
8-12	10YR 3/1	100			-		Sandy	sandy loam
			7.5YR 4/6	2			Sandy	Prominent redox concentrations
12-24	10YR 4/2		7.51R 4/6			101	Garidy	T TOTHINGTH TOGGX CONGCULTATIONS
								
		·						
¹ Type: C=C	Concentration, D=De	pletion, RM=F	Reduced Matrix, I	MS=Mas	ked Sand	d Grains		tion: PL=Pore Lining, M=Matrix.
	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histoso	i (A1)		Sandy Gle	eyed Mat	rix (S4)			oast Prairie Redox (A16)
Histic E	pipedon (A2)		Sandy Re					on-Manganese Masses (F12)
Black H	istic (A3)		Stripped N	/latrix (Se	3)			ed Parent Material (F21)
Hydroge	en Sulfide (A4)		Dark Surfa					ery Shallow Dark Surface (F22)
	d Layers (A5)		Loamy Mu				<u> </u>	ther (Explain in Remarks)
	uck (A10)		Loamy Gl					
	d Below Dark Surfac	ce (A11)	Depleted				3 _{lndia}	ators of hydrophytic vegetation and
	ark Surface (A12)		Redox Da Depleted			١		etland hydrology must be present,
^	Mucky Mineral (S1) ucky Peat or Peat (S	33) ⁻	Redox De			,		nless disturbed or problematic.
			Redox Be	p10331011				
	Layer (if observed):						
Type:			<u> </u>				Hydric Soil Pres	sent? Yes X No
Depth (inches):						Tiyuric Gon 1 1ca	100
HYDROL								
	ydrology Indicators		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Sacar	ndary Indicators (minimum of two required
	licators (minimum of	one is requir	<u>ed; check all that</u> Water-Sta		oves (Bo	\		surface Soil Cracks (B6)
	e Water (A1)		Aquatic F)		Orainage Patterns (B10)
	ater Table (A2)		True Aqu					Ory-Season Water Table (C2)
X Saturat	Marks (B1)		Hydroger			1)		rayfish Burrows (C8)
	ent Deposits (B2)							aturation Visible on Aerial Imagery (C9)
	eposits (B3)		Presence					stunted or Stressed Plants (D1)
	lat or Crust (B4)		Recent Ir	on Redu	ction in T	illed So	ils (C6)	Seomorphic Position (D2)
_ `	posits (B5)		Thin Muc	k Surfac	e (C7)		<u>X</u> F	AC-Neutral Test (D5)
	tion Visible on Aeria	l Imagery (B7			, ,			
Sparse	ly Vegetated Conca	ve Surface (B	88) Other (Ex	plain in I	Remarks)		
Field Obse	ervations:							•
Surface Wa	ater Present?	Yes	No X	Depth (inches):		.	
Water Tabl		Yes X	No	•	inches):	8		whom December 1971 No.
Saturation		Yes X	No	Depth (inches):	2	Wetland Hydr	ology Present? Yes X No
(includes c	apillary fringe)		mitoring well and	ial photo	nrevio	is inena	ctions) if available	
Describe R	ecorded Data (strea	ım gauge, mo	miloring well, aer	iai prioto:	s, pieviot	as mape	onone, ii avanabie.	
Remarks:							<u> </u>	
. torrianto.								
	•							

APPENDIX C Site Photos



WETLAND 2			
2-WET			
2-UP			

APPENDIX D

Wetland Delineation Approval Forms

Project Name and/or Number: 2025-96

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: Norm Herauf

Mailing Address:

Phone: 651-353-3612

E-mail Address: nherauf@yahoo.com

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

Mailing Address:

Phone:

E-mail Address:

Wayne Jacobson, PSS, WDC Jacobson Environmental, PLLC Agent Name:

2109 Joplin Street, Mora, MN 55051 Mailing Address:

Phone: 612-802-6619

E-mail Address: jacobsonenv@msn.com

PART TWO: Site Location Information

County: Wright

Monticello City/Township:

Parcel ID and/or Address: 213000191202

Section 19, T121N, R24W Legal Description (Section, Township, Range):

Lat/Long (decimal degrees):

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):

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 approval

Project Name and/or Number: 2025-96

PART FOUR: Aquatic Resource Impact¹ 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.)	remove	Duration of Impact Permanent (P) or Temporary (T) ¹	Size of Impact ²	Overall Size of Aquatic Resource ³	Type(s) in	County, Major Watershed #, and Bank Service Area # of Impact Area
•							
				<u> </u>			J

¹If 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)".

³This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".

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 he	re if you are requesting a <u>pre-application</u> consultation with the Co gulatory entities will not initiate a formal application review if thi	orps and s box is	d LGU based on the information you have checked.
By signature authority to u	below, I attest that the information in this application is complete undertake the work described herein.	and ac	curate. I further attest that I possess the
Signature: _	x	Date:	06/17/2025
I hereby a	uthorize Wayne Jacobson to act on my behalf as my agent in the request, supplemental information in suppor	process t of this	ing of this application and to furnish, upor application.

²Impacts 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).

⁴Use Wetland Plants and Plant Community Types of Minnesota and Wisconsin 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.

⁵Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

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.

Project Name and/or Number: 2025-96

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): X Wetland Type Confirmation X 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 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 AID 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