

Minnesota Wetland Conservation Act

Notice of Application

Item 8F.
BCWMC 10-17-13

Local Government Unit (LGU) City of Plymouth	Address 3400 Plymouth Blvd. Plymouth, MN 55447
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1. PROJECT INFORMATION

Applicant Name Joe Matson Wayzata Public Schools	Project Name Wayzata Schools Central Services	Date of Application 9/24/13	Application Number NA
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Type of Application (check all that apply):

☒ Wetland Boundary or Type	☐ No-Loss	☐ Exemption	☐ Sequencing
☐ Replacement Plan	☐ Banking Plan		

Summary and description of proposed project (attach additional sheets as necessary):

Bopray Environmental Services (BES) preformed a wetland delineation on an approximately 3 acre site located in the SW 1/4, Section 29, T118N, R22W, City of Plymouth, Hennepin County, MN. One wetland was identified on-site. Wetland A is described as a PFO1/PEMCd hardwood swamp dominated by cottonwood, green ash, buckthorn, red-osier dogwood, and Canada bluejoint grass.

2. APPLICATION REVIEW AND DECISION

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 3 provides notice that an application was made to the LGU under the Wetland Conservation Act as specified above. A copy of the application is attached. Comments can be submitted to:

Name and Title of LGU Contact Person Derek Asche Water Resources Manager	Comments must be received by (minimum 15 business-day comment period): October 18, 2013
Address (if different than LGU) Plymouth City Hall 3400 Plymouth Blvd. Plymouth, MN 55447	Date, time, and location of decision: October 21, 2013 9AM Plymouth City Hall
Phone Number and E-mail Address 763-509-5526 dasche@plymouthmn.gov	Decision-maker for this application: ☒ Staff ☐ Governing Board or Council

Signature: Derek Asche Date: 9/24/13

3. LIST OF ADDRESSEES

☒ SWCD TEP member: Ms. Stacey Lijewski, HCD, 701 Fourth Avenue South, Suite 700, Minneapolis, MN, 55415-1600 (sent electronically)
☒ BWSR TEP member: Lynda Peterson, BWSR, 520 Lafayette Road North, St. Paul, MN, 55401-1397 (sent electronically)
☐ LGU TEP member (if different than LGU Contact):
☒ DNR TEP member: Melissa Doperalski, MN DNR, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
☒ DNR Regional Office (if different than DNR TEP member) Kate Drewry, Area Hydrologist, MN DNR, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
☒ WD or WMO (if applicable): MCWD, 15320 Minnetonka Blvd., Minnetonka, MN, 55345
☒ Applicant (notice only) and Landowner (if different): Mr. Joe Matson, Wayzata Public Schools, 17305 19th Ave. N., Plymouth, MN, 55447
☒ Members of the public who requested notice (notice only): Mr. Kelly Bopray, BES (sent electronically)
☒ Corps of Engineers Project Manager (notice only): Melissa Jenny, Army Corps of Engineers, 180 5th Street East, Suite 700, St. Paul, MN, 55101-1678 (sent electronically)
☐ BWSR Wetland Bank Coordinator (wetland bank plan applications only)

4. MAILING INFORMATION

- For a list of BWSR TEP representatives: www.bwsr.state.mn.us/contact/WCA_areas.pdf
- For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf

- Department of Natural Resources Regional Offices:

NW Region:	NE Region:	Central Region:	Southern Region:
Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

- For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
or send to:



US Army Corps of Engineers
St. Paul District, ATTN: OP-R
180 Fifth St. East, Suite 700
St. Paul, MN 55101-1678

- For Wetland Bank Plan applications, also send a copy of the application to:
Minnesota Board of Water and Soil Resources
Wetland Bank Coordinator
520 Lafayette Road North
St. Paul, MN 55155

5. ATTACHMENTS

In addition to the application, list any other attachments:	
☒	Wetland Delineation Report dated September 21, 2013 by BES
☐	
☐	
☐	
☐	

Minnesota Wetland Conservation Act

Application for Approval of Wetland Type and Boundary

1. Project/Site Information

Project/Site Name: **Wayzata Schools Central Services** Local Government Unit: **Plymouth, MN**

Location (address and/or T, R, Sec.): **Sec 29, T118N, R22W**

2. Applicant Information

Applicant Name: **Joe Matson, Wayzata Public Schools** Address: **17305 19th Ave. N.**

City, State, Zip: **Plymouth, MN 55447**

E-mail: Joe.Matson@wayzata.k12.mn.us

Phone: **763-745-5174**

3. Agent/Consultant Information

Company Name **Bopray Environmental Services**

Contact Person: **Kelly Bopray**

Address: **N7831 920th St.**

City, State, Zip: **River Falls, WI 54022**

E-mail: kjbopray@yahoo.com

Phone: **715-307-4577**

4. Description of Request

Check all that apply: ☒ Wetland Boundary (must attach wetland delineation report)
☐ Wetland Type (Eggers & Reed and/or Circular 39 type)

5. Signature

By signature below, the applicant requests a determination from the Local Government Unit under Minnesota Rules 8420.0225 on the submitted wetland boundary and type information in this application. The applicant also affirms that they are the owner of the subject property or have permission from the landowner to pursue this determination.

Applicant or Authorized Agent Signature

Date

Important Notes:

- The applicant may be required to submit multiple copies of the report/information to the LGU. The LGU may require the applicant to submit copies directly to Technical Evaluation Panel Members. **Check with your LGU regarding their submittal requirements.**
- The LGU decision must be made in compliance with Minnesota Statutes, section 15.99.

For LGU use only

Date Received:

9/24/13 *Denk Anke*



Memorandum

To: Derick Asche, City of Plymouth

From: Kelly Bopray

Subject: Wayzata Public Schools, Wetland Delineation Report

Date: September 22, 2013

Attached please find five copies for the City of the wetland delineation report along with the applications for wetland delineation approval Wayzata Public Schools Central Service Facility in the City of Plymouth, Minnesota. The site location map is in the wetland delineation report. The School District will have the City's application fee delivered to the City. I will email you a pdf of the wetland report for your notification process.

If you have any questions please feel free to call me at 715-307-4577.

Wetland Delineation Report

Wayzata Public Schools Central Services Facility

Plymouth, Minnesota

Prepared for: Wayzata Public Schools and Inspe



September 21, 2013

BES Project No. 2013.036



Bopray
Environmental

N7831 920th St. River Falls, WI 54022
715-307-4577 kjbopray@yahoo.com

Wetland Delineation Report

Wayzata Public Schools Central Services Facility

Plymouth, Minnesota

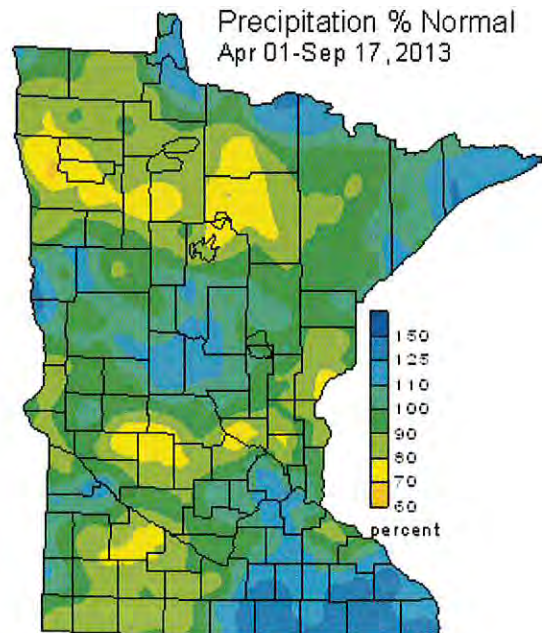
September 21, 2013

Background

Bopray Environmental Services LLC (BES) has completed a wetland delineation on an approximately 3 acre site located in the SW ¼, Sections 29, T118N, R22W, City of Plymouth, Hennepin County, Minnesota (**Figure 1**). The site consists of the Central Services facilities for the Wayzata Public Schools and woodlands. The topography of the site is rolling according to the U.S.G.S. quadrangle topographic map (**Figure 2**). The approximate site and wetland boundaries are shown on an aerial photo in **Figure 3**. The field wetland delineation was done on September 17, 2013. Sunde Land Surveying surveyed the wetland boundaries and incorporated them into the site plans (**Appendix A**). The purpose of this delineation was to identify wetlands on the site for planning purposes for facility improvements and for regulatory purposes. .

Methodologies

The site was evaluated for wetlands based on the methods contained in the "Level 2 Routine Wetland Delineation" section of the U.S. Army Corps of Engineers "Wetland Delineation Manual" (Technical Report Y87-1, 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region. This is the methodology currently used to determine wetlands by both the U.S. Army Corps of Engineers for implementation of Section 404 of the Clean Water Act and by the Minnesota Wetland Conservation Act. According to the Climatology Working Groups' webpage, the area was at 110-125% of normal year to date



precipitation at the time of the site visit.

Results

Wetland A

Wetland A is a small depression east of the existing facility and drains via culvert to the west into the storm sewer system. This wetland is a Palustrine, Broadleaved Forest/Emergent, Seasonally flooded, Drained, (PFO1/EMCd) hardwood swamp. Wetland A is dominated by eastern cottonwood (*Populus deltoides*), green ash (*Fraxinus pennsylvanica*), common buckthorn (*Rhamnus cathartica*), red-osier dogwood (*Cornus alba*) and Canada bluejoint (*Calamagrostis canadensis*). Soils in the wetland consisted of four inches of 10YR 2/2 loam, over six inches of 10YR 3/2 sandy loam, over six inches of 10YR 4/1 coarse sandy loam with 2% 10YR 4/3 iron concentrations over 10Y 5/1 coarse loamy sand with 2% 10YR 4/3 iron concentrations (A11). Free water was observed at a depth of 16 inches (C2) and saturated soil was at 15 inches in the soil pit at the time of the site visit. The other wetland hydrology indicators observed in the wetland included sparsely vegetated concave surface (B8) and a positive FAC-neutral test (D5). The adjacent upland vegetation is dominated by eastern cottonwood, common buckthorn, red fescue (*Festuca rubra*) and poison ivy (*Toxicodendron radicans*). The upland soils consisted of four inches of 10YR 2/2 loamy sand, over four inches of 2.5Y 5/2 sand, over 2.5Y 6/3 sand. There was no free water or saturated soil within a depth of 16 inches in the upland soil pit. The wetland boundary was generally staked along the topographic and vegetation transition.

Basin 1

This basin is in the northwest corner of the site and appears to be created as a result of construction of the adjacent roads and driveway. The basin slopes at 6% down to a culvert and has +20% slopes on the adjacent hill slopes. The bottom of the basin is dominated by green ash, sumac (*Rhus trilobata*), poison ivy, and penn sedge (*Carex pensylvanica*). Soils in the basin consisted of five inches of 10YR 2/2 gravelly sandy loam, over 10YR 3/3 gravelly loamy sand. Free water and saturated soil was not observed in the soil pit at the time of the site visit. No other wetland hydrology indicators were observed in the basin. Although during snow melt and heavy rains water likely flows through this basin, it fails to meet any of the three mandatory wetland criteria.

Basin 2

Basin 2 is just east of, and the outlet for Basin 1. This basin also appears to be created as a result of construction of the adjacent roads and driveway. The basin bottom is nearly flat with short +20% slopes on the adjacent hill slopes. The outlet culvert drains to the storm sewer system. The bottom of the basin is dominated by eastern cottonwood, green ash, common buckthorn, and sumac with no understory herbaceous species. The shrub species were recently cut and left in the basin. Soils in the basin consisted of four inches of 10YR 2/2 sandy

loam, over four inches of 10YR 4/3 sandy loam over 10YR 3/3 sandy loam. Free water and saturated soil was not observed in the soil pit at the time of the site visit. No other wetland hydrology indicators were observed in the basin. Although during snow melt and heavy rains water likely flows through this basin, it fails to meet the hydric soils and wetland hydrology criteria.

The National Wetlands Inventory (NWI) (**Figure 4**) does not identify any wetlands on the site. The Minnehaha Creek Watershed District identifies two basins on the site as potential wetlands. The DNR Protected Waters Inventory map (**Figure 5**) does not identify any public waters wetlands on the site. The Hennepin County Soils Survey (**Figure 6**) shows the site is predominantly mapped as the U4A, Urban Land-Udipsamments (cut and fill land) soil map unit. This soil map unit is listed as having 0% hydric soils.

Wetland Classification

BES' classification of the wetlands is based on observations of the site and is include in Table 1 below.

Table 1. Summary of Wetland Characteristics

Basin	Class	Circ. 39 Type	Isolated Y/N	Comments
Wetland A	Hardwood Swamp/Shallow Marsh, PFO1/EMCd	7	N	Wetland A is dominated by cottonwood trees with an understory of common buckthorn and the center is dominated by Canada bluejoint grass. An outlet pipe connects Wetland A to the storm sewer.
Basin 1	Non-Wetland	N/A	N	Basin 1 is in a depression created by the grading of the site and the surrounding roads and driveways. It fails to meet any of the three mandatory wetland criteria.
Basin 2	Non-Wetland	N/A	N	Basin 2 is in a depression created by the grading of the site and the surrounding roads and driveways. It fails to meet the hydric soils and wetland hydrology criteria.

MnRAM Analysis

A MnRAM 3.4 analysis was completed for the wetland delineated on the Wayzata Public Schools Central Services facility. Results are provided below and in **Appendix B**. Assigned

Management Class for the wetland is based on the highest rated function for that wetland using the Wetland Management Classification Process flowchart.

Table 2. Summary of MnRAM Analysis

Wetland Function/Value	Wetland A	
Vegetation Diversity/Integrity	Low	
Maintenance of Hydrologic Regime	Moderate	
Flood/Stormwater Attenuation	Moderate	
Downstream Water Quality	Moderate	
Maintenance of Water Quality	Moderate	
Shoreline Protection	N/A	
Maintenance of Wildlife Habitat	Moderate	
Fish habitat	N/A	
Amphibian Habitat	N/A	
Aesthetics/Recreation/Education	Moderate	
Management Class	Manage 2	

Jurisdiction

Table 1 indicates whether the wetlands are isolated or not for purposes of U.S. Army Corps of Engineers (COE) jurisdiction under Section 404 of the Clean Water Act. This determination is made by BES in the field at the time of the delineation and is essentially our best professional opinion based on the portion of the particular wetland we observed. In some cases, only a small portion of the wetland edge that is present on the property being delineated is evaluated. If no inlets or outlets are observed in the evaluated area, and none are evident on topographic maps or aerial photos, we are inclined to determine the wetland is isolated. However, since the entire wetland is sometimes not assessed, it is possible that inlets and/or outlets do exist and that the wetland has a surface connection to a federal "navigable" water and, thus, falls within the jurisdiction of Section 404. Therefore, a determination by BES of whether a particular wetland is isolated or not should not be considered a final determination with regard to COE jurisdiction until the COE concurs with the determination. Wetland A drains west to a culvert that connects to the storm sewer system then to Kraetz (Snyder) Lake which appears to be an isolated basin. Therefore the COE should not take jurisdiction over the wetland on this site.

Wetland A is not identified on the protected waters inventory so the Minnesota Department of Natural Resources (DNR) will not have jurisdiction this wetland. Wetland A is regulated under

Wetland Delineation Report
Wayzata Pub. Sch., Plymouth, MN
BES Project No. 2013-031
September 21, 2013

the Minnesota Wetland Conservation Act (WCA) which is administered by the City of Plymouth as the Local Government Unit (LGU).

A copy of this report should be submitted to the Corps of Engineers and the LGU responsible for administering the WCA. Supplying these agencies with reports will serve the dual purpose of determining which agencies have jurisdiction and beginning the process of obtaining concurrence with the delineated wetland boundaries. If the on-site wetlands may be affected during site construction, all necessary permits should be obtained prior to construction.

Additional information regarding the wetlands' vegetation, soils and hydrology is included in **Appendix C**. The site survey with the wetland boundaries is included in **Appendix A**. Ground level photos of the wetland and basins are included in **Figures 7 and 8**.

The information contained herein represents the findings of BES during wetland evaluation activities conducted September 17, 2013 at the referenced site.

Respectfully,

Bopray Environmental Services LLC

Kelly J. Bopray
Professional Soil Scientist
Certified Wetland Delineator

Date

Enclosures

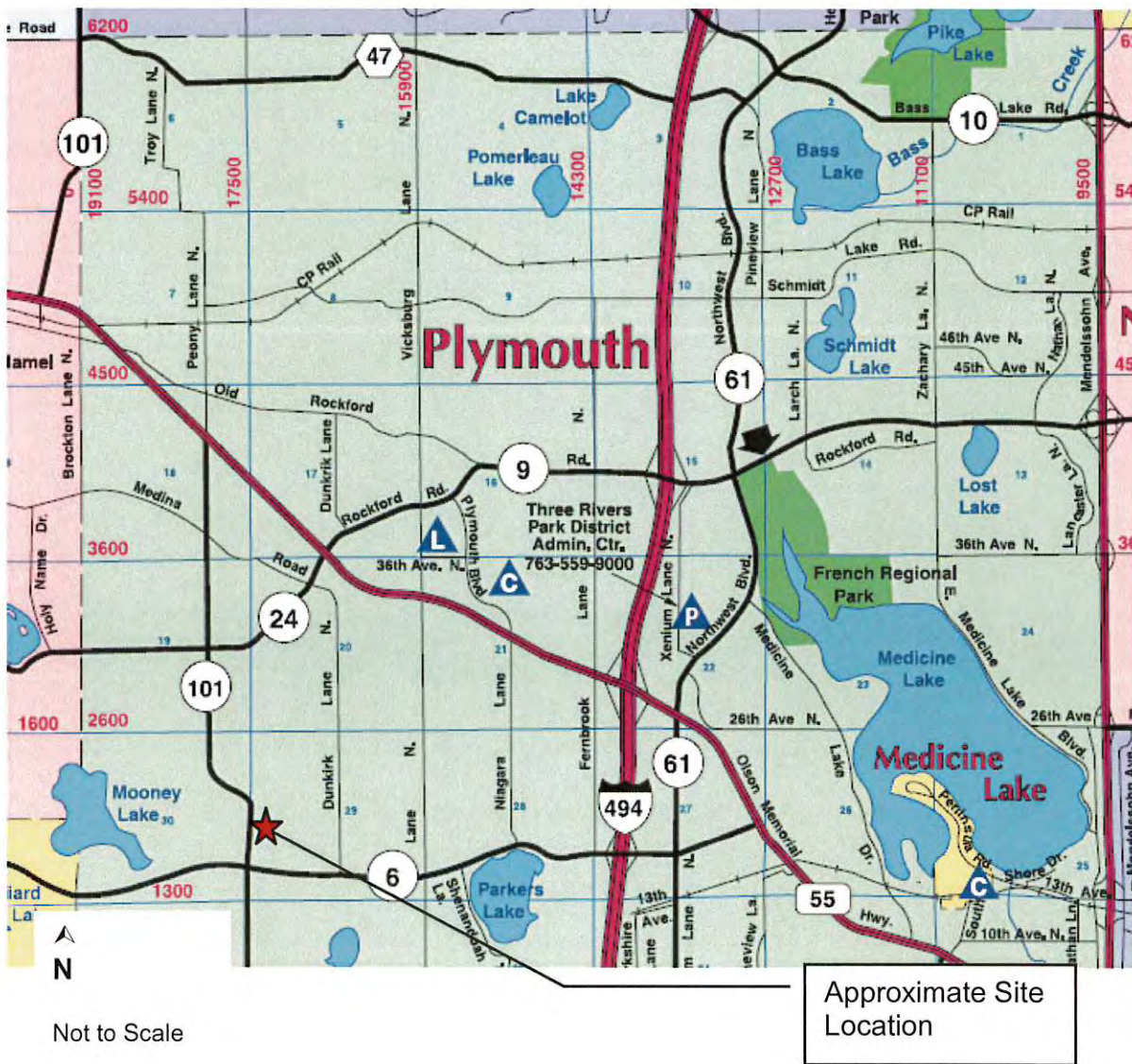
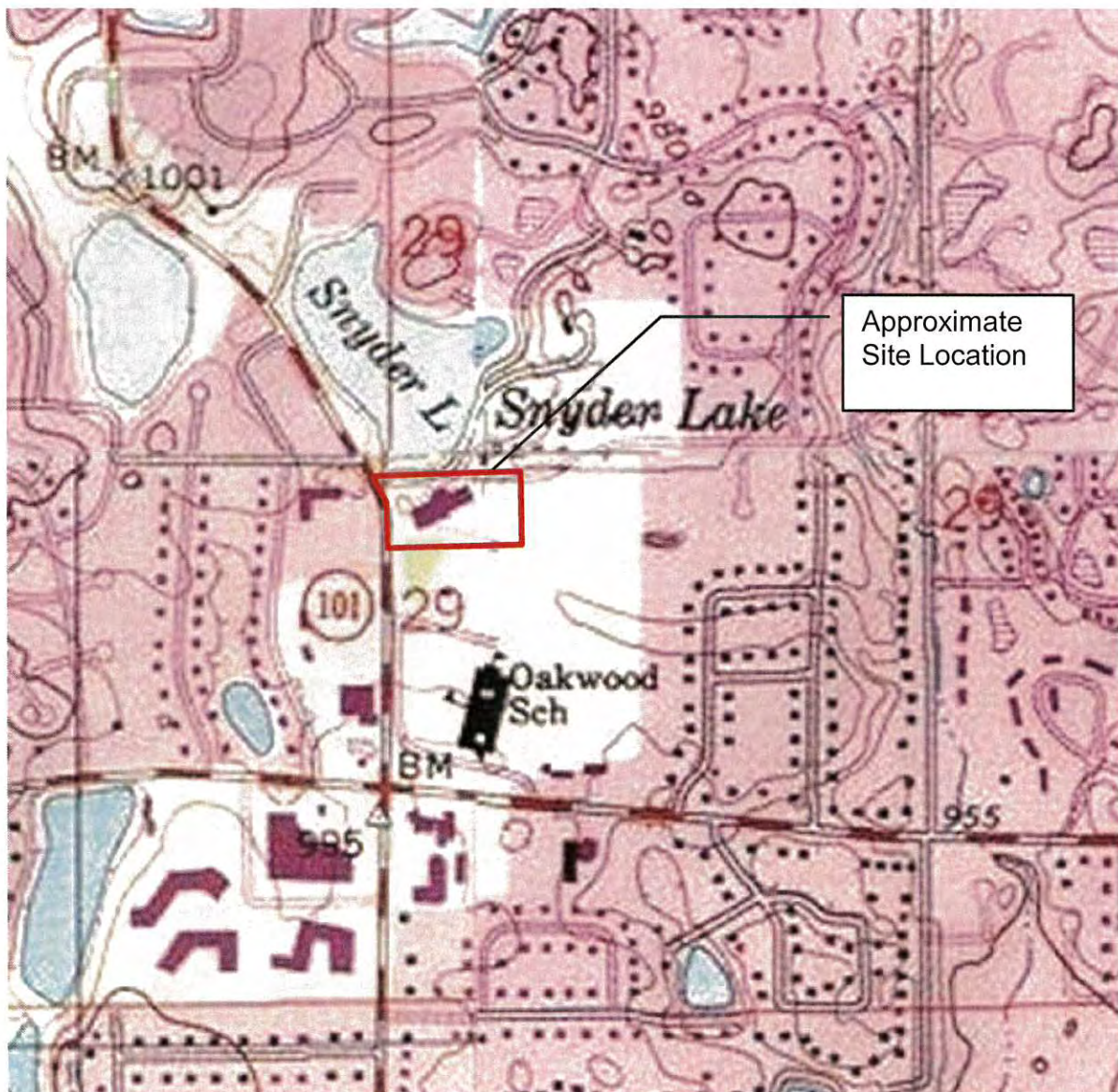


Figure 1. Location Map
Wayzata Public Schools Central Services
Plymouth, Minnesota

Project No. 2013.036



▲
N

Not to Scale



**Figure 2. U.S.G.S.
Quadrangle Map**

Wayzata Public Schools Central Services
Plymouth, Minnesota

Project No. 2013.036





Wetlands

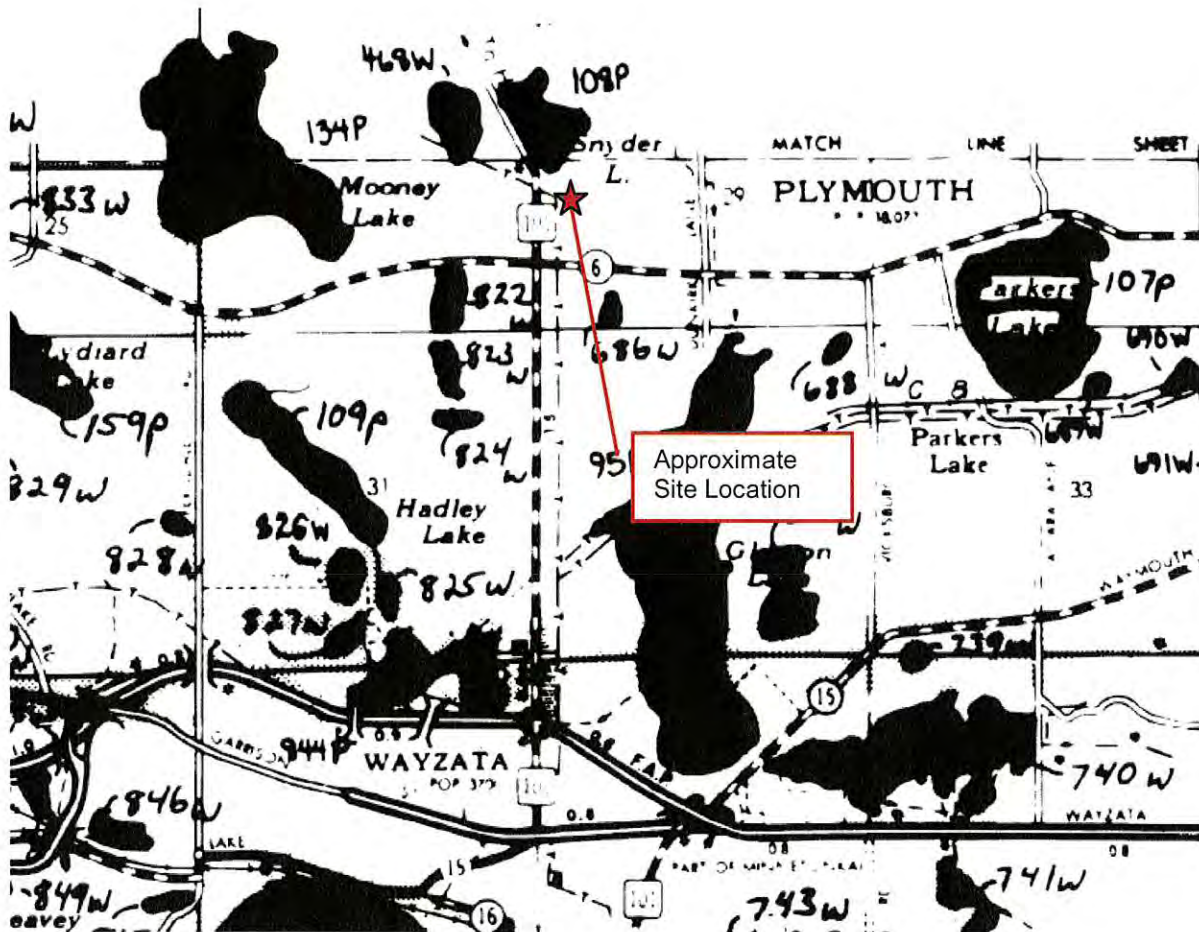
- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deetwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other



Figure 4. National Wetland Inventory Map

Wayzata Public Schools Central Services
Plymouth, Minnesota

Project No. 2013.036



Not to Scale



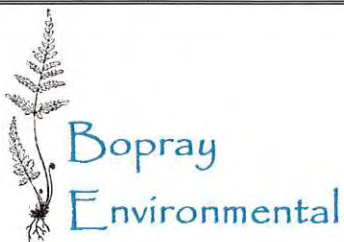
**Figure 5. DNR Protected Waters
Inventory Map**
Wayzata Public Schools Central Services
Plymouth, Minnesota

Project No. 2013.036



Soil Map Unit Legend

- L2B Malardi- Hawick Complex, 1-6% slopes, 0% Hydric Soils
- L64A Tadkee-Tadkee depressional Complex, 0-2% slopes, 92% Hydric Soils
- U4A Urban Land-Udipsammments (cut and fill land), 0-2% slopes, 0% Hydric Soils



**Figure 6. Hennepin County
Soil Survey Map**
Wayzata Public Schools Central Services
Plymouth, Minnesota

Project No. 2013.036



Wetland A looking
at the center of the
basin.



Wetland A looking
south toward the
upland.

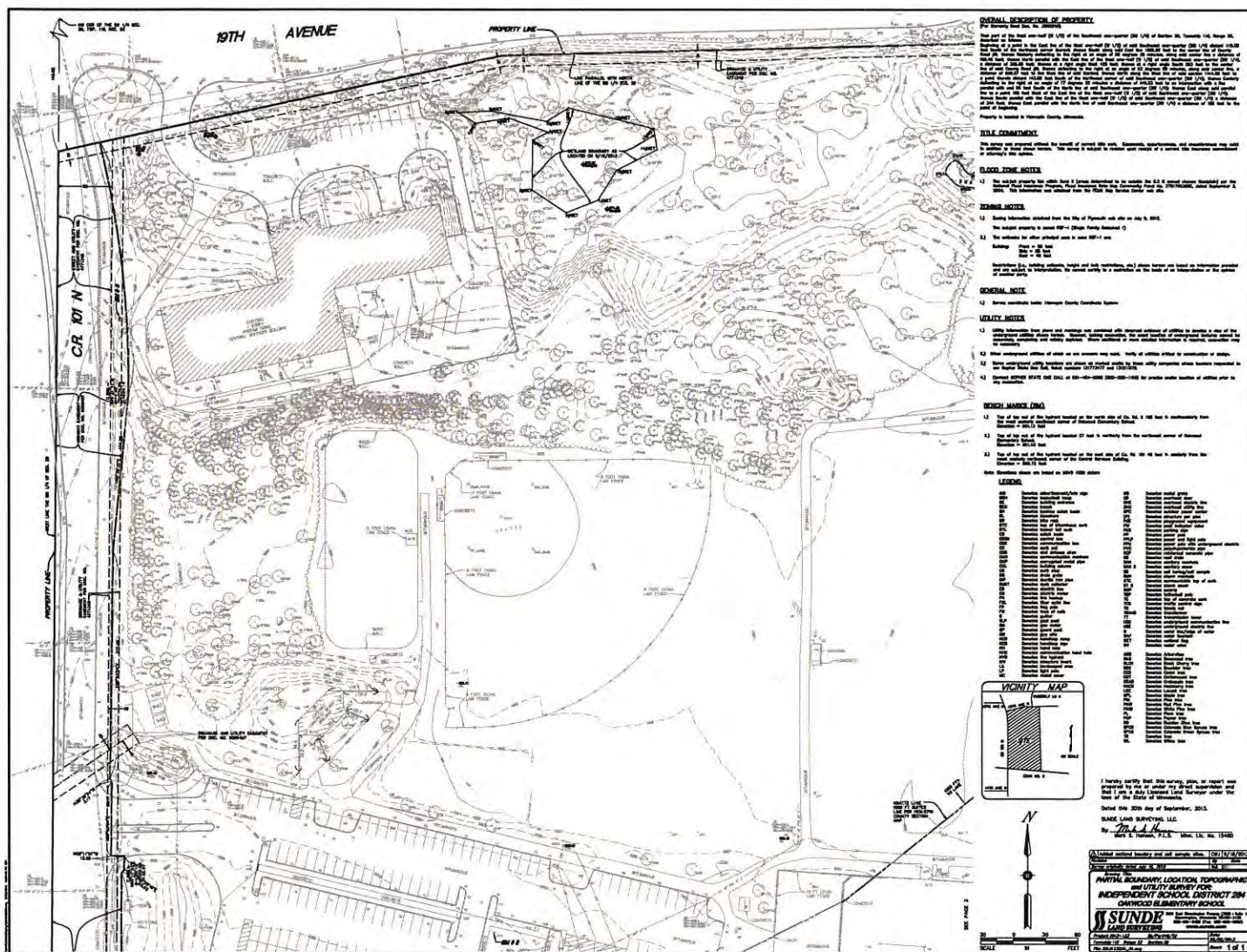


Basin 1 in the northwest corner of the site, looking south.



Basin 2 on the west side of the driveway into the site.

Appendix A



Appendix B

Wetland Functional Assessment Summary

Wetland Name	Hydrogeomorphology	Maintenance of Hydrologic Regime	Flood/Stormwater/Attenuation	Downstream Water Quality	Maintenance of Wetland Water Quality	Shoreline Protection
Wayzata Pub. Sch.	Depressional/Tributary (outlet but no perennial inlet or drainage entering from upstream subwatershed)	0.63	0.59	0.63	0.37	0.00
		Moderate	Moderate	Moderate	Moderate	Not Applicable

Additional Information

Wetland Name	Maintenance of Characteristic Wildlife Habitat Structure	Maintenance of Characteristic Fish Habitat	Maintenance of Characteristic Amphibian Habitat	Aesthetics/Recreation/Education/Cultural	Ground-Water Interaction	Wetland Restoration Potential	Wetland Sensitivity to Stormwater and Urban Development	Additional Stormwater Treatment Needs
Wayzata Pub. Sch.	0.37	0.00	0.00	0.41	Recharge	0.62	0.10	0.37
	Moderate	Not Applicable	Not Applicable	Moderate	Not Applicable	Moderate	Exceptional	Moderate

Wetland Community Summary

Vegetative Diversity/Integrity									
Wetland Name	Location	Community			Wetland Proportion	Individual Community Rating	Highest Wetland Rating	Average Wetland Rating	Weighted Average Wetland Rating
		Cowardin Classification	Circular Plant Community	Type 7					
Wayzata Pub. Sch.	27-118-22-29-001	PFO1Bd	Type 7	Hardwood Swamp	70	0.1	0.10	0.10	0.10
							Low	Low	Low
		PEM1Cd	Type 3	Shallow Marsh	30	0.1	0.10	0.10	0.10
							Low	Low	Low
					100		0.10	0.10	0.10

☒ Denotes incomplete calculation data.

MnRAM: Site Response Record

For Wetland: Wayzata Pub. Sch.

Location: 27-118-22-29-001

Wayzata Pub. Sch. Central Serv. Facili

Plant Community: Hardwood Swamp

Cowardin Classification: PFO1Bd Circular 39: Type 7

Plant Community: Shallow Marsh

Cowardin Classification: PEM1Cd Circular 39: Type 3

- 4 Listed, rare, special species?
- 5 Rare community or habitat?
- 6 Pre-European-settlement condition?

Hydrogeomorphology / topography:

7 Depressional/Tributary

- 8-1 Maximum water depth 6 inches
- 8-2 % inundated 40%
- 9 Immediate drainage--local WS 4 acres
- 10 Estimated size/existing site: (see #66)

11-Upland Soil Urban land-Udorthents complex

11-Wetland Soil Urban land-Udorthents complex

- 12 Outlet for flood control
- 13 Outlet for hydro regime
- 14 Dominant upland land use
- 15 Wetland soil condition
- 16 Vegetation (% cover)
- 17 Emerg. veg flood resistance
- 18 Sediment delivery
- 19 Upland soils (soil group)
- 20 Stormwater runoff
- 21 Subwatershed wetland density
- 22 Channels/sheet flow
- 23 Adjacent buffer width

Adjacent area management

- 24-A Full
- 24-B Manicured
- 24-C Bare

Adjacent area diversity/structure

- 25-A Native
- 25-B Mixed
- 25-C Sparse

Adjacent area slope

- 26-A Gentle
- 26-B Moderate
- 26-C Steep

- 27 Downstream sens./WQ protect.
- 28 Nutrient loading

- 29 Shoreline wetland?

Shoreline Wetland

- 30 Rooted veg., % cover
- 31 Wetland in-water width
- 32 Emerg. veg. erosion resistance
- 33 Erosion potential of site
- 34 Upslope veg./bank protection
- 35 Rare wildlife?
- 36 Scarce/Rare/S1/S2 community
- 37 Vegetative cover
- 38 Veg. community interspersed
- 39 Wetland detritus
- 40 Interspersed on landscape
- 41 Wildlife barriers

Amphibian-breeding potential

- 42 Hydroperiod adequacy
- 43 Fish presence
- 44 Overwintering habitat
- 45 Wildlife species (list)
- 46 Fish habitat quality
- 47 Fish species (list)
- 48 Unique/rare opportunity
- 49 Wetland visibility
- 50 Proximity to population
- 51 Public ownership
- 52 Public access
- 53 Human influence on wetland
- 54 Human influence on viewshed
- 55 Spatial buffer
- 56 Recreational activity potential

- 57 Commercial crop--hydro impact

Groundwater-specific questions

- 58 Wetland soils Recharge
- 59 Subwatershed land use Discharge
- 60 Wetland size/soil group Recharge
- 61 Wetland hydroperiod Recharge
- 62 Inlet/Outlet configuration Recharge
- 63 Upland topo relief Recharge

Additional information

- 64 Restoration potential Yes
- 65 LO affected by restoration A
- 66 Existing size
- Restorable size
- Potential new wetland
- 67 Average width of pot. buffer 25 feet
- 68 Ease of potential restoration A
- 69 Hydrologic alterations Lowered Outlet
- 70 Potential wetland type 7
- 71 Stormwater sensitivity B
- 72 Additional treatment needs B

Watershed Mississippi (Metro)

WS# 20 Service Area: 7

For functional ratings, please run the Summary tab report.

This report printed on: 9/20/2013

Appendix C

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Central Services Facility City/County: Plymouth/Hennepin Sampling Date: 9/17/2013
 Applicant/Owner: Wayzata Public Schools State: Minnesota Sampling Point: SA-W
 Investigator(s): Kelly J Bopray PSS, CWD Section, Township, Range: Sec. 29, T118N, R22W
 Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): concave
 Slope (%): 0-1% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name U4A Urban Land-Undispanments NWI Classification: not id'ed
 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 X, or hydrology _____ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>Y</u> If yes, optional wetland site ID: <u>Wetland A, PFO1/EMC</u>
Hydric soil present? <u>Y</u>	
Indicators of wetland hydrology present? <u>Y</u>	
Remarks: (Explain alternative procedures here or in a separate report.) soil is a mollisol.	

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Populus deltoides</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>
2	<u>Fraxinus pennsylvanica</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>
3				
4				
5				
		<u>50</u>	<u>= Total Cover</u>	
Sapling/Shrub stratum	(Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Rhamnus cathartica</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>
2	<u>Cornus alba</u>	<u>15</u>	<u>Y</u>	<u>FACW</u>
3				
4				
5				
		<u>55</u>	<u>= Total Cover</u>	
Herb stratum	(Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Calamagrostis canadensis</u>	<u>40</u>	<u>Y</u>	<u>OBL</u>
2	<u>Carex vulpinoidea</u>	<u>10</u>	<u>N</u>	<u>FACW</u>
3	<u>Phalaris arundinacea</u>	<u>5</u>	<u>N</u>	<u>FACW</u>
4	<u>Typha latifolia</u>	<u>5</u>	<u>N</u>	<u>OBL</u>
5	<u>Carex lacustris</u>	<u>1</u>	<u>N</u>	<u>OBL</u>
6				
7				
8				
9				
10				
		<u>61</u>	<u>= Total Cover</u>	
Woody vine stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1				
2				
		<u>0</u>	<u>= Total Cover</u>	

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across all Strata: 5 (B)

Percent of Dominant Species that are OBL, FACW, or FAC: 100.00% (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	<u>46</u>	x 1 =	<u>46</u>
FACW species	<u>50</u>	x 2 =	<u>100</u>
FAC species	<u>70</u>	x 3 =	<u>210</u>
FACU species	<u>0</u>	x 4 =	<u>0</u>
UPL species	<u>0</u>	x 5 =	<u>0</u>
Column totals	<u>166</u> (A)		<u>356</u> (B)

Prevalence Index = B/A = 2.14

Hydrophytic Vegetation Indicators:

Rapid test for hydrophytic vegetation

X Dominance test is >50%

X 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

Hydrophytic vegetation present?

Y

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

SOIL

 Sampling Point: SA-W
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 2/2						loam	
4-10	10YR 3/2						sandy loam	
10-16	10YR 4/1		10YR 4/3	2	C	M	coarse sandy loam	
16-25+	10YR 5/1		10YR 4/3	2	C	M	coarse loamy sand	10% gravel

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

Hydric Soil Indicators:

- | | |
|---|---|
| ☐ Histisol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) |
| ☐ Stratified Layers (A5) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ 2 cm Muck (A10) | ☐ Depleted Matrix (F3) |
| ☒ Depleted Below Dark Surface (A11) | ☐ Redox Dark Surface (F6) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |

Indicators for Problematic Hydric Soils:

- | |
|---|
| ☐ Coast Prairie Redox (A16) (LRR K, L, R) |
| ☐ Dark Surface (S7) (LRR K, L) |
| ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| ☐ 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)

- | | |
|---|---|
| ☐ Surface Water (A1) | ☐ Aquatic Fauna (B13) |
| ☐ High Water Table (A2) | ☐ True Aquatic Plants (B14) |
| ☐ Saturation (A3) | ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Water Marks (B1) | ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Sediment Deposits (B2) | ☐ Presence of Reduced Iron (C4) |
| ☐ Drift Deposits (B3) | ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Algal Mat or Crust (B4) | ☐ Thin Muck Surface (C7) |
| ☐ Iron Deposits (B5) | ☐ Gauge or Well Data (D9) |
| ☒ Inundation Visible on Aerial Imagery (B7) | ☐ Other (Explain in Remarks) |
| ☒ Sparsely Vegetated Concave Surface (B8) | |
| ☐ Water-Stained Leaves (B9) | |

Secondary Indicators (minimum of two required)

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

Field Observations:

Surface water present?	Yes ☐ No ☒	Depth (inches): _____
Water table present?	Yes ☒ No ☐	Depth (inches): <u>16</u>
Saturation present?	Yes ☒ No ☐	Depth (inches): <u>15</u>

 (includes capillary fringe)

 Indicators of wetland hydrology present? Y

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

Remarks:

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Central Services Facility City/County: Plymouth/Hennepin Sampling Date: 9/17/2013
 Applicant/Owner: Wayzata Public Schools State: Minnesota Sampling Point: SA-U
 Investigator(s): Kelly J Bopray PSS, CWD Section, Township, Range: Sec. 29, T118N, R22W
 Landform (hillslope, terrace, etc.): hillslope-shoulder Local relief (concave, convex, none): convex
 Slope (%): 2-6% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name U4A Urban Land-Udispamments NWI Classification: not id'ed
 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>Y</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: <u>upland adj. to Wetland A</u>
Hydric soil present? <u>N</u>	
Indicators of wetland hydrology present? <u>N</u>	
Remarks: (Explain alternative procedures here or in a separate report.)	

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Populus deltoides</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>
2				
3				
4				
5				
		<u>40</u>	<u>= Total Cover</u>	
Sapling/Shrub stratum	(Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Rhamnus cathartica</u>	<u>60</u>	<u>Y</u>	<u>FAC</u>
2	<u>Rhus trilobata</u>	<u>10</u>	<u>N</u>	<u>UPL</u>
3	<u>Zanthoxylum americanum</u>	<u>5</u>	<u>N</u>	<u>FACU</u>
4				
5				
		<u>75</u>	<u>= Total Cover</u>	
Herb stratum	(Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Festuca rubra</u>	<u>40</u>	<u>Y</u>	<u>FACU</u>
2	<u>Toxicodendron radicans</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>
3	<u>Spartina pectinata</u>	<u>15</u>	<u>N</u>	<u>FACW</u>
4	<u>Parthenocissus quinquefolia</u>	<u>5</u>	<u>N</u>	<u>FACU</u>
5	<u>Solidago gigantea</u>	<u>5</u>	<u>N</u>	<u>FACW</u>
6	<u>Trifolium repens</u>	<u>5</u>	<u>N</u>	<u>FACU</u>
7				
8				
9				
10				
		<u>100</u>	<u>= Total Cover</u>	
Woody vine stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status
1	<u>Vitis riparia</u>	<u>3</u>		<u>FACW</u>
2				
		<u>3</u>	<u>= Total Cover</u>	

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across all Strata: 4 (B)

Percent of Dominant Species that are OBL, FACW, or FAC: 75.00% (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	<u>0</u>	x 1 =	<u>0</u>
FACW species	<u>23</u>	x 2 =	<u>46</u>
FAC species	<u>130</u>	x 3 =	<u>390</u>
FACU species	<u>55</u>	x 4 =	<u>220</u>
UPL species	<u>10</u>	x 5 =	<u>50</u>
Column totals	<u>218</u> (A)		<u>706</u> (B)

Prevalence Index = B/A = 3.24

Hydrophytic Vegetation Indicators:

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

Hydrophytic vegetation present?

Y

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

SOIL

Sampling Point: SA-U

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 2/2						loamy sand	
4-8	2.5Y 5/2						sand	
8-16+	2.5Y 6/3						sand	

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

Hydric Soil Indicators:

- | | |
|--|---|
| ☐ Histisol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) |
| ☐ Stratified Layers (A5) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ 2 cm Muck (A10) | ☐ Depleted Matrix (F3) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Redox Dark Surface (F6) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |

Indicators for Problematic Hydric Soils:

- | |
|---|
| ☐ Coast Prairie Redox (A16) (LRR K, L, R) |
| ☐ Dark Surface (S7) (LRR K, L) |
| ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| ☐ 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? N

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

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

- | |
|--|
| ☐ Surface Water (A1) |
| ☐ High Water Table (A2) |
| ☐ Saturation (A3) |
| ☐ Water Marks (B1) |
| ☐ Sediment Deposits (B2) |
| ☐ Drift Deposits (B3) |
| ☐ Algal Mat or Crust (B4) |
| ☐ Iron Deposits (B5) |
| ☐ Inundation Visible on Aerial Imagery (B7) |
| ☐ Sparsely Vegetated Concave Surface (B8) |
| ☐ Water-Stained Leaves (B9) |

- | |
|---|
| ☐ Aquatic Fauna (B13) |
| ☐ True Aquatic Plants (B14) |
| ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Presence of Reduced Iron (C4) |
| ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Thin Muck Surface (C7) |
| ☐ Gauge or Well Data (D9) |
| ☐ Other (Explain in Remarks) |

Secondary Indicators (minimum of two required)

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

Field Observations:

Surface water present?	Yes ☐	No ☒	Depth (inches): _____
Water table present?	Yes ☐	No ☒	Depth (inches): _____
Saturation present?	Yes ☐	No ☒	Depth (inches): _____

 (includes capillary fringe)
Indicators of wetland hydrology present? N

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

Remarks:

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Central Services Facility City/County: Plymouth/Hennepin Sampling Date: 9/17/2013
 Applicant/Owner: Wayzata Public Schools State: Minnesota Sampling Point: Basin 1
 Investigator(s): Kelly J Bopray PSS, CWD Section, Township, Range: Sec. 29, T118N, R22W
 Landform (hillslope, terrace, etc.): Depression- man made Local relief (concave, convex, none): concave
 Slope (%): 6% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name U4A Urban Land-Undispa mments VWI Classification: Not Id'ed
 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 X, or hydrology _____ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

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

Remarks: (Explain alternative procedures here or in a separate report.)

soil is a mollisol

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1	<u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>Y</u>	<u>FACW</u>	
2					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>10</u>	<u>= Total Cover</u>		
Sapling/Shrub stratum	(Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1	<u>Rhus trilobata</u>	<u>50</u>	<u>Y</u>	<u>UPL</u>	
2	<u>Fraxinus pennsylvanica</u>	<u>15</u>	<u>N</u>	<u>FACW</u>	OBL species <u>0</u> x 1 = <u>0</u>
3	<u>Ulmus americana</u>	<u>5</u>	<u>N</u>	<u>FACW</u>	FACW species <u>30</u> x 2 = <u>60</u>
4	<u>Lonicera tatarica</u>	<u>5</u>	<u>N</u>	<u>FACU</u>	FAC species <u>25</u> x 3 = <u>75</u>
5	<u>Viburnum lentago</u>	<u>5</u>	<u>N</u>	<u>FAC</u>	FACU species <u>19</u> x 4 = <u>76</u>
		<u>80</u>	<u>= Total Cover</u>		UPL species <u>65</u> x 5 = <u>325</u>
					Column totals <u>139</u> (A) <u>536</u> (B)
					Prevalence Index = B/A = <u>3.86</u>
Herb stratum	(Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
1	<u>Toxicodendron radicans</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	
2	<u>Carex pensylvanica</u>	<u>15</u>	<u>Y</u>	<u>UPL</u>	_____ Dominance test is >50%
3	<u>Festuca rubra</u>	<u>5</u>	<u>N</u>	<u>FACU</u>	_____ Prevalence index is ≤3.0*
4	<u>Lactuca serriola</u>	<u>5</u>	<u>N</u>	<u>FACU</u>	_____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
5	<u>Solidago canadensis</u>	<u>2</u>	<u>N</u>	<u>FACU</u>	_____ Problematic hydrophytic vegetation* (explain)
6	<u>Parthenocissus quinquefolia</u>	<u>2</u>	<u>N</u>	<u>FACU</u>	
7					
8					
9					
10					
		<u>49</u>	<u>= Total Cover</u>		
Woody vine stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	
1					
2					
		<u>0</u>	<u>= Total Cover</u>		

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

SOIL

Sampling Point: Basin 1

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**		
0-5	10YR 2/2						gravelly sandy loam	
5-18+	10YR 3/3						gravelly loamy sand	

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

Hydric Soil Indicators:

- | | |
|--|---|
| ☐ Histisol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) |
| ☐ Stratified Layers (A5) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ 2 cm Muck (A10) | ☐ Depleted Matrix (F3) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Redox Dark Surface (F6) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |

Indicators for Problematic Hydric Soils:

- | |
|---|
| ☐ Coast Prairie Redox (A16) (LRR K, L, R) |
| ☐ Dark Surface (S7) (LRR K, L) |
| ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| ☐ 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? N

Remarks:

HYDROLOGY**Wetland Hydrology Indicators:**

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

- | |
|--|
| ☐ Surface Water (A1) |
| ☐ High Water Table (A2) |
| ☐ Saturation (A3) |
| ☐ Water Marks (B1) |
| ☐ Sediment Deposits (B2) |
| ☐ Drift Deposits (B3) |
| ☐ Algal Mat or Crust (B4) |
| ☐ Iron Deposits (B5) |
| ☐ Inundation Visible on Aerial Imagery (B7) |
| ☐ Sparsely Vegetated Concave Surface (B8) |
| ☐ Water-Stained Leaves (B9) |

- | |
|---|
| ☐ Aquatic Fauna (B13) |
| ☐ True Aquatic Plants (B14) |
| ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Presence of Reduced Iron (C4) |
| ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Thin Muck Surface (C7) |
| ☐ Gauge or Well Data (D9) |
| ☐ Other (Explain in Remarks) |

Secondary Indicators (minimum of two required)

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

Field Observations:

Surface water present?	Yes ☐	No ☒	Depth (inches): _____
Water table present?	Yes ☐	No ☒	Depth (inches): _____
Saturation present?	Yes ☐	No ☒	Depth (inches): _____

 (includes capillary fringe)
Indicators of wetland hydrology present? N

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

Remarks:

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Central Services Facility City/County: Plymouth/Hennepin Sampling Date: 9/17/2013
 Applicant/Owner: Wayzata Public Schools State: Minnesota Sampling Point: Basin 2
 Investigator(s): Kelly J Bopray PSS, CWD Section, Township, Range: Sec. 29, T118N, R22W
 Landform (hillslope, terrace, etc.): depression- man made Local relief (concave, convex, none): concave
 Slope (%): 0% Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name U4A Urban Land-Undisrupted NWI Classification: not id'ed
 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? Yes
SUMMARY OF FINDINGS (If needed, explain any answers in remarks.)

Hydrophytic vegetation present? <u>Y</u>	Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: <u>non-wetland</u>
Hydric soil present? <u>N</u>	
Indicators of wetland hydrology present? <u>N</u>	
Remarks: (Explain alternative procedures here or in a separate report.)	

VEGETATION -- Use scientific names of plants.

Tree Stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
1	<u>Populus deltoides</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	
2					Total Number of Dominant Species Across all Strata: <u>4</u> (B)
3					Percent of Dominant Species that are OBL, FACW, or FAC: <u>75.00%</u> (A/B)
4					
5					
		<u>40</u>	<u>= Total Cover</u>		
Sapling/Shrub stratum	(Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet
1	<u>Fraxinus pennsylvanica</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>	
2	<u>Rhamnus cathartica</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	OBL species <u>0</u> x 1 = <u>0</u>
3	<u>Rhus trilobata</u>	<u>10</u>	<u>Y</u>	<u>UPL</u>	FACW species <u>20</u> x 2 = <u>40</u>
4					FAC species <u>60</u> x 3 = <u>180</u>
5					FACU species <u>0</u> x 4 = <u>0</u>
		<u>50</u>	<u>= Total Cover</u>		UPL species <u>10</u> x 5 = <u>50</u>
					Column totals <u>90</u> (A) <u>270</u> (B)
					Prevalence Index = B/A = <u>3.00</u>
Herb stratum	(Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:
1					
2					<u>X</u> Dominance test is >50%
3					<u>X</u> Prevalence index is ≤3.0*
4					Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
5					Problematic hydrophytic vegetation* (explain)
6					
7					
8					
9					
10					
		<u>0</u>	<u>= Total Cover</u>		
Woody vine stratum	(Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species	Indicator Status	*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
1					
2					
		<u>0</u>	<u>= Total Cover</u>		

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

SOIL

Sampling Point: Basin 2

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 2/2						sandy loam	
4-8	10YR 4/3						sandy loam	
8-16+	10YR 3/3						sandy loam	

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

Hydric Soil Indicators:

- | | |
|--|---|
| ☐ Histisol (A1) | ☐ Sandy Gleyed Matrix (S4) |
| ☐ Histic Epipedon (A2) | ☐ Sandy Redox (S5) |
| ☐ Black Histic (A3) | ☐ Stripped Matrix (S6) |
| ☐ Hydrogen Sulfide (A4) | ☐ Loamy Mucky Mineral (F1) |
| ☐ Stratified Layers (A5) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ 2 cm Muck (A10) | ☐ Depleted Matrix (F3) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Redox Dark Surface (F6) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Dark Surface (F7) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Redox Depressions (F8) |

Indicators for Problematic Hydric Soils:

- | |
|---|
| ☐ Coast Prairie Redox (A16) (LRR K, L, R) |
| ☐ Dark Surface (S7) (LRR K, L) |
| ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| ☐ 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? N

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

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

- | |
|--|
| ☐ Surface Water (A1) |
| ☐ High Water Table (A2) |
| ☐ Saturation (A3) |
| ☐ Water Marks (B1) |
| ☐ Sediment Deposits (B2) |
| ☐ Drift Deposits (B3) |
| ☐ Algal Mat or Crust (B4) |
| ☐ Iron Deposits (B5) |
| ☐ Inundation Visible on Aerial Imagery (B7) |
| ☐ Sparsely Vegetated Concave Surface (B8) |
| ☐ Water-Stained Leaves (B9) |

- | |
|---|
| ☐ Aquatic Fauna (B13) |
| ☐ True Aquatic Plants (B14) |
| ☐ Hydrogen Sulfide Odor (C1) |
| ☐ Oxidized Rhizospheres on Living Roots (C3) |
| ☐ Presence of Reduced Iron (C4) |
| ☐ Recent Iron Reduction in Tilled Soils (C6) |
| ☐ Thin Muck Surface (C7) |
| ☐ Gauge or Well Data (D9) |
| ☐ Other (Explain in Remarks) |

Secondary Indicators (minimum of two required)

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

Field Observations:

Surface water present?	Yes ☐	No ☒	Depth (inches): _____
Water table present?	Yes ☐	No ☒	Depth (inches): _____
Saturation present?	Yes ☐	No ☒	Depth (inches): _____

 (includes capillary fringe)
Indicators of wetland hydrology present? N

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

Remarks:

Minnesota Wetland Conservation Act

Notice of Application

Local Government Unit (LGU) City of Plymouth	Address 3400 Plymouth Blvd. Plymouth, MN 55447
--	--

1. PROJECT INFORMATION

Applicant Name Rafik Moore	Project Name 11 Saratoga Lane	Date of Application 09/25/13	Application Number NA
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Type of Application (check all that apply):

☐ Wetland Boundary or Type	☐ No-Loss	☒ Exemption	☐ Sequencing
☐ Replacement Plan	☐ Banking Plan		

Summary and description of proposed project (attach additional sheets as necessary):

On September 24th, 2013 the wetland boundary and type were approved for the 11 Saratoga Lane property. Although a proposal has not been submitted, the applicant has requested a decision on the applicability of an exemption for up to 1000 square feet of fill, per WCA 8420.0420 Subp. 8(A)(3)(b) "1000 square feet of type 1, 2, or 6 wetland outside of the shoreland wetland protection zone and inside the 11-county metropolitan area."

2. APPLICATION REVIEW AND DECISION

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 3 provides notice that an application was made to the LGU under the Wetland Conservation Act as specified above. A copy of the application is attached. Comments can be submitted to:

Name and Title of LGU Contact Person Derek Asche Water Resources Manager	Comments must be received by (minimum 15 business-day comment period): October 18, 2013
Address (if different than LGU) City of Plymouth 3400 Plymouth Blvd. Plymouth, MN 55447	Date, time, and location of decision: October 21, 2013 9AM Plymouth City Hall
Phone Number and E-mail Address 763-509-5526 dasche@plymouthmn.gov	Decision-maker for this application: ☒ Staff ☐ Governing Board or Council

Signature: *Derek Asche* Date: 9/25/13

3. LIST OF ADDRESSEES

- ☒ HCD TEP member: **Ms. Stacey Lijewski, HCD, 701 Fourth Avenue South, Suite 700, Minneapolis, MN, 55415-1600** (sent electronically)
- ☒ BWSR TEP member: **Ms. Lynda Peterson, BWSR, 520 Lafayette Rd. N., St. Paul, MN, 55155** (sent electronically)
- ☐ LGU TEP member (if different than LGU Contact):
- ☒ DNR TEP member: **Melissa Doperalski, MN DNR, 1200 Warner Road, St. Paul, MN, 55106** (sent electronically)
- ☐ DNR Regional Office (if different than DNR TEP member)
Ms. Kate Drewry, DNR Division of Ecological and Water Resources, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
- ☒ WD or WMO (if applicable): **BCWMC, c/o Laura Jester, Keystone Waters, LLC, 16415 Hillcrest Lane, Eden Prairie, MN, 55346** (sent electronically)
- ☒ Applicant and Landowner (if different):
Mr. Rafik, Moore, 11 Saratoga Lane, Plymouth, MN, 55441
Investors Capital, LLC., 3328 Lake Street E., Minneapolis, MN, 55406
- ☒ Members of the public who requested notice:
Mr. Ben Carlson, Arrowhead Environmental Consulting, 2909 Meadow Lane, Mound, MN, 55364 (sent electronically)
- ☒ Corps of Engineers Project Manager: **Melissa Jenny, Army Corps of Engineers, 180 5th Street East, Suite 700, St. Paul, MN, 55101-1678** (sent electronically)
- ☐ BWSR Wetland Bank Coordinator (wetland bank plan decisions only) ☐ BWSR Wetland Bank Coordinator (wetland bank plan applications only)

4. MAILING INFORMATION

- For a list of BWSR TEP representatives: www.bwsr.state.mn.us/contact/WCA_areas.pdf
- For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf
- Department of Natural Resources Regional Offices:

<u>NW Region:</u>	<u>NE Region:</u>	<u>Central Region:</u>	<u>Southern Region:</u>
Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

- For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
or send to:



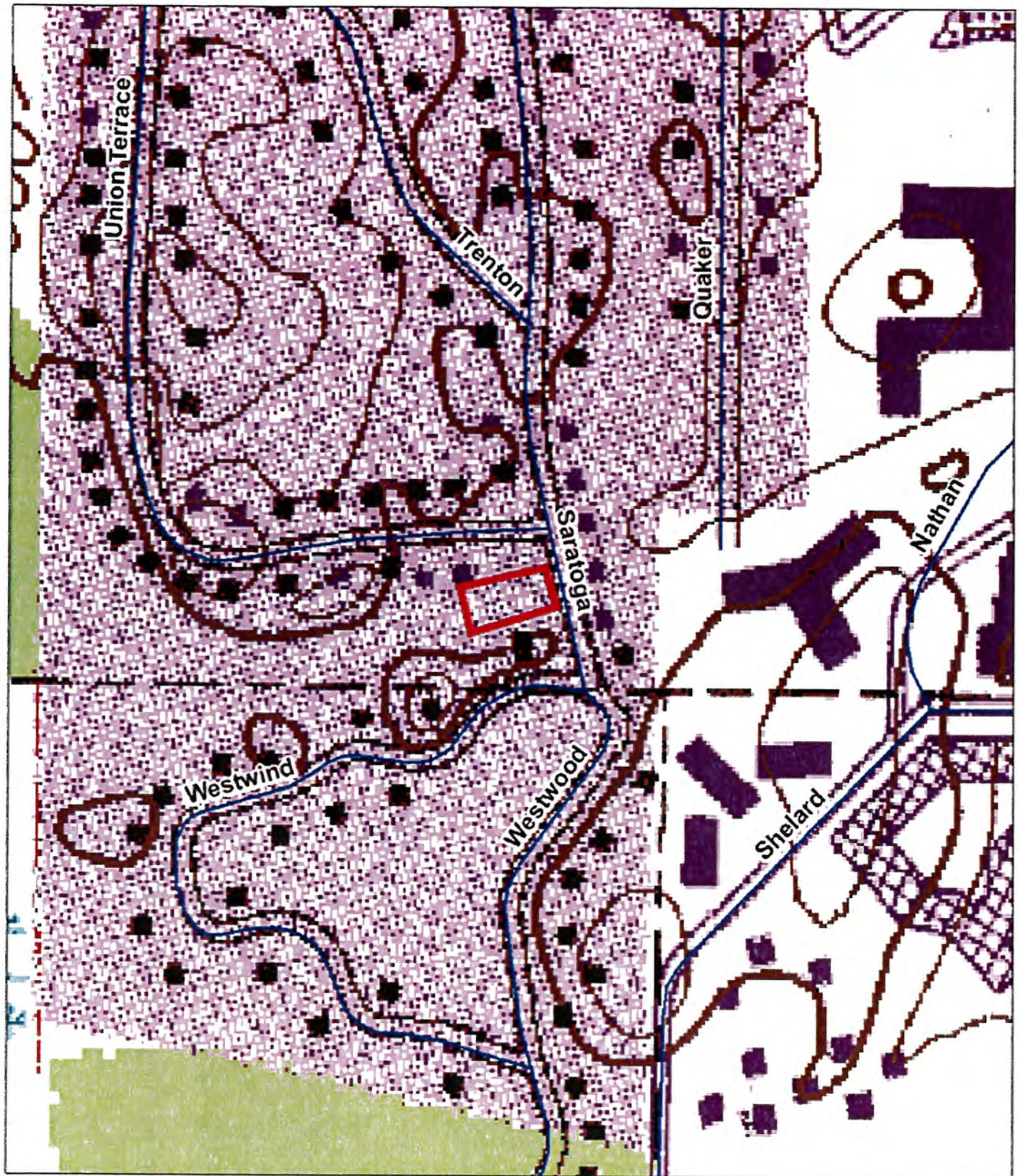
US Army Corps of Engineers
St. Paul District, ATTN: OP-R
180 Fifth St. East, Suite 700
St. Paul, MN 55101-1678

- For Wetland Bank Plan applications, also send a copy of the application to:
Minnesota Board of Water and Soil Resources
Wetland Bank Coordinator
520 Lafayette Road North
St. Paul, MN 55155

5. ATTACHMENTS

In addition to the application, list any other attachments:

- ☒ **Location Map**
☒ **Wetland Map**




 arrowhead
 environmental
 consulting

Map of Project Location

Overlaid on USGS Topo Map

 Approximate Parcel Boundary

0 250 500 1,000 Feet



Figure 1

Rafik Moore
 11 Saratoga Lane
 Plymouth, MN 55441



Approximate Parcel Boundary Approximate Wetland Boundary Sample Point


arrowhead
environmental
consulting

Wetland Delineation Map

Overlaid on 2012 Aerial Image

0 50 100 200 Feet



Figure 5

Rafik Moore
11 Saratoga Lane
Plymouth, MN 55441

Minnesota Wetland Conservation Act

Notice of Decision

Local Government Unit (LGU) City of Plymouth	Address 3400 Plymouth Blvd. Plymouth, MN 55447
--	--

1. PROJECT INFORMATION

Applicant Name Rafik Moore	Project Name 11 Saratoga Lane	Date of Application 8/19/13	Application Number NA
☒ Attach site locator map.			

Type of Decision:

☒ Wetland Boundary or Type	☐ No-Loss	☐ Exemption	☐ Sequencing
☐ Replacement Plan	☐ Banking Plan		

Technical Evaluation Panel Findings and Recommendation (if any):

☐ Approve	☐ Approve with conditions	☐ Deny
Summary (or attach): 		

2. LOCAL GOVERNMENT UNIT DECISION

Date of Decision: 9/24/13		
☒ Approved	☐ Approved with conditions (include below)	☐ Denied

LGU Findings and Conclusions (attach additional sheets as necessary):

On July 18th, 2013 Arrowhead Environmental Consulting (AEC) completed a wetland delineation at 11 Saratoga Lane in Plymouth, MN. One wetland was delineated on-site. Wetland 1 is a Seasonnally Flooded, Type 1L, PFO1A basin dominated by green ash, boxelder, crrant, and common buckthorn. The City of Plymouth concurs with the wetland boundaries and types as described in the wetland delineation report for 11 Saratoga Lane dated July 30, 2013.
--

For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for Withdrawal (sq. ft. or nearest .01 acre)

Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a Wetland Replacement Plan is conditional upon the following:

- ☐ **Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).
- ☐ **Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.
- ☐ **Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.

Name Derek Asche	Title Water Resources Manager	
Signature 	Date 9/24/13	Phone Number and E-mail 763-509-5526 dasche@plymouthmn.gov

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

Check one:

☒ Appeal of an LGU staff decision. Send petition and \$0 fee (if applicable) to: Derek Asche, Water Resources Manager City of Plymouth 3400 Plymouth Blvd. Plymouth, MN 55447	☐ Appeal of LGU governing body decision. Send petition and \$500 filing fee to: Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155
---	---

4. LIST OF ADDRESSEES

- ☒ HCD TEP member: Ms. Stacey Lijewski, HCD, 701 Fourth Avenue South, Suite 700, Minneapolis, MN, 55415-1600 (sent electronically)
- ☒ BWSR TEP member: Ms. Lynda Peterson, BWSR, 520 Lafayette Rd. N., St. Paul, MN, 55155 (sent electronically)
- ☐ LGU TEP member (if different than LGU Contact):
- ☒ DNR TEP member: Melissa Doperalski, MN DNR, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
- ☐ DNR Regional Office (if different than DNR TEP member)
Ms. Kate Drewry, DNR Division of Ecological and Water Resources, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
- ☒ WD or WMO (if applicable): BCWMC, c/o Laura Jester, Keystone Waters, LLC, 16415 Hillcrest Lane, Eden Prairie, MN, 55346 (sent electronically)
- ☒ Applicant and Landowner (if different):
Mr. Rafik, Moore, 11 Saratoga Lane, Plymouth, MN, 55441
Investors Capital, LLC., 3328 Lake Street E., Minneapolis, MN, 55406
- ☒ Members of the public who requested notice:
Mr. Ben Carlson, Arrowhead Environmental Consulting, 2909 Meadow Lane, Mound, MN, 55364 (sent electronically)
- ☒ Corps of Engineers Project Manager: Melissa Jenny, Army Corps of Engineers, 180 5th Street East, Suite 700, St. Paul, MN, 55101-1678 (sent electronically)
- ☐ BWSR Wetland Bank Coordinator (wetland bank plan decisions only)

5. MAILING INFORMATION

- For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA_areas.pdf
- For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf
- Department of Natural Resources Regional Offices:

<u>NW Region:</u>	<u>NE Region:</u>	<u>Central Region:</u>	<u>Southern Region:</u>
Reg. Env. Assess. Ecol. Div. Ecol. Resources 2115 Birchmont Beach Rd. NE Bemidji, MN 56601	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1201 E. Hwy. 2 Grand Rapids, MN 55744	Reg. Env. Assess. Ecol. Div. Ecol. Resources 1200 Warner Road St. Paul, MN 55106	Reg. Env. Assess. Ecol. Div. Ecol. Resources 261 Hwy. 15 South New Ulm, MN 56073

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

- For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
or send to:

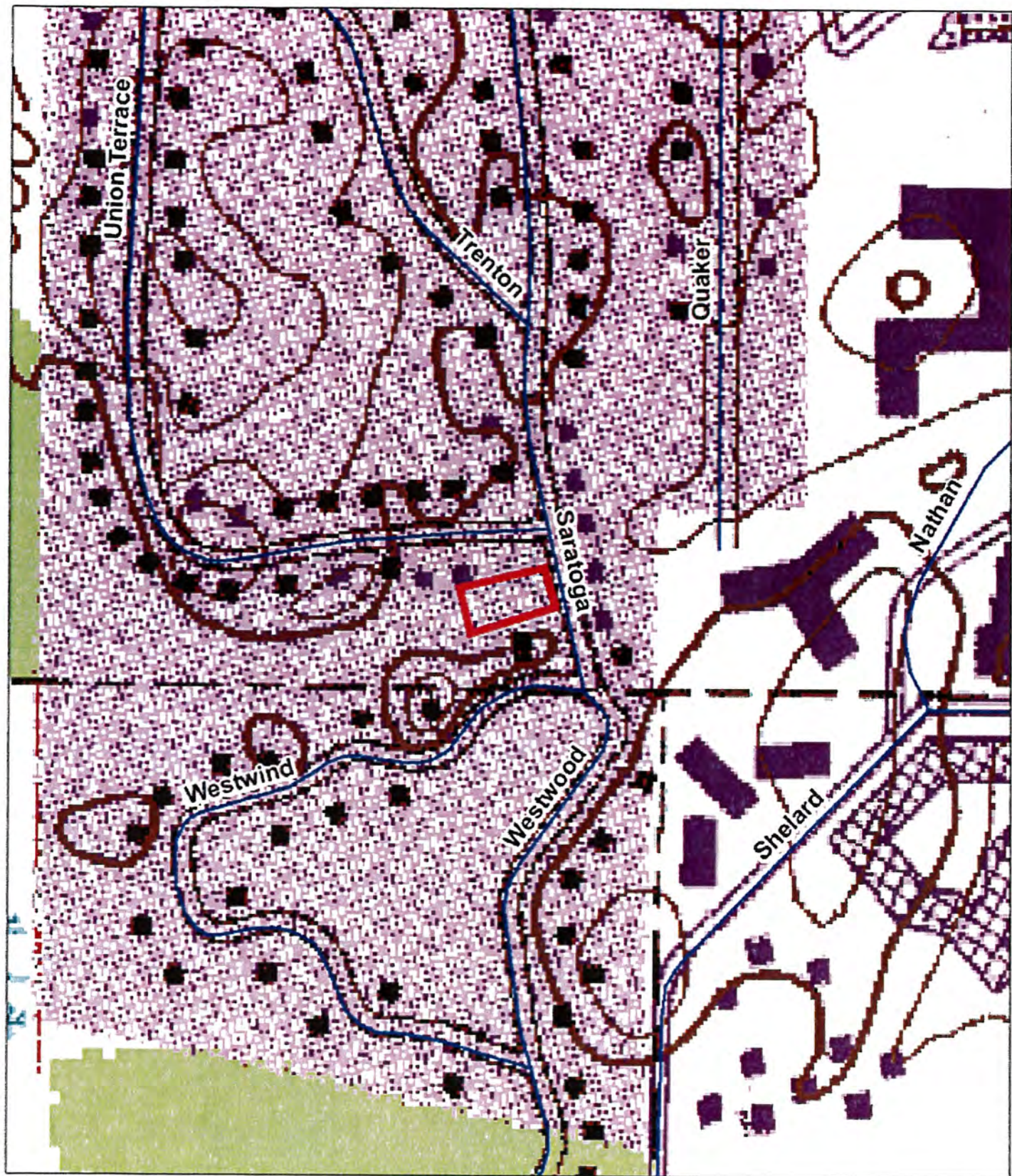
US Army Corps of Engineers
St. Paul District, ATTN: OP-R
180 Fifth St. East, Suite 700
St. Paul, MN 55101-1678

- For Wetland Bank Plan applications, also send a copy of the application to:
Minnesota Board of Water and Soil Resources
Wetland Bank Coordinator
520 Lafayette Road North
St. Paul, MN 55155

6. ATTACHMENTS

In addition to the site locator map, list any other attachments:

☐
☐




 arrowhead
 environmental
 consulting

Map of Project Location

Overlaid on USGS Topo Map

 Approximate Parcel Boundary

0 250 500 1,000 Feet



Figure 1

Rafik Moore
 11 Saratoga Lane
 Plymouth, MN 55441

Minnesota Wetland Conservation Act

Notice of Decision

Local Government Unit (LGU) City of Plymouth	Address 3400 Plymouth Blvd. Plymouth, MN 55447
--	--

1. PROJECT INFORMATION

Applicant Name Rodney Berg	Project Name Berg Site	Date of Application 8/30/13	Application Number NA
☒ Attach site locator map.			

Type of Decision:

☒ Wetland Boundary or Type	☐ No-Loss	☐ Exemption	☐ Sequencing
☐ Replacement Plan	☐ Banking Plan		

Technical Evaluation Panel Findings and Recommendation (if any):

☐ Approve	☐ Approve with conditions	☐ Deny
Summary (or attach): 		

2. LOCAL GOVERNMENT UNIT DECISION

Date of Decision: 10/1/13		
☒ Approved	☐ Approved with conditions (include below)	☐ Denied

LGU Findings and Conclusions (attach additional sheets as necessary):

Bopray Environmental Services LLC (BES) completed a wetland delineation on an approximately 4.25 acre site located in the NW 1/4 of Section 17, T118N, R22W in the City of Plymouth, Minnesota. Two wetlands were delineated on-site. Wetland A is described as a Type 3, shallow marsh, PEMCd wetland dominated by cattail. Wetland B is described as a seasonally flooded basin, PUBF, and is also known as Plymouth Creek, a MN DNR Public Waterbody. The wetland boundaries and type are approved as described in the wetland delineation report dated July 24, 2013 by BES.
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For Replacement Plans using credits from the State Wetland Bank:

Bank Account #	Bank Service Area	County	Credits Approved for Withdrawal (sq. ft. or nearest .01 acre)
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Replacement Plan Approval Conditions. In addition to any conditions specified by the LGU, the approval of a Wetland Replacement Plan is conditional upon the following:

☐ **Financial Assurance:** For project-specific replacement that is not in-advance, a financial assurance specified by the LGU must be submitted to the LGU in accordance with MN Rule 8420.0522, Subp. 9 (List amount and type in LGU Findings).

☐ **Deed Recording:** For project-specific replacement, evidence must be provided to the LGU that the BWSR "Declaration of Restrictions and Covenants" and "Consent to Replacement Wetland" forms have been filed with the county recorder's office in which the replacement wetland is located.

☐ **Credit Withdrawal:** For replacement consisting of wetland bank credits, confirmation that BWSR has withdrawn the credits from the state wetland bank as specified in the approved replacement plan.

Wetlands may not be impacted until all applicable conditions have been met!

LGU Authorized Signature:

Signing and mailing of this completed form to the appropriate recipients in accordance with 8420.0255, Subp. 5 provides notice that a decision was made by the LGU under the Wetland Conservation Act as specified above. If additional details on the decision exist, they have been provided to the landowner and are available from the LGU upon request.		
Name Derek Asche	Title Water Resources Manager	
Signature 	Date 10/1/13	Phone Number and E-mail 763-509-5526 dasche@plymouthmn.gov

THIS DECISION ONLY APPLIES TO THE MINNESOTA WETLAND CONSERVATION ACT. Additional approvals or permits from local, state, and federal agencies may be required. Check with all appropriate authorities before commencing work in or near wetlands.

Applicants proceed at their own risk if work authorized by this decision is started before the time period for appeal (30 days) has expired. If this decision is reversed or revised under appeal, the applicant may be responsible for restoring or replacing all wetland impacts.

This decision is valid for three years from the date of decision unless a longer period is advised by the TEP and specified in this notice of decision.

3. APPEAL OF THIS DECISION

Pursuant to MN Rule 8420.0905, any appeal of this decision can only be commenced by mailing a petition for appeal, including applicable fee, within thirty (30) calendar days of the date of the mailing of this Notice to the following as indicated:

Check one:

☒ Appeal of an LGU staff decision. Send petition and \$0 fee (if applicable) to: Derek Asche, Water Resources Manager Plymouth City Hall 3400 Plymouth Blvd. Plymouth, MN 55447	☐ Appeal of LGU governing body decision. Send petition and \$500 filing fee to: Executive Director Minnesota Board of Water and Soil Resources 520 Lafayette Road North St. Paul, MN 55155
---	---

4. LIST OF ADDRESSEES

- ☒ HCD TEP member: Ms. Stacey Lijewski, HCD, 701 Fourth Avenue South, Suite 700, Minneapolis, MN, 55415-1600 (sent electronically)
- ☒ BWSR TEP member: Ms. Lynda Peterson, BWSR, 520 Lafayette Rd. N., St. Paul, MN, 55155 (sent electronically)
- ☐ LGU TEP member (if different than LGU Contact):
- ☒ DNR TEP member: Melissa Doperalski, MN DNR, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
- ☐ DNR Regional Office (if different than DNR TEP member)
Ms. Kate Drewry, DNR Division of Ecological and Water Resources, 1200 Warner Road, St. Paul, MN, 55106 (sent electronically)
- ☒ WD or WMO (if applicable): BCWMC, c/o Laura Jester, Keystone Waters, LLC, 16415 Hillcrest Lane, Eden Prairie, MN, 55346 (sent electronically)
- ☒ Applicant and Landowner (if different):
Rodney Berg, 4225 Dunkirk Lane North, Plymouth, MN, 55446
- ☒ Members of the public who requested notice:
Mr. Kelly Boprav, BES, N7831 920th St., River Falls, WI, 54022 (sent electronically)
- ☒ Corps of Engineers Project Manager: Melissa Jenny, Army Corps of Engineers, 180 5th Street East, Suite 700, St. Paul, MN, 55101-1678 (sent electronically)
- ☐ BWSR Wetland Bank Coordinator (wetland bank plan decisions only)

5. MAILING INFORMATION

➤ For a list of BWSR TEP representatives: www.bwsr.state.mn.us/aboutbwsr/workareas/WCA_areas.pdf

➤ For a list of DNR TEP representatives: www.bwsr.state.mn.us/wetlands/wca/DNR_TEP_contacts.pdf

➤ Department of Natural Resources Regional Offices:

NW Region:	NE Region:	Central Region:	Southern Region:
Reg. Env. Assess. Ecol.	Reg. Env. Assess. Ecol.	Reg. Env. Assess. Ecol.	Reg. Env. Assess. Ecol.
Div. Ecol. Resources	Div. Ecol. Resources	Div. Ecol. Resources	Div. Ecol. Resources
2115 Birchmont Beach Rd.	1201 E. Hwy. 2	1200 Warner Road	261 Hwy. 15 South
NE	Grand Rapids, MN 55744	St. Paul, MN 55106	New Ulm, MN 56073
Bemidji, MN 56601			

For a map of DNR Administrative Regions, see: http://files.dnr.state.mn.us/aboutdnr/dnr_regions.pdf

➤ For a list of Corps of Project Managers: www.mvp.usace.army.mil/regulatory/default.asp?pageid=687
or send to:

US Army Corps of Engineers
St. Paul District, ATTN: OP-R
180 Fifth St. East, Suite 700
St. Paul, MN 55101-1678

➤ For Wetland Bank Plan applications, also send a copy of the application to:

Minnesota Board of Water and Soil Resources
Wetland Bank Coordinator
520 Lafayette Road North
St. Paul, MN 55155

6. ATTACHMENTS

In addition to the site locator map, list any other attachments:

☐
☐
☐
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