Victoria Shores Residential Development
Environmental Assessment Worksheet (EAW)
Roseville, MN

for

Builders Lot Group, LLC
9531 West 78th Street
Suite 135
Eden Prairie, MN 55344

September 20, 2021

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Victoria Shores Residential Development

Environmental Assessment Worksheet

Roseville, MN

1.	**Project Title**	Victoria Shores Residential Development
2.	**Proposer**	Builders Lot Group, LLC.
	Contact Person	Melvin Brown Moore
	Title	Owner
	Address	9531 West 78th Street, Suite 135
	City, State, Zip	Eden Prairie, Minnesota 55344
	Phone	952-314-7130
	Email	Mlmoore00@yahoo.com
3.	**RGU**	City of Roseville
	Contact Person	Janice Gundlach
	Title	Community Development Director
	Address	2660 Civic Center Drive
	City, State, Zip	Roseville, Minnesota 55113
	Phone	651-792-7071
	Fax	651-792-7070
	E-mail	janice.gundlach@cityofroseville.com
4.	**Reason for EAW Preparation**	Discretionary EAW, ordered by the city of Roseville in response to a citizen-led petition
5.	**Location and Maps**	The index of figures can be found on page 4
	County	Ramsey
	City	Roseville
	PLS Location	T29N, R23W, S2
	Watershed	Mississippi River – Twin Cities
	GPS Coordinates	45°1'35.737"N, 93° 8'17.208"W
	Tax Parcel Numbers:	022923310058, 022923310048, 02293310001

Parcel ID	Tax Parcel #	Legal Descriptions
A	022923310001	Lot One (1), Block Two (2), Richard's Park, according to the recorded plat thereof, and situated in Ramsey County, Minnesota
B	022923310048	That part of Government Lot 3, Section2; Township 29, Range 23, described as follows: The North 306.1 feet of the South 886.1 feet of Government Lot 3, except the West 500 feet thereof and except the North 80 feet of the South 755 feet lying Westerly of Victoria Street, and situated in Ramsey County, Minnesota
C	022923310058	That part of the following parcel which lies East of the West 370 feet thereof: Beginning at a point on the West line of Lot 3, Section 2, Township 29, Range 23, 480 feet North of the Southwest corner of said Government Lot 3, thence East parallel to the South line of said Government Lot 3, 666 feet, more or less, to shore of Lake Owasso, thence Northeasterly along the shore line of said Lake Owasso to a point 580 feet North of the South line of said Government Lot 3, measured at right angles to said South line of said Government Lot 3; thence West parallel to the South line of said Government Lot 3, 830 feet, more or less, to a point on the West line of said Government Lot 3, 580 feet North of the Southwest corner of said Government Lot 3, thence South 100 feet to the point of beginning, and situated in Ramsey County, Minnesota.

The following is a complete list of figures in this EAW which can be found in **Appendix "A"**.

FIGURE #	FIGURE TITLE
1	Regional Location
2	Project Area
3	Concept Site Plan
4	USGS Map
5	Existing Cover Types
6	Proposed Cover Types
7	Soils
8	Zoning Map
9	2040 Future Land Use Map
10	Delineated Wetlands
11	National Wetland Inventory
12	100 Year Floodplain Map
13	Historic Site Locations

6. Description

The description section of an EAW should include the following elements for each major development scenario included:

a. Provide a project summary of 50 words or less to be published in the EQB Monitor.

EQB Monitor Heading..... Environmental Assessment Worksheet

Comment Deadline..... TBD

Project Title..... Victoria Shores Residential Development

Project Description..... The proposed Victoria Shores Residential Development project would entail the development of approximately 6.75 acres within the city of Roseville, MN. The project proposes the development of eight single-family units on three vacant lots.

Copies of the Draft EAW have been distributed to agencies listed on the most current Minnesota Environmental Quality Board distribution list. The Draft EAW may be accessed by anyone electronically on the city of Roseville's website; and copies are available for review at City Hall, Ramsey County Library in Roseville, and the Minneapolis Branch of the Hennepin County Public Library (300 Nicollet Mall, Minneapolis).

RGU..... City of Roseville

Contact Person..... Janice Gundlach

2660 Civic Center Drive

Roseville, MN, 55113

Phone: 651-792-7071

Email: janice.gundlach@cityofroseville.com

b. Give a complete description of the proposed project and related new construction. Attach additional sheets as necessary. Emphasize construction, operation methods and features that will cause physical manipulation of the environment or will produce wastes. Include modifications to existing equipment or industrial processes and significant demolition, removal or remodeling of existing structures. Indicate the timing and duration of construction activities.

The area being studied by the EAW is located in Roseville, MN, within Ramsey County, east of Victoria Street N near the intersections of County Road C2 and Orchard Lane. (see **Figure 1**). The proposed Victoria Shores Residential Development project would entail the development of approximately 6.75 acres within the city of Roseville, MN. The project proposes the development of eight single-family units on three vacant lots; docks will be installed per the proposed plan, by the individual property owners and the HOA at the time of construction. The proposed Concept Site Plan is included in **Figure 3**.

Construction will begin within three weeks of final approval of the plat and will take approximately four (4) weeks to complete. This includes prepping the land for small utility installation to the existing sewer and water lines along Victoria Street N.

Individual houses will be built as the market allows and adhere to all city of Roseville zoning and building

regulations.

c. Project Magnitude Data

Total project acreage ..... 6.75 acres

Number & type of residential uses ..... 8 single-family units

d. Explain the project purpose; if the project will be carried out by a governmental unit, explain the need for the project and identify its beneficiaries.

A governmental unit is not carrying out the project. The purpose of the project is to provide needed residential housing to accommodate an increasing population in the city of Roseville. The project will benefit future and current city residents.

e. Are future stages of this development (including development on any other property) planned or likely to happen?

No future phases of development, other than those described as part of the project, are proposed on the project site and there are no known plans for development in the vicinity.

f. Is this project a subsequent stage of an earlier project?

The project is not a subsequent stage of an earlier project.

7. Cover Types

Estimate the acreage of the site with each of the following cover types before and after development:

- Wetlands – identified by type (Circular 39)
- Watercourses – rivers, streams, creeks ditches
- Lakes – identify protected waters status and shoreland management classification
- Woodlands – breakdown by classes where possible
- Grassland – identify native and old field
- Cropland
- Current development

Please refer to Figures 5 & 6 for a visual depiction of the following before and after cover types within the study area:

Cover Types & Subtypes	≈ Before Acres	≈ After Development
Types 1 – 8		
Wetlands	1.84*	1.84*
Watercourses	0.00	0.00
Lakes	0.18	0.18
Woodlands	4.73	2.75
Grassland	0.00	0.00
Cropland	0.00	0.00
Developed Land	0.00	1.98
Totals:	**6.75**	**6.75**

*This number was determined by wetland delineations performed by certified wetland delineators at Sambatek.

Approximately, 70% of the project area is currently woodland, 28% is wetland, and the remaining 2% is lake.

Although the project design will be further refined through the review process, the currently proposed plan indicates that approximately 30% of the project area will consist of developed land, 40% will consist of woodlands, and the remaining 30% will consist of wetlands and Lake Owasso.

A tree inventory of the site was completed in January 2021 by Mark Rehder, who is a certified arborist through the International Society of Arboriculture. The tree inventory was completed per the requirements outlined in Chapter 1011.04 (Tree Preservation and Restoration in All Districts) of the Roseville city code. 300 trees with a diameter at breast height greater than six inches were identified on the site. These consist of Silver Maple, Boxelder, Green Ash, American Elm, Black Willow, Red Maple, Black Walnut, Red Cedar, Red Oak, and Eastern Cottonwood. This project will meet city of Roseville's tree replacement requirements; there are 300 existing trees on site and the project will remove 127 of the trees identified, of which 32 of the removed trees are considered exempt. Of the trees proposed for removal, 122 include Silver Maple, Boxelder, Green Ash, American Elm and Eastern Cottonwood. Sixteen trees will be planted with the proposed development.

8. Permits and approvals required.

List all known local, state and federal permits, approvals and financial assistance for the project. Include modifications of any existing permits, governmental review of plans and all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing and infrastructure. All of these final decisions are prohibited until all appropriate environmental review has been completed. See Minnesota Rules, Chapter 4410.3100.

Currently Assumed Approvals Needed:

Unit of Government	Type of Application	Status
FEDERAL		
St. Paul District of the U.S. Army Corps of Engineers (COE)	Letter of No Wetlands Jurisdiction	Received
STATE		
Minnesota Department of Resources (MNDNR)	MN Natural Heritage Database Review	Complete
	General Permit for Temporary Water Appropriations	Applied for (docks)
MN Pollution Control Agency (MPCA)	National Pollution Discharge Elimination System Construction Permit (NPDES	To be applied for
	Stormwater Pollution Prevention Plan (SWPPP)	To be applied for if needed
State Historic Preservation Office (SHPO)	Archeological/historic sites review	Complete
LOCAL		
Metropolitan Council	Metropolitan Council Environmental Services (MCES) Permit	To be applied for
Ramsey County	Roadway Access Permit	To be applied for
	Plat Approval	To be applied for
Ramsey-Washington Metro Watershed District (RWMWD)	Certification of Wetland Replacement	Not applicable per WCA
	Storm Water Management Plan Review	To be applied for if needed
City of Roseville	Building Permits, Sewer Access Charges (SAC) and Water Access Charges (WAC)	To be applied for
	Erosion Control, Grading, and Storm Water Permits	To be applied for
	City of Roseville Right of Way Permit	To be applied for
	Conditional Use Permit - Joint Use Dock	In-process (on-hold pending completion of the EAW process)
	Plat Approval - Public Improvement Contract	In-process (on-hold pending completion of the EAW process)
	Municipal Water Connection	To be applied for

	Sanitary Sewer Connection Permit	To be applied for

9. Land Use

a. Describe:

i. Existing land use of the site as well as areas adjacent to and near the site, including parks, trails, prime or unique farmlands.

The project area currently consists of woodland, wetland, and lake. Lake Owasso borders the project area to the south/southeast. The adjacent properties to the north, west, and south consist of single-family residential properties. No parks or trails are adjacent to the project area.

Although none of the site is currently utilized for agricultural production, the Soil Survey indicates that approximately 45% of the site is considered prime farmland. The remaining 55% is considered not prime farmland (**See Figure 7**).

ii. Plans. Describe planned land use as identified in comprehensive plan (if available) and any other applicable plan for land use, water, or resources management by a local, regional, state, or federal agency.

The planned land use for the project area consists of low density residential per the city of Roseville's 2040 Future Land Use Plan Map (**see Figure 9**).

The project area is located within the RWMWD and is governed by RWMWD.

iii. Zoning, including special districts or overlays such as shoreland, floodplain, wild and scenic rivers, critical area, agricultural preserves, etc.

The project area is under one ownership and is currently zoned as Low Density Residential – 1 (LDR-1) based on the city of Roseville Zoning Map (**see Figure 8**). This zoning designation is designed to provide for a residential environment of predominantly low-density, one-family dwellings. The minimum interior lot area is designated as 15,000 square feet and the minimum interior lot width is 100 feet. The minimum rear lot width is 45 feet. The total improvement area of the parcels is limited to 50% of the parcel. Since the parcels are within the shoreland management district, the impervious surface area within the improvement area cannot exceed 25% of the parcel and a lot width of 100 feet must be maintained at the ordinary high water level of Lake Owasso. The proposed project will meet all these requirements.

Based on the data provided by FEMA, approximately 2.2 acres of the site is within the 100-year floodplain of Lake Owasso. This area includes the southeast portion of the project area (**see Figure 12**). The project is not expected to affect the floodplain of the site.

b. Discuss the project's compatibility with nearby land uses, zoning, and plans listed in Item 9a above, concentrating on implications for environmental effects.

The project area is designated as Low Density Residential by the city of Roseville's Zoning Map and the 2040 Land Use Plan. The proposed project is consistent with these designations.

c. Identify measures incorporated into the proposed project to mitigate any potential incompatibility as

discussed in Item 9b above.

No inconsistencies were identified above, therefore no mitigation measures need to be applied.

10. Geology, soils and topography/land forms

a. Geology – Describe the geology underlying the project area and identify and map any susceptible geologic features such as sinkholes, shallow limestone formations, unconfined/shallow aquifers, or karst conditions. Discuss any limitations of these features for the project and any effects the project could have on these features. Identify any project designs or mitigation measures to address effects to geologic features.

According to the Minnesota Geological Survey, depth to bedrock is approximately 200 feet below the existing ground surface within the limits of the project area. No known geologic hazards in the form of sinkholes, faults, shallow limestone formations, and karst topography are present on the site. Therefore, measures to avoid or minimize environmental problems due to these hazards are not proposed.

The bedrock underlying the project area is identified as St. Peter Sandstone. The upper half to two-thirds of the St. Peter Sandstone Group is fine to medium-grained, quartz sandstone. The lower portion is multicolored beds of mudstone, siltstone, and shale with interbeds of very coarse sandstone.

b. Soils and topography – Describe the soils on the site, giving NRCS (SCS) classifications and descriptions, including limitations of soils. Describe topography, any special site conditions relating to erosion potential, soil stability or other soils limitations, such as steep slopes, highly permeable soils. Provide estimated volume and acreage of soil excavation and/or grading. Discuss impacts from project activities (distinguish between construction and operational activities) related to soils and topography. Identify measures during and after project construction to address soil limitations including stabilization, soil corrections or other measures. Erosion/sedimentation control related to stormwater runoff should be addressed in response to the stormwater "water resources" question.

The majority of the site is currently undeveloped with areas of trees and wetlands. The project area gently slopes to the southeast. The soils are a mixture of loams and organic soils with moderate permeability (**see Figure 7**).

Map Symbol	SCS Soils Classification	≈ Acres	% of site
132B	Hayden fine sandy loam, 2-6% slopes	3.55	52.9
860C	Urban land-Hayden-Kingsley complex, 3-15% slopes	1.80	26.1
1055	Aquolls and histosols, ponded	1.40	20.9

Soils within the project limits are generally non-erodible and suitable for the proposed uses. Mitigation based on typical erosion control and sedimentation regulations will be provided.

11. Water Resources

a. Describe surface water and groundwater features on or near the site in a.i. and a.ii. below.

i. Surface water - lakes, streams, wetlands, intermittent channels, and county/judicial ditches. Include any special designations such as public waters, trout stream/lake, wildlife lakes, migratory waterfowl feeding/resting lake, and outstanding resource value water. Include water quality impairments or special designations listed on the current MPCA 303d Impaired Waters List that are within 1 mile of the project. Include DNR Public Waters Inventory number(s), if any.

Within the project area there are two acres of existing waterbodies consisting of one Type 2 wetland and one DNR Public Water Basin. The DNR Public Water Basin is identified as Lake Owasso and is located along the southeastern edge of the project area. Lake Owasso has been delisted from the MPCA 303d Impaired Waters list.

The Type 2 wetland was delineated by JD Donath, who is a Minnesota certified wetland delineator (#1105). The wetland boundary was reviewed by the Board of Water and Soil Resources (BWSR) and RWMWD. The wetland boundary was approved by RWMWD on April 28, 2021; the approval letter can be found at the beginning of **Appendix C**. National Wetland Inventory mapped wetlands are provided in **Figure 11**.

ii. Groundwater – aquifers, springs, seeps. Include: 1) depth to groundwater; 2) if project is within a MDH wellhead protection area; 3) identification of any onsite and/or nearby wells, including unique numbers and well logs if available. If there are no wells known on site or nearby, explain the methodology used to determine this.

There are no known seeps or springs within the project area. Based on the Geologic Atlas of Ramsey County, the static groundwater elevation in the vicinity of the project area is approximately 900 feet above mean sea level and the ground water generally flows to the southeast. The USGS NWIS and Minnesota Geologic Survey CWI databases were reviewed as part of the Phase I Environmental Site Assessment. No wells were identified within the project area by these databases. The site is located within the Saint Paul Regional Water Services Drinking Water Supply Management Area (DWSMA).

b. Describe effects from project activities on water resources and measures to minimize or mitigate the effects in Item b.i. through Item b.iv. below.

i. Wastewater – For each of the following, describe the sources, quantities and composition of all sanitary, municipal/domestic and industrial wastewater produced or treated at the site.

1) If the wastewater discharge is to a publicly owned treatment facility, identify any pretreatment measures and the ability of the facility to handle the added water and waste loadings, including any effects on, or required expansion of, municipal wastewater infrastructure.

2) If the wastewater discharge is to a subsurface sewage treatment systems (SSTS), describe the system used, the design flow, and suitability of site conditions for such a system.

3) If the wastewater discharge is to surface water, identify the wastewater treatment methods and identify discharge points and proposed effluent limitations to mitigate impacts. Discuss any effects to surface or groundwater from wastewater discharges.

Sanitary sewer service in the form of a trunk line has been provided by the City to the area in which the residential lots are to be developed, as the development would infill a current residential development. Residential lots would connect via service connection to the sanitary sewer trunk line. The source of wastewater discharge from the site is expected to consist of the quantity and composition of wastewater typical of 100% single-family residential homes.

ii. **Stormwater** - Describe the quantity and quality of stormwater runoff at the site prior to and post construction. Include the routes and receiving water bodies for runoff from the site (major downstream water bodies as well as the immediate receiving waters). Discuss any environmental effects from stormwater discharges. Describe stormwater pollution prevention plans including temporary and permanent runoff controls and potential BMP site locations to manage or treat stormwater runoff. Identify specific erosion control, sedimentation control or stabilization measures to address soil limitations during and after project construction.

Stormwater runoff for the existing conditions runs off the impervious surfaces of rooftops, roadways, and driveways, and generally flows from west to east, in the project vicinity where it runs into Lake Owasso. The topography in the area is higher at the western portion of the project area and slopes downhill to the east to the shores of the lake. Victoria Street does have bituminous curb at locations where there are existing homesites east of the roadway. At locations of existing bituminous curb, the stormwater is conveyed to Lake Owasso via existing catch basins and storm sewer, so that runoff from Victoria Street doesn't flow into the front yards east of the roadway. At undeveloped locations east of Victoria Street, stormwater runoff runs off the road to directly to the lake, with its only stormwater treatment being the riparian corridor between Victoria Street and Lake Owasso. The existing homes in the area were developed prior to the time when stormwater regulations were put into place to ensure runoff is maintained to pre-development conditions. However, with the lower housing density and significant number of trees between Victoria Street and Lake Owasso, existing stormwater quality running off the site is generally pretty good.

The proposed project has been designed to meet the stormwater quantity and quality standards and requirements set by the RWMWD and the city of Roseville. Permanent stormwater Best Management Practices (BMPs) have been designed to manage the site's stormwater runoff and include one underground filtration/storage system and one above-ground filtration basin. Catch basins and storm sewer pipes convey the stormwater runoff to those systems. Temporary erosion and sediment control BMPs will be utilized during construction to ensure disturbed soil does not run off the site to surface waters or storm sewer. The project stormwater pollution prevention plan (SWPPP) ensures that the construction contractor follows proper procedures to prevent polluting stormwater runoff from the site during construction activity. City of Roseville and the RWMWD require operation and maintenance plans and maintenance agreements to ensure the permanent stormwater BMPs are maintained in the long-term.

iii. **Water appropriation** - Describe if the project proposes to appropriate surface or groundwater (including dewatering). Describe the source, quantity, duration, use and purpose of the water use and if a DNR water appropriation permit is required. Describe any well abandonment. If connecting to an existing municipal water supply, identify the wells to be used as a water source and any effects on, or required expansion of, municipal water infrastructure. Discuss environmental effects from water appropriation, including an assessment of the water resources available for appropriation. Identify any measures to avoid, minimize, or mitigate environmental effects from the water appropriation.

No water appropriation will occur with the proposed project.

iv. Surface Waters

1) Wetlands - Describe any anticipated physical effects or alterations to wetland features such as draining, filling, permanent inundation, dredging and vegetative removal. Discuss direct and indirect environmental effects from physical modification of wetlands, including the anticipated effects that any proposed wetland alterations may have to the host watershed. Identify measures to avoid (e.g., available alternatives that were considered), minimize, or mitigate environmental effects to wetlands. Discuss whether any required compensatory wetland mitigation for unavoidable wetland impacts will occur in the same minor or major watershed and identify those probable locations.

A wetland delineation of the project area was completed by a certified wetland delineator in accordance with the 1987 US Army Corps of Engineers Wetland Delineation Manual and the Northeast/ Northcentral Regional Supplement. See **Appendix C** for the Wetland Delineation Report. One wetland was identified fringing Lake Owasso. The wetland delineation (boundary and report) was approved by the RWMWD, which is the local governing agency that administers the Minnesota Wetland Conservation Act (WCA). The COE, which administers Section 404 of the Clean Water Act, were provided a copy of the wetland delineation report. The COE determined that they do not have jurisdiction of the delineated wetland and that a permit is not required from the COE for the installation of the proposed docks.

Docks will be installed per the proposed plan by the individual property owners and Homeowners Association (HOA) at the time of construction. The applicant has filed an application with the MNDNR for the proposed docks and has received approval for the use. The proposed docks are not regulated by any other local, state, or federal agency and therefore no other permits are needed for the docks.

Wetlands are valuable resources and provide multiple benefits to the ecosystem. The wetlands located along Lake Owasso are no different and measures to avoid and minimize impacts to these wetlands are considered in the site design. The potential for indirect impact to the wetlands were examined for the purpose of this document. A majority of Lake Owasso is already developed. This provides insight into the potential for future indirect impacts to the wetland located on the subject project area. USGS Topographic maps, which illustrates the contours within Lake Owasso and wetland areas along the shoreline were obtained. The USGS Topographic maps span the period of 1902 to 2016. In addition, historical aerial images were obtained from Environmental Risk Information Services (ERIS), which includes images from 1940 to 2019 and is limited to the western half of Lake Owasso. The topographic maps and ERIS images were reviewed to understand the potential for indirect wetland impacts to the project area. The only wetland illustrated in the 1902 USGS Topographic map is along the southwestern end of Lake Owasso. The next available USGS Topographic map (1952) illustrates wetland areas in the southwest corner, along the south shoreline of the eastern end of the lake and along the northern shoreline of the western end of the lake (including the project area). A significant number of structures have been built along the north, east and south shorelines of the lake by 1952. The 1967 USGS Topographic map illustrates more residential development along the south shoreline with little change in development along the north shoreline. The only alteration to the wetland is located along the northern shoreline where it appears that a channel has been dredged through the wetland ending at what appears to be upland. Since 1967 more residences have been established along Lake Owasso, but no changes to the wetlands are noted.

The historical aerial images were reviewed to support the information noted in the USGS

Topographic maps. The earliest historical image is from 1940 and shows the western half of Lake Owasso undeveloped. Wetlands are apparent along the north and south shorelines. The western end of Lake Owasso appears to be void of wetland communities. Wetland communities are present along the north shoreline on the next available image from 1947. Except for the southwest corner of the lake, no wetlands are apparent along the southern shoreline. No significant changes to the wetland communities are noted until the 1966 image where it appears that a significant area has been dredged within the wetland on the north shoreline. In addition, smaller channels have been dredged along the western end on the north shoreline and along the south shoreline in the southwest portion of the lake. By 1984, three additional channels have been dredged through the wetland along the north shoreline. Aside from docks extending through the wetland, no significant change occurred to the wetland between the 1984 and 2019 images. Furthermore, the only impacts that are apparent to the wetlands along Lake Owasso since 1940 are due to dredging activities, which are direct impacts. No indication of indirect impact to the wetlands are apparent based on the aerial images and topographic maps.

2) **Other surface waters**- Describe any anticipated physical effects or alterations to surface water features (lakes, streams, ponds, intermittent channels, county/judicial ditches) such as draining, filling, permanent inundation, dredging, diking, stream diversion, impoundment, aquatic plant removal and riparian alteration. Discuss direct and indirect environmental effects from physical modification of water features. Identify measures to avoid, minimize, or mitigate environmental effects to surface water features, including in-water Best Management Practices that are proposed to avoid or minimize turbidity/sedimentation while physically altering the water features. Discuss how the project will change the number or type of watercraft on any water body, including current and projected watercraft usage.

All waters within the project area have been discussed above.

12. Contamination/Hazardous Materials/Wastes

a. **Pre-project site conditions** - Describe existing contamination or potential environmental hazards on or in close proximity to the project site such as soil or ground water contamination, abandoned dumps, closed landfills, existing or abandoned storage tanks, and hazardous liquid or gas pipelines. Discuss any potential environmental effects from pre-project site conditions that would be caused or exacerbated by project construction and operation. Identify measures to avoid, minimize or mitigate adverse effects from existing contamination or potential environmental hazards. Include development of a Contingency Plan or Response Action Plan.

A Phase I Environmental Site Assessment for the project area was completed in January 2021 (**see Appendix D**). No instances of existing contamination or potential environmental hazards were identified for the project area. Past land uses include agricultural activities. Past land use activities may have included the application of pesticides and herbicides; however, no soil or groundwater contamination is anticipated.

b. **Project related generation/storage of solid wastes** - Describe solid wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from solid waste handling, storage and disposal. Identify measures to avoid, minimize or mitigate adverse effects from the generation/storage of solid waste including source reduction and recycling.

Construction of the proposed project will result in the generation of solid waste and construction waste

material. All waste and unused building materials will be properly disposed of off-site.

During project operation, municipal solid waste will be hauled away by a local, licensed garbage hauler and new residents will be encouraged to recycle.

c. Project related use/storage of hazardous materials - Describe chemicals/hazardous materials used/stored during construction and/or operation of the project including method of storage. Indicate the number, location and size of any above or below ground tanks to store petroleum or other materials. Discuss potential environmental effects from accidental spill or release of hazardous materials. Identify measures to avoid, minimize or mitigate adverse effects from the use/storage of chemicals/hazardous materials including source reduction and recycling. Include development of a spill prevention plan.

During construction and operation of the project, vehicles containing gasoline will be present on site. Minimal amounts of gasoline may be stored on site in approved containers with secondary leak protection. Toxic or hazardous materials present after construction will be consistent with residential uses and may include pesticides and herbicides. The potential for contamination is considered to be low. No above or below ground tanks are proposed to be stored onsite following construction.

d. Project related generation/storage of hazardous wastes - Describe hazardous wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from hazardous waste handling, storage, and disposal. Identify measures to avoid, minimize or mitigate adverse effects from the generation/storage of hazardous waste including source reduction and recycling.

Construction of the project will not involve the generation of significant amounts of hazardous waste. Hazardous waste generated will be properly disposed. The proposed project site may generate or require the storage of hazardous waste materials onsite that would be typical of residential uses.

13. Fish, wildlife, plant communities, and sensitive ecological resources (rare features)

a. Describe fish and wildlife resources as well as habitats and vegetation on or in near the site.

The project site consists of a variety of habitat and vegetation including wetlands and forested areas. The surrounding properties consist of single-family residential houses with manicured lawns and trees. No regionally significant ecological areas or Minnesota County Biological Survey Sites of Biodiversity Significance are identified on the project area or the adjacent properties. Canada Geese (*Branta canadensis*), Painted Turtles (*Chyrsemys picta*), and Common Loons (*Gavia immer*) are known to inhabit Lake Owasso and the wetlands surrounding the project area.

b. Describe rare features such as state-listed (endangered, threatened or special concern) species, native plant communities, Minnesota County Biological Survey Sites of Biodiversity Significance, and other sensitive ecological resources on or within close proximity to the site. Provide the license agreement number (LA-____) and/or correspondence number (**ERDB #20220021**) from which the data were obtained and attach the Natural Heritage letter from the DNR. Indicate if any additional habitat or species survey work has been conducted within the site and describe the results.

The Minnesota Department of Natural Resources reviewed the Natural Heritage Information System (NHIS) to determine if any rare natural features could be impacted by the proposed project. Correspondence dated August 24, 2021 (Correspondence # ERDB 20220021) (**see Appendix B**) indicates

the following rare features may be adversely affected by the proposed project:

- The Blanding's turtle (*Emydoidea blandingii*), which is a state threatened species. Blanding's turtles use wetlands as well as upland areas throughout their life cycle;
- The least darter (*Etheostoma microperca*) is listed as a state species of special concern. The least darter has been documented in Lake Wabasso, which is connected to Lake Owasso, and may be present in the vicinity of the project; and
- Rusty Patched Bumble Bee (*Bombus affinis*), which is a federally listed endangered species. The Rusty Patched Bumble Bee typically occurs in grasslands and urban gardens with diverse flowering plants from April through October.

c. Discuss how the identified fish, wildlife, plant communities, rare features and ecosystems may be affected by the project. Include a discussion on introduction and spread of invasive species from the project construction and operation. Separately discuss effects to known threatened and endangered species.

The Rusty Patched Bumble Bee's primary habitat consists of prairies, woodlands, and marshes with diverse floral communities. Some important floral resources for the Rusty Patched Bumble Bee include: Shooting Stars (*Dodecatheon sp.*), Blazing Stars (*Liatris sp.*), Coneflowers (*Echinacea sp*.), and Gentians (*Gentiana sp*.). The subject properties are dominated by Boxelder (*Acer negundo*), Silver Maple (*Acer saccharinum*), and Green Ash (*Fraxinus pennsylvanica*) with a dense understory of Common Buckthorn (*Rhamnus cathartica*) and no herbaceous floral layer. Due to the lack of floral habitat, it is unlikely that Rusty Patched Bumble Bee exists within the project area and will be affected by the proposed project.

The Blanding's turtle uses upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses for nesting, basking, periods of dormancy and travel between wetlands. The minimization measures outlined in the correspondence letter from MNDNR and summarized below will be implemented throughout construction to avoid impacts to the Blanding's turtle.

The least darter is sensitive to environmental degradation, especially turbidity and siltation within the waterbodies that it inhabits. In order to avoid impacts to this species, proper erosion and sediment control practices will be implemented and maintained during construction of this project and will be incorporated into a stormwater management plan.

In addition to the information provided by the MNDNR, the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) tool was used to identify other potential sensitive resources near the project. The IPaC identifies the Northern Long-eared Bat (*Myotis septentrionalis*) (NLEB) as potentially being within the vicinity of the project area. The list of townships containing documented NLEB maternity roost trees and/or hibernacula entrances in Minnesota, which was updated by the MNDNR and USFWS in June 2020, does not identify any hibernacula or roost trees near the project area. Since no maternity roost trees or hibernacula are identified near the project area it is unlikely that the project will negatively affect the NLEB.

The IPaC identifies nine migratory birds that utilize habitat within the vicinity of the project area. These include: the American Bittern (*Botaurus lentiginosus*), Bald Eagle (*Haliaeetus leucocephalus*), Golden-winged Warbler (*Vermivora chrysoptera*), Least Bittern (*Ixobrychus exilis*), Red-headed Woodpecker (*Melanerpes erthrocephalus*), Rusty Blackbird (*Euphagus carolinus*), Semipalmated Sandpiper (*Calidris pusilla*), Willow Flycatcher (*Empidonax traillii*), and Wood Thrush (*Hylocichla mustelina*). Of these nine, the Rusty Blackbird, Semipalmated Sandpiper, and the Golden-winged Warbler only use the area during

migration. Due to their limited use of the area, it is unlikely that these species will be negatively affected by the project. The remaining species prefer unaltered habitats with limited disturbance and the project area is likely sub-prime habitat for them due to its urban nature. Due to the urban nature of the site, it is unlikely that the proposed project will negatively affect the remaining bird species.

In addition to the rare species mentioned above, Canada Geese (*Branta canadensis*), Painted Turtles (*Chyrsemys picta*), and Common Loons (*Gavia immer*) are known to inhabit Lake Owasso and the surrounding wetlands. Canada Geese and Painted Turtles are well adapted to human environments and are commonly seen throughout the metro area. The proposed project is unlikely to negatively affect their populations.

Common Loons prefer lakes with good water clarity, which makes it easier for them to chase their prey. The water clarity of Lake Owasso is between one to two meters. This is low when compared to surrounding lakes such as White Bear Lake, East Vadnais Lake, and Turtle Lake. Common Loons prefer to nest on islands or along the edge of a shoreline where they can access the nest directly from the water. They prefer to have a water depth of 6 inches or greater to access their nest and prefer deeper water depths over shallow water depths. Cattails, which is the dominant vegetation along the outer edge of the wetland, can grow in water that is 1.5 to 2.5 feet deep. Removal of cattails or nesting islands (if present) is not proposed by the project. Due to the reasons mentioned above it is unlikely that the proposed project will affect the population of the Common Loon, or their habitat and nests.

There is also an opportunity for invasive weed species to be introduced during project construction; however, it is not anticipated that these species would persist following construction. The proposed project would be landscaped with turf grass and landscape trees and shrubs per a city-approved landscaping plan. Consequently, areas of exposed soils where invasive weed species might appear are not anticipated. If areas of invasive species do develop, they would be controlled in accordance with local and state invasive and noxious weed regulations.

d. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to fish, wildlife, plant communities, and sensitive ecological resources.

To minimize impacts to the rare features noted above, the mitigation measures recommended by the MNDNR (see **Appendix B**) will be implemented including:

- Avoidance of wetland impacts during the Blanding's turtle hibernation season, between October 15th and April 15th, unless the area is unsuitable for hibernation.
- The Blanding's turtle flyer must be given to all contractors working in the area.
- Areas where there will be bank and upland construction will be checked for turtles before the use of heavy equipment or any ground disturbance.
- The use of erosion control blanket shall be limited to 'bio-netting' or 'naturalnetting' types, and specifically not products containing plastic mesh netting or other plastic components. Also, hydro-mulch products that contain any materials with synthetic (plastic) fiber additives will not be used in areas that drain to Public Waters.
- Turtles will be monitored for during construction and any sightings will be reported to the DNR Nongame Specialist, Erica Hoaglund at 651-259-5772 or Erica.Hoaglund@state.mn.us.
- If turtles are in imminent danger, they will be moved by hand out of harm's way, otherwise they

are to be left undisturbed.

- And effective erosion and sediment control practices will be implemented and maintained during construction and incorporated into any stormwater management plans.

With implementation of these measures, impacts to rare features are not anticipated.

14. Historic properties

Describe any historic structures, archeological sites, and/or traditional cultural properties on or in close proximity to the site. Include: 1) historic designations, 2) known artifact areas, and 3) architectural features. Attach letter received from the State Historic Preservation Office (SHPO). Discuss any anticipated effects to historic properties during project construction and operation. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to historic properties.

The SHPO was contacted regarding the potential for historic, cultural, or architectural resources on and near the site as part of the EAW process. In correspondence dated June 3, 2021, in their search of the Minnesota Archaeological Inventory and Historic Structures Inventory, SHPO identified no archaeological records in the project area. The result of this database search provided a listing of recorded archaeological sites and historic/architectural properties that are included in the current MN SHPO databases, the general vicinity of these sites has been mapped and can be found on **Figure 13**. The SHPO correspondence is included in **Appendix B**.

15. Visual

Describe any scenic views or vistas on or near the project site. Describe any project related visual effects such as vapor plumes or glare from intense lights. Discuss the potential visual effects from the project. Identify any measures to avoid, minimize, or mitigate visual effects.

Development of the project will change the visual landscape of the site and surrounding area. The site consists of woodland and wetland areas; Lake Owasso is located along the east/southeast of the project area. Full project build out will include houses, docks, driveways, and landscaping. No vapor plumes or intense lighting is proposed. While the project will result in a visual change to the site, design will be consistent with other development in the area. No significant impacts are anticipated.

16. Air

a. Stationary source emissions - Describe the type, sources, quantities and compositions of any emissions from stationary sources such as boilers or exhaust stacks. Include any hazardous air pollutants, criteria pollutants, and any greenhouse gases. Discuss effects to air quality including any sensitive receptors, human health or applicable regulatory criteria. Include a discussion of any methods used assess the project's effect on air quality and the results of that assessment. Identify pollution control equipment and other measures that will be taken to avoid, minimize, or mitigate adverse effects from stationary source emissions.

No stationary source of air emissions is proposed as part of the project. The natural gas heating and cooling systems for the proposed buildings will consist of standard furnace/air conditioning systems. Emissions from the heating and cooling units would be typical of other buildings in the area.

b. Vehicle emissions - Describe the effect of the project's traffic generation on air emissions. Discuss the project's vehicle-related emissions effect on air quality. Identify measures (e.g. traffic operational

improvements, diesel idling minimization plan) that will be taken to minimize or mitigate vehicle-related emissions.

The most critical pollutant associated with vehicular traffic in Minnesota is carbon monoxide (CO). Carbon monoxide (CO) is one of five vehicle emission pollutants for which the US Environmental Protection Agency has standards. CO is a colorless, odorless and tasteless toxic gas produced by the incomplete burning of carbon in fuel. Motor vehicle emissions will be associated with vehicles traveling to and from the development site, and from construction equipment necessary for the proposed construction activities. Following project completion, vehicle-related air emissions in the area—including carbon monoxide levels—will see a relatively small increase due to the increase in traffic to and from the site.

In general, concentrations of carbon monoxide are typically greatest at intersections with poor levels of service because of excessive idling or acceleration of vehicles. Levels of service at area intersections will remain consistent following this project.

Furthermore, the existing concentration of carbon monoxide at the project location is low because Roseville has not been identified as a Carbon Monoxide Level Non-Attainment Location.

c. **Dust and odors** - Describe sources, characteristics, duration, quantities, and intensity of dust and odors generated during project construction and operation. (Fugitive dust may be discussed under item 16a). Discuss the effect of dust and odors in the vicinity of the project including nearby sensitive receptors and quality of life. Identify measures that will be taken to minimize or mitigate the effects of dust and odors.

The project will not generate significant odors during construction or operation. Odors generated during construction will be mitigated by maintenance of the construction equipment to the manufacturers' specifications and by using appropriate fuel additives when necessary. Grading and construction will temporarily generate dust. BMPs and other standard construction methods will be used to reduce construction impacts such as intermittent applications of water to exposed soils as needed to reduce dust during dry weather. Construction dust control is required to be in conformance with city of Roseville's ordinances and the NPDES Construction Stormwater permit. Following construction, no dust is anticipated.

17. Noise

Describe sources, characteristics, duration, quantities, and intensity of noise generated during project construction and operation. Discuss the effect of noise in the vicinity of the project including 1) existing noise levels/sources in the area, 2) nearby sensitive receptors, 3) conformance to state noise standards, and 4) quality of life. Identify measures that will be taken to minimize or mitigate the effects of noise.

Grading and construction will temporarily generate noise. Mufflers will be used on all equipment used during demolition and/or construction activities. Additionally, BMPs and other standard construction methods will be used to reduce construction impacts such as limiting hours of operation to comply with the noise regulations in city ordinance. Construction noise will be limited to daytime hours consistent with the city of Roseville's construction and noise ordinances.

18. Transportation

a. **Describe traffic-related aspects of project construction and operation.** Include: 1) existing and proposed additional parking spaces, 2) estimated total average daily traffic generated, 3) estimated

maximum peak hour traffic generated and time of occurrence, 4) indicate source of trip generation rates used in the estimates, and 5) availability of transit and/or other alternative transportation modes.

Based on the city of Roseville's Traffic Study Policy a traffic study is not required for this development based on the proposed number of units for this development.

An eight (8) foot wide multi-use trail will be constructed along the east side of Victoria Street N adjacent to the development during the initial project construction. The trail will be in the road right-of-way.

Victoria Street North has an estimated 5,800 average daily trip rate according to a 2019 MNDOT study, the most recent data available. The ITE Trip Generation 10th Edition estimates just under ten daily trips per single-family residence, which would equal a total of 77 daily trips for this development. This increase represents an increase of 1.3% in average daily traffic from existing conditions.

The Highway Classification Manuel, 6th Edition estimates a two-lane road without left-turn lanes can handle approximately 1,000 trips per hour, for a total of 24,000 daily trips. An increase of 77 trips from this development represents a 0.32% increase in road usage, well under design capacity. Eight single-family houses will generate approximately six peak AM trips and eight peak PM trips.

No additional on-street parking is proposed with this development, and each house will have an enclosed garage and parking available on a private driveway.

Metro Transit Route 227 runs along Victoria Street North but there are no bus stops adjacent to the proposed development.

b. Discuss the effect on traffic congestion on affected roads and describe any traffic improvements necessary. The analysis must discuss the project's impact on the regional transportation system. If the peak hour traffic generated exceeds 250 vehicles or the total daily trips exceeds 2,500, a traffic impact study must be prepared as part of the EAW. Use the format and procedures described in the Minnesota Department of Transportation's Access Management Manual, Chapter 5 (available at: http://www.dot.state.mn.us/accessmanagement/resources.html) or a similar local guidance.

The Roseville Comprehensive Plan identifies this as for future single-family development. The existing road network can handle the small increase in daily traffic. No traffic improvements are necessary.

c. Identify measures that will be taken to minimize or mitigate project related transportation effects.

The small increase in traffic from this development is well within the design of Victoria Street North. No changes are necessary to mitigate the increased traffic.

19. Cumulative potential effects

a. Describe the geographic scales and timeframes of the project related environmental effects that could combine with other environmental effects resulting in cumulative potential effects.

Any impacts to the environment will meet Federal, State, and Local regulation and will be mitigated as required; therefore, it is not anticipated that impacts from the development create any cumulative potential effect not already examine herein.

b. Describe any reasonably foreseeable future projects (for which a basis of expectation has been laid) that may interact with environmental effects of the proposed project within the geographic scales and timeframes identified above.

No known development or redevelopment is planned adjacent to the proposed project site at this time.

c. Discuss the nature of the cumulative potential effects and summarize any other available information relevant to determining whether there is potential for significant environmental effects due to these cumulative effects.

No known development or redevelopment is planned adjacent to the proposed project site at this time. Development of the project is not anticipated to cause any future projects. Continued development of the area is always a possibility, but any such changes in land use on an adjacent site would be reviewed as required by the city, and if necessary, a separate environmental review may need to be completed as a part of such a redevelopment. At that point, the drivers of such a project would need to coordinate efforts and reviews with the Victoria Shores site to identify cumulative impacts that cannot be identified at the present day.

20. Other potential environmental effects

If the project may cause any additional environmental effects not addressed by items 1 to 19, describe the effects here, discuss the how the environment will be affected, and identify measures that will be taken to minimize and mitigate these effects.

No additional environmental effects have been identified.

RGU Certification

I hereby certify that:

- The information contained in this document is accurate and complete to the best of my knowledge.
- The EAW describes the complete project; there are no other projects, stages or components other than those described in this document, which are related to the project as connected actions or phased actions, as defined at Minnesota Rules, parts 4410.0200, subparts 9c and 60, respectively.
- Copies of this EAW are being sent to the entire EQB distribution list.

Signature: Janice Gundlach Date: 09/27/2021

Name and Title: Janice Gundlach – Community Development Director

APPENDIX A
FIGURES

Appendix "A" contains the following Figures

Figure #	Figure Title
1.	Regional Location
2.	Project Area
3.	Concept Site Plan
4.	USGS Map
5.	Existing Cover Types
6.	Proposed Cover Types
7.	Soils
8.	Zoning Map
9.	2040 Future Land Use Map Delineated
10.	Wetlands
11.	National Wetland Inventory
12.	100 Year Floodplain Map
13.	Archaeological/Historic Site Locations

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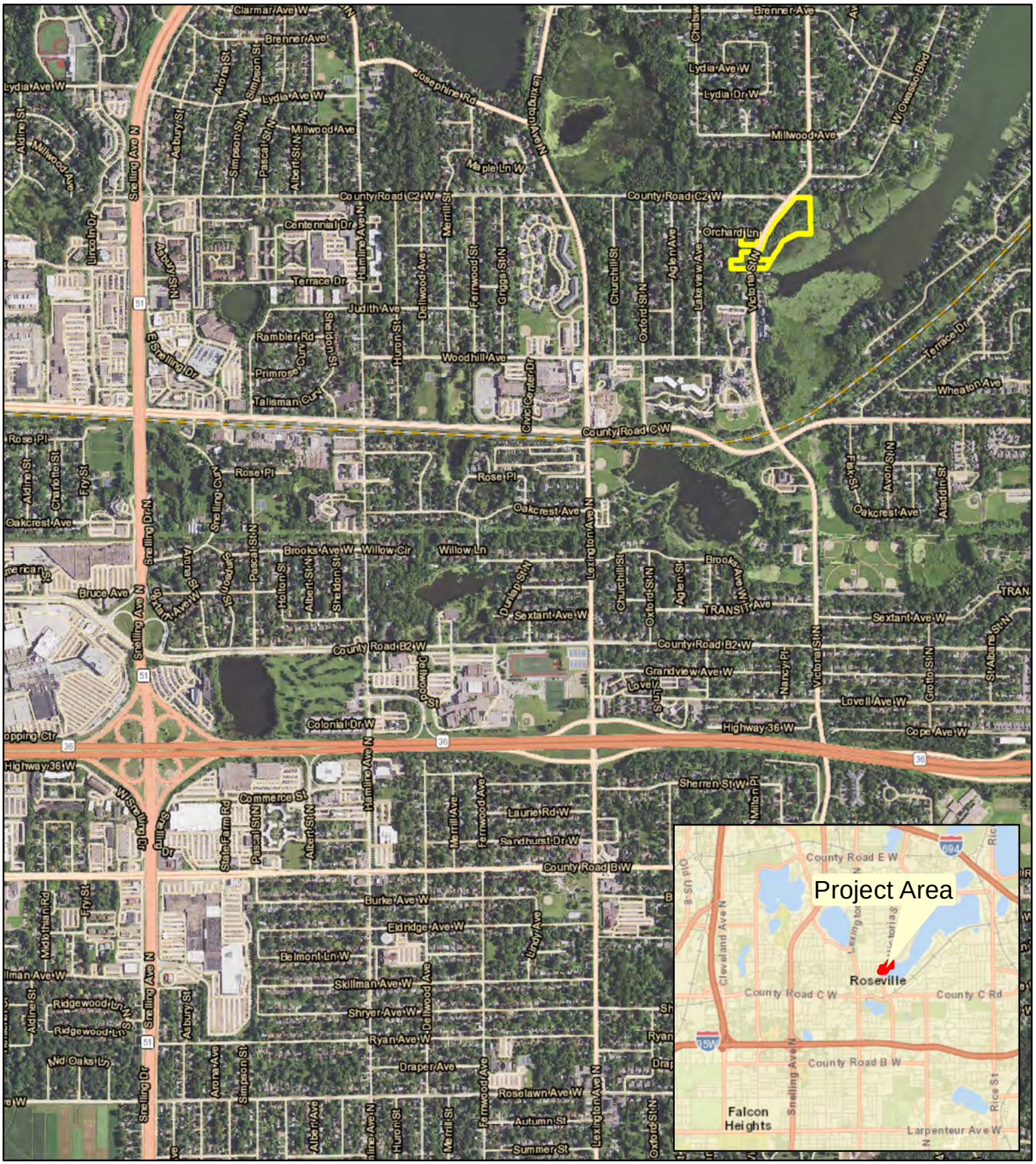

Regional Location Map

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

N

0 750 1,500

Feet

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Project Area

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

Parcel ID	Tax Parcel #
A	022923310001
B	022923310048
C	022923310058

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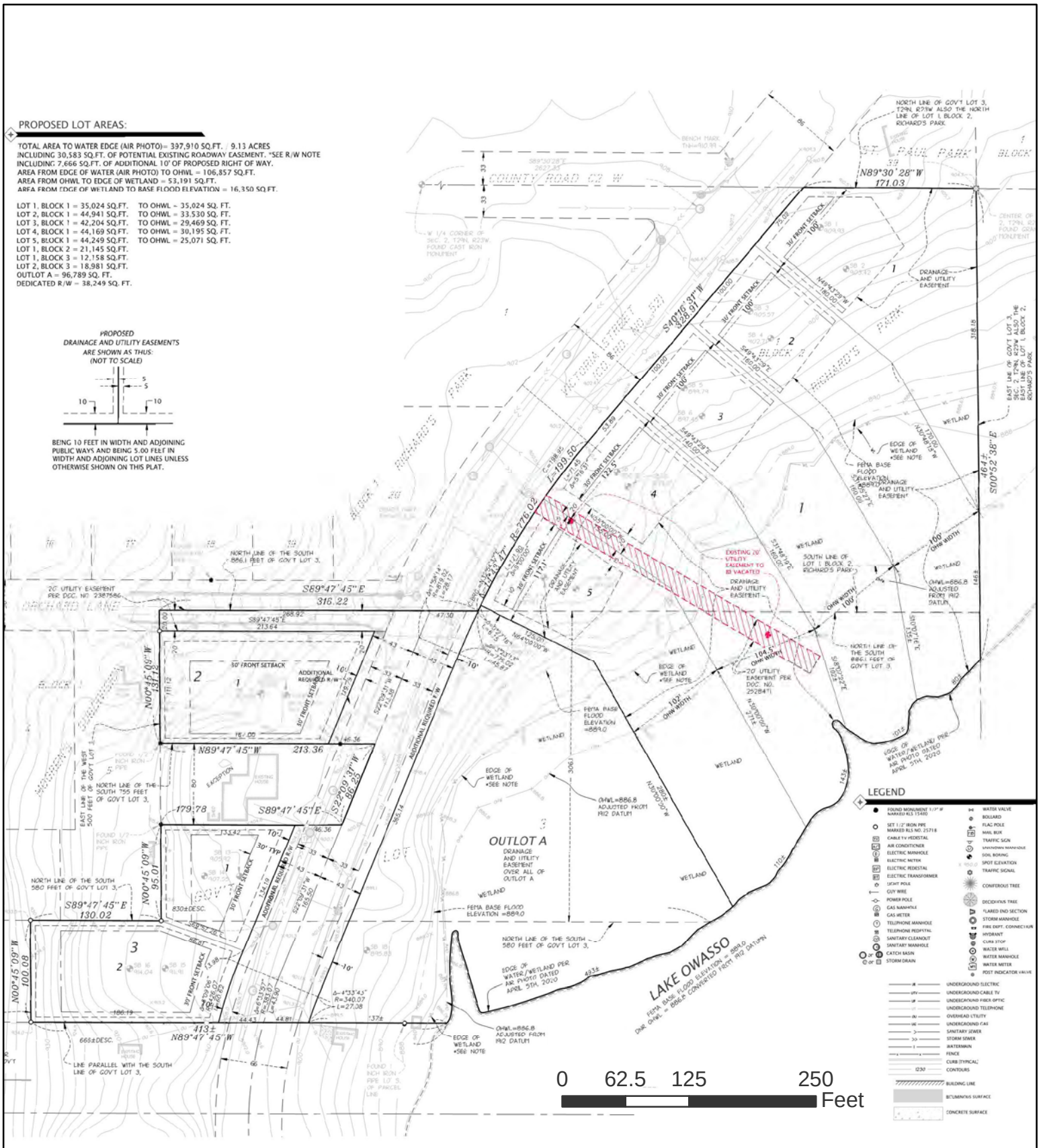

Concept Site Plan

Victoria Shores Residential Development

Roseville, MN

N

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USGS Map

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

0 250 500 Feet

N

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Existing Cover Types

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

Cover Type

Lakes

Wetlands

Woodlands

N

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Proposed Cover Types

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

Cover Type

Developed

Lake

Wetland

Woodlands

N

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Sources: MetroGIS, NRCS, LMIC

Soils

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

Soil Symbol

- 1055
- 132B
- 860C
- W

N

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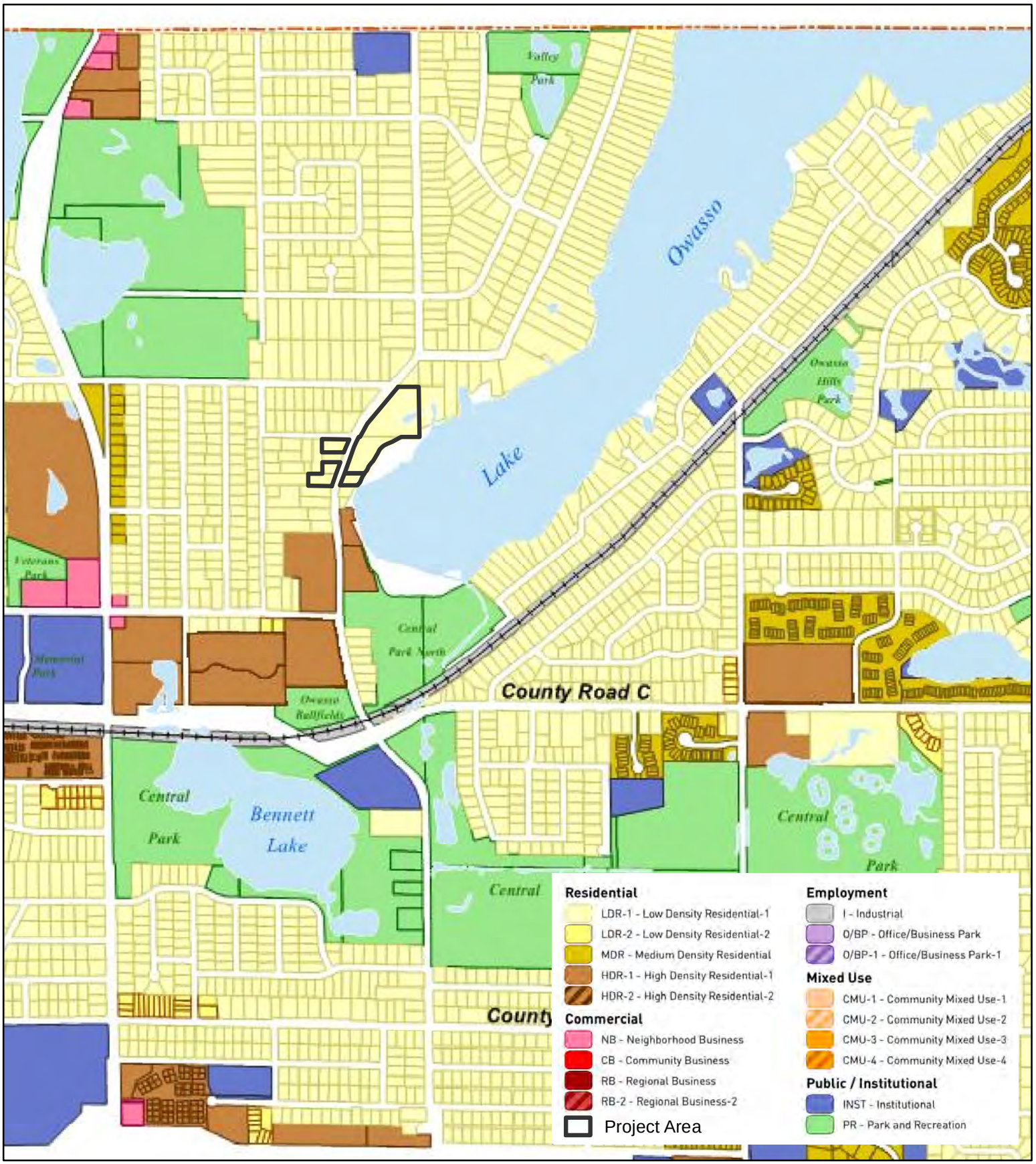

Zoning Map

Victoria Shores Residential Development

Roseville, MN

N

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2040 Future Land Use Map

Victoria Shores Residential Development

Roseville, MN

N

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Delineated Wetlands

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

Wetland Boundary

N

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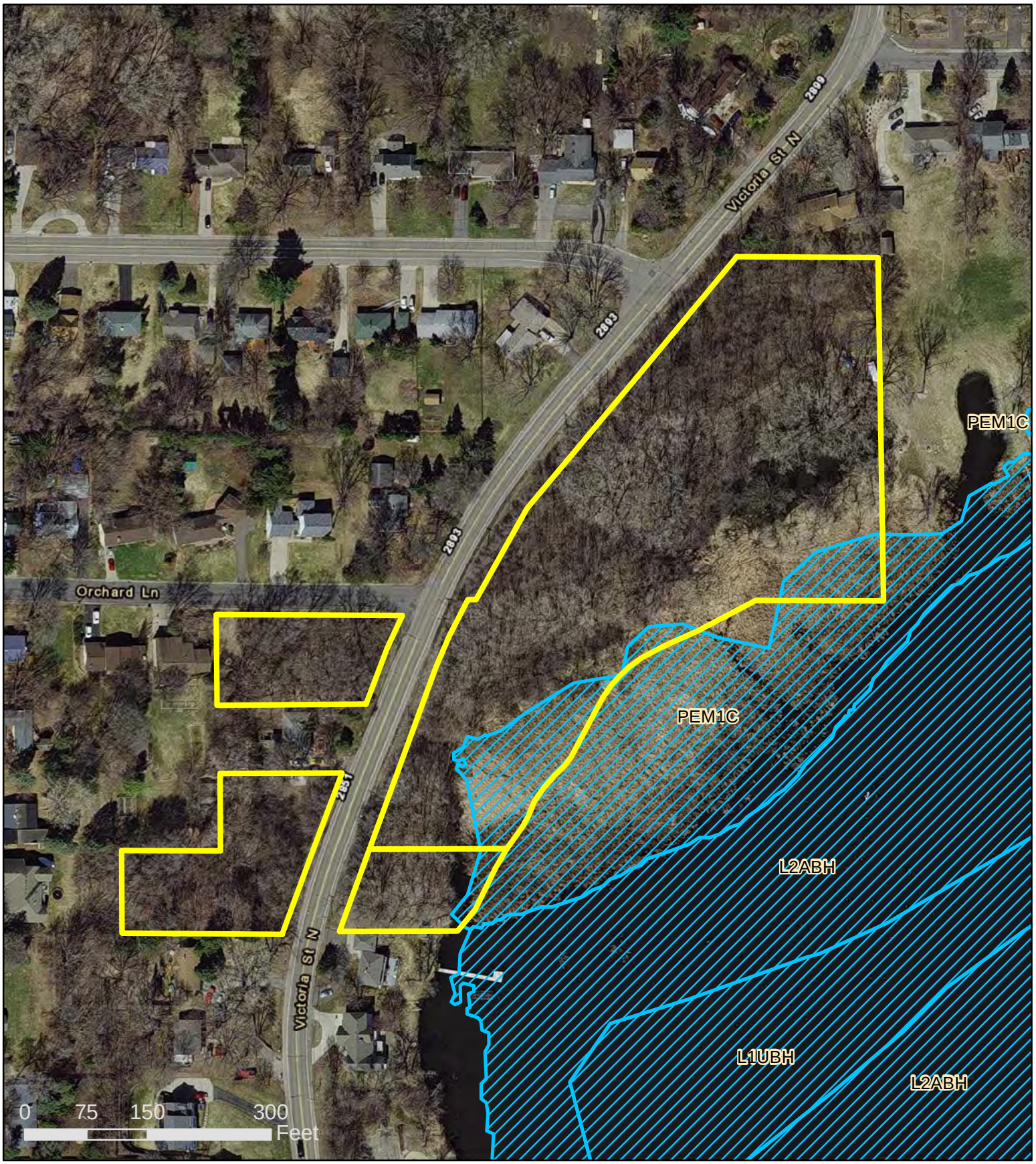

National Wetland Inventory

Victoria Shores Residential Development

Roseville, MN

Legend

Project Boundary

NWI mapped wetland

N

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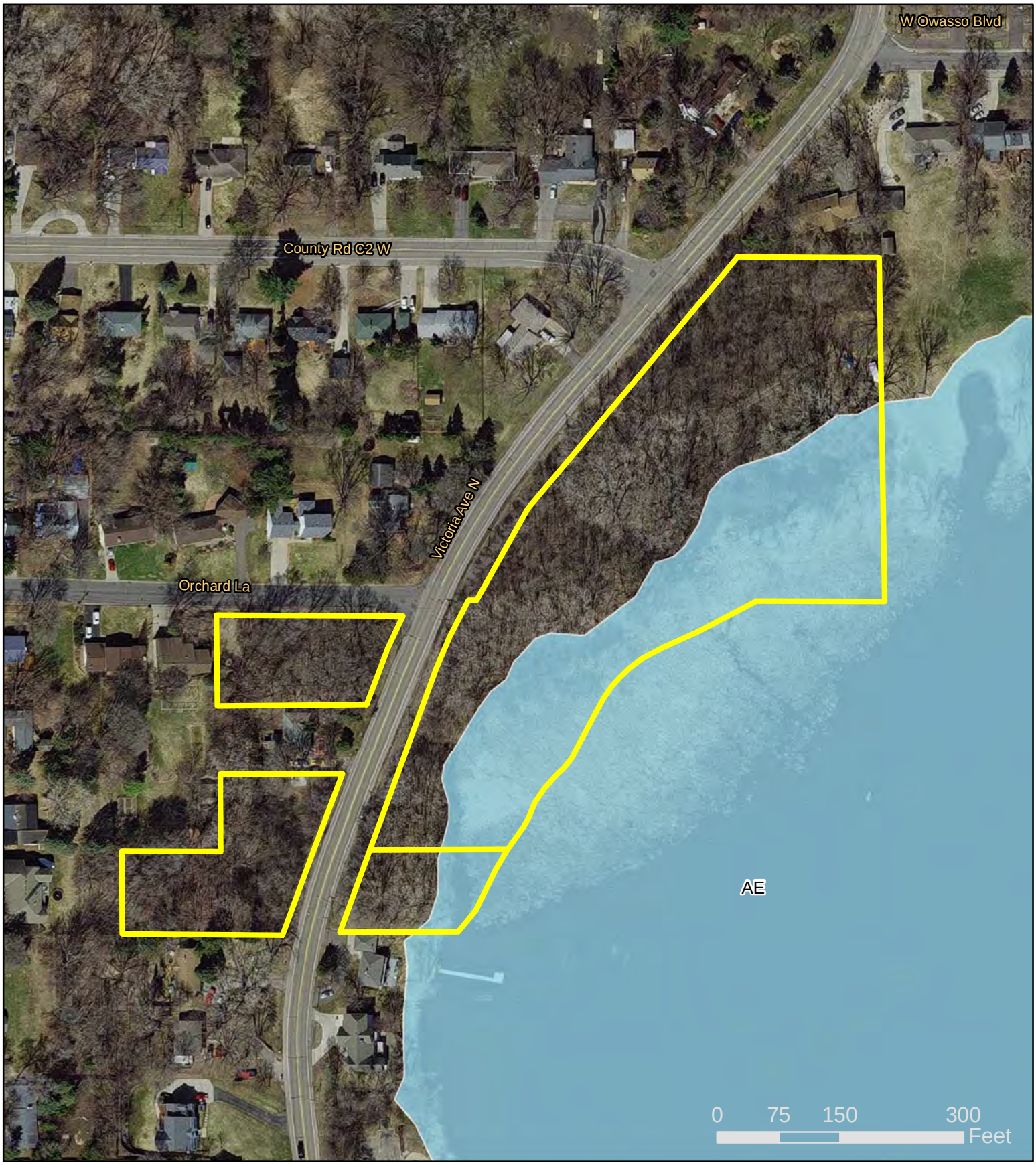

100 Year Floodplain Map

Victoria Shores Residential Development

Roseville, MN

Legend

- Project Boundary
- **100 Year Floodplain**
- **Flood Zone**
  - A
  - AE
  - AH
  - AO

N

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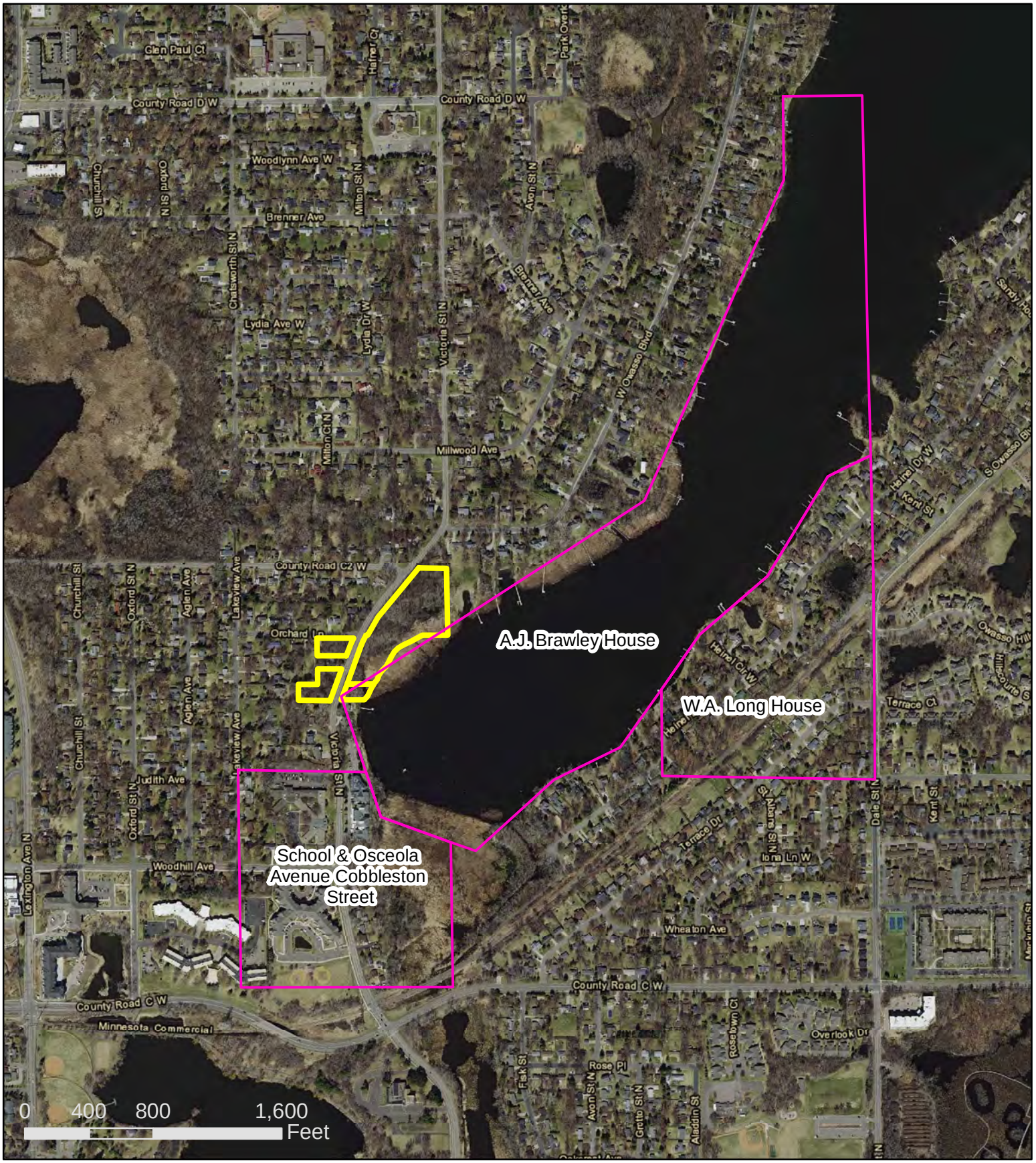

Historic Site Locations

Victoria Shores Residential Development

Roseville, MN

Legend

- Historical Site Area
- Project Boundary

N

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APPENDIX B
AGENCY SCOPING CORRESPONDENCE: SHPO & DNR/NHIS

Appendix “B” contains Agency Scoping Correspondence with SHPO & DNR/NHIS.

Sambatek

DEPARTMENT OF NATURAL RESOURCES

Minnesota Department of Natural Resources
Division of Ecological & Water Resources
500 Lafayette Road, Box 25
St. Paul, MN 55155-4025

August 24, 2021
Correspondence # ERDB 20220021

Jessica Abernathy-Callahan
Sambatek, Inc.
12800 Whitewater Drive, Suite 300
Minnetonka, MN 55343

RE: Natural Heritage Review of the proposed Victoria Shores Residential Development,
T29N R23W Section 2; Ramsey County

Dear Jessica Abernathy-Callahan,

As requested, the Minnesota Natural Heritage Information System has been queried to determine if any rare species or other significant natural features are known to occur within an approximate one-mile radius of the proposed project. Based on this query, rare features have been documented within the search area (for details, please visit the Rare Species Guide Website for more information on the biology, habitat use, and conservation measures of these rare species). Please note that the following rare features may be adversely affected by the proposed project:

State-listed Species

- Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels.

  This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and

associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, **the following avoidance measures are required**:

- Avoid wetland impacts during hibernation season, between October 15th and April 15th, unless the area is unsuitable for hibernation:
- The Blanding's turtle flyer must be given to all contractors working in the area.
- Areas where there will be bank and upland construction should be checked for turtles before the use of heavy equipment or any ground disturbance.
- The use of erosion control blanket shall be limited to 'bio-netting' or 'naturalnetting' types, and specifically not products containing plastic mesh netting or other plastic components.
    - Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in its matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and not allow any materials with synthetic (plastic) fiber additives in areas that drain to Public Waters.
- Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund at 651-259-5772 or Erica.Hoaglund@state.mn.us.
- If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise they are to be left undisturbed.

If the above avoidance measures are not possible, please contact me as further action may be needed.

For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. **Please refer to both lists of recommendations for your project.** For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.

- The least darter (*Etheostoma microperca*), a state-listed fish species of special concern, has been documented in Lake Wabasso, which is connected to Lake Owasso, and may be present in the vicinity of the project. This species is intolerant of environmental degradation, especially turbidity and siltation. As such, it is important that effective erosion and sediment control practices be implemented and maintained during construction and be incorporated into any stormwater management plan.

Federally Protected Species

- The rusty patched bumble bee (*Bombus affinis*), a federally-listed endangered species, was documented in the vicinity of the proposed project. The rusty patched bumble bee typically

occurs in grasslands and urban gardens with flowering plants from April through October. This species nests underground in abandoned rodent cavities or in clumps of grasses. Please reference the guidance at the USFWS rusty patched bumble bee website.

- To ensure compliance with federal law, conduct a federal regulatory review using the U.S. Fish and Wildlife Service's (USFWS) online Information for Planning and Consultation (IPaC) tool.

Environmental Review and Permitting

- The Environmental Assessment Worksheet should address whether the proposed project has the potential to adversely affect the above rare features and, if so, it should identify specific measures that will be taken to avoid or minimize disturbance. Sufficient information should be provided so the DNR can determine whether a takings permit will be needed for any of the above protected species.

- Please include a copy of this letter in any state or local license or permit application. Please note that measures to avoid or minimize disturbance to the above rare features may be included as restrictions or conditions in any required permits or licenses.

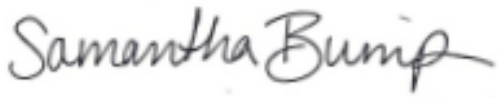
The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Division of Ecological and Water Resources, Department of Natural Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area. If additional information becomes available regarding rare features in the vicinity of the project, further review may be necessary.

For environmental review purposes, the results of this Natural Heritage Review are valid for one year; the results are only valid for the project location (noted above) and the project description provided on the NHIS Data Request Form. Please contact me if project details change or construction has not occurred within one year as additional review may be required.

The Natural Heritage Review does not constitute review or approval by the Department of Natural Resources as a whole. Instead, it identifies issues regarding known occurrences of rare features and potential effects to these rare features. For information on the environmental review process or other natural resource concerns, you may contact your DNR Regional Environmental Assessment Ecologist.

Thank you for consulting us on this matter, and for your interest in preserving Minnesota's rare natural resources. An invoice will be mailed to you under separate cover.

Sincerely,



Samantha Bump
Natural Heritage Review Specialist
Samantha.Bump@state.mn.us

Links: Rare Species Guide
http://www.dnr.state.mn.us/rsg/index.html
DNR Regional Environmental Assessment Ecologist Contact Info
http://www.dnr.state.mn.us/eco/ereview/erp_regioncontacts.html
USFWS IPaC Tool
https://ecos.fws.gov/ipac/
Blanding's Turtle Fact Sheet
http://files.dnr.state.mn.us/natural_resources/animals/reptiles_amphibians/turtles/blandings_turtle/factsheet.pdf
Blanding's Turtle Flyer
http://files.dnr.state.mn.us/natural_resources/animals/reptiles_amphibians/turtles/blandings_turtle/flyer.pdf
Wildlife Friendly Erosion Control
http://files.dnr.state.mn.us/eco/nongame/wildlife-friendly-erosion-control.pdf

Cc: Melissa Collins, Leslie Parris, and Erica Hoglund

From: MN_MNIT_Data Request SHPO
To: Farveh Makhssous
Subject: RE: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville
Date: Thursday, June 3, 2021 12:51:28 PM
Attachments: image001.png
image016.png
image017.png
image018.png
image019.png
image020.png
image021.png
image022.png
image023.png
image024.png
image025.png
image002.png
image003.png
image004.png
image005.png
History.xls

Hello Farveh,

Please see attached. Our database has no archaeologic records for the given project area.

Jim

SHPO Data Requests
Minnesota State Historic Preservation Office
50 Sherburne Avenue, Suite 203
Saint Paul, MN 55155
(651) 201-3299
datarequestshpo@state.mn.us

Notice: This email message simply reports the results of the cultural resources database search you requested. The database search is only for previously known archaeological sites and historic properties. **IN NO CASE DOES THIS DATABASE SEARCH OR EMAIL MESSAGE CONSTITUTE A PROJECT REVIEW UNDER STATE OR FEDERAL PRESERVATION LAWS –** please see our website at https://mn.gov/admin/shpo/protection/ for further information regarding our Environmental Review Process.
Because the majority of archaeological sites in the state and many historic/architectural properties have not been recorded, important sites or properties may exist within the search area and may be affected by development projects within that area. Additional research, including field surveys, may be necessary to adequately assess the area's potential to contain historic properties or archaeological sites.
Properties that are listed in the National Register of Historic Places (NRHP) or have been determined eligible for listing in the NRHP are indicated on the reports you have received, if any. The following codes may be on those reports:
NR – National Register listed. The properties may be individually listed or may be within the boundaries of a National Register District.
CEF – Considered Eligible Findings are made when a federal agency has recommended that a property is eligible for listing in the National Register and MN SHPO has accepted the recommendation for the purposes of the Environmental Review Process. These properties need to be further assessed before they are officially listed in the National Register.

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Properties without NR, CEF, SEF, DOE, or CNEF designations in the reports may not have been evaluated and therefore no assumption to their eligibility can be made. Integrity and contexts change over time, therefore any eligibility determination made ten (10) or more years from the date of the current survey are considered out of date and the property will need to be reassessed.
If you require a comprehensive assessment of a project's potential to impact archaeological sites or historic/architectural properties, you may need to hire a qualified archaeologist and/or historian. If you need assistance with a project review, please contact Kelly Gragg-Johnson, Environmental Review Specialist @ 651-201-3285 or by email at kelly.graggjohnson@state.mn.us.
The Minnesota SHPO Archaeology and Historic/Architectural Survey Manuals can be found at https://mn.gov/admin/shpo/identification-evaluation/.

Given the Governor's implementation of Stay Safe MN, SHPO staff will continue to work remotely and be available via phone and email, and the SHPO office will be closed to visitors and unable to accommodate in-person research and deliveries. Mail is being delivered to the office via USPS, FedEx and UPS, however, staff have limited weekly access to sort and process mail. Our office will continue to take file search requests via DataRequestSHPO@state.mn.us. Check SHPO's webpage for the latest updates and we thank you for your continued patience.

From: Farveh Makhssous <FMakhssous@sambatek.com>
Sent: Wednesday, June 2, 2021 8:51 AM
To: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Subject: RE: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville

That sounds good, thanks.

Farveh Makhssous
Senior Planner
Direct 763.398.0856
Email FMakhssous@sambatek.com

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From: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Sent: Tuesday, June 1, 2021 5:58 PM
To: Farveh Makhssous <FMakhssous@sambatek.com>
Subject: RE: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville

Hello Farveh,

Probably later this week.

Jim

SHPO Data Requests
Minnesota State Historic Preservation Office
50 Sherburne Avenue, Suite 203
Saint Paul, MN 55155
(651) 201-3299
datarequestshpo@state.mn.us

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From: Farveh Makhssous <FMakhssous@sambatek.com>
Sent: Tuesday, June 1, 2021 3:33 PM
To: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Subject: RE: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville

Jim—when do you think we can expect this report back? Thanks!!

Farveh Makhssous
Senior Planner
Direct 763.398.0856
Email FMakhssous@sambatek.com

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From: Farveh Makhssous
Sent: Tuesday, June 1, 2021 1:28 PM
To: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Subject: RE: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville

Hi Jim,

Thanks so much for the quick response. The project is in: Section 2, T29N, R23W.

Please let me know if you need anything else. Thanks!

From: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Sent: Tuesday, June 1, 2021 12:46 PM
To: Farveh Makhssous <FMakhssous@sambatek.com>
Subject: RE: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville

Hello Farveh,

Please send the township, range and section numbers of the given parcels. I will then be able to run the requested data reports for you. Thanx!

Jim

SHPO Data Requests
Minnesota State Historic Preservation Office
50 Sherburne Avenue, Suite 203
Saint Paul, MN 55155
(651) 201-3299
datarequestshpo@state.mn.us

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From: Farveh Makhssous <FMakhssous@sambatek.com>
Sent: Tuesday, June 1, 2021 12:26 PM
To: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Subject: Cultural Recourse Consultation - Victoria Shores Residential Development in Roseville
Importance: High

This message may be from an external email source.
Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

Hello,
I am preparing for a potential EAW in the City of Roseville, MN in Hennepin County and am requesting a cultural resources review for the site to inform the impact analysis. This project is an 8-lot residential development. Parcels are: 022923310058, 022923310048, 022923310001
Thank you!

Farveh Makhssous
Senior Planner
Direct 763.398.0856
Email FMakhssous@sambatek.com

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COUNTY	CITYTWP	PROPNAME	ADDRESS	TOWN	RANGE	SEC	QUARTER	USGS	REPORTNUM	NRH	CE DOE	INVENTNUM
Ramsey												
	Roseville											
		school	2760 Victoria St. N	29	23	2	SESW	New Brighton	RA-81-2H			RA-RVC-0023
	St. Paul											
		Osceola Avenue Cobbleston Street	Osceola Avenue between Chatsworth St. and Milton St.	29	23	2	SW-SE-SW	Saint Paul West				RA-SPC-5650
		W.A. Long House	661 Goodrich Ave.	29	23	2	SE-NE-SE	St. Paul West		Y		RA-SPC-7404
		A.J. Brawley House	829 Goodrich Ave.	29	23	2	SW-NW-SE	St. Paul West		Y		RA-SPC-7458

APPENDIX C
WETLAND DELINEATION REPORT

Appendix “C” contains Wetland Delineation Report.

BOARD OF WATER AND SOIL RESOURCES

Minnesota Wetland Conservation Act
Notice of Decision

Local Government Unit: Ramsey-Washington Metro Watershed District (RWMWD) **County:** Ramsey
Applicant Name: Melvin Brown Moore (Builders Lot Group, LLC) **Applicant Representative:** Todd Ullom (Sambatek)
Project Name: Victoria Shores **LGU Project No. (if any):** 21-03 WCA
Date Complete Application Received by LGU: 3/15/2021
Date of LGU Decision: 4/28/2021
Date this Notice was Sent: 5/4/2021

WCA Decision Type - check all that apply

☒**Wetland Boundary/Type**	☐**Sequencing**	☐**Replacement Plan**	☐**Bank Plan (not credit purchase)**
☐**No-Loss (8420.0415)**		☐**Exemption (8420.0420)**	
Part: ☐ **A** ☐ **B** ☐ **C** ☐ **D** ☐ **E** ☐ **F** ☐ **G** ☐ **H**		**Subpart:** ☐ **2** ☐ **3** ☐ **4** ☐ **5** ☐ **6** ☐ **7** ☐ **8** ☐ **9**	

Replacement Plan Impacts (replacement plan decisions only)

Total WCA Wetland Impact Area:
Wetland Replacement Type: ☐ Project Specific Credits: ☐ Bank Credits:
Bank Account Number(s):

Technical Evaluation Panel Findings and Recommendations (attach if any)

☒ Approve ☐ Approve w/Conditions ☐ Deny ☐ No TEP Recommendation

LGU Decision

☐ Approved with Conditions (specify below)[1] List Conditions:	☒ Approved[1]	☐ Denied

Decision-Maker for this Application: ☒ Staff ☐ Governing Board/Council ☐ Other:

Decision is valid for: ☒ 5 years (default) ☐ Other (specify):

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

LGU Findings – Attach document(s) and/or insert narrative providing the basis for the LGU decision[1].

☐ Attachment(s) (specify):

☒ Summary: **Ben Meyer (BWSR) and Nicole Soderholm (RWMWD-LGU) completed a field review of the delineation with JD Donath (Sambatek) on 4/20/21. No changes were requested to the delineation, however TEP requested a revised delineation figure with topo and OHW overlayed. This revised figure was received 4/22/21, see attached.**

[1] *Findings must consider any TEP recommendations.*

Attached Project Documents

☐ Site Location Map ☒ Project Plan(s)/Descriptions/Reports (specify): **Revised delineation figure**

Appeals of LGU Decisions

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

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

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

☐ Yes[1] ☒ No

[1]*If yes, all appeals must first be considered via the local appeals process.*

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

Notice Distribution (include name)

Required on all notices:

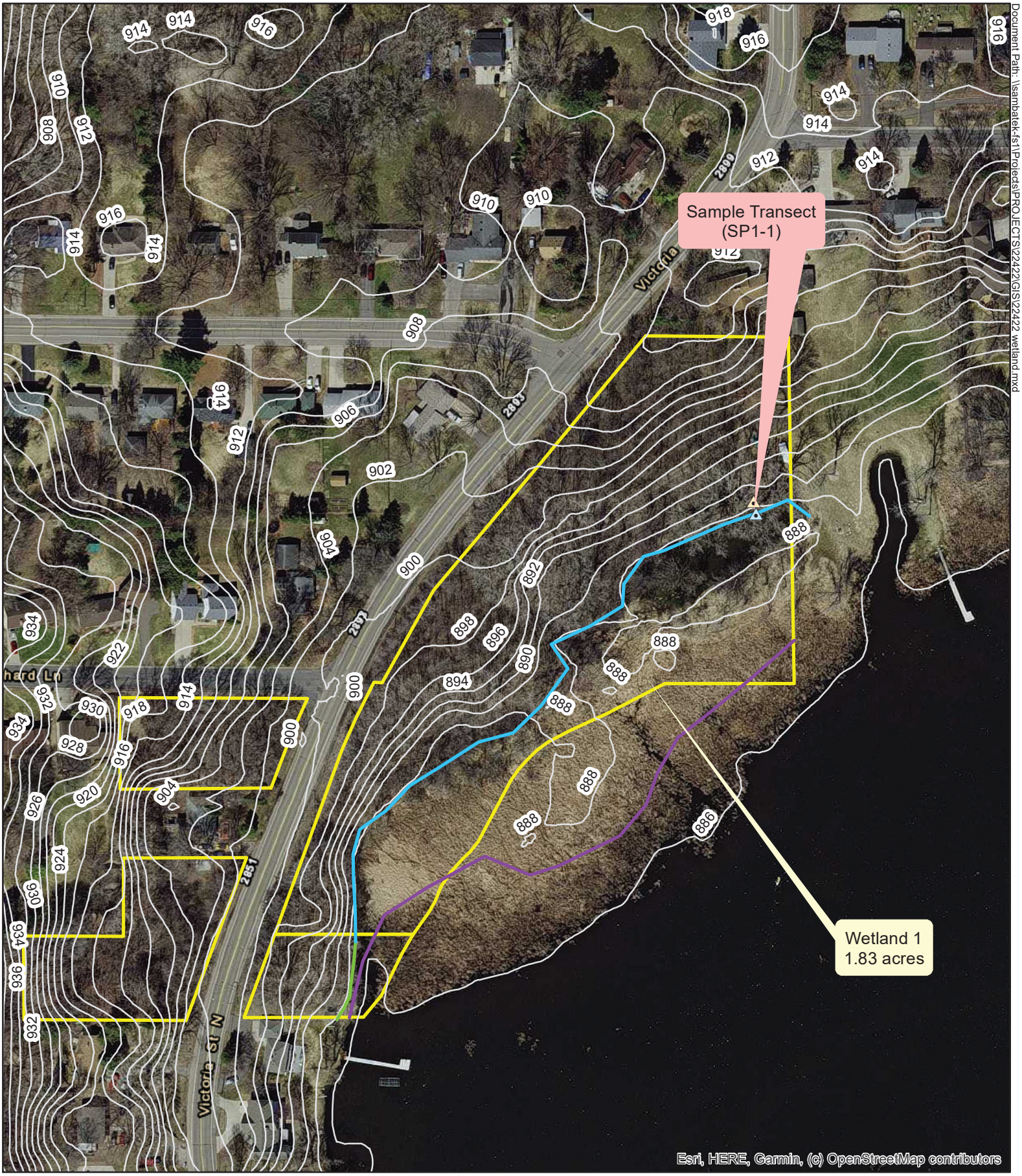
☒ SWCD TEP Member: **Mike Schumann (Ramsey County)**	☒ BWSR TEP Member: **Ben Meyer**
☐ LGU TEP Member (if different than LGU contact):	
☒ DNR Representative: **Leslie Parris, Dan Scollan**	
☐ Watershed District or Watershed Mgmt. Org.:	
☒ Applicant (notice only):	☒ Agent/Consultant (notice only): **Jessica Abernathy-Callahan (Sambatek)**

Optional or As Applicable:

☒ Corps of Engineers:	
☐ BWSR Wetland Mitigation Coordinator (required for bank plan applications only):	
☐ Members of the Public (notice only):	☐ Other:

Signature:	**Date:**
Nicole Soderholm	5/4/2021

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



Document Path: \\sambatek-fs1\Projects\PROJECTS\22422\GIS\22422 wetland.mxd

Wetland Delineation Map

Victoria Shores

Roseville, Minnesota

Legend

- Upland Sample Transect
- Wet Sample Transect
- Approximate OHW of Lake Owasso
- Level 2 Wetland Boundary
- Level 1 Wetland Boundary
- contours
- Project Boundary

N W E S

0 75 150

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

Sambatek

This map was created using Sambatek's Geographic Information Systems (GIS), it is a compilation of information and data from various sources. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Sambatek is not responsible for any inaccuracies contained herein.

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DISTRICT
180 FIFTH STREET EAST, SUITE 700
ST. PAUL, MN 55101-1678

March 25, 2021

Regulatory File No. MVP-2017-03927-SSC

Builders Lot Group, LLC
c/o Melvin Brown Moore
9531 West 78th Street, #135
Eden Prairie, Minnesota 55344

Dear Mr. Moore:

We are responding to your request, submitted by Todd Ullom (Sambatek) on your behalf, for Corps of Engineers (Corps) concurrence with the delineation of aquatic resources completed on the Victoria Shores site. The project site is in Section 2, Township 29 North, Range 23 West, Ramsey County, Minnesota.

We have conducted a preliminary review of the delineation report, dated March 12, 2021 and generally concur that the Wetland Delineation Map (Page 22 of 45 of the Delineation Report) in the report depicts a reasonable approximation of the location and boundaries of aquatic resources on the property. This delineation can be used for planning, and will generally be sufficient for permitting purposes. It may be necessary to review this determination in response to changing site conditions or new information.

Additional Information regarding Jurisdiction and Permitting:

No jurisdictional determination was prepared for this project, nor is one required to support a permit application. If you submit a permit application, we will assist you in identifying aquatic resources that are not subject to Corps regulation to exclude those resources from the permit evaluation. A permit application should include this delineation, any subsequent revisions, and any state or local delineation approvals. You are advised that receipt of a permit or exemption from a state or local agency does not satisfy the requirement to obtain a Corps permit where one is needed.

Please note that the Corps has issued Nationwide General Permits and Regional General Permits that provide authorization for many minor activities. Many of those general permits require a pre-construction notification and Corps verification prior to starting work. However, several general permits also have “self-certifying” provisions that eliminate the need to provide notice to the Corps, provided the permittee complies with the terms and conditions of the general permit. Current general permit terms and conditions can be found at: https://www.mvp.usace.army.mil/Missions/Regulatory/Permitting-Process-Procedures/.

If you have any questions, please contact me in our St. Paul office at (651) 290-5268 or Samantha.S.Coungeris@usace.army.mil. In any correspondence or inquiries, please refer to the Regulatory file number shown above.

Sincerely,

Samantha Coungeris

Samantha Coungeris
Project Manager

cc:
Todd Ullom, Sambatek
Nicole Soderholm, Ramsey-Washington Metro Watershed District
Ben Meyer, BWSR

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DISTRICT
180 FIFTH STREET EAST, SUITE 700
ST. PAUL, MN 55101-1678

MAY 13, 2021

Regulatory File No. MVP-2017-03927-SSC

AE2S
c/o Laura Wehr
6901 East Fish Lake Road, Suite 284
Maple Grove, Minnesota 55369

Dear Ms. Wehr:

This letter concerns your request for Department of the Army authorization to install 6 private docks at the Victoria Shores Development supported by posts and pilings over Lake Owasso in the City of Roseville, Minnesota. The project site is in Section 2, Township 29 North, Range 23 West, Ramsey County, Minnesota.

The work proposed at the location stated is not within the regulatory jurisdiction of the Corps of Engineers. No work will be done in a navigable water of the United States, and no dredged or fill material, including that associated with mechanical land clearing or temporary sidecasting, will be discharged in any water of the United States, including wetlands. Therefore, a Department of the Army permit is not required to do this work.

This letter is valid only for the project referenced above. If any change in design, location, or purpose is contemplated, contact this office to avoid doing work that may be in violation of Federal law. PLEASE NOTE THAT THIS CONFIRMATION LETTER DOES NOT ELIMINATE THE NEED FOR STATE, LOCAL, OR OTHER AUTHORIZATIONS, SUCH AS THOSE OF THE DEPARTMENT OF NATURAL RESOURCES OR COUNTY.

The decision regarding this action is based on information found in the administrative record which documents the District's decision-making process, the basis for the decision, and the final decision.

If you have any questions, please contact me in our St. Paul office at (651) 290-5268 or Samantha.S.Coungeris@usace.army.mil. In any correspondence or inquiries, please refer to the Regulatory file number shown above.

Sincerely,

Samantha Coungeris

Samantha Coungeris
Project Manager

cc:
Melvin Moore, Builders Lot Group
Nicole Soderholm, RWMWD
Ben Meyer, BWSR
Todd Ullom, Sambatek

March 12, 2021
Sambatek Project #22422

Level 2 Wetland Delineation Report

-OF-

Victoria Shores

Roseville, Minnesota

-FOR-

Builders Lot Group, LLC

Prepared By:

Sambatek

Engineering | Surveying | Planning | Environmental

sambatek.com
763-476-6010
12800 Whitewater Dr, Suite 300, Minnetonka, MN 55343

WETLAND DELINEATION REPORT

Victoria Shores
Roseville, Minnesota

Prepared for:
Builders Lot Group, LLC

Prepared by:
Sambatek
Sambatek Project No. 22422

March 12, 2021

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ATTACHMENTS

Field Data Sheets

ACRONYMS

BWSR	Board of Water and Soil Resources	NWI	National Wetland Inventory
CWA	Section 404 of the Clean Water Act	OBL	Obligate Wetland Plant
DNR	Department of Natural Resources	OHWL	Ordinary High Water Level
EPA	U.S. Environmental Protection Agency	PWI	Public Waters Inventory
FAC	Facultative Wetland Plant	SWCD	Soil and Water Conservation District
FACU	Facultative Upland Plant	TEP	Technical Evaluation Panel
FACW	Facultative Wetland Plant	UPL	Upland Plant
FSA	Farm Service Agency	USACE	U.S. Army Corps of Engineers
GPS	Global Positioning System	WCA	Minnesota Wetland Conservation Act
MOA	Memorandum of Agreement	MHAPO	Minnesota Historical Aerial Photographs Online

INTRODUCTION AND BACKGROUND

The Victoria Shores project involves an approximately six acre site located approximately 0.5-mile north of the County Road C West and Victoria Street North intersection in Roseville, Ramsey County, Minnesota. The Project Area consists of three parcels, identified by PID #'s 022923310001, 0229233100048, and 022923310058 by the Ramsey County parcel map. The Project Area currently consists of woodlands and wetlands.

Sambatek conducted a Level 2 Wetland Delineation for the Project Area on December 9, 2020 and confirmed the presence of one wetland within the Project Area. The Project Area is located within Bank Service Area #7, Major Watershed #20 – Mississippi River – Twin Cities.

This Wetland Delineation Report is provided to the regulatory agencies for the purpose of identifying wetlands and other aquatic resources within the proposed Project Area and as a resource for the permitting process.

LEGAL CONTEXT

At the state government level wetlands are protected by the Minnesota Wetland Conservation Act (WCA) administered by the Board of Water and Soil Resources (BWSR) and the Public Waters Program administered by the Minnesota Department of Natural Resources (DNR).

At the federal government level wetlands are protected by Section 404 of the Clean Water Act (CWA).

To comply with Section 404 of the CWA, the federal government mandates the use of the *1987 U.S. Army Corps of Engineers Wetland Delineation Manual* (hereafter *The 1987 Manual*) (USACE 1987) and the regional supplement of the Project Area 's location. The proposed project lies within the Northeast/ Northcentral Region, therefore the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast/ Northcentral Region was utilized as part of the delineation activities. A 1994 Federal memorandum of Agreement between the Department of Defense, Department of Interior, U.S. Environmental Protection Agency (EPA), and the U.S. Department of Agriculture requires the use of *the 1987 Manual* and regional supplement by all federal resource agencies on non-agricultural lands.

Wetland regulations relevant to the Project Area are summarized below.

STATE REGULATIONS

Minnesota Wetland Conservation Act (WCA)

The WCA establishes a state policy of no-net-loss of wetlands and requires in the course of project development the avoidance of wetlands, minimization of impacts to wetlands, and mitigation for unavoidable impacts to wetlands.

Governor's Executive Order 03-04 and 00-02
This is the No-Net-Loss of Wetlands policy for the State of Minnesota.

Public Waters Work Permit Program
Those wetlands, waters, and streams that are included on Public Waters and Wetlands Inventory (PWI) maps are under the jurisdiction of the DNR. The DNR has jurisdiction over that portion of the Public Waters and Public Water Wetlands that is below the established Ordinary High Water Level (OHWL). Areas above the OHWL are regulated by the WCA.

FEDERAL REGULATIONS

Section 404 of the Clean Water Act (CWA)
Section 404 of the CWA regulates the discharge of dredged or fill material into Waters of the United States, including wetlands. The U.S. Army Corps of Engineers (USACE) administers the Section 404 permit program, while the EPA oversees the overall implementation of the CWA.

PURPOSE OF THIS REPORT
The purpose of this Wetland Delineation Report is to:

- Present an accurate record of wetland resources within the Project Area
- Provide a document to guide the Technical Evaluation Panel (TEP) members in a field review, and
- Solicit review and comment on wetland resources from wetland regulatory agencies early in the design process.

This report is intended for the review of appropriate wetland resource agencies such as BWSR, the DNR, the Ramsey County Soil and Water Conservation District (SWCD), and the USACE. This report is also intended to serve as a resource with which to guide a TEP in the wetland boundary verification exercise. As a result of the TEP, it is expected that the wetland regulatory agencies will concur in agreement of the wetland resources delineated and documented within the Project Area. This Wetland Delineation Report is intended so that the designers can have the necessary information to avoid and minimize impacts to wetlands to the extent practicable.

WETLAND DELINEATION METHODOLOGY
The delineation of wetlands within the Project Area consisted of a review of published resources, site delineation of non-agricultural wetlands per the "three-parameter" (Level 2) methodology set forth in the *1987 Manual,* the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northeast/ Northcentral Region* (hereafter, *The Regional Supplement*) (U.S. Army Corps of Engineers, Version 2.0, August 2010), and the *Guidance for Submittal of Delineation Reports to the St. Paul District Army Corps of Engineers and Wetland Conservation Act Local Governmental Units in Minnesota* (U.S. Army Corps of Engineers, Version 2.0, March 2015).

Published resources used in the wetland delineation process included the National Wetland Inventory (NWI) maps, Ramsey County Soil Survey, Topographic Maps, Minnesota Department of Natural Resources Public Waters and Wetlands Inventory Maps for Ramsey County, precipitation data, and historical aerial photography.

REVIEW OF PUBLISHED RESOURCES

The review of published resources is relevant to any effort in assessing the extent of wetland resources, e.g., three-parameter approach and the aerial photo review.

National Wetland Inventory (NWI)

Digital NWI data were obtained from the Minnesota Geospatial Commons website, overlain on aerial photography, and depicted on maps used during the wetland delineation office and fieldwork activities. Table 1 provides a summary of the NWI mapped wetlands within the Project Area.

Table 1. Summary of NWI Wetland within the Project Area

Location	Cowardin Classification	Circular 39	Delineated Wetland
Along the southeast boundary of the Project Area	PEM1C	Type 3	Wetland 1

Soils

The Soil Survey for Ramsey County (SSURGO, 2018) was examined prior to and during the Project Area fieldwork activities. SSURGO digital soils data were obtained and overlain on aerial photography for use during fieldwork and as part of the aerial slide review. Hydric soils are defined in the *Field Indicators of Hydric Soils in the United States: Guide for Identifying and Delineating Hydric Soils, Version 8.2, 2018* (NRCS, 2018), The *1987 Manual*, and *The Regional Supplement*. Based on the Hydric Rating obtained from the Soil Survey, soil types can be categorized into six categories:

- All hydric – all components listed for a given map unit are rated as being hydric,
- Predominantly hydric – more than 66% to less than 100% of components are hydric,
- Partially hydric – more than 33% to less than 65% of components are hydric,
- Predominantly non-hydric – more than 1% and less than 32% of components are hydric,
- Non- hydric – all components are rated as not hydric, and
- Unknown hydric – at least one component is not rated so a definitive rating for the map unit cannot be made.

Table 2 provides a list of the mapped soils within the Project Area.

Table 2. Summary of Mapped Soils within the Project Area

Map Unit Symbol	Map Unit Name	Hydric Soil Rating (%)	Rating Description	Drainage Classification
132B	Hayden fine sandy loam, 2-6% slopes	7	Predominantly non-hydric	Well drained
860C	Urban land-Hayden-Kingsley complex, 3-15% slopes	0	Not hydric	Not rated
1055	Aquolls and histosols, ponded	100	All hydric	Very poorly drained

DNR Public Waters and Public Water Wetlands

DNR Public Waters and Public Water Wetlands are those water resources identified and regulated by the DNR and specifically excluded from jurisdiction under the WCA. The following, excerpted from the DNR webpage, summarizes key facts about Public Waters Wetlands:

Public waters are all waterbasins and watercourses that meet the criteria set forth in Minnesota Statutes, Section 103G.005, subd. 15 that are identified on Public Water Inventory maps authorized by Minnesota Statutes, Section 103G.201*. Public waters wetlands include all type 3, type 4, and type 5 wetlands (as defined in U.S. Fish and Wildlife Service Circular No. 39, 1971 edition) that are 10 acres or more in size in unincorporated areas or 2.5 acres or more in size in incorporated areas (see: Minnesota Statutes Section 103G.005, subd. 17b, Wetland Type). Currently, DNR Waters utilizes scanned mylar county-scale maps printed on paper to show the general location of the public waters and public waters wetlands (lakes, wetlands, and watercourses) under its regulatory jurisdiction. These maps are commonly known as Public Waters Inventory (PWI) maps. The regulatory "boundary" of these waters and wetlands is called the ordinary high water level (OHWL).*

The DNR public waters map identifies Lake Owasso within the Project Area. The established OHWL for Lake Owasso is 887.1 ft.

Precipitation Data

Analysis of precipitation data pertinent to the Project Area assists in interpreting the wetland hydrology indicators observed during the field work activities.

Precipitation data were obtained from the Minnesota State Climatology Office webpage, which provides "synthetic" data for a chosen project location. The synthetic data are made up of regularly-spaced grid nodes whose values were calculated using data interpolated from Minnesota's precipitation database. For the purpose of this study, Sambatek utilized Section 2, Township 29N, Range 23W as the project location for the precipitation data. Normal precipitation is based on the 30-year average for the period of 1981-2010. Non-normal precipitation is considered to be that below the 30th percentile (drier than normal) and above the 70th percentile (wetter than normal). This study utilized the Three Month Prior Method suggested in the *Evaluating Antecedent Precipitation Conditions – Using Climate Data Available in Minnesota* document published by the BWSR in May 2015. Sambatek also reviewed the precipitation totals for the 12-months prior to the field visit to observe the precipitation trends over a longer period. Table 3 summarizes the monthly precipitation data for December 2019 to November 2020 when compared to the 30-year average and includes the condition determined using the Three-

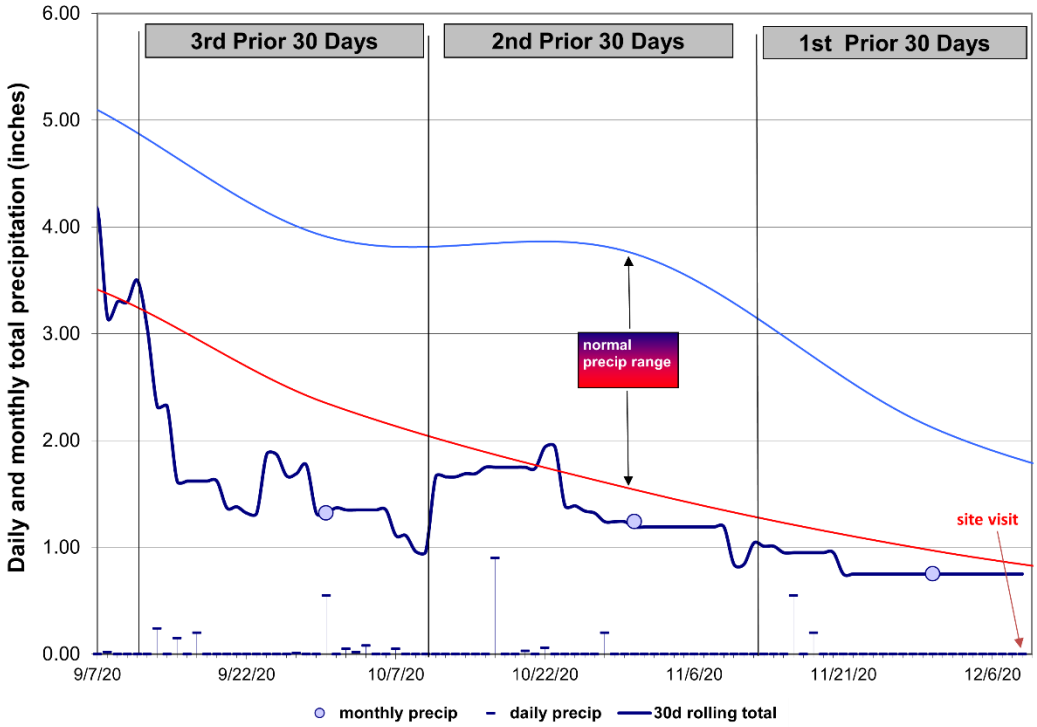
Prior-Month method. Figure 1 summarizes the daily precipitation for the 90 days prior to the December 9, 2020 field visit.

Table 3. Precipitation Data for Section 2, T29N, R23W

Month/ Year	30-Year Average (Inches)	Actual (Inches)	Difference (Inches)	
December 2019	1.14	2.14	1	
January 2020	0.84	0.93	0.09	
February 2020	0.78	0.58	-0.2	
March 2020	1.8	2.75	0.95	
April 2020	2.85	1.65	-1.2	
May 2020	3.65	4.2	0.55	
June 2020	4.5	4.83	0.33	
July 2020	4.52	2.97	-1.55	
August 2020	4.33	3.19	-1.14	**Three Month Prior Method**
September 2020	3.49	1.27	-2.22	Dry
October 2020	2.75	2.28	-0.47	Normal
November 2020	1.76	1.22	-0.54	**Normal**
Total	32.41	28.01	-4.40	**Normal (11)**

The site was experiencing 4.40 inches less precipitation than the 30-year average for the 12 months prior to the December 9, 2020 field visit. However, the Three Month Prior Method indicates that the site was experiencing normal conditions at the time of the field visit. Sambatek also generated a 30-day rolling total precipitation graph to demonstrate the moisture conditions at the time of the site visit and the three months prior to the site visit. Figure 1 illustrates that the site was experiencing drier than normal moisture conditions at the time of the site visit.

Figure 1. 30 Day Precipitation Rolling Total for Section 2, T29N, R23W



THREE-PARAMETER WETLAND DELINEATIONS

The delineation of wetlands was conducted in accordance to the routine determination (Level 2) methods described in *The 1987 Manual*. Data on soils, hydrology, and vegetation (the three parameters mandated in *the 1987 Manual*) were collected at each potential wetland. One sample transect was established at each wetland, which included one sample location clearly on the upland side of the wetland boundary and another sample location clearly on the wetland side of the wetland boundary. The wetland boundary was established at the line where one or more of the mandatory parameters (hydric soils, indicators of wetland hydrology, and a predominance of hydrophytic vegetation) were not present.

The definition of hydric soils as used in this report is per *Field Indicators of Hydric Soils in the United States: Guide for Identifying and Delineating Hydric Soils, Version 8.2, 2018* (NRCS 2018). *The 1987 Manual* provides additional information relevant to the definition and characteristics of hydric soils. Digital soils data for Ramsey County was overlain on aerial photos and reviewed for locations of mapped hydric soils, potential inclusions of hydric soils, and non-hydric soils within the Project Area.

The definitions of wetland hydrology and predominance of hydrophytic vegetation follow *the 1987 Manual* and *The Regional Supplement*. The designation of Wetland Plant Indicator Status for plants observed in wetland and upland sampling pits follows *The National Wetland Plant List – 2016 wetland ratings* (Lichvar, et al. 2016).

Boundaries of wetlands were recorded with a Trimble GeoXH GPS unit, which provides sub-meter accuracy.

ROUTINE FIELD WETLAND DELINEATION

Implementing the Level 2 routine wetland delineation methodology, one wetland was delineated within the Project Area. Identification of these areas was initially completed through the review of the National Wetland Inventory, the Ramsey County Soil Survey, and aerial photographs. Areas illustrated with these resources were examined in the field to determine if wetland conditions exist at these locations. Table 4 provides a summary of the wetland that was delineated within the Project Area.

Table 4. Summary of Delineated Wetlands within Project Area

Wetland ID	Wetland Type			Approximate Area (acres)	Approximate Area (SF)
	Circular 39	Cowardin	Wetland Community		
Wetland 1	Type 2	PEM1B	Fresh (wet) Meadow	1.8375	80,043

RESULTS

Wetland 1

Date of Wetland Delineation: December 9, 2020

Location: Along the southeast boundary of the Project Area

Wetland Description: Wetland 1 is a saturated wetland that fringes Lake Owasso. Wetland 1 is a Type 2 wetland within the Project Area; however, it transitions to a Type 3 outside the Project Area. Saturation was observed ten inches below the soil surface and a water table was observed twelve inches below the soil surface. The south portion of Wetland 1 was delineated using the Level 1 methodology. This portion of the boundary was placed using historical aerial photos and LiDAR contours.

Delineated Wetland Type: Fresh (wet) Meadow; Type 2 (PEM1B)

NWI: PEM1C

Ramsey County Soil Survey: Aquolls and histosols, ponded (1055)
Hayden fine sandy loam, 2-6% slopes (132B)

Hydric Rating: 7% (132B) – Predominantly non-hydric
100% (1055) – All hydric

DNR Public Waters Map: Lake Owasso

Dominant Vegetation of Wetland:
Phalaris arundinacea (Reed Canary Grass), FACW

Basis of Delineated Boundary: The boundary was placed along the contour that corresponds to a transition from the presence of hydric soil indicators on the wetland side of the boundary to a lack of hydric soil indicators on the upland side of the boundaries.

Photos of Wetland 1:

Wetland 1, facing northeast

Wetland 1, facing east

Wetland 1, facing east from the south of the portion of the wetland boundary

CONCLUSIONS

One wetland was delineated within the approximately six-acre Project Area. The wetland was delineated based on the three-parameter approach in accordance to *The 1987 Manual*. Field activities were completed on December 9, 2020.

The above described wetland delineation was performed by Sambatek's Senior Environmental Scientist, JD Donath WDC #1105. The delineation was performed in accordance to *The 1987 Manual* and *The Regional Supplement*. The delineation meets the standards and criterion described in *the 1987 Manual* and conforms to applicable standards and regulations in place at the time the delineation was completed.

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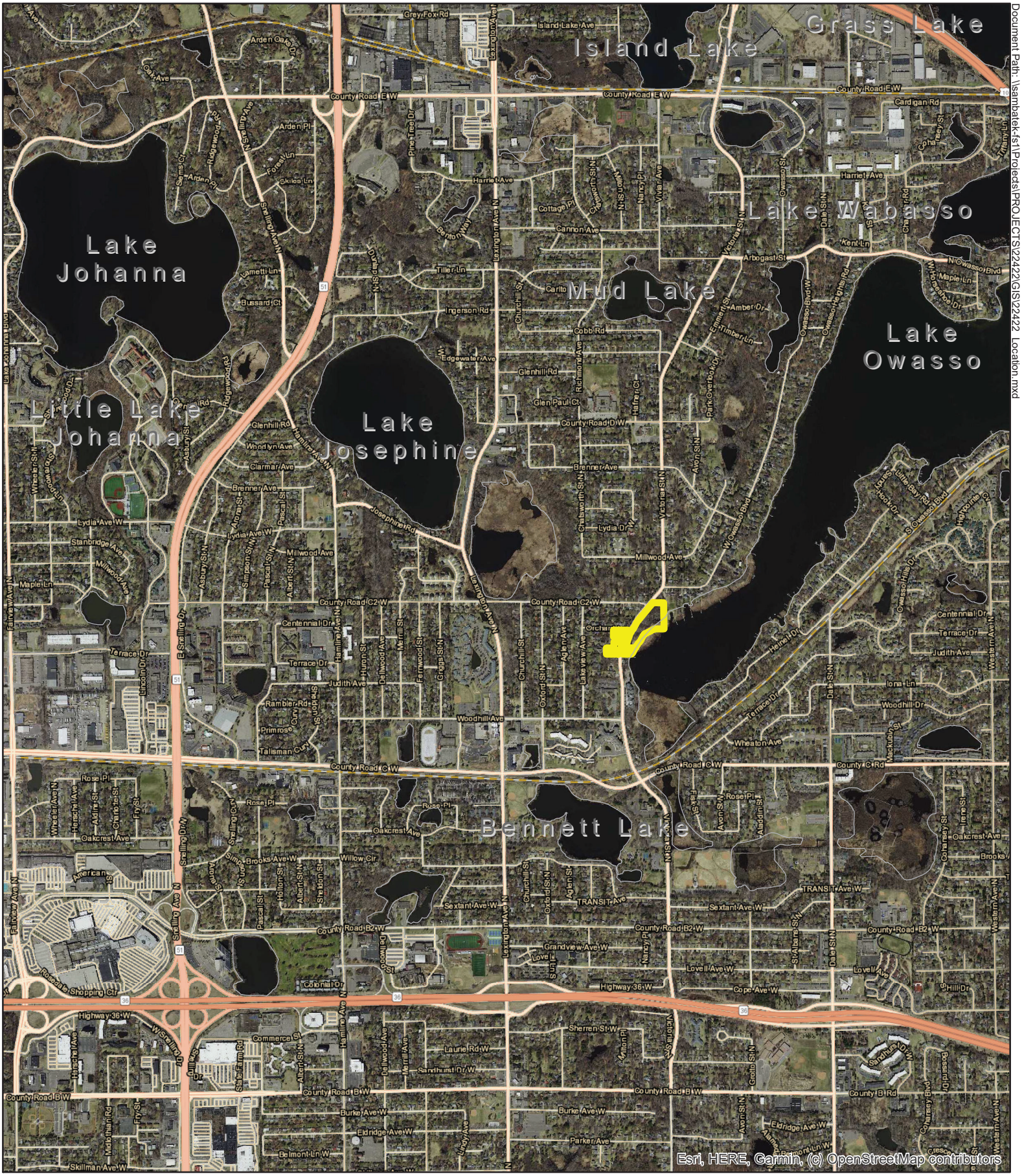
USACE. 2015. Guidance for Submittal of Delineation Reports to the St. Paul District Army Corps of Engineers and Wetland Conservation Act Local Government Units in Minnesota, Version 2.0. March 2015. Available online: http://www.bwsr.state.mn.us/wetlands/delineation/2015_Guidance_for_Submitting_Delineation_Reports_in_Minnesota.pdf.

Figures



Location Map

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 950 1,900

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

Sambatek

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LiDAR Topography Map

Victoria Shores

Roseville, Minnesota

Legend

- Project Boundary
- 2' Contours

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Ramsey County Soil Survey

Victoria Shores

Roseville, Minnesota

Legend

- Project Boundary

Soil Hydric Rating

- Not hydric
- Predominately non-hydric
- Partially hydric
- Predominately hydric
- All hydric
- Not rated

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

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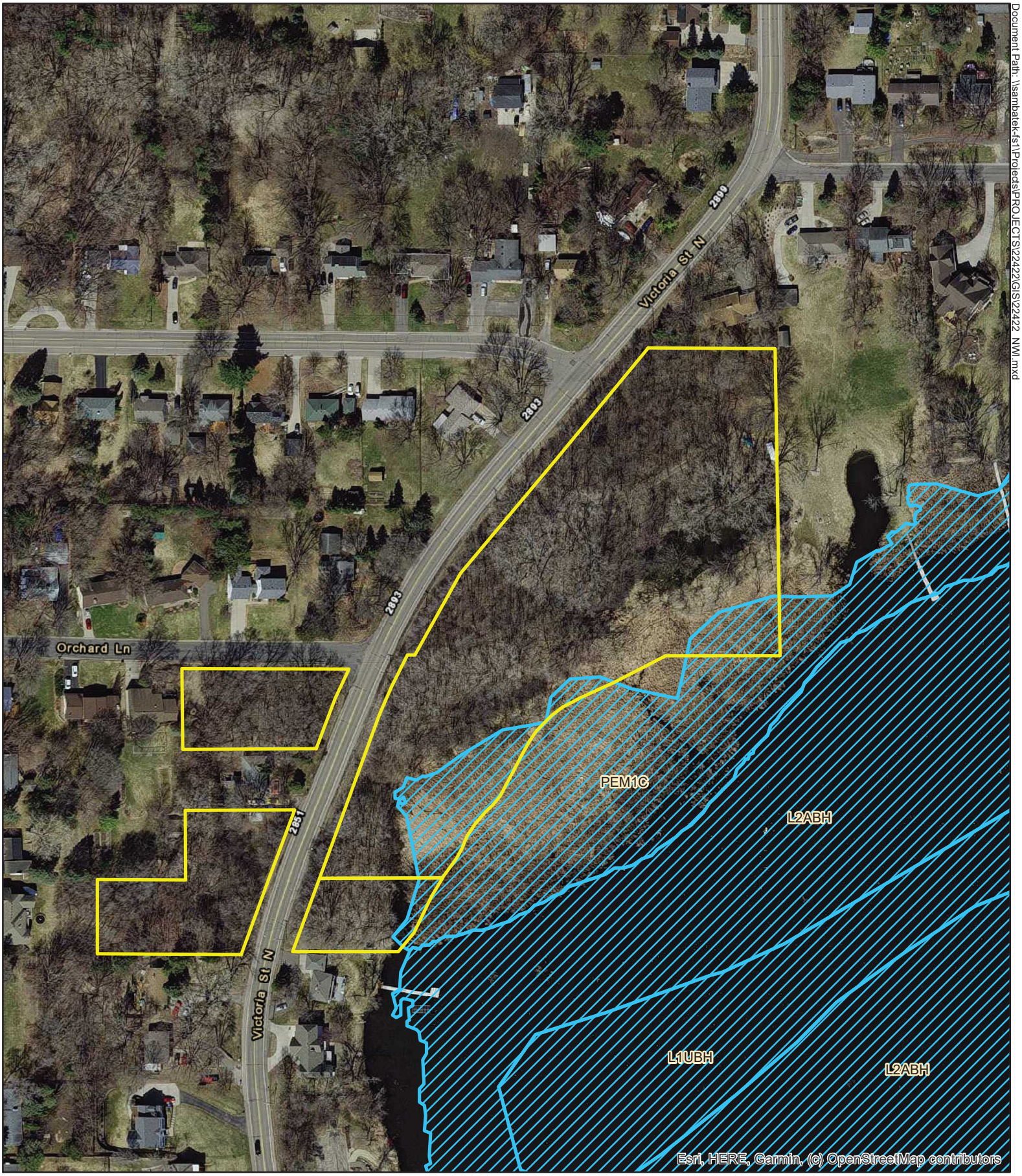

National Wetland Inventory

Victoria Shores

Roseville, Minnesota

Legend

- Project Boundary
- NWI mapped wetland

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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DNR Public Waters Inventory

Victoria Shores

Roseville, Minnesota

Legend

- Project Boundary
- Public Watercourses
- Public Water Basins

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

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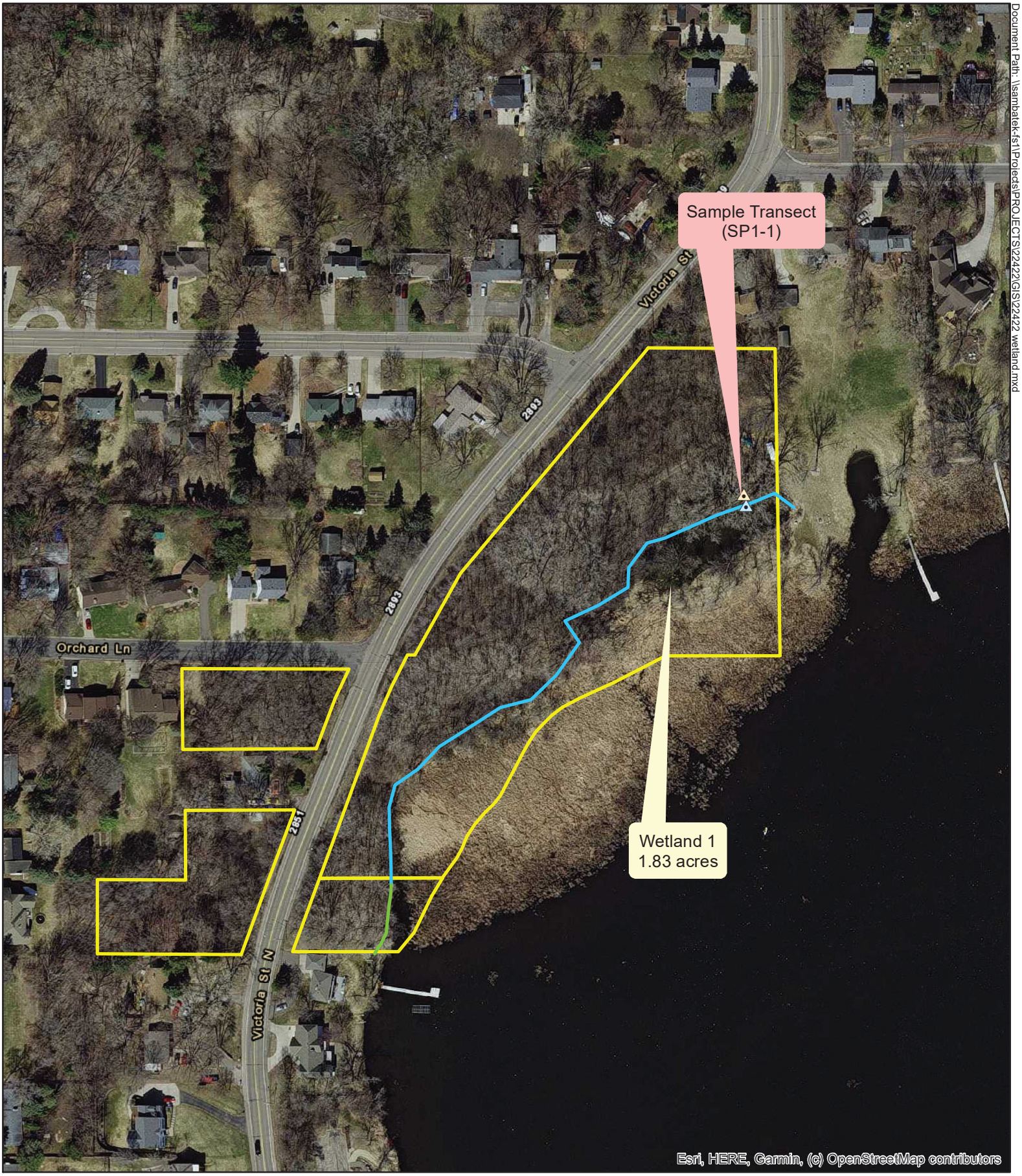

Wetland Delineation Map

Victoria Shores

Roseville, Minnesota

Legend

- Project Boundary
- Level 2 Wetland Boundary
- Level 1 Wetland Boundary
- Upland Sample Transect
- Wet Sample Transect

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 1991

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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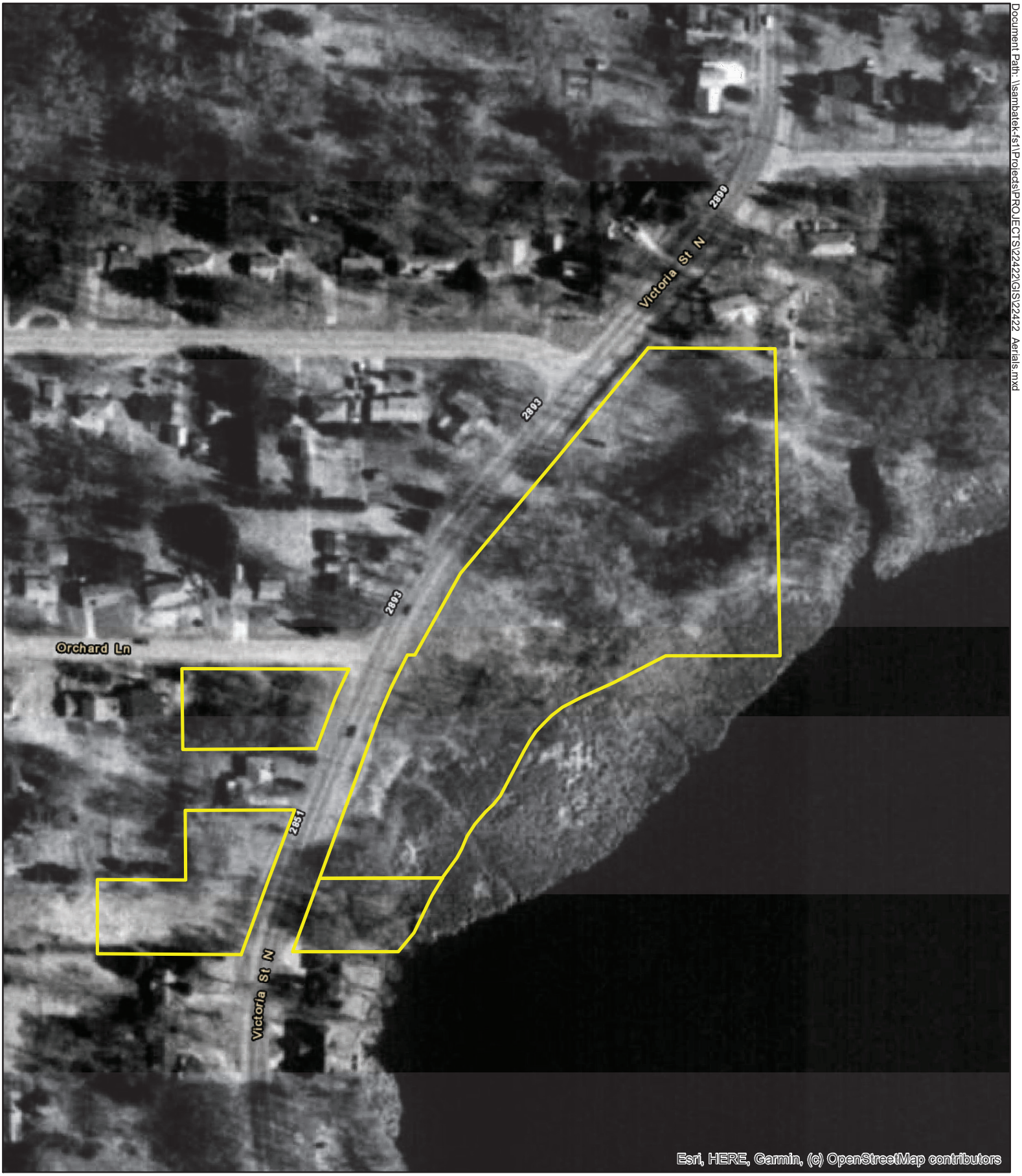

Historical Aerial Photo - 1997

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2000

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2003

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2004

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2006

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2008

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2009

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

Sambatek

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Historical Aerial Photo - 2010

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

Sambatek

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Historical Aerial Photo - 2012

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

Sambatek

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Historical Aerial Photo - 2013

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2015

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2016

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2017

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2019

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

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Historical Aerial Photo - 2020

Victoria Shores

Roseville, Minnesota

Legend

Project Boundary

N W E S

0 80 160

Scale in Feet

Date: 01/21/2021

Project Number: 22422

Notes:

Sambatek

This map was created using Sambatek's Geographic Information Systems (GIS), it is a compilation of information and data from various sources. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Sambatek is not responsible for any inaccuracies contained herein.

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Attachments

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Victoria Shores City/County: Roseville/ Ramsey Sampling Date: December 9, 2020
Applicant/Owner: Builders Lot Group, LLC State: MN Sampling Point: SP1-1WET
Investigator(s): JD Donath - Sambatek Section, Township, Range: Section 2, T29N, R23W
Landform (hillslope, terrace, etc.): Moraines Local relief (concave, convex, none):
Slope (%): 0-6 Lat.: 45.027268 Long.: -93.136796 Datum:
Soil Map Unit Name 132B - Hayden fine sandy loam NWI Classification: None
Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
Are vegetation ____, soil ____, or hydrology ____ significantly disturbed? Are "normal
Are vegetation ____, soil ____, or hydrology ____ naturally problematic? circumstances" present? Yes
(If needed, explain any answers in remarks)

SUMMARY OF FINDINGS

Hydrophytic vegetation present?	Y	**Is the sampled area within a wetland?**	Y
Hydric soil present?	Y		
Indicators of wetland hydrology present?	Y	If yes, optional wetland site ID:	

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

HYDROLOGY

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

- ___ Surface Water (A1)
- X High Water Table (A2)
- X 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)
- ___ Marl Deposits (B15)
- ___ 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)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Microtopographic Relief (D4)

Field Observations:

Surface water present?	Yes		No	X	Depth (inches):	
Water table present?	Yes	X	No		Depth (inches):	12
Saturation present? (includes capillary fringe)	Yes	X	No		Depth (inches):	10

Indicators of wetland hydrology present? Y

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

Remarks:

VEGETATION - Use scientific names of plants

Sampling Point: SP1-1WET

Tree Stratum	Plot Size (30)	Absolute % Cover	Dominant Species	Indicator Status
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
		0	= Total Cover	

Sapling/Shrub Stratum	Plot Size (15)	Absolute % Cover	Dominant Species	Indicator Status
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
		0	= Total Cover	

Herb Stratum	Plot Size (5)	Absolute % Cover	Dominant Species	Indicator Status
1	*Phalaris arundinacea*	100	Y	FACW
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
		100	= Total Cover	

Woody Vine Stratum	Plot Size ( )	Absolute % Cover	Dominant Species	Indicator Status
1				
2				
3				
4				
5				
		0	= Total Cover	

50/20 Thresholds

	20%	50%
Tree Stratum	0	0
Sapling/Shrub Stratum	0	0
Herb Stratum	20	50
Woody Vine Stratum	0	0

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)

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

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

Prevalence Index Worksheet

Total % Cover of:

OBL species	0	x 1 =	0
FACW species	100	x 2 =	200
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column totals	100 (A)		200 (B)

Prevalence Index = B/A = 2.00

Hydrophytic Vegetation Indicators:

- ___ Rapid test for hydrophytic vegetation
- X Dominance test is >50%
- X Prevalence index is ≤3.0*
- ___ Morphogical 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

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Hydrophytic vegetation present? Y

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

SOIL **Sampling Point:** SP1-1WET

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

Depth (Inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type*	Loc**	Texture	Remarks
0-8	10YR 2/1	100					Silt loam	
8-16	10YR 4/2	90	10YR 4/6	10	C	M	Silt loam	

*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
**Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- ___ Histisol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- X Depleted Below Dark Suface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L**
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):
Type: _____
Depth (inches): _____

Hydric soil present? ___Y___

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Victoria Shores City/County: Roseville/ Ramsey Sampling Date: December 9, 2020
Applicant/Owner: Builders Lot Group, LLC State: MN Sampling Point: SP1-1UP
Investigator(s): JD Donath - Sambatek Section, Township, Range: Section 2, T29N, R23W
Landform (hillslope, terrace, etc.): Moraines Local relief (concave, convex, none):
Slope (%): 0-6 Lat.: 45.027268 Long.: -93.136796 Datum:
Soil Map Unit Name 132B - Hayden fine sandy loam NWI Classification: None
Are climatic/hydrologic conditions of the site typical for this time of the year? Y (If no, explain in remarks)
Are vegetation ____, soil ____, or hydrology ____ significantly disturbed? Are "normal
Are vegetation ____, soil ____, or hydrology ____ naturally problematic? circumstances" present? Yes
(If needed, explain any answers in remarks)

SUMMARY OF FINDINGS

Hydrophytic vegetation present?	Y	**Is the sampled area within a wetland?**	N
Hydric soil present?	Y		
Indicators of wetland hydrology present?	N	If yes, optional wetland site ID:	

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

HYDROLOGY

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)
- ___ Marl Deposits (B15)
- ___ 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)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Microtopographic Relief (D4)

Field Observations:

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

Indicators of wetland hydrology present? N

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

Remarks:

VEGETATION - Use scientific names of plants

Sampling Point: SP1-1UP

Tree Stratum	Plot Size (30)	Absolute % Cover	Dominant Species	Indicator Status
1	*Populus deltoides*	50	Y	FAC
2	*Acer negundo*	50	Y	FAC
3				
4				
5				
6				
7				
8				
9				
10				
		100	= Total Cover	

Sapling/Shrub Stratum	Plot Size (15)	Absolute % Cover	Dominant Species	Indicator Status
1	*Rhamnus cathartica*	75	Y	FAC
2				
3				
4				
5				
6				
7				
8				
9				
10				
		75	= Total Cover	

Herb Stratum	Plot Size (5)	Absolute % Cover	Dominant Species	Indicator Status
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
		0	= Total Cover	

Woody Vine Stratum	Plot Size ( )	Absolute % Cover	Dominant Species	Indicator Status
1				
2				
3				
4				
5				
		0	= Total Cover	

50/20 Thresholds

	20%	50%
Tree Stratum	20	50
Sapling/Shrub Stratum	15	38
Herb Stratum	0	0
Woody Vine Stratum	0	0

Dominance Test Worksheet

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

Total Number of Dominant Species Across all Strata: 3 (B)

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

Prevalence Index Worksheet

Total % Cover of:

OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	175	x 3 =	525	
FACU species	0	x 4 =	0	
UPL species	0	x 5 =	0	
Column totals	175	(A)	525	(B)

Prevalence Index = B/A = 3.00

Hydrophytic Vegetation Indicators:

___ Rapid test for hydrophytic vegetation

X Dominance test is >50%

X Prevalence index is ≤3.0*

___ Morphogical 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

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Hydrophytic vegetation present? Y

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

No vegetation was observed in the herb layer during the field visit.

SOIL **Sampling Point:** SP1-1UP

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

Depth (Inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type*	Loc**	Texture	Remarks
0-10	10YR 2/2	100					Loam	
8-16	10YR 2/2	94	10YR 4/4	6	C	M	Loam	

*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains
**Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- ___ Histisol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Suface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L**
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):
Type: _____
Depth (inches): _____

Hydric soil present? Y

Remarks:

APPENDIX D
PHASE 1 ENVIRONMENTAL SITE ASSESSMENT

Appendix “D” contains Phase 1 Environmental Site Assessment.

January 25, 2021
Sambatek Project #22422

Phase I Environmental Site Assessment

-OF-

Owasso Lake Residential Development

Roseville, Minnesota

-FOR-

Builders Lot Group, LLC

Prepared By:

Sambatek

Engineering | Surveying | Planning | Environmental

sambatek.com
763-476-6010
12800 Whitewater Dr, Suite 300, Minnetonka, MN 55343

Phase I Environmental Site Assessment

of

Owasso Lake Residential Development
Roseville, MN

Prepared for:

Builders Lot Group, LLC
9531 West 78th Street, Suite 135
Eden Prairie, MN 55344

January 25, 2021

Sambatek

Phase I Environmental Site Assessment
Owasso Lake Residential Development, City of Roseville, Minnesota
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Phase I Environmental Site Assessment
Owasso Lake Residential Development, City of Roseville, Minnesota
LIST OF ACRONYMS

Acronym	Description
AST	Minnesota Above Ground Storage Tank Database
ASTM	American Society for Testing and Materials
BROWNFIELDS	Petroleum Brownfields Program Site Database
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CREC	Controlled Recognized Environmental Condition
CRP	Conservation Reserve Program
CWI	County Well Index
DELISTED TANK	Delisted Storage Tank Database
ERIS	Environmental Risk Information Services
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
HIST LAST	Historical Leaking Aboveground Storage Tank Database
HIST LEASKSITE	Historical Leak Site Database
HIST LUST	Historical Leaking Underground Storage Tank Database
HREC	Historical Recognized Environmental Condition
LiDAR	Light Detecting and Ranging
LST REM SITE	MPCA Remediation Leak Site Database
MN DNR	Minnesota Department of Natural Resources
MPCA	Minnesota Pollution Control Agency
NRCS	Natural Resources Conservation Service
NWIS	National Water Information System
RCRA	Resource Conservation and Recovery Act
RCRA CESQG	RCRA Conditionally Exempt and Very Small Quantity Generator Database
RCRA LQG	RCRA Generator Database
REC	Recognized Environmental Condition
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VIC	Voluntary Investigation and Cleanup Program List

REPORT SUMMARY

A Phase I Environmental Site Assessment (ESA) has been completed to determine if Recognized Environmental Conditions (RECs) exist at the Project Area located along Victoria Street North (near the cross streets of Orchard Lane and County Road C2 West) in the City of Roseville, Ramsey County, Minnesota. The scope services of consisted of a Project Area history review of federal, state, and local governmental records, a site visit, and an interview with people knowledgeable with the property per ASTM Standards (Practice E 1527-13) standards of care.

A review of federal and state databases was completed by Environmental Risk Information Services (ERIS). The Project Area is not listed in any federal or state databases, according to the ERIS database report. The ERIS report identified 3 facilities in the federal databases and 62 sites in the state database within a one-half-mile radius of the Project Area. None of these properties found in the ERIS databases were identified as RECS to the Project Area.

An on-site inspection was completed on January 15, 2021 and no indications of RECs were observed on the Project Area.

Based on the Project Area history gathered from federal, state and local records review, interview with the landowner, and site inspection, Sambatek concludes that there are no known RECs for the Project Area.

I. INTRODUCTION

This report presents the results of a Phase I ESA for the Project Area located along Victoria Street North in the City of Roseville, Minnesota (Figure 1, Page 3), conducted by Sambatek for Builders Lot Group, LLC (User). The site consists of three parcels (PIN 022923310048, PIN 022923310058, and PIN 022923310001) which are currently undeveloped property.

A. Purpose of the Study

Due to federal and state legislation, an individual, corporation, or financial institution that owns or operates on a property that is found to be contaminated may be held liable for all appropriate clean-up costs. The purchaser of the property should conduct an appropriate inquiry into the previous ownership and uses of the property in order to minimize liability.

Our investigation is designed to meet ASTM Standards (Practice E 1527-13) for Phase I ESA for property transfers. The ASTM Standards are intended to satisfy one of the requirements of qualifying for the innocent landowner defense to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability.

The purpose of this Phase I ESA was to evaluate the Project Area for indications of "recognized environmental conditions" (RECs). RECs are defined by ASTM Practice E 1527-13 as: "The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

The scope of the Phase I ESA includes a review of available environmental documents, contacting regulatory agencies, a visual inspection of the property, and a standard series of questions in a questionnaire provided to individuals familiar with the property. No warranties of statements on data received are made.

B. Scope of Work

The scope of the Phase I ESA includes the following:

1. Research and review of the chain of ownership of the Project Area.

2. Review of federal, state, county, and local environmental records of the Project Area and surrounding area (search distances defined in ASTM Standards).
3. Contacting applicable federal, state, county, and local government agencies that maintain environmental records for the Project Area.
4. Research and review of historical land use data, including aerial photographs beginning in 1940.
5. Conducting a visual site inspection of the Project Area and surrounding area.
6. Interview persons knowledgeable with the Project Area history.
7. The preparation of a report of findings.

C. Significant Assumptions

Landowner contact information, property boundaries, and other information pertaining to the Project Area were provided to Sambatek by the User. Sambatek assumes that all information provided by the User is true and accurate. The identification of geologic or geotechnical hazards is beyond the scope of the Phase I ESA.

D. User Reliance

Sambatek's findings and opinions presented in this Phase I ESA are exclusively for the use of the User and Builders Lot Group, LLC. Sambatek will not distribute or publish the Phase I ESA report without the consent of the User, except as required by law or court order. No other party has the right to rely on the contents of this Phase I ESA without the written authorization of Sambatek. The findings and opinions contained herein are limited in use by the User and Builders Lot Group, LLC. Sambatek's recommendations contained in this report represent our professional opinions. These opinions are arrived at in accordance with currently accepted Phase I environmental practices used in the State of Minnesota. Other than this, no warranty is implied or intended.

Figure 1. Project Area Location Map

II. PROJECT AREA DESCRIPTION

A. Location and Legal Descriptions

The Project Area is approximately 7 acres and is located along Victoria Street North in Ramsey County, Minnesota (Figure 1, Page 3). The Property Identification Numbers (PIN) for the Project Area are 022923310048, 022923310058, and 022923310001.

B. Project Area and Area Characteristics

The Project Area is located within a residential area located within the northeast portion of the City of Roseville. The Project Area is currently undeveloped.

C. Geology, Soil, Hydrogeological, and Topographic Conditions

Sambatek utilized the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Ramsey County Soil Survey, the Minnesota Geological Survey for Ramsey County, Minnesota Department of Natural Resources (MN DNR) Light Detecting and Ranging (LiDAR) data, United States Geological Survey (USGS) National Water Inventory System (NWIS), and Minnesota Geological Survey County Water Well Index (CWI) database to gather soils, geological, and topographic information for and near the Project Area.

According to the Soil Survey of Ramsey County, Minnesota, the soils on the Project Area are as follows: Hayden fine sandy loam, 2 to 6% slopes; Urban land-Hayden-Kingsley complex, 3 to 15% slopes, and Aquolls and histosols, ponded. The majority of the Project Area is identified as being well drained, while about a quarter of the Project Area is very poorly drained.

Sambatek utilized the Geologic Atlas of Ramsey County, Minnesota (Swanson & Meyer, 1992) for the geological information of the Project Area. Based on the atlas, the Project Area has a depth to bedrock of approximately 200 feet below land surface. The bedrock underlying the Project Area is identified as St. Peter Sandstone. The upper half to two-thirds of the St. Peter Sandstone Group is fine to medium-grained, quartz sandstone. The lower portion is multicolored beds of mudstone, siltstone, and shale with interbeds of very coarse sandstone. Surficial geology of the Project Area consists of typically loam-textured till, ranging from loamy sand to clay. The color of this layer is gray which oxidized to yellow brown. This layer is commonly banded with reddish-brown Superior lobe till or sand (Swanson & Meyer, 1992). The Project Area is identified as having a moderate susceptibility of water-table systems to pollution and low susceptibility of pollution to the aquifer. The static groundwater elevation in the vicinity of the Project Area is approximately 900 feet above mean sea level, and the groundwater generally flows to the southeast (Swanson & Meyer, 1992).

Based on the MN DNR LiDAR data (2012), the Project Area has a general elevation between 900 and 930 feet above mean sea level.

ERIS completed a search of the USGS NWIS and the Minnesota Geological Survey CWI databases, which did not identify a well on the Project Area. The state inventory identifies 113 wells within a one-mile radius of the Project Area and the federal inventory identifies 36 wells within a one-mile radius of the Project Area. The same well(s) may be included in both inventories, resulting in potential duplicates. The ERIS report provides well logs of the privately owned wells within a one-mile radius of the Project Area.

D. Current Uses of Project Area

The Project Area consists of undeveloped parcels comprised of woodlands and a large wetland on the fringe of Lake Owasso.

E. Structures, Roads, and Improvements

No major structures were observed on the Project Area.

F. Current Uses of Adjoining Properties

The Project Area includes the parcels identified as 022923310048, 022923310058, and 022923310001 which is currently undeveloped. To the south, west, and north of the Project Area are residential properties. Lake Owasso is located to the east of the Project Area. The Project Area is split by Victoria Street North.

G. Chain of Ownership/ Land Use

Sambatek did not review property tax files or zoning land use records to document historic use of the Project Area. The Project Area, which is identified by the Parcel IDs # 022923310048, 022923310058, and 022923310001, is currently owned by the Estate of George John Reiling and is currently vacant land. The owner obtained this land in 2016. The Project Area has consisted of vacant land since 1940, according to historical aerial photographs.

H. City Directories

Since the 1700s, city directories have been published for cities and towns across the U.S. Originally as a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. ERIS completed a search of the Roseville City Directory and provided results for addresses along Victoria Street North and Orchard Lane. The directories cover the periods of 1980 to 2018 (Appendix F). The Project Area was identified in the city directories for the years 1980, 1985, 1990, 1995-96, 2000, 2006, 2009, 2013, and 2018. The adjacent and nearby properties consisted primarily of residential uses with a small population of commercial or industrial properties. The neighboring property land uses are summarized below by year available in the city directory:

1980 – The use for the neighboring properties is mostly residential with the presence of five commercial businesses. The commercial businesses consist of a health center, design firm, and others.

1985 – The primary use for the neighboring properties are listed as residential with an addition of eight commercial properties. The commercial businesses consist of a masonry, agriculture business, design firms, a marine business, and more.

1990 – No significant changes were observed in the 1990 city directory for Victoria Street North or Orchard Lane. Four commercial properties are listed consist of a health/care center and a marine business.

1995/1996 – No significant changes were observed in the 1995/1996 city directory for Victoria Street North or Orchard Lane. The majority of the properties are residential. There are at least two commercial property listed which consist of an agricultural business and a health center.

2000 – No significant changes were observed in the 2000 city directory for Victoria Street North or Orchard Lane. There was an addition of commercial properties that appear to consist of medical businesses.

2006 – Additional residential properties, a church, and two construction commercial properties are listed for the Victoria Street North 2006 directory. Additional residential properties were also listed in the 2006 Orchard Lane 2006 directory.

2009 – No significant changes were observed in the 2009 city directory for Victoria Street North or Orchard Lane.

2013 – Two commercial or industrial listings were recorded for the Orchard Lane 2013 city directory. The listings consist of massage tools and an import/export property. No significant changes were observed in the 2013 city directory for Victoria Street North.

2018 – No listings were recorded for the Orchard Lane 2018 city directory. The listings in the 2018 city directory for Victoria Street North appear to be commercial and residential. Commercial properties consist of health-related services.

Based on these land uses there are not RECs for the Project Area.

III. INFORMATION PROVIDED BY USER

A. Title Records

No historic title records were provided by the User for Sambatek's review during completion of this Phase I ESA.

B. Environmental Liens and Activity and Use Restrictions

The User communicated no knowledge of environmental liens or activity or use limitations encumbering the Project Area.

C. Valuation Reduction for Environmental Issues

The User was unaware of any reduction in value of the Project Area due to past or present environmental issues.

D. Project Area Location Information

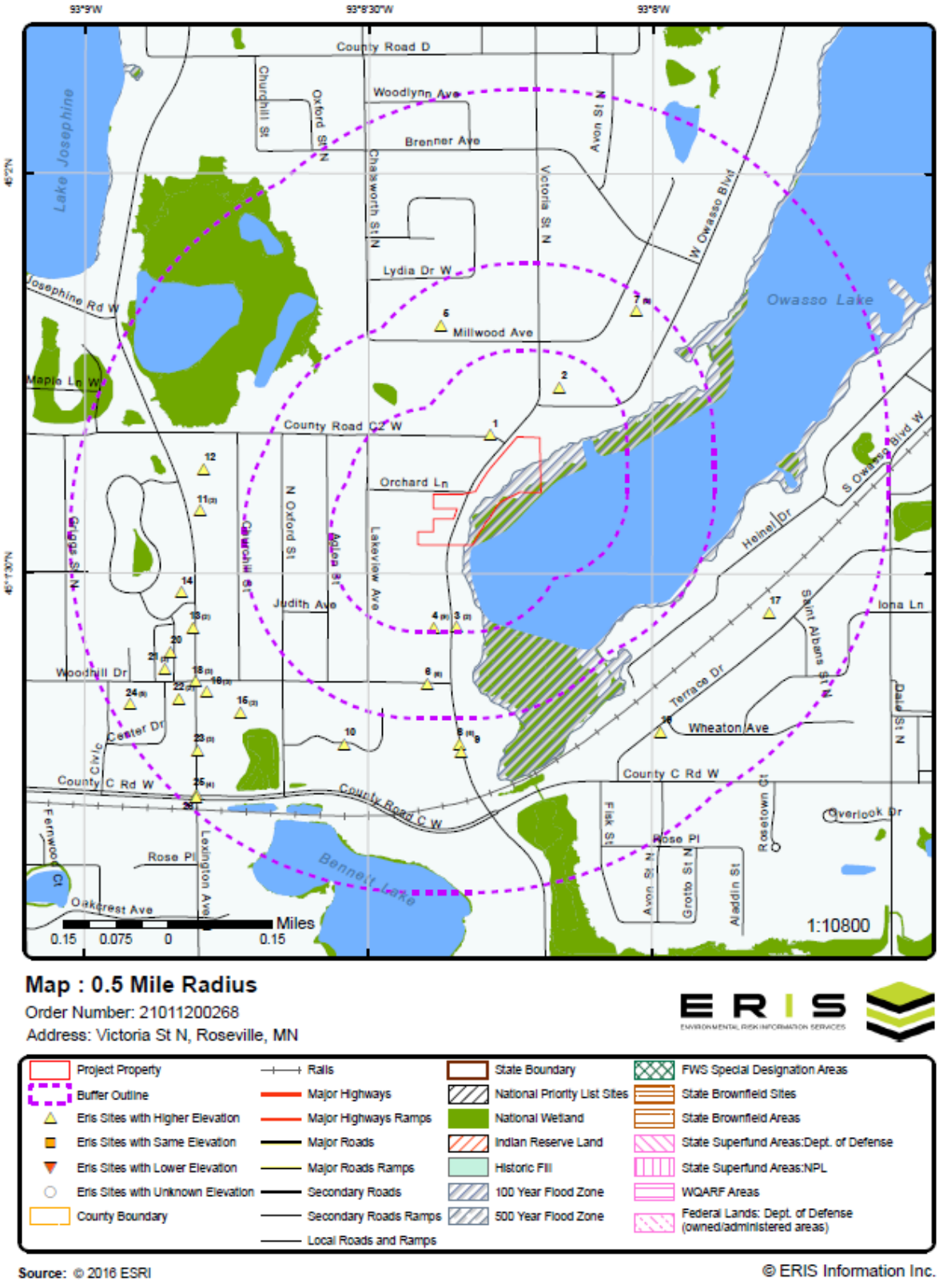
The PIN was provided for the Project Area by the User.

See Appendix A for a copy of the User Questionnaire.

IV. Records Review & Historical Use Information

A. Sources of Environmental Records

Sambatek contacted ERIS for the search of federal and state regulatory databases pertaining to the Project Area and surrounding area. The ERIS report (Appendix B) is a compilation and summary of facilities listed in the federal and state databases and located within a one-mile radius of the Project Area. Any facilities determined to be within the immediate vicinity of the Project Area are discussed below. The ASTM prescribed search radius for each database searched for records by ERIS, the number of listings located on each database search, and their appropriate locations in relation to the Project Area, are summarized in the following table on Page 8. The identified facilities are also depicted in Figure 2 on Page 7. The Project Area was not listed in any of the federal or state databases searched by ERIS. Additionally, outside of the Project Area, 3 facilities were listed in the federal databases and 62 properties were identified in the state databases within ASTM search radii.



Map : 0.5 Mile Radius

Order Number: 21011200268

Address: Victoria St N, Roseville, MN

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.

Figure 2. ERIS Search Radius Overview Map

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	1	0	-	-	1
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA CESQG	Y	0.25	0	1	1	-	-	2
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Table 1. ERIS Search Summary Table

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
PLP	Y	1	0	0	0	0	0	0
DEL PLP	Y	1	0	0	0	0	0	0
MPCA AI	Y	0.5	0	6	3	22	-	31
SHWS	Y	0.5	0	0	0	0	-	0
SITE ASSESSMENT	Y	0.25	0	0	1	-	-	1
SWF/LF	Y	0.5	0	0	0	0	-	0
LCP	Y	0.5	0	0	0	0	-	0
UNPERMITTED LF	Y	0.5	0	0	1	0	-	1
HIST LUST	Y	0.5	0	0	0	1	-	1
DEL LUST	Y	0.5	0	0	0	1	-	1
HIST LAST	Y	0.5	0	1	0	0	-	1
HIST LEAKSITES	Y	0.5	0	1	0	4	-	5
LST REM SITE	Y	0.5	0	2	0	4	-	6
LST INCIDENT	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	1	1	-	-	2
AST	Y	0.25	0	0	1	-	-	1
HIST TANK	Y	0.25	0	0	0	-	-	0
DELISTED TANK	Y	0.5	0	0	1	0	-	1
INST	Y	0.5	0	0	0	0	-	0
VIC	Y	0.5	0	0	0	3	-	3
BROWNFIELDS	Y	0.5	0	0	0	8	-	8
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	*No County standard environmental record sources available for this State.*							
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0

Table 1. ERIS Search Summary Table

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PFAS LF	Y	0.5	0	0	0	0	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
AG SPILLS	Y	0.125	0	0	-	-	-	0
HIST SPL	Y	0.125	0	0	-	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
CDL	Y	PO	0	-	-	-	-	0
FEEDLOTS	Y	0.5	0	0	0	0	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
Tribal	*No Tribal additional environmental record sources available for this State.*							
County	*No County additional environmental record sources available for this State.*							

Table 1. ERIS Search Summary Table

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Total:			0	13	9	43	0	65

* PO – Property Only
* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Table 1. ERIS Search Summary Table

B. Aerial Photographs

ASTM Standards require review of aerial photographs covering at least every five years since 1940. Often times, this criterion cannot be met and missing periods are noted in this report.

Aerial photographs were obtained from ERIS. Aerial photographs were not reasonably ascertainable for every five-year period; however, coverage of this property was generally available approximately every ten years. Aerial photographs were available for the following years: 1940, 1947, 1957, 1966, 1972, 1984, 1991, 2003, 2005, 2008, 2009, 2010, 2013, 2015, 2017 and 2019. The aerial photographs are attached at the end of the report as Appendix C. The following describes the changes observed in the historical aerial photographs.

1940 – The Project Area and adjacent land consists of agriculture land and a wetland fringe to Lake Owasso.

1947 – One residential property appears directly adjacent to the Project Area between the 1940 and 1947 historical aerial photographs. This residential property is located to the north of the Project Area (on the west side of Victoria Street North). Other residential properties were constructed during this time beyond the areas adjacent to the Project Area.

1957 – Several more residential properties were constructed between the 1947 and 1957 aerial photographs, to the north and east of the Project Area (on the west side of Victoria Street North). Orchard Lane, to the north of the western portion of the Project Area, appeared to have been constructed during this time.

1966 – A residential property was constructed on the properties adjacent to the southwest portion of the Project Area between 1957 and 1966, according to the aerial photographs.

1972 – No major changes were observed to the Project Area or the adjacent properties from the 1966 to the 1972 aerial photograph.

1984 – A residential property appears to have been construed to the west of the Project Area between the 1972 and 1984 aerial photographs.

1991 – No major changes were observed to the Project Area or the adjacent properties from the 1984 to the 1991 aerial photograph.

2003 – A residential property appears to have been constructed to the south of the Project Area between the 1991 and 2003 aerial photographs.

2005 – No major changes were observed to the Project Area or the adjacent properties from the 2003 to the 2005 aerial photograph.

2008 – No major changes were observed to the Project Area or the adjacent properties from the 2005 to the 2008 aerial photograph.

2009 – No major changes were observed to the Project Area or the adjacent properties from the 2008 to the 2009 aerial photograph.

2010 – No major changes were observed to the Project Area or the adjacent properties from the 2009 to the 2010 aerial photograph.

2013 – No major changes were observed to the Project Area or the adjacent properties from the 2010 to the 2013 aerial photograph.

2015 – No major changes were observed to the Project Area or the adjacent properties from the 2013 to the 2015 aerial photograph.

2017 – No major changes were observed to the Project Area or the adjacent properties from the 2015 to the 2017 aerial photograph.

2019 – No major changes were observed to the Project Area or the adjacent properties from the 2017 to the 2019 aerial photograph.

Based on the aerial photographs, no RECs are present on the Project Area or neighboring properties.

C. USGS Topographic Maps

Topographic maps of the Project Area were provided by ERIS for the years 1902, 1952, 1958, 1967, 1972, 1980, 1993, 1997, and 2016. These maps are attached at the end of the report as Appendix D.

Based on available ERIS topography maps, there appears to be no significant changes in topography on the Project Area between 1912 and 2017. The residential structures to the north and west of the Project Area are present in the 1958 topographic map. The additional residential structures to the south and west of the Project Area are present in the 1967 and 1980 topographic maps. The Project Area slopes downward to the northwest with an elevation of approximately 890 to 930 feet AMSL.

Based on the historical topographic maps, no RECs are present on the Project Area and neighboring properties.

D. Building Inspections

There are no structures on the Project Area; therefore, no records of past building inspections were available for review.

E. Flood Hazard Information

Sambatek has reviewed the Federal Emergency Management Agency (FEMA) Flood Insurance data for the Project Area and surrounding areas. The eastern portion of the Project Area, along the shore of Lake Owasso, is located within an area of high flooding risk. The remainder of the Project Area is identified as being within an area of minimal flood hazard.

V. INFORMATION FROM SITE RECONNIASSANCE

A. Methodology and Limiting Conditions

JD Donath of Sambatek conducted a site visit on January 15, 2021. No significant concerns or features were noted by Mr. Donath. The Project Area and the adjacent properties were investigated for indication of RECs. The Project Area consists of undeveloped land.

B. General Site Setting

The Project Area is located in the northeast area of the City of Roseville.

The Project Area topography exhibits an overall slope downward to the southeast towards Lake Owasso.

C. General Description of Structures

No structures were present on the Project Area.

D. Potable Water Supply

No wells were identified within the Project Area.

E. Sewage Disposal System

No sewage disposal system was observed on the Project Area.

F. Hazardous Substances and Petroleum Products

No evidence of hazardous substances and/or petroleum products was observed on the Project Area during the site inspection.

G. Storage Tanks

No indications of underground storage tanks (USTs) were observed on the Project Area. No aboveground storage tanks were observed on the Project Area.

H. Odors

No noxious and/or pungent odors were detected on the Project Area during site inspection.

I. Pools of Liquid

No pools of liquid likely to contain hazardous substances or petroleum products were observed on the Project Area during site inspection.

J. Drums

No drums were observed on the Project Area during the site inspection.

K. Electrical or Hydraulic Equipment

No electrical or hydraulic equipment was observed on the Project Area during the site inspection.

L. Exterior Observations

Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed on the Project Area.

Stained Soil or Pavement

No stained soil or pavement was observed on the Project Area. At the time of the site visit, the Project Area was covered in snow and therefore the ground surface (soil and pavement) could not be observed.

Stressed Vegetation

No areas of chemically stressed vegetation were observed on the Project Area. The vegetation within the Project Area was dormant at the time of the site visit.

Possible Fill Material or Buried Solid Waste

No evidence of possible fill material or buried solid waste was observed on the Project Area.

Solid Waste and Unidentified Substance Containers

No solid waste or unidentified substance containers were noted during site inspection.

Wastewater

No evidence of surficial wastewater discharge was observed on the Project Area during the site inspection.

Wells and Septic Systems

No wellheads or septic systems were visible within the Project Area.

M. Adjoining Property Observations

Based on visual observations from the edge of the Project Area, no adjoining properties are of environmental concern.

VI. INTERVIEWS

A. Landowner

Sambatek received a questionnaire from the representatives of the owner of the Project Area, Janet Machlitt and Julie Bluhm, on January 20, 2021. The representatives stated that The Estate of George John Reiling has owned the

property since 2016 and obtained the property from The Estate of Mary Jane Reiling. The property is vacant land and was stated as vacant use under the previous landowner as well. No structures occupy the Project Area, and the representatives did not record any issues. Sambatek concludes that there are no environmental concerns to the Project Area.

B. Client

Sambatek contacted the client who stated that they were unaware of any environmental conditions in connection with the Project Area.

VII. LIMITATIONS, DEVIATIONS, AND DATA GAPS

Sambatek prepared this report and based the findings and conclusions of this Phase I ESA in general accordance with ASTM Standard Practices E 1527-13. The findings of this Phase I ESA are limited to the specific Project Area described in this report, and by the accuracy and completeness of information provided by others.

Visual inspection of the Project Area was limited by the presence of 4 to 8 inches of snow; however, due to the agricultural history of the property limiting conditions did not affect the environmental professional's ability to render opinions regarding conditions indicative of a release or threatened release. No data gaps were identified during this Phase I ESA for the Project Area, except the following:

- Sambatek did not review property tax files or zoning land use records to document historic use of the Project Area.
- Aerial photographs were not reasonably ascertainable for every 5-year period; however, coverage of the Project Area was generally available approximately every 10 years between 1940 and 2017.

The following information is not contained in the ASTM Standard E 1527-13 and is not included in this Phase I ESA Report:

- Asbestos-Containing Building Materials
- Wetlands
- Industrial Hygiene
- Radon
- Regulatory Compliance
- Health and Safety
- Lead-based Paint
- Cultural and Historic Resources
- Ecological Resources
- Lead in Drinking Water
- Indoor Air Quality
- Endangered Species
- Biological Agents
- High Voltage Power Lines

- Mold

Further, this Phase I ESA does not include any testing or sampling of materials (e.g., soil, water, air, or building materials).

VIII. FINDINGS

Sambatek's findings identify all potential RECs, CRECs, and HRECs through information uncovered during site inspection, or provided by the User, landowner, government official, environmental database report, or other source. All findings listed in this section that require further elaboration are discussed in the Opinions section below to either dismiss the finding, or label it as a REC, CREC, or HREC.

Environmental database report listings do not necessarily indicate an environmental concern and instead identify issued permits, duplicate listings through multiple database results, or information that is not necessarily pertinent to a Phase I ESA. At the discretion of the reviewer(s), listings deemed to not pose an environmental concern, are irrelevant due to the nature of their listing or after additional research, were not included in the Findings and Opinions sections. For the full environmental database report with the entire list of database results, see Appendix B.

Sambatek makes the following findings based on this Phase I ESA:

- The government database records review identified 65 regulated facilities within 0.5 miles of the Project Area.

IX. OPINIONS

A. Identified Sites of Environmental Concern

The environmental database search identified records of listed sites with potential concern occurring within one mile of the Project Area as indicated in the report included in Appendix B. Of these, the following findings were of note and are discussed in the paragraphs below.

RCRA Generator List, RCRA Conditionally Exempt and Very Small Quantity Generators List (RCRA LQG, RCRA CESQG)

The environmental database search report lists one RCRA LQG site and two RCARA CESQG sites located a quarter mile within the Project Area. The RCRA LQG site is identified as Keystone Roseville, located at 2750 Victoria Street North, 0.12-mile south of the Project Area. This site has no records of violations as of October 2020. The RCRA CESQG sites are identified as (1) Polaris Pharmacy, located 0.12-mile southwest of the Project Area at 2727 Victoria Street North, and (2) AT&T Broadband, located 0.20-mile southwest of the Project Area at 934 Woodhill Drive. Both RCRA CESQG sites are recorded for very small quantity generated (as defined by the MPCA) and have no records of violations as of October 2020. These sites are not expected to be an environmental concern for the Project Area.

Site Assessment and Unpermitted Dump Sites (Unpermitted LF)
The environmental database search report lists one Site Assessment site located a quarter mile within the Project Area. The site is identified as Barrels Found During Excavation of Base, located near Victoria Street North and Millwood Avenue, 0.23-mile northeast of the Project Area. This was an unpermitted dump that was discovered in 1987 and the site was closed in 1999. This site and occurrence is also identified in the UNPERMITTED LF database, according to the ERIS search report. Due to the closed status of the site, this site is not considered to be an environmental concern for the Project Area.

Historical Leaking Underground Storage Tanks (HIST LUST), Deleted Leaking Underground Storage Tanks (DEL LUST), Historical Leaking Aboveground Storage Tanks (HIST LAST), Historical Leak Sites (HIST LEAKSITES)
The environmental database search report lists one HIST LUST site, one DEL LUST site, one HIST LAST site, and five HIST LEAKSITES sites located within one-half mile the Project Area.

The HIST LUST site is identified as Former Roseville School, located 0.29-mile south of the Project Area at 2659 Victoria Street North. This site is recorded for an October 2015 reported fuel oil leak and the site is no longer active. The DEL LUST site is identified as Oasis Market, located 0.40-mile southwest of the Project Area at 2719 North Lexington Avenue. This site is also identified in the HIST LEAKSITE database. The site reported a leak in 1998 and the site is no longer active. The HIST LAST site is identified as Lake Owasso Marina, located 0.12-mile from the Project Area at 2774 Victoria Street North. This record concerns a gasoline leak reported in 1993 and the site is no longer active. The four remaining HIS LEAKSITE sites (Oasis Market discussed above) are identified as follows, with distance from the Project Area: Lake Ridge Health Care Center (0.12-mile), Carrier Hardware (0.37-mile), Peoples Plus (0.38-mile), and City of Roseville-maint Garage (0.47-mile). All of these sits concern leaks that were reported earlier than 1995 and are no longer active. Due to the proximity from the Project Area and the date and status of activity, these sites are not expected to be an environmental concern to the Project Area.

MPCA Remediation Leak Sites, Voluntary Investigation and Cleanup Program List, Petroleum Brownfields Program Sites (LST REM SITE, VIC, BROWNFIELDS)
The environmental database search report lists six LST REM SITE records, three VIC sites, and eight BROWNFIELDS sites within a quarter mile from the Project Area.

The six LST REM SITE records are identified as follows, with proximity from the Project Area: Lake Owasso Marina (0.12-mile), Lake Ridge Health Care Center (0.12-mile), Former Roseville School (0.29-mile), Carrier Hardware (0.37-mile), Peoples Plus (0.38-mile), and City of Roseville-maint Garage (0.47-mile). All sites other than Peoples Plus have been discussed in previous sections and are recorded as closed in the LST REM SITE database. Peoples Plus is also recorded as closed according to the database and this site concerns a site that was closed in 1996.

The three VIC sites are identified as follows, with proximity from the Project Area: Applewood Pointe of Roseville (0.29-mile), Cherrywood Pointe at Lexington South (0.43-mile), and Josephine Woods Development (0.48-mile). These sites were all closed in the years 2016, 2020, 2012, respectively.

The eight BROWNFIELDS sites are identified as follows, with proximity from the Project Area: Applewood Pointe of Roseville (0.29-mile), Applewood Pointe of Roseville at Central Park (0.29-mile), Lexington Woods (0.31-mile), Lexington Shoppes (0.34-mile), Cherrywood Pointe of Roseville (0.35-mile), Cherrywood Pointe at Lexington South (0.43-mile), Josephine Woods (0.48-mile), and Josephine Woods Development (0.48-mile). Three of the sites have been discussed above. Seven of the eight sites are closed and completed their activities. The remaining active site is Lexington Woods, which started in September 2019. This site is located over 0.30-mile west of the Project Area.

Due to the distance from the Project Area or the date and status of these sites, they are not considered an environmental concern to the Project Area.

Underground Storage Tanks, Minnesota Above Ground Storage Tanks, Delisted Storage Tanks (UST, AST, DELISTED TANK)

The environmental database search report lists two UST sites, one AST site, and one DELISTED TANK site within a quarter mile from the Project Area. There is a site that is listed in all three databased identified as AT & T Broadband, located 0.20-mile southwest of the Project Area at 934 Woodhill Drive. According to the MPCA online database, there was one underground tank removed from this site and there are two active aboveground tanks at this site. The active aboveground tanks hold fuel oil (approximately 2,000 gallons) and diesel oil (approximately 300 gallons). The remaining site is identified in the UST database as The Estates at Roseville at 2727 Victoria Street North, located 0.12-mile southwest of the Project Area. According to the MPCA online database, this site contains one removed underground tank and one active underground tank which holds approximately 4,000 gallons of diesel fuel. Due to the nature and compliance of this site, it is not seen as an environmental concern to the Project Area.

MPCA Agency Interests (MPCA AI)

The environmental database search report lists 31 MPCA AI sites within a quarter mile from the Project Area. Of the 31 sites, 11 have bee discussed in previous sections (Keystone Roseville, Lake Owasso Marina, The Estates at Roseville, Polaris Pharmacy, Former Roseville School, Applewood Pointe of Roseville at Central Park, Lexington Woods, Peoples Plus, Cherrywood Pointe at Lexington South, City of Roseville Maintenance Garage, AT & T Broadband, and Josephine Woods).

Four of the remaining sites are located within 0.25-mile of the Project Area. These records are listed for the following MPCA programs: one unlisted, one site assessment, and two construction stormwater permits. The site assessment appears to be the same site as recorded in the Site Assessment database, Barrels Found During Excavation of Base.

The unlisted program site is identified as Michael Heffernan and inactive according to the MPCA online database. Due to their status, distance from the Project area, and the nature of the MPCA permit, these sites are not considered an environmental concern to the Project Area.

The remaining site are located greater than 0.30-mile from the Project Area and are for the following MPCA programs/permits: Five construction stormwater permits, five underground tank permits, five hazardous waste permits, one brownfield site, and two petroleum mediation sites. The activity for all sites besides construction stormwater permits were checked for activity on the MPCA online database. Four of the five underground tank sites are inactive and have had the tanks removed; the one active site contains two active underground tanks. Three of the five hazardous waste are inactive, and the two remaining active sites contain very small quantity generators according to the MPCA online database. The brownfield site is addressed in the BROWNFIELDS database section above (identified as Josephine Woods). The two petroleum remediation sites are inactive. Due to the distance from the Project Area and/or the status of their permits or programs, these sites are not expected to be a concern to the Project Area.

B. Recognized Environmental Conditions

The term REC means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substance or petroleum products into structures on the property, or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under condition that are in compliance with laws and regulations. The term is not intended to include *de minimus* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

No RECs were identified in preparation of this Phase I ESA.

C. Controlled Recognized Environmental Conditions

A Controlled Recognized Environmental Condition is defined by ASTM Practice E 1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.”

No CRECs were identified in preparation of this Phase I ESA.

D. Historical Recognized Environmental Conditions

HRECs are those instances that were or would have been considered to be RECs in the past, but because of additional information, or a change in conditions, may no longer be considered a REC.

No HRECs were identified in preparation of this Phase I ESA.

E. De Minimus Conditions

A *de minimus* condition is one that generally does not pose a threat to human health or the environment and would generally not trigger an enforcement action if brought to the attention of an appropriate regulatory agency. Conditions determined to be de minimus are not RECs.

No de minimus conditions were found on the Project Area.

F. Additional Considerations

An additional consideration is a condition that does not meet the definition of a REC, CREC, or HREC, but, in our opinion, should be brought to the attention of the User.

No additional considerations were noted based on the findings of this report.

X. CONCLUSIONS AND RECOMMENDATIONS

Sambatek performed a Phase I ESA of the Project Area. This Phase I ESA was conducted in conformance with the scope and limitations of ASTM Standard E 1527-13. Exceptions to, or deletions from, this practice are described in Section VII of the Phase I ESA. Based upon the data reviewed and information from the regulatory agencies, Sambatek concludes that there are no RECs, CRECs, or HRECs for the Project Area.

XI. STANDARDS OF CARE

This Phase I ESA Report was prepared for Builders Lot Group, LLC in accordance with the contract between Sambatek and Builders Lot Group, LLC which includes the Sambatek General Conditions.

I declare that, to the best of my knowledge, I meet the definition of an Environmental Professional as defined in 40 CFR Part 312.10. I have the specific qualifications, education, training, and experience to assess the nature and histories of properties in conformance with the standards and practices set forth in 40 CFR Part 312. We have performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR part 312. I hereby certify that this report was prepared by me or under my direct supervision.

Sincerely,

Sambatek

Todd Ullom
Practice Leader – Environmental

XII. REFERENCES

ERIS (Environmental Risk Information Services). 2021. Database Report for Owasso Lake Residential Development, Ramsey County, IL. Reports included in Appendices. http://www.erisinfo.com.

Meyer, G.N.; Swanson, L.. (1992). C-07 Geologic atlas of Ramsey County, Minnesota. Minnesota Geological Survey. Retrieved from the University of Minnesota Digital Conservancy, http://hdl.handle.net/11299/58233

Ramsey County Soil Survey. United States Department of Agriculture – Natural Resources Conservation Services (USDA-NRCS). Available online at: https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.

XIII. QUALIFICATIONS

Todd Ullom, WDC (MN*) – Practice Leader, Environmental*
Education: *University of Wisconsin – River Falls – BS, Conservation*
Southwest Texas University – Post-Graduate, Water Resource Management
Experience: *25 Years of Environmental Consulting Experience, Including Phase I ESAs*

JD Donath – Senior *Environmental Scientist*
Education: *University of Wisconsin-Madison– BS, Natural Resources-Wildlife Ecology*
Hennepin County Technical College- Survey Technology and CADD Design
Experience: *25 Years of Environmental Site Assessments*

Brittney Krebsbach – *Environmental Scientist*
Education: *University of St. Thomas – BS, Biology of Global Health*
Experience: *2 Years of Environmental Consulting Experience, Including Phase I ESAs*

APPENDIX A
User Questionnaire

Sambatek

Authentisign ID: D51524FC-89AC-4E00-9BED-05FA1705B67B

Phase I ESA Landowner Questionnaire

Date: 1-18-2021

Sambatek Project Name: Owasso Lake Residential Development

Sambatek Project Number: 22422

Parcel Identification (PIN): 022923310048, 022923310058, 022923310001

Individual Interviewed: Janet Machlitt & Julie Bluhm

Title of Individual Interviewed: Personal Representatives

Site Street Address: 0 Victoria (no street address)

City, State, Postal Code: Roseville MN 55113

County: Ramsey

Current Landowner: The Estate of George John Reiling

Year of Project Area Purchase: December 2016

Current Use of Project Area: Vacant Land

Previous Landowner: Estate of Mary Jane Reiling

Previous Use of Project Area: Vacant Land

Adjoining Properties Known Past & Present Uses

List Name, Address of the Business, and its Current Use Followed by its Past Uses

↑ North Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

↗ Northeast Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

→ East Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

↘ Southeast Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

↓ South Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

↙ Southwest Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

← West Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

↖ Northwest Property:

Toxic Chemicals/Petroleum Products Evident? ☐ Yes ☒ No *Past Uses:* Unknown to Seller

Sambatek

Question	Owner/Operator	Observed During Site Visit
1. Do any of the past and/or present uses involve environmentally sensitive industries? *(See **Page 1** for Past & Present uses of Project Area and Adjoining Properties; Refer to the NAICS codes on **Page 7** to see if they qualify as an Environmentally Sensitive Industry.)*		
Of the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please list the past/present use(s) and its NAICS code(s) that qualified as environmentally sensitive:		
Of the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please list the past/present use(s) and its NAICS code(s) that qualified as environmentally sensitive:		
2. Have Hazardous Substances been used or identified in the past or present?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
3. Is there storage, generation, treatment, emission, or disposal of Hazardous Substances?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
4. Do the owners or business operators possess permits to use, store, generate, dispose, treat, emit, or dispose of Hazardous Substances?		
Of the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
Of the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		

Question	Owner/Operator	Observed During Site Visit
5. Is there evidence of Contamination?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
6. Are there potential sources of Contamination[1]?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
7. Does the borrower, seller, or Lender have any knowledge of any past evidence of Contamination or sources of Contamination?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
8. Do the landowners have any knowledge of aboveground or underground storage tanks?		
At the ***Project Area***:	❑Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		

[1] Source of Contamination may include, but are not limited to, the following: (1) damaged or discarded automotive or industrial batteries; (2) pesticides, paints or other chemicals stored in individual containers greater than five gallons in volume or 50 gallons in the aggregate; (3) chemicals in industrial drums or sacks; (4) pits, ponds or lagoons for waste disposal or storage; (5) fill dirt from a contaminated or unknown source; (6) underground or aboveground storage tanks; (7) vent pipes, fill pipes or access ways indicated by a fill pipe protruding from the ground; (8) flooring drains or walls within a facility that are stained by substances other than water and/or are emitting noxious odors; (9) clarifiers, pits or sumps; (10) dry wells.

Question	Owner/Operator	Observed During Site Visit
9. Are there currently or to the best of the landowner's knowledge have there been any industrial drums or sacks of chemicals located on or around the project area?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
10. Has fill dirt been brought onto the project area that originated from a contaminated site or is of unknown origin?		
At the ***Project Area***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
11. Any pits, ponds, or lagoons associated with water treatment or waste disposal?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
12, Has there been any stained soil?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ❑ No ❑ Unknown
If yes, please explain:		

Question	Owner/Operator	Observed During Site Visit
13. Does the borrower, seller, or Lender have any knowledge of any past, threatened, or pending lawsuits or administrative proceedings concerning a Release or threatened Release?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
14. Has any Governmental Entity taken any regulatory actions for environmental conditions?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
15. Have any environmental risk studies or assessments been previously performed?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please identify the type of study (questionnaire, TSA, Phase I, Phase II, other), when it was performed, results of the study if known, and attach copies if available:		
16. Is there any presence of lead paint, asbestos, or Polychlorinated Biphenyls ("PCBs")?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		

Question	Owner/Operator	Observed During Site Visit
17. Any knowledge of hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials discarded or burned on the project area?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
18. Any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
19. Is the project area served by a public or private well?		
At the ***Project Area***:	❑ Public ❑ Pivate ❑ Unknown	❑ Public ❑ Private ☒ Unknown
20. Are there any transformers on the project area?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		

Question	Owner/Operator	Observed During Site Visit
21. Any knowledge of environmental liens?		
At the ***Project Area:***	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		
At the ***Adjoining Properties***:	❑ Yes ❑ No ☒ Unknown	❑ Yes ❑ No ☒ Unknown
If yes, please explain:		
22. Any knowledge of past or present on-site septic systems?		
At the ***Project Area***:	❑ Yes ☒ No ❑ Unknown	❑ Yes ☒ No ❑ Unknown
If yes, please explain:		

Authentisign ID: D51524FC-89AC-4E00-9BED-05FA1705B67B

ACKNOWLEDGEMENT:

I acknowledge that I have read this questionnaire and have responded to the questions to the best of my knowledge. I have made a full disclosure of my knowledge of suspected or actual environmental concerns regarding this project area.

CURRENT OWNER/OPERATOR:

Authentisign

Janet Machlitt, Personal Representative

Signature 1/19/2021 5:47:21 PM CST

Janet Machlitt & Julie Bluhm

Printed Name

Title

Date

INVESTIGATING ENVIRONMENTAL PROFESSIONAL:

JD Donath

Signature

Printed Name

Senior Environmental Scientist

1-23-2020

Title

Date

Based on the site visit and answers and information provided in response to the questions above, further investigation

____ Is not warranted (answers and site visit revealed no evidence of contamination)

____ Is warranted (one or more yes answers, incomplete answers, and/or site visit findings indicate potential environmental issues may exist.)

Sambatek is not responsible or liable for any delays, inaccuracies, errors or omissions arising out of use of this Environmental Questionnaire or with respect to the material contained within, including without limitation, any material related to the questionnaire. This Environmental Questionnaire and all materials contained in it are distributed and transmitted "as is" without warranties or guarantees of any kind, either express or implied. Sambatek is not liable for any actual, special, indirect, incidental or consequential damages that may arise from the use of, or the inability to use this Environmental Questionnaire and or any materials contained in the Environmental Questionnaire or information provided to Sambatek or a third party.

Sambatek

DEFINITIONS

For purposes of this SOP, the following definitions apply. Terms that are not defined below but are defined in CERCLA, 13 CFR or 40 CFR shall have the meaning provided in CERCLA, 13 CFR, or 40 CFR.

"Adjoining Properties" means any real property or properties where border of which is (are) shared in part or in whole with that of the Project Area, or that would be shared in part or in whole with that of the Project Area but for a street, road, or other public thoroughfare separating the properties. This may include the remaining portion(s) of the parcel of which the Project Area is part of. For example, if the Project Area is a smaller section of a larger parcel, both of which are owned by the same property owner, then the remaining parcel that is not part of the Project Area would be considered the Adjoining Properties.

"Contamination" means the presence of any Hazardous Substance at or affecting the Project Area, including any Hazardous Substances that have migrated to or from the Project Area, in such quantities or under such conditions as to render the Project Area or the operations conducted thereon subject to, or potentially subject to, a directive or order from a Governmental Entity.

"Environmental Questionnaire" means the questionnaire used by an Environmental Professional to determine the likelihood that Contamination may be present at Project Area. Environmental Questionnaires must be completed or reviewed by an Environmental Professional that has made at least one site visit to the Project Area and a good faith effort to conduct an interview with the current owner or operator of the Project Area. An Environmental Questionnaire may be considered if it was completed up to 6 months prior to submission. The current owner or operator of the Project Area must sign the Environmental Questionnaire.

"Governmental Entity" means any federal, state, commonwealth, tribal or local government branch, authority, district, agency, court, tribunal, department, officer, official, board, commission or other instrumentality that exercises any form of jurisdiction or authority under any Environmental Law.

"Hazardous Substance" means the following: (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or sub-stance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C.§§6901 et seq.) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C.
§7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

"Project Area" – means the real property that is the subject of the proposed development. Should the Project Area be a smaller portion of a larger parcel, then the environmental site assessment will be limited to just the area of the proposed project. The remaining portion of the parcel from which the Project Area is from would be considered an Adjoining Property as defined above.

"Environmental Professional" a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). The person may be an independent contractor or an employee of the user.

"Release" means a release of any hazardous substance or petroleum product shall have the same meaning as the defini-tion of "release" in CERCLA 42 U.S.C. § 9601(22)). For additional background information, see Legal Appendix (Ap-pendix X1)to X1.1.1 "Releases and Threatened Release."

NAICS CODES OF ENVIRONMENTALLY SENSITIVE INDUSTRIES

How to determine if an industry is included on this list:
A 3, 4, or 5 digit NAICS code includes all industries beginning with those 3, 4, or 5 digits.
A 6 digit NAICS code includes only that industry under that industrial code.

211 OIL & GAS EXTRACTION
212 MINING (EXCEPT OIL & GAS)
213 SUPPORT ACTIVITIES FOR MINING
237 HEAVY & CIVIL ENGINEERING CONSTRUCTION
311 FOOD MANUFACTURING (if underground fuel tanks present)
312 BEVERAGE & TOBACCO PRODUCT MANUFACTURING (except breweries, 31212)
313 TEXTILE MILLS (not required if sewing, weaving, or hemming only)
314 TEXTILE PRODUCT MILLS (not required if sewing, weaving, or hemming only)
316 LEATHER & ALLIED PRODUCT MANUFACTURING (not required if assembly only)
321 WOOD PRODUCT MANUFACTURING (if finishing occurs onsite)
322 PAPER MANUFACTURING
323 PRINTING & RELATED SUPPORT ACTIVITIES
324 PETROLEUM & COAL PRODUCTS MANUFACTURING
325 CHEMICAL MANUFACTURING
326 PLASTICS & RUBBER PRODUCTS MANUFACTURING (not required if assembly only)
327 NONMETALLIC MINERAL PRODUCTS MANUFACTURING
331 PRIMARY METAL MANUFACTURING
332 FABRICATED METAL PRODUCT MANUFACTURING (not required if assembly only)
333 MACHINERY MANUFACTURING (not required if assembly only)
334 COMPUTER & ELECTRONIC PRODUCT MANUFACTURING (not required if assembly only)
335 ELECTRICAL EQUIPMENT, APPLIANCE & COMPONENT MFG (not required if assembly only)
336 TRANSPORTATION EQUIPMENT MANUFACTURING
337 FURNITURE & RELATED MFG (if finishing occurs on site)
339 MISCELLANEOUS MANUFACTURING (only required if hazardous materials are involved)
42311 AUTOMOBILE & OTHER MOTOR VEHICLE MERCHANT WHOLESALERS (if service bays present)
42314 MOTOR VEHICLE PARTS (USED) MERCHANT WHOLESALERS
4235 METAL & MINERAL MERCHANT WHOLESALER
42393 RECYCLABLE MATERIAL MERCHANT WHOLESALER
4246 CHEMICAL & ALLIED PRODUCTS MERCHANT WHOLESALERS
4247 PETROLEUM & PETROLEUM PRODUCTS MERCHANT WHOLESALERS
441 MOTOR VEHICLE AND PARTS DEALERS (if service bays present)
447 GASOLINE STATIONS
45431 FUEL DEALERS (not required for propane or firewood dealers)
481 AIR TRANSPORTATION
482 RAIL TRANSPORTATION
484 TRUCKING (if service bays, truck washing, or fuel tanks present)
486 PIPELINE TRANSPORTATION
488 SUPPORT ACTIVITIES FOR TRANSPORTATION (if fuel tanks are present or if repairs or maintenance is performed on site)
53212 TRUCK, UTILITY TRAILER, AND RV (RECREATIONAL VEHICLE) RENTAL & LEASING (if repairs, maintenance or vehicle washing are performed onsite)
53241 CONSTRUCTION, TRANSPORTATION, MINING & FORESTRY MACHINERY & EQUIPMENT RENTAL & LEASING (if repairs, maintenance or vehicle washing are performed onsite)
53249 OTHER COMMERCIAL & INDUSTRIAL MACHINERY & EQUIPMENT RENTAL & LEASING (if repairs, maintenance or vehicle washing are performed onsite)
54138 TESTING LABORATORIES
56171 EXTERMINATING & PEST CONTROL SERVICES
562 WASTE MANAGEMENT & REMEDIATION SERVICES
6221 GENERAL MEDICAL & SURGICAL HOSPITALS (if fuel tanks are present)
713990 OTHER RECREATIONAL INDUSTRIES (indoor and outdoor shooting ranges only)
71391 GOLF COURSES & COUNTRY CLUBS
71392 SKIING FACILITIES
71393 MARINAS
7212 RV (REC. VEHICLES) PARKS & RECREATIONAL CAMPS (if fuel tanks are present or if vehicle repair or maintenance is performed onsite)
8111 AUTOMOTIVE REPAIR & MAINTENANCE (except for "car wash only" facilities, which can start with a Transaction Screen)
8112 ELECTRONIC & PRECISION EQUIPMENT REPAIR & MAINTENANCE (not required if assembly only)
8113 COMMERCIAL & INDUSTRIAL MACHINERY & EQUIPMENT REPAIR & MAINTENANCE
8122 DEATH CARE SERVICES (unless no embalming or cremation at the Project Area)
8123 LAUNDRY & DRY CLEANING SERVICES (if dry cleaning operations have ever existed on site)
812921 PHOTOFINISHING LABORATORIES (except one hour)

"Records Search with Risk Assessment" means and includes **(1)** a search of the government databases identified in 40 CFR § 312.265 for an AAI compliant Phase I as well as a search of historical use records (for example, aerial photography, city directories, reverse directories and/or fire insurance maps) pertaining to the Project Area and Adjoining Properties; and **(2)** a risk assessment by an Environmental Professional based on the results of the records search as to whether the Project Area is either "high risk" or "low risk" for Contamination.

A **Phase I** should always be obtained if the business sells, supplies or dispenses fuel, gasoline, heating oil or liquefied petroleum (lp) gas, even if the NAICS code for the business is not identified on this list of environmentally sensitive industries.

For a link to the complete guide of terms for the codes, visit: www.census.gov/eos/www/naics/

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APPENDIX B
ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Owassa Lake - Roseville* *Victoria St N* *Roseville MN*
Project No:	*22422*
Report Type:	*Database Report*
Order No:	*21011200268*
Requested by:	*Sambatek*
Date Completed:	*January 14, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:		*Owassa Lake - Roseville* *Victoria St N Roseville MN*
Project No:		*22422*
Coordinates:		
	Latitude:	*45.02663648*
	Longitude:	*-93.13817862*
	UTM Northing:	*4,985,918.67*
	UTM Easting:	*489,114.46*
	UTM Zone:	*UTM Zone 15T*
Elevation:		*888 FT*

Order Information:

Order No:	*21011200268*
Date Requested:	*January 12, 2021*
Requested by:	*Sambatek*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	**1**	0	-	-	**1**
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA CESQG	Y	0.25	0	**1**	**1**	-	-	**2**
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
PLP	Y	1	0	0	0	0	0	0
DEL PLP	Y	1	0	0	0	0	0	0
MPCA AI	Y	0.5	0	**6**	**3**	**22**	-	**31**
SHWS	Y	0.5	0	0	0	0	-	0
SITE ASSESSMENT	Y	0.25	0	0	**1**	-	-	**1**
SWF/LF	Y	0.5	0	0	0	0	-	0
LCP	Y	0.5	0	0	0	0	-	0
UNPERMITTED LF	Y	0.5	0	0	**1**	0	-	**1**
HIST LUST	Y	0.5	0	0	0	**1**	-	**1**
DEL LUST	Y	0.5	0	0	0	**1**	-	**1**
HIST LAST	Y	0.5	0	**1**	0	0	-	**1**
HIST LEAKSITES	Y	0.5	0	**1**	0	**4**	-	**5**
LST REM SITE	Y	0.5	0	**2**	0	**4**	-	**6**
LST INCIDENT	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	**1**	**1**	-	-	**2**
AST	Y	0.25	0	0	**1**	-	-	**1**
HIST TANK	Y	0.25	0	0	0	-	-	0
DELISTED TANK	Y	0.5	0	0	**1**	0	-	**1**
INST	Y	0.5	0	0	0	0	-	0
VIC	Y	0.5	0	0	0	**3**	-	**3**
BROWNFIELDS	Y	0.5	0	0	0	**8**	-	**8**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PFAS LF	Y	0.5	0	0	0	0	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
AG SPILLS	Y	0.125	0	0	-	-	-	0
HIST SPL	Y	0.125	0	0	-	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
CDL	Y	PO	0	-	-	-	-	0
FEEDLOTS	Y	0.5	0	0	0	0	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Total:			0	**13**	**9**	**43**	0	**65**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	MPCA AI	Michael Heffernan	893 County Road C2 W Roseville MN 55113	N	0.03 / 162.59	22	26
2	MPCA AI	Barrels Found	CSLL: Center of Site Roseville MN 55113	NE	0.08 / 404.46	28	26
3	MPCA AI	Keystone Roseville	2750 Victoria St N Roseville MN 55113	SSW	0.12 / 626.86	22	27
3	RCRA LQG	KEYSTONE ROSEVILLE	2750 VICTORIA ST N ROSEVILLE MN 55113 ***EPA Handler ID:*** MNS000168773	SSW	0.12 / 626.86	22	27
4	UST	The Estates at Roseville	2727 Victoria St N Roseville MN 55113-3029 ***Tank ID | Tank Status:*** 115052-EQUI0000000002 | Active, 115052-EQUI0000000001 | Removed	SSW	0.12 / 628.63	38	28
4	HIST LAST	Lake Owasso Marina	2774 N Victoria St Roseville MN 55113 ***Tank Site | Active?:*** 6785 | No ***Complete Site Closure Date | Leaksite Type Desc:*** 10/07/1993 00:00:00 | Leak Site	SSW	0.12 / 628.63	38	29
4	HIST LEAKSITES	Lake Ridge Health Care Center	2727 N Victoria St Roseville MN 55113 ***Complete Site Closure Date | Leaksite Type Desc:*** 04/11/2001 00:00:00 | Leak Site	SSW	0.12 / 628.63	38	31
4	MPCA AI	Lake Owasso Marina	2774 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	38	33
4	MPCA AI	The Estates at Roseville	2727 Victoria St N Roseville MN 55113	SSW	0.12 / 628.63	38	33
4	LST REM SITE	Lake Ridge Health Care Center	2727 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	38	34
4	LST REM SITE	Lake Owasso Marina	2774 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	38	35
4	RCRA CESQG	POLARIS PHARMACY	2727 VICTORIA ST N STE ROSEVILLE MN 55113-3029 ***EPA Handler ID:*** MNS000331632	SSW	0.12 / 628.63	38	36

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	MPCA AI	POLARIS PHARMACY	2727 Victoria St N Ste B Roseville MN 55113	SSW	0.12 / 628.63	38	37
5	MPCA AI	Josephine Heights	Address Unknown Roseville MN 55113	NNW	0.19 / 1,025.89	29	37
6	RCRA CESQG	AT & T BROADBAND	934 WOODHILL DR ROSEVILLE MN 55113	SSW	0.20 / 1,058.76	36	38
			EPA Handler ID: MND985755255				
6	AST	AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	36	39
			***Tank ID	Tank Status:*** 25016-EQUI0000000003	Active, 25016-EQUI0000000002	Active			
6	DELISTED TANK	AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	36	41
6	UST	AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	36	41
			***Tank ID	Tank Status:*** 25016-EQUI0000000004	Removed, 25016-EQUI0000000001	Removed			
6	MPCA AI	Lake Owasso School	934 Woodhill Drive Roseville MN 55113	SSW	0.20 / 1,058.76	36	42
6	MPCA AI	AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	36	43
7	UNPERMITTED LF	Barrels Found During Excavation of Base-	See location description Roseville MN 55113	NE	0.23 / 1,206.00	42	43
7	SITE ASSESSMENT	Barrels Found During Excavation of Base-	See location description Roseville MN 55113	NE	0.23 / 1,206.00	42	44
8	HIST LUST	Former Roseville School	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	26	45
			***Complete Site Closure Date	Leaksite Type Desc:*** 02/05/2016 00:00:00	Leak Site				
8	MPCA AI	Former Roseville School	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	26	47
8	BROWNFIELDS	Applewood Pointe of Roseville at Central Park	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	26	47
8	VIC	Applewood Pointe of Roseville	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	26	49

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
8	BROWNFIELDS	Applewood Pointe of Roseville	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	26	50
8	LST REM SITE	Former Roseville School	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	26	51
9	MPCA AI	Applewood Pointe of Roseville at Central Park	2659 Victoria Street Roseville MN 55113	S	0.30 / 1,569.44	22	52
10	MPCA AI	Parkview Estates	2670 Oxford St N Roseville MN 55113	SW	0.31 / 1,613.21	38	52
11	MPCA AI	Lexington Woods	Lexington Avenue North Roseville MN 55113	W	0.31 / 1,658.42	21	53
11	BROWNFIELDS	Lexington Woods	Lexington Avenue North Roseville MN 55113	W	0.31 / 1,658.42	21	53
12	MPCA AI	LEXINGTON VILLAS	Roseville MN 55113	W	0.32 / 1,693.03	17	55
13	MPCA AI	Peoples Plus	2717-2737 Lexington Ave Roseville MN 55113	WSW	0.34 / 1,818.98	46	55
13	BROWNFIELDS	Lexington Shoppes	2717-2737 Lexington Ave Roseville MN 55113	WSW	0.34 / 1,818.98	46	56
14	MPCA AI	Arrow Lexington LLC	2775 Lexington Ave N Roseville MN 55113	WSW	0.35 / 1,832.55	42	57
15	MPCA AI	Cherrywood Pointe of Roseville at Lexington	2680 Lexington Ave N Roseville MN 55113	WSW	0.35 / 1,852.98	15	57
15	BROWNFIELDS	Cherrywood Pointe of Roseville	2680 Lexington Avenue North Roseville MN 55113	WSW	0.35 / 1,852.98	15	58
16	HIST LEAKSITES	Carrier Hardware	2700 Lexington Ave N Roseville MN 55113	WSW	0.37 / 1,954.75	47	59
			Complete Site Closure Date* | *Leaksite Type Desc: 06/01/1992 00:00:00 | Leak Site				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
16	MPCA AI	County Cycles Inc	2700 Lexington Ave N Roseville MN 55113	WSW	0.37 / 1,954.75	47	60
16	LST REM SITE	Carrier Hardware	2700 Lexington Ave N Roseville MN 55113	WSW	0.37 / 1,954.75	47	61
17	MPCA AI	2016 Pavement Management Project	Roseville MN 55113	ESE	0.37 / 1,962.92	18	62
18	HIST LEAKSITES	Peoples Plus	2717 Lexington Ave Roseville MN 55113	WSW	0.38 / 1,980.99	50	62
			Complete Site Closure Date | Leaksite Type Desc: 10/21/1996 00:00:00 | Leak Site				
18	MPCA AI	Roseville Freeway	2717 Lexington Ave N Roseville MN 55113	WSW	0.38 / 1,980.99	50	64
18	LST REM SITE	Peoples Plus	2717 Lexington Ave Roseville MN 55113	WSW	0.38 / 1,980.99	50	65
19	MPCA AI	Silver Lake Village	Address Unknown Saint Anthony MN 55421	SE	0.38 / 2,016.85	56	66
20	MPCA AI	Roseville Chiropractor Clinic	2725 Lexington Ave N Roseville MN 55113	WSW	0.39 / 2,047.93	44	66
21	HIST LEAKSITES	Oasis Market	2719 N Lexington Ave Roseville MN 55113	WSW	0.40 / 2,138.16	48	67
			Complete Site Closure Date | Leaksite Type Desc: Leak Site				
21	MPCA AI	Clark Station	2719 N Lexington Ave Roseville MN 55113	WSW	0.40 / 2,138.16	48	68
21	DEL LUST	Oasis Market	2719 N Lexington Ave Roseville MN	WSW	0.40 / 2,138.16	48	69
22	MPCA AI	City Of Roseville Fire Station #1	2701 N Lexington Ave Roseville MN 55113	WSW	0.41 / 2,155.79	49	69
22	MPCA AI	Roseville Fire Station	Address Unknown Roseville MN 55113	WSW	0.41 / 2,155.79	49	69
23	MPCA AI	Cherrywood Pointe at Lexington South	2656 Lexington Avenue North Roseville MN 55113	WSW	0.43 / 2,286.31	35	70

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	VIC	Cherrywood Pointe at Lexington South	2656 Lexington Avenue North Roseville MN 55113	WSW	0.43 / 2,286.31	35	70
23	BROWNFIELDS	Cherrywood Pointe at Lexington South	2656 Lexington Avenue North Roseville MN 55113	WSW	0.43 / 2,286.31	35	71
24	HIST LEAKSITES	City Of Roseville-maint Garage	1140 W Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	44	72
			***Complete Site Closure Date	Leaksite Type Desc:*** 04/19/1990 00:00:00 | Leak Site			
24	MPCA AI	Roseville city of	1140 Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	44	74
24	MPCA AI	City Of Roseville Maintenance Garage	1140 W Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	44	74
24	MPCA AI	Roseville city of	1140 Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	44	75
24	LST REM SITE	City Of Roseville-maint Garage	1140 W Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	44	75
25	VIC	Josephine Woods Development	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	14	76
25	BROWNFIELDS	Josephine Woods	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	14	77
25	MPCA AI	Josephine Woods	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	14	78
25	BROWNFIELDS	Josephine Woods Development	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	14	79
26	MPCA AI	Roseville - Senior Luxury Rentals	Lexington Ave and County Road C NE Corner of Intersection Roseville MN 55113	SW	0.48 / 2,549.11	13	80

Executive Summary: Summary by Data Source

Standard

Federal

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Oct 19, 2020 has found that there are 1 RCRA LQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
KEYSTONE ROSEVILLE	2750 VICTORIA ST N ROSEVILLE MN 55113 ***EPA Handler ID**: MNS000168773*	SSW	0.12 / 626.86	3

RCRA CESQG - RCRA Conditionally Exempt and Very Small Quantity Generators List

A search of the RCRA CESQG database, dated Oct 19, 2020 has found that there are 2 RCRA CESQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
POLARIS PHARMACY	2727 VICTORIA ST N STE ROSEVILLE MN 55113-3029 ***EPA Handler ID**: MNS000331632*	SSW	0.12 / 628.63	4
AT & T BROADBAND	934 WOODHILL DR ROSEVILLE MN 55113 ***EPA Handler ID**: MND985755255*	SSW	0.20 / 1,058.76	6

State

MPCA AI - MPCA Agency Interests

A search of the MPCA AI database, dated Sep 25, 2020 has found that there are 31 MPCA AI site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Michael Heffernan	893 County Road C2 W Roseville MN 55113	N	0.03 / 162.59	1
Barrels Found	CSLL: Center of Site Roseville MN 55113	NE	0.08 / 404.46	2
Keystone Roseville	2750 Victoria St N Roseville MN 55113	SSW	0.12 / 626.86	3

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lake Owasso Marina	2774 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	4
The Estates at Roseville	2727 Victoria St N Roseville MN 55113	SSW	0.12 / 628.63	4
POLARIS PHARMACY	2727 Victoria St N Ste B Roseville MN 55113	SSW	0.12 / 628.63	4
Josephine Heights	Address Unknown Roseville MN 55113	NNW	0.19 / 1,025.89	5
Lake Owasso School	934 Woodhill Drive Roseville MN 55113	SSW	0.20 / 1,058.76	6
AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	6
Former Roseville School	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	8
Applewood Pointe of Roseville at Central Park	2659 Victoria Street Roseville MN 55113	S	0.30 / 1,569.44	9
Parkview Estates	2670 Oxford St N Roseville MN 55113	SW	0.31 / 1,613.21	10
Lexington Woods	Lexington Avenue North Roseville MN 55113	W	0.31 / 1,658.42	11
LEXINGTON VILLAS	Roseville MN 55113	W	0.32 / 1,693.03	12
Peoples Plus	2717-2737 Lexington Ave Roseville MN 55113	WSW	0.34 / 1,818.98	13
Arrow Lexington LLC	2775 Lexington Ave N Roseville MN 55113	WSW	0.35 / 1,832.55	14

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Cherrywood Pointe of Roseville at Lexington	2680 Lexington Ave N Roseville MN 55113	WSW	0.35 / 1,852.98	15
County Cycles Inc	2700 Lexington Ave N Roseville MN 55113	WSW	0.37 / 1,954.75	16
2016 Pavement Management Project	Roseville MN 55113	ESE	0.37 / 1,962.92	17
Roseville Freeway	2717 Lexington Ave N Roseville MN 55113	WSW	0.38 / 1,980.99	18
Silver Lake Village	Address Unknown Saint Anthony MN 55421	SE	0.38 / 2,016.85	19
Roseville Chiropractor Clinic	2725 Lexington Ave N Roseville MN 55113	WSW	0.39 / 2,047.93	20
Clark Station	2719 N Lexington Ave Roseville MN 55113	WSW	0.40 / 2,138.16	21
City Of Roseville Fire Station #1	2701 N Lexington Ave Roseville MN 55113	WSW	0.41 / 2,155.79	22
Roseville Fire Station	Address Unknown Roseville MN 55113	WSW	0.41 / 2,155.79	22
Cherrywood Pointe at Lexington South	2656 Lexington Avenue North Roseville MN 55113	WSW	0.43 / 2,286.31	23
Roseville city of	1140 Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	24
Roseville city of	1140 Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	24
City Of Roseville Maintenance Garage	1140 W Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	24

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Josephine Woods	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	25
Roseville - Senior Luxury Rentals	Lexington Ave and County Road C NE Corner of Intersection Roseville MN 55113	SW	0.48 / 2,549.11	26

SITE ASSESSMENT - MPCA Site Assessment Sites

A search of the SITE ASSESSMENT database, dated Nov 13, 2020 has found that there are 1 SITE ASSESSMENT site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Barrels Found During Excavation of Base-	See location description Roseville MN 55113	NE	0.23 / 1,206.00	7

UNPERMITTED LF - Unpermitted Dump Sites

A search of the UNPERMITTED LF database, dated Nov 13, 2020 has found that there are 1 UNPERMITTED LF site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Barrels Found During Excavation of Base-	See location description Roseville MN 55113	NE	0.23 / 1,206.00	7

HIST LUST - Historical Leaking Underground Storage Tanks

A search of the HIST LUST database, dated Nov 1, 2016 has found that there are 1 HIST LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Former Roseville School	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	8
	***Complete Site Closure Date | Leaksite Type Desc**: 02/05/2016 00:00:00 | Leak Site*			

DEL LUST - Deleted Leaking Underground Storage Tanks

A search of the DEL LUST database, dated Jan 5, 2016 has found that there are 1 DEL LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Oasis Market	2719 N Lexington Ave Roseville MN	WSW	0.40 / 2,138.16	21

HIST LAST - Historical Leaking Aboveground Storage Tanks

A search of the HIST LAST database, dated Nov 1, 2016 has found that there are 1 HIST LAST site(s) within approximately 0.50 miles

of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lake Owasso Marina	2774 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	4
	***Tank Site | Active?**: 6785 | No* ***Complete Site Closure Date | Leaksite Type Desc**: 10/07/1993 00:00:00 | Leak Site*			

HIST LEAKSITES - Historical Leak Sites

A search of the HIST LEAKSITES database, dated Nov 1, 2016 has found that there are 5 HIST LEAKSITES site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lake Ridge Health Care Center	2727 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	4
	***Complete Site Closure Date | Leaksite Type Desc**: 04/11/2001 00:00:00 | Leak Site*			
Carrier Hardware	2700 Lexington Ave N Roseville MN 55113	WSW	0.37 / 1,954.75	16
	***Complete Site Closure Date | Leaksite Type Desc**: 06/01/1992 00:00:00 | Leak Site*			
Peoples Plus	2717 Lexington Ave Roseville MN 55113	WSW	0.38 / 1,980.99	18
	***Complete Site Closure Date | Leaksite Type Desc**: 10/21/1996 00:00:00 | Leak Site*			
Oasis Market	2719 N Lexington Ave Roseville MN 55113	WSW	0.40 / 2,138.16	21
	***Complete Site Closure Date | Leaksite Type Desc**: Leak Site*			
City Of Roseville-maint Garage	1140 W Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	24
	***Complete Site Closure Date | Leaksite Type Desc**: 04/19/1990 00:00:00 | Leak Site*			

LST REM SITE - MPCA Remediation Leak Sites

A search of the LST REM SITE database, dated Nov 13, 2020 has found that there are 6 LST REM SITE site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lake Owasso Marina	2774 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	4
Lake Ridge Health Care Center	2727 N Victoria St Roseville MN 55113	SSW	0.12 / 628.63	4
Former Roseville School	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	8

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Carrier Hardware	2700 Lexington Ave N Roseville MN 55113	WSW	0.37 / 1,954.75	16
Peoples Plus	2717 Lexington Ave Roseville MN 55113	WSW	0.38 / 1,980.99	18
City Of Roseville-maint Garage	1140 W Woodhill Dr Roseville MN 55113	WSW	0.47 / 2,499.87	24

UST - Underground Storage Tanks

A search of the UST database, dated Nov 13, 2020 has found that there are 2 UST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
The Estates at Roseville	2727 Victoria St N Roseville MN 55113-3029	SSW	0.12 / 628.63	4
	Tank ID* | *Tank Status: *115052-EQUI0000000002* | *Active, 115052-EQUI0000000001* | *Removed*			
AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	6
	Tank ID* | *Tank Status: *25016-EQUI0000000004* | *Removed, 25016-EQUI0000000001* | *Removed*			

AST - Minnesota Above Ground Storage Tanks

A search of the AST database, dated Nov 13, 2020 has found that there are 1 AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	6
	Tank ID* | *Tank Status: *25016-EQUI0000000003* | *Active, 25016-EQUI0000000002* | *Active*			

DELISTED TANK - Delisted Storage Tanks

A search of the DELISTED TANK database, dated Nov 13, 2020 has found that there are 1 DELISTED TANK site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AT & T Broadband	934 Woodhill Dr Roseville MN 55113	SSW	0.20 / 1,058.76	6

VIC - Voluntary Investigation and Cleanup Program List

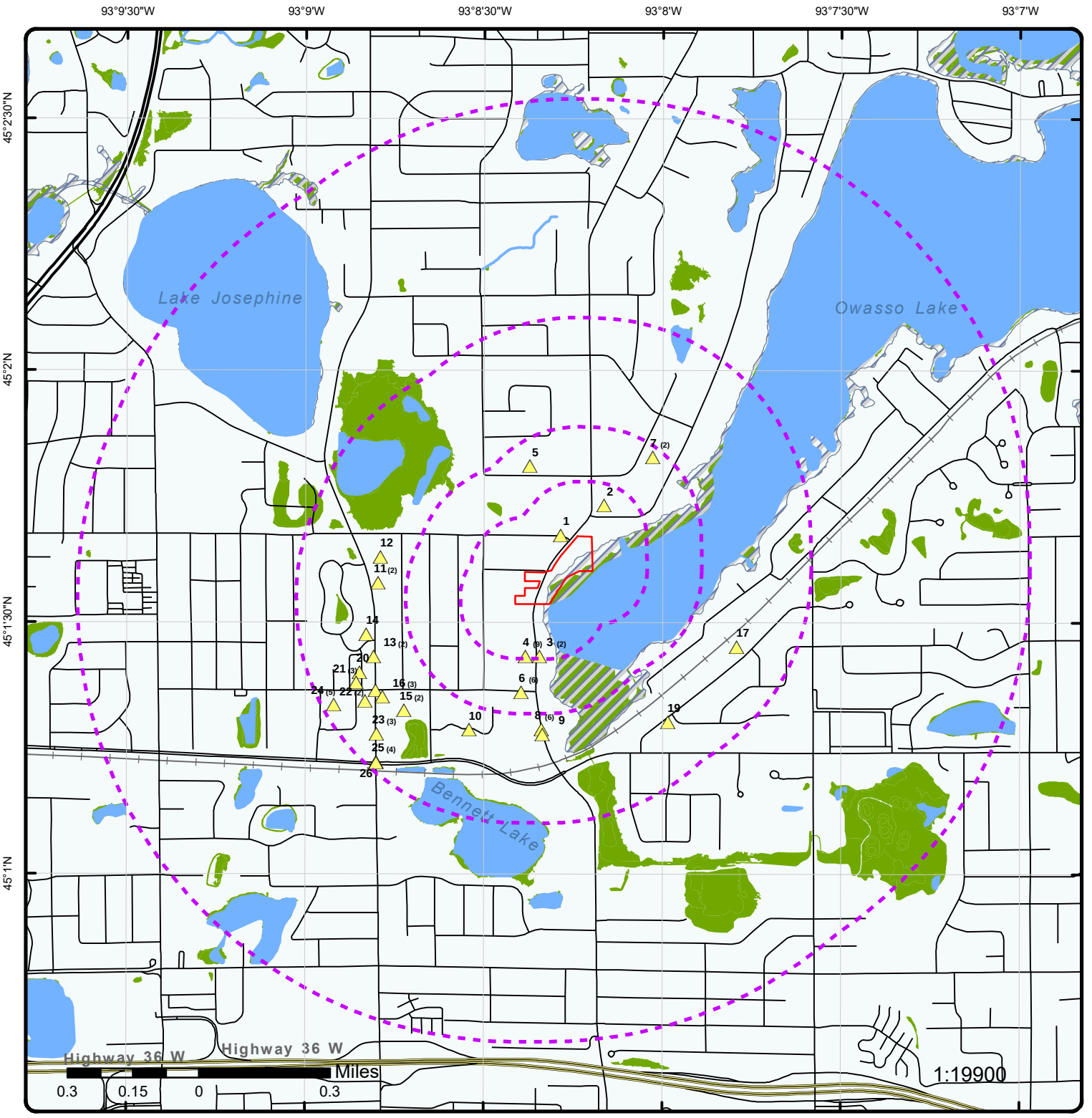
A search of the VIC database, dated Nov 13, 2020 has found that there are 3 VIC site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Applewood Pointe of Roseville	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	8
Cherrywood Pointe at Lexington South	2656 Lexington Avenue North Roseville MN 55113	WSW	0.43 / 2,286.31	23
Josephine Woods Development	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	25

BROWNFIELDS - Petroleum Brownfields Program Sites

A search of the BROWNFIELDS database, dated Nov 13, 2020 has found that there are 8 BROWNFIELDS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Applewood Pointe of Roseville	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	8
Applewood Pointe of Roseville at Central Park	2659 Victoria St N Roseville MN 55113	S	0.29 / 1,509.88	8
Lexington Woods	Lexington Avenue North Roseville MN 55113	W	0.31 / 1,658.42	11
Lexington Shoppes	2717-2737 Lexington Ave Roseville MN 55113	WSW	0.34 / 1,818.98	13
Cherrywood Pointe of Roseville	2680 Lexington Avenue North Roseville MN 55113	WSW	0.35 / 1,852.98	15
Cherrywood Pointe at Lexington South	2656 Lexington Avenue North Roseville MN 55113	WSW	0.43 / 2,286.31	23
Josephine Woods	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	25
Josephine Woods Development	NW of Lexington and County Rd C Roseville MN 55113	SW	0.48 / 2,530.48	25



Map : 1.0 Mile Radius

Order Number: 21011200268

Address: Victoria St N, Roseville, MN

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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Map : 0.5 Mile Radius

Order Number: 21011200268

Address: Victoria St N, Roseville, MN

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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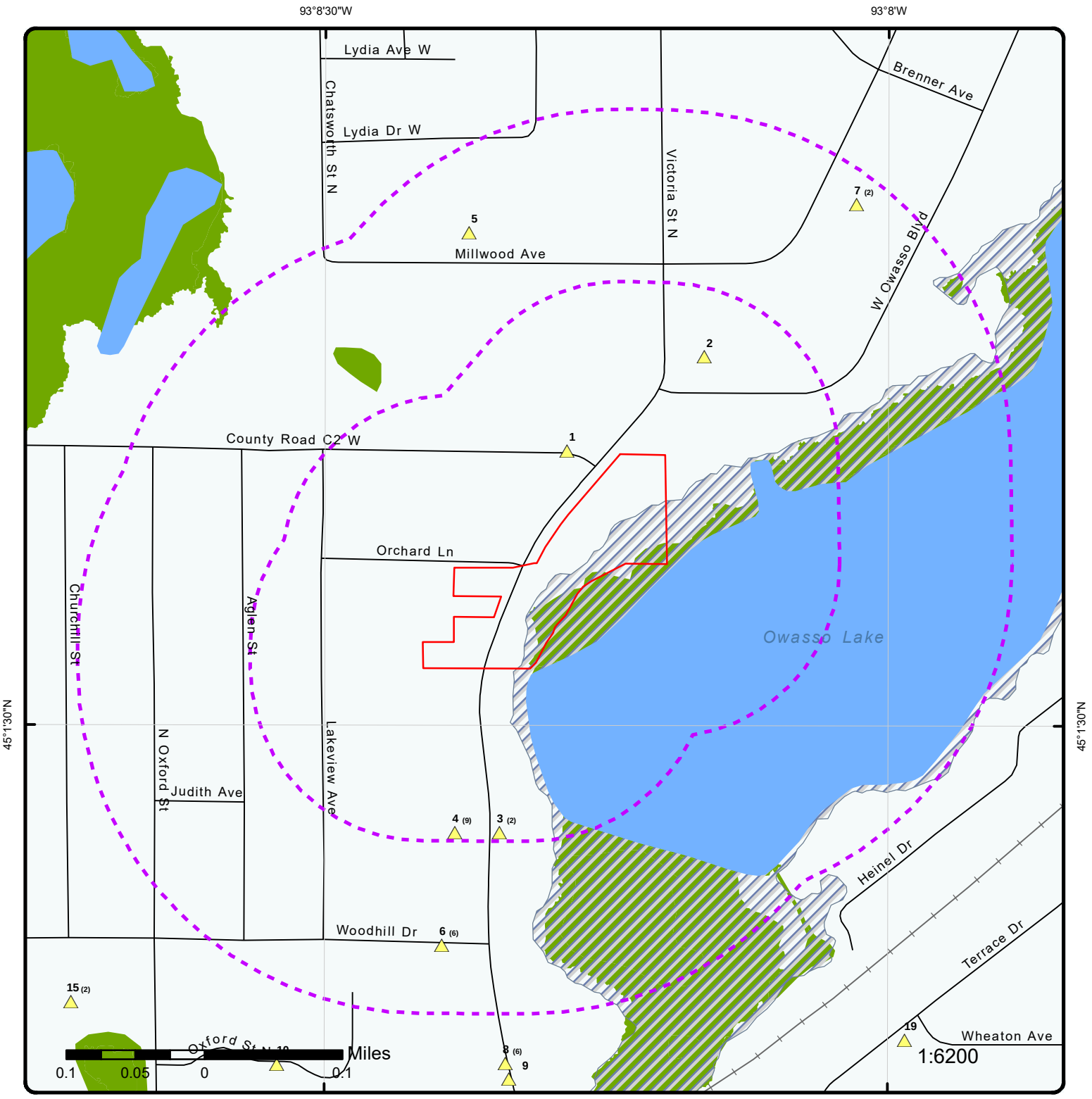


Map : 0.25 Mile Radius

Order Number: 21011200268

Address: Victoria St N, Roseville, MN

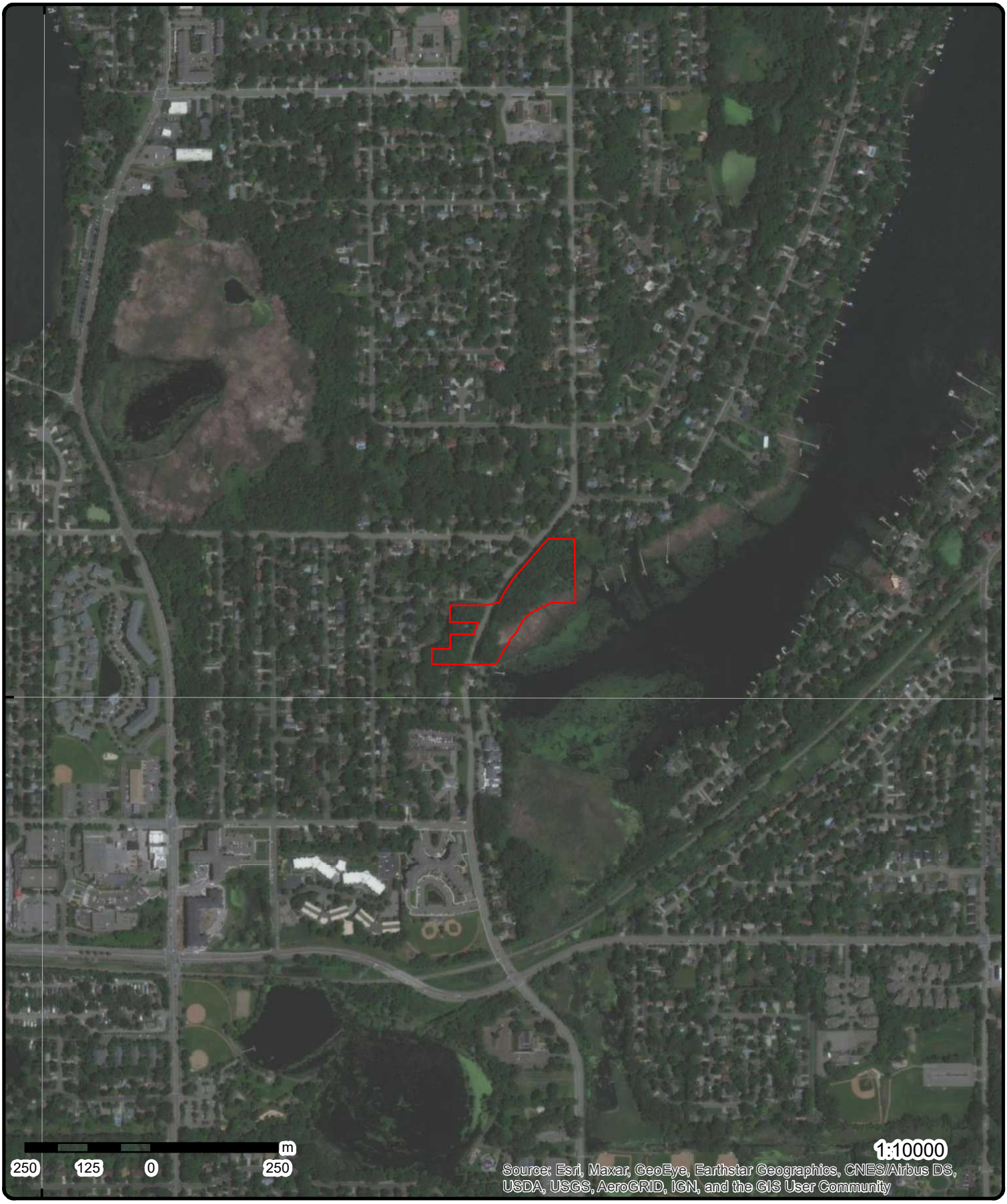
ENVIRONMENTAL RISK INFORMATION SERVICES

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.

93°9'W



Aerial **Year: 2015**

Address: Victoria St N, Roseville, MN

Source: ESRI World Imagery

Order Number: 21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

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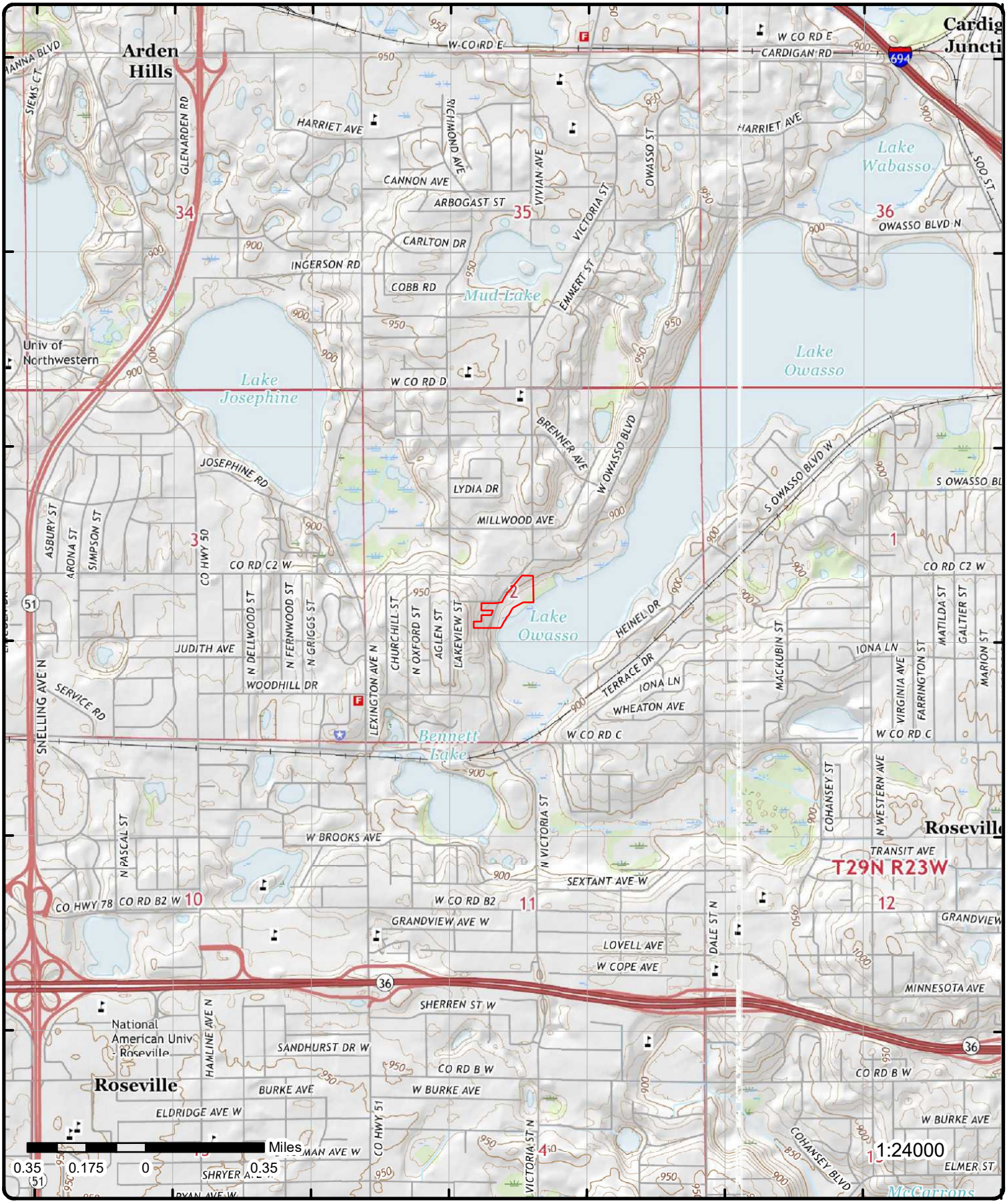

Topographic Map

Year: 2016

Order Number: 21011200268

Address: Victoria St N, MN

Quadrangle(s): New Brighton,MN; Saint Paul West,MN; Saint Paul East,MN; White Bear Lake West,MN

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	N	0.03 / 162.59	909.71 / 22	Michael Heffernan 893 County Road C2 W Roseville MN 55113	MPCA AI

Item ID:	235050-AISI0000235050	**County Code:**	123
Agency Interest ID:	235050	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:		**House District:**	42B
MPCA Program Desc:		**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	235050	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	19-Jun-2020	**PLS Range:**	
Tmsp Creat:	19-Jun-2020	**PLS Range Direction:**	
User Creat:	ceidem	**PLS Section:**	
Tmsp Updt:	19-Jun-2020	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.02815509
Spatial ID:		**Longitude:**	-93.13805355
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	NE	0.08 / 404.46	916.26 / 28	Barrels Found CSLL: Center of Site Roseville MN 55113	MPCA AI

Item ID:	195264-AISI0000195264	**County Code:**	123
Agency Interest ID:	195264	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	SA	**House District:**	42B
MPCA Program Desc:	Site Assessment	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	195264	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	02923202ac
Verified:	No	**PLS Township:**	029
Collection:	25-Apr-2016	**PLS Range:**	23
Tmsp Creat:	09-Nov-2005	**PLS Range Direction:**	W
User Creat:	DELTA_M_R2	**PLS Section:**	02
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	ac
User Updt:	spatial_	**Latitude:**	45.02886998
Spatial ID:	50644424	**Longitude:**	-93.13605797
Method Code:	I1	**Method Desc:**	Digitized-DRG

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Subject Item Category Desc: Agency Interest
Location Description: CSLL: Center of Site *** Note:many records provided by the department have a truncated LOC_DESC field.

---

3 | **1 of 2** | **SSW** | **0.12 / 626.86** | **910.38 / 22** | **Keystone Roseville**
2750 Victoria St N
Roseville MN 55113 | **MPCA AI**

Item ID:	131191-AISI0000131191	**County Code:**	123
Agency Interest ID:	131191	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	HW	**House District:**	42B
MPCA Program Desc:	Hazardous Waste	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	131191	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Sep-2015	**PLS Range:**	
Tmsp Creat:	13-May-2011	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.0244768
Spatial ID:	60056838	**Longitude:**	-93.1392015
Method Code:	A1	**Method Desc:**	Address Matching House Number

Subject Item Category Desc: Agency Interest
Location Description:

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3 | **2 of 2** | **SSW** | **0.12 / 626.86** | **910.38 / 22** | **KEYSTONE ROSEVILLE**
2750 VICTORIA ST N
ROSEVILLE MN 55113 | **RCRA LQG**

EPA Handler ID: MNS000168773
Gen Status Universe: Large Quantity Generator
Contact Name: SCOTT MCCUTCHEON
Contact Address: 7625 GOLDEN TRIANGLE DR STE T, , EDEN PRAIRIE, MN, 55344,
Contact Phone No and Ext: 651-955-9857
Contact Email: MOVACZYK@NPSENIORLIVING.COM
Contact Country:
County Name: RAMSEY
EPA Region: 05
Land Type:
Receive Date: 20191231

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No

Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20191231
Handler Name:	KEYSTONE ROSEVILLE
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Implementer

Waste Code Details

Hazardous Waste Code:	U
Waste Code Description:	Unknown Waste

---

4 | ***1 of 9*** | ***SSW*** | ***0.12 / 628.63*** | ***925.82 / 38*** | ***The Estates at Roseville
2727 Victoria St N
Roseville MN 55113-3029*** | ***UST***

AI ID:	115052	**AI Name(Map):**	The Estates at Roseville
Tank Type:	Underground Storage Tank System	**Address1(Map):**	2727 N VICTORIA ST
AI Name:	The Estates at Roseville	**Address2(Map):**	
Address1:	2727 Victoria St N	**City(Map):**	ROSEVILLE
Address2:		**State(Map):**	MN
Address3:		**Zip(Map):**	55113
City:	Roseville	**Owner:**	Diane Willette
County:	Ramsey	**Owner Address:**	2727 Victoria St N
State:	MN	**Owner City:**	Roseville
Zip:	55113-3029	**Owner State:**	MN
Location Description:		**Owner Zip:**	551133029
Data Source:	Minnesota Pollution Control Agency Tank Sites;Minnesota Pollution Control Agency Regulated Tank Systems		

Tank Information

Tank Site ID:	TS0003260	**Status Change Date:**	5/10/2010
Tank ID:	115052-EQUI0000000002	**Latitude:**	45.01166307
Tank Status:	Active	**Longitude:**	-93.15922345
Install Date:	5/19/1995	**Contractor of Tank:**	
Primary Naics:	623110 - Nursing Care Facilities (Skilled Nursing Facilities)		
Primary Sic:			
Subject Item Description:	4,000 gal/Diesel/Active		
Tanks Url:	https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0003260		
Coord Collect Meth Desc:	Public Land Survey-Two Quarter		

Compartment Information

Compartment ID:	115052-EQUI0000000002-1	**Programs:**	UT
Compartment No:	1	**Capacity (gal):**	4000
Tank Wall Type:	Single	**Cathodic Prot Sys:**	Anode
Tank Material:	STI-P3	**Special Use Desc:**	Heating
Subject Item Designation:	1		
Overfill Prevention System:	UST Ballfloat		

Pipe Information

Pipe Wall Type: Single
Pipe Leak Detection: SSP
Pipe Material: Coated steel
Pipe Corrosion Protection: Anode
Stored Product: Diesel
Tank Leak Detection: UST Automatic tank gauging
Vapor Recovery Flag: No

Tank Information

Tank Site ID: TS0003260
Tank ID: 115052-EQUI0000000001
Tank Status: Removed
Install Date: 12/31/1899
Primary Naics: 623110 - Nursing Care Facilities (Skilled Nursing Facilities)
Primary Sic:
Subject Item Description: 10,000 gal/Fuel Oil/Removed
Tanks Url: https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0003260
Coord Collect Meth Desc: Public Land Survey-Two Quarter
Status Change Date: 11/14/1994
Latitude: 45.01166307
Longitude: -93.15922345
Contractor of Tank:

Compartment Information

Compartment ID: 115052-EQUI0000000001-1
Compartment No: 1
Tank Wall Type: Single
Tank Material: Bare/Paint/Asph Coat Steel
Subject Item Designation: 444
Overfill Prevention System: UST Not needed
Programs: UT
Capacity (gal): 10000
Cathodic Prot Sys: Not needed
Special Use Desc: Heating

Pipe Information

Pipe Wall Type: Single
Pipe Leak Detection: SSP
Pipe Material: Steel/Iron
Pipe Corrosion Protection: None
Stored Product: Fuel Oil
Tank Leak Detection: UST Not needed
Vapor Recovery Flag: No

MPCA Map Regulated Tank Systems

Item ID: 115052-EQUI0000000002
AI ID: 115052
Int Doc ID: 0
Spatial ID:
SI Type: USTS
SI Cat: EQUI
SI ID: 2
SI Cat Desc: Equipment
Si Type Desc: Underground Storage Tank System
SI Designation: 001
Status Desc: Active
Status Date: 5/9/2010 8:00 PM
Install Date: 5/18/1995 8:00 PM
AI Prg Code: UT
AI Program: Underground Tanks
Compartments: 1
Substance: Diesel
Capacity: 4000
Overfill Prevent Desc: UST Ballfloat
Loc Desc:
County: Ramsey
Description: 4,000 gal/Diesel/Active
Latitude: 45.01166307
Longitude: -93.15922345
Ctu Name: Roseville
Cong Dist: 4
House Dist: 66A
Senate Dist: 66
Huc8: 07010206
Huc8 Name: Mississippi River - Twin Cities
Huc10: 0701020608
Huc12: 070102060801
Huc12 Name: Vadnais Lake
Dwsma Code:
Dwsma Name:
Trdsqq:
Pls Twsp:
Range :
Range Dir:
Section:
Quarters:
Method Desc: Public Land Survey-Two Quarter
Ref Desc: General Location

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of 9	SSW	0.12 / 628.63	925.82 / 38	Lake Owasso Marina 2774 N Victoria St Roseville MN 55113	HIST LAST

Prog Int ID:	219415	***Address Source:***	CORE
Site ID:	243514	***Township Name:***	White Bear
State County Code:	62	***County Name:***	Ramsey
Country:	USA	***Lat/Long ID:***	131182
Interest Type Cd:	LS	***Interest Type Dsc:***	Leak Site
ADDR ID:	266443	***Lat Degrees:***	45
Tank Site:	6785	***Lat Minutes:***	1
Interest Phone:	NO CORE PI PH.	***Lat Seconds:***	28
Interest Start Dt:	06/17/1996 00:00:00	***Long Degrees:***	-93
Interest End Dt:	11/17/2006 08:17:23	***Long Minutes:***	8
Active?:	No	***Long Seconds:***	21.12
Timestamp Added:	11/17/2006 08:17:23	***Lat/Long Source:***	CORE
Timestamp Updt:	11/10/2014 08:17:05	***Lat/Long Site ID:***	243514
Staff ID Updt:	RGAGLE	***Lat/Long Spatial ID:***	51754403
Source:	CORE	***Collection Date:***	03/30/2010 19:00:16
Coord Src Type:		***Map Scale Code:***	
Coord Src Desc:		***Org Name Source:***	
Foreign State:		***Foreign Zone:***	
FIPS County Cd1:	123		

Addr Timestmp Add:	11/17/2006 08:17:03
Addr Timestamp Lst Updt:	11/04/2008 21:13:55
Addr Updater Staff ID:	SYSTEM
Lat/Long Timestamp Added:	11/17/2006 08:17:30
Lat/Long Tmstmp Last Upd:	03/30/2010 19:28:33
Lat/Long Updater Staff ID:	MAPT_NC
Lat/Long Desc:	
Coord Coll Method Desc:	Address Matching House Number
Coord Coll Method Code:	A1
Comments:	

Leak Site

Complete Site Closure Date:	10/07/1993 00:00:00
Cond Closure Date:	
Release Discovered Date:	09/21/1993 00:00:00
Leaksite Type Code:	1
Leaksite Type Desc:	Leak Site
Leak Report Date:	09/21/1993 00:00:00
Tank Reg Status Code:	N
TMSP Added:	12/04/1999 14:03:48
TMSP Last Updt:	05/04/2002 09:22:52
CU Yds Excavated Qty:	5
ENF Action Begin Date:	09/28/1993 00:00:00
Residence Type Code:	
File Archive Box:	03
File Archive Lot:	96/307
Soil Digout Date:	09/28/1993 00:00:00
Staff ID Last Updt:	TANKS
Std Letter Response Date:	
VPIC Acres:	
VPIC Application Date:	
Contam Soils Remaining Flag:	N
Indoor Air Collected Flag:	
LUST Trust Eligible Flag:	No
Offsite Contam Flag:	N
REIMB Awarded Flag:	No
Release From AST Flag:	Yes
Release From UST Flag:	No
Soil Gas Action Level Flag:	
Soil Gas Data Collected Flag:	
Sub Slab Sample Collected Flag:	
Surface Water Impact Flag:	N
Utility Project Flag:	No
Vapor Intrusion Action Flag:	
Vapor Intrusion Checked Flag:	
Leaksite Type Defn:	Leak site (tank and petroleum contamination).
Soil Gas Data Comments:	

Vapor Intrusion Comments:

Leak Product Release

Product Rls Seq ID: 321754
Leak Product Desc: Gasoline, Type Unknown
Leak Product Defn: The product is an unknown type of gasoline.

Leak GW Info

Well Type Code:
Affected Non Res Props:
Affected Residential Props:
Staff ID Last Updt: RSUCHAN
Staff ID Wellhead Area Assess:
TMSP Added: 12/04/1999 14:07:31
TMSP Last Updt: 11/04/2003 12:57:07
Water Supply Exceeds Ral Flag:
Cleanup Goal Achieved Flag:
DW Supply Contam Flag: N
Free Product at Close Flag:
Free Product Observed Flag: N
Free Product Thickness:
Ground Water Contam Flag: Y
GW Cleanup Goal: 0
GW Exceeds Cleanup Goal Flag: No
Impacted Aquifer Code:
MTBE High Level Date:
MTBE High Ug Per Liter Char:
MTBE High Ug Per Liter Numb:
MTBE Present Historically Flag:
MTBE Present Now Flag:
Protected Area Flag:
PWS Well Impacted Flag:
Sensitive Area Flag:

4	3 of 9	SSW	0.12 / 628.63	925.82 / 38	Lake Ridge Health Care Center 2727 N Victoria St Roseville MN 55113	HIST LEAKSITES

Prog Int ID: 220538
Site ID: 216130
State County Code: 62
Country: USA
Interest Type Cd: LS
ADDR ID: 267556
Tank Site: 7943
Interest Phone: NO CORE PI PH.
Interest Start Dt: 09/30/1999 00:00:00
Interest End Dt: 11/21/2006 08:01:30
Active?: No
Timestamp Added: 11/21/2006 08:01:30
Timestamp Updt: 11/10/2014 08:17:06
Staff ID Updt: RGAGLE
Source: CORE
Coord Src Type:
Coord Src Desc:
Foreign State:
FIPS County Cd1: 123
Addr Timestmp Add: 08/29/2006 07:03:47
Addr Timestamp Lst Updt: 03/21/2011 09:09:45
Addr Updater Staff ID: BOLSON1
Lat/Long Timestamp Added: 03/29/2010 18:56:23
Lat/Long Tmstmp Last Upd: 03/21/2011 18:12:43

Address Source: CORE
Township Name: White Bear
County Name: Ramsey
Lat/Long ID: 168940
Interest Type Dsc: Leak Site
Lat Degrees: 45
Lat Minutes: 1
Lat Seconds: 22.81
Long Degrees: -93
Long Minutes: 8
Long Seconds: 21.45
Lat/Long Source: CORE
Lat/Long Site ID: 216130
Lat/Long Spatial ID: 51821032
Collection Date: 03/21/2011 18:01:50
Map Scale Code:
Org Name Source:
Foreign Zone:

Lat/Long Updater Staff ID:	MAPT_NC
Lat/Long Desc:	
Coord Coll Method Desc:	Address Matching House Number
Coord Coll Method Code:	A1
Comments:	status wakeup letter. July 2000\n\n01/22/2001. agreed to advance geoprobes.

Leak Site

Complete Site Closure Date:	04/11/2001 00:00:00
Cond Closure Date:	
Release Discovered Date:	10/11/1994 00:00:00
Leaksite Type Code:	1
Leaksite Type Desc:	Leak Site
Leak Report Date:	10/12/1994 00:00:00
Tank Reg Status Code:	U
TMSP Added:	12/04/1999 14:03:49
TMSP Last Updt:	04/01/2016 14:24:31
CU Yds Excavated Qty:	
ENF Action Begin Date:	10/21/1994 00:00:00
Residence Type Code:	
File Archive Box:	
File Archive Lot:	
Soil Digout Date:	
Staff ID Last Updt:	KSERIER
Std Letter Response Date:	
VPIC Acres:	
VPIC Application Date:	
Contam Soils Remaining Flag:	U
Indoor Air Collected Flag:	
LUST Trust Eligible Flag:	No
Offsite Contam Flag:	U
REIMB Awarded Flag:	No
Release From AST Flag:	No
Release From UST Flag:	No
Soil Gas Action Level Flag:	
Soil Gas Data Collected Flag:	
Sub Slab Sample Collected Flag:	
Surface Water Impact Flag:	U
Utility Project Flag:	No
Vapor Intrusion Action Flag:	
Vapor Intrusion Checked Flag:	
Leaksite Type Defn:	Leak site (tank and petroleum contamination).
Soil Gas Data Comments:	
Vapor Intrusion Comments:	

Leak Product Rls

Product Rls Seq ID:	33599
Leak Product Desc:	Fuel Oil 1 & 2
Leak Product Defn:	The product is fuel oil 1 & 2.

Leak GW Info

Well Type Code:	
Affected Non Res Props:	
Affected Residential Props:	
Staff ID Last Updt:	RSUCHAN
Staff ID Wellhead Area Assess:	
TMSP Added:	12/04/1999 14:07:32
TMSP Last Updt:	11/04/2003 12:57:07
Water Supply Exceeds Ral Flag:	No
Cleanup Goal Achieved Flag:	Yes
DW Supply Contam Flag:	N

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Free Product at Close Flag:
Free Product Observed Flag: Y
Free Product Thickness: 1.5
Ground Water Contam Flag: Y
GW Cleanup Goal: 0
GW Exceeds Cleanup Goal Flag: No
Impacted Aquifer Code:
MTBE High Level Date:
MTBE High Ug Per Liter Char:
MTBE High Ug Per Liter Numb:
MTBE Present Historically Flag: N
MTBE Present Now Flag: N
Protected Area Flag:
PWS Well Impacted Flag:
Sensitive Area Flag:

4	4 of 9	SSW	0.12 / 628.63	925.82 / 38	Lake Owasso Marina 2774 N Victoria St Roseville MN 55113	MPCA AI

Item ID: 187292-AISI0000187292
Agency Interest ID: 187292
Status: Active
Status Dat:
Document ID: 0
Program: PR
MPCA Program Desc: Petroleum Remediation
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 187292
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 25-Apr-2016
Tmsp Creat: 17-Nov-2006
User Creat: DELTA_M_R2
Tmsp Updt: 26-Apr-2016
User Updt: spatial_
Spatial ID: 51754402
Method Code: A1
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020608
HUC12: 070102060801
HUC12 Name: Vadnais Lake
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.0244444
Longitude: -93.1392013
Method Desc: Address Matching House Number

4	5 of 9	SSW	0.12 / 628.63	925.82 / 38	The Estates at Roseville 2727 Victoria St N Roseville MN 55113	MPCA AI

Item ID: 115052-AISI0000115052
Agency Interest ID: 115052
Status: Active
Status Dat:
Document ID: 0
Program: HW, PR, UT
MPCA Program Desc: Hazardous Waste, Petroleum Remediation, Underground Tanks
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 115052
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020608
HUC12: 070102060801
HUC12 Name: Vadnais Lake
DWSMA Code:
DWSMA Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	19-Apr-2017	**PLS Range:**	
Tmsp Creat:	29-Aug-2006	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	19-Apr-2017	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.02302124
Spatial ID:	51375582	**Longitude:**	-93.13932039
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

4	6 of 9	SSW	0.12 / 628.63	925.82 / 38	**Lake Ridge Health Care Center** **2727 N Victoria St** **Roseville MN 55113**	**LST** **REM SITE**

Item ID:	115052-AREA0000000001	**Federal Re:**	
Project ID:	LS0007943	**Fed State:**	
Project Type:	Leak Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02300505
Petrol Brownfield?:		**Longitude:**	-93.13929274
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Lake Ridge Health Care Center		
Site Address 1:	2727 N Victoria St		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	A-Jelil Abdella (former)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	115052	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	LEAK	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	0	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801
AI Name:	The Estates at Roseville		
Loc Desc:			
Method Des:	Address Matching House Number		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Vadnais Lake		
Hydrologis:	John Kaehler (no longer at MPCA)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/115052		

Spatial Remediation Activity

AI ID:	115052	**Site Start:**	12-Oct-1994

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID:	LS0007943	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	11-Apr-2001	**NPL List:**	
Leak Discovered:	11-Oct-1994	**NPL Delete:**	
Leak Reported:	12-Oct-1994	**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	
Activity ID:	SIW19940001	**FF Aproved:**	
Activity Type:	Leak Site Investigation	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	1994	**App Comple:**	
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	7 of 9	SSW	0.12 / 628.63	925.82 / 38	Lake Owasso Marina 2774 N Victoria St Roseville MN 55113	LST REM SITE

Item ID:	187292-AREA0000000001	**Federal Re:**	
Project ID:	LS0006785	**Fed State:**	
Project Type:	Leak Site	**Non Reg:**	Yes
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02529841
Petrol Brownfield?:		**Longitude:**	-93.13929462
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			

Project Name:	Lake Owasso Marina
Site Address 1:	2774 N Victoria St
Site Address 2:	
Site City:	Roseville
Site State:	MN
Site Zip:	55113
Site County:	Ramsey
Project Name(RAP):	
Address1 (RAP):	
Address2(RAP):	
City (RAP):	
State (RAP):	
Zip (RAP):	
Project Ma:	Dawn Duncanson-Davison (no longer at MPCA)
Data Source:	MPCA Remediation Sites

Remediation Sites Details

Activity ID:	187292	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	LEAK	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	0	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801

AI Name:	Lake Owasso Marina
Loc Desc:	
Method Des:	Address Matching House Number
Huc8 Name:	Mississippi River - Twin Cities
Huc12 Name:	Vadnais Lake
Hydrologis:	John Kaehler (no longer at MPCA)
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/187292

Spatial Remediation Activity

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

AI ID:	187292	**Site Start:**	21-Sep-1993
Site ID:	LS0006785	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	07-Oct-1993	**NPL List:**	
Leak Discovered:	21-Sep-1993	**NPL Delete:**	
Leak Reported:	21-Sep-1993	**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	
Activity ID:	SIW19930001	**FF Aproved:**	
Activity Type:	Leak Site Investigation	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	1993	**App Comple:**	
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	8 of 9	SSW	0.12 / 628.63	925.82 / 38	POLARIS PHARMACY 2727 VICTORIA ST N STE ROSEVILLE MN 55113-3029	RCRA CESQG

EPA Handler ID:	MNS000331632
Gen Status Universe:	VSG
Contact Name:	DUSTIN KAKACH
Contact Address:	4220 PARK GLEN RD, , SAINT LOUIS PARK, MN, 55416-4758,
Contact Phone No and Ext:	888-888-7109
Contact Email:	DKAKACH@POLARISRX.COM
Contact Country:	
County Name:	RAMSEY
EPA Region:	05
Land Type:	
Receive Date:	20190816

Violation/Evaluation Summary

Note:	NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190816
Handler Name:	POLARIS PHARMACY
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Waste Code Details

Hazardous Waste Code: U
Waste Code Description: Unknown Waste

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	9 of 9	SSW	0.12 / 628.63	925.82 / 38	POLARIS PHARMACY 2727 Victoria St N Ste B Roseville MN 55113	MPCA AI

Item ID: 231881-AISI0000231881
Agency Interest ID: 231881
Status: Active
Status Dat:
Document ID: 0
Program: HW
MPCA Program Desc: Hazardous Waste
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 231881
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 16-Aug-2019
Tmsp Creat: 16-Aug-2019
User Creat: swright1
Tmsp Updt: 16-Aug-2019
User Updt: geo_nc
Spatial ID:
Method Code: A1
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020608
HUC12: 070102060801
HUC12 Name: Vadnais Lake
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.02347673
Longitude: -93.13976997
Method Desc: Address Matching House Number

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of 1	NNW	0.19 / 1,025.89	916.50 / 29	Josephine Heights Address Unknown Roseville MN 55113	MPCA AI

Item ID: 141974-AISI0000141974
Agency Interest ID: 141974
Status: Active
Status Dat:
Document ID: 0
Program: CS
MPCA Program Desc: Construction Stormwater
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 141974
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 27-Sep-2015
Tmsp Creat: 25-Jul-2013
User Creat: DELTA_M_R1
Tmsp Updt: 26-Apr-2016
User Updt: spatial_
Spatial ID: 66599135
Method Code: DP
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020603
HUC12: 070102060306
HUC12 Name: Long Lake-Rice Creek
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.03017
Longitude: -93.13954
Method Desc: Digitized - MPCA online map

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 6	SSW	0.20 / 1,058.76	923.93 / 36	AT & T BROADBAND 934 WOODHILL DR ROSEVILLE MN 55113	RCRA CESQG

EPA Handler ID: MND985755255
Gen Status Universe: VSG
Contact Name: JERRY DAVERN
Contact Address: 10 RIVER PARK PLAZA, , ST. PAUL, MN, 55107, US
Contact Phone No and Ext: 651-493-5464
Contact Email:
Contact Country: US
County Name: RAMSEY
EPA Region: 05
Land Type: Private
Receive Date: 19931228

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19931228
Handler Name: AT & T BROADBAND
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	10 RIVER PARK PLAZA
Name:	COMCAST CABLE	***Street 2:***	
Date Became Current:	19990726	***City:***	ST. PAUL
Date Ended Current:		***State:***	MN
Phone:	651-493-5464	***Country:***	US
Source Type:	Notification	***Zip Code:***	55107
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	2600 GRAND AVE STE 301
Name:	NEW HERITAGE ASSOC	***Street 2:***	
Date Became Current:		***City:***	DES MOINES
Date Ended Current:		***State:***	IA
Phone:	800-833-1750	***Country:***	
Source Type:	Notification	***Zip Code:***	50312

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	2 of 6	SSW	0.20 / 1,058.76	923.93 / 36	AT & T Broadband 934 Woodhill Dr Roseville MN 55113	AST

Agency Interest ID:	25016	***AI Name(Map):***	AT & T Broadband
Tank Type:	Aboveground Storage Tank	***Address1(Map):***	934 WOODHILL DR
AI Name:	AT & T Broadband	***Address2(Map):***	
Address1:	934 Woodhill Dr	***City(Map):***	ROSEVILLE
Address2:		***State(Map):***	MN
Address3:		***Zip(Map):***	55113
City:	Roseville	***Owner:***	Comcast of AK FL LA MN MI & TN Inc
County:	Ramsey	***Owner Address:***	10 River Park Plaza
State:	MN	***Owner City:***	Saint Paul
Zip:	55113	***Owner State:***	MN
Location Description:		***Owner Zip:***	55107
Data Source:	Minnesota Pollution Control Agency Tank Sites;Minnesota Pollution Control Agency Regulated Tank Systems		

Tank Information

Tank Site ID:	TS0054019	***Status Change Date:***	10/10/1999
Tank ID:	25016-EQUI0000000003	***Latitude:***	45.01166307
Tank Status:	Active	***Longitude:***	-93.15922345
Install Date:	8/28/1992	***Contractor of Tank:***	
Primary Naics:	238210 - Electrical Contractors and Other Wiring Installation Contractors		
Primary Sic:	1731 - Electrical Work		
Subject Item Description:			
Tanks Url:	https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0054019		
Coord Collect Meth Desc:	Public Land Survey-Two Quarter		

Compartment Information

Compartment ID:	25016-EQUI0000000003-1	***Programs:***	AT
Compartment No:	1	***Capacity (gal):***	300
Tank Wall Type:	Single	***Cathodic Prot Sys:***	
Tank Material:	Carbon steel	***Special Use Desc:***	
Subject Item Designation:	2		
Overfill Prevention System:	AST None		

Pipe Information

Pipe Wall Type:		***Stored Product:***	Diesel Fuel
Pipe Leak Detection:		***Tank Leak Detection:***	
Pipe Material:		***Vapor Recovery Flag:***	
Pipe Corrosion Protection:			

Tank Information

Tank Site ID:	TS0054019	***Status Change Date:***	10/10/1999
Tank ID:	25016-EQUI0000000002	***Latitude:***	45.01166307
Tank Status:	Active	***Longitude:***	-93.15922345
Install Date:	8/28/1992	***Contractor of Tank:***	
Primary Naics:	238210 - Electrical Contractors and Other Wiring Installation Contractors		
Primary Sic:	1731 - Electrical Work		
Subject Item Description:			
Tanks Url:	https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0054019		
Coord Collect Meth Desc:	Public Land Survey-Two Quarter		

Compartment Information

Compartment ID:	25016-EQUI0000000002-1	***Programs:***	AT
Compartment No:	1	***Capacity (gal):***	2000
Tank Wall Type:	Single	***Cathodic Prot Sys:***	
Tank Material:	Carbon steel	***Special Use Desc:***	
Subject Item Designation:	1		
Overfill Prevention System:	AST None		

Pipe Information

Pipe Wall Type:		***Stored Product:***	Fuel Oil #1
Pipe Leak Detection:		***Tank Leak Detection:***	
Pipe Material:		***Vapor Recovery Flag:***	
Pipe Corrosion Protection:			

MPCA Map Regulated Tank Systems

Item ID:	25016-EQUI0000000003	***Latitude:***	45.01166307
AI ID:	25016	***Longitude:***	-93.15922345
Int Doc ID:	0	***Ctu Name:***	Roseville
Spatial ID:		***Cong Dist:***	4
SI Type:	ABOV	***House Dist:***	66A
SI Cat:	EQUI	***Senate Dist:***	66
SI ID:	3	***Huc8:***	07010206
SI Cat Desc:	Equipment	***Huc8 Name:***	Mississippi River - Twin Cities
Si Type Desc:	Aboveground Storage Tank	***Huc10:***	0701020608
SI Designation:	2	***Huc12:***	070102060801
Status Desc:	Active / Existing	***Huc12 Name:***	Vadnais Lake
Status Date:	10/10/1999 6:57 AM	***Dwsma Code:***	
Install Date:		***Dwsma Name:***	
AI Prg Code:	AT	***Trdsqq:***	
AI Program:	Aboveground Tanks	***Pls Twsp:***	
Compartments:		***Range :***	
Substance:	Diesel Fuel	***Range Dir:***	
Capacity:	300	***Section:***	
Overfill Prevent Desc:	AST None	***Quarters:***	
Loc Desc:		***Method Desc:***	Public Land Survey-Two Quarter
County:	Ramsey	***Ref Desc:***	General Location
Description:			

MPCA Map Regulated Tank Systems

Item ID:	25016-EQUI0000000002	***Latitude:***	45.01166307
AI ID:	25016	***Longitude:***	-93.15922345
Int Doc ID:	0	***Ctu Name:***	Roseville
Spatial ID:		***Cong Dist:***	4
SI Type:	ABOV	***House Dist:***	66A
SI Cat:	EQUI	***Senate Dist:***	66
SI ID:	2	***Huc8:***	07010206
SI Cat Desc:	Equipment	***Huc8 Name:***	Mississippi River - Twin Cities
Si Type Desc:	Aboveground Storage Tank	***Huc10:***	0701020608

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SI Designation:	1	**Huc12:**	070102060801
Status Desc:	Active / Existing	**Huc12 Name:**	Vadnais Lake
Status Date:	10/10/1999 6:57 AM	**Dwsma Code:**	
Install Date:		**Dwsma Name:**	
AI Prg Code:	AT	**Trdsqq:**	
AI Program:	Aboveground Tanks	**Pls Twsp:**	
Compartments:		**Range :**	
Substance:	Fuel Oil #1	**Range Dir:**	
Capacity:	2000	**Section:**	
Overfill Prevent Desc:	AST None	**Quarters:**	
Loc Desc:		**Method Desc:**	Public Land Survey-Two Quarter
County:	Ramsey	**Ref Desc:**	General Location
Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	3 of 6	SSW	0.20 / 1,058.76	923.93 / 36	AT & T Broadband 934 Woodhill Dr Roseville MN 55113	DELISTED TANK

Delisted Underground Storage Tanks

Tank Site ID:	TS0003713	**Owner:**	Comcast of AK FL LA MN MI & TN Inc
AI ID:	25016	**Owner Address:**	10 River Park Plaza
Tank Type:	Underground Storage Tank System	**Owner City:**	Saint Paul
Address2:		**Owner State:**	MN
Address3:		**Owner Zip:**	55107
County:	Ramsey		
Location Description:			
Tanks URL:	https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0003713		
Original Source:	UST		
Record Date:	04-SEP-2020		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	4 of 6	SSW	0.20 / 1,058.76	923.93 / 36	AT & T Broadband 934 Woodhill Dr Roseville MN 55113	UST

AI ID:	25016	**AI Name(Map):**	
Tank Type:	Underground Storage Tank System	**Address1(Map):**	
AI Name:	AT & T Broadband	**Address2(Map):**	
Address1:	934 Woodhill Dr	**City(Map):**	
Address2:		**State(Map):**	
Address3:		**Zip(Map):**	
City:	Roseville	**Owner:**	Comcast of AK FL LA MN MI & TN Inc
County:	Ramsey	**Owner Address:**	10 River Park Plaza
State:	MN	**Owner City:**	Saint Paul
Zip:	55113	**Owner State:**	MN
Location Description:		**Owner Zip:**	55107
Data Source:	Minnesota Pollution Control Agency Tank Sites		

Tank Information

Tank Site ID:	TS0003713	**Status Change Date:**	8/19/1992
Tank ID:	25016-EQUI0000000004	**Latitude:**	45.01166307
Tank Status:	Removed	**Longitude:**	-93.15922345
Install Date:	1/1/1951	**Contractor of Tank:**	
Primary Naics:	238210 - Electrical Contractors and Other Wiring Installation Contractors		
Primary Sic:	1731 - Electrical Work		
Subject Item Description:	10,000 gal/Fuel Oil/Removed		
Tanks Url:	https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0003713		
Coord Collect Meth Desc:	Public Land Survey-Two Quarter		

Compartment Information

Compartment ID:	25016-EQUI0000000004-1	**Programs:**	UT

Compartment No:	1	**Capacity (gal):**	10000
Tank Wall Type:	Single	**Cathodic Prot Sys:**	Not needed
Tank Material:	Bare/Paint/Asph Coat Steel	**Special Use Desc:**	Heating
Subject Item Designation:	1		
Overfill Prevention System:	UST Not needed		

Pipe Information

Pipe Wall Type:	Single	**Stored Product:**	Fuel Oil
Pipe Leak Detection:	SSP	**Tank Leak Detection:**	UST Not needed
Pipe Material:	Wrapped Steel	**Vapor Recovery Flag:**	No
Pipe Corrosion Protection:	None		

Tank Information

Tank Site ID:	TS0054019	**Status Change Date:**	8/17/1992
Tank ID:	25016-EQUI0000000001	**Latitude:**	45.01166307
Tank Status:	Removed	**Longitude:**	-93.15922345
Install Date:	1/1/1953	**Contractor of Tank:**	
Primary Naics:	238210 - Electrical Contractors and Other Wiring Installation Contractors		
Primary Sic:	1731 - Electrical Work		
Subject Item Description:	10,000 gal/Fuel Oil/Removed		
Tanks Url:	https://webapp.pca.state.mn.us/tank-leak/sites/TS/TS0054019		
Coord Collect Meth Desc:	Public Land Survey-Two Quarter		

Compartment Information

Compartment ID:	25016-EQUI0000000001-1	**Programs:**	UT
Compartment No:	1	**Capacity (gal):**	10000
Tank Wall Type:	Single	**Cathodic Prot Sys:**	Not needed
Tank Material:	Bare/Paint/Asph Coat Steel	**Special Use Desc:**	Heating
Subject Item Designation:	1		
Overfill Prevention System:	UST Not needed		

Pipe Information

Pipe Wall Type:	Single	**Stored Product:**	Fuel Oil
Pipe Leak Detection:	NONE	**Tank Leak Detection:**	UST Not needed
Pipe Material:	Steel/Iron	**Vapor Recovery Flag:**	No
Pipe Corrosion Protection:	None		

6	***5 of 6***	***SSW***	***0.20 / 1,058.76***	***923.93 / 36***	***Lake Owasso School 934 Woodhill Drive Roseville MN 55113***	***MPCA AI***

Item ID:	141996-AISI0000141996	**County Code:**	123
Agency Interest ID:	141996	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	CS	**House District:**	42B
MPCA Program Desc:	Construction Stormwater	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	141996	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Sep-2015	**PLS Range:**	
Tmsp Creat:	19-Nov-2012	**PLS Range Direction:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.02261
Spatial ID:	64163566	**Longitude:**	-93.13947
Method Code:	DP	**Method Desc:**	Digitized - MPCA online map
Subject Item Category Desc:	Agency Interest		
Location Description:			

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6 | **6 of 6** | **SSW** | **0.20 / 1,058.76** | **923.93 / 36** | **AT & T Broadband**
934 Woodhill Dr
Roseville MN 55113 | **MPCA AI**

Item ID:	25016-AISI0000025016	**County Code:**	123
Agency Interest ID:	25016	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	AT, HW, UT	**House District:**	42B
MPCA Program Desc:	Aboveground Tank, Hazardous Waste, Underground Tanks	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	25016	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	28-Sep-2015	**PLS Range:**	
Tmsp Creat:	26-Jul-1999	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.02267991
Spatial ID:	22698	**Longitude:**	-93.14020091
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

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7 | **1 of 2** | **NE** | **0.23 / 1,206.00** | **929.99 / 42** | **Barrels Found During Excavation of Base-**
See location description
Roseville MN 55113 | **UNPERMITTED LF**

Item ID:	195264-AREA0000000001	**Federal Re:**	
Project ID:	SA0008420	**Fed State:**	
Project Type:	Site Assessment Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	Yes
Perm List of Prior?:		**Latitude:**	45.03047016
Petrol Brownfield?:		**Longitude:**	-93.13380426
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Barrels Found During Excavation of Base-		
Site Address 1:	See location description		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address2(RAP):
City (RAP):
State (RAP):
Zip (RAP):
Project Ma:
Data Source: MPCA Remediation Sites

Remediation Sites Details

Activity ID:	195264	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	SITE	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	0	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801

AI Name: Barrels Found
Loc Desc: near Victoria St & Millwood Ave
T. 29N, R. 23W, S. 2, ACCC. New Brighton Quad.
Method Des: Public Land Survey-Two Quarter
Huc8 Name: Mississippi River - Twin Cities
Huc12 Name: Vadnais Lake
Hydrologis:
WIMN Url: https://webapp.pca.state.mn.us/wimn/site/195264

Spatial Remediation Activity

AI ID:	195264	**Site Start:**	01-Jan-1987
Site ID:	SA0008420	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	01-Jan-1987
Site Close:	01-Sep-1999	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	
Activity ID:	SIW19990001	**FF Aproved:**	
Activity Type:	Site Assessment Investigation	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	1999	**App Comple:**	
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	2 of 2	NE	0.23 / 1,206.00	929.99 / 42	Barrels Found During Excavation of Base- See location description Roseville MN 55113	SITE ASSESSMENT

Item ID:	195264-AREA0000000001	**Federal Re:**	
Project ID:	SA0008420	**Fed State:**	
Project Type:	Site Assessment Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	Yes
Perm List of Prior?:		**Latitude:**	45.03047016
Petrol Brownfield?:		**Longitude:**	-93.13380426
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			

Project Name: Barrels Found During Excavation of Base-
Site Address 1: See location description
Site Address 2:
Site City: Roseville
Site State: MN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Zip: 55113
Site County: Ramsey
Project Name(RAP):
Address1 (RAP):
Address2(RAP):
City (RAP):
State (RAP):
Zip (RAP):
Project Ma:
Data Source: MPCA Remediation Sites

Remediation Sites Details

Activity ID: 195264
SI ID: 1
Si Cat: AREA
SI Type: SITE
Site Type: CON
Acreage: 0
HRS Score: 0
Score Year:
AI Name: Barrels Found
Loc Desc: near Victoria St & Millwood Ave
T. 29N, R. 23W, S. 2, ACCC. New Brighton Quad.
Method Des: Public Land Survey-Two Quarter
Huc8 Name: Mississippi River - Twin Cities
Huc12 Name: Vadnais Lake
Hydrologis:
WIMN Url: https://webapp.pca.state.mn.us/wimn/site/195264

DWSMA Code:
DWSMA Name:
Cong Dist: 4
House Dist: 42B
Senate Dis: 42
HUC 8: 07010206
HUC 10: 0701020608
HUC 12: 070102060801

Spatial Remediation Activity

AI ID: 195264
Site ID: SA0008420
SI ID: 1
SI Cat: AREA
NFA Decisi:
Site Close: 01-Sep-1999
Leak Discovered:
Leak Reported:
Leak Reopened:
Activity No: 1
Activity ID: SIW19990001
Activity Type: Site Assessment Investigation
Activity Code: SIW
Activity Year: 1999
Discovered:

Site Start: 01-Jan-1987
Remedy Imp:
Remedy Sel:
ASMT Compl:
Received: 01-Jan-1987
NPL List:
NPL Delete:
PLP List:
PLP Delist:
Staff Assi:
FF Aproved:
FF Closed:
Inv Comple:
App Comple:
Er Site Ev:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of 6	S	0.29 / 1,509.88	914.42 / 26	Former Roseville School 2659 Victoria St N Roseville MN 55113	HIST LUST

Prog Int ID: 76232553
Site ID: 76232550
State County Code: 62
Country: USA
Interest Type Cd: LS
ADDR ID: 76232538
Tank Site: 19939
Interest Phone: NO CORE PI PH.
Interest Start Dt: 10/28/2015 00:00:00
Interest End Dt:
Active?: No
Timestamp Added: 10/28/2015 08:51:08
Timestamp Updt: 02/10/2016 08:25:14
Staff ID Updt: GZARLIN

Address Source: CORE
Township Name:
County Name: Ramsey
Lat/Long ID: 214321
Interest Type Dsc: Leak Site
Lat Degrees: 45
Lat Minutes: 1
Lat Seconds: 18.48
Long Degrees: -93
Long Minutes: 8
Long Seconds: 24.36
Lat/Long Source: CORE
Lat/Long Site ID: 76232550
Lat/Long Spatial ID: 76232554

Source:	CORE	**Collection Date:**	03/07/2016 00:00:00
Coord Src Type:	4	**Map Scale Code:**	T
Coord Src Desc:	Contractor	**Org Name Source:**	?Braun
Foreign State:		**Foreign Zone:**	
FIPS County Cd1:	123		

Addr Timestmp Add: 10/28/2015 08:47:34
Addr Timestamp Lst Updt: 10/28/2015 08:47:34
Addr Updater Staff ID: BSCHULL
Lat/Long Timestamp Added: 03/09/2016 10:13:18
Lat/Long Tmstmp Last Upd: 03/09/2016 10:13:18
Lat/Long Updater Staff ID: ANICHOL
Lat/Long Desc: center of site
Coord Coll Method Desc: GPS - Unknown
Coord Coll Method Code: G9
Comments:

Leak Site

Complete Site Closure Date: 02/05/2016 00:00:00
Cond Closure Date:
Release Discovered Date: 10/07/2015 00:00:00
Leaksite Type Code: 1
Leaksite Type Desc: Leak Site
Leak Report Date: 10/28/2015 00:00:00
Tank Reg Status Code: N
TMSP Added: 10/28/2015 09:56:43
TMSP Last Updt: 03/17/2016 14:58:15
CU Yds Excavated Qty:
ENF Action Begin Date: 11/05/2015 00:00:00
Residence Type Code:
File Archive Box:
File Archive Lot:
Soil Digout Date:
Staff ID Last Updt: LVERDUZ
Std Letter Response Date: 11/30/2015 00:00:00
VPIC Acres:
VPIC Application Date:
Contam Soils Remaining Flag: Y
Indoor Air Collected Flag:
LUST Trust Eligible Flag: No
Offsite Contam Flag: N
REIMB Awarded Flag: No
Release From AST Flag: No
Release From UST Flag: Yes
Soil Gas Action Level Flag:
Soil Gas Data Collected Flag: Yes
Sub Slab Sample Collected Flag:
Surface Water Impact Flag: N
Utility Project Flag: No
Vapor Intrusion Action Flag:
Vapor Intrusion Checked Flag: Yes
Leaksite Type Defn: Leak site (tank and petroleum contamination).
Soil Gas Data Comments: levels are well below 10X ISVs
Vapor Intrusion Comments:

Leak Product Rls

Product Rls Seq ID: 173398
Leak Product Desc: Fuel Oil 1 & 2
Leak Product Defn: The product is fuel oil 1 & 2.

Leak GW Info

Well Type Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affected Non Res Props:	
Affected Residential Props:	
Staff ID Last Updt:	GZARLIN
Staff ID Wellhead Area Assess:	3451
TMSP Added:	02/03/2016 13:38:06
TMSP Last Updt:	02/03/2016 13:41:55
Water Supply Exceeds Ral Flag:	
Cleanup Goal Achieved Flag:	
DW Supply Contam Flag:	
Free Product at Close Flag:	No
Free Product Observed Flag:	
Free Product Thickness:	
Ground Water Contam Flag:	N
GW Cleanup Goal:	
GW Exceeds Cleanup Goal Flag:	
Impacted Aquifer Code:	
MTBE High Level Date:	
MTBE High Ug Per Liter Char:	
MTBE High Ug Per Liter Numb:	
MTBE Present Historically Flag:	N
MTBE Present Now Flag:	
Protected Area Flag:	No
PWS Well Impacted Flag:	No
Sensitive Area Flag:	Yes

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of 6	S	0.29 / 1,509.88	914.42 / 26	Former Roseville School 2659 Victoria St N Roseville MN 55113	MPCA AI

Item ID:	190146-AISI0000190146	**County Code:**	123
Agency Interest ID:	190146	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	BV, PR	**House District:**	42B
MPCA Program Desc:	Brownfields, Petroleum Remediation	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	190146	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	CEN	**DWSMA Name:**	
Ref Desc:	Center of Feature Represented	**TRDSQQ:**	
Verified:	Yes	**PLS Township:**	
Collection:	25-Apr-2016	**PLS Range:**	
Tmsp Creat:	28-Oct-2015	**PLS Range Direction:**	
User Creat:	DELTA_M_R2	**PLS Section:**	
Tmsp Updt:	14-Dec-2016	**PLS Quarters:**	
User Updt:	vsetter	**Latitude:**	45.0218
Spatial ID:	76232551	**Longitude:**	-93.1401
Method Code:	G9	**Method Desc:**	GPS - Unknown

Subject Item Category Desc: Agency Interest

Location Description: CSLL: center of site *** Note:many records provided by the department have a truncated LOC_DESC field.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	3 of 6	S	0.29 / 1,509.88	914.42 / 26	Applewood Pointe of Roseville at Central Park 2659 Victoria St N Roseville MN 55113	BROWNFIELDS

Item ID:	190146-AREA0000000003	**Federal Re:**	
Project ID:	PB4998	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):	PB4998	**SEMS?:**	

Project Type (RAP):	Brownfield Site	**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02180089
Petrol Brownfield?:	Yes	**Longitude:**	-93.14010413
VIC Site?:		**County (RAP):**	Ramsey
Sf Volunta:		**Latitude (RAP):**	45.02180089
Inst Controls?:		**Longitude (RAP):**	-93.14010413
State Reg:			

Project Name:	Applewood Pointe of Roseville at Central Park
Site Address 1:	2659 Victoria St N
Site Address 2:	
Site City:	Roseville
Site State:	MN
Site Zip:	55113
Site County:	Ramsey
Project Name(RAP):	Applewood Pointe of Roseville at Central Park
Address1 (RAP):	2659 Victoria St N
Address2(RAP):	
City (RAP):	Roseville
State (RAP):	MN
Zip (RAP):	55113
Project Ma:	Amy Miller (former)
Data Source:	MPCA Remediation Sites; MPCA Remediation Sites with RAP approvals

Remediation Sites Details

Activity ID:	190146	**DWSMA Code:**	
SI ID:	3	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	66A
Site Type:	CON	**Senate Dis:**	66
Acreage:	5	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801

AI Name:	Former Roseville School
Loc Desc:	
Method Des:	Digitized - MPCA internal map
Huc8 Name:	Mississippi River - Twin Cities
Huc12 Name:	Vadnais Lake
Hydrologis:	Mike Connolly (former)
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/190146

Remediation Sites with RAP Approval

Activity ID:	190146
Rap Date:	4/13/2016
Parcels:	
AI Name:	Former Roseville School
Coord Collection Method:	Digitized - MPCA internal mapping application
WIMN:	https://webapp.pca.state.mn.us/wimn/site/190146

Spatial Remediation Activity

AI ID:	190146	**Site Start:**	07-Mar-2016
Site ID:	PB4998	**Remedy Imp:**	
SI ID:	3	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	09-Apr-2018	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	07-Mar-2016
Activity ID:	SIW20160001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2016	**App Comple:**	07-Mar-2016
Discovered:		**Er Site Ev:**	

8 | **4 of 6** | **S** | **0.29 / 1,509.88** | **914.42 / 26** | **Applewood Pointe of Roseville**
2659 Victoria St N
Roseville MN 55113 | **VIC**

Item ID:	190146-AREA0000000001	**Federal Re:**	
Project ID:	VP33950	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):	VP33950	**SEMS?:**	
Project Type (RAP):	Brownfield Site	**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.01166307
Petrol Brownfield?:		**Longitude:**	-93.15922345
VIC Site?:	Yes	**County (RAP):**	Ramsey
Sf Volunta:		**Latitude (RAP):**	45.01166307
Inst Controls?:		**Longitude (RAP):**	-93.15922345
State Reg:			

Project Name:	Applewood Pointe of Roseville
Site Address 1:	2659 Victoria St N
Site Address 2:	
Site City:	Roseville
Site State:	MN
Site Zip:	55113
Site County:	Ramsey
Project Name(RAP):	Applewood Pointe of Roseville
Address1 (RAP):	2659 Victoria St N
Address2(RAP):	
City (RAP):	Roseville
State (RAP):	MN
Zip (RAP):	55113
Project Ma:	Timothy Lockrem (former)
Data Source:	MPCA Remediation Sites; MPCA Remediation Sites with RAP approvals

Remediation Sites Details

Activity ID:	190146	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	66A
Site Type:	CON	**Senate Dis:**	66
Acreage:	5	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801

AI Name:	Former Roseville School
Loc Desc:	
Method Des:	Public Land Survey-Two Quarter
Huc8 Name:	Mississippi River - Twin Cities
Huc12 Name:	Vadnais Lake
Hydrologis:	Timothy Lockrem (former)
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/190146

Remediation Sites with RAP Approval

Activity ID:	190146
Rap Date:	4/13/2016
Parcels:	22923340024
AI Name:	Former Roseville School
Coord Collection Method:	Public Land Survey-Two Quarter
WIMN:	https://webapp.pca.state.mn.us/wimn/site/190146

Spatial Remediation Activity

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

AI ID:	190146	***Site Start:***	07-Mar-2016
Site ID:	VP33950	***Remedy Imp:***	
SI ID:	1	***Remedy Sel:***	
SI Cat:	AREA	***ASMT Compl:***	23-Sep-2015
NFA Decisi:		***Received:***	07-Mar-2016
Site Close:	20-Apr-2016	***NPL List:***	
Leak Discovered:		***NPL Delete:***	
Leak Reported:		***PLP List:***	
Leak Reopened:		***PLP Delist:***	
Activity No:	2	***Staff Assi:***	07-Mar-2016
Activity ID:	SIW20160002	***FF Aproved:***	
Activity Type:	Brownfield Site	***FF Closed:***	
Activity Code:	SIW	***Inv Comple:***	08-Oct-2015
Activity Year:	2016	***App Comple:***	07-Mar-2016
Discovered:		***Er Site Ev:***	

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8 | ***5 of 6*** | ***S*** | ***0.29 / 1,509.88*** | ***914.42 / 26*** | ***Applewood Pointe of Roseville***
2659 Victoria St N
Roseville MN 55113 | ***BROWNFIELDS***

Item ID:	190146-AREA0000000001	***Federal Re:***	
Project ID:	VP33950	***Fed State:***	
Project Type:	Brownfield Site	***Non Reg:***	
Project ID (RAP):	VP33950	***SEMS?:***	
Project Type (RAP):	Brownfield Site	***NPL:***	
Site Status:	Closed	***Unpermitted Dump?:***	
Perm List of Prior?:		***Latitude:***	45.01166307
Petrol Brownfield?:		***Longitude:***	-93.15922345
VIC Site?:	Yes	***County (RAP):***	Ramsey
Sf Volunta:		***Latitude (RAP):***	45.01166307
Inst Controls?:		***Longitude (RAP):***	-93.15922345
State Reg:			

Project Name:	Applewood Pointe of Roseville
Site Address 1:	2659 Victoria St N
Site Address 2:	
Site City:	Roseville
Site State:	MN
Site Zip:	55113
Site County:	Ramsey
Project Name(RAP):	Applewood Pointe of Roseville
Address1 (RAP):	2659 Victoria St N
Address2(RAP):	
City (RAP):	Roseville
State (RAP):	MN
Zip (RAP):	55113
Project Ma:	Timothy Lockrem (former)
Data Source:	MPCA Remediation Sites; MPCA Remediation Sites with RAP approvals

Remediation Sites Details

Activity ID:	190146	***DWSMA Code:***	
SI ID:	1	***DWSMA Name:***	
Si Cat:	AREA	***Cong Dist:***	4
SI Type:	BROW	***House Dist:***	66A
Site Type:	CON	***Senate Dis:***	66
Acreage:	5	***HUC 8:***	07010206
HRS Score:	0	***HUC 10:***	0701020608
Score Year:		***HUC 12:***	070102060801

AI Name:	Former Roseville School
Loc Desc:	
Method Des:	Public Land Survey-Two Quarter
Huc8 Name:	Mississippi River - Twin Cities
Huc12 Name:	Vadnais Lake
Hydrologis:	Timothy Lockrem (former)
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/190146

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Remediation Sites with RAP Approval

Activity ID:	190146
Rap Date:	4/13/2016
Parcels:	22923340024
AI Name:	Former Roseville School
Coord Collection Method:	Public Land Survey-Two Quarter
WIMN:	https://webapp.pca.state.mn.us/wimn/site/190146

Spatial Remediation Activity

AI ID:	190146	***Site Start:***	07-Mar-2016
Site ID:	VP33950	***Remedy Imp:***	
SI ID:	1	***Remedy Sel:***	
SI Cat:	AREA	***ASMT Compl:***	23-Sep-2015
NFA Decisi:		***Received:***	07-Mar-2016
Site Close:	20-Apr-2016	***NPL List:***	
Leak Discovered:		***NPL Delete:***	
Leak Reported:		***PLP List:***	
Leak Reopened:		***PLP Delist:***	
Activity No:	2	***Staff Assi:***	07-Mar-2016
Activity ID:	SIW20160002	***FF Aproved:***	
Activity Type:	Brownfield Site	***FF Closed:***	
Activity Code:	SIW	***Inv Comple:***	08-Oct-2015
Activity Year:	2016	***App Comple:***	07-Mar-2016
Discovered:		***Er Site Ev:***	

8	6 of 6	S	0.29 / 1,509.88	914.42 / 26	***Former Roseville School*** ***2659 Victoria St N*** ***Roseville MN 55113***	***LST*** ***REM SITE***

Item ID:	190146-AREA0000000002	***Federal Re:***	
Project ID:	LS0019939	***Fed State:***	
Project Type:	Leak Site	***Non Reg:***	Yes
Project ID (RAP):		***SEMS?:***	
Project Type (RAP):		***NPL:***	
Site Status:	Closed	***Unpermitted Dump?:***	
Perm List of Prior?:		***Latitude:***	45.01166307
Petrol Brownfield?:		***Longitude:***	-93.15922345
VIC Site?:		***County (RAP):***	
Sf Volunta:		***Latitude (RAP):***	
Inst Controls?:		***Longitude (RAP):***	
State Reg:			
Project Name:	Former Roseville School		
Site Address 1:	2659 Victoria St N		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Gary Zarling (former)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	190146	***DWSMA Code:***	
SI ID:	2	***DWSMA Name:***	
Si Cat:	AREA	***Cong Dist:***	4
SI Type:	LEAK	***House Dist:***	66A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Type:	CON	**Senate Dis:**	66
Acreage:	0	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801
AI Name:	Former Roseville School		
Loc Desc:			
Method Des:	Public Land Survey-Two Quarter		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Vadnais Lake		
Hydrologis:			
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/190146		

Spatial Remediation Activity

AI ID:	190146	**Site Start:**	28-Oct-2015
Site ID:	LS0019939	**Remedy Imp:**	
SI ID:	2	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	05-Feb-2016	**NPL List:**	
Leak Discovered:	07-Oct-2015	**NPL Delete:**	
Leak Reported:	28-Oct-2015	**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	
Activity ID:	SIW20150001	**FF Aproved:**	
Activity Type:	Leak Site Investigation	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2015	**App Comple:**	
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
9	1 of 1	S	0.30 / 1,569.44	909.65 / 22	**Applewood Pointe of Roseville at Central Park** **2659 Victoria Street** **Roseville MN 55113**	MPCA AI

Item ID:	212622-AISI0000212622	**County Code:**	123
Agency Interest ID:	212622	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	CS	**House District:**	42B
MPCA Program Desc:	Construction Stormwater	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	212622	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	CEN	**DWSMA Name:**	
Ref Desc:	Center of Feature Represented	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Nov-2017	**PLS Range:**	
Tmsp Creat:	23-May-2016	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	30-Nov-2017	**PLS Quarters:**	
User Updt:	rparlin	**Latitude:**	45.021807
Spatial ID:		**Longitude:**	-93.139223
Method Code:	DP	**Method Desc:**	Digitized - MPCA online map
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 1	SW	0.31 / 1,613.21	926.24 / 38	**Parkview Estates** **2670 Oxford St N** **Roseville MN 55113**	MPCA AI

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Item ID:	117845-AISI0000117845	**County Code:**	123
Agency Interest ID:	117845	**County:**	Ramsey
Status:	Inactive	**CTU Code:**	239643
Status Dat:	9/12/2006 11:22:41 AM	**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	UT	**House District:**	42B
MPCA Program Desc:	Underground Tanks	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	117845	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Sep-2015	**PLS Range:**	
Tmsp Creat:	12-Sep-2006	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.0217892
Spatial ID:	51420624	**Longitude:**	-93.1440759
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	1 of 2	W	0.31 / 1,658.42	908.88 / 21	Lexington Woods Lexington Avenue North Roseville MN 55113	MPCA AI

Item ID:	232080-AISI0000232080	**County Code:**	123
Agency Interest ID:	232080	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	BV	**House District:**	42B
MPCA Program Desc:	Brownfields	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	232080	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	CEN	**DWSMA Name:**	
Ref Desc:	Center of Feature Represented	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	09-Sep-2019	**PLS Range:**	
Tmsp Creat:	03-Sep-2019	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	09-Jun-2020	**PLS Quarters:**	
User Updt:	vsetter	**Latitude:**	45.0263
Spatial ID:		**Longitude:**	-93.1466
Method Code:	DM	**Method Desc:**	Digitized - MPCA internal map
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	2 of 2	W	0.31 / 1,658.42	908.88 / 21	Lexington Woods Lexington Avenue North Roseville MN 55113	BROWNFIELDS

Item ID:	232080-AREA0000000001	**Federal Re:**	
Project ID:	BF0001271	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):	BF0001271	**SEMS?:**	
Project Type (RAP):	Brownfield Site	**NPL:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Status:	Active / Existing	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.0263
Petrol Brownfield?:	Yes	**Longitude:**	-93.1466
VIC Site?:		**County (RAP):**	Ramsey
Sf Volunta:		**Latitude (RAP):**	45.0263
Inst Controls?:		**Longitude (RAP):**	-93.1466
State Reg:			
Project Name:	Lexington Woods		
Site Address 1:	Lexington Avenue North		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):	Lexington Villas		
Address1 (RAP):	Lexington Avenue North		
Address2(RAP):			
City (RAP):	Roseville		
State (RAP):	MN		
Zip (RAP):	55113		
Project Ma:	Mark Koplitz (current)		
Data Source:	MPCA Remediation Sites; MPCA Remediation Sites with RAP approvals		

Remediation Sites Details

Activity ID:	232080	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	5.3	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020603
Score Year:		**HUC 12:**	070102060306
AI Name:	Lexington Woods		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Sara Nelson (current)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/232080		

Remediation Sites with RAP Approval

Activity ID:	232080
Rap Date:	10/8/2019
Parcels:	32923410049
AI Name:	Lexington Villas
Coord Collection Method:	Digitized - MPCA internal mapping application
WIMN:	https://webapp.pca.state.mn.us/wimn/site/232080

Spatial Remediation Activity

AI ID:	232080	**Site Start:**	06-Sep-2019
Site ID:	BF0001271	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:		**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	06-Sep-2019
Activity ID:	SIW20190001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Activity Year: 2019 **App Comple:** 06-Sep-2019
Discovered: **Er Site Ev:**

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12 *1 of 1* *W* *0.32 / 1,693.03* *905.46 / 17* ***LEXINGTON VILLAS*** *MPCA AI*

Roseville MN 55113

Item ID:	235949-AISI0000235949	**County Code:**	123
Agency Interest ID:	235949	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	CS	**House District:**	42B
MPCA Program Desc:	Construction Stormwater	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	235949	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	CEN	**DWSMA Name:**	
Ref Desc:	Center of Feature Represented	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	20-Jul-2020	**PLS Range:**	
Tmsp Creat:	20-Jul-2020	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	20-Jul-2020	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.027175
Spatial ID:		**Longitude:**	-93.1465
Method Code:	G9	**Method Desc:**	GPS - Unknown

Subject Item Category Desc: Agency Interest
Location Description: LEXINGTON AVENUE & COUNTY ROAD C2 *** Note:many records provided by the department have a truncated LOC_DESC field.

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13 *1 of 2* *WSW* *0.34 / 1,818.98* *933.82 / 46* ***Peoples Plus*** *MPCA AI*
2717-2737 Lexington Ave
Roseville MN 55113

Item ID:	187598-AISI0000187598	**County Code:**	123
Agency Interest ID:	187598	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	BV, PR	**House District:**	42B
MPCA Program Desc:	Brownfields, Petroleum Remediation	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	187598	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	Yes	**PLS Township:**	
Collection:	02-Jul-2018	**PLS Range:**	
Tmsp Creat:	09-Nov-2006	**PLS Range Direction:**	
User Creat:	DELTA_M_R2	**PLS Section:**	
Tmsp Updt:	02-Jul-2018	**PLS Quarters:**	
User Updt:	vsetter	**Latitude:**	45.02301624
Spatial ID:	51650032	**Longitude:**	-93.14765111
Method Code:	DM	**Method Desc:**	Digitized - MPCA internal map

Subject Item Category Desc: Agency Interest
Location Description:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	2 of 2	WSW	0.34 / 1,818.98	933.82 / 46	Lexington Shoppes 2717-2737 Lexington Ave Roseville MN 55113	BROWNFIELDS

Item ID:	187598-AREA0000000002	**Federal Re:**	
Project ID:	BF0000796	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02301995
Petrol Brownfield?:	Yes	**Longitude:**	-93.14764618
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Lexington Shoppes		
Site Address 1:	2717-2737 Lexington Ave		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Brittney Schuller (former)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	187598	**DWSMA Code:**	
SI ID:	2	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	2.55	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020603
Score Year:		**HUC 12:**	070102060306
AI Name:	Peoples Plus		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Victor Henao (former)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/187598		

Spatial Remediation Activity

AI ID:	187598	**Site Start:**	29-Jun-2018
Site ID:	BF0000796	**Remedy Imp:**	
SI ID:	2	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	07-Aug-2018	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	29-Jun-2018
Activity ID:	SIW20180001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2018	**App Comple:**	29-Jun-2018
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of 1	WSW	0.35 / 1,832.55	929.90 / 42	Arrow Lexington LLC 2775 Lexington Ave N Roseville MN 55113	MPCA AI

Item ID:	114580-AISI0000114580	**County Code:**	123
Agency Interest ID:	114580	**County:**	Ramsey
Status:	Inactive	**CTU Code:**	239643
Status Dat:	2/11/2013	**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	HW, UT	**House District:**	42B
MPCA Program Desc:	Hazardous Waste, Underground Tanks	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	114580	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Sep-2015	**PLS Range:**	
Tmsp Creat:	31-Aug-2006	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.0238735
Spatial ID:	51388076	**Longitude:**	-93.1468032
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	1 of 2	WSW	0.35 / 1,852.98	903.25 / 15	Cherrywood Pointe of Roseville at Lexington 2680 Lexington Ave N Roseville MN 55113	MPCA AI

Item ID:	212612-AISI0000212612	**County Code:**	123
Agency Interest ID:	212612	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	BV, CS, HW	**House District:**	42B
MPCA Program Desc:	Brownfields, Construction Stormwater, Hazardous Waste	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	212612	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	CEN	**DWSMA Name:**	
Ref Desc:	Center of Feature Represented	**TRDSQQ:**	
Verified:	Yes	**PLS Township:**	
Collection:	07-Feb-2017	**PLS Range:**	
Tmsp Creat:	23-May-2016	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	20-Feb-2018	**PLS Quarters:**	
User Updt:	swright1	**Latitude:**	45.02219077
Spatial ID:		**Longitude:**	-93.14549595
Method Code:	DM	**Method Desc:**	Digitized - MPCA internal map
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	2 of 2	WSW	0.35 / 1,852.98	903.25 / 15	Cherrywood Pointe of Roseville 2680 Lexington Avenue North Roseville MN 55113	BROWNFIELDS

Item ID:	212612-AREA0000000001	**Federal Re:**	
Project ID:	BF0000264	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02219199
Petrol Brownfield?:	Yes	**Longitude:**	-93.14549228
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Cherrywood Pointe of Roseville		
Site Address 1:	2680 Lexington Avenue North		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Brittney Schuller (former)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	212612	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	4.76	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801
AI Name:	Cherrywood Pointe of Roseville at Lexington		
Loc Desc:			
Method Des:	Digitized - Web Map Google / Yahoo / Microsoft		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Vadnais Lake		
Hydrologis:	Mike Connolly (former)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/212612		

Spatial Remediation Activity

AI ID:	212612	**Site Start:**	03-Feb-2017
Site ID:	BF0000264	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	10-Mar-2017	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	07-Feb-2017
Activity ID:	SIW20170001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2017	**App Comple:**	03-Feb-2017
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of 3	WSW	0.37 / 1,954.75	934.53 / 47	Carrier Hardware 2700 Lexington Ave N Roseville MN 55113	HIST LEAKSITES

Prog Int ID:	217523	**Address Source:**	CORE
Site ID:	31002	**Township Name:**	
State County Code:	62	**County Name:**	Ramsey
Country:	USA	**Lat/Long ID:**	39532
Interest Type Cd:	LS	**Interest Type Dsc:**	Leak Site
ADDR ID:	41002	**Lat Degrees:**	45
Tank Site:	4835	**Lat Minutes:**	1
Interest Phone:	NO CORE PI PH.	**Lat Seconds:**	20.3
Interest Start Dt:	12/16/1992 10:08:09	**Long Degrees:**	-93
Interest End Dt:	11/15/2006 07:19:17	**Long Minutes:**	8
Active?:	No	**Long Seconds:**	47.17
Timestamp Added:	11/15/2006 07:19:17	**Lat/Long Source:**	CORE
Timestamp Updt:	11/10/2014 08:17:06	**Lat/Long Site ID:**	31002
Staff ID Updt:	RGAGLE	**Lat/Long Spatial ID:**	51744458
Source:	CORE	**Collection Date:**	03/12/2010 17:47:37
Coord Src Type:	2	**Map Scale Code:**	E
Coord Src Desc:		**Org Name Source:**	MPCA
Foreign State:		**Foreign Zone:**	
FIPS County Cd1:	123		
Addr Timestmp Add:	05/13/1999 13:38:23		
Addr Timestamp Lst Updt:	03/22/2013 14:00:27		
Addr Updater Staff ID:	KKIRCHO		
Lat/Long Timestamp Added:	08/28/2000 10:31:48		
Lat/Long Tmstmp Last Upd:	03/12/2010 18:15:37		
Lat/Long Updater Staff ID:	MAPT_NC		
Lat/Long Desc:			
Coord Coll Method Desc:	Address Matching House Number		
Coord Coll Method Code:	A1		
Comments:			

Leak Site

Complete Site Closure Date:	06/01/1992 00:00:00
Cond Closure Date:	
Release Discovered Date:	11/15/1991 00:00:00
Leaksite Type Code:	1
Leaksite Type Desc:	Leak Site
Leak Report Date:	11/15/1991 00:00:00
Tank Reg Status Code:	F
TMSP Added:	12/04/1999 14:03:46
TMSP Last Updt:	11/01/2011 16:10:49
CU Yds Excavated Qty:	40
ENF Action Begin Date:	12/09/1991 00:00:00
Residence Type Code:	
File Archive Box:	07
File Archive Lot:	95/356
Soil Digout Date:	11/15/1991 00:00:00
Staff ID Last Updt:	JDIETZ
Std Letter Response Date:	
VPIC Acres:	
VPIC Application Date:	
Contam Soils Remaining Flag:	Y
Indoor Air Collected Flag:	
LUST Trust Eligible Flag:	Yes
Offsite Contam Flag:	U
REIMB Awarded Flag:	No
Release From AST Flag:	No
Release From UST Flag:	No
Soil Gas Action Level Flag:	
Soil Gas Data Collected Flag:	
Sub Slab Sample Collected Flag:	

Surface Water Impact Flag: U
Utility Project Flag: No
Vapor Intrusion Action Flag:
Vapor Intrusion Checked Flag:
Leaksite Type Defn: Leak site (tank and petroleum contamination).
Soil Gas Data Comments:
Vapor Intrusion Comments:

Leak Product Rls

Product Rls Seq ID: 326408
Leak Product Desc: Gasoline Leaded
Leak Product Defn: The product is leaded gasoline.

Leak GW Info

Well Type Code:
Affected Non Res Props:
Affected Residential Props:
Staff ID Last Updt: RSUCHAN
Staff ID Wellhead Area Assess:
TMSP Added: 12/04/1999 14:07:30
TMSP Last Updt: 11/04/2003 12:57:07
Water Supply Exceeds Ral Flag:
Cleanup Goal Achieved Flag:
DW Supply Contam Flag:
Free Product at Close Flag:
Free Product Observed Flag:
Free Product Thickness:
Ground Water Contam Flag:
GW Cleanup Goal: 0
GW Exceeds Cleanup Goal Flag:
Impacted Aquifer Code:
MTBE High Level Date:
MTBE High Ug Per Liter Char:
MTBE High Ug Per Liter Numb:
MTBE Present Historically Flag:
MTBE Present Now Flag:
Protected Area Flag:
PWS Well Impacted Flag:
Sensitive Area Flag:

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16 | ***2 of 3*** | ***WSW*** | ***0.37 / 1,954.75*** | ***934.53 / 47*** | ***County Cycles Inc***
2700 Lexington Ave N
Roseville MN 55113 | ***MPCA AI***

Item ID:	24936-AISI0000024936	***County Code:***	123
Agency Interest ID:	24936	***County:***	Ramsey
Status:	Inactive	***CTU Code:***	239643
Status Dat:	4/29/2013	***CTU Name:***	Roseville
Document ID:	0	***Congress District Cd:***	4
Program:	HW, PR, UT	***House District:***	42B
MPCA Program Desc:	Hazardous Waste, Petroleum Remediation, Underground Tanks	***Senate District:***	42
Subject Item Type:	CON	***HUC8:***	07010206
Subject Item Ctgry:	AISI	***HUC8 Name:***	Mississippi River - Twin Cities
Subject Item ID:	24936	***HUC10:***	0701020608
Subj Item Type Dsc:	Conventional Site	***HUC12:***	070102060801
Subj Item Designtn:		***HUC12 Name:***	Vadnais Lake
Description:		***DWSMA Code:***	
Ref Code:	GEN	***DWSMA Name:***	
Ref Desc:	General Location	***TRDSQQ:***	
Verified:	No	***PLS Township:***	
Collection:	28-Sep-2015	***PLS Range:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tmsp Creat:	26-Jul-1999	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.02228403
Spatial ID:	22540	**Longitude:**	-93.14665161
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	3 of 3	WSW	0.37 / 1,954.75	934.53 / 47	Carrier Hardware 2700 Lexington Ave N Roseville MN 55113	LST REM SITE

Item ID:	24936-AREA0000000001	**Federal Re:**	Yes
Project ID:	LS0004835	**Fed State:**	
Project Type:	Leak Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02257834
Petrol Brownfield?:		**Longitude:**	-93.14618008
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Carrier Hardware		
Site Address 1:	2700 Lexington Ave N		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Dagmar Romano (no longer at MPCA)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	24936	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	LEAK	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	0	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801
AI Name:	County Cycles Inc		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Vadnais Lake		
Hydrologis:			
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/24936		

Spatial Remediation Activity

AI ID:	24936	**Site Start:**	15-Nov-1991
Site ID:	LS0004835	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NFA Decisi:		**Received:**	
Site Close:	01-Jun-1992	**NPL List:**	
Leak Discovered:	15-Nov-1991	**NPL Delete:**	
Leak Reported:	15-Nov-1991	**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	
Activity ID:	SIW19910001	**FF Aproved:**	
Activity Type:	Leak Site Investigation	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	1991	**App Comple:**	
Discovered:		**Er Site Ev:**	

17	1 of 1	ESE	0.37 / 1,962.92	906.04 / 18	2016 Pavement Management Project Roseville MN 55113	MPCA AI

Item ID:	157629-AISI0000157629	**County Code:**	123
Agency Interest ID:	157629	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	CS	**House District:**	42B
MPCA Program Desc:	Construction Stormwater	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	157629	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	10-Mar-2016	**PLS Range:**	
Tmsp Creat:	11-Mar-2016	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	04-Apr-2017	**PLS Quarters:**	
User Updt:	SYSTEM	**Latitude:**	45.02419
Spatial ID:		**Longitude:**	-93.12988
Method Code:	DP	**Method Desc:**	Digitized - MPCA online map

Subject Item Category Desc: Agency Interest

Location Description: Terrace Dr. from County Rd. C to Dale St. Heinel Dr. from Cul-De-Sac to So. Owasso Blvd. Farrington St. from Iona Ln. to County Rd. C-2. Galtier St. from Iona Ln. to So. Owasso Blvd. *** Note:many records provided by the department have a truncated LOC_DESC field.

18	1 of 3	WSW	0.38 / 1,980.99	938.04 / 50	Peoples Plus 2717 Lexington Ave Roseville MN 55113	HIST LEAKSITES

Prog Int ID:	213836	**Address Source:**	CORE
Site ID:	240777	**Township Name:**	White Bear
State County Code:	62	**County Name:**	Ramsey
Country:	USA	**Lat/Long ID:**	129425
Interest Type Cd:	LS	**Interest Type Dsc:**	Leak Site
ADDR ID:	260923	**Lat Degrees:**	45
Tank Site:	918	**Lat Minutes:**	1
Interest Phone:	NO CORE PI PH.	**Lat Seconds:**	22
Interest Start Dt:	04/14/1998 00:00:00	**Long Degrees:**	-93
Interest End Dt:	11/09/2006 14:18:55	**Long Minutes:**	8
Active?:	No	**Long Seconds:**	48.43
Timestamp Added:	11/09/2006 14:18:55	**Lat/Long Source:**	CORE
Timestamp Updt:	11/10/2014 08:17:05	**Lat/Long Site ID:**	240777
Staff ID Updt:	RGAGLE	**Lat/Long Spatial ID:**	51650033
Source:	CORE	**Collection Date:**	03/29/2010 19:07:34
Coord Src Type:		**Map Scale Code:**	
Coord Src Desc:		**Org Name Source:**	

Foreign State: ***Foreign Zone:***
FIPS County Cd1: 123
Addr Timestmp Add: 11/09/2006 14:18:43
Addr Timestamp Lst Updt: 11/04/2008 21:13:54
Addr Updater Staff ID: SYSTEM
Lat/Long Timestamp Added: 11/09/2006 14:19:02
Lat/Long Tmstmp Last Upd: 03/29/2010 19:32:34
Lat/Long Updater Staff ID: MAPT_NC
Lat/Long Desc:
Coord Coll Method Desc: Address Matching House Number
Coord Coll Method Code: A1
Comments:

Leak Site

Complete Site Closure Date: 10/21/1996 00:00:00
Cond Closure Date:
Release Discovered Date: 01/15/1989 00:00:00
Leaksite Type Code: 1
Leaksite Type Desc: Leak Site
Leak Report Date: 01/15/1989 00:00:00
Tank Reg Status Code: F
TMSP Added: 12/04/1999 14:03:53
TMSP Last Updt: 07/24/2006 11:10:52
CU Yds Excavated Qty: 800
ENF Action Begin Date: 01/01/1901 00:00:00
Residence Type Code:
File Archive Box: 10
File Archive Lot: 98/223
Soil Digout Date: 01/16/1989 00:00:00
Staff ID Last Updt: JDIETZ
Std Letter Response Date:
VPIC Acres:
VPIC Application Date:
Contam Soils Remaining Flag: Y
Indoor Air Collected Flag:
LUST Trust Eligible Flag: Yes
Offsite Contam Flag: N
REIMB Awarded Flag: No
Release From AST Flag: No
Release From UST Flag: No
Soil Gas Action Level Flag:
Soil Gas Data Collected Flag:
Sub Slab Sample Collected Flag:
Surface Water Impact Flag: U
Utility Project Flag: No
Vapor Intrusion Action Flag:
Vapor Intrusion Checked Flag:
Leaksite Type Defn: Leak site (tank and petroleum contamination).
Soil Gas Data Comments:
Vapor Intrusion Comments:

Leak Product Rls

Product Rls Seq ID: 327181
Leak Product Desc: Waste Oil
Leak Product Defn: The product is waste oil.

Product Rls Seq ID: 326851
Leak Product Desc: Gasoline, Unleaded
Leak Product Defn: Unleaded Gasoline

Product Rls Seq ID: 326519
Leak Product Desc: Gasoline Leaded
Leak Product Defn: The product is leaded gasoline.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Leak GW Info

Well Type Code:
Affected Non Res Props:
Affected Residential Props:
Staff ID Last Updt: RSUCHAN
Staff ID Wellhead Area Assess:
TMSP Added: 12/04/1999 14:07:36
TMSP Last Updt: 11/04/2003 12:57:09
Water Supply Exceeds Ral Flag:
Cleanup Goal Achieved Flag:
DW Supply Contam Flag:
Free Product at Close Flag:
Free Product Observed Flag: N
Free Product Thickness:
Ground Water Contam Flag: Y
GW Cleanup Goal: 0
GW Exceeds Cleanup Goal Flag:
Impacted Aquifer Code:
MTBE High Level Date:
MTBE High Ug Per Liter Char:
MTBE High Ug Per Liter Numb:
MTBE Present Historically Flag:
MTBE Present Now Flag:
Protected Area Flag:
PWS Well Impacted Flag:
Sensitive Area Flag:

Leak Cleanup Act

Leak Action Seq ID: 330026
Leak Action Desc: SVE
Leak Action Apprv Dt:
Leak Action Begin Dt: 11/16/1989 00:00:00
Leak Action End Dt:
Product Rcvred Gal:
Product Rmved Gal:
Treated Water Gal:
Corrective Rsn Cd:

18	2 of 3	WSW	0.38 / 1,980.99	938.04 / 50	Roseville Freeway 2717 Lexington Ave N Roseville MN 55113	MPCA AI

Item ID: 30205-AISI0000030205
Agency Interest ID: 30205
Status: Inactive
Status Dat: 7/27/1999 6:24:16 PM
Document ID: 0
Program: HW
MPCA Program Desc: Hazardous Waste
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 30205
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 01-Jul-2016
Tmsp Creat: 26-Jul-1999
User Creat: DELTA_M_R1
Tmsp Updt: 01-Jul-2016
User Updt: geo_nc
Spatial ID: 21141
Method Code: A1
Subject Item Category Desc: Agency Interest
County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020608
HUC12: 070102060801
HUC12 Name: Vadnais Lake
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.0231929
Longitude: -93.141808
Method Desc: Address Matching House Number

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Description:						
18	3 of 3	WSW	0.38 / 1,980.99	938.04 / 50	Peoples Plus 2717 Lexington Ave Roseville MN 55113	LST REM SITE

Item ID:	187598-AREA0000000001	**Federal Re:**	Yes
Project ID:	LS0000918	**Fed State:**	
Project Type:	Leak Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.0227844
Petrol Brownfield?:		**Longitude:**	-93.14681308
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Peoples Plus		
Site Address 1:	2717 Lexington Ave		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Gary Zarling (former)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	187598	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	LEAK	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	0	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020603
Score Year:		**HUC 12:**	070102060306
AI Name:	Peoples Plus		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Mike Bares (former)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/187598		

Spatial Remediation Activity

AI ID:	187598	**Site Start:**	15-Jan-1989
Site ID:	LS0000918	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	21-Oct-1996	**NPL List:**	
Leak Discovered:	15-Jan-1989	**NPL Delete:**	
Leak Reported:	15-Jan-1989	**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	
Activity ID:	SIW19890001	**FF Aproved:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Activity Type: Leak Site Investigation
Activity Code: SIW
Activity Year: 1989
Discovered:
FF Closed:
Inv Comple:
App Comple:
Er Site Ev:

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19 | **1 of 1** | **SE** | **0.38 / 2,016.85** | **943.66 / 56** | **Silver Lake Village**
Address Unknown
Saint Anthony MN 55421 | **MPCA AI**

Item ID: 145463-AISI0000145463
Agency Interest ID: 145463
Status: Inactive
Status Dat: 6/16/2015
Document ID: 0
Program: CS
MPCA Program Desc: Construction Stormwater
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 145463
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 27-Sep-2015
Tmsp Creat: 17-Dec-2013
User Creat: DELTA_M_R1
Tmsp Updt: 26-Apr-2016
User Updt: spatial_
Spatial ID: 67620087
Method Code: G8
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020608
HUC12: 070102060801
HUC12 Name: Vadnais Lake
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.021704
Longitude: -93.133081
Method Desc: GPS - Other

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20 | **1 of 1** | **WSW** | **0.39 / 2,047.93** | **931.71 / 44** | **Roseville Chiropractor Clinic**
2725 Lexington Ave N
Roseville MN 55113 | **MPCA AI**

Item ID: 30203-AISI0000030203
Agency Interest ID: 30203
Status: Active
Status Dat:
Document ID: 0
Program: HW
MPCA Program Desc: Hazardous Waste
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 30203
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 01-Jul-2016
Tmsp Creat: 26-Jul-1999
User Creat: DELTA_M_R1
Tmsp Updt: 01-Jul-2016
User Updt: geo_nc
Spatial ID: 21139
Method Code: A1
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020608
HUC12: 070102060801
HUC12 Name: Vadnais Lake
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.0234168
Longitude: -93.1418078
Method Desc: Address Matching House Number

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	1 of 3	WSW	0.40 / 2,138.16	935.60 / 48	Oasis Market 2719 N Lexington Ave Roseville MN 55113	HIST LEAKSITES

Prog Int ID:	223884	**Address Source:**	CORE
Site ID:	224435	**Township Name:**	White Bear
State County Code:	62	**County Name:**	Ramsey
Country:	USA	**Lat/Long ID:**	165910
Interest Type Cd:	D2	**Interest Type Dsc:**	Deleted Leak Site
ADDR ID:	202028	**Lat Degrees:**	45
Tank Site:	11470	**Lat Minutes:**	1
Interest Phone:	NO CORE PI PH.	**Lat Seconds:**	22.13
Interest Start Dt:	06/26/1998 00:00:00	**Long Degrees:**	-93
Interest End Dt:	12/26/2000 00:00:00	**Long Minutes:**	8
Active?:	No	**Long Seconds:**	48.43
Timestamp Added:	07/30/2014 16:14:34	**Lat/Long Source:**	CORE
Timestamp Updt:	03/10/2016 18:47:44	**Lat/Long Site ID:**	224435
Staff ID Updt:	SFRYE	**Lat/Long Spatial ID:**	69474607
Source:	CORE	**Collection Date:**	03/29/2010 17:52:47
Coord Src Type:		**Map Scale Code:**	
Coord Src Desc:		**Org Name Source:**	
Foreign State:		**Foreign Zone:**	
FIPS County Cd1:	123		

Addr Timestmp Add:	09/12/2006 11:38:16
Addr Timestamp Lst Updt:	11/04/2008 21:13:54
Addr Updater Staff ID:	SYSTEM
Lat/Long Timestamp Added:	03/29/2010 18:44:41
Lat/Long Tmstmp Last Upd:	03/29/2010 18:44:41
Lat/Long Updater Staff ID:	MAPT_NC
Lat/Long Desc:	
Coord Coll Method Desc:	Address Matching House Number
Coord Coll Method Code:	A1
Comments:	

Leak Site

Complete Site Closure Date:	
Cond Closure Date:	
Release Discovered Date:	06/26/1998 00:00:00
Leaksite Type Code:	1
Leaksite Type Desc:	Leak Site
Leak Report Date:	06/26/1998 00:00:00
Tank Reg Status Code:	F
TMSP Added:	12/04/1999 14:03:52
TMSP Last Updt:	03/10/2016 18:47:19
CU Yds Excavated Qty:	
ENF Action Begin Date:	07/01/1998 00:00:00
Residence Type Code:	
File Archive Box:	
File Archive Lot:	
Soil Digout Date:	
Staff ID Last Updt:	SFRYE
Std Letter Response Date:	
VPIC Acres:	
VPIC Application Date:	
Contam Soils Remaining Flag:	U
Indoor Air Collected Flag:	
LUST Trust Eligible Flag:	Yes
Offsite Contam Flag:	U
REIMB Awarded Flag:	No
Release From AST Flag:	No
Release From UST Flag:	No
Soil Gas Action Level Flag:	
Soil Gas Data Collected Flag:	
Sub Slab Sample Collected Flag:	
Surface Water Impact Flag:	U

Utility Project Flag: No
Vapor Intrusion Action Flag:
Vapor Intrusion Checked Flag:
Leaksite Type Defn: Leak site (tank and petroleum contamination).
Soil Gas Data Comments:
Vapor Intrusion Comments:

Leak GW Info

Well Type Code:
Affected Non Res Props:
Affected Residential Props:
Staff ID Last Updt: RSUCHAN
Staff ID Wellhead Area Assess:
TMSP Added: 12/04/1999 14:07:35
TMSP Last Updt: 11/04/2003 12:57:08
Water Supply Exceeds Ral Flag:
Cleanup Goal Achieved Flag:
DW Supply Contam Flag:
Free Product at Close Flag:
Free Product Observed Flag:
Free Product Thickness:
Ground Water Contam Flag:
GW Cleanup Goal: 0
GW Exceeds Cleanup Goal Flag:
Impacted Aquifer Code:
MTBE High Level Date:
MTBE High Ug Per Liter Char:
MTBE High Ug Per Liter Numb:
MTBE Present Historically Flag:
MTBE Present Now Flag:
Protected Area Flag:
PWS Well Impacted Flag:
Sensitive Area Flag:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	2 of 3	WSW	0.40 / 2,138.16	935.60 / 48	**Clark Station** **2719 N Lexington Ave** **Roseville MN 55113**	MPCA AI

Item ID: 118902-AISI0000118902
Agency Interest ID: 118902
Status: Active
Status Dat:
Document ID: 0
Program: PR, UT
MPCA Program Desc: Petroleum Remediation, Underground Tanks
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 118902
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 27-Sep-2015
Tmsp Creat: 12-Sep-2006
User Creat: DELTA_M_R1
Tmsp Updt: 26-Apr-2016
User Updt: spatial_
Spatial ID: 51421104
Method Code: A1
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020603
HUC12: 070102060306
HUC12 Name: Long Lake-Rice Creek
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.0228163
Longitude: -93.1467874
Method Desc: Address Matching House Number

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
21	3 of 3	WSW	0.40 / 2,138.16	935.60 / 48	Oasis Market 2719 N Lexington Ave Roseville MN	DEL LUST

Deleted ID: 11470

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of 2	WSW	0.41 / 2,155.79	936.76 / 49	City Of Roseville Fire Station #1 2701 N Lexington Ave Roseville MN 55113	MPCA AI

Item ID:	112580-AISI0000112580	**County Code:**	123
Agency Interest ID:	112580	**County:**	Ramsey
Status:	Inactive	**CTU Code:**	239643
Status Dat:	8/29/2006 7:46:21 AM	**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	UT	**House District:**	42B
MPCA Program Desc:	Underground Tanks	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	112580	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Sep-2015	**PLS Range:**	
Tmsp Creat:	29-Aug-2006	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	27-Sep-2015	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.0204392
Spatial ID:	51376547	**Longitude:**	-93.1467722
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	2 of 2	WSW	0.41 / 2,155.79	936.76 / 49	Roseville Fire Station Address Unknown Roseville MN 55113	MPCA AI

Item ID:	140981-AISI0000140981	**County Code:**	123
Agency Interest ID:	140981	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	CS	**House District:**	42B
MPCA Program Desc:	Construction Stormwater	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	140981	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	04-Apr-2017	**PLS Range:**	
Tmsp Creat:	03-Aug-2012	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	04-Apr-2017	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.0223926
Spatial ID:	63511226	**Longitude:**	-93.1472194
Method Code:	DP	**Method Desc:**	Digitized - MPCA online map

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Subject Item Category Desc: Agency Interest
Location Description:

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23 *1 of 3* **WSW** *0.43 / 2,286.31* *923.14 / 35*

Cherrywood Pointe at Lexington South
2656 Lexington Avenue North
Roseville MN 55113

MPCA AI

Item ID:	226123-AISI0000226123	**County Code:**	123
Agency Interest ID:	226123	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	BV	**House District:**	42B
MPCA Program Desc:	Brownfields	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	226123	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	15-Oct-2018	**PLS Range:**	
Tmsp Creat:	26-Sep-2018	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	15-Oct-2018	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.021293
Spatial ID:		**Longitude:**	-93.14651
Method Code:	DP	**Method Desc:**	Digitized - MPCA online map

Subject Item Category Desc: Agency Interest
Location Description:

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23 *2 of 3* **WSW** *0.43 / 2,286.31* *923.14 / 35*

Cherrywood Pointe at Lexington South
2656 Lexington Avenue North
Roseville MN 55113

VIC

Item ID:	226123-AREA0000000001	**Federal Re:**	
Project ID:	BF0000915	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02112251
Petrol Brownfield?:	Yes	**Longitude:**	-93.14568206
VIC Site?:	Yes	**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Cherrywood Pointe at Lexington South		
Site Address 1:	2656 Lexington Avenue North		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Brittney Schuller (former)		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Data Source: MPCA Remediation Sites

Remediation Sites Details

Activity ID:	226123	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	4.76	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801
AI Name:	Cherrywood Pointe at Lexington South		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Vadnais Lake		
Hydrologis:	Bassou Oulgout (former), Rebecca Higgins (former)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/226123		

Spatial Remediation Activity

AI ID:	226123	**Site Start:**	26-Sep-2018
Site ID:	BF0000915	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	19-May-2020	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	26-Sep-2018
Activity ID:	SIW20180001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2018	**App Comple:**	26-Sep-2018
Discovered:		**Er Site Ev:**	

23	3 of 3	WSW	0.43 / 2,286.31	923.14 / 35	**Cherrywood Pointe at Lexington South** **2656 Lexington Avenue North** **Roseville MN 55113**	**BROWNFIELDS**

Item ID:	226123-AREA0000000001	**Federal Re:**	
Project ID:	BF0000915	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02112251
Petrol Brownfield?:	Yes	**Longitude:**	-93.14568206
VIC Site?:	Yes	**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Cherrywood Pointe at Lexington South		
Site Address 1:	2656 Lexington Avenue North		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State (RAP):
Zip (RAP):
Project Ma: Brittney Schuller (former)
Data Source: MPCA Remediation Sites

Remediation Sites Details

Activity ID:	226123	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	4.76	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020608
Score Year:		**HUC 12:**	070102060801

AI Name: Cherrywood Pointe at Lexington South
Loc Desc:
Method Des: Digitized - MPCA internal map
Huc8 Name: Mississippi River - Twin Cities
Huc12 Name: Vadnais Lake
Hydrologis: Bassou Oulgout (former), Rebecca Higgins (former)
WIMN Url: https://webapp.pca.state.mn.us/wimn/site/226123

Spatial Remediation Activity

AI ID:	226123	**Site Start:**	26-Sep-2018
Site ID:	BF0000915	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	19-May-2020	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	26-Sep-2018
Activity ID:	SIW20180001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2018	**App Comple:**	26-Sep-2018
Discovered:		**Er Site Ev:**	

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24 **1 of 5** **WSW** **0.47 / 2,499.87** **931.97 / 44**

City Of Roseville-maint Garage
1140 W Woodhill Dr
Roseville MN 55113

HIST LEAKSITES

Prog Int ID:	213798	**Address Source:**	CORE
Site ID:	216590	**Township Name:**	White Bear
State County Code:	62	**County Name:**	Ramsey
Country:	USA	**Lat/Long ID:**	169213
Interest Type Cd:	LS	**Interest Type Dsc:**	Leak Site
ADDR ID:	260886	**Lat Degrees:**	45
Tank Site:	877	**Lat Minutes:**	1
Interest Phone:	NO CORE PI PH.	**Lat Seconds:**	21.66
Interest Start Dt:	02/18/1992 14:52:39	**Long Degrees:**	-93
Interest End Dt:	11/09/2006 14:18:54	**Long Minutes:**	8
Active?:	No	**Long Seconds:**	54.53
Timestamp Added:	11/09/2006 14:18:54	**Lat/Long Source:**	CORE
Timestamp Updt:	11/10/2014 08:17:05	**Lat/Long Site ID:**	216590
Staff ID Updt:	RGAGLE	**Lat/Long Spatial ID:**	51649999
Source:	CORE	**Collection Date:**	03/29/2010 17:52:59
Coord Src Type:		**Map Scale Code:**	
Coord Src Desc:		**Org Name Source:**	
Foreign State:		**Foreign Zone:**	
FIPS County Cd1:	123		

Addr Timestmp Add: 08/29/2006 07:44:42
Addr Timestamp Lst Updt: 11/04/2008 21:13:54

Addr Updater Staff ID:	SYSTEM
Lat/Long Timestamp Added:	03/29/2010 19:00:57
Lat/Long Tmstmp Last Upd:	03/29/2010 19:00:57
Lat/Long Updater Staff ID:	MAPT_NC
Lat/Long Desc:	
Coord Coll Method Desc:	Address Matching House Number
Coord Coll Method Code:	A1
Comments:	

Leak Site

Complete Site Closure Date:	04/19/1990 00:00:00
Cond Closure Date:	
Release Discovered Date:	
Leaksite Type Code:	1
Leaksite Type Desc:	Leak Site
Leak Report Date:	12/13/1988 00:00:00
Tank Reg Status Code:	F
TMSP Added:	12/04/1999 14:03:43
TMSP Last Updt:	05/04/2002 09:02:25
CU Yds Excavated Qty:	100
ENF Action Begin Date:	01/01/1901 00:00:00
Residence Type Code:	
File Archive Box:	08
File Archive Lot:	94/372
Soil Digout Date:	12/19/1988 00:00:00
Staff ID Last Updt:	TANKS
Std Letter Response Date:	
VPIC Acres:	
VPIC Application Date:	
Contam Soils Remaining Flag:	N
Indoor Air Collected Flag:	
LUST Trust Eligible Flag:	Yes
Offsite Contam Flag:	N
REIMB Awarded Flag:	No
Release From AST Flag:	No
Release From UST Flag:	No
Soil Gas Action Level Flag:	
Soil Gas Data Collected Flag:	
Sub Slab Sample Collected Flag:	
Surface Water Impact Flag:	U
Utility Project Flag:	No
Vapor Intrusion Action Flag:	
Vapor Intrusion Checked Flag:	
Leaksite Type Defn:	Leak site (tank and petroleum contamination).
Soil Gas Data Comments:	
Vapor Intrusion Comments:	

Leak Product Rls

Product Rls Seq ID:	401432
Leak Product Desc:	Gasoline, Type Unknown
Leak Product Defn:	The product is an unknown type of gasoline.

Leak GW Info

Well Type Code:	
Affected Non Res Props:	
Affected Residential Props:	
Staff ID Last Updt:	RSUCHAN
Staff ID Wellhead Area Assess:	
TMSP Added:	12/04/1999 14:07:27
TMSP Last Updt:	11/04/2003 12:57:06
Water Supply Exceeds Ral	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Flag:
Cleanup Goal Achieved Flag:
DW Supply Contam Flag:
Free Product at Close Flag:
Free Product Observed Flag: N
Free Product Thickness:
Ground Water Contam Flag: N
GW Cleanup Goal: 0
GW Exceeds Cleanup Goal Flag: No
Impacted Aquifer Code:
MTBE High Level Date:
MTBE High Ug Per Liter Char:
MTBE High Ug Per Liter Numb:
MTBE Present Historically Flag:
MTBE Present Now Flag:
Protected Area Flag:
PWS Well Impacted Flag:
Sensitive Area Flag:

24	2 of 5	WSW	0.47 / 2,499.87	931.97 / 44	**Roseville city of** **1140 Woodhill Dr** **Roseville MN 55113**	MPCA AI

Item ID: 41744-AISI0000041744
Agency Interest ID: 41744
Status: Active
Status Dat:
Document ID: 0
Program: HW
MPCA Program Desc: Hazardous Waste
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 41744
Subj Item Type Dsc: Conventional Site
Subj Item Designtn:
Description:
Ref Code: GEN
Ref Desc: General Location
Verified: No
Collection: 27-Sep-2015
Tmsp Creat: 14-Oct-1999
User Creat: DELTA_M_R1
Tmsp Updt: 12-Aug-2016
User Updt: kkircho
Spatial ID: 47230
Method Code: A1
Subject Item Category Desc: Agency Interest
Location Description:

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020603
HUC12: 070102060306
HUC12 Name: Long Lake-Rice Creek
DWSMA Code:
DWSMA Name:
TRDSQQ:
PLS Township:
PLS Range:
PLS Range Direction:
PLS Section:
PLS Quarters:
Latitude: 45.022524
Longitude: -93.1487602
Method Desc: Address Matching House Number

24	3 of 5	WSW	0.47 / 2,499.87	931.97 / 44	**City Of Roseville Maintenance Garage** **1140 W Woodhill Dr** **Roseville MN 55113**	MPCA AI

Item ID: 112578-AISI0000112578
Agency Interest ID: 112578
Status: Active
Status Dat:
Document ID: 0
Program: BA, PR, UT
MPCA Program Desc: BA, Petroleum Remediation, Underground Tanks
Subject Item Type: CON
Subject Item Ctgry: AISI
Subject Item ID: 112578

County Code: 123
County: Ramsey
CTU Code: 239643
CTU Name: Roseville
Congress District Cd: 4
House District: 42B
Senate District: 42
HUC8: 07010206
HUC8 Name: Mississippi River - Twin Cities
HUC10: 0701020603

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	28-Jun-2016	**PLS Range:**	
Tmsp Creat:	29-Aug-2006	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	28-Jun-2016	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.02269397
Spatial ID:	51376543	**Longitude:**	-93.14845095
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	4 of 5	WSW	0.47 / 2,499.87	931.97 / 44	Roseville city of 1140 Woodhill Dr Roseville MN 55113	MPCA AI

Item ID:	41745-AISI0000041745	**County Code:**	123
Agency Interest ID:	41745	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	HW	**House District:**	42B
MPCA Program Desc:	Hazardous Waste	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	41745	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	27-Sep-2015	**PLS Range:**	
Tmsp Creat:	14-Oct-1999	**PLS Range Direction:**	
User Creat:	DELTA_M_R1	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.022524
Spatial ID:	47231	**Longitude:**	-93.1487602
Method Code:	A1	**Method Desc:**	Address Matching House Number
Subject Item Category Desc:	Agency Interest		
Location Description:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	5 of 5	WSW	0.47 / 2,499.87	931.97 / 44	City Of Roseville-maint Garage 1140 W Woodhill Dr Roseville MN 55113	LST REM SITE

Item ID:	112578-AREA0000000001	**Federal Re:**	Yes
Project ID:	LS0000877	**Fed State:**	
Project Type:	Leak Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02269397
Petrol Brownfield?:		**Longitude:**	-93.14845095
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	City Of Roseville-maint Garage		
Site Address 1:	1140 W Woodhill Dr		
Site Address 2:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site City: Roseville
Site State: MN
Site Zip: 55113
Site County: Ramsey
Project Name(RAP):
Address1 (RAP):
Address2(RAP):
City (RAP):
State (RAP):
Zip (RAP):
Project Ma: Diana Eichfeld (no longer at MPCA)
Data Source: MPCA Remediation Sites

Remediation Sites Details

Activity ID: 112578
SI ID: 1
Si Cat: AREA
SI Type: LEAK
Site Type: CON
Acreage: 0
HRS Score: 0
Score Year:
DWSMA Code:
DWSMA Name:
Cong Dist: 4
House Dist: 42B
Senate Dis: 42
HUC 8: 07010206
HUC 10: 0701020603
HUC 12: 070102060306
AI Name: City Of Roseville Maintenance Garage
Loc Desc:
Method Des: Address Matching House Number
Huc8 Name: Mississippi River - Twin Cities
Huc12 Name: Long Lake-Rice Creek
Hydrologis: Shiela Grow (no longer at MPCA)
WIMN Url: https://webapp.pca.state.mn.us/wimn/site/112578

Spatial Remediation Activity

AI ID: 112578
Site ID: LS0000877
SI ID: 1
SI Cat: AREA
NFA Decisi:
Site Close: 19-Apr-1990
Leak Discovered:
Leak Reported: 13-Dec-1988
Leak Reopened:
Activity No: 1
Activity ID: SIW19880001
Activity Type: Leak Site Investigation
Activity Code: SIW
Activity Year: 1988
Discovered:
Site Start: 13-Dec-1988
Remedy Imp:
Remedy Sel:
ASMT Compl:
Received:
NPL List:
NPL Delete:
PLP List:
PLP Delist:
Staff Assi:
FF Aproved:
FF Closed:
Inv Comple:
App Comple:
Er Site Ev:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	1 of 4	SW	0.48 / 2,530.48	902.26 / 14	Josephine Woods Development NW of Lexington and County Rd C Roseville MN 55113	VIC

Item ID: 188132-AREA0000000001
Project ID: VP27280
Project Type: Brownfield Site
Project ID (RAP): VP27280
Project Type (RAP): Brownfield Site
Site Status: Closed
Perm List of Prior?:
Petrol Brownfield?:
VIC Site?: Yes
Sf Volunta:
Inst Controls?:
State Reg: Yes
Project Name: Josephine Woods Development
Federal Re:
Fed State:
Non Reg:
SEMS?:
NPL:
Unpermitted Dump?:
Latitude: 45.02913585
Longitude: -93.14996368
County (RAP): Ramsey
Latitude (RAP): 45.02913585
Longitude (RAP): -93.14996368

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Address 1:	NW of Lexington and County Rd C
Site Address 2:	
Site City:	Roseville
Site State:	MN
Site Zip:	55113
Site County:	Ramsey
Project Name(RAP):	Josephine Woods Development
Address1 (RAP):	NW of Lexington and County Rd C
Address2(RAP):	
City (RAP):	Roseville
State (RAP):	MN
Zip (RAP):	55113
Project Ma:	
Data Source:	MPCA Remediation Sites; MPCA Remediation Sites with RAP approvals

Remediation Sites Details

Activity ID:	188132	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	13	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020603
Score Year:		**HUC 12:**	070102060306
AI Name:	Josephine Woods		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Rick Jolley (former)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/188132		

Remediation Sites with RAP Approval

Activity ID:	188132
Rap Date:	8/23/2011
Parcels:	03-29-23-14-00021
AI Name:	Josephine Woods
Coord Collection Method:	Digitized - MPCA internal mapping application
WIMN:	https://webapp.pca.state.mn.us/wimn/site/188132

Spatial Remediation Activity

AI ID:	188132	**Site Start:**	25-May-2011
Site ID:	VP27280	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	25-May-2011
Site Close:	23-Feb-2012	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	2	**Staff Assi:**	
Activity ID:	SIW20110002	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2011	**App Comple:**	
Discovered:		**Er Site Ev:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	2 of 4	SW	0.48 / 2,530.48	902.26 / 14	**Josephine Woods** **NW of Lexington and County Rd C** **Roseville MN 55113**	BROWNFIELDS

Item ID:	188132-AREA0000000002	**Federal Re:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Project ID:	PB3957	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):		**SEMS?:**	
Project Type (RAP):		**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02914194
Petrol Brownfield?:	Yes	**Longitude:**	-93.14997873
VIC Site?:		**County (RAP):**	
Sf Volunta:		**Latitude (RAP):**	
Inst Controls?:		**Longitude (RAP):**	
State Reg:			
Project Name:	Josephine Woods		
Site Address 1:	NW of Lexington and County Rd C		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Stacey VanPatten (former)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	188132	**DWSMA Code:**	
SI ID:	2	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42
Acreage:	13	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020603
Score Year:		**HUC 12:**	070102060306
AI Name:	Josephine Woods		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:			
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/188132		

Spatial Remediation Activity

AI ID:	188132	**Site Start:**	26-Apr-2011
Site ID:	PB3957	**Remedy Imp:**	
SI ID:	2	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	
Site Close:	17-May-2011	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	1	**Staff Assi:**	26-Apr-2011
Activity ID:	SIW20110001	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2011	**App Comple:**	26-Apr-2011
Discovered:		**Er Site Ev:**	

25	*3 of 4*	*SW*	*0.48 / 2,530.48*	*902.26 / 14*	***Josephine Woods*** ***NW of Lexington and County Rd C*** ***Roseville MN 55113***	***MPCA AI***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Item ID:	188132-AISI0000188132	**County Code:**	123
Agency Interest ID:	188132	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	BV	**House District:**	42B
MPCA Program Desc:	Brownfields	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	188132	**HUC10:**	0701020603
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060306
Subj Item Designtn:		**HUC12 Name:**	Long Lake-Rice Creek
Description:		**DWSMA Code:**	
Ref Code:	GEN	**DWSMA Name:**	
Ref Desc:	General Location	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	25-Apr-2016	**PLS Range:**	
Tmsp Creat:	31-May-2011	**PLS Range Direction:**	
User Creat:	DELTA_M_R2	**PLS Section:**	
Tmsp Updt:	26-Apr-2016	**PLS Quarters:**	
User Updt:	spatial_	**Latitude:**	45.029129
Spatial ID:	60247289	**Longitude:**	-93.1499444
Method Code:	DM	**Method Desc:**	Digitized - MPCA internal map
Subject Item Category Desc:	Agency Interest		
Location Description:			

25	4 of 4	SW	0.48 / 2,530.48	902.26 / 14	**Josephine Woods Development** **NW of Lexington and County Rd C** **Roseville MN 55113**	**BROWNFIELDS**

Item ID:	188132-AREA0000000001	**Federal Re:**	
Project ID:	VP27280	**Fed State:**	
Project Type:	Brownfield Site	**Non Reg:**	
Project ID (RAP):	VP27280	**SEMS?:**	
Project Type (RAP):	Brownfield Site	**NPL:**	
Site Status:	Closed	**Unpermitted Dump?:**	
Perm List of Prior?:		**Latitude:**	45.02913585
Petrol Brownfield?:		**Longitude:**	-93.14996368
VIC Site?:	Yes	**County (RAP):**	Ramsey
Sf Volunta:		**Latitude (RAP):**	45.02913585
Inst Controls?:		**Longitude (RAP):**	-93.14996368
State Reg:	Yes		
Project Name:	Josephine Woods Development		
Site Address 1:	NW of Lexington and County Rd C		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):	Josephine Woods Development		
Address1 (RAP):	NW of Lexington and County Rd C		
Address2(RAP):			
City (RAP):	Roseville		
State (RAP):	MN		
Zip (RAP):	55113		
Project Ma:			
Data Source:	MPCA Remediation Sites; MPCA Remediation Sites with RAP approvals		

Remediation Sites Details

Activity ID:	188132	**DWSMA Code:**	
SI ID:	1	**DWSMA Name:**	
Si Cat:	AREA	**Cong Dist:**	4
SI Type:	BROW	**House Dist:**	42B
Site Type:	CON	**Senate Dis:**	42

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Acreage:	13	**HUC 8:**	07010206
HRS Score:	0	**HUC 10:**	0701020603
Score Year:		**HUC 12:**	070102060306
AI Name:	Josephine Woods		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Rick Jolley (former)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/188132		

Remediation Sites with RAP Approval

Activity ID:	188132
Rap Date:	8/23/2011
Parcels:	03-29-23-14-00021
AI Name:	Josephine Woods
Coord Collection Method:	Digitized - MPCA internal mapping application
WIMN:	https://webapp.pca.state.mn.us/wimn/site/188132

Spatial Remediation Activity

AI ID:	188132	**Site Start:**	25-May-2011
Site ID:	VP27280	**Remedy Imp:**	
SI ID:	1	**Remedy Sel:**	
SI Cat:	AREA	**ASMT Compl:**	
NFA Decisi:		**Received:**	25-May-2011
Site Close:	23-Feb-2012	**NPL List:**	
Leak Discovered:		**NPL Delete:**	
Leak Reported:		**PLP List:**	
Leak Reopened:		**PLP Delist:**	
Activity No:	2	**Staff Assi:**	
Activity ID:	SIW20110002	**FF Aproved:**	
Activity Type:	Brownfield Site	**FF Closed:**	
Activity Code:	SIW	**Inv Comple:**	
Activity Year:	2011	**App Comple:**	
Discovered:		**Er Site Ev:**	

26	1 of 1	SW	0.48 / 2,549.11	901.19 / 13	**Roseville - Senior Luxury Rentals** **Lexington Ave and County Road C** **NE Corner of Intersection** **Roseville MN 55113**	MPCA AI

Item ID:	227941-AISI0000227941	**County Code:**	123
Agency Interest ID:	227941	**County:**	Ramsey
Status:	Active	**CTU Code:**	239643
Status Dat:		**CTU Name:**	Roseville
Document ID:	0	**Congress District Cd:**	4
Program:	CS	**House District:**	42B
MPCA Program Desc:	Construction Stormwater	**Senate District:**	42
Subject Item Type:	CON	**HUC8:**	07010206
Subject Item Ctgry:	AISI	**HUC8 Name:**	Mississippi River - Twin Cities
Subject Item ID:	227941	**HUC10:**	0701020608
Subj Item Type Dsc:	Conventional Site	**HUC12:**	070102060801
Subj Item Designtn:		**HUC12 Name:**	Vadnais Lake
Description:		**DWSMA Code:**	
Ref Code:	CEN	**DWSMA Name:**	
Ref Desc:	Center of Feature Represented	**TRDSQQ:**	
Verified:	No	**PLS Township:**	
Collection:	13-Dec-2018	**PLS Range:**	
Tmsp Creat:	13-Dec-2018	**PLS Range Direction:**	
User Creat:	RSP	**PLS Section:**	
Tmsp Updt:	13-Dec-2018	**PLS Quarters:**	
User Updt:	geo_nc	**Latitude:**	45.021047
Spatial ID:		**Longitude:**	-93.146014
Method Code:	DP	**Method Desc:**	Digitized - MPCA online map

Subject Item Category Desc: Agency Interest
Location Description: NE corner of intersection of Lexington Ave and County Road C. A previous address of a house that was demolished on the construction site was:2654 Lexington Ave, Roseville, Minneapolis, MN 55113. *** Note:many records provided by the department have a truncated LOC_DESC field.

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
BROWNFIELDS	Lexington Woods Park	SE quadrant of Lexington Ave. and CR C2	Roseville MN	55113	886073666
ERNS		ST. PAUL YARD / C2 TRACK	ST. PAUL MN		806723029
HIST SPL	City of Roseville Public Works	Lake Owasso - Owasso Blvd ***Program Int ID:*** 186731	Roseville MN		819441497
MPCA AI	Roseville Crossing	E of Lincoln Dr between County Road C & Terrace Dr	Roseville MN	55113	825258151
SPILLS	CITY OF ROSEVILLE PUBLIC WORKS	Lake Owasso - Owasso Blvd MN	Roseville MN		860690497
SPILLS		off South Owasso Blvd near Rice St MN	Saint Paul MN		860653640
VIC	Lexington Woods Park	SE quadrant of Lexington Ave. and CR C2	Roseville MN	55113	886040301

Unplottable Report

Site: ***Lexington Woods Park***
SE quadrant of Lexington Ave. and CR C2 Roseville MN 55113

BROWNFIELDS

Item ID:	232080-AREA0000000002	***Federal Re:***	
Project ID:	BF0001668	***Fed State:***	
Project Type:	Brownfield Site	***Non Reg:***	
Project ID (RAP):		***SEMS?:***	
Project Type (RAP):		***NPL:***	
Site Status:	Active / Existing	***Unpermitted Dump?:***	
Perm List of Prior?:		***Latitude:***	45.02603841
Petrol Brownfield?:	Yes	***Longitude:***	-93.14631876
VIC Site?:	Yes	***County (RAP):***	
Sf Volunta:		***Latitude (RAP):***	
Inst Controls?:		***Longitude (RAP):***	
State Reg:			
Project Name:	Lexington Woods Park		
Site Address 1:	SE quadrant of Lexington Ave. and CR C2		
Site Address 2:			
Site City:	Roseville		
Site State:	MN		
Site Zip:	55113		
Site County:	Ramsey		
Project Name(RAP):			
Address1 (RAP):			
Address2(RAP):			
City (RAP):			
State (RAP):			
Zip (RAP):			
Project Ma:	Amy Hadiaris (current), Mark Koplitz (current)		
Data Source:	MPCA Remediation Sites		

Remediation Sites Details

Activity ID:	232080	***DWSMA Code:***	
SI ID:	2	***DWSMA Name:***	
Si Cat:	AREA	***Cong Dist:***	4
SI Type:	BROW	***House Dist:***	42B
Site Type:	CON	***Senate Dis:***	42
Acreage:	2.19	***HUC 8:***	07010206
HRS Score:	0	***HUC 10:***	0701020603
Score Year:		***HUC 12:***	070102060306
AI Name:	Lexington Woods		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Sara Nelson (current)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/232080		

Spatial Remediation Activity

AI ID:	232080	***Site Start:***	24-Sep-2020
Site ID:	BF0001668	***Remedy Imp:***	
SI ID:	2	***Remedy Sel:***	
SI Cat:	AREA	***ASMT Compl:***	
NFA Decisi:		***Received:***	
Site Close:		***NPL List:***	
Leak Discovered:		***NPL Delete:***	
Leak Reported:		***PLP List:***	
Leak Reopened:		***PLP Delist:***	

Activity No:	1	***Staff Assi:***	28-Sep-2020
Activity ID:	SIW20200001	***FF Aproved:***	
Activity Type:	Brownfield Site	***FF Closed:***	
Activity Code:	SIW	***Inv Comple:***	
Activity Year:	2020	***App Comple:***	24-Sep-2020
Discovered:		***Er Site Ev:***	

Site:

ST. PAUL YARD / C2 TRACK ST. PAUL MN

ERNS

NRC Report No:	486598	***Latitude Degrees:***	
Type of Incident:	RAILROAD	***Latitude Minutes:***	
Incident Cause:	OTHER	***Latitude Seconds:***	
Incident Date:	6/8/1999 1:05:00 AM	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Direction from City:		***Location Section:***	
Location County:	RAMSEY	***Location Township:***	
Potential Flag:		***Location Range:***	
Year:	Year 1999 Reports		

Description of Incident: DAMAGED COMBINE / ONE TRAIN SIDE SWIPED ANOTHER KNOCKING CAR ON ITSSIDE AND DAMAGING COMBINE

Material Spill Information

Chris Code:	OHY	***Unit of Measure:***	GALLON(S)
CAS No:		***If Reached Water:***	YES
UN No:		***Amount in Water:***	0
Name of Material:	HYDRAULIC OIL	***Unit Reach Water:***	NONE
Amount of Material:	2		

Calls Information

Date Time Received:	6/8/1999 3:31:46 AM	***Responsible City:***	MINNEAPOLIS
Date Time Complete:	6/8/1999 3:38:48 AM	***Responsible State:***	MN
Call Type:	INC	***Responsible Zip:***	55440
Resp Company:	CP RAIL	***Source:***	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	Y
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	

Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:	UNKNOWN	***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	U	***Yard Foreman Test:***	
Railroad Hotline:	No	***RCL Operator Test:***	
Railroad Milepost:	406.5	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:	UNKNOWN	***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	BUCKET PLACED UNDERNEATH / SOAKED INTO BALLAST	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evacu:		***Air Temperature:***	
Any Injuries:	U	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	U	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:		***Sheen Odor Desc:***	
Medium Desc:	LAND	***Duration Unit:***	
Addl Medium Info:	BALLAST	***Additional Info:***	TRAIN 200 PULLING OUT WAS STRUCK BY A YARD JOB

Site: ***City of Roseville Public Works***
Lake Owasso - Owasso Blvd Roseville MN

HIST SPL

Program Int ID:	186731	***Tmsp Added:***	01/06/1999 10:44:09
Site ID:	0	***TMSP Update:***	03/05/2009 13:43:24
Interest Type:	Spill Site	***Prgm Int Source:***	TALES
Preferred ID:	29664	***Address Source:***	TALES
Active?:		***Interest Phone:***	

Interest Start:	01/06/1999 10:44:09	***Township:***	
Interest End:		***County:***	Ramsey
Comments:	A FORCE MAIN BREAK. STORM SEWER GOES TO LAKE OWASSO. 5-6 CYCLES\n\nPER HOUR. SANITARY-STORM SEWER. 3-5000 GALS SO FAR		

Spill Site

Spill Site Closure Date:	01/05/1999 00:00:00
Spill Date:	01/04/1999 00:00:00
Spill Reported Date:	01/05/1999 00:00:00
Priority Code:	3
MPCA Involvement:	
Initial Cause:	PIPELINE BREAK/LEAK
Initial Source:	Hose Or Pipe, Not Tank Related
Public Safety Spill ID:	
Duty Officer Report Number:	
Spill Reported by:	DUANE SCHWARTZ, CITY OF ROSEVILLE PUBLIC WORKS
Report Taken By Initials:	3075
Rpt Taken by Duty Officer Flag:	
MPCA Project Manager:	3075
Tmsp Added:	01/06/1999 10:44:09
Tmsp Last Updt:	04/11/2007 08:23:02
Staff ID Last Updt:	RSUCHAN
Rep Name:	
Rep Phone:	
Archive Lot:	
Archive Box:	
Response Desc:	

Spill Released Product

Spill Product:	Sewage Or Wastewater
Spill Released Quantity:	4000
Spill Qty Units:	Gallons
Spill Incident Accuracy:	Estimated
Date Added:	01/06/1999 10:44:09
Last Update:	05/04/2002 07:31:00
Staff ID Last Update:	TANKS

Spill Incident Affected

Spill Incident Affect:	Sewer
Date Added:	01/06/1999 10:44:09
Last Update:	05/04/2002 07:31:00
Staff ID Last Update:	TANKS

Spill Action

Spill Action:	None, No File
Spill Action Person:	
Date Added:	01/06/1999 10:44:09
Last Update:	05/04/2002 07:31:00
Staff ID Last Update:	TANKS

Site: ***Roseville Crossing***
E of Lincoln Dr between County Road C & Terrace Dr Roseville MN 55113

MPCA AI

Item ID:	2687-AISI0000002687	***County Code:***	123
Agency Interest ID:	2687	***County:***	Ramsey
Status:	Inactive	***CTU Code:***	239643
Status Dat:	7/13/2007 2:19:20 PM	***CTU Name:***	Roseville
Document ID:	0	***Congress District Cd:***	4
Program:	CS	***House District:***	66A
MPCA Program Desc:	Construction Stormwater	***Senate District:***	66
Subject Item Type:	CON	***HUC8:***	07010206
Subject Item Ctgry:	AISI	***HUC8 Name:***	Mississippi River - Twin Cities
Subject Item ID:	2687	***HUC10:***	0701020608

Subj Item Type Dsc:	Conventional Site	***HUC12:***	070102060801
Subj Item Designtn:		***HUC12 Name:***	Vadnais Lake
Description:		***DWSMA Code:***	
Ref Code:	GEN	***DWSMA Name:***	
Ref Desc:	General Location	***TRDSQQ:***	
Verified:	No	***PLS Township:***	
Collection:	30-Jun-2016	***PLS Range:***	
Tmsp Creat:	02-Feb-1999	***PLS Range Direction:***	
User Creat:	DELTA_M_R1	***PLS Section:***	
Tmsp Updt:	30-Jun-2016	***PLS Quarters:***	
User Updt:	geo_nc	***Latitude:***	45.01166307
Spatial ID:	7097	***Longitude:***	-93.15922345
Method Code:	Q2	***Method Desc:***	Public Land Survey-Two Quarter
Subject Item Category Desc:	Agency Interest		
Location Description:			

Site: ***CITY OF ROSEVILLE PUBLIC WORKS***
Lake Owasso - Owasso Blvd MN Roseville MN

SPILLS

Incident ID:	29664	***AI ID Source:***	
Incident Status:	Closed or Completed	***Source Address:***	Address Unknown
Incident Type:	Spill or Release	***Source City:***	Roseville
Incident Date:	1/4/1999	***Source State:***	MN
Program:	Emergency Management	***Source Zip:***	
Closure Type:	Response/Action Completed	***Latitude:***	
County:	Ramsey	***Longitude:***	
Coord Method:			

Lead Investigator and Duty Officer

Substances:	4000 gallons Sewage
Duty Officer No:	
Lead Investigator:	Dan Hannan

Site:
off South Owasso Blvd near Rice St MN Saint Paul MN

SPILLS

Incident ID:	68777	***AI ID Source:***	
Incident Status:	Closed or Completed	***Source Address:***	
Incident Type:	Spill or Release	***Source City:***	
Incident Date:	12/19/2006	***Source State:***	
Program:	Emergency Management	***Source Zip:***	
Closure Type:	No Action Necessary	***Latitude:***	
County:	Ramsey	***Longitude:***	
Coord Method:			

Lead Investigator and Duty Officer

Substances:	small amounts Unknown substance
Duty Officer No:	86467
Lead Investigator:	Jason Moran

Site: ***Lexington Woods Park***
SE quadrant of Lexington Ave. and CR C2 Roseville MN 55113

VIC

Item ID:	232080-AREA0000000002	***Federal Re:***	
Project ID:	BF0001668	***Fed State:***	
Project Type:	Brownfield Site	***Non Reg:***	
Project ID (RAP):		***SEMS?:***	
Project Type (RAP):		***NPL:***	
Site Status:	Active / Existing	***Unpermitted Dump?:***	
Perm List of Prior?:		***Latitude:***	45.02603841
Petrol Brownfield?:	Yes	***Longitude:***	-93.14631876
VIC Site?:	Yes	***County (RAP):***	
Sf Volunta:		***Latitude (RAP):***	
Inst Controls?:		***Longitude (RAP):***	

State Reg:	
Project Name:	Lexington Woods Park
Site Address 1:	SE quadrant of Lexington Ave. and CR C2
Site Address 2:	
Site City:	Roseville
Site State:	MN
Site Zip:	55113
Site County:	Ramsey
Project Name(RAP):	
Address1 (RAP):	
Address2(RAP):	
City (RAP):	
State (RAP):	
Zip (RAP):	
Project Ma:	Amy Hadiaris (current), Mark Koplitz (current)
Data Source:	MPCA Remediation Sites

Remediation Sites Details

Activity ID:	232080	***DWSMA Code:***	
SI ID:	2	***DWSMA Name:***	
Si Cat:	AREA	***Cong Dist:***	4
SI Type:	BROW	***House Dist:***	42B
Site Type:	CON	***Senate Dis:***	42
Acreage:	2.19	***HUC 8:***	07010206
HRS Score:	0	***HUC 10:***	0701020603
Score Year:		***HUC 12:***	070102060306
AI Name:	Lexington Woods		
Loc Desc:			
Method Des:	Digitized - MPCA internal map		
Huc8 Name:	Mississippi River - Twin Cities		
Huc12 Name:	Long Lake-Rice Creek		
Hydrologis:	Sara Nelson (current)		
WIMN Url:	https://webapp.pca.state.mn.us/wimn/site/232080		

Spatial Remediation Activity

AI ID:	232080	***Site Start:***	24-Sep-2020
Site ID:	BF0001668	***Remedy Imp:***	
SI ID:	2	***Remedy Sel:***	
SI Cat:	AREA	***ASMT Compl:***	
NFA Decisi:		***Received:***	
Site Close:		***NPL List:***	
Leak Discovered:		***NPL Delete:***	
Leak Reported:		***PLP List:***	
Leak Reopened:		***PLP Delist:***	
Activity No:	1	***Staff Assi:***	28-Sep-2020
Activity ID:	SIW20200001	***FF Aproved:***	
Activity Type:	Brownfield Site	***FF Closed:***	
Activity Code:	SIW	***Inv Comple:***	
Activity Year:	2020	***App Comple:***	24-Sep-2020
Discovered:		***Er Site Ev:***	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Sep 22, 2020

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Sep 22, 2020

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Sep 22, 2020

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Oct 28, 2020

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Oct 28, 2020

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 19, 2020

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Oct 19, 2020

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 19, 2020

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 19, 2020

RCRA Conditionally Exempt and Very Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 19, 2020

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 19, 2020

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 26, 2020

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Aug 26, 2020

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 9, 2020

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 28, 2020

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Sep 22, 2020

State

Minnesota Permanent List of Priorities: PLP

The state Superfund sites in Minnesota are listed on the Minnesota Permanent List of Priorities (PLP). The hazardous waste sites on the PLP are in various stages of remediation. At these sites investigation and cleanup are needed, cleanup is underway, or cleanup has been completed and long-term monitoring or maintenance continues. This data is made available by the Minnesota Pollution Control Agency (MPCA). This database is state equivalent NPL.

Government Publication Date: Nov 13, 2020

Delisted Permanent List of Priorities (PLP): DEL PLP

This list contains sites that were previously included in Permanent List of Priorities (PLP) maintained by Minnesota's Pollution Control Agency (MPCA) but have now been delisted. This database is state equivalent NPL.

Government Publication Date: Nov 13, 2020

MPCA Agency Interests: MPCA AI

Facility, site and project locations from the Minnesota Pollution Control Agency's enterprise database, representing locations associated with waste water, storm water, hazardous waste, feedlot, solid waste, tanks, remediation, and other agency programs.

Government Publication Date: Sep 25, 2020

Minnesota Site Remediation Section Database: SHWS

The Site Remediation Section identifies, investigates, and determines appropriate cleanup plans for abandoned or uncontrolled hazardous waste sites where a release or potential release of a hazardous substance poses a risk to human health or the environment. This data is made available by the Minnesota Pollution Control Agency (MPCA)'s Site Remediation Section. This database is state equivalent CERCLIS.

Government Publication Date: Nov 13, 2020

MPCA Site Assessment Sites: SITE ASSESSMENT

A list of active and closed sites that are currently under site assessment by Minnesota Pollution Control Agency (MPCA) and are a part of MPCA Remediation Sites list.

Government Publication Date: Nov 13, 2020

Permitted Solid Waste Facilities: SWF/LF

A list of permitted solid waste and landfill facilities made available by the Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Dec 23, 2020

Closed Landfills Priority List: LCP

The Minnesota Legislature enacted the Landfill Cleanup Act (LCA) in 1994 to ensure the proper closure and post-closure care at up to 112 closed, permitted municipal sanitary landfills located throughout the state. Based on this legislation, the Minnesota Pollution Control Agency (MPCA) created the Closed Landfill Program (CLP) to administer the LCA mandates. This data made available by The Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Oct 6, 2020

Unpermitted Dump Sites: UNPERMITTED LF

The Minnesota Pollution Control Agency (MPCA) defines "dumps" as those landfills that never held a valid permit from the MPCA. Generally, dumps existed prior to the permitting program established with the creation of the MPCA in 1967. This database made available by Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Historical Leaking Underground Storage Tanks: HIST LUST

A list of leaking underground storage tanks (LUSTs) in the tanks database maintained by the Minnesota Pollution Control Agency (MPCA) up until Nov 01, 2016.

Government Publication Date: Nov 1, 2016

Deleted Leaking Underground Storage Tanks: DEL LUST

A list of leaking underground storage tanks that are often deleted for various reasons. Deletion occurs primarily due to a duplication, or that the source was determined to not be from a tank. This list was provided by Minnesota Pollution Control Agency.

Government Publication Date: Jan 5, 2016

Historical Leaking Aboveground Storage Tanks: HIST LAST

A list of leaking aboveground storage tanks (LASTs) in the tanks database maintained by the Minnesota Pollution Control Agency (MPCA) up until Nov 01, 2016.

Government Publication Date: Nov 1, 2016

Historical Leak Sites: HIST LEAKSITES

A list of leak sites that were neither determined as aboveground nor underground in the tanks database maintained by the Minnesota Pollution Control Agency (MPCA) up until Nov 01, 2016.

Government Publication Date: Nov 1, 2016

MPCA Remediation Leak Sites: LST REM SITE

A list of leak sites in which Minnesota Pollution Control Agency (MPCA) is involved in remediation activities, this list is published by MPCA.

Government Publication Date: Nov 13, 2020

MPCA Tank Incidents: LST INCIDENT

A list of leaking and registered tank sites in Minnesota that includes locations, details of tank installation and construction, and installed safety measures. This list is provided by Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of closed leaking storage tank sites that were removed from the Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Underground Storage Tanks: UST

In Minnesota, there are about 18,000 regulated underground storage tanks (USTs) currently in use. The Underground Storage Tank Program in the Minnesota Pollution Control Agency (MPCA) was created to help prevent contamination caused by leaking tanks. This is a list that contains all regulated USTs. This data made available by The Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Minnesota Above Ground Storage Tanks: AST

There are more than 20,000 regulated above-ground storage tanks (ASTs) currently in use across Minnesota. Most tanks located above ground containing liquid substances (i.e., not gaseous or solid at ambient temperature and pressure) are subject to the Minnesota Pollution Control Agency's (MPCA) rules for design and operation of ASTs. This list contains ASTs regulated by MPCA. This data made available by Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Tank Sites: HIST TANK

A list of tank sites not included in AST or UST, this list maintained by the Minnesota Pollution Control Agency (MPCA) up until Dec 02, 2016.

Government Publication Date: Dec 02, 2016

Delisted Storage Tanks: DELISTED TANK

This database contains a list of storage tank sites that were removed from the Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Sites with Institutional Control Events: INST

A list made available by the Minnesota Pollution Control Agency (MPCA) consisting of remediation sites that have various institutional controls in place.

Government Publication Date: Sep 3, 2020

Voluntary Investigation and Cleanup Program List: VIC

The Minnesota Pollution Control Agency's (MPCA) Brownfield Program consists of an integrated program called the Voluntary Investigation and Cleanup (VIC) Program. This program handles hazardous substance contamination under Minnesota's Environmental Response and Liability Act (Minnesota Statutes § 115B). This database made available by Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Petroleum Brownfields Program Sites: BROWNFIELDS

The Minnesota Pollution Control Agency (MPCA)'s Petroleum Brownfields Program handles petroleum contamination under the Petroleum Tank Release Cleanup Act (Minnesota Statutes § 115C). This data made available by The Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Tribal

Leaking Underground Storage Tanks on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 5, which includes Michigan, Minnesota, and Wisconsin.

Government Publication Date: Apr 14, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 5, which includes Michigan, Minnesota, and Wisconsin.

Government Publication Date: Apr 14, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2020

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Sep 22, 2020

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Aug 24, 2020

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Aug 5, 2020

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: May 1, 2020

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Sep 24, 2020

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

PFAS in Landfills: PFAS LF

A list of sites in the Closed Landfill Program where Per- or polyfluorinated alkyl substances (PFAS) have been detected. This list is made available by the Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Jul 30, 2020

Spills reported to the Pollution Control Agency: SPILLS

The Minn. Stat. §115.061, which has been in effect since 1969, describes the duty of people to notify the Minnesota Pollution Control Agency (MPCA) when spills occur. This is the list of spills reported to MPCA, and the list maintained by The Minnesota Pollution Control Agency (MPCA).

Government Publication Date: Nov 13, 2020

Department of Agriculture Spills: AG SPILLS

The Minnesota Department of Agriculture Incident Response Unit is the regulatory authority of Agricultural Chemical (Ag-Chem) Incidents in Minnesota. This list contains pesticide and fertilizer incidents reported to the Response Unit. This data made available by The Minnesota Department of Agriculture, Incident Response Unit.

Government Publication Date: Sep 29, 2020

Historic spills reported to the Pollution Control Agency: HIST SPL

The Minn. Stat. §115.061, which has been in effect since 1969, describes the duty of people to notify the Minnesota Pollution Control Agency (MPCA) when spills occur. This is the list of spills reported to MPCA, and maintained by The Minnesota Pollution Control Agency (MPCA). This list was maintained till 1 Nov 2016.

Government Publication Date: Nov 1, 2016

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

A list of sites from the Minnesota Groundwater Contamination Atlas where Per- and Polyfluoroalkyl Substances (PFAS) were found in groundwater samples. This list is made available by the Minnesota Pollution Control Agency.

Government Publication Date: Oct 19, 2020

Clandestine Drug Labs: CDL

The Methamphetamine Laboratory Program at the Minnesota Department of Health (MDH) works to protect human health by providing technical advice on the remediation of clandestine methamphetamine production laboratories (meth labs) and decontamination of property exposed to meth lab activities.

Government Publication Date: Aug 26, 2020

Animal Feedlots: FEEDLOTS

The Minnesota Pollution Control Agency (MPCA) tracks locations of animal feedlot facilities. The locations of animal feedlots provide information and context to support decisions on animal health, land use, and maintaining environmental quality.

Government Publication Date: Sep 29, 2020

Tier 2 Report: TIER 2

A list of Tier 2 Facilities in Minnesota. This list is provided by Minnesota Department of Public Safety overseen by the Division of Homeland Security and Emergency Management.

Government Publication Date: May 5, 2020

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

ENVIRONMENTAL RISK INFORMATION SERVICES

FIRE INSURANCE MAPS

Project Property:	Owassa Lake - Roseville Victoria St N Roseville MN
Project No:	22422
Requested By:	Sambatek
Order No:	21011200268
Date Completed:	January 12, 2021

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		21011200268p
Date Completed:		January 12, 2021
Project Number:		22422
Project Property:		Owassa Lake - Roseville Victoria St N Roseville MN
Coordinates:		
	Latitude:	45.02663648
	Longitude:	-93.13817862
	UTM Northing:	4985918.66841 Meters
	UTM Easting:	489114.458281 Meters
	UTM Zone:	UTM Zone 15T
	Elevation:	888.00 ft
	Slope Direction:	SW

Topographic Information....2
Hydrologic Information....4
Geologic Information....7
Soil Information....9
Wells and Additional Sources....20
  Summary....21
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Radon Information....171
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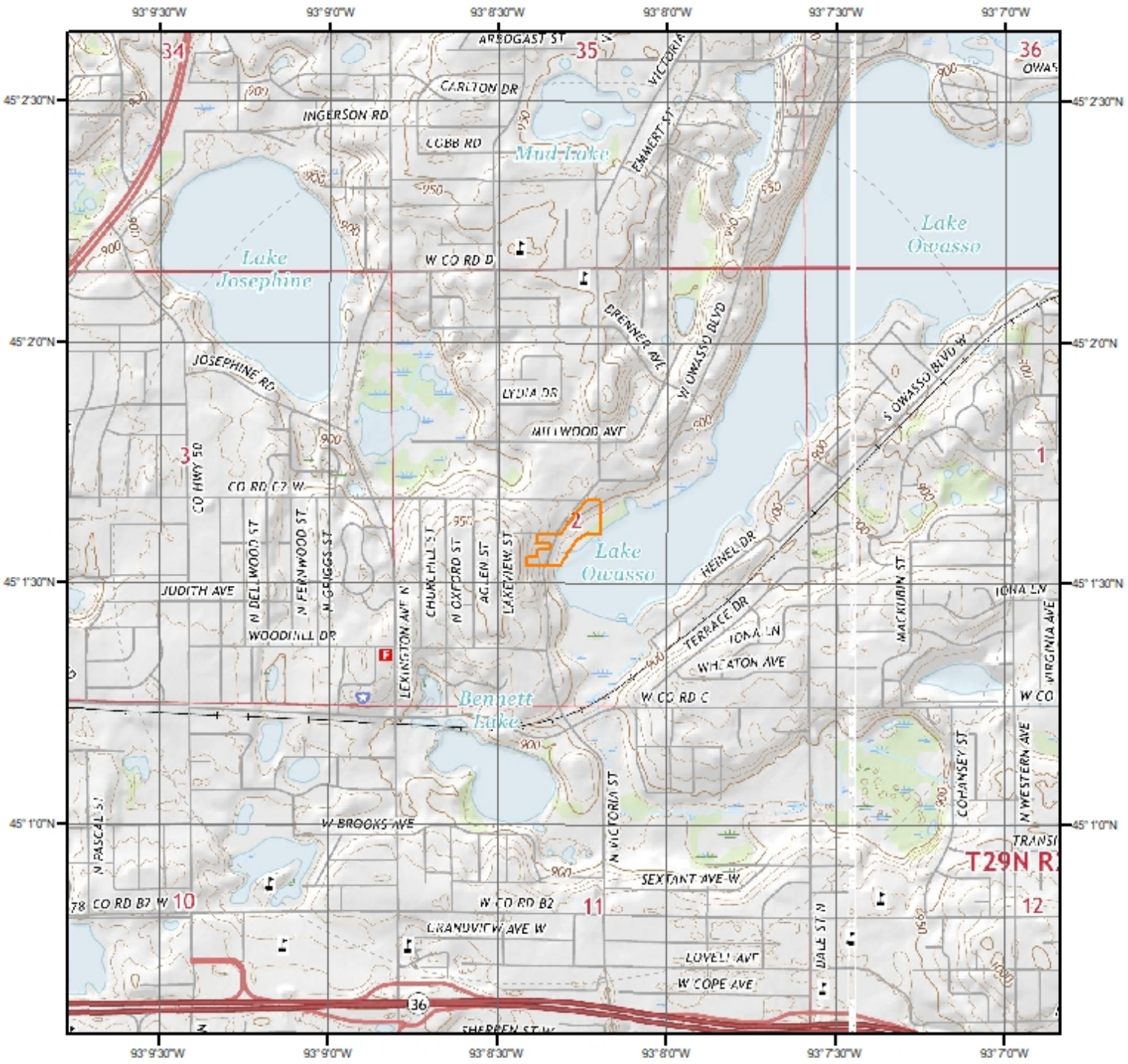
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2016)

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): New Brighton, MN; White Bear Lake West, MN

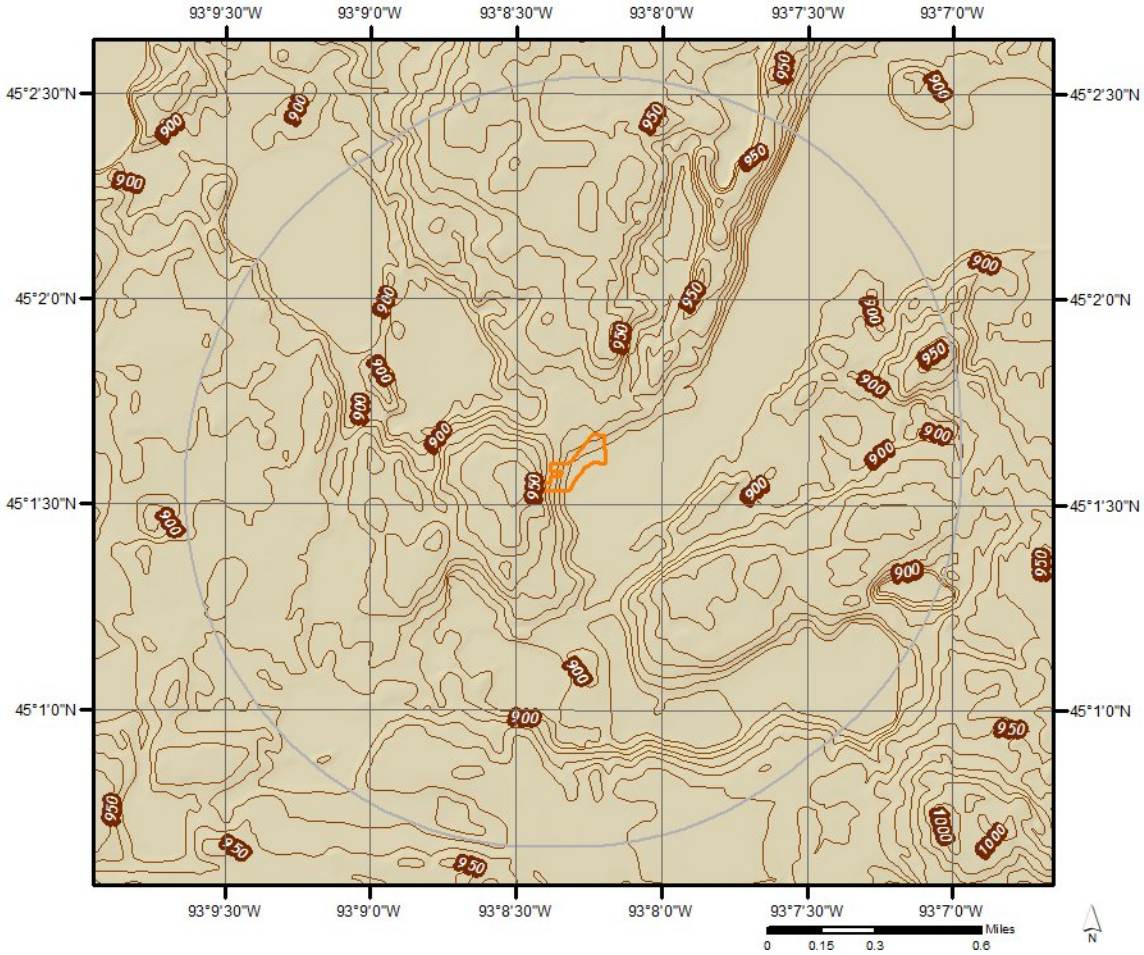
Source: USGS 7.5 Minute Topographic Map

Topographic Information

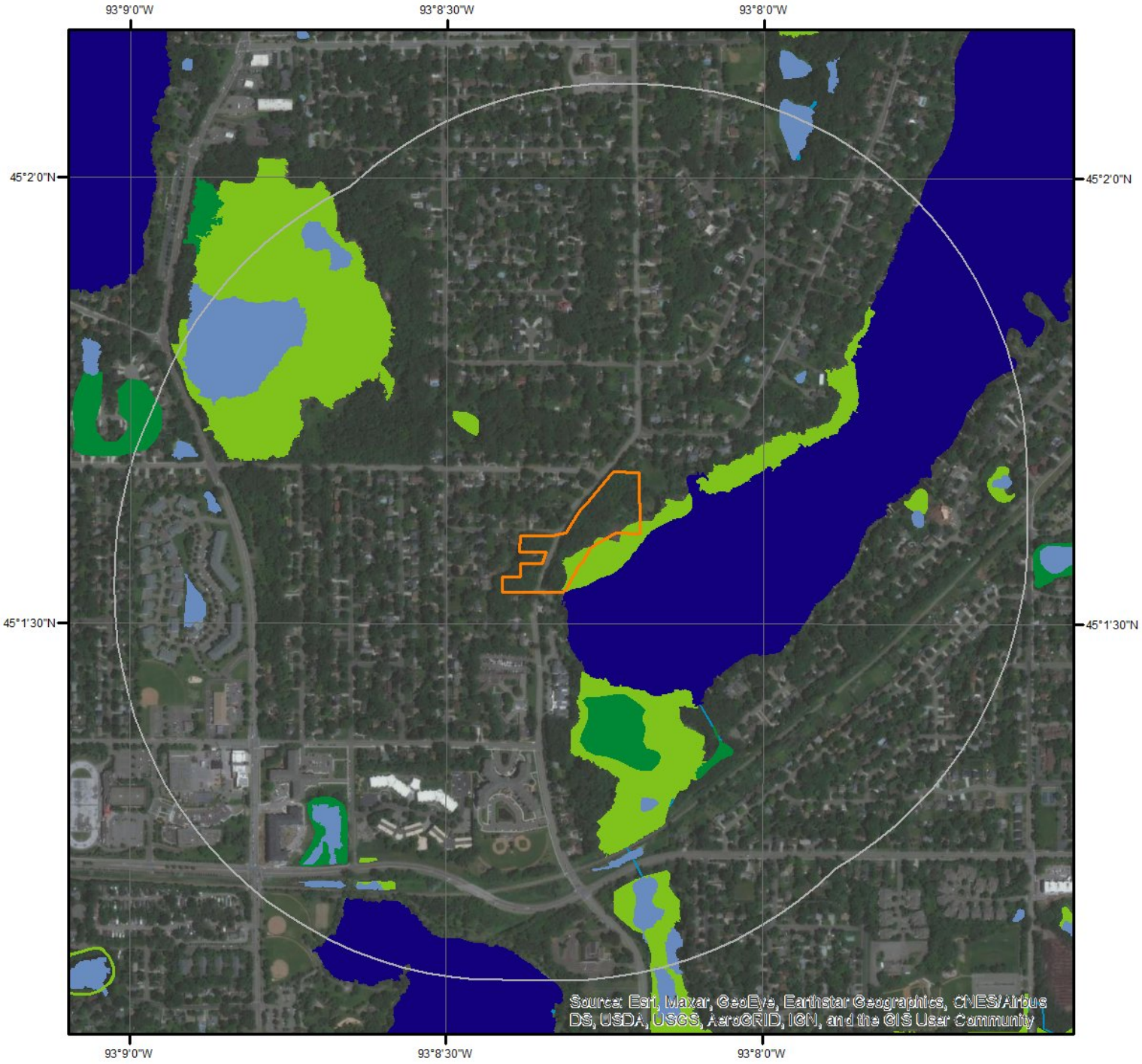
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	888.00 ft
Slope Direction:	SW



Hydrologic Information



Wetland

0 0.075 0.15 0.3 Miles

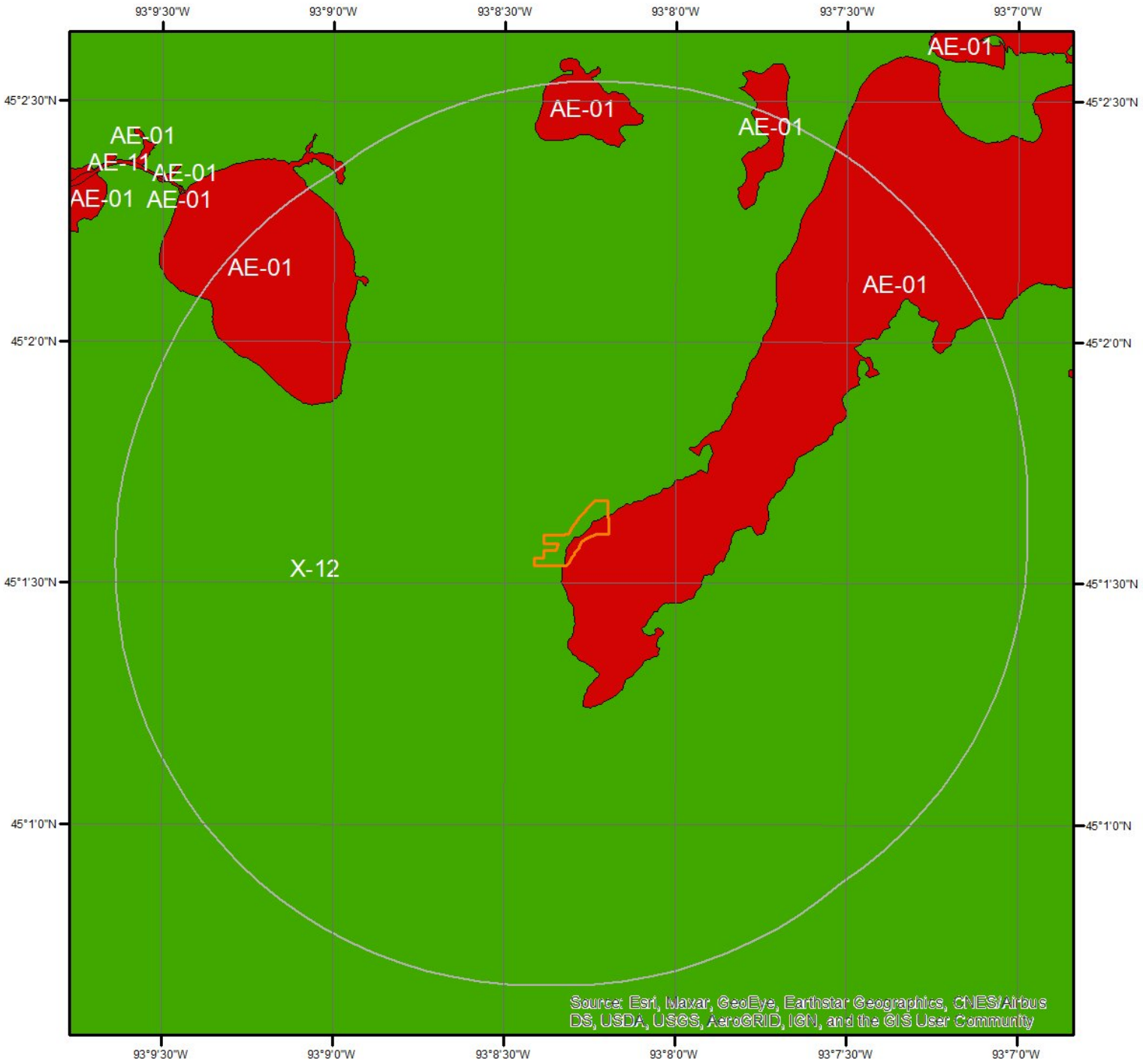
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

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

ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	27123C0036G(effective:2010-06-04) 27123C0020G(effective:2010-06-04) 27123C0038G(effective:2010-06-04) 27123C0016G(effective:2010-06-04) 27003C0425E(effective:2015-12-16) 27163C0225E(effective:2010-02-03) 27053C0250F(effective:2016-11-04) 27003C0450E(effective:2015-12-16)

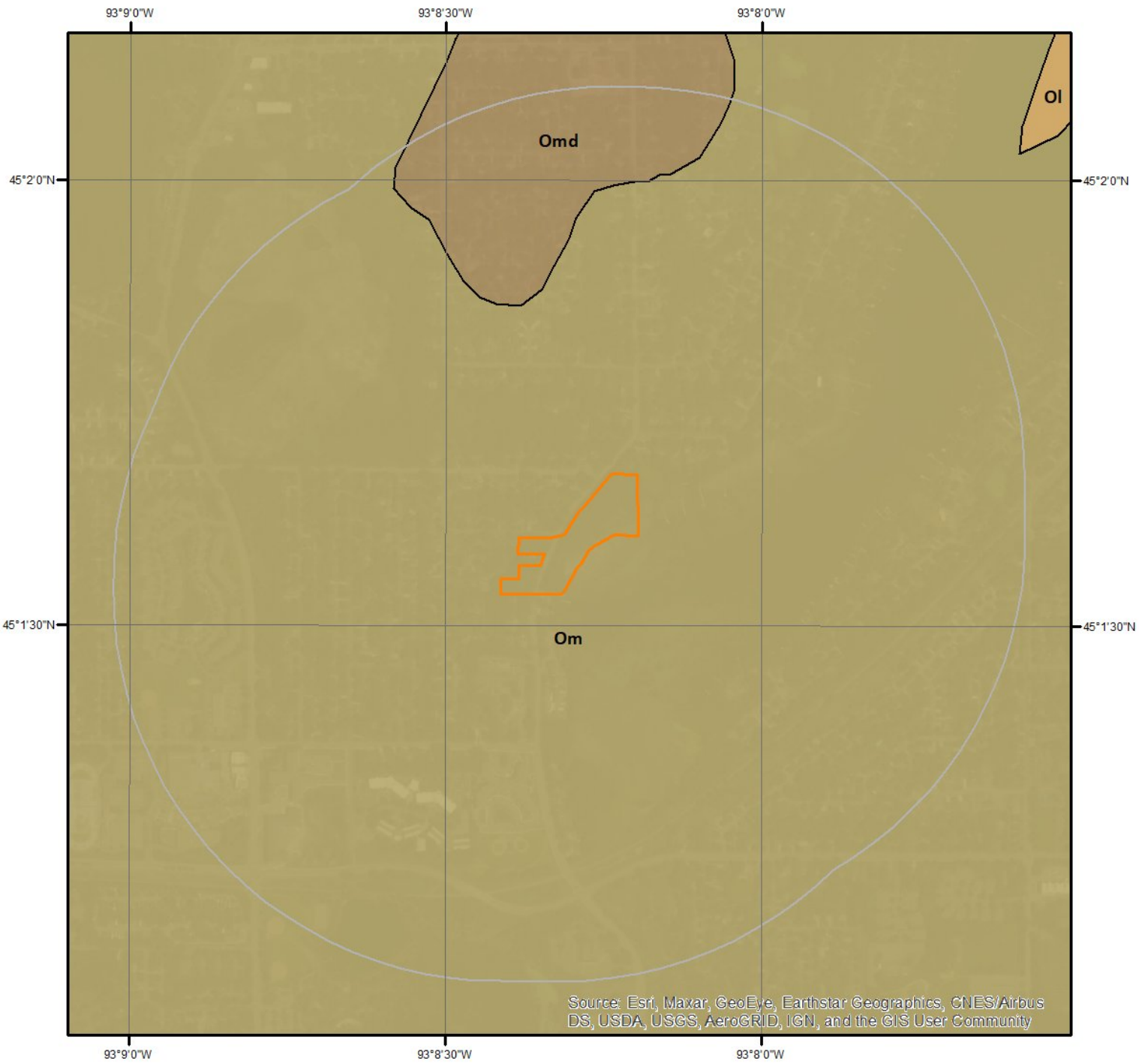
Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



0 0.2 0.4 Miles N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

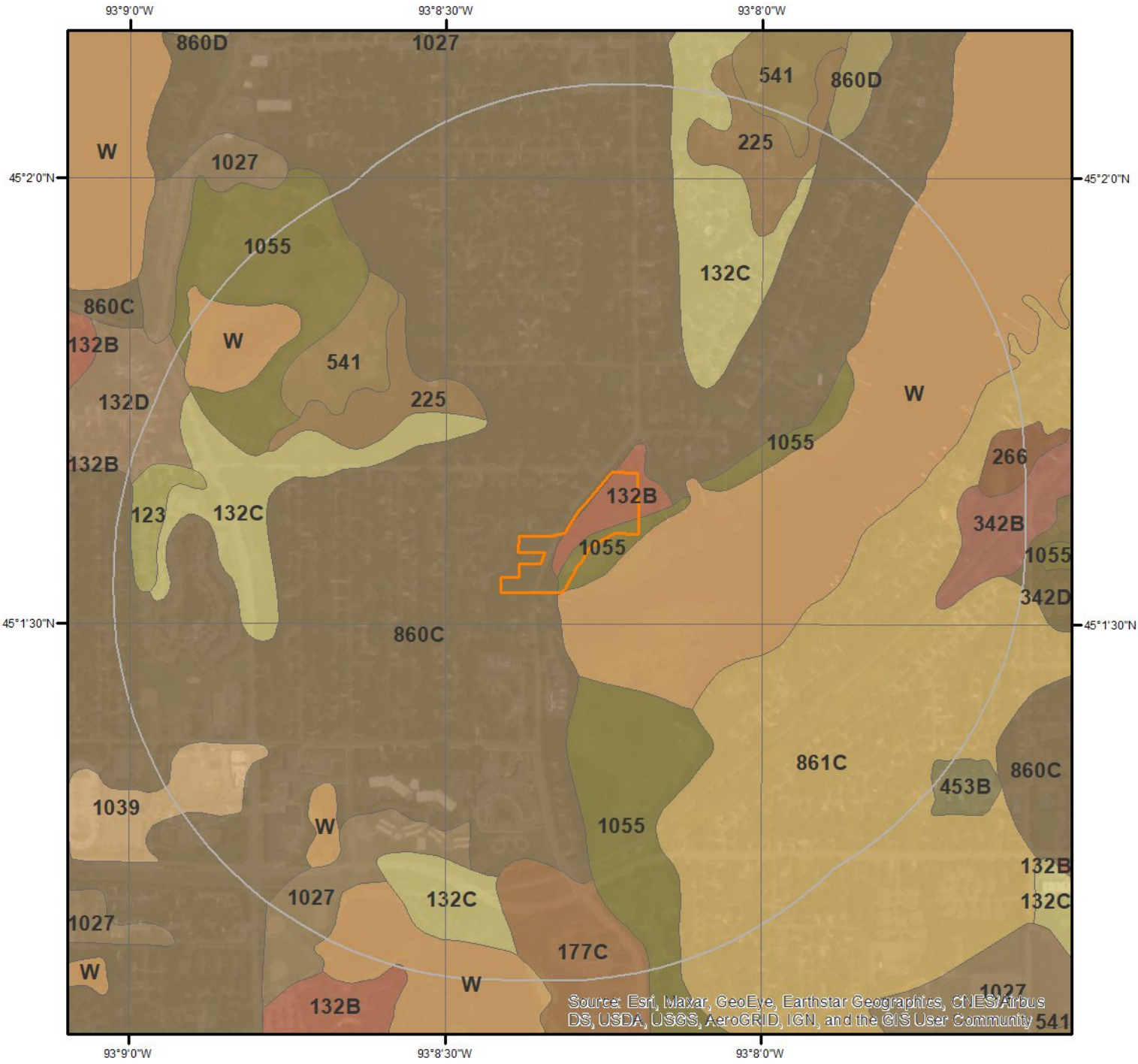
Geologic Unit Om

Unit Name:	Middle Ordovician rocks, undivided
Unit Age:	Middle Ordovician
Primary Rock Type:	sandstone
Secondary Rock Type:	limestone
Unit Description:	Middle Ordovician rocks, undivided - Decorah Shale; limestone of the Platteville Formation; shaly rocks of the Glenwood Formation; and St. Peter Sandstone in the Hollandale embayment of southeastern Minnesota

Geologic Unit Omd

Unit Name:	Decorah Shale (Middle Ordovician)
Unit Age:	Middle Ordovician
Primary Rock Type:	shale
Secondary Rock Type:	limestone
Unit Description:	Decorah Shale (Middle Ordovician) - Light-greenish-gray shale and lesser amounts of coquinoid limestone, especially in the upper half of the formation. Mapped as a separate unit where possible.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 1027 (0.75%)

Map Unit Name: Udorthents, wet substratum

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1027 - Udorthents, wet substratum

Component: Udorthents (90%)
The Udorthents, wet substratum component makes up 90 percent of the map unit. Slopes are 0 to 6 percent. This component is on moraines. Depth to a root restrictive layer is greater than 60 inches. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. This soil does not meet hydric criteria.

Map Unit 1039 (0.72%)

Map Unit Name: Urban land

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1039 - Urban land

Component: Urban land (100%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Map Unit 1055 (3.7%)

Map Unit Name:	Aquolls and histosols, ponded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Aquolls(50%)	
horizon A(0cm to 107cm)	Silty clay loam
horizon Bg(107cm to 127cm)	Clay loam
horizon Cg(127cm to 152cm)	Loam
Histosols(50%)	
horizon Oa1(0cm to 20cm)	Muck
horizon Oa2(20cm to 152cm)	Muck

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: 1055 - Aquolls and histosols, ponded

Component: Aquolls (55%)
The Aquolls, ponded component makes up 50 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 10 percent. Nonirrigated land capability classification is 8w. This soil meets hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 2 percent.

Component: Histosols (45%)
The Histosols, ponded component makes up 50 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions on moraines. The parent material consists of Organic materials. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 62 percent. Nonirrigated land capability classification is 8w. This soil meets hydric criteria.

Map Unit 123 (0.24%)

Map Unit Name:	Dundas fine sandy loam
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Dundas(85%)

horizon Ap(0cm to 23cm)	Fine sandy loam
horizon E(23cm to 33cm)	Sandy clay loam
horizon Btg(33cm to 114cm)	Sandy clay loam
horizon Cg(114cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 123 - Dundas fine sandy loam

Component: Dundas (85%)
The Dundas component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on drainageways on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during April. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil meets hydric criteria.

Component: Bluffton (5%)
Generated brief soil descriptions are created for major components. The Bluffton soil is a minor component.

Component: Cathro (5%)
Generated brief soil descriptions are created for major components. The Cathro soil is a minor component.

Component: Hayden (5%)
Generated brief soil descriptions are created for major components. The Hayden soil is a minor component.

Map Unit 132B (0.92%)

Soil Information

Map Unit Name:	Hayden fine sandy loam, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Hayden(90%)

horizon Ap(0cm to 23cm)	Fine sandy loam
horizon E(23cm to 38cm)	Fine sandy loam
horizon Bt(38cm to 127cm)	Clay loam
horizon C(127cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 132B - Hayden fine sandy loam, 2 to 6 percent slopes

Component: Hayden (90%)
The Hayden component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Bluffton (4%)
Generated brief soil descriptions are created for major components. The Bluffton soil is a minor component.

Component: Rifle (3%)
Generated brief soil descriptions are created for major components. The Rifle soil is a minor component.

Component: Nessel (3%)
Generated brief soil descriptions are created for major components. The Nessel soil is a minor component.

Map Unit 132C (3.56%)

Map Unit Name:	Hayden fine sandy loam, 6 to 12 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Hayden(90%)

horizon Ap(0cm to 10cm)	Fine sandy loam
horizon E(10cm to 30cm)	Fine sandy loam
horizon Bt(30cm to 107cm)	Clay loam
horizon C(107cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 132C - Hayden fine sandy loam, 6 to 12 percent slopes

Component: Hayden (90%)
The Hayden component makes up 90 percent of the map unit. Slopes are 6 to 12 percent. This component is on moraines. The parent

material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Bluffton (3%)
Generated brief soil descriptions are created for major components. The Bluffton soil is a minor component.

Component: Braham (3%)
Generated brief soil descriptions are created for major components. The Braham soil is a minor component.

Component: Nessel (2%)
Generated brief soil descriptions are created for major components. The Nessel soil is a minor component.

Component: Rifle (2%)
Generated brief soil descriptions are created for major components. The Rifle soil is a minor component.

Map Unit 132D (0.85%)

Map Unit Name:	Hayden fine sandy loam, 12 to 25 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Hayden(90%)

horizon Ap(0cm to 10cm)	Fine sandy loam
horizon E(10cm to 15cm)	Fine sandy loam
horizon Bt(15cm to 91cm)	Clay loam
horizon C(91cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 132D - Hayden fine sandy loam, 12 to 25 percent slopes

Component: Hayden (90%)
The Hayden component makes up 90 percent of the map unit. Slopes are 12 to 25 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 15 percent.

Component: Dundas (4%)
Generated brief soil descriptions are created for major components. The Dundas soil is a minor component.

Component: Bluffton (3%)
Generated brief soil descriptions are created for major components. The Bluffton soil is a minor component.

Component: Rifle (3%)
Generated brief soil descriptions are created for major components. The Rifle soil is a minor component.

Map Unit 177C (1.19%)

Map Unit Name:	Gotham loamy sand, 6 to 12 percent slopes

Soil Information

Bedrock Depth - Min:

Watertable Depth - Annual Min:

Drainage Class - Dominant: Excessively drained

Hydrologic Group - Dominant: A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Gotham(90%)

horizon Ap(0cm to 23cm)	Loamy sand
horizon E(23cm to 51cm)	Loamy sand
horizon Bt(51cm to 84cm)	Loamy sand
horizon C(84cm to 152cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 177C - Gotham loamy sand, 6 to 12 percent slopes

Component: Gotham (90%)
The Gotham component makes up 90 percent of the map unit. Slopes are 6 to 12 percent. This component is on pitted outwash plains. The parent material consists of Outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Brill (2%)
Generated brief soil descriptions are created for major components. The Brill soil is a minor component.

Component: Rosholt (2%)
Generated brief soil descriptions are created for major components. The Rosholt soil is a minor component.

Component: Anoka (2%)
Generated brief soil descriptions are created for major components. The Anoka soil is a minor component.

Component: Mahtomedi (2%)
Generated brief soil descriptions are created for major components. The Mahtomedi soil is a minor component.

Component: Chetek (2%)
Generated brief soil descriptions are created for major components. The Chetek soil is a minor component.

Map Unit 225 (1.11%)

Map Unit Name: Nessel fine sandy loam, 1 to 4 percent slopes

Bedrock Depth - Min:

Watertable Depth - Annual Min: 76cm

Drainage Class - Dominant: Moderately well drained

Hydrologic Group - Dominant: C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Nessel(90%)

horizon A(0cm to 10cm)	Fine sandy loam
horizon E(10cm to 33cm)	Fine sandy loam
horizon Bt(33cm to 104cm)	Loam
horizon C(104cm to 152cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: 225 - Nessel fine sandy loam, 1 to 4 percent slopes

Component: Nessel (90%)
The Nessel component makes up 90 percent of the map unit. Slopes are 1 to 4 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during April. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Braham (4%)
Generated brief soil descriptions are created for major components. The Braham soil is a minor component.

Component: Hayden (3%)
Generated brief soil descriptions are created for major components. The Hayden soil is a minor component.

Component: Dundas (3%)
Generated brief soil descriptions are created for major components. The Dundas soil is a minor component.

Map Unit 266 (0.2%)

Map Unit Name:	Freer silt loam
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	30cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Freer(90%)

horizon Ap(0cm to 20cm)	Silt loam
horizon E(20cm to 30cm)	Silt loam
horizon Bt1(30cm to 58cm)	Loam
horizon 2Bt2(58cm to 94cm)	Sandy loam
horizon 2C(94cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 266 - Freer silt loam

Component: Freer (90%)
The Freer component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on moraines. The parent material consists of Lacustrine over till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Auburndale (5%)
Generated brief soil descriptions are created for major components. The Auburndale soil is a minor component.

Component: Freeon (5%)
Generated brief soil descriptions are created for major components. The Freeon soil is a minor component.

Map Unit 342B (0.59%)

Map Unit Name:	Kingsley sandy loam, 2 to 6 percent slopes
Bedrock Depth - Min:	

Soil Information

Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Kingsley(90%)

horizon Ap(0cm to 20cm)	Sandy loam
horizon Bt(20cm to 99cm)	Sandy loam
horizon C(99cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 342B - Kingsley sandy loam, 2 to 6 percent slopes

Component: Kingsley (90%)
The Kingsley component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Freeon (3%)
Generated brief soil descriptions are created for major components. The Freeon soil is a minor component.

Component: Prebish (3%)
Generated brief soil descriptions are created for major components. The Prebish soil is a minor component.

Component: Ronneby (2%)
Generated brief soil descriptions are created for major components. The Ronneby soil is a minor component.

Component: Rosholt (2%)
Generated brief soil descriptions are created for major components. The Rosholt soil is a minor component.

Map Unit 342D (1.14%)

Map Unit Name:	Kingsley sandy loam, 12 to 18 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Kingsley(90%)

horizon A(0cm to 8cm)	Sandy loam
horizon E(8cm to 15cm)	Sandy loam
horizon Bt(15cm to 64cm)	Sandy loam
horizon C(64cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 342D - Kingsley sandy loam, 12 to 18 percent slopes

Component: Kingsley (90%)
The Kingsley component makes up 90 percent of the map unit. Slopes are 12 to 18 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained.

Soil Information

Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Freeon (4%)
Generated brief soil descriptions are created for major components. The Freeon soil is a minor component.

Component: Rosholt (3%)
Generated brief soil descriptions are created for major components. The Rosholt soil is a minor component.

Component: Ronneby (3%)
Generated brief soil descriptions are created for major components. The Ronneby soil is a minor component.

Map Unit 453B (0.19%)

Map Unit Name:	DeMontreville loamy fine sand, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

DeMontreville(90%)

horizon Ap(0cm to 18cm)	Loamy fine sand
horizon E,BE(18cm to 61cm)	Loamy sand
horizon 2Bt(61cm to 104cm)	Sandy loam
horizon 2C(104cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 453B - DeMontreville loamy fine sand, 2 to 6 percent slopes

Component: DeMontreville (90%)
The DeMontreville component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on moraines. The parent material consists of Outwash over till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Mahtomedi (4%)
Generated brief soil descriptions are created for major components. The Mahtomedi soil is a minor component.

Component: Ronneby (3%)
Generated brief soil descriptions are created for major components. The Ronneby soil is a minor component.

Component: Rifle (3%)
Generated brief soil descriptions are created for major components. The Rifle soil is a minor component.

Map Unit 541 (1.24%)

Map Unit Name:	Rifle muck
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained

Soil Information

Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Rifle(85%)	
horizon Oa(0cm to 23cm)	Muck
horizon Oe(23cm to 152cm)	Mucky peat

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 541 - Rifle muck

Component: Rifle (85%)
The Rifle component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions. The parent material consists of Organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during March, April, May, June. Organic matter content in the surface horizon is about 65 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Cathro (8%)
Generated brief soil descriptions are created for major components. The Cathro soil is a minor component.

Component: Markey (7%)
Generated brief soil descriptions are created for major components. The Markey soil is a minor component.

Map Unit 860C (49.64%)

Map Unit Name:	Urban land-Hayden-Kingsley complex, 3 to 15 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	
Hydrologic Group - Dominant:	

Major components are printed below

Hayden(25%)	
horizon Ap(0cm to 23cm)	Fine sandy loam
horizon E(23cm to 38cm)	Fine sandy loam
horizon Bt(38cm to 127cm)	Clay loam
horizon C(127cm to 152cm)	Loam
Kingsley(15%)	
horizon Ap(0cm to 20cm)	Sandy loam
horizon Bt(20cm to 99cm)	Sandy loam
horizon C(99cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 860C - Urban land-Hayden-Kingsley complex, 3 to 15 percent slopes

Component: Urban land (55%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Hayden (25%)
The Hayden component makes up 25 percent of the map unit. Slopes are 3 to 15 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter

content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Kingsley (15%)
The Kingsley component makes up 15 percent of the map unit. Slopes are 3 to 15 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map Unit 861C (12.48%)

Map Unit Name:	Urban land-Kingsley complex, 3 to 15 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	
Hydrologic Group - Dominant:	

Major components are printed below

Kingsley(35%)

horizon Ap(0cm to 20cm)	Sandy loam
horizon Bt(20cm to 99cm)	Sandy loam
horizon C(99cm to 152cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 861C - Urban land-Kingsley complex, 3 to 15 percent slopes

Component: Urban land (60%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Kingsley (35%)
The Kingsley component makes up 35 percent of the map unit. Slopes are 3 to 15 percent. This component is on moraines. The parent material consists of Till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map Unit W (21.48%)

Map Unit Name:	Water

No more attributes available for this map unit

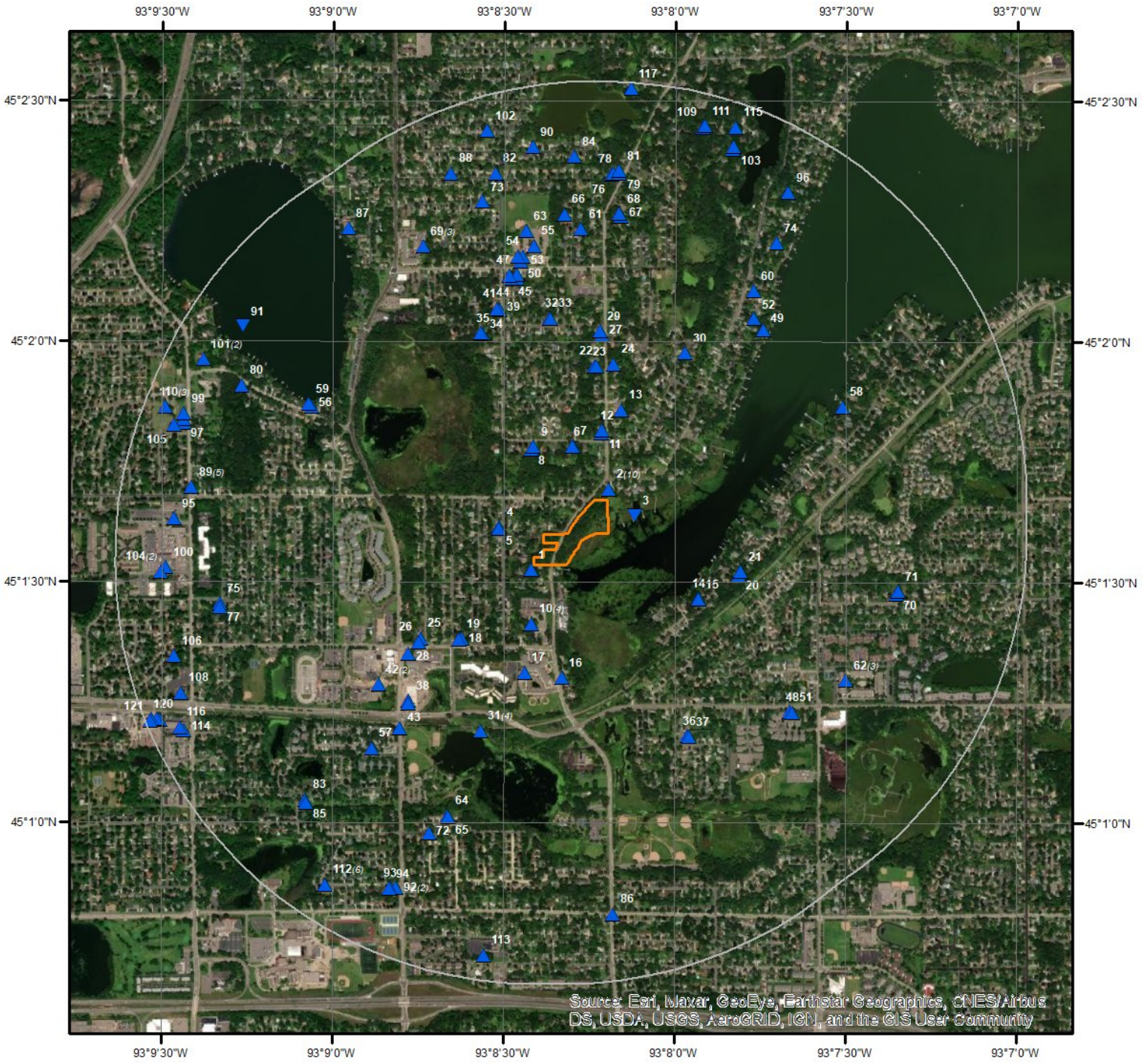
Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (100%)
This mapunit consists of natural occuring bodies of water or water that has been impounded by structures in natural waterways. They range in size from 1.5 acres to tens of thousands of acres. This map unit is not soil, no interpretations assigned.

Wells and Additional Sources



Wells & Additional Sources

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

N

0 0.15 0.3 0.6 Miles

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
28	MN5620149	1,936.27	SW
42	MN1620013	2,471.27	SW
57	MN1620014	3,080.19	SW
63	MN5620159	3,495.50	N
108	MN5620148	4,726.87	WSW

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
42	MN1620013	2,471.27	SW
43	MN1620014	2,658.64	SW

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
4	MN040-450137093083001	560.44	W
6	MN040-450147093081701	716.94	N
9	MN040-450147093082401	1,010.51	NNW
12	MN040-450149093081201	875.33	NNE
15	MN040-450128093075501	1,417.31	ESE
19	MN040-450123093083701	1,326.16	SW
20	MN040-450131093074801	1,732.34	ESE
23	MN040-450157093081301	1,683.46	N
27	MN040-450201093081201	2,089.90	N
33	MN040-450203093082101	2,353.46	N
34	MN040-450201093083301	2,515.04	NNW
36	MN040-450111093075701	2,639.78	SSE
39	MN040-450204093083001	2,669.93	NNW
40	MN040-450115093084601	2,358.71	SW
44	MN040-450208093082701	2,960.56	NNW
45	MN040-450208093082801	2,984.88	NNW
48	MN040-450114093073901	3,214.48	SE
55	MN040-450212093082401	3,289.73	N
56	MN040-450152093090301	3,337.08	WNW
64	MN040-450101093083901	3,345.32	SSW
68	MN040-450216093080901	3,613.54	N
71	MN040-450129093072001	3,732.39	E
77	MN040-450127093091901	3,988.07	WSW
78	MN040-450221093081001	4,117.37	N
79	MN040-450221093080901	4,119.36	N
83	MN040-450103093090401	4,129.25	SW
92	MN040-450052093084801	4,427.17	SSW
93	MN040-450052093084901	4,456.24	SSW
95	USGS-450138093092701	4,551.00	W
103	MN040-450224093074901	4,695.81	NNE
111	MN040-450227093075401	4,880.52	NNE
116	MN040-450112093092601	4,905.01	WSW
119	MN040-450113093093001	5,127.87	WSW
120	MN040-450113093093101	5,194.34	WSW

Wells and Additional Sources Summary

State Sources

County Well Index

Map Key	Relate ID	Distance (ft)	Direction
1	0000280058	70.87	SW
2	0000458196	143.63	NE
2	0000272955	143.63	NE
2	0000458197	143.63	NE
2	0000458198	143.63	NE
2	0000273390	143.63	NE
2	0000458199	143.63	NE
2	0000272958	143.63	NE
2	0000532744	143.63	NE
2	0000272961	143.63	NE
2	0000273730	143.63	NE
3	0000554439	349.23	ENE
5	0000206840	564.20	W
7	0000233765	724.91	N
8	0000242931	1,013.95	NNW
10	0000552575	746.75	SSW
10	0000552574	746.75	SSW
10	0000552572	746.75	SSW
10	0000552573	746.75	SSW
11	0000206839	841.76	NNE
13	0000247283	1,154.14	NNE
14	0000206843	1,408.68	ESE
16	1000023853	1,423.41	S
17	0000274007	1,363.77	SSW
18	0000206841	1,301.08	SW
21	0000206842	1,746.75	ESE
22	0000233775	1,686.08	N
24	0000274195	1,719.21	NNE
25	0000271571	1,700.44	WSW
26	0000271575	1,741.54	SW
29	0000242916	2,127.02	N
30	0000280073	2,104.22	NNE
31	0000608314	2,196.30	SSW
31	0000608315	2,196.30	SSW
31	0000608321	2,196.30	SSW
31	0000608313	2,196.30	SSW
32	0000233780	2,354.47	N
35	0000233739	2,540.59	NNW
37	0000233784	2,665.55	SSE
38	0000233894	2,328.46	SW
41	0000233717	2,699.65	NNW
46	0000233809	2,997.22	NNW
47	0000233811	3,023.05	NNW
49	0000225649	2,913.24	NE
50	0000496865	3,150.90	NNW
51	0000243161	3,244.25	SE
52	0000256996	2,944.15	NE
53	0000496866	3,198.41	N
54	0000496867	3,219.44	NNW
58	0000556561	3,190.08	ENE
59	0000206845	3,383.31	WNW
60	0000273731	3,221.90	NE
61	0000277701	3,419.22	N
62	0000476369	3,530.93	ESE
62	0000476370	3,530.93	ESE
62	0000476367	3,530.93	ESE
65	0000200104	3,355.07	SSW
66	0000274163	3,619.95	N

67	0000233781	3,584.51	N
69	0000481691	3,849.96	NNW
69	0000481692	3,849.96	NNW
69	0000481690	3,849.96	NNW
70	0000208286	3,718.80	E
72	0000279846	3,634.32	SSW
73	0000256108	4,018.12	NNW
74	0000232316	3,878.11	NE
75	0000206849	3,983.92	W
76	0000206838	4,105.11	N
80	0000743053	4,233.14	WNW
81	0000206837	4,160.35	N
82	0000270769	4,297.69	NNW
84	0000271028	4,334.51	N
85	0000200097	4,155.53	SW
86	0000592999	4,442.79	S
87	0000270145	4,574.98	NW
88	0000270234	4,493.60	NNW
89	0000602106	4,397.54	W
89	0000532692	4,397.54	W
89	0000273391	4,397.54	W
89	0000273314	4,397.54	W
89	0000272960	4,397.54	W
90	0000256067	4,518.48	N
91	0000726795	4,601.87	WNW
92	0000200098	4,427.17	SSW
94	0000200099	4,471.01	SSW
96	0000280074	4,503.01	NNE
97	0000743051	4,723.43	WNW
98	0000743055	4,739.12	WNW
99	0000743052	4,765.62	WNW
100	0000279841	4,633.64	W
101	0000277938	4,819.13	WNW
101	0000277901	4,819.13	WNW
102	0000270785	4,841.15	NNW
104	0000277887	4,704.13	W
104	0000206846	4,704.13	W
105	0000743057	4,834.53	WNW
106	0000278822	4,672.25	WSW
107	0000464561	4,734.09	NNE
109	0000206836	4,860.41	NNE
110	0000743056	5,008.83	WNW
110	0000743050	5,008.83	WNW
110	0000743054	5,008.83	WNW
112	0000524628	4,811.26	SW
112	0000524630	4,811.26	SW
112	0000528332	4,811.26	SW
112	0000524627	4,811.26	SW
112	0000524626	4,811.26	SW
112	0000528331	4,811.26	SW
113	0000667999	4,962.49	SSW
114	0000247959	4,873.50	WSW
115	0000469803	4,974.90	NNE
117	0000604252	5,196.74	N
118	0000247960	5,096.75	WSW
121	0000233800	5,215.48	WSW

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	SW	0.37	1,936.27	933.50	PWSV

Address Line 2:	2700 N LEXINGTON
State Code:	MN
Zip Code:	55113
City Name:	ROSEVILLE
Address Line 1:	
PWS ID:	MN5620149
PWS Type Code:	TNCWS
PWS Type Description:	Transient Non-Community Water System
Primary Source Code:	GW
Primary Source Desc:	Groundwater
PWS Activity Code:	I
PWS Activity Description:	Inactive
PWS Deactivation Date:	01/12/1995
Phone Number:	612-484-1565

--Details--

Population Served Count:	25
City Served:	
County Served:	
State Served:	MN
Zip Code Served:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	SW	0.47	2,471.27	934.82	PWSV

Address Line 2:	2660 Civic Center Drive
State Code:	MN
Zip Code:	55113
City Name:	Roseville
Address Line 1:	Roseville City Hall
PWS ID:	MN1620013
PWS Type Code:	CWS
PWS Type Description:	Community Water System
Primary Source Code:	SWP
Primary Source Desc:	Purchased Surface Water
PWS Activity Code:	A
PWS Activity Description:	Active
PWS Deactivation Date:	
Phone Number:	6517927053

Wells and Additional Sources Detail Report

--Details--
Population Served Count: 33690
City Served: Roseville
County Served: Ramsey
State Served: MN
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	SW	0.58	3,080.19	904.56	PWSV

Address Line 2:
State Code: MN
Zip Code: 55113
City Name: ROSEVILLE
Address Line 1: 2599 NORTH LEXINGTON
PWS ID: MN1620014
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/07/1993
Phone Number: 612-483-5859

--Details--
Population Served Count: 173
City Served:
County Served:
State Served: MN
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	N	0.66	3,495.50	955.75	PWSV

Address Line 2: 955 CO RD D
State Code: MN
Zip Code: 55112
City Name: SHOREVIEW
Address Line 1:
PWS ID: MN5620159
PWS Type Code: NTNCWS
PWS Type Description: Non-Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I

PWS Activity Description: Inactive
PWS Deactivation Date: 01/12/1995
Phone Number: 612-484-7445

--Details--
Population Served Count: 25
City Served:
County Served:
State Served: MN
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	WSW	0.90	4,726.87	928.71	PWSV

Address Line 2: 2651 N HAMLINE
State Code: MN
Zip Code: 55113
City Name: ROSEVILLE
Address Line 1:
PWS ID: MN5620148
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/12/1995
Phone Number: 612-633-5526

--Details--
Population Served Count: 25
City Served:
County Served:
State Served: MN
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	SW	0.47	2,471.27	934.82	SDWIS

PWS ID: MN1620013
PWS Type: Community water system
No of Facilities: 7
No of Violations: 0
No of Site Visits: 20
Cities Served: Roseville

Wells and Additional Sources Detail Report

Counties Served:	Ramsey
Population Served Count:	35,691
Primacy Agency:	Minnesota
EPA Region:	Region 5

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	SW	0.50	2,658.64	895.59	SDWIS

PWS ID:	MN1620014
PWS Type:	Community water system
No of Facilities:	2
No of Violations:	1
No of Site Visits:	3
Cities Served:	-
Counties Served:	Ramsey
Population Served Count:	173
Primacy Agency:	Minnesota
EPA Region:	Region 5

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	W	0.11	560.44	956.19	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	204	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	204	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19620124	Latitude:	45.0269101
Source Map Scale:	24000	Longitude:	-93.1418882
Monitoring Loc Name:	029N23W02CBADAD01 0000206840		
Monitoring Loc Identifier:	MN040-450137093083001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		

Vertical Measure:	956.98
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	N	0.14	716.94	917.23	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	99	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	99	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0296879
Source Map Scale:	24000	Longitude:	-93.138277
Monitoring Loc Name:	029N23W02BDDB 01 0000233765		
Monitoring Loc Identifier:	MN040-450147093081701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	916.75		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NNW	0.19	1,010.51	910.50	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	St Peter Sandstone
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	

Well Depth:	165	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	165	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0296879
Source Map Scale:	24000	Longitude:	-93.1402215
Monitoring Loc Name:	029N23W02ADCB 01 0000242931		
Monitoring Loc Identifier:	MN040-450147093082401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	913.54		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNE	0.17	875.33	935.52	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	145	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	145	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19590606	Latitude:	45.0302435
Source Map Scale:	24000	Longitude:	-93.136888
Monitoring Loc Name:	029N23W02BDADDB01 0000206839		
Monitoring Loc Identifier:	MN040-450149093081201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			

Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	937.00
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	ESE	0.27	1,417.31	905.55	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	122	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	122	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19581028	Latitude:	45.0244101
Source Map Scale:	24000	Longitude:	-93.1321656
Monitoring Loc Name:	029N23W02DBDDCD01 0000206843		
Monitoring Loc Identifier:	MN040-450128093075501		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	899.56		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	SW	0.25	1,326.16	929.38	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	182	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	182	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19540225	Latitude:	45.0230212
Source Map Scale:	24000	Longitude:	-93.1438327
Monitoring Loc Name:	029N23W02CCACCB01 0000206841		
Monitoring Loc Identifier:	MN040-450123093083701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	928.96		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	ESE	0.33	1,732.34	915.53	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	St Peter Sandstone
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	225	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	225	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19610410	Latitude:	45.0252434
Source Map Scale:	24000	Longitude:	-93.1302211

Monitoring Loc Name:	029N23W02DACBDD01 0000206842
Monitoring Loc Identifier:	MN040-450131093074801
Monitoring Loc Type:	Well
Monitoring Loc Desc:	
HUC Eight Digit Code:	07010206
Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	918.18
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	N	0.32	1,683.46	949.60	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	180	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	180	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0324657
Source Map Scale:	24000	Longitude:	-93.1371659
Monitoring Loc Name:	029N23W02BADD 01 0000233775		
Monitoring Loc Identifier:	MN040-450157093081301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer	NAD83		

System:
Vertical Measure: 946.48
Vertical Measure Unit: feet
Vertical Accuracy: .71
Vertical Accuracy Unit: feet
Vertical Collection Mthd: Interpolated from Digital Elevation Model
Vert Coord Refer System: NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	N	0.40	2,089.90	950.46	FED USGS

Organiz Identifier: USGS-MN
Organiz Name: USGS Minnesota Water Science Center
Well Depth: 155
Well Depth Unit: ft
Well Hole Depth: 155
W Hole Depth Unit: ft
Construction Date:
Source Map Scale: 24000
Monitoring Loc Name: 029N23W02BADA 01 0000242916
Monitoring Loc Identifier: MN040-450201093081201
Monitoring Loc Type: Well
Monitoring Loc Desc:
HUC Eight Digit Code: 07010206
Drainage Area:
Drainage Area Unit:
Contrib Drainage Area:
Contrib Drainage Area Unit:
Horizontal Accuracy: 1
Horizontal Accuracy Unit: seconds
Horizontal Collection Mthd: Interpolated from MAP.
Horiz Coord Refer System: NAD83
Vertical Measure: 952.01
Vertical Measure Unit: feet
Vertical Accuracy: .71
Vertical Accuracy Unit: feet
Vertical Collection Mthd: Interpolated from Digital Elevation Model
Vert Coord Refer System: NAVD88
Formation Type:
Aquifer Name:
Aquifer Type: Mixed (confined and unconfined) multiple aquifers
Country Code: US
Provider Name: NWIS
County: RAMSEY
Latitude: 45.0335768
Longitude: -93.1368881

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	N	0.45	2,353.46	937.28	FED USGS

Organiz Identifier: USGS-MN
Formation Type:

Wells and Additional Sources Detail Report

Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	103	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	103	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0341324
Source Map Scale:	24000	Longitude:	-93.1393882
Monitoring Loc Name:	029N23W02BABD 01 0000233780		
Monitoring Loc Identifier:	MN040-450203093082101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	935.93		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NNW	0.48	2,515.04	921.82	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	78	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	78	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0335768
Source Map Scale:	24000	Longitude:	-93.1427216
Monitoring Loc Name:	029N23W02BBDA 01 0000233739		
Monitoring Loc Identifier:	MN040-450201093083301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			

Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	921.84
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	SSE	0.50	2,639.78	935.46	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	147	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	147	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0196879
Source Map Scale:	24000	Longitude:	-93.1327211
Monitoring Loc Name:	029N23W11ABAC 01 0000233784		
Monitoring Loc Identifier:	MN040-450111093075701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	927.24		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		

Vert Coord Refer System: NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NNW	0.51	2,669.93	933.01	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	97	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	97	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0344101
Source Map Scale:	24000	Longitude:	-93.1418883
Monitoring Loc Name:	029N23W02BBAD 01 0000233717		
Monitoring Loc Identifier:	MN040-450204093083001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	928.01		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	SW	0.45	2,358.71	906.77	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	199	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	199	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.020799

Source Map Scale:	24000	Longitude:	-93.1463327
Monitoring Loc Name:	029N23W02CCCC 01 0000233894		
Monitoring Loc Identifier:	MN040-450115093084601		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	904.85		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	NNW	0.56	2,960.56	940.65	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	109	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	109	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0355212
Source Map Scale:	24000	Longitude:	-93.1410549
Monitoring Loc Name:	029N23W02BABB 01 0000233809		
Monitoring Loc Identifier:	MN040-450208093082701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		

Horiz Coord Refer System:	NAD83
Vertical Measure:	941.43
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	NNW	0.57	2,984.88	941.18	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	96	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	96	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0355212
Source Map Scale:	24000	Longitude:	-93.1413327
Monitoring Loc Name:	029N23W02BABB 02 0000233811		
Monitoring Loc Identifier:	MN040-450208093082801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	943.65		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	SE	0.61	3,214.48	934.79	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Platteville Formation

Wells and Additional Sources Detail Report

Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	155	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	155	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	1965	Latitude:	45.0205212
Source Map Scale:	24000	Longitude:	-93.127721
Monitoring Loc Name:	029N23W11AAABAA01 0000243161		
Monitoring Loc Identifier:	MN040-450114093073901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	938.86		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	N	0.62	3,289.73	953.47	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Jordan Sandstone
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	530	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	530	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19640100	Latitude:	45.0366324
Source Map Scale:	24000	Longitude:	-93.1402216
Monitoring Loc Name:	W269 030N23W35CDCDBB01 WilliamsSch 0000206834		
Monitoring Loc Identifier:	MN040-450212093082401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			

Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	950.20
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	WNW	0.63	3,337.08	889.52	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	134	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	134	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19621103	Latitude:	45.0310768
Source Map Scale:	24000	Longitude:	-93.1510552
Monitoring Loc Name:	029N23W03ADBBCB01 0000206845		
Monitoring Loc Identifier:	MN040-450152093090301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	886.93		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		

Vert Coord Refer System: NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	SSW	0.63	3,345.32	898.62	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	185	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	185	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19610307	Latitude:	45.0169101
Source Map Scale:	24000	Longitude:	-93.1443881
Monitoring Loc Name:	029N23W11BCBAAC01 0000200104		
Monitoring Loc Identifier:	MN040-450101093083901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	901.94		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	N	0.68	3,613.54	960.24	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	124	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	156	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0377435

Source Map Scale:	24000	Longitude:	-93.1360548
Monitoring Loc Name:	030N23W35DCCB 01 0000233781		
Monitoring Loc Identifier:	MN040-450216093080901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	956.38		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	E	0.71	3,732.39	938.12	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	161	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	161	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19570527	Latitude:	45.0246879
Source Map Scale:	24000	Longitude:	-93.122443
Monitoring Loc Name:	029N23W01CBDDCC01 0000208286		
Monitoring Loc Identifier:	MN040-450129093072001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection	Interpolated from MAP.		

Mthd:	
Horiz Coord Refer System:	NAD83
Vertical Measure:	938.32
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	WSW	0.76	3,988.07	920.12	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	90	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	90	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19600408	Latitude:	45.0241323
Source Map Scale:	24000	Longitude:	-93.1554997
Monitoring Loc Name:	029N23W03DCBBAA01 0000206849		
Monitoring Loc Identifier:	MN040-450127093091901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	916.89		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	N	0.78	4,117.37	954.48	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Platteville Formation
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	118	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	118	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19630928	Latitude:	45.0391324
Source Map Scale:	24000	Longitude:	-93.1363326
Monitoring Loc Name:	030N23W35DCBBBC01 0000206838		
Monitoring Loc Identifier:	MN040-450221093081001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	950.73		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	N	0.78	4,119.36	954.71	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Platteville Formation
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	119	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	119	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19630400	Latitude:	45.0391324
Source Map Scale:	24000	Longitude:	-93.1360548
Monitoring Loc Name:	030N23W35DCBBBA01 0000206837		
Monitoring Loc Identifier:	MN040-450221093080901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		

Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	952.57
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	SW	0.78	4,129.25	911.17	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	98	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	98	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19590527	Latitude:	45.0174656
Source Map Scale:	24000	Longitude:	-93.1513328
Monitoring Loc Name:	029N23W10AACCCA01 0000200097		
Monitoring Loc Identifier:	MN040-450103093090401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	911.41		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		

Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	SSW	0.84	4,427.17	936.37	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Platteville Formation
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	160	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	160	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19600530	Latitude:	45.0144101
Source Map Scale:	24000	Longitude:	-93.1468882
Monitoring Loc Name:	029N23W10ADDDAA01 0000200098		
Monitoring Loc Identifier:	MN040-450052093084801		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	938.43		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	SSW	0.84	4,456.24	935.47	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Platteville Formation
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	152	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	152	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY

Construction Date:	19600505	Latitude:	45.0144101
Source Map Scale:	24000	Longitude:	-93.147166
Monitoring Loc Name:	029N23W10ADDDBA01 0000200099		
Monitoring Loc Identifier:	MN040-450052093084901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	938.17		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	W	0.86	4,551.00	918.12	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	St Peter Sandstone
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	289	Aquifer Type:	Confined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	RAMSEY
Construction Date:		Latitude:	45.0271879
Source Map Scale:		Longitude:	-93.157722
Monitoring Loc Name:	029N23W03CAA 01 Food Town		
Monitoring Loc Identifier:	USGS-450138093092701		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	Unknown		
Horizontal Accuracy Unit:	Unknown		

Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	910.00
Vertical Measure Unit:	feet
Vertical Accuracy:	1
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Unknown.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	NNE	0.89	4,695.81	943.60	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Glacial Buried Sand and/or Gravel
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	128	Aquifer Type:	Unconfined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	128	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19900531	Latitude:	45.0399657
Source Map Scale:	24000	Longitude:	-93.130499
Monitoring Loc Name:	030N23W35DACCAC01 0000464561		
Monitoring Loc Identifier:	MN040-450224093074901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	936.80		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	NNE	0.92	4,880.52	945.93	FED USGS

Wells and Additional Sources Detail Report

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	146	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	146	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:	19700619	Latitude:	45.0407991
Source Map Scale:	24000	Longitude:	-93.131888
Monitoring Loc Name:	030N23W35DBBDDA01 0000206836		
Monitoring Loc Identifier:	MN040-450227093075401		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	940.72		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	WSW	0.93	4,905.01	925.50	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	137	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	137	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0199656
Source Map Scale:	24000	Longitude:	-93.1574442
Monitoring Loc Name:	029N23W10BAAADC01 0000247959		
Monitoring Loc Identifier:	MN040-450112093092601		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			

HUC Eight Digit Code:	07010206
Drainage Area:	
Drainage Area Unit:	
Contrib Drainage Area:	
Contrib Drainage Area Unit:	
Horizontal Accuracy:	1
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Interpolated from MAP.
Horiz Coord Refer System:	NAD83
Vertical Measure:	927.44
Vertical Measure Unit:	feet
Vertical Accuracy:	.71
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	WSW	0.97	5,127.87	930.20	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	136	Aquifer Type:	Mixed (confined and unconfined) multiple aquifers
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	136	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0202434
Source Map Scale:	24000	Longitude:	-93.1585553
Monitoring Loc Name:	029N23W10BAABDB01 0000247960		
Monitoring Loc Identifier:	MN040-450113093093001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	925.52		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		

Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from Digital Elevation Model
Vert Coord Refer System:	NAVD88

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	WSW	0.98	5,194.34	931.12	FED USGS

Organiz Identifier:	USGS-MN	Formation Type:	Pleistocene Series
Organiz Name:	USGS Minnesota Water Science Center	Aquifer Name:	
Well Depth:	85	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	85	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	RAMSEY
Construction Date:		Latitude:	45.0202434
Source Map Scale:	24000	Longitude:	-93.1588331
Monitoring Loc Name:	029N23W10BAAB 01 0000233800		
Monitoring Loc Identifier:	MN040-450113093093101		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	07010206		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	925.27		
Vertical Measure Unit:	feet		
Vertical Accuracy:	.71		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from Digital Elevation Model		
Vert Coord Refer System:	NAVD88		

County Well Index

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SW	0.01	70.87	940.78	WATER WELLS

Well ID:	280058	Lat:	45.0254215924088
Relate ID:	0000280058	Long:	-93.1403267168441
Unique No:	00280058	UTME:	488945
Status Code:	U	UTMN:	4985784
Well Status:	Unknown	Township:	29

Wells and Additional Sources Detail Report

Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	KERBEL, FRANK	Section:	2
Well Label:	280058	Subsection:	CAC
Depth Drll:	88	MGS Quad Code:	
Depth Comp:	88	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	07/24/2019
Aquifer Code:		Strat Update:	07/24/2019
Aquifer Name:		Strat Src Code:	
Date Drll:	07/26/1955	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	07/24/2019
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19591001		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	458196	Lat:	45.0282257708758
Relate ID:	0000458196	Long:	-93.1365380244704
Unique No:	00458196	UTME:	489244

Wells and Additional Sources Detail Report

Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	SCHUSTER, ARTHUR INC.	Section:	2
Well Label:	458196	Subsection:	
Depth Drll:	17	MGS Quad Code:	119C
Depth Comp:	17	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	34050
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	10/15/2012
Aquifer Code:		Strat Update:	10/15/2012
Aquifer Name:		Strat Src Code:	
Date Drll:	12/00/1988	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/15/2012
Gcm Code:	PS	Updt Date:	10/17/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19890317		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	272955	Lat:	45.0282257708758

Wells and Additional Sources Detail Report

Relate ID:	0000272955	Long:	-93.1365380244704
Unique No:	00272955	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	JENKINS	Section:	2
Well Label:	272955	Subsection:	
Depth Drll:	111	MGS Quad Code:	
Depth Comp:	111	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/27/2013
Aquifer Code:		Strat Update:	08/27/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	01/00/1932	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	102	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PS	Updt Date:	08/27/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	458197	Lat:	45.0282257708758
Relate ID:	0000458197	Long:	-93.1365380244704
Unique No:	00458197	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	SCHUSTER, ARTHUR INC.	Section:	2
Well Label:	458197	Subsection:	
Depth Drll:	10	MGS Quad Code:	119C
Depth Comp:	10	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	34050
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	10/15/2012
Aquifer Code:		Strat Update:	10/15/2012
Aquifer Name:		Strat Src Code:	
Date Drll:	12/00/1988	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/15/2012
Gcm Code:	PS	Updt Date:	10/17/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19890317		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	458198	Lat:	45.0282257708758
Relate ID:	0000458198	Long:	-93.1365380244704
Unique No:	00458198	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	SCHUSTER, ARTHUR INC.	Section:	2
Well Label:	458198	Subsection:	
Depth Drll:	20	MGS Quad Code:	119C
Depth Comp:	20	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	34050
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	10/15/2012
Aquifer Code:		Strat Update:	10/15/2012
Aquifer Name:		Strat Src Code:	
Date Drll:	12/00/1988	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/15/2012
Gcm Code:	PS	Updt Date:	10/17/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19890317		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	273390	Lat:	45.0282257708758
Relate ID:	0000273390	Long:	-93.1365380244704
Unique No:	00273390	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	SCHULTZ, FRED	Section:	2
Well Label:	273390	Subsection:	
Depth Drll:	216	MGS Quad Code:	
Depth Comp:	216	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/27/2013
Aquifer Code:		Strat Update:	08/27/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/27/2013
Gcm Code:	PS	Updt Date:	08/27/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			

Wells and Additional Sources Detail Report

Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	458199	Lat:	45.0282257708758
Relate ID:	0000458199	Long:	-93.1365380244704
Unique No:	00458199	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	SCHUSTER, ARTHUR INC.	Section:	2
Well Label:	458199	Subsection:	
Depth Drll:	20	MGS Quad Code:	119C
Depth Comp:	20	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	34050
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	10/15/2012
Aquifer Code:		Strat Update:	10/15/2012
Aquifer Name:		Strat Src Code:	
Date Drll:	12/00/1988	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/15/2012
Gcm Code:	PS	Updt Date:	10/17/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19890317		

Wells and Additional Sources Detail Report

Log URL:
Strat URL:
Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	272958	Lat:	45.0282257708758
Relate ID:	0000272958	Long:	-93.1365380244704
Unique No:	00272958	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	OLIVER	Section:	2
Well Label:	272958	Subsection:	
Depth Drll:	87	MGS Quad Code:	
Depth Comp:	87	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/27/2013
Aquifer Code:		Strat Update:	08/27/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	11/04/1932	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/27/2013
Gcm Code:	PS	Updt Date:	08/27/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	

Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	532744	Lat:	45.0282257708758
Relate ID:	0000532744	Long:	-93.1365380244704
Unique No:	00532744	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	EL	Range :	23
Use:	elevator	Range Dir:	W
Well Name:	CARE INSTITUTE INC.	Section:	2
Well Label:	532744	Subsection:	
Depth Drll:	35	MGS Quad Code:	
Depth Comp:	33	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	L0002
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	12/02/1993	Strat Source:	
Case Diam:	16	Strat Geol:	
Case Depth:	36	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/06/1999
Gcm Code:	PS	Updt Date:	06/23/2004
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	

Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	272961	Lat:	45.0282257708758
Relate ID:	0000272961	Long:	-93.1365380244704
Unique No:	00272961	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	WILLER, CARL	Section:	2
Well Label:	272961	Subsection:	
Depth Drll:	218	MGS Quad Code:	
Depth Comp:	218	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/27/2013
Aquifer Code:		Strat Update:	08/27/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	06/05/1935	Strat Source:	
Case Diam:	4.5	Strat Geol:	
Case Depth:	189	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PS	Updt Date:	08/27/2013
Geoc Src:		Geoc Type:	

Wells and Additional Sources Detail Report

Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.03	143.63	909.88	WATER WELLS

Well ID:	273730	Lat:	45.0282257708758
Relate ID:	0000273730	Long:	-93.1365380244704
Unique No:	00273730	UTME:	489244
Status Code:	A	UTMN:	4986095
Well Status:	Active	Township:	29
Use Code:		Range :	23
Use:		Range Dir:	W
Well Name:	LARSON, PAUL Z.	Section:	2
Well Label:	273730	Subsection:	
Depth Drll:	172	MGS Quad Code:	
Depth Comp:	172	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	09/16/2013
Aquifer Code:		Strat Update:	09/16/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	06/00/1943	Strat Source:	
Case Diam:	4.5	Strat Geol:	
Case Depth:	100	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/16/2013

Wells and Additional Sources Detail Report

Gcm Code:	PS	Updt Date:	07/17/2018
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	ENE	0.07	349.23	885.59	WATER WELLS

Well ID:	554439	Lat:	45.0272910882038
Relate ID:	0000554439	Long:	-93.135266410433
Unique No:	00554439	UTME:	489344
Status Code:	S	UTMN:	4985991
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	LAKE RIDGE HEALTH CARE	Section:	2
Well Label:	554439	Subsection:	DBB
Depth Drll:	22	MGS Quad Code:	
Depth Comp:	22	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	07/02/2003
Aquifer Code:		Strat Update:	07/02/2003
Aquifer Name:		Strat Src Code:	
Date Drll:	04/09/1997	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	

Wells and Additional Sources Detail Report

Geo Chem:		Unused:	N
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	05/29/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19970521		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	W	0.11	564.20	957.88	WATER WELLS

Well ID:	206840	Lat:	45.0268419253964
Relate ID:	0000206840	Long:	-93.1419169145889
Unique No:	00206840	UTME:	488820
Status Code:	A	UTMN:	4985942
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ARDEN HANSON	Section:	2
Well Label:	206840	Subsection:	CBADAD
Depth Drll:	204	MGS Quad Code:	119C
Depth Comp:	204	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	955	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QUUU	Strat Update:	08/23/1991
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	01/24/1962	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	198	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	

Wells and Additional Sources Detail Report

Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0
Geoc Date:	19900101	Botholelev:	751
Geocupd En:	0	Ohtopelev:	757
Geocupd Da:	0	Ohbotelev:	751
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206840		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206840		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	N	0.14	724.91	917.23	WATER WELLS

Well ID:	233765	Lat:	45.0296999366006
Relate ID:	0000233765	Long:	-93.1383187525944
Unique No:	00233765	UTME:	489104
Status Code:	A	UTMN:	4986259
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	JARUMBECK	Section:	2
Well Label:	233765	Subsection:	BDDBDB
Depth Drll:	99	MGS Quad Code:	119C
Depth Comp:	99	MGS Quadrangle:	New Brighton
Depth to BDRK:	99	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	917	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	OPVL	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	

Wells and Additional Sources Detail Report

Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	02/11/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	818
Geoc Date:	19900101	Botholelev:	818
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	818
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233765		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233765		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NNW	0.19	1,013.95	909.13	WATER WELLS

Well ID:	242931	Lat:	45.0296074556866
Relate ID:	0000242931	Long:	-93.1403369445206
Unique No:	00242931	UTME:	488945
Status Code:	A	UTMN:	4986249
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	WENDELL ANDERSON	Section:	2
Well Label:	242931	Subsection:	ADCB
Depth Drll:	165	MGS Quad Code:	119C
Depth Comp:	165	MGS Quadrangle:	New Brighton
Depth to BDRK:	120	County Code:	62
First BDRK:	OGWD	County Name:	Ramsey
Elevation:	908	Loc Mc:	
Elev Mc:	T	Loc Src:	
Last Strat:	OSTP	Data Src:	
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	10/17/1995
Aquifer Code:	OSTP	Strat Update:	10/17/1995
Aquifer Name:	St.Peter	Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	161	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	

Wells and Additional Sources Detail Report

Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/05/1990
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	788
Geoc Date:	19900101	Botholelev:	743
Geocupd En:	0	Ohtopelev:	747
Geocupd Da:	0	Ohbotelev:	743
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000242931		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000242931		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSW	0.14	746.75	929.27	WATER WELLS

Well ID:	552575	Lat:	45.0235492364447
Relate ID:	0000552575	Long:	-93.1402967564979
Unique No:	00552575	UTME:	488947
Status Code:	A	UTMN:	4985576
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	LAKERIDGE HEALTH CARE	Section:	2
Well Label:	552575	Subsection:	CDB
Depth Drll:	18	MGS Quad Code:	
Depth Comp:	18	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0095
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/29/2008
Aquifer Code:		Strat Update:	05/29/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	05/04/1995	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	4	Strat Mc:	

Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	1
Pollut Dir:		SWL Date:	05/04/1995
Pollut Type:		SWL Avg Meas:	9
Pollution Type:		SWL Avg Elev:	909
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	05/29/2008
Gcm Code:	PQ3	Updt Date:	05/29/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19950621		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSW	0.14	746.75	929.27	WATER WELLS

Well ID:	552574	Lat:	45.0235492364447
Relate ID:	0000552574	Long:	-93.1402967564979
Unique No:	00552574	UTME:	488947
Status Code:	S	UTMN:	4985576
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	LAKERIDGE HEALTH CARE	Section:	2
Well Label:	552574	Subsection:	CDB
Depth Drll:	36	MGS Quad Code:	
Depth Comp:	16	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	02566
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	02/15/2001
Aquifer Code:		Strat Update:	05/06/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	09/02/2000	Strat Source:	

Case Diam:	2	Strat Geol:	
Case Depth:	6	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	02/15/2001
Gcm Code:	PQ3	Updt Date:	05/06/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSW	0.14	746.75	929.27	WATER WELLS

Well ID:	552572	Lat:	45.0235492364447
Relate ID:	0000552572	Long:	-93.1402967564979
Unique No:	00552572	UTME:	488947
Status Code:	S	UTMN:	4985576
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	LAKE RIDGE HEALTH CARE	Section:	2
Well Label:	552572	Subsection:	CDB
Depth Drll:	26	MGS Quad Code:	
Depth Comp:	21	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	02566
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	02/15/2001
Aquifer Code:		Strat Update:	05/06/2013

Wells and Additional Sources Detail Report

Aquifer Name:		Strat Src Code:	
Date Drll:	09/20/2000	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	11	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	02/15/2001
Gcm Code:	PQ3	Updt Date:	05/06/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSW	0.14	746.75	929.27	WATER WELLS

Well ID:	552573	Lat:	45.0235492364447
Relate ID:	0000552573	Long:	-93.1402967564979
Unique No:	00552573	UTME:	488947
Status Code:	S	UTMN:	4985576
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-2	Section:	2
Well Label:	552573	Subsection:	CDB
Depth Drll:	22	MGS Quad Code:	
Depth Comp:	22	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0095
OH Top Unit:		Input Src:	MDH

OH Bot Unit:		Strat Date:	06/30/2003
Aquifer Code:		Strat Update:	06/30/2003
Aquifer Name:		Strat Src Code:	
Date Drll:	05/04/1995	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	12	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	06/30/2003
Gcm Code:	PQ3	Updt Date:	05/29/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19950621		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NNE	0.16	841.76	933.31	WATER WELLS

Well ID:	206839	Lat:	45.0301517271783
Relate ID:	0000206839	Long:	-93.1369107454611
Unique No:	00206839	UTME:	489215
Status Code:	A	UTMN:	4986309
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	GEORGE BERGLIN	Section:	2
Well Label:	206839	Subsection:	BDADDB
Depth Drll:	145	MGS Quad Code:	119C
Depth Comp:	145	MGS Quadrangle:	New Brighton
Depth to BDRK:	115	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	935	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS

Last Strat:	OGSP	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/23/1991
Aquifer Code:	MTPL	Strat Update:	08/23/1991
Aquifer Name:	Multiple	Strat Src Code:	
Date Drll:	06/06/1959	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	115	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	820
Geoc Date:	19900101	Botholelev:	790
Geocupd En:	0	Ohtopelev:	820
Geocupd Da:	0	Ohbotelev:	790
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206839		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206839		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNE	0.22	1,154.14	954.41	WATER WELLS

Well ID:	247283	Lat:	45.0309647948129
Relate ID:	0000247283	Long:	-93.1359311030955
Unique No:	00247283	UTME:	489292
Status Code:	U	UTMN:	4986399
Well Status:	Unknown	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	247283	Subsection:	ACBCAB
Depth Drll:	164	MGS Quad Code:	119C
Depth Comp:	164	MGS Quadrangle:	New Brighton
Depth to BDRK:	133	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey

Wells and Additional Sources Detail Report

Elevation:	955	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OGWD	Data Src:	MGS
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OGWD	Strat Date:	0
Aquifer Code:	OPGW	Strat Update:	12/16/2015
Aquifer Name:	Platteville-Glenwood	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	JM
Case Depth:	135	Strat Mc:	B
Grout:	U	Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	12/16/2015
Gcm Code:	DS1	Updt Date:	12/16/2015
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619008	Bdrkelev:	822
Geoc Date:	20151216	Botholelev:	791
Geocupd En:	0	Ohtopelev:	820
Geocupd Da:	0	Ohbotelev:	791
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000247283		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000247283		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.27	1,408.68	905.55	WATER WELLS

Well ID:	206843	Lat:	45.0244411096499
Relate ID:	0000206843	Long:	-93.1321752292735
Unique No:	00206843	UTME:	489587
Status Code:	A	UTMN:	4985674
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	JACK DAVIES	Section:	2
Well Label:	206843	Subsection:	DBDDCD
Depth Drll:	122	MGS Quad Code:	119C
Depth Comp:	122	MGS Quadrangle:	New Brighton

Wells and Additional Sources Detail Report

Depth to BDRK:	108	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	905	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OGSP	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/23/1991
Aquifer Code:	MTPL	Strat Update:	08/23/1991
Aquifer Name:	Multiple	Strat Src Code:	
Date Drll:	10/28/1958	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	108	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	797
Geoc Date:	19900101	Botholelev:	783
Geocupd En:	0	Ohtopelev:	797
Geocupd Da:	0	Ohbotelev:	783
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206843		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206843		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	S	0.27	1,423.41	915.06	WATER WELLS

Well ID:	1000023853	Lat:	45.0216916993336
Relate ID:	1000023853	Long:	-93.1388378820909
Unique No:	1000023853	UTME:	489062
Status Code:	U	UTMN:	4985369
Well Status:	Unknown	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	WILKS, GUSTAV	Section:	2
Well Label:	1000023853	Subsection:	CDDBCC

Wells and Additional Sources Detail Report

Depth Drll:	125	MGS Quad Code:	119C
Depth Comp:	125	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	912	Loc Mc:	1
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	NRCD	Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:	INDT	Strat Update:	03/13/2019
Aquifer Name:	indeterminate	Strat Src Code:	
Date Drll:	00/00/1964	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:	U	Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	03/13/2019
Gcm Code:	DS1	Updt Date:	03/13/2019
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619008	Bdrkelev:	0
Geoc Date:	20190313	Botholelev:	787
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	787
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=1000023853		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=1000023853		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	SSW	0.26	1,363.77	926.65	WATER WELLS

Well ID:	274007	Lat:	45.0218681115633
Relate ID:	0000274007	Long:	-93.1406446689907
Unique No:	00274007	UTME:	488919
Status Code:	S	UTMN:	4985389
Well Status:	Sealed	Township:	29
Use Code:	AB	Range :	23
Use:	abandoned	Range Dir:	W

Wells and Additional Sources Detail Report

Well Name:	LAKE OWASSO SCHOOL	Section:	2
Well Label:	274007	Subsection:	CDCBDC
Depth Drll:	390	MGS Quad Code:	119C
Depth Comp:	390	MGS Quadrangle:	New Brighton
Depth to BDRK:	200	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	923.8	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OPDC	Data Src:	MGS
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OPDC	Strat Date:	0
Aquifer Code:	OSPC	Strat Update:	08/01/2014
Aquifer Name:	St.Peter-Prairie Du Chien	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	6	Strat Geol:	JRS
Case Depth:	234	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	1
Pollut Dir:		SWL Date:	07/29/2014
Pollut Type:		SWL Avg Meas:	86
Pollution Type:		SWL Avg Elev:	837.8
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	07/29/2014
Gcm Code:	DS1	Updt Date:	10/14/2014
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	
Geoc Date:	20140729	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SW	0.25	1,301.08	930.45	WATER WELLS

Well ID:	206841	Lat:	45.023040870727
Relate ID:	0000206841	Long:	-93.143722619627
Unique No:	00206841	UTME:	488677
Status Code:	A	UTMN:	4985520
Well Status:	Active	Township:	29

Wells and Additional Sources Detail Report

Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	WALTER PARSONS	Section:	2
Well Label:	206841	Subsection:	CCACCB
Depth Drll:	182	MGS Quad Code:	119C
Depth Comp:	182	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	930	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QUUU	Strat Update:	08/23/1991
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	02/25/1954	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	178	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0
Geoc Date:	19900101	Botholelev:	748
Geocupd En:	0	Ohtopelev:	752
Geocupd Da:	0	Ohbotelev:	748
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206841		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206841		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	ESE	0.33	1,746.75	916.49	WATER WELLS

Well ID:	206842	Lat:	45.0253706774656
Relate ID:	0000206842	Long:	-93.1301083286119
Unique No:	00206842	UTME:	489750

Wells and Additional Sources Detail Report

Status Code:	A	UTMN:	4985777
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	DEAN KEMPF	Section:	2
Well Label:	206842	Subsection:	DACBDD
Depth Drll:	225	MGS Quad Code:	119C
Depth Comp:	225	MGS Quadrangle:	New Brighton
Depth to BDRK:	129	County Code:	62
First BDRK:	OGWD	County Name:	Ramsey
Elevation:	915	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/23/1991
Aquifer Code:	OSTP	Strat Update:	08/23/1991
Aquifer Name:	St.Peter	Strat Src Code:	
Date Drll:	04/10/1961	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	206	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	786
Geoc Date:	19900101	Botholelev:	690
Geocupd En:	0	Ohtopelev:	709
Geocupd Da:	0	Ohbotelev:	690
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206842		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206842		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	N	0.32	1,686.08	949.32	WATER WELLS

Well ID:	233775	Lat:	45.0324737782478

Wells and Additional Sources Detail Report

Relate ID:	0000233775	Long:	-93.1372717434927
Unique No:	00233775	UTME:	489187
Status Code:	A	UTMN:	4986567
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	233775	Subsection:	BADDDB
Depth Drll:	180	MGS Quad Code:	119C
Depth Comp:	180	MGS Quadrangle:	New Brighton
Depth to BDRK:	180	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	948	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	OPVL	Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	02/11/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	768
Geoc Date:	19900101	Botholelev:	768
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	768
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233775		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233775		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNE	0.33	1,719.21	951.60	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	274195	Lat:	45.0325486598678
Relate ID:	0000274195	Long:	-93.1363048593887
Unique No:	00274195	UTME:	489263
Status Code:	I	UTMN:	4986575
Well Status:	Inactive	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	274195	Subsection:	ABCCBD
Depth Drll:	165	MGS Quad Code:	119C
Depth Comp:	165	MGS Quadrangle:	New Brighton
Depth to BDRK:	127	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	948	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	MGS
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	10/08/2014
Aquifer Name:		Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	JRS
Case Depth:	127	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/24/2014
Gcm Code:	DS2	Updt Date:	06/26/2018
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	821
Geoc Date:	20140924	Botholelev:	783
Geocupd En:	0	Ohtopelev:	821
Geocupd Da:	0	Ohbotelev:	783
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000274195		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000274195		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

25	WSW	0.32	1,700.44	933.10	WATER WELLS

Well ID:	271571	Lat:	45.0230600016669
Relate ID:	0000271571	Long:	-93.1457299995791
Unique No:	00271571	UTME:	488519
Status Code:	S	UTMN:	4985522
Well Status:	Sealed	Township:	29
Use Code:	AB	Range :	23
Use:	abandoned	Range Dir:	W
Well Name:	ROSEVILLE WATER DEPT. INC.	Section:	2
Well Label:	271571	Subsection:	CCBCDB
Depth Drll:	385	MGS Quad Code:	119C
Depth Comp:	385	MGS Quadrangle:	New Brighton
Depth to BDRK:	255	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	930	Loc Mc:	G
Elev Mc:	T	Loc Src:	MDH
Last Strat:	OPDC	Data Src:	82006
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OPDC	Strat Date:	0
Aquifer Code:	OSPC	Strat Update:	09/09/2011
Aquifer Name:	St.Peter-Prairie Du Chien	Strat Src Code:	MGS
Date Drll:	06/27/1956	Strat Source:	Minnesota Geological Survey
Case Diam:	8	Strat Geol:	JM
Case Depth:	258	Strat Mc:	Q
Grout:		Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	04/27/2010
Gcm Code:	G6O	Updt Date:	09/09/2011
Geoc Src:	MDH	Geoc Type:	WW
Geoc Prg:	WM	Geographic Type:	Water well
Geoc Entry:	2182004	Bdrkelev:	675
Geoc Date:	20100505	Botholelev:	545
Geocupd En:	0	Ohtopelev:	672
Geocupd Da:	0	Ohbotelev:	545
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000271571		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000271571		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	SW	0.33	1,741.54	931.85	WATER WELLS

Well ID:	271575	Lat:	45.0229200006015
Relate ID:	0000271575	Long:	-93.1457899993963
Unique No:	00271575	UTME:	488514
Status Code:		UTMN:	4985507
Well Status:		Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	ROSEVILLE WATER DEPT.	Section:	2
Well Label:	271575	Subsection:	CCBCDB
Depth Drll:	0	MGS Quad Code:	119C
Depth Comp:	0	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	930	Loc Mc:	G
Elev Mc:	T	Loc Src:	MDH
Last Strat:	INDT	Data Src:	MDH
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	04/22/2014
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/21/2010
Gcm Code:	G6O	Updt Date:	04/22/2014
Geoc Src:	MDH	Geoc Type:	WW
Geoc Prg:	WM	Geographic Type:	Water well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20100505	Botholelev:	0
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	0
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000271575		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000271575		

Wells and Additional Sources Detail Report

Source: County Well Index (CWI) Database - located and digitized water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	N	0.40	2,127.02	950.14	WATER WELLS

Well ID:	242916	Lat:	45.0336803613642
Relate ID:	0000242916	Long:	-93.1369953306346
Unique No:	00242916	UTME:	489209
Status Code:	A	UTMN:	4986701
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	242916	Subsection:	BADA
Depth Drll:	155	MGS Quad Code:	119C
Depth Comp:	155	MGS Quadrangle:	New Brighton
Depth to BDRK:	97	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	950	Loc Mc:	
Elev Mc:	T	Loc Src:	
Last Strat:	OPVL	Data Src:	MGS
OH Top Unit:	ODCR	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	10/17/1995
Aquifer Code:	MTPL	Strat Update:	10/17/1995
Aquifer Name:	Multiple	Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	122	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/05/1990
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	853
Geoc Date:	19900101	Botholelev:	795
Geocupd En:	0	Ohtopelev:	828
Geocupd Da:	0	Ohbotelev:	795
Rcvd Date:	0		

Wells and Additional Sources Detail Report

Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000242916
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000242916
Source:	County Well Index (CWI) Database - located and digitized water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NNE	0.40	2,104.22	910.81	WATER WELLS

Well ID:	280073	Lat:	45.0329381415872
Relate ID:	0000280073	Long:	-93.1328168495475
Unique No:	00280073	UTME:	489538
Status Code:	U	UTMN:	4986618
Well Status:	Unknown	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	LARSON, ANDY P.	Section:	2
Well Label:	280073	Subsection:	ABD
Depth Drll:	78	MGS Quad Code:	
Depth Comp:	78	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	07/24/2019
Aquifer Code:		Strat Update:	07/24/2019
Aquifer Name:		Strat Src Code:	
Date Drll:	07/15/1955	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	07/24/2019
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	

Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19591001		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SSW	0.42	2,196.30	891.14	WATER WELLS

Well ID:	608314	Lat:	45.0198553727555
Relate ID:	0000608314	Long:	-93.1427881138709
Unique No:	00608314	UTME:	488750
Status Code:	A	UTMN:	4985166
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	OCTOPUS CAR WASH	Section:	11
Well Label:	608314	Subsection:	BBA
Depth Drll:	21	MGS Quad Code:	
Depth Comp:	19	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	49653
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	06/09/2008
Aquifer Code:		Strat Update:	06/09/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	12/01/1997	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	9	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	06/09/2008
Gcm Code:	PQ3	Updt Date:	06/09/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	

Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SSW	0.42	2,196.30	891.14	WATER WELLS

Well ID:	608315	Lat:	45.0198553727555
Relate ID:	0000608315	Long:	-93.1427881138709
Unique No:	00608315	UTME:	488750
Status Code:	A	UTMN:	4985166
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	OCTOPUS CAR WASH	Section:	11
Well Label:	608315	Subsection:	BBA
Depth Drll:	17	MGS Quad Code:	
Depth Comp:	17	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	49653
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	06/09/2008
Aquifer Code:		Strat Update:	06/09/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	12/01/1997	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	7	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	06/09/2008
Gcm Code:	PQ3	Updt Date:	06/09/2008
Geoc Src:		Geoc Type:	

Wells and Additional Sources Detail Report

Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SSW	0.42	2,196.30	891.14	WATER WELLS

Well ID:	608321	Lat:	45.0198553727555
Relate ID:	0000608321	Long:	-93.1427881138709
Unique No:	00608321	UTME:	488750
Status Code:	A	UTMN:	4985166
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	OCTOPUS CAR WASH	Section:	11
Well Label:	608321	Subsection:	BBA
Depth Drll:	17	MGS Quad Code:	
Depth Comp:	16	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	49653
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	06/09/2008
Aquifer Code:		Strat Update:	06/09/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	12/01/1997	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	6	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	06/09/2008

Wells and Additional Sources Detail Report

Gcm Code:	PQ3	Updt Date:	06/09/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SSW	0.42	2,196.30	891.14	WATER WELLS

Well ID:	608313	Lat:	45.0198553727555
Relate ID:	0000608313	Long:	-93.1427881138709
Unique No:	00608313	UTME:	488750
Status Code:	A	UTMN:	4985166
Well Status:	Active	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	OCTOPUS CAR WASH	Section:	11
Well Label:	608313	Subsection:	BBA
Depth Drll:	21	MGS Quad Code:	
Depth Comp:	19	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	49653
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	06/09/2008
Aquifer Code:		Strat Update:	06/09/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	12/01/1997	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	9	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	

Wells and Additional Sources Detail Report

Geo Chem:		Unused:	N
Water Chem:		Entry Date:	06/09/2008
Gcm Code:	PQ3	Updt Date:	06/09/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	N	0.45	2,354.47	937.28	WATER WELLS

Well ID:	233780	Lat:	45.0341275038271
Relate ID:	0000233780	Long:	-93.1394339202193
Unique No:	00233780	UTME:	489017
Status Code:	A	UTMN:	4986751
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	233780	Subsection:	BABDDD
Depth Drll:	103	MGS Quad Code:	119C
Depth Comp:	103	MGS Quadrangle:	New Brighton
Depth to BDRK:	93	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	937	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	OPVL	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	

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Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	12/19/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	844
Geoc Date:	19900101	Botholelev:	834
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	834
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233780		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233780		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	NNW	0.48	2,540.59	922.54	WATER WELLS

Well ID:	233739	Lat:	45.0336192276475
Relate ID:	0000233739	Long:	-93.1428096407695
Unique No:	00233739	UTME:	488751
Status Code:	A	UTMN:	4986695
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	233739	Subsection:	BBDABC
Depth Drll:	78	MGS Quad Code:	119C
Depth Comp:	78	MGS Quadrangle:	New Brighton
Depth to BDRK:	78	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	922	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	ODCR	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	

Wells and Additional Sources Detail Report

Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	12/19/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	844
Geoc Date:	19900101	Botholelev:	844
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	844
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233739		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233739		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	SSE	0.50	2,665.55	936.29	WATER WELLS

Well ID:	233784	Lat:	45.0196515860788
Relate ID:	0000233784	Long:	-93.132621129739
Unique No:	00233784	UTME:	489551
Status Code:	A	UTMN:	4985142
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	LARSON	Section:	11
Well Label:	233784	Subsection:	ABAC
Depth Drll:	147	MGS Quad Code:	118C
Depth Comp:	147	MGS Quadrangle:	White Bear Lake East
Depth to BDRK:	147	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	934	Loc Mc:	5
Elev Mc:	T	Loc Src:	
Last Strat:	OSTP	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/23/1991
Aquifer Code:		Strat Update:	08/23/1991
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	

Wells and Additional Sources Detail Report

Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	01/07/2004
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	787
Geoc Date:	19900101	Botholelev:	787
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	787
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233784		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233784		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	SW	0.44	2,328.46	907.44	WATER WELLS

Well ID:	233894	Lat:	45.0208861538296
Relate ID:	0000233894	Long:	-93.1462938071745
Unique No:	00233894	UTME:	488474
Status Code:	A	UTMN:	4985281
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	G. REILING	Section:	2
Well Label:	233894	Subsection:	CCCC
Depth Drll:	199	MGS Quad Code:	119C
Depth Comp:	199	MGS Quadrangle:	New Brighton
Depth to BDRK:	199	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	908	Loc Mc:	5
Elev Mc:	T	Loc Src:	
Last Strat:	OSTP	Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	

Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	06/22/2016
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	709
Geoc Date:	19900101	Botholelev:	709
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	709
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233894		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233894		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	NNW	0.51	2,699.65	934.54	WATER WELLS

Well ID:	233717	Lat:	45.0344573965912
Relate ID:	0000233717	Long:	-93.1420119086351
Unique No:	00233717	UTME:	488814
Status Code:	A	UTMN:	4986788
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	233717	Subsection:	BBADAD
Depth Drll:	97	MGS Quad Code:	119C
Depth Comp:	97	MGS Quadrangle:	New Brighton
Depth to BDRK:	97	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	933	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	OPVL	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	

Wells and Additional Sources Detail Report

Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	02/11/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	836
Geoc Date:	19900101	Botholelev:	836
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	836
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233717		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233717		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	NNW	0.57	2,997.22	942.44	WATER WELLS

Well ID:	233809	Lat:	45.035628832036
Relate ID:	0000233809	Long:	-93.14104992797
Unique No:	00233809	UTME:	488890
Status Code:	A	UTMN:	4986918
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	233809	Subsection:	BABBBA
Depth Drll:	109	MGS Quad Code:	119C
Depth Comp:	109	MGS Quadrangle:	New Brighton
Depth to BDRK:	104	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	943	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	ODCR	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996

Wells and Additional Sources Detail Report

Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	02/11/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	839
Geoc Date:	19900101	Botholelev:	834
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	834
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233809		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233809		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NNW	0.57	3,023.05	942.48	WATER WELLS

Well ID:	233811	Lat:	45.035610373045
Relate ID:	0000233811	Long:	-93.1414180596349
Unique No:	00233811	UTME:	488861
Status Code:	A	UTMN:	4986916
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	2
Well Label:	233811	Subsection:	BABBBB
Depth Drll:	96	MGS Quad Code:	119C
Depth Comp:	96	MGS Quadrangle:	New Brighton
Depth to BDRK:	96	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	943	Loc Mc:	1
Elev Mc:	T	Loc Src:	
Last Strat:	ODCR	Data Src:	62006
OH Top Unit:		Input Src:	MGS

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OH Bot Unit:		Strat Date:	05/02/1996
Aquifer Code:		Strat Update:	05/02/1996
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	02/11/2003
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	847
Geoc Date:	19900101	Botholelev:	847
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	847
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233811		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233811		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	NE	0.55	2,913.24	896.13	WATER WELLS

Well ID:	225649	Lat:	45.0337436433161
Relate ID:	0000225649	Long:	-93.1290354995082
Unique No:	00225649	UTME:	489836
Status Code:	A	UTMN:	4986707
Well Status:	Active	Township:	29
Use Code:	OT	Range :	23
Use:	other (specify in remarks)	Range Dir:	W
Well Name:	OWASSO LAKE UNIT NO. 4	Section:	2
Well Label:	225649	Subsection:	AADBBC
Depth Drll:	514	MGS Quad Code:	119C
Depth Comp:	514	MGS Quadrangle:	New Brighton
Depth to BDRK:	142	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	891	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS

Wells and Additional Sources Detail Report

Last Strat:	CSTL	Data Src:	62012
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	CSTL	Strat Date:	10/17/1995
Aquifer Code:	MTPL	Strat Update:	10/17/1995
Aquifer Name:	Multiple	Strat Src Code:	MGS
Date Drll:	00/00/1925	Strat Source:	Minnesota Geological Survey
Case Diam:	18	Strat Geol:	JM
Case Depth:	140	Strat Mc:	Q
Grout:		Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	DS1	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	749
Geoc Date:	19900101	Botholelev:	377
Geocupd En:	619008	Ohtopelev:	751
Geocupd Da:	20021031	Ohbotelev:	377
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000225649		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000225649		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	NNW	0.60	3,150.90	950.77	WATER WELLS

Well ID:	496865	Lat:	45.0361120292338
Relate ID:	0000496865	Long:	-93.1408761836874
Unique No:	00496865	UTME:	488904
Status Code:	S	UTMN:	4986972
Well Status:	Sealed	Township:	30
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-1	Section:	35
Well Label:	496865	Subsection:	CDCCDB
Depth Drll:	15.5	MGS Quad Code:	119C
Depth Comp:	15.5	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey

Wells and Additional Sources Detail Report

Elevation:	948.2	Loc Mc:	G
Elev Mc:	L1	Loc Src:	MDH
Last Strat:	QLUU	Data Src:	M0017
OH Top Unit:	QLUU	Input Src:	MGS
OH Bot Unit:	QLUU	Strat Date:	0
Aquifer Code:	QWTA	Strat Update:	08/24/2018
Aquifer Name:	Quat. Water Table Aquifer	Strat Src Code:	MGS
Date Drll:	12/27/1991	Strat Source:	Minnesota Geological Survey
Case Diam:	2	Strat Geol:	BB
Case Depth:	5.5	Strat Mc:	Q
Grout:	Y	Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	25	SWL Count:	
Pollut Dir:	SW	SWL Date:	
Pollut Type:	VOC	SWL Avg Meas:	
Pollution Type:	Volatile organic compounds	SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	02/01/1994
Gcm Code:	DS2	Updt Date:	08/24/2018
Geoc Src:	MDH	Geoc Type:	
Geoc Prg:	WM	Geographic Type:	
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20160428	Botholelev:	932.7
Geocupd En:	0	Ohtopelev:	942.7
Geocupd Da:	0	Ohbotelev:	932.7
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000496865		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000496865		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	SE	0.61	3,244.25	934.57	WATER WELLS

Well ID:	243161	Lat:	45.020494486173
Relate ID:	0000243161	Long:	-93.1275968780948
Unique No:	00243161	UTME:	489947
Status Code:	A	UTMN:	4985235
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	11
Well Label:	243161	Subsection:	AAABAA
Depth Drll:	155	MGS Quad Code:	119C
Depth Comp:	155	MGS Quadrangle:	New Brighton

Wells and Additional Sources Detail Report

Depth to BDRK:	132	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	933	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OGWD	Data Src:	82006
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	08/23/1991
Aquifer Code:	OPVL	Strat Update:	08/23/1991
Aquifer Name:	Platteville	Strat Src Code:	
Date Drll:	00/00/1965	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	137	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	05/20/1991
Gcm Code:	A	Updt Date:	05/22/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	801
Geoc Date:	19900101	Botholelev:	778
Geocupd En:	0	Ohtopelev:	796
Geocupd Da:	0	Ohbotelev:	778
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000243161		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000243161		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.56	2,944.15	924.53	WATER WELLS

Well ID:	256996	Lat:	45.0341201317015
Relate ID:	0000256996	Long:	-93.1294702880328
Unique No:	00256996	UTME:	489802
Status Code:	S	UTMN:	4986749
Well Status:	Sealed	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	GULENCHYN, RONALD & MARY	Section:	2
Well Label:	256996	Subsection:	AABDDC

Wells and Additional Sources Detail Report

Depth Drll:	162	MGS Quad Code:	119C
Depth Comp:	162	MGS Quadrangle:	New Brighton
Depth to BDRK:	114	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	925	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	MGS
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	0
Aquifer Code:	OPSP	Strat Update:	10/20/2006
Aquifer Name:	Platteville-St.Peter	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	JM
Case Depth:	123	Strat Mc:	Q
Grout:		Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	05/10/2006
Gcm Code:	DS1	Updt Date:	10/13/2017
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	619008	Bdrkelev:	811
Geoc Date:	20060510	Botholelev:	763
Geocupd En:	0	Ohtopelev:	802
Geocupd Da:	0	Ohbotelev:	763
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000256996		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000256996		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.61	3,198.41	951.40	WATER WELLS

Well ID:	496866	Lat:	45.036275988988
Relate ID:	0000496866	Long:	-93.140744278134
Unique No:	00496866	UTME:	488914
Status Code:	S	UTMN:	4986990
Well Status:	Sealed	Township:	30
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W

Wells and Additional Sources Detail Report

Well Name:	MW-2	Section:	35
Well Label:	496866	Subsection:	CDCCAD
Depth Drll:	15.3	MGS Quad Code:	119C
Depth Comp:	15.3	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	948	Loc Mc:	G
Elev Mc:	L1	Loc Src:	MDH
Last Strat:	QLUU	Data Src:	M0017
OH Top Unit:	QLUU	Input Src:	MGS
OH Bot Unit:	QLUU	Strat Date:	0
Aquifer Code:	QWTA	Strat Update:	08/24/2018
Aquifer Name:	Quat. Water Table Aquifer	Strat Src Code:	MGS
Date Drll:	12/27/1991	Strat Source:	Minnesota Geological Survey
Case Diam:	2	Strat Geol:	BB
Case Depth:	5.3	Strat Mc:	Q
Grout:	Y	Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	30	SWL Count:	
Pollut Dir:	N	SWL Date:	
Pollut Type:	VOC	SWL Avg Meas:	
Pollution Type:	Volatile organic compounds	SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	02/01/1994
Gcm Code:	DS2	Updt Date:	08/24/2018
Geoc Src:	MDH	Geoc Type:	
Geoc Prg:	WM	Geographic Type:	
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20160428	Botholelev:	932.7
Geocupd En:	2182004	Ohtopelev:	942.7
Geocupd Da:	20160428	Ohbotelev:	932.7
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000496866		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000496866		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NNW	0.61	3,219.44	951.16	WATER WELLS

Well ID:	496867	Lat:	45.0362816285714
Relate ID:	0000496867	Long:	-93.1410005067966
Unique No:	00496867	UTME:	488894
Status Code:	S	UTMN:	4986991
Well Status:	Sealed	Township:	30

Wells and Additional Sources Detail Report

Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-3	Section:	35
Well Label:	496867	Subsection:	CDCCAC
Depth Drll:	15.3	MGS Quad Code:	119C
Depth Comp:	15.3	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	948	Loc Mc:	G
Elev Mc:	L1	Loc Src:	MDH
Last Strat:	QLUU	Data Src:	M0017
OH Top Unit:	QLUU	Input Src:	MGS
OH Bot Unit:	QLUU	Strat Date:	0
Aquifer Code:	QWTA	Strat Update:	08/24/2018
Aquifer Name:	Quat. Water Table Aquifer	Strat Src Code:	MGS
Date Drll:	12/30/1991	Strat Source:	Minnesota Geological Survey
Case Diam:	2	Strat Geol:	BB
Case Depth:	5.3	Strat Mc:	Q
Grout:	Y	Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	40	SWL Count:	
Pollut Dir:	SE	SWL Date:	
Pollut Type:	VOC	SWL Avg Meas:	
Pollution Type:	Volatile organic compounds	SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	02/01/1994
Gcm Code:	DS2	Updt Date:	08/24/2018
Geoc Src:	MDH	Geoc Type:	
Geoc Prg:	WM	Geographic Type:	
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20160428	Botholelev:	932.7
Geocupd En:	0	Ohtopelev:	942.7
Geocupd Da:	0	Ohbotelev:	932.7
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000496867		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000496867		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	ENE	0.60	3,190.08	890.86	WATER WELLS

Well ID:	556561	Lat:	45.0310653999099
Relate ID:	0000556561	Long:	-93.1251575813931
Unique No:	00556561	UTME:	490141

Wells and Additional Sources Detail Report

Status Code:	S	UTMN:	4986409
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	INDEPENDENT SCHOOL DISTR	Section:	1
Well Label:	556561	Subsection:	BCB
Depth Drll:	87	MGS Quad Code:	
Depth Comp:	86	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0017
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	03/20/2003
Aquifer Code:		Strat Update:	05/29/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	02/21/1995	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	75.4	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	03/20/2003
Gcm Code:	PQ3	Updt Date:	05/29/2008
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19960130		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	WNW	0.64	3,383.31	889.11	WATER WELLS

Well ID:	206845	Lat:	45.0311599244509

Wells and Additional Sources Detail Report

Relate ID:	0000206845	Long:	-93.1511947710388
Unique No:	00206845	UTME:	488090
Status Code:	A	UTMN:	4986423
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	DAVE TILTON	Section:	3
Well Label:	206845	Subsection:	ADBBCB
Depth Drll:	134	MGS Quad Code:	119C
Depth Comp:	134	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	890	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QUUU	Strat Update:	08/23/1991
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	11/03/1962	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	129	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0
Geoc Date:	19900101	Botholelev:	756
Geocupd En:	0	Ohtopelev:	761
Geocupd Da:	0	Ohbotelev:	756
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206845		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206845		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NE	0.61	3,221.90	932.23	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	273731	Lat:	45.0350872315704
Relate ID:	0000273731	Long:	-93.1294973546959
Unique No:	00273731	UTME:	489800
Status Code:	S	UTMN:	4986856
Well Status:	Sealed	Township:	29
Use Code:	AB	Range :	23
Use:	abandoned	Range Dir:	W
Well Name:		Section:	2
Well Label:	273731	Subsection:	AABADB
Depth Drll:	173	MGS Quad Code:	119C
Depth Comp:	173	MGS Quadrangle:	New Brighton
Depth to BDRK:	120	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	930	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	MGS
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	09/25/2013
Aquifer Name:		Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	0	Strat Geol:	TR
Case Depth:	0	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/25/2013
Gcm Code:	DS1	Updt Date:	10/15/2018
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	619008	Bdrkelev:	810
Geoc Date:	20130925	Botholelev:	757
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	757
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000273731		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000273731		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

61	N	0.65	3,419.22	960.28	WATER WELLS

Well ID:	277701	Lat:	45.0372193408642
Relate ID:	0000277701	Long:	-93.1379017531634
Unique No:	00277701	UTME:	489138
Status Code:	I	UTMN:	4987094
Well Status:	Inactive	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	35
Well Label:	277701	Subsection:	CDDABC
Depth Drll:	125	MGS Quad Code:	119C
Depth Comp:	125	MGS Quadrangle:	New Brighton
Depth to BDRK:	101	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	956	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	MGS
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	0
Aquifer Code:	OPVL	Strat Update:	05/12/2016
Aquifer Name:	Platteville	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	AJR
Case Depth:	122	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	05/11/2016
Gcm Code:	DS2	Updt Date:	05/12/2016
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	855
Geoc Date:	20160511	Botholelev:	831
Geocupd En:	0	Ohtopelev:	834
Geocupd Da:	0	Ohbotelev:	831
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000277701		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000277701		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ESE	0.67	3,530.93	934.66	WATER WELLS

Well ID:	476369	Lat:	45.0216136234834
Relate ID:	0000476369	Long:	-93.1249719821824
Unique No:	00476369	UTME:	490154
Status Code:	S	UTMN:	4985359
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	SUPER AMERICA GROUP MW-2	Section:	1
Well Label:	476369	Subsection:	CCC
Depth Drll:	70	MGS Quad Code:	
Depth Comp:	68	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	27058
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	06/13/2003
Aquifer Code:		Strat Update:	06/13/2003
Aquifer Name:		Strat Src Code:	
Date Drll:	01/31/1991	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	58	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	10/15/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			

Wells and Additional Sources Detail Report

Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ESE	0.67	3,530.93	934.66	WATER WELLS

Well ID:	476370	Lat:	45.0216136234834
Relate ID:	0000476370	Long:	-93.1249719821824
Unique No:	00476370	UTME:	490154
Status Code:	S	UTMN:	4985359
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-3	Section:	1
Well Label:	476370	Subsection:	CCC
Depth Drll:	70	MGS Quad Code:	
Depth Comp:	68	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0045
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	06/13/2003
Aquifer Code:		Strat Update:	06/13/2003
Aquifer Name:		Strat Src Code:	
Date Drll:	02/01/1991	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	58	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	10/15/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		

Wells and Additional Sources Detail Report

Log URL:
Strat URL:
Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ESE	0.67	3,530.93	934.66	WATER WELLS

Well ID:	476367	Lat:	45.0216136234834
Relate ID:	0000476367	Long:	-93.1249719821824
Unique No:	00476367	UTME:	490154
Status Code:	S	UTMN:	4985359
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-1	Section:	1
Well Label:	476367	Subsection:	CCC
Depth Drll:	78	MGS Quad Code:	
Depth Comp:	68	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	27058
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	06/13/2003
Aquifer Code:		Strat Update:	06/13/2003
Aquifer Name:		Strat Src Code:	
Date Drll:	01/30/1991	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	58	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	10/15/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	

Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19910308		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SSW	0.64	3,355.07	898.62	WATER WELLS

Well ID:	200104	Lat:	45.016873775427
Relate ID:	0000200104	Long:	-93.1443544643733
Unique No:	00200104	UTME:	488626
Status Code:	A	UTMN:	4984835
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	JOHNSON ELMER LARSON	Section:	11
Well Label:	200104	Subsection:	BCBAAC
Depth Drll:	185	MGS Quad Code:	119C
Depth Comp:	185	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	900	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QUUU	Strat Update:	08/23/1991
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	03/07/1961	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	185	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0

Wells and Additional Sources Detail Report

Geoc Date:	19900101	Botholelev:	715
Geocupd En:	0	Ohtopelev:	715
Geocupd Da:	0	Ohbotelev:	715
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000200104		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000200104		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	N	0.69	3,619.95	957.41	WATER WELLS

Well ID:	274163	Lat:	45.0377287798078
Relate ID:	0000274163	Long:	-93.1387165612074
Unique No:	00274163	UTME:	489074
Status Code:	I	UTMN:	4987151
Well Status:	Inactive	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	35
Well Label:	274163	Subsection:	CDACCD
Depth Drll:	164	MGS Quad Code:	119C
Depth Comp:	164	MGS Quadrangle:	New Brighton
Depth to BDRK:	104	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	958	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	MGS
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	0
Aquifer Code:	OSTP	Strat Update:	08/26/2014
Aquifer Name:	St.Peter	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	5	Strat Geol:	BB
Case Depth:	121	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/25/2014
Gcm Code:	DS2	Updt Date:	08/26/2014
Geoc Src:	MGS	Geoc Type:	

Wells and Additional Sources Detail Report

Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	854
Geoc Date:	20140825	Botholelev:	794
Geocupd En:	0	Ohtopelev:	837
Geocupd Da:	0	Ohbotelev:	794
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000274163		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000274163		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	N	0.68	3,584.51	960.55	WATER WELLS

Well ID:	233781	Lat:	45.0376604360716
Relate ID:	0000233781	Long:	-93.1359510416915
Unique No:	00233781	UTME:	489292
Status Code:	A	UTMN:	4987143
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	OLIN	Section:	35
Well Label:	233781	Subsection:	DCCB
Depth Drll:	170	MGS Quad Code:	119C
Depth Comp:	170	MGS Quadrangle:	New Brighton
Depth to BDRK:	124	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	963	Loc Mc:	
Elev Mc:	T	Loc Src:	
Last Strat:	OSTP	Data Src:	82006
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/24/1995
Aquifer Code:	MTPL	Strat Update:	06/02/2014
Aquifer Name:	Multiple	Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	126	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	05/20/1991

Wells and Additional Sources Detail Report

Gcm Code:	A	Updt Date:	06/02/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	839
Geoc Date:	19900101	Botholelev:	793
Geocupd En:	0	Ohtopelev:	837
Geocupd Da:	0	Ohbotelev:	793
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233781		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233781		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NNW	0.73	3,849.96	927.64	WATER WELLS

Well ID:	481691	Lat:	45.0366133145726
Relate ID:	0000481691	Long:	-93.1456102035961
Unique No:	00481691	UTME:	488531
Status Code:	S	UTMN:	4987028
Well Status:	Sealed	Township:	30
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-2	Section:	35
Well Label:	481691	Subsection:	CCC
Depth Drll:	14	MGS Quad Code:	
Depth Comp:	13.5	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	27653
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	04/15/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	05/26/1992	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	6	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	

Wells and Additional Sources Detail Report

Geo Chem:		Unused:	
Water Chem:		Entry Date:	04/15/2003
Gcm Code:	PQ3	Updt Date:	08/24/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NNW	0.73	3,849.96	927.64	WATER WELLS

Well ID:	481692	Lat:	45.0366133145726
Relate ID:	0000481692	Long:	-93.1456102035961
Unique No:	00481692	UTME:	488531
Status Code:	S	UTMN:	4987028
Well Status:	Sealed	Township:	30
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-3	Section:	35
Well Label:	481692	Subsection:	CCC
Depth Drll:	13	MGS Quad Code:	
Depth Comp:	12.5	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	27653
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	04/15/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	05/26/1992	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	5.5	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	

Wells and Additional Sources Detail Report

Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	04/15/2003
Gcm Code:	PQ3	Updt Date:	08/24/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NNW	0.73	3,849.96	927.64	WATER WELLS

Well ID:	481690	Lat:	45.0366133145726
Relate ID:	0000481690	Long:	-93.1456102035961
Unique No:	00481690	UTME:	488531
Status Code:	S	UTMN:	4987028
Well Status:	Sealed	Township:	30
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-1	Section:	35
Well Label:	481690	Subsection:	CCC
Depth Drll:	17	MGS Quad Code:	
Depth Comp:	16.5	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	27653
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	04/15/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	05/26/1992	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	9	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0

Wells and Additional Sources Detail Report

Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	04/15/2003
Gcm Code:	PQ3	Updt Date:	08/24/2012
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	E	0.70	3,718.80	937.64	WATER WELLS

Well ID:	208286	Lat:	45.0245778930041
Relate ID:	0000208286	Long:	-93.1225286206325
Unique No:	00208286	UTME:	490347
Status Code:	A	UTMN:	4985688
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ED TOENJES	Section:	1
Well Label:	208286	Subsection:	CBDDCC
Depth Drll:	161	MGS Quad Code:	119D
Depth Comp:	161	MGS Quadrangle:	White Bear Lake West
Depth to BDRK:	134	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	938	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	62136
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/23/1991
Aquifer Code:	MTPL	Strat Update:	08/23/1991
Aquifer Name:	Multiple	Strat Src Code:	
Date Drll:	05/27/1957	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	134	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	

Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	804
Geoc Date:	19900101	Botholelev:	777
Geocupd En:	0	Ohtopelev:	804
Geocupd Da:	0	Ohbotelev:	777
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000208286		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000208286		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	SSW	0.69	3,634.32	913.89	WATER WELLS

Well ID:	279846	Lat:	45.0162964808148
Relate ID:	0000279846	Long:	-93.1452794927596
Unique No:	00279846	UTME:	488553
Status Code:	A	UTMN:	4984771
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ANDERSON	Section:	11
Well Label:	279846	Subsection:	BCB
Depth Drll:	116	MGS Quad Code:	
Depth Comp:	116	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	1670
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	09/25/2018
Aquifer Code:		Strat Update:	09/25/2018
Aquifer Name:		Strat Src Code:	
Date Drll:	10/18/1961	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	109	Strat Mc:	

Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/25/2018
Gcm Code:	PQ3	Updt Date:	09/25/2018
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	NNW	0.76	4,018.12	963.93	WATER WELLS

Well ID:	256108	Lat:	45.0381813224368
Relate ID:	0000256108	Long:	-93.1427152660085
Unique No:	00256108	UTME:	488759
Status Code:	S	UTMN:	4987202
Well Status:	Sealed	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	35
Well Label:	256108	Subsection:	CCADBD
Depth Drll:	143	MGS Quad Code:	119C
Depth Comp:	143	MGS Quadrangle:	New Brighton
Depth to BDRK:	129	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	963	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	MGS
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	0
Aquifer Code:	OPVL	Strat Update:	12/24/2003
Aquifer Name:	Platteville	Strat Src Code:	MGS
Date Drll:	08/29/1956	Strat Source:	Minnesota Geological Survey

Case Diam:	3	Strat Geol:	BB
Case Depth:	130	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	DS1	Updt Date:	03/10/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	619007	Bdrkelev:	834
Geoc Date:	20031223	Botholelev:	820
Geocupd En:	0	Ohtopelev:	833
Geocupd Da:	0	Ohbotelev:	820
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000256108		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000256108		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NE	0.73	3,878.11	924.56	WATER WELLS

Well ID:	232316	Lat:	45.0367305418957
Relate ID:	0000232316	Long:	-93.1283914910318
Unique No:	00232316	UTME:	489887
Status Code:	I	UTMN:	4987039
Well Status:	Inactive	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	SANDER, BARB	Section:	35
Well Label:	232316	Subsection:	DDDCBA
Depth Drll:	267	MGS Quad Code:	119C
Depth Comp:	267	MGS Quadrangle:	New Brighton
Depth to BDRK:	128	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	925	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	0
Aquifer Code:	OSTP	Strat Update:	10/02/2006

Wells and Additional Sources Detail Report

Aquifer Name:	St.Peter	Strat Src Code:	MGS
Date Drll:	03/22/1962	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	JM
Case Depth:	240	Strat Mc:	Q
Grout:		Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/02/2006
Gcm Code:	DS1	Updt Date:	03/10/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	619007	Bdrkelev:	797
Geoc Date:	20061002	Botholelev:	658
Geocupd En:	0	Ohtopelev:	685
Geocupd Da:	0	Ohbotelev:	658
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000232316		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000232316		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	W	0.75	3,983.92	920.12	WATER WELLS

Well ID:	206849	Lat:	45.024249692533
Relate ID:	0000206849	Long:	-93.1555049781194
Unique No:	00206849	UTME:	487749
Status Code:	A	UTMN:	4985656
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	CALVIN LUDWIG	Section:	3
Well Label:	206849	Subsection:	DCBBAA
Depth Drll:	90	MGS Quad Code:	119C
Depth Comp:	90	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	915	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	
OH Top Unit:	QUUU	Input Src:	MGS

Wells and Additional Sources Detail Report

OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QUUU	Strat Update:	08/23/1991
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	04/08/1960	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0
Geoc Date:	19900101	Botholelev:	825
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	825
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206849		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206849		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	N	0.78	4,105.11	956.08	WATER WELLS

Well ID:	206838	Lat:	45.0391001704371
Relate ID:	0000206838	Long:	-93.1364242226762
Unique No:	00206838	UTME:	489255
Status Code:	A	UTMN:	4987303
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	35
Well Label:	206838	Subsection:	DCBBBC
Depth Drll:	118	MGS Quad Code:	119C
Depth Comp:	118	MGS Quadrangle:	New Brighton
Depth to BDRK:	112	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	955	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS

Last Strat:	OPVL	Data Src:	39008
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	08/23/1991
Aquifer Code:	OPVL	Strat Update:	08/23/1991
Aquifer Name:	Platteville	Strat Src Code:	
Date Drll:	09/28/1963	Strat Source:	
Case Diam:	3	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	03/10/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	843
Geoc Date:	19900101	Botholelev:	837
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	837
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206838		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206838		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	WNW	0.80	4,233.14	904.53	WATER WELLS

Well ID:	743053	Lat:	45.0317999994978
Relate ID:	0000743053	Long:	-93.1544333299484
Unique No:	00743053	UTME:	487835
Status Code:	S	UTMN:	4986495
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-6	Section:	3
Well Label:	743053	Subsection:	ACBAAA
Depth Drll:	16	MGS Quad Code:	119C
Depth Comp:	14	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey

Wells and Additional Sources Detail Report

Elevation:	905	Loc Mc:	G
Elev Mc:	T2	Loc Src:	MDH
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/16/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	9	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/17/2007
Gcm Code:	G6O	Updt Date:	12/24/2015
Geoc Src:	MDH	Geoc Type:	MW
Geoc Prg:	WM	Geographic Type:	Monitoring well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20060816	Botholelev:	889
Geocupd En:	0	Ohtopelev:	896
Geocupd Da:	0	Ohbotelev:	891
Rcvd Date:	20061006		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000743053		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000743053		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	N	0.79	4,160.35	953.86	WATER WELLS

Well ID:	206837	Lat:	45.0392446542285
Relate ID:	0000206837	Long:	-93.1360436691358
Unique No:	00206837	UTME:	489285
Status Code:	A	UTMN:	4987319
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	35
Well Label:	206837	Subsection:	DCBBBA
Depth Drll:	119	MGS Quad Code:	119C
Depth Comp:	119	MGS Quadrangle:	New Brighton

Depth to BDRK:	116	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	955	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	08/23/1991
Aquifer Code:	OPVL	Strat Update:	08/23/1991
Aquifer Name:	Platteville	Strat Src Code:	
Date Drll:	04/00/1963	Strat Source:	
Case Diam:	3	Strat Geol:	
Case Depth:	116	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	03/10/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	839
Geoc Date:	19900101	Botholelev:	836
Geocupd En:	0	Ohtopelev:	839
Geocupd Da:	0	Ohbotelev:	836
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206837		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206837		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	NNW	0.81	4,297.69	966.18	WATER WELLS

Well ID:	270769	Lat:	45.0391391727499
Relate ID:	0000270769	Long:	-93.1420896788084
Unique No:	00270769	UTME:	488809
Status Code:	I	UTMN:	4987308
Well Status:	Inactive	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ROBERTS CONSTRUCTION	Section:	35
Well Label:	270769	Subsection:	CCAAAA

Wells and Additional Sources Detail Report

Depth Drll:	154	MGS Quad Code:	119C
Depth Comp:	154	MGS Quadrangle:	New Brighton
Depth to BDRK:	130	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	965	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	0
Aquifer Code:	OPSP	Strat Update:	10/09/2018
Aquifer Name:	Platteville-St.Peter	Strat Src Code:	MGS
Date Drll:	11/12/1959	Strat Source:	Minnesota Geological Survey
Case Diam:	3	Strat Geol:	AJR
Case Depth:	129	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	11/03/2009
Gcm Code:	DS2	Updt Date:	10/09/2018
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619109	Bdrkelev:	835
Geoc Date:	20181003	Botholelev:	811
Geocupd En:	0	Ohtopelev:	836
Geocupd Da:	0	Ohbotelev:	811
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000270769		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000270769		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	N	0.82	4,334.51	960.33	WATER WELLS

Well ID:	271028	Lat:	45.0397219885035
Relate ID:	0000271028	Long:	-93.1382322762466
Unique No:	00271028	UTME:	489113
Status Code:	S	UTMN:	4987372
Well Status:	Sealed	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W

Wells and Additional Sources Detail Report

Well Name:	MICHELS CONST CO	Section:	35
Well Label:	271028	Subsection:	CADCDA
Depth Drll:	155	MGS Quad Code:	119C
Depth Comp:	155	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	958	Loc Mc:	G
Elev Mc:	L1	Loc Src:	MDH
Last Strat:		Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	12/16/2009
Aquifer Name:		Strat Src Code:	
Date Drll:	05/15/1966	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	155	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	11/10/2009
Gcm Code:	G6O	Updt Date:	10/19/2018
Geoc Src:	MDH	Geoc Type:	WW
Geoc Prg:	WM	Geographic Type:	Water well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20180612	Botholelev:	803
Geocupd En:	0	Ohtopelev:	803
Geocupd Da:	0	Ohbotelev:	803
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000271028		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000271028		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	SW	0.79	4,155.53	911.44	WATER WELLS

Well ID:	200097	Lat:	45.0173418885762
Relate ID:	0000200097	Long:	-93.1512980121689
Unique No:	00200097	UTME:	488079
Status Code:	A	UTMN:	4984888
Well Status:	Active	Township:	29

Wells and Additional Sources Detail Report

Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ROBERT GANZER	Section:	10
Well Label:	200097	Subsection:	AACCCA
Depth Drll:	98	MGS Quad Code:	119C
Depth Comp:	98	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	915	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QUUU	Strat Update:	08/23/1991
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	05/27/1959	Strat Source:	
Case Diam:	3	Strat Geol:	
Case Depth:	94	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0
Geoc Date:	19900101	Botholelev:	817
Geocupd En:	0	Ohtopelev:	821
Geocupd Da:	0	Ohbotelev:	817
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000200097		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000200097		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	S	0.84	4,442.79	937.54	WATER WELLS

Well ID:	592999	Lat:	45.0135169300052
Relate ID:	0000592999	Long:	-93.1363253970509
Unique No:	00592999	UTME:	489258

Wells and Additional Sources Detail Report

Status Code:	A	UTMN:	4984461
Well Status:	Active	Township:	29
Use Code:	EL	Range :	23
Use:	elevator	Range Dir:	W
Well Name:	ISD #623	Section:	11
Well Label:	592999	Subsection:	
Depth Drll:	15	MGS Quad Code:	119C
Depth Comp:	15	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	L0004
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	09/21/1999
Aquifer Code:		Strat Update:	12/16/2002
Aquifer Name:		Strat Src Code:	
Date Drll:	05/19/1997	Strat Source:	
Case Diam:	12	Strat Geol:	
Case Depth:	15	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/12/1999
Gcm Code:	PS	Updt Date:	08/08/2018
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	NW	0.87	4,574.98	906.34	WATER WELLS

Well ID:	270145	Lat:	45.0372400007818

Wells and Additional Sources Detail Report

Relate ID:	0000270145	Long:	-93.1492616606548
Unique No:	00270145	UTME:	488244
Status Code:	S	UTMN:	4987098
Well Status:	Sealed	Township:	30
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:		Section:	34
Well Label:	270145	Subsection:	DDDBBC
Depth Drll:	0	MGS Quad Code:	119C
Depth Comp:	0	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	901	Loc Mc:	G
Elev Mc:	T2	Loc Src:	MDH
Last Strat:		Data Src:	MDH
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	07/23/2008
Gcm Code:	G6O	Updt Date:	03/03/2017
Geoc Src:	MDH	Geoc Type:	WW
Geoc Prg:	WM	Geographic Type:	Water well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20080717	Botholelev:	0
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	0
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000270145		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000270145		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	NNW	0.85	4,493.60	958.74	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	270234	Lat:	45.0391512473647
Relate ID:	0000270234	Long:	-93.1442407923917
Unique No:	00270234	UTME:	488639
Status Code:	I	UTMN:	4987310
Well Status:	Inactive	Township:	30
Use Code:	AB	Range :	23
Use:	abandoned	Range Dir:	W
Well Name:		Section:	35
Well Label:	270234	Subsection:	CCABBC
Depth Drll:	125	MGS Quad Code:	119C
Depth Comp:	125	MGS Quadrangle:	New Brighton
Depth to BDRK:	120	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	958	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	MGS
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	0
Aquifer Code:	OPVL	Strat Update:	05/21/2009
Aquifer Name:	Platteville	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	JM
Case Depth:	122	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	05/21/2009
Gcm Code:	DS1	Updt Date:	12/16/2015
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	619007	Bdrkelev:	838
Geoc Date:	20090521	Botholelev:	833
Geocupd En:	0	Ohtopelev:	836
Geocupd Da:	0	Ohbotelev:	833
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000270234		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000270234		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

89	W	0.83	4,397.54	920.04	WATER WELLS

Well ID:	602106	Lat:	45.0282716454516
Relate ID:	0000602106	Long:	-93.1568868345082
Unique No:	00602106	UTME:	487641
Status Code:	A	UTMN:	4986103
Well Status:	Active	Township:	29
Use Code:	EL	Range :	23
Use:	elevator	Range Dir:	W
Well Name:	NORTHWESTERN COLLEGE	Section:	3
Well Label:	602106	Subsection:	
Depth Drll:	54	MGS Quad Code:	
Depth Comp:	52	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:	T	Loc Src:	
Last Strat:		Data Src:	L0004
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/15/2002
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	08/06/1997	Strat Source:	
Case Diam:	16	Strat Geol:	
Case Depth:	52	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	03/23/1998
Gcm Code:	PS	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	W	0.83	4,397.54	920.04	WATER WELLS

Well ID:	532692	Lat:	45.0282716454516
Relate ID:	0000532692	Long:	-93.1568868345082
Unique No:	00532692	UTME:	487641
Status Code:	A	UTMN:	4986103
Well Status:	Active	Township:	29
Use Code:	EL	Range :	23
Use:	elevator	Range Dir:	W
Well Name:	CITY OF ROSEVILLE	Section:	3
Well Label:	532692	Subsection:	
Depth Drll:	18	MGS Quad Code:	119C
Depth Comp:	18	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	L0002
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	08/27/1993	Strat Source:	
Case Diam:	12	Strat Geol:	
Case Depth:	18	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	1
Pollut Dir:		SWL Date:	08/27/1993
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/15/1994
Gcm Code:	PS	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			

Wells and Additional Sources Detail Report

Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	W	0.83	4,397.54	920.04	WATER WELLS

Well ID:	273391	Lat:	45.0282716454516
Relate ID:	0000273391	Long:	-93.1568868345082
Unique No:	00273391	UTME:	487641
Status Code:	A	UTMN:	4986103
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	WEINHOLTZER, ANTON	Section:	3
Well Label:	273391	Subsection:	
Depth Drll:	165	MGS Quad Code:	
Depth Comp:	165	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/27/2013
Aquifer Code:		Strat Update:	08/27/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PS	Updt Date:	08/27/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		

Wells and Additional Sources Detail Report

Log URL:
Strat URL:
Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	W	0.83	4,397.54	920.04	WATER WELLS

Well ID:	273314	Lat:	45.0282716454516
Relate ID:	0000273314	Long:	-93.1568868345082
Unique No:	00273314	UTME:	487641
Status Code:	A	UTMN:	4986103
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	ARDEN DAIRY	Section:	3
Well Label:	273314	Subsection:	
Depth Drll:	158	MGS Quad Code:	
Depth Comp:	158	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	07/31/2013
Aquifer Code:		Strat Update:	07/31/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	29	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PS	Updt Date:	07/31/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	

Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	W	0.83	4,397.54	920.04	WATER WELLS

Well ID:	272960	Lat:	45.0282716454516
Relate ID:	0000272960	Long:	-93.1568868345082
Unique No:	00272960	UTME:	487641
Status Code:	A	UTMN:	4986103
Well Status:	Active	Township:	29
Use Code:	UN	Range :	23
Use:	unknown	Range Dir:	W
Well Name:	WEINHOLTZER	Section:	3
Well Label:	272960	Subsection:	
Depth Drll:	131	MGS Quad Code:	
Depth Comp:	131	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62012
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	08/27/2013
Aquifer Code:		Strat Update:	08/27/2013
Aquifer Name:		Strat Src Code:	
Date Drll:	03/07/1933	Strat Source:	
Case Diam:	3	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/27/2013
Gcm Code:	PS	Updt Date:	08/27/2013
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	

Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	N	0.86	4,518.48	953.73	WATER WELLS

Well ID:	256067	Lat:	45.0400638240925
Relate ID:	0000256067	Long:	-93.1402775239605
Unique No:	00256067	UTME:	488952
Status Code:	S	UTMN:	4987411
Well Status:	Sealed	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	35
Well Label:	256067	Subsection:	CACDBC
Depth Drll:	122	MGS Quad Code:	119C
Depth Comp:	122	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	956	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	MGS
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	0
Aquifer Code:	QBAA	Strat Update:	08/26/2003
Aquifer Name:	Quat. Buried Artes. Aquifer	Strat Src Code:	MGS
Date Drll:	00/00/1960	Strat Source:	Minnesota Geological Survey
Case Diam:	3	Strat Geol:	BB
Case Depth:	122	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:	Yes	Entry Date:	0
Gcm Code:	DS1	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW

Wells and Additional Sources Detail Report

Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	619007	Bdrkelev:	0
Geoc Date:	20030826	Botholelev:	834
Geocupd En:	0	Ohtopelev:	834
Geocupd Da:	0	Ohbotelev:	834
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000256067		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000256067		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	WNW	0.87	4,601.87	885.02	WATER WELLS

Well ID:	726795	Lat:	45.0338291918532
Relate ID:	0000726795	Long:	-93.1544010313662
Unique No:	00726795	UTME:	487838
Status Code:	S	UTMN:	4986720
Well Status:	Sealed	Township:	29
Use Code:	OT	Range :	23
Use:	other (specify in remarks)	Range Dir:	W
Well Name:	MOUNDS VIEW ISD	Section:	3
Well Label:	726795	Subsection:	AB
Depth Drll:	15	MGS Quad Code:	
Depth Comp:	14.5	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	1916
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	06/17/2009
Aquifer Code:		Strat Update:	06/17/2009
Aquifer Name:		Strat Src Code:	
Date Drll:	10/25/2007	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	9.5	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	250	SWL Count:	0
Pollut Dir:	W	SWL Date:	0
Pollut Type:	VOC	SWL Avg Meas:	0
Pollution Type:	Volatile organic compounds	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	0

Wells and Additional Sources Detail Report

Gcm Code:	PQ2	Updt Date:	01/29/2016
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	20071108		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	SSW	0.84	4,427.17	936.37	WATER WELLS

Well ID:	200098	Lat:	45.014413027599
Relate ID:	0000200098	Long:	-93.146886497078
Unique No:	00200098	UTME:	488426
Status Code:	A	UTMN:	4984562
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ELMER T JOHNSON	Section:	10
Well Label:	200098	Subsection:	ADDDAA
Depth Drll:	160	MGS Quad Code:	119C
Depth Comp:	160	MGS Quadrangle:	New Brighton
Depth to BDRK:	146	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	935	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	08/23/1991
Aquifer Code:	OPVL	Strat Update:	08/23/1991
Aquifer Name:	Platteville	Strat Src Code:	
Date Drll:	05/30/1960	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	146	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	

Wells and Additional Sources Detail Report

Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	789
Geoc Date:	19900101	Botholelev:	775
Geocupd En:	0	Ohtopelev:	789
Geocupd Da:	0	Ohbotelev:	775
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000200098		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000200098		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	SSW	0.85	4,471.01	935.28	WATER WELLS

Well ID:	200099	Lat:	45.0143855807531
Relate ID:	0000200099	Long:	-93.1472290857634
Unique No:	00200099	UTME:	488399
Status Code:	A	UTMN:	4984559
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ELMER T JOHNSON	Section:	10
Well Label:	200099	Subsection:	ADDDBA
Depth Drll:	152	MGS Quad Code:	119C
Depth Comp:	152	MGS Quadrangle:	New Brighton
Depth to BDRK:	134	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	935	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	08/23/1991
Aquifer Code:	OPVL	Strat Update:	08/23/1991
Aquifer Name:	Platteville	Strat Src Code:	
Date Drll:	05/05/1960	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	134	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	

Wells and Additional Sources Detail Report

Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	801
Geoc Date:	19900101	Botholelev:	783
Geocupd En:	0	Ohtopelev:	801
Geocupd Da:	0	Ohbotelev:	783
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000200099		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000200099		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	NNE	0.85	4,503.01	953.75	WATER WELLS

Well ID:	280074	Lat:	45.0384890158552
Relate ID:	0000280074	Long:	-93.1278019178182
Unique No:	00280074	UTME:	489934
Status Code:	U	UTMN:	4987234
Well Status:	Unknown	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	EWING, RICHARD	Section:	35
Well Label:	280074	Subsection:	DDA
Depth Drll:	149	MGS Quad Code:	
Depth Comp:	149	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	07/24/2019
Aquifer Code:		Strat Update:	07/24/2019
Aquifer Name:		Strat Src Code:	
Date Drll:	08/27/1956	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0

Wells and Additional Sources Detail Report

Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	0
Gcm Code:	PQ3	Updt Date:	07/24/2019
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	19600811		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	WNW	0.89	4,723.43	917.24	WATER WELLS

Well ID:	743051	Lat:	45.0304816691272
Relate ID:	0000743051	Long:	-93.1572933366371
Unique No:	00743051	UTME:	487609
Status Code:	S	UTMN:	4986349
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-4	Section:	3
Well Label:	743051	Subsection:	BDADDB
Depth Drll:	20	MGS Quad Code:	119C
Depth Comp:	16	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	919	Loc Mc:	G
Elev Mc:	T2	Loc Src:	MDH
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/15/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	11	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	

Wells and Additional Sources Detail Report

Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/17/2007
Gcm Code:	G6O	Updt Date:	01/08/2019
Geoc Src:	MDH	Geoc Type:	MW
Geoc Prg:	WM	Geographic Type:	Monitoring well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20060815	Botholelev:	899
Geocupd En:	0	Ohtopelev:	908
Geocupd Da:	0	Ohbotelev:	903
Rcvd Date:	20061006		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000743051		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000743051		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	WNW	0.90	4,739.12	916.90	WATER WELLS

Well ID:	743055	Lat:	45.030631663393
Relate ID:	0000743055	Long:	-93.1572766604624
Unique No:	00743055	UTME:	487611
Status Code:	S	UTMN:	4986365
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-3	Section:	3
Well Label:	743055	Subsection:	BDADDB
Depth Drll:	20	MGS Quad Code:	119C
Depth Comp:	19	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	918	Loc Mc:	G
Elev Mc:	T2	Loc Src:	MDH
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/15/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	14	Strat Mc:	

Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/17/2007
Gcm Code:	G6O	Updt Date:	12/31/2018
Geoc Src:	MDH	Geoc Type:	MW
Geoc Prg:	WM	Geographic Type:	Monitoring well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20060815	Botholelev:	898
Geocupd En:	0	Ohtopelev:	904
Geocupd Da:	0	Ohbotelev:	899
Rcvd Date:	20061006		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000743055		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000743055		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	WNW	0.90	4,765.62	916.89	WATER WELLS

Well ID:	743052	Lat:	45.0308183374555
Relate ID:	0000743052	Long:	-93.1572816656366
Unique No:	00743052	UTME:	487610
Status Code:	S	UTMN:	4986386
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-5	Section:	3
Well Label:	743052	Subsection:	BDADAC
Depth Drll:	20	MGS Quad Code:	119C
Depth Comp:	16	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	918	Loc Mc:	G
Elev Mc:	T2	Loc Src:	MDH
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	05/29/2008
Aquifer Name:		Strat Src Code:	
Date Drll:	08/15/2006	Strat Source:	

Wells and Additional Sources Detail Report

Case Diam:	2	Strat Geol:	
Case Depth:	11	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/17/2007
Gcm Code:	G6O	Updt Date:	12/24/2015
Geoc Src:	MDH	Geoc Type:	MW
Geoc Prg:	WM	Geographic Type:	Monitoring well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20060815	Botholelev:	898
Geocupd En:	0	Ohtopelev:	907
Geocupd Da:	0	Ohbotelev:	902
Rcvd Date:	20061006		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000743052		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000743052		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	W	0.88	4,633.64	917.52	WATER WELLS

Well ID:	279841	Lat:	45.0254973423138
Relate ID:	0000279841	Long:	-93.1581359152986
Unique No:	00279841	UTME:	487542
Status Code:		UTMN:	4985795
Well Status:		Township:	29
Use Code:	IN	Range :	23
Use:	industrial	Range Dir:	W
Well Name:	FOODTOWN SUPERMARKET	Section:	3
Well Label:	279841	Subsection:	CAD
Depth Drll:	90	MGS Quad Code:	
Depth Comp:	90	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	09/18/2018
Aquifer Code:		Strat Update:	09/18/2018

Wells and Additional Sources Detail Report

Aquifer Name:		Strat Src Code:	
Date Drll:	10/31/1959	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/18/2018
Gcm Code:	PQ3	Updt Date:	09/18/2018
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	WNW	0.91	4,819.13	920.95	WATER WELLS

Well ID:	277938	Lat:	45.0327058201322
Relate ID:	0000277938	Long:	-93.1563338066117
Unique No:	00277938	UTME:	487686
Status Code:	S	UTMN:	4986595
Well Status:	Sealed	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	3
Well Label:	277938	Subsection:	ABCCBA
Depth Drll:	64.5	MGS Quad Code:	119C
Depth Comp:	64.5	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	917	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MDH
Last Strat:		Data Src:	MDH
OH Top Unit:		Input Src:	MGS

Wells and Additional Sources Detail Report

OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	03/24/2017
Aquifer Name:		Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	63	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	11/29/2016
Gcm Code:	DS1	Updt Date:	03/24/2017
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	0
Geoc Date:	20161129	Botholelev:	852.5
Geocupd En:	0	Ohtopelev:	854
Geocupd Da:	0	Ohbotelev:	852.5
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000277938		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000277938		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	WNW	0.91	4,819.13	920.95	WATER WELLS

Well ID:	277901	Lat:	45.0327084785715
Relate ID:	0000277901	Long:	-93.15632117586
Unique No:	00277901	UTME:	487687
Status Code:	S	UTMN:	4986596
Well Status:	Sealed	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	3
Well Label:	277901	Subsection:	ABCCBA
Depth Drll:	274	MGS Quad Code:	119C
Depth Comp:	274	MGS Quadrangle:	New Brighton
Depth to BDRK:	146	County Code:	62
First BDRK:	OSTP	County Name:	Ramsey
Elevation:	917	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS

Wells and Additional Sources Detail Report

Last Strat:	OSTP	Data Src:	MGS
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	0
Aquifer Code:	OSTP	Strat Update:	11/02/2016
Aquifer Name:	St.Peter	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	6	Strat Geol:	AJR
Case Depth:	189	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/31/2016
Gcm Code:	DS1	Updt Date:	07/03/2018
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619034	Bdrkelev:	771
Geoc Date:	20161031	Botholelev:	643
Geocupd En:	0	Ohtopelev:	728
Geocupd Da:	0	Ohbotelev:	643
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000277901		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000277901		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	NNW	0.92	4,841.15	961.39	WATER WELLS

Well ID:	270785	Lat:	45.0406106308234
Relate ID:	0000270785	Long:	-93.1424871635859
Unique No:	00270785	UTME:	488778
Status Code:	S	UTMN:	4987472
Well Status:	Sealed	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	RATFIELD COBB INC.	Section:	35
Well Label:	270785	Subsection:	CBDACA
Depth Drll:	150	MGS Quad Code:	119C
Depth Comp:	150	MGS Quadrangle:	New Brighton
Depth to BDRK:	118	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey

Wells and Additional Sources Detail Report

Elevation:	956	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	0
Aquifer Code:	OPSP	Strat Update:	06/18/2018
Aquifer Name:	Platteville-St.Peter	Strat Src Code:	MGS
Date Drll:	04/11/1960	Strat Source:	Minnesota Geological Survey
Case Diam:	3	Strat Geol:	AJR
Case Depth:	118	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/13/2009
Gcm Code:	DS2	Updt Date:	09/06/2018
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	838
Geoc Date:	20180615	Botholelev:	806
Geocupd En:	0	Ohtopelev:	838
Geocupd Da:	0	Ohbotelev:	806
Rcvd Date:	19600412		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000270785		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000270785		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	W	0.89	4,704.13	918.67	WATER WELLS

Well ID:	277887	Lat:	45.0253413413374
Relate ID:	0000277887	Long:	-93.1584100853165
Unique No:	00277887	UTME:	487520
Status Code:	S	UTMN:	4985778
Well Status:	Sealed	Township:	29
Use Code:	CO	Range :	23
Use:	commercial	Range Dir:	W
Well Name:		Section:	3
Well Label:	277887	Subsection:	CADCAA
Depth Drll:	81	MGS Quad Code:	119C
Depth Comp:	81	MGS Quadrangle:	New Brighton

Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	914	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	QUUU	Data Src:	MGS
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	0
Aquifer Code:	QUUU	Strat Update:	10/10/2016
Aquifer Name:	Quaternary Undiff.	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	BB
Case Depth:	71	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/10/2016
Gcm Code:	DS2	Updt Date:	07/03/2018
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	0
Geoc Date:	20161010	Botholelev:	833
Geocupd En:	0	Ohtopelev:	843
Geocupd Da:	0	Ohbotelev:	833
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000277887		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000277887		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	W	0.89	4,704.13	918.67	WATER WELLS

Well ID:	206846	Lat:	45.0253417687385
Relate ID:	0000206846	Long:	-93.1584011350467
Unique No:	00206846	UTME:	487521
Status Code:	A	UTMN:	4985778
Well Status:	Active	Township:	29
Use Code:	CO	Range :	23
Use:	commercial	Range Dir:	W
Well Name:	FOODTOWN SUPERMARKET	Section:	3
Well Label:	206846	Subsection:	CADCAA

Wells and Additional Sources Detail Report

Depth Drll:	289	MGS Quad Code:	119C
Depth Comp:	289	MGS Quadrangle:	New Brighton
Depth to BDRK:	97	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	915	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	MNDNR
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/23/1991
Aquifer Code:	OSTP	Strat Update:	03/26/2012
Aquifer Name:	St.Peter	Strat Src Code:	MGS
Date Drll:	12/15/1959	Strat Source:	Minnesota Geological Survey
Case Diam:	5	Strat Geol:	BO
Case Depth:	200	Strat Mc:	Q
Grout:	Y	Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	DS1	Updt Date:	09/30/2015
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	818
Geoc Date:	19900101	Botholelev:	626
Geocupd En:	619008	Ohtopelev:	715
Geocupd Da:	20150930	Ohbotelev:	626
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206846		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206846		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	WNW	0.92	4,834.53	917.96	WATER WELLS

Well ID:	743057	Lat:	45.0304383358212
Relate ID:	0000743057	Long:	-93.1577750039962
Unique No:	00743057	UTME:	487572
Status Code:	S	UTMN:	4986344
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W

Wells and Additional Sources Detail Report

Well Name:	MW-2D	Section:	3
Well Label:	743057	Subsection:	BDADCA
Depth Drll:	58	MGS Quad Code:	119C
Depth Comp:	58	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	918	Loc Mc:	G
Elev Mc:	T2	Loc Src:	MDH
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/15/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	48	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/17/2007
Gcm Code:	G6O	Updt Date:	12/24/2015
Geoc Src:	MDH	Geoc Type:	MW
Geoc Prg:	WM	Geographic Type:	Monitoring well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20060815	Botholelev:	860
Geocupd En:	0	Ohtopelev:	870
Geocupd Da:	0	Ohbotelev:	860
Rcvd Date:	20061006		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000743057		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000743057		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	WSW	0.88	4,672.25	931.19	WATER WELLS

Well ID:	278822	Lat:	45.0224241319618
Relate ID:	0000278822	Long:	-93.1577229110599
Unique No:	00278822	UTME:	487574
Status Code:	S	UTMN:	4985454
Well Status:	Sealed	Township:	29

Wells and Additional Sources Detail Report

Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:		Section:	3
Well Label:	278822	Subsection:	CDDABD
Depth Drll:	132	MGS Quad Code:	119C
Depth Comp:	132	MGS Quadrangle:	New Brighton
Depth to BDRK:	106	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	927	Loc Mc:	5
Elev Mc:	L1	Loc Src:	MGS
Last Strat:	OGWD	Data Src:	MGS
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OGWD	Strat Date:	0
Aquifer Code:	OPVL	Strat Update:	10/02/2017
Aquifer Name:	Platteville	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	3	Strat Geol:	AJR
Case Depth:	114	Strat Mc:	B
Grout:		Strat Method:	Inferred from geophysical log
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	09/29/2017
Gcm Code:	DS2	Updt Date:	10/30/2017
Geoc Src:	MGS	Geoc Type:	
Geoc Prg:	CWI	Geographic Type:	
Geoc Entry:	619007	Bdrkelev:	821
Geoc Date:	20170929	Botholelev:	795
Geocupd En:	0	Ohtopelev:	813
Geocupd Da:	0	Ohbotelev:	795
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000278822		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000278822		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	NNE	0.90	4,734.09	943.71	WATER WELLS

Well ID:	464561	Lat:	45.0400703252321
Relate ID:	0000464561	Long:	-93.1304717545877
Unique No:	00464561	UTME:	489724

Wells and Additional Sources Detail Report

Status Code:	A	UTMN:	4987410
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	OSELKA, HENRY	Section:	35
Well Label:	464561	Subsection:	DACCAC
Depth Drll:	128	MGS Quad Code:	119C
Depth Comp:	128	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	941	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	QFUB	Data Src:	62119
OH Top Unit:	QUUU	Input Src:	MGS
OH Bot Unit:	QUUU	Strat Date:	08/23/1991
Aquifer Code:	QBUA	Strat Update:	06/02/2014
Aquifer Name:	Quat. Buried Unconf. Aquife	Strat Src Code:	
Date Drll:	05/31/1990	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	128	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	100	SWL Count:	
Pollut Dir:	E	SWL Date:	
Pollut Type:	SEW	SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	Y
Water Chem:		Entry Date:	05/20/1991
Gcm Code:	A	Updt Date:	06/02/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	0
Geoc Date:	19900101	Botholelev:	813
Geocupd En:	0	Ohtopelev:	813
Geocupd Da:	0	Ohbotelev:	813
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000464561		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000464561		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	NNE	0.92	4,860.41	946.07	WATER WELLS

Well ID:	206836	Lat:	45.0407527729498

Wells and Additional Sources Detail Report

Relate ID:	0000206836	Long:	-93.1319461455795
Unique No:	00206836	UTME:	489608
Status Code:	A	UTMN:	4987486
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	CARPENTER, JOHN	Section:	35
Well Label:	206836	Subsection:	DBBDDA
Depth Drll:	146	MGS Quad Code:	119C
Depth Comp:	146	MGS Quadrangle:	New Brighton
Depth to BDRK:	105	County Code:	62
First BDRK:	OPVL	County Name:	Ramsey
Elevation:	950	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	71015
OH Top Unit:	OPVL	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	08/23/1991
Aquifer Code:	MTPL	Strat Update:	08/23/1991
Aquifer Name:	Multiple	Strat Src Code:	
Date Drll:	06/19/1970	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	107	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	08/14/1991
Gcm Code:	A	Updt Date:	03/29/2019
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	845
Geoc Date:	19900101	Botholelev:	804
Geocupd En:	0	Ohtopelev:	843
Geocupd Da:	0	Ohbotelev:	804
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000206836		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000206836		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	WNW	0.95	5,008.83	918.74	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	743056	Lat:	45.0310514649542
Relate ID:	0000743056	Long:	-93.1581639038188
Unique No:	00743056	UTME:	487541
Status Code:	S	UTMN:	4986412
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-3D	Section:	3
Well Label:	743056	Subsection:	BDA
Depth Drll:	60	MGS Quad Code:	
Depth Comp:	57	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/14/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	47	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	04/23/2007
Gcm Code:	PQ3	Updt Date:	09/15/2016
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	20061006		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

110	WNW	0.95	5,008.83	918.74	WATER WELLS

Well ID:	743050	Lat:	45.0310514649542
Relate ID:	0000743050	Long:	-93.1581639038188
Unique No:	00743050	UTME:	487541
Status Code:	S	UTMN:	4986412
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-1	Section:	3
Well Label:	743050	Subsection:	BDA
Depth Drll:	16	MGS Quad Code:	
Depth Comp:	12	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	04/23/2007
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/16/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	7	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	04/23/2007
Gcm Code:	PQ3	Updt Date:	09/15/2016
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	20061006		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	WNW	0.95	5,008.83	918.74	WATER WELLS

Well ID:	743054	Lat:	45.0310514649542
Relate ID:	0000743054	Long:	-93.1581639038188
Unique No:	00743054	UTME:	487541
Status Code:	S	UTMN:	4986412
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-2	Section:	3
Well Label:	743054	Subsection:	BDA
Depth Drll:	15	MGS Quad Code:	
Depth Comp:	15	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	1404
OH Top Unit:		Input Src:	MDH
OH Bot Unit:		Strat Date:	04/23/2007
Aquifer Code:		Strat Update:	04/23/2007
Aquifer Name:		Strat Src Code:	
Date Drll:	08/15/2006	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	10	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	0
Pollut Dir:		SWL Date:	0
Pollut Type:		SWL Avg Meas:	0
Pollution Type:		SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	04/23/2007
Gcm Code:	PQ3	Updt Date:	01/08/2019
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	20061006		
Log URL:			
Strat URL:			

Wells and Additional Sources Detail Report

Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SW	0.91	4,811.26	920.31	WATER WELLS

Well ID:	524628	Lat:	45.0145165748869
Relate ID:	0000524628	Long:	-93.1503260491779
Unique No:	00524628	UTME:	488155
Status Code:	S	UTMN:	4984574
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	AMOCO OIL CO.	Section:	10
Well Label:	524628	Subsection:	ADC
Depth Drll:	20	MGS Quad Code:	
Depth Comp:	17.5	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0054
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/25/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	03/16/1993	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	7.5	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	130	SWL Count:	1
Pollut Dir:	E	SWL Date:	03/16/1993
Pollut Type:	VOC	SWL Avg Meas:	11
Pollution Type:	Volatile organic compounds	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	01/03/1994
Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		

Wells and Additional Sources Detail Report

Log URL:
Strat URL:
Source: County Well Index (CWI) Database - unlocated water wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SW	0.91	4,811.26	920.31	WATER WELLS

Well ID:	524630	Lat:	45.0145165748869
Relate ID:	0000524630	Long:	-93.1503260491779
Unique No:	00524630	UTME:	488155
Status Code:	S	UTMN:	4984574
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-3	Section:	10
Well Label:	524630	Subsection:	ADC
Depth Drll:	21	MGS Quad Code:	
Depth Comp:	20	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0054
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/25/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	03/16/1993	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	10	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	55	SWL Count:	1
Pollut Dir:	NW	SWL Date:	03/16/1993
Pollut Type:	TAN	SWL Avg Meas:	13
Pollution Type:	Tanks	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	01/03/1994
Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	

Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SW	0.91	4,811.26	920.31	WATER WELLS

Well ID:	528332	Lat:	45.0145165748869
Relate ID:	0000528332	Long:	-93.1503260491779
Unique No:	00528332	UTME:	488155
Status Code:	S	UTMN:	4984574
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-5	Section:	10
Well Label:	528332	Subsection:	ADC
Depth Drll:	16.5	MGS Quad Code:	
Depth Comp:	16.5	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0054
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/24/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	05/18/1993	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	5.6	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	135	SWL Count:	1
Pollut Dir:	NE	SWL Date:	05/19/1993
Pollut Type:	TAN	SWL Avg Meas:	12
Pollution Type:	Tanks	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/03/1994
Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	

Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SW	0.91	4,811.26	920.31	WATER WELLS

Well ID:	524627	Lat:	45.0145165748869
Relate ID:	0000524627	Long:	-93.1503260491779
Unique No:	00524627	UTME:	488155
Status Code:	S	UTMN:	4984574
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-1	Section:	10
Well Label:	524627	Subsection:	ADC
Depth Drll:	21	MGS Quad Code:	
Depth Comp:	19	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0054
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/25/2003
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	03/15/1993	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	9	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	0	SWL Count:	1
Pollut Dir:		SWL Date:	03/15/1993
Pollut Type:	TAN	SWL Avg Meas:	11
Pollution Type:	Tanks	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	01/03/1994
Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	

Wells and Additional Sources Detail Report

Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SW	0.91	4,811.26	920.31	WATER WELLS

Well ID:	524626	Lat:	45.0145165748869
Relate ID:	0000524626	Long:	-93.1503260491779
Unique No:	00524626	UTME:	488155
Status Code:	S	UTMN:	4984574
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	AMOCO OIL CO.	Section:	10
Well Label:	524626	Subsection:	ADC
Depth Drll:	21	MGS Quad Code:	
Depth Comp:	20	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0054
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/25/2003
Aquifer Code:		Strat Update:	10/10/2012
Aquifer Name:		Strat Src Code:	
Date Drll:	03/15/1993	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	10	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	35	SWL Count:	1
Pollut Dir:	SW	SWL Date:	03/15/1993
Pollut Type:	TAN	SWL Avg Meas:	12
Pollution Type:	Tanks	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	01/03/1994

Wells and Additional Sources Detail Report

Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SW	0.91	4,811.26	920.31	WATER WELLS

Well ID:	528331	Lat:	45.0145165748869
Relate ID:	0000528331	Long:	-93.1503260491779
Unique No:	00528331	UTME:	488155
Status Code:	S	UTMN:	4984574
Well Status:	Sealed	Township:	29
Use Code:	MW	Range :	23
Use:	monitor well	Range Dir:	W
Well Name:	MW-6	Section:	10
Well Label:	528331	Subsection:	ADC
Depth Drll:	18	MGS Quad Code:	
Depth Comp:	17.2	MGS Quadrangle:	
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	M0054
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	03/24/2003
Aquifer Code:		Strat Update:	10/10/2012
Aquifer Name:		Strat Src Code:	
Date Drll:	05/18/1993	Strat Source:	
Case Diam:	2	Strat Geol:	
Case Depth:	7.2	Strat Mc:	
Grout:	Y	Strat Method:	
Pollut DST:	120	SWL Count:	1
Pollut Dir:	NE	SWL Date:	05/19/1993
Pollut Type:	TAN	SWL Avg Meas:	12.2
Pollution Type:	Tanks	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	

Wells and Additional Sources Detail Report

Geo Chem:		Unused:	N
Water Chem:		Entry Date:	01/03/1994
Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	SSW	0.94	4,962.49	929.80	WATER WELLS

Well ID:	667999	Lat:	45.0120866687949
Relate ID:	0000667999	Long:	-93.1425933364135
Unique No:	00667999	UTME:	488764
Status Code:	A	UTMN:	4984303
Well Status:	Active	Township:	29
Use Code:	IR	Range :	23
Use:	irrigation	Range Dir:	W
Well Name:	REAL LIFE CHURCH	Section:	11
Well Label:	667999	Subsection:	CBADCB
Depth Drll:	120	MGS Quad Code:	119C
Depth Comp:	120	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	931	Loc Mc:	
Elev Mc:	T	Loc Src:	MDH
Last Strat:	QHUU	Data Src:	1497
OH Top Unit:	QHUU	Input Src:	MDH
OH Bot Unit:	QHUU	Strat Date:	0
Aquifer Code:	QBAA	Strat Update:	05/30/2013
Aquifer Name:	Quat. Buried Artes. Aquifer	Strat Src Code:	MGS
Date Drll:	09/29/2007	Strat Source:	Minnesota Geological Survey
Case Diam:	6	Strat Geol:	BB
Case Depth:	113.5	Strat Mc:	Q
Grout:	Y	Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	

Wells and Additional Sources Detail Report

Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	10/15/2007
Gcm Code:	G6O	Updt Date:	02/14/2014
Geoc Src:	MDH	Geoc Type:	WW
Geoc Prg:	WM	Geographic Type:	Water well
Geoc Entry:	2182004	Bdrkelev:	0
Geoc Date:	20071001	Botholelev:	811
Geocupd En:	0	Ohtopelev:	817.5
Geocupd Da:	0	Ohbotelev:	811
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000667999		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000667999		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	WSW	0.92	4,873.50	924.24	WATER WELLS

Well ID:	247959	Lat:	45.0198652180803
Relate ID:	0000247959	Long:	-93.1572434509725
Unique No:	00247959	UTME:	487611
Status Code:	I	UTMN:	4985169
Well Status:	Inactive	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	RICHTER, LUCILLE	Section:	10
Well Label:	247959	Subsection:	BAADAB
Depth Drll:	137	MGS Quad Code:	119C
Depth Comp:	137	MGS Quadrangle:	New Brighton
Depth to BDRK:	107	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	924	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	MGS
OH Top Unit:	ODCR	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	10/17/1995
Aquifer Code:	MTPL	Strat Update:	10/17/1995
Aquifer Name:	Multiple	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey
Case Diam:	4	Strat Geol:	BB
Case Depth:	116	Strat Mc:	Q
Grout:		Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	

Wells and Additional Sources Detail Report

Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	07/09/1993
Gcm Code:	DS1	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	817
Geoc Date:	20000602	Botholelev:	787
Geocupd En:	619028	Ohtopelev:	808
Geocupd Da:	20040709	Ohbotelev:	787
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000247959		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000247959		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	NNE	0.94	4,974.90	944.39	WATER WELLS

Well ID:	469803	Lat:	45.0407455792114
Relate ID:	0000469803	Long:	-93.1303717141111
Unique No:	00469803	UTME:	489732
Status Code:	A	UTMN:	4987485
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ODANOVICH, JOE	Section:	35
Well Label:	469803	Subsection:	DACACA
Depth Drll:	0	MGS Quad Code:	119C
Depth Comp:	0	MGS Quadrangle:	New Brighton
Depth to BDRK:	68	County Code:	62
First BDRK:	OPGW	County Name:	Ramsey
Elevation:	941	Loc Mc:	
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OSTP	Data Src:	82054
OH Top Unit:	OSTP	Input Src:	MGS
OH Bot Unit:	OSTP	Strat Date:	03/17/1992
Aquifer Code:	OSTP	Strat Update:	06/02/2014
Aquifer Name:	St.Peter	Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	105	Strat Mc:	
Grout:	N	Strat Method:	
Pollut DST:	40	SWL Count:	

Pollut Dir:	N	SWL Date:	
Pollut Type:	SEW	SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	12/31/1991
Gcm Code:	A	Updt Date:	06/18/2015
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	873
Geoc Date:	19900101	Botholelev:	0
Geocupd En:	0	Ohtopelev:	836
Geocupd Da:	0	Ohbotelev:	0
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000469803		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000469803		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	N	0.98	5,196.74	949.78	WATER WELLS

Well ID:	604252	Lat:	45.042071925435
Relate ID:	0000604252	Long:	-93.1354662987553
Unique No:	00604252	UTME:	489331
Status Code:	A	UTMN:	4987633
Well Status:	Active	Township:	30
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	HOFFMAN, DAVE	Section:	35
Well Label:	604252	Subsection:	DBB
Depth Drll:	122	MGS Quad Code:	119C
Depth Comp:	122	MGS Quadrangle:	New Brighton
Depth to BDRK:	0	County Code:	62
First BDRK:		County Name:	Ramsey
Elevation:	0	Loc Mc:	
Elev Mc:		Loc Src:	
Last Strat:		Data Src:	62555
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	0
Aquifer Code:		Strat Update:	0
Aquifer Name:		Strat Src Code:	
Date Drll:	08/16/1997	Strat Source:	
Case Diam:	4	Strat Geol:	
Case Depth:	105	Strat Mc:	

Grout:	Y	Strat Method:	
Pollut DST:	60	SWL Count:	0
Pollut Dir:	SE	SWL Date:	0
Pollut Type:	SDF	SWL Avg Meas:	0
Pollution Type:	Septic tank/drain field	SWL Avg Elev:	0
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	N
Water Chem:		Entry Date:	08/19/1999
Gcm Code:	PQ3	Updt Date:	02/14/2014
Geoc Src:		Geoc Type:	
Geoc Prg:		Geographic Type:	
Geoc Entry:	0	Bdrkelev:	
Geoc Date:	0	Botholelev:	
Geocupd En:	0	Ohtopelev:	
Geocupd Da:	0	Ohbotelev:	
Rcvd Date:	0		
Log URL:			
Strat URL:			
Source:	County Well Index (CWI) Database - unlocated water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	WSW	0.97	5,096.75	929.82	WATER WELLS

Well ID:	247960	Lat:	45.0202226965295
Relate ID:	0000247960	Long:	-93.1584129259855
Unique No:	00247960	UTME:	487519
Status Code:	I	UTMN:	4985209
Well Status:	Inactive	Township:	29
Use Code:	CO	Range :	23
Use:	commercial	Range Dir:	W
Well Name:	CARLSON EQUIPMENT	Section:	10
Well Label:	247960	Subsection:	BAABDB
Depth Drll:	136	MGS Quad Code:	119C
Depth Comp:	136	MGS Quadrangle:	New Brighton
Depth to BDRK:	93	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	928	Loc Mc:	5
Elev Mc:	T	Loc Src:	MGS
Last Strat:	OPVL	Data Src:	MGS
OH Top Unit:	ODCR	Input Src:	MGS
OH Bot Unit:	OPVL	Strat Date:	10/17/1995
Aquifer Code:	MTPL	Strat Update:	10/17/1995
Aquifer Name:	Multiple	Strat Src Code:	MGS
Date Drll:	0	Strat Source:	Minnesota Geological Survey

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Case Diam:	3	Strat Geol:	BB
Case Depth:	111	Strat Mc:	Q
Grout:		Strat Method:	Geologic study 1:24k to 1:100k
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:	Yes	DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	07/09/1993
Gcm Code:	DS1	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	835
Geoc Date:	20000602	Botholelev:	792
Geocupd En:	619028	Ohtopelev:	817
Geocupd Da:	20040709	Ohbotelev:	792
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000247960		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000247960		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	WSW	0.99	5,215.48	929.71	WATER WELLS

Well ID:	233800	Lat:	45.020176188149
Relate ID:	0000233800	Long:	-93.158882808064
Unique No:	00233800	UTME:	487482
Status Code:	A	UTMN:	4985204
Well Status:	Active	Township:	29
Use Code:	DO	Range :	23
Use:	domestic	Range Dir:	W
Well Name:	ALBRECT LANDSCAPE	Section:	10
Well Label:	233800	Subsection:	BAAB
Depth Drll:	85	MGS Quad Code:	119C
Depth Comp:	85	MGS Quadrangle:	New Brighton
Depth to BDRK:	85	County Code:	62
First BDRK:	ODCR	County Name:	Ramsey
Elevation:	930	Loc Mc:	5
Elev Mc:	T	Loc Src:	
Last Strat:	ODCR	Data Src:	62006
OH Top Unit:		Input Src:	MGS
OH Bot Unit:		Strat Date:	12/02/1991
Aquifer Code:	QUUU	Strat Update:	12/02/1991

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Aquifer Name:	Quaternary Undiff.	Strat Src Code:	
Date Drll:	0	Strat Source:	
Case Diam:	0	Strat Geol:	
Case Depth:	0	Strat Mc:	
Grout:		Strat Method:	
Pollut DST:	0	SWL Count:	
Pollut Dir:		SWL Date:	
Pollut Type:		SWL Avg Meas:	
Pollution Type:		SWL Avg Elev:	
Cuttings:		OB Well:	
Core:		SWL:	Yes
BH Geophys:		DH Video:	
Geo Chem:		Unused:	
Water Chem:		Entry Date:	10/04/1983
Gcm Code:	A	Updt Date:	02/14/2014
Geoc Src:	MGS	Geoc Type:	WW
Geoc Prg:	CWI	Geographic Type:	Water well
Geoc Entry:	0	Bdrkelev:	845
Geoc Date:	19900101	Botholelev:	845
Geocupd En:	0	Ohtopelev:	0
Geocupd Da:	0	Ohbotelev:	845
Rcvd Date:	0		
Log URL:	https://mnwellindex.web.health.state.mn.us/mwi/welllog.xhtml?wellId=0000233800		
Strat URL:	https://mnwellindex.web.health.state.mn.us/mwi/stratreport.xhtml?wellId=0000233800		
Source:	County Well Index (CWI) Database - located and digitized water wells		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *RAMSEY* County: **1**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *RAMSEY* County

No Measures/Homes:	32
Geometric Mean:	3
Arithmetic Mean:	3.6
Median:	3.3
Standard Deviation:	2.3
Maximum:	10.1
% >4 pCi/L:	31
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Minnesota conducted during 1987-88. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

County Well Index — **WATER WELLS**

The County Well Index (CWI), made available by the Minnesota Geological Survey, contains information

for over 452,000 water-wells drilled in Minnesota. The data are derived from water-well contractors' logs of geologic materials encountered during drilling. Confirmed locations and interpreted geologic well records are available for over 244,500 of the wells.

Oil and Gas Wells **OGW**

As of MN state regulatory agencies, FracTracker Alliance - state of Minnesota confirmed not to have any active (drilled but not plugged) oil and gas wells.

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Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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APPENDIX C
Aerial Photographs

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property: Owassa Lake - Roseville
Victoria St N
Roseville MN

Requested By: Sambatek

Order No: 21011200268

Data Completed: January 14,2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

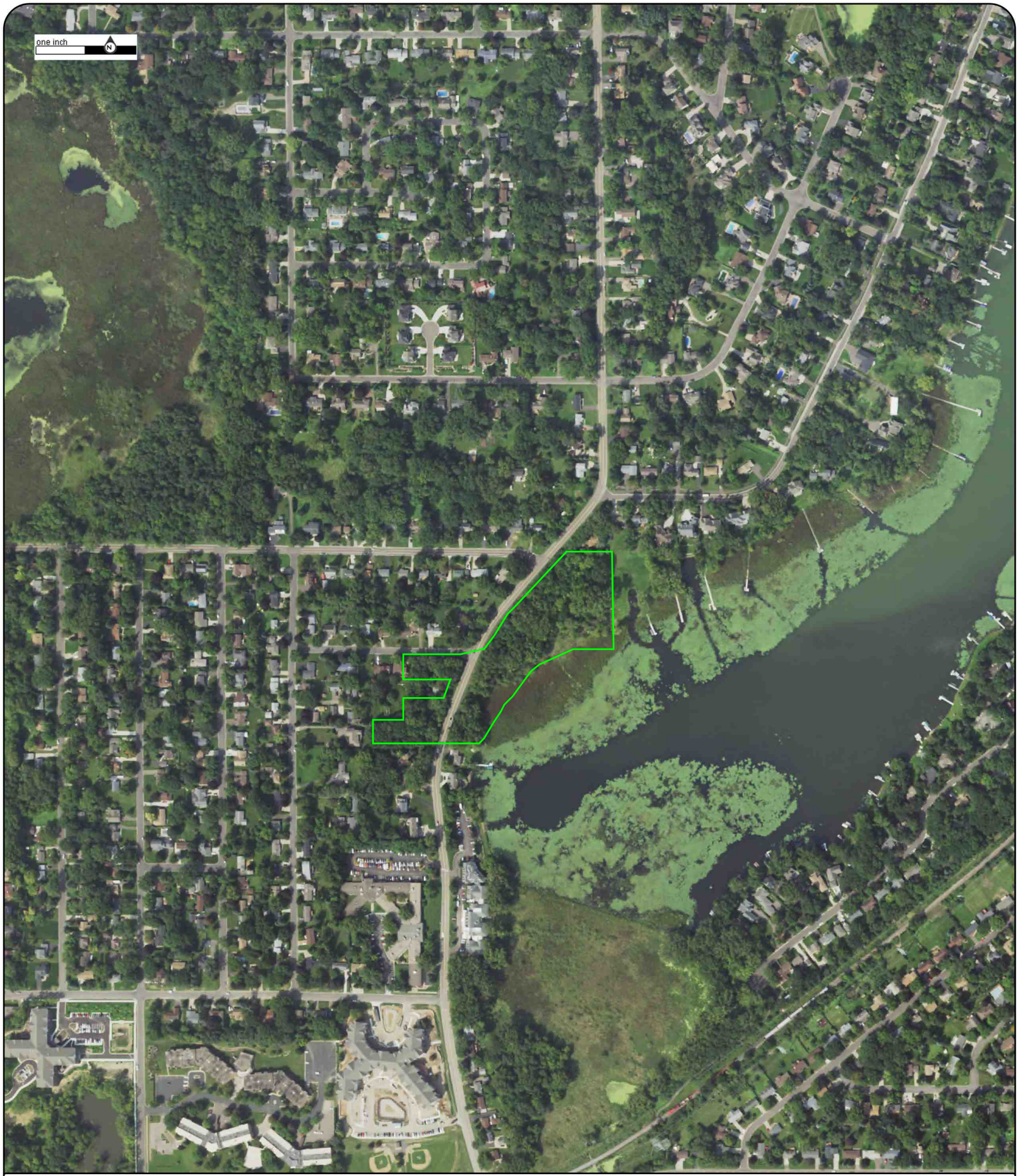
Date	Source	Source Scale	Comments
2019	National Agriculture Information Program	1" to 500'	
2017	National Agriculture Information Program	1" to 500'	
2015	National Agriculture Information Program	1" to 500'	
2013	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2008	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
2003	National Agriculture Information Program	1" to 500'	
1991	US Geological Survey	1" to 500'	
1984	National High Altitude Photography	1" to 500'	
1972	US Geological Survey	1" to 500'	
1966	US Geological Survey	1" to 500'	
1957	Agriculture and Soil Conservation Service	1" to 500'	
1947	Agriculture and Soil Conservation Service	1" to 500'	
1940	Agriculture and Soil Conservation Service	1" to 500'	

Year:2019
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2017
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2015
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2013
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2010
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

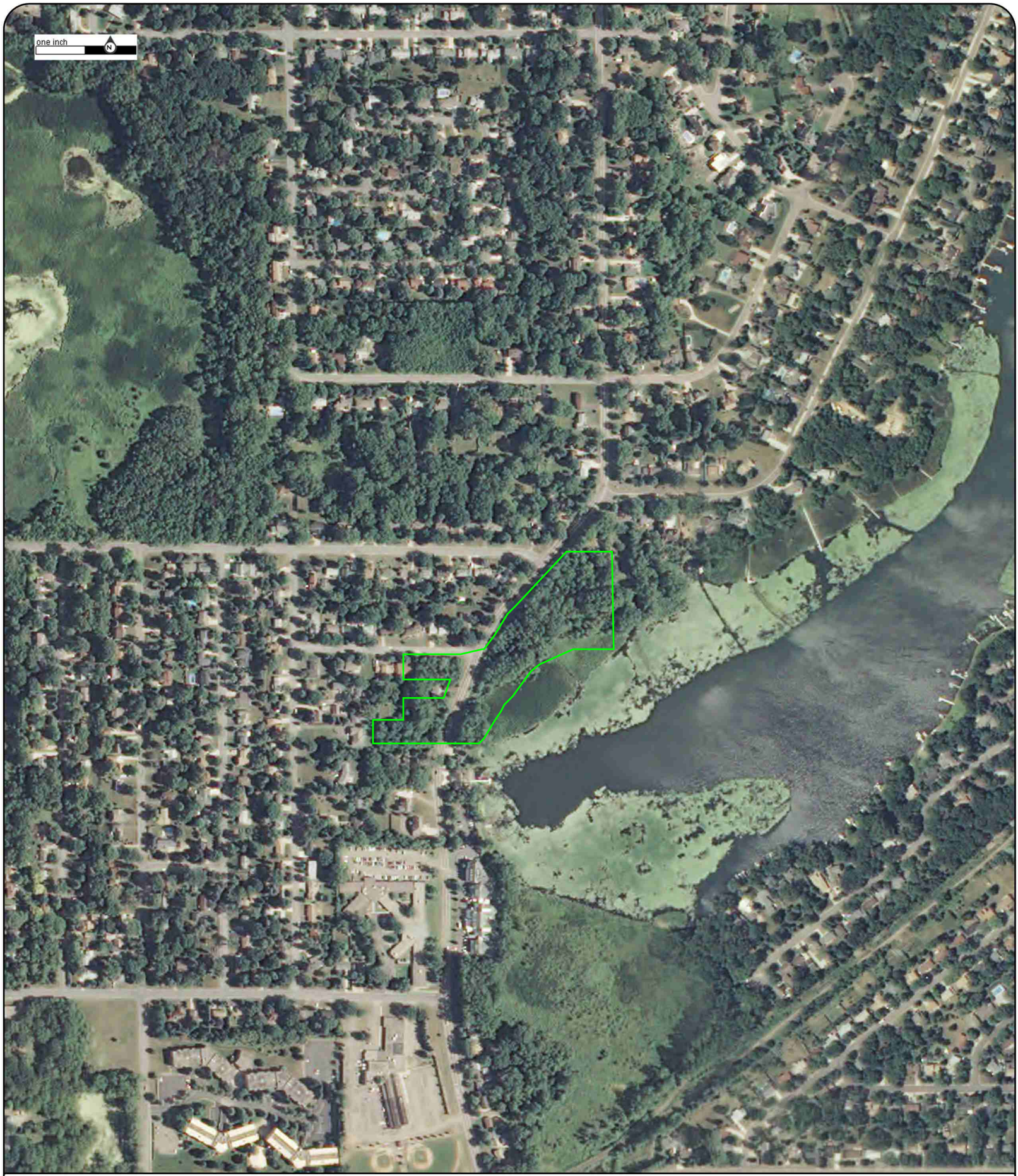
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2009
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2008
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

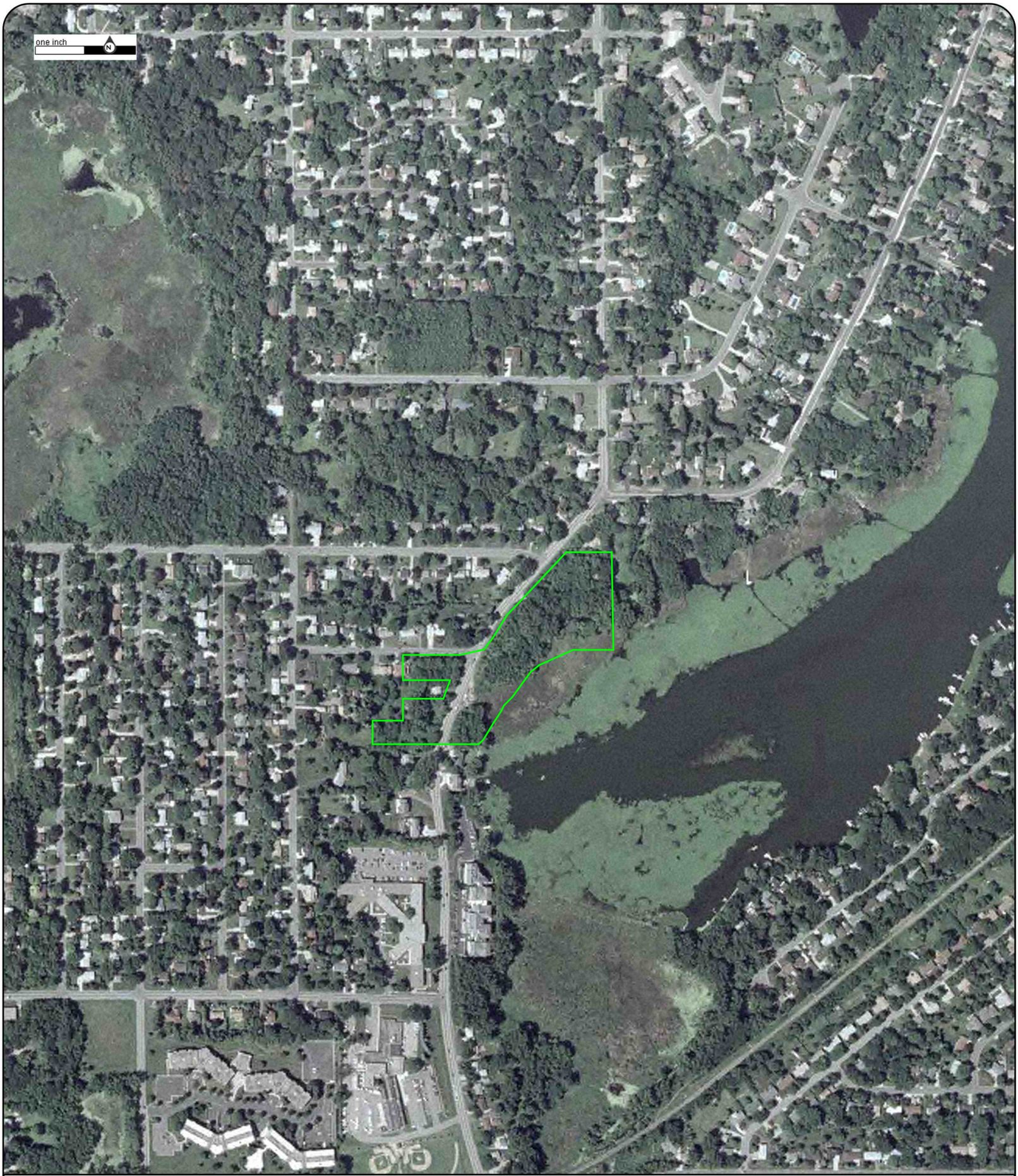
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:2005
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:2003
Source:NAIP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1991
Source:USGS
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1984
Source:NHAP
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

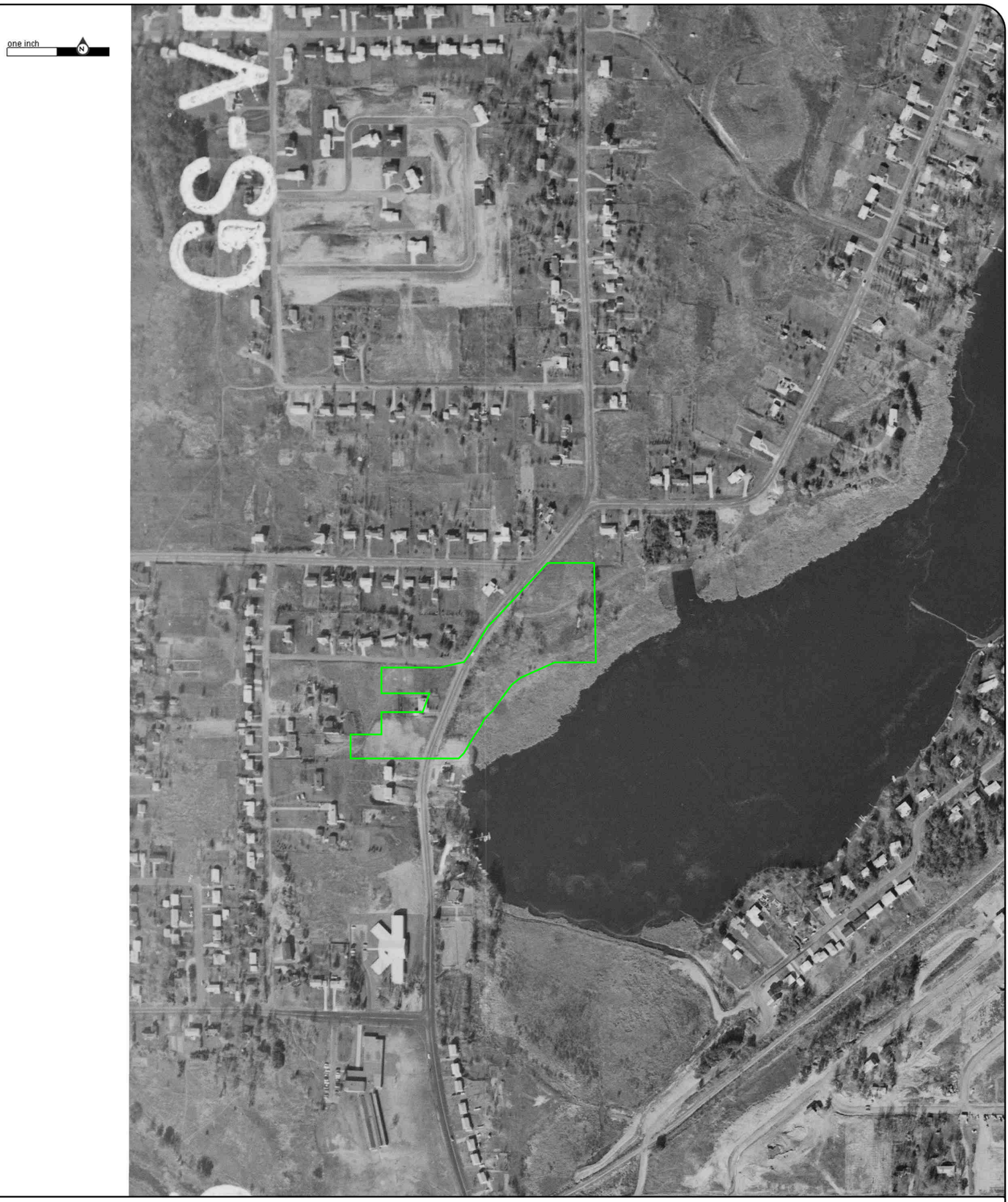
ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1972
Source:USGS
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1966
Source:USGS
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1957
Source:ASCS
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1947
Source:ASCS
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

Year:1940
Source:ASCS
Scale:1" to 500'
Comment:

Address:Victoria St N, Roseville, MN
Approx Center:45.02663648/-93.13817862

Order No:21011200268

ENVIRONMENTAL RISK INFORMATION SERVICES

APPENDIX D
USGS Topographic Maps

ENVIRONMENTAL RISK INFORMATION SERVICES

TOPOGRAPHIC MAPS

Project Property:	Owassa Lake - Roseville Victoria St N Roseville MN
Project No:	22422
Requested By:	Sambatek
Order No:	21011200268
Date Completed:	January 12, 2021

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2016	7.5
1997	7.5
1993	7.5
1980	7.5
1972	7.5
1967	7.5
1952	7.5
1958	15
1902	15

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
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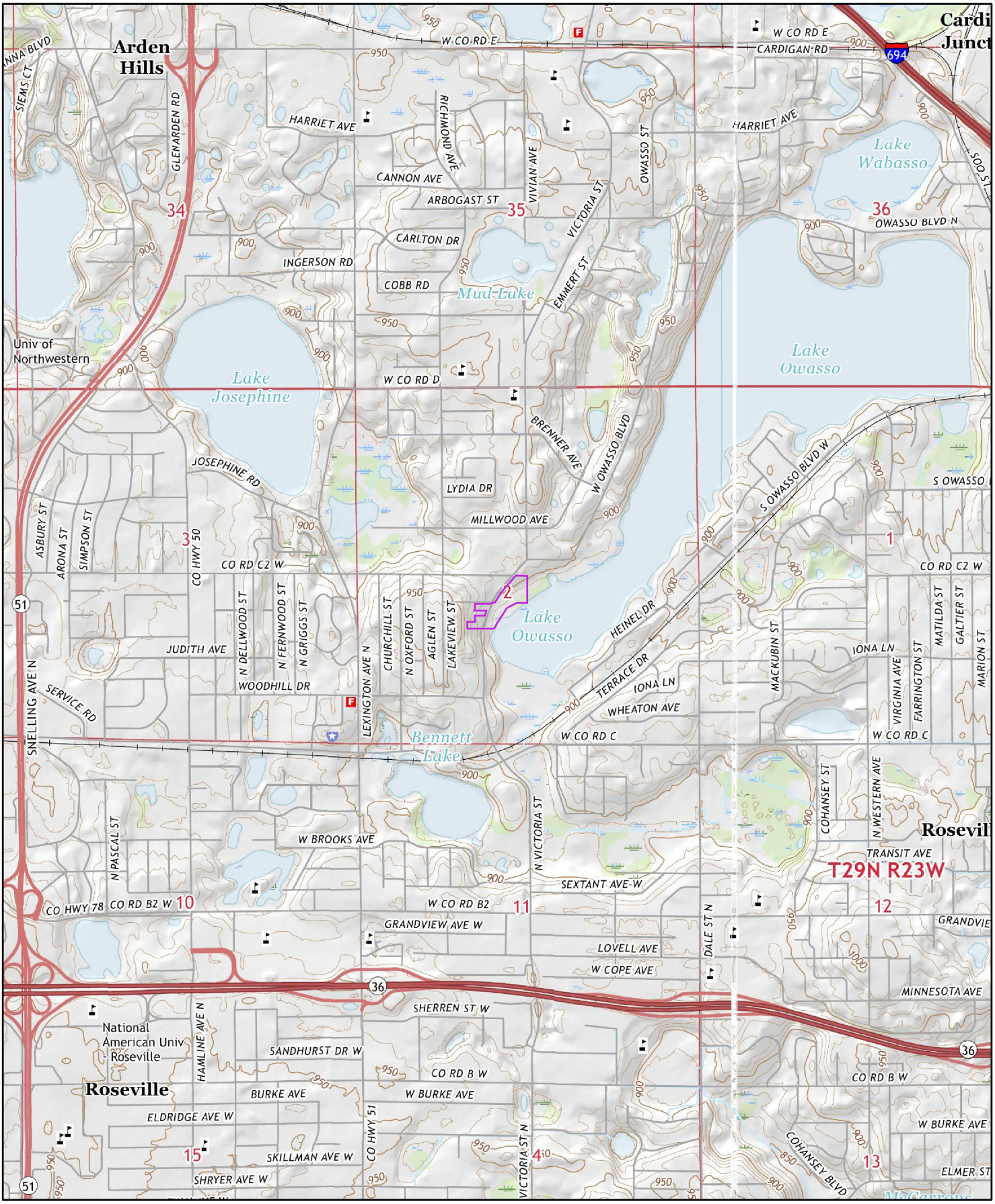


2016

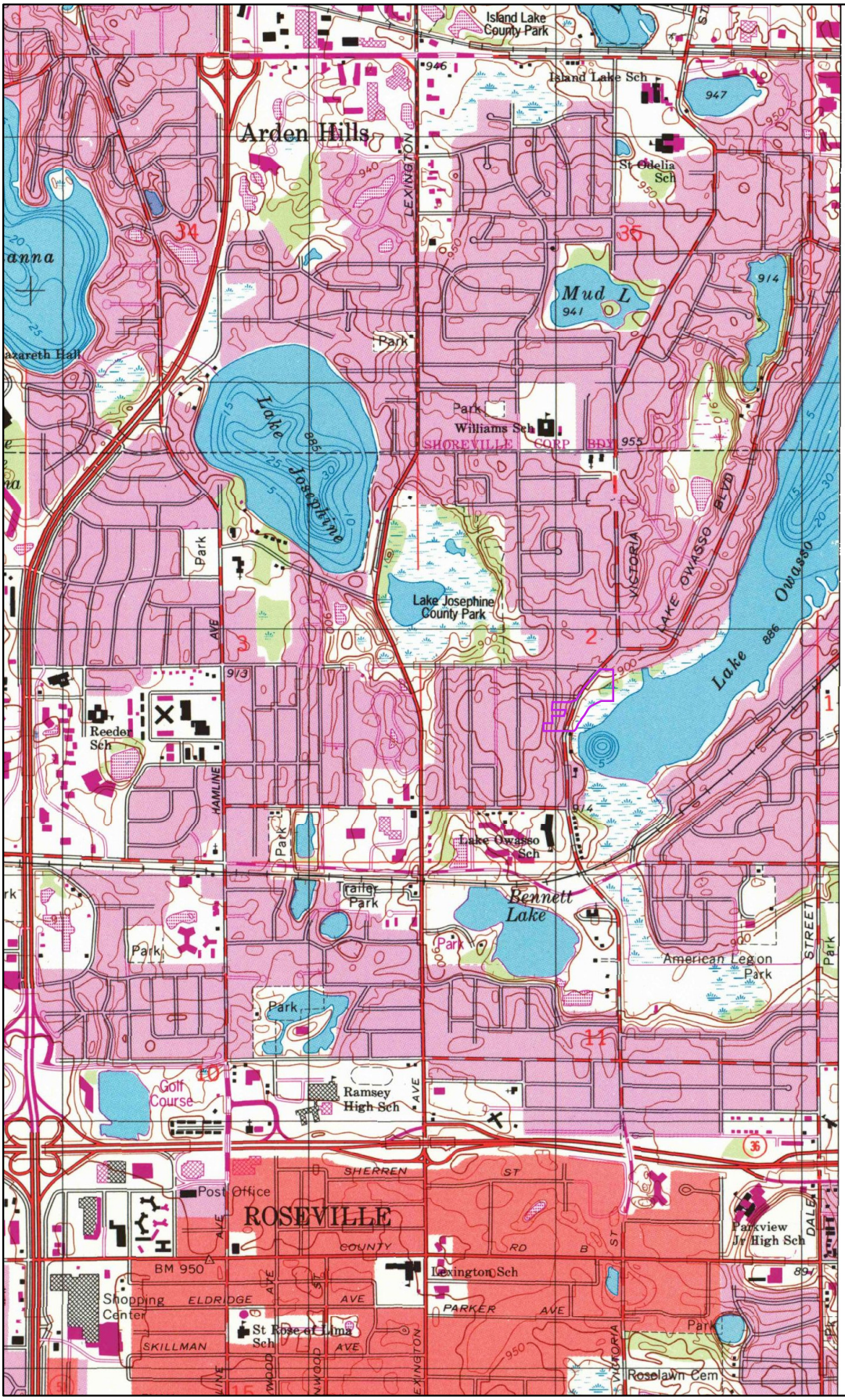
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1997

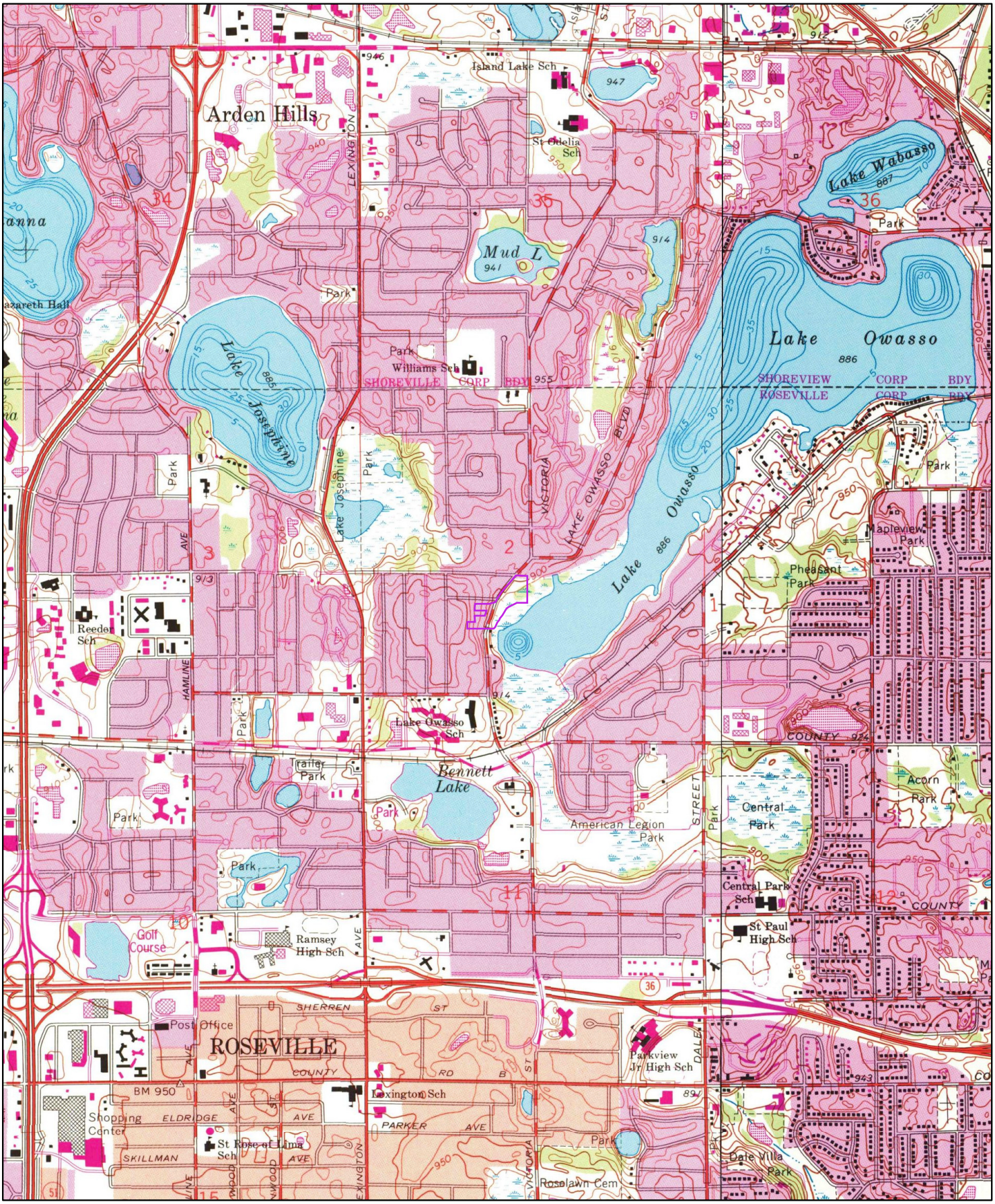
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ENVIRONMENTAL RISK INFORMATION SERVICES



1993

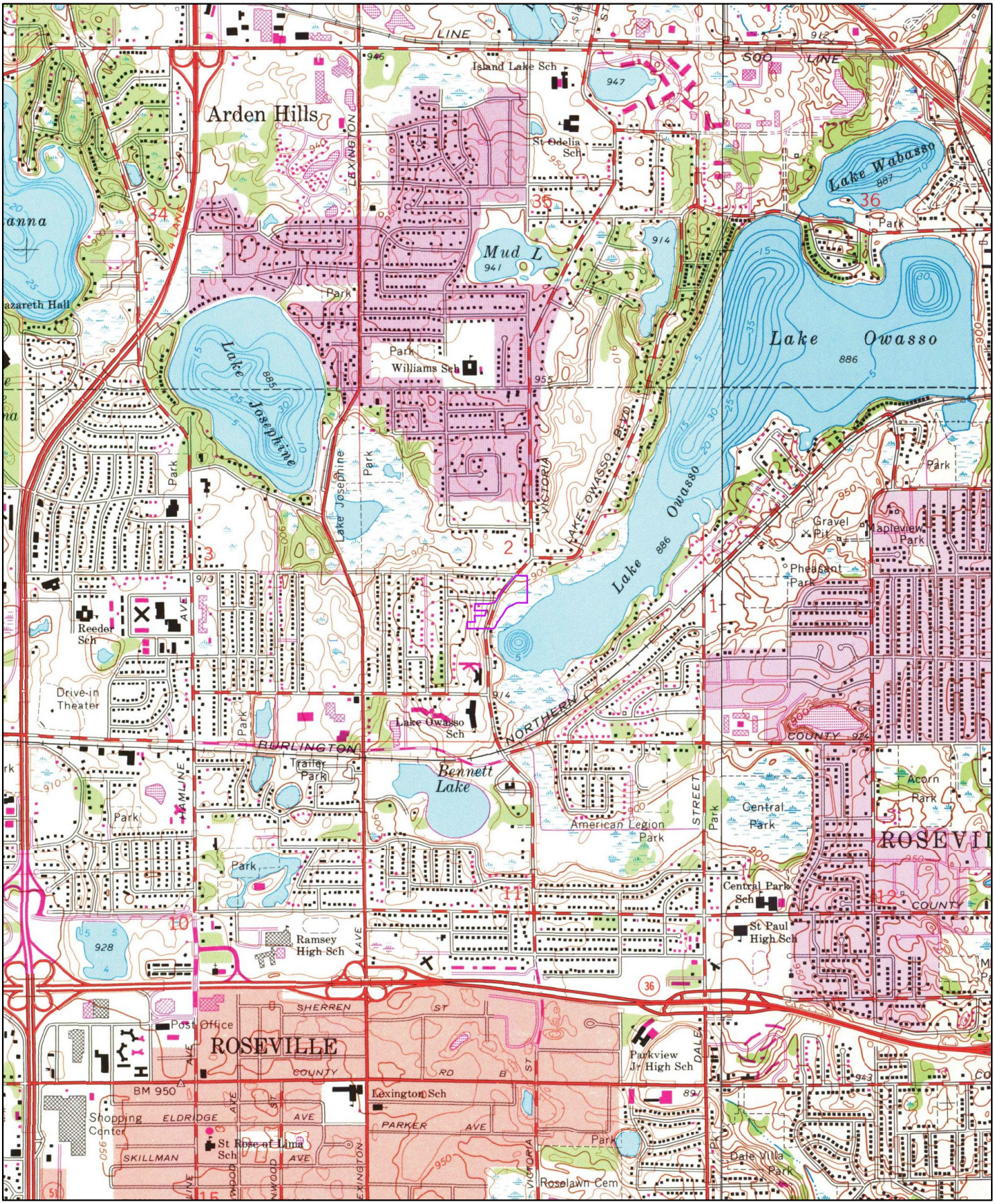
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1980

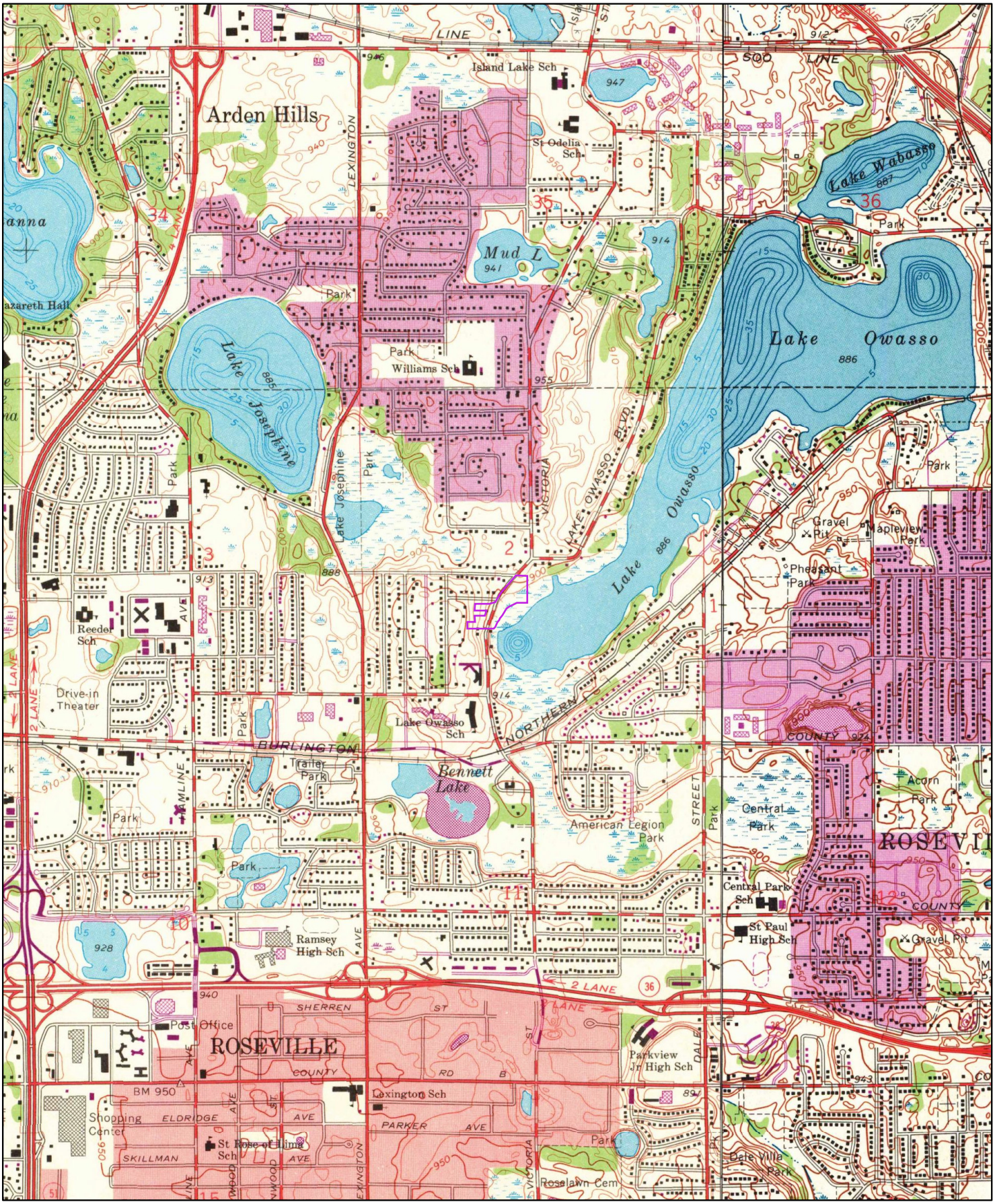
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1972

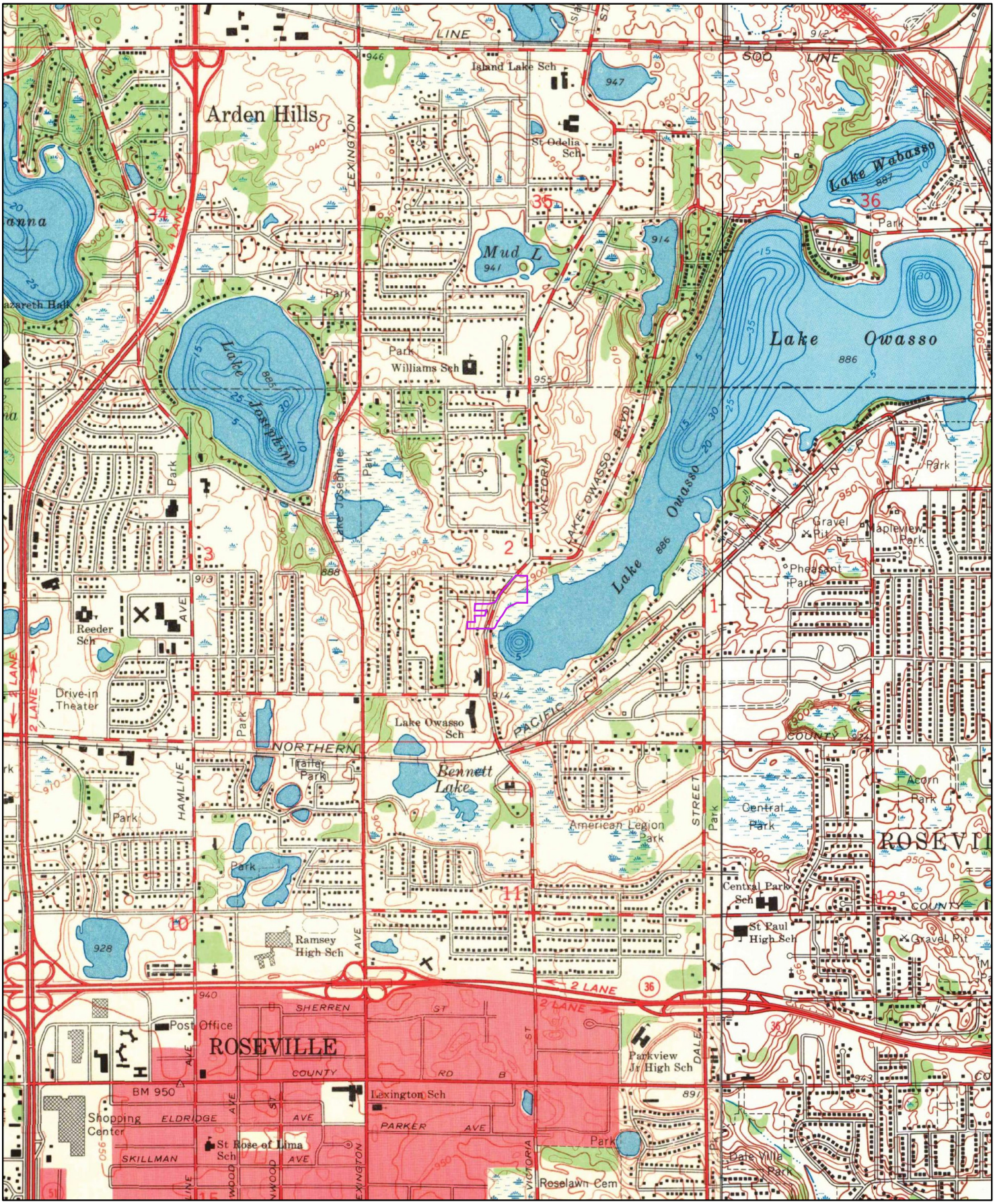
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1967

0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

1952

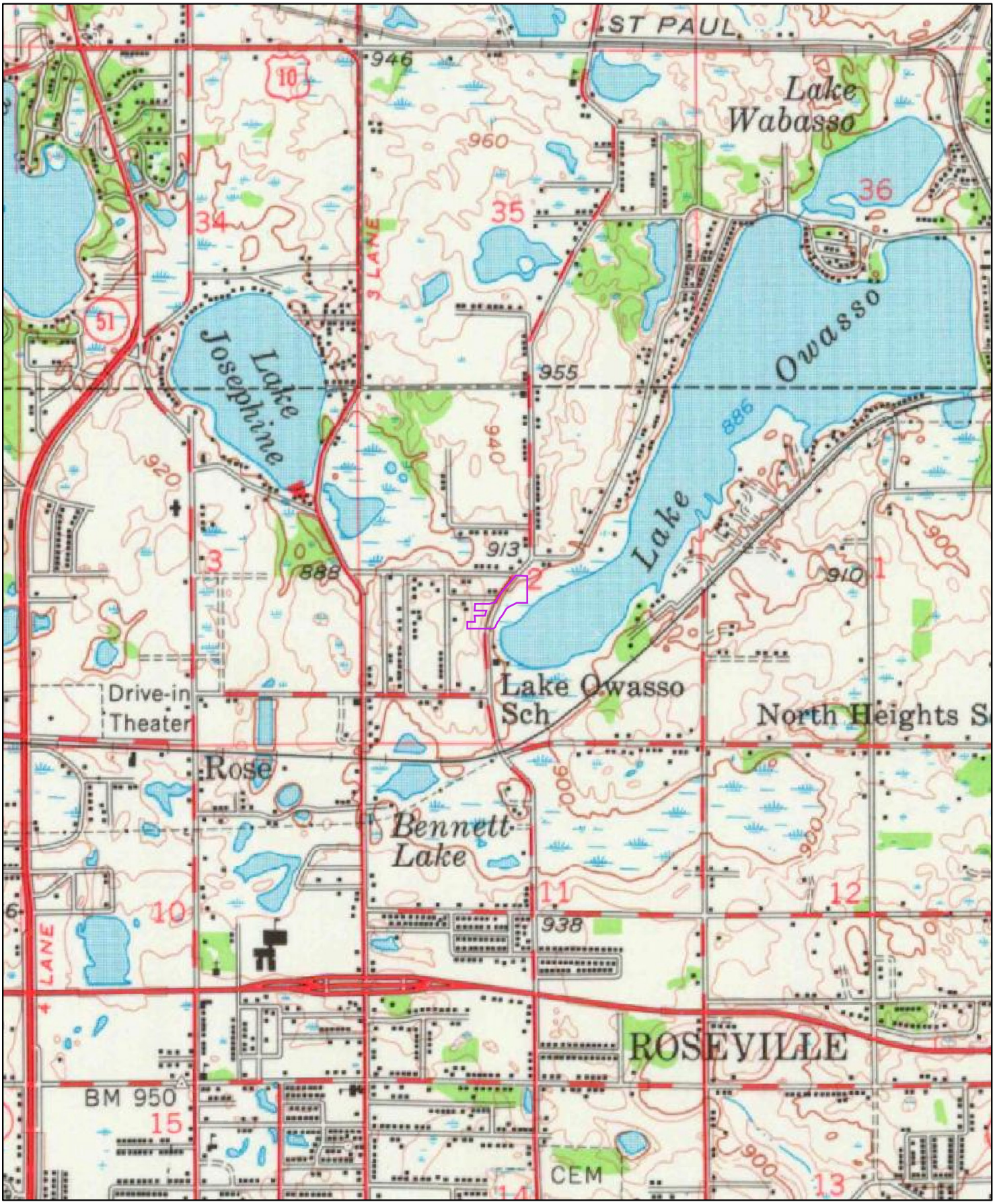
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1958

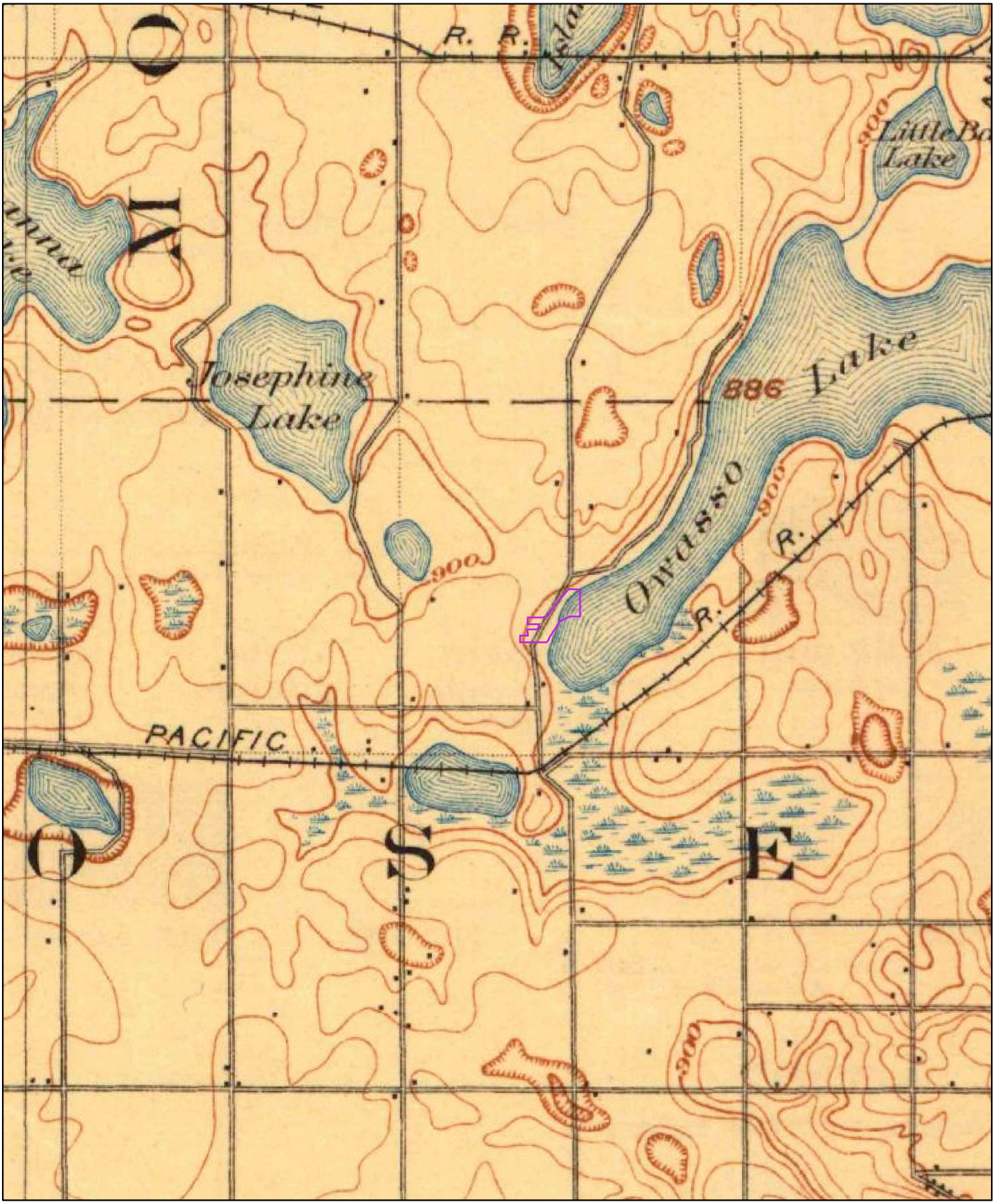
0 0.2 0.4 0.8 Miles

Order No. 21011200268

Quadrangle(s): New Brighton,MN

Source: USGS 15 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1902

0 0.2 0.4 0.8 Miles

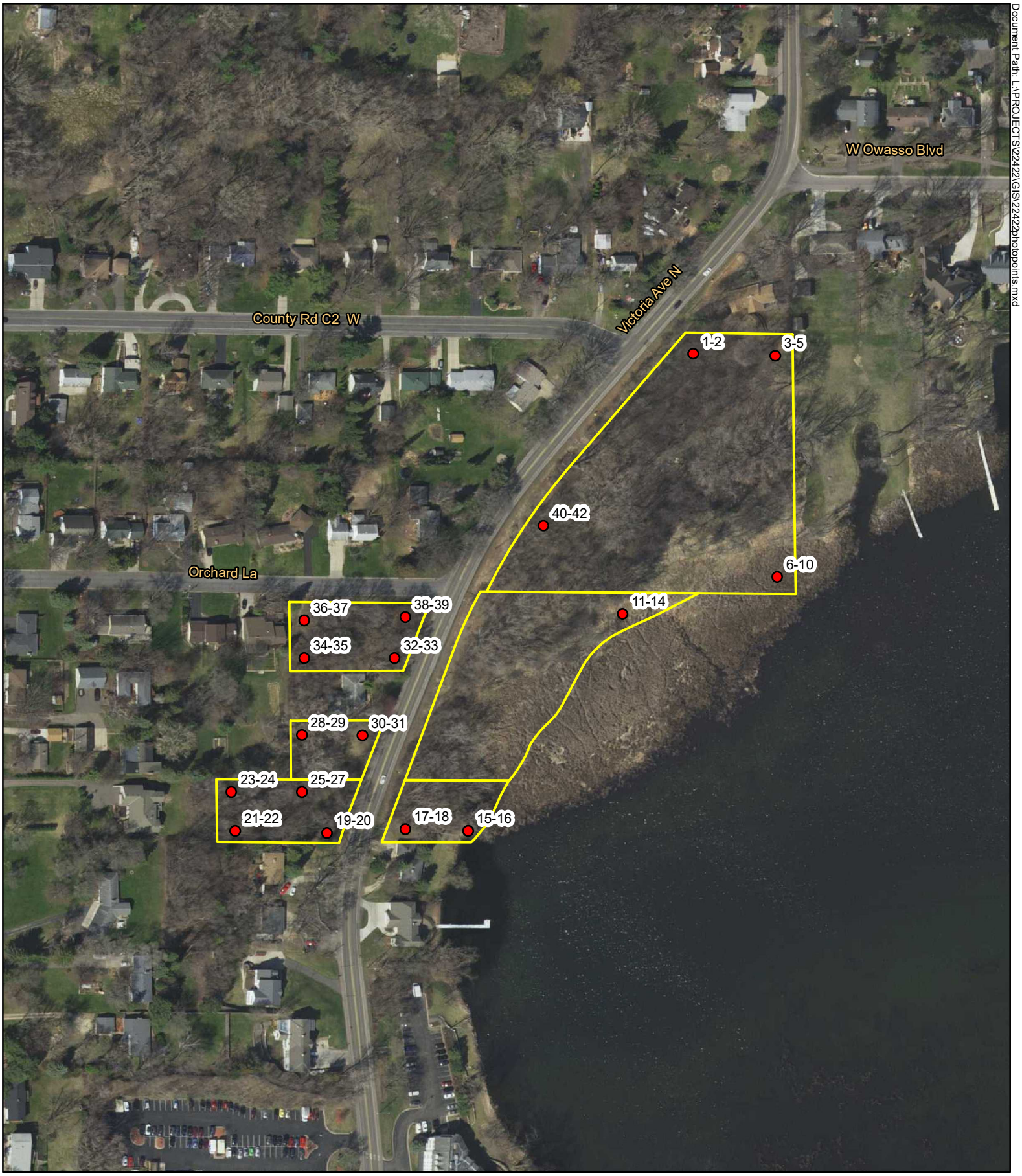
Order No. 21011200268

Quadrangle(s): White Bear,MN

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

APPENDIX E
Site Photographs



Location Map

Lake Owassa Residential Development

Roseville, Minnesota

Legend

- Project Area
- Photo Point

N W E S

0 100 200

Scale in Feet

Date: 01/20/2021

Project Number: 22422

Sambatek

This map was created using Sambatek's Geographic Information Systems (GIS), it is a compilation of information and data from various sources. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Sambatek is not responsible for any inaccuracies contained herein.

Document Path: L:\PROJECTS\22422\GIS\22422photopoints.mxd

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 1

Location of Photo:

Northwest corner of eastern portion of the Project Area (east of Victoria Street North)

Description:

Facing east, looking at the northern portion of the Project Area

REC: No

Photo No. 2

Location of Photo:

Northwest corner of eastern portion of the Project Area (east of Victoria Street North)

Description:

Facing south, looking at the central portion of the Project Area along Victoria Street North.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 3

Location of Photo:

Northeast corner of eastern portion of the Project Area (east of Victoria Street North)

Description:

Facing east, looking at the adjacent property and the lake shore of Lake Owasso near the eastern boundary of the Project Area

REC: No

Photo No. 4

Location of Photo:

Northeast corner of eastern portion of the Project Area (east of Victoria Street North)

Description:

Facing south, looking at the northeastern portion of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 5

Location of Photo:

Northwest corner of eastern portion of the Project Area (east of Victoria Street North)

Description:

Facing west, looking along the northern boundary of the Project Area.

REC: No

Photo No. 6

Location of Photo:

Northern portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing southwest, looking at solar stanchions installed on Project Area

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 7

Location of Photo:

Northern portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing north, looking along the eastern boundary of the Project Area and the adjacent residential properties.

REC: No

Photo No. 8

Location of Photo:

Northern portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing east, looking at the lake shore of Lake Owasso, along the eastern boundary of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 9

Location of Photo:

Northern portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing east, looking at the lake shore of Lake Owasso, along the eastern boundary of the Project Area.

REC: No

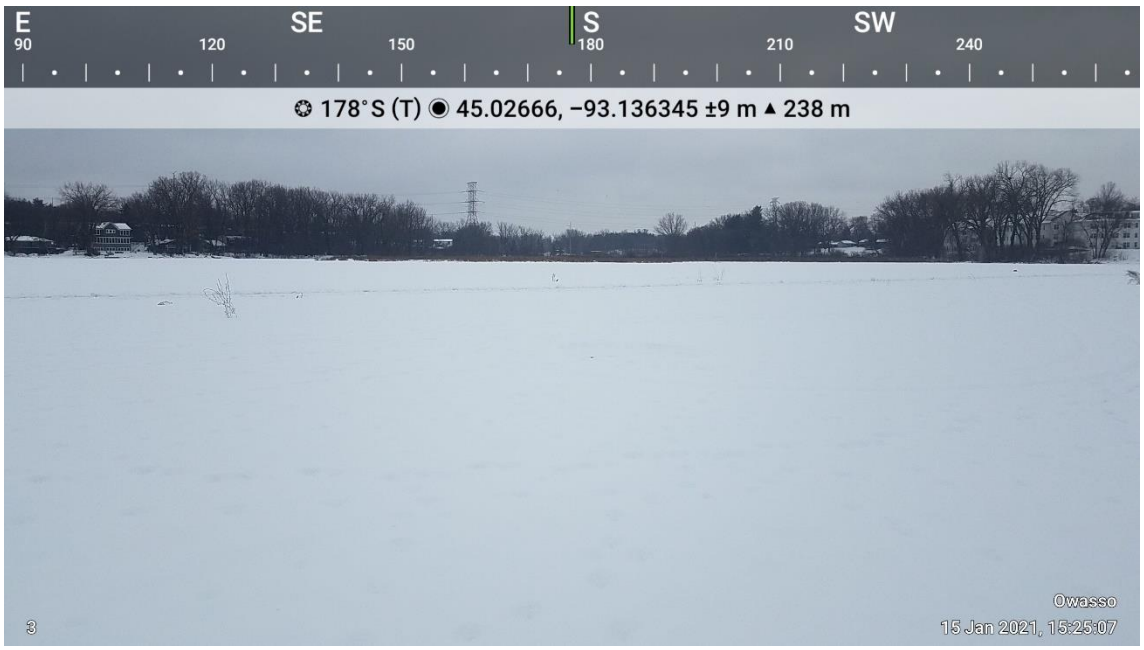


Photo No. 10

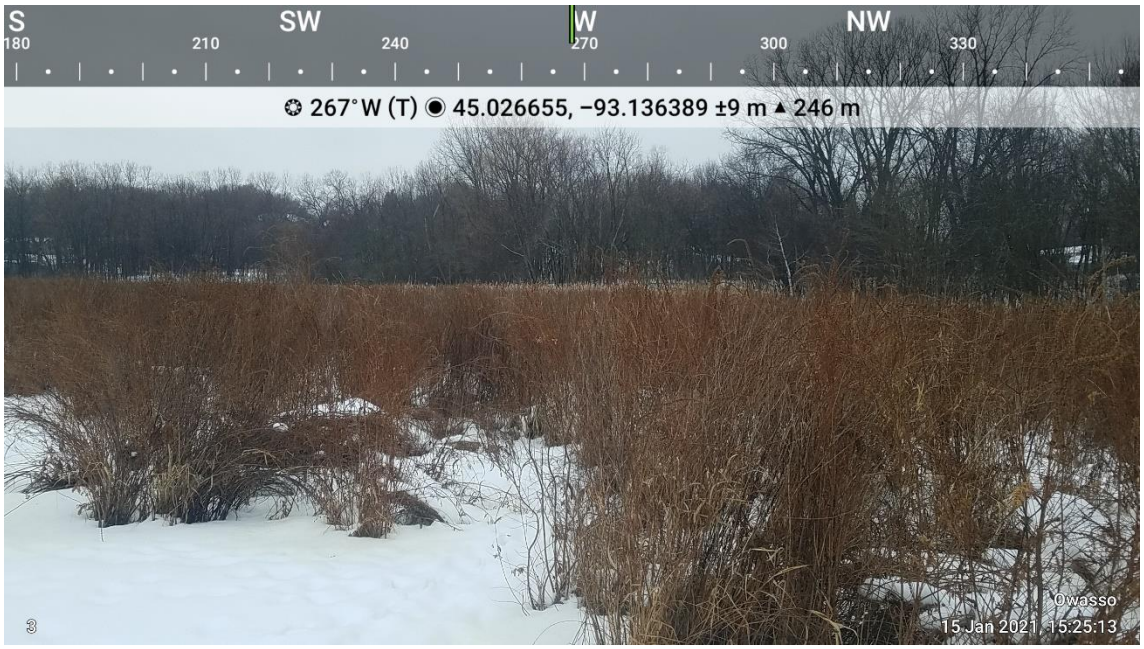
Location of Photo:

Northern portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing southwest, looking at the east-central portion of the Project Area.

REC: No



PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 11

Location of Photo:

Central portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing north, looking at the northeastern portion of the Project Area

REC: No

Photo No. 12

Location of Photo:

Central portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing east, looking at the lakeshore of Lake Owasso, the eastern boundary of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 1**3**

Location of Photo:

Central portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing south, looking at the eastern boundary of the Project Area.

REC: No

Photo No. 14

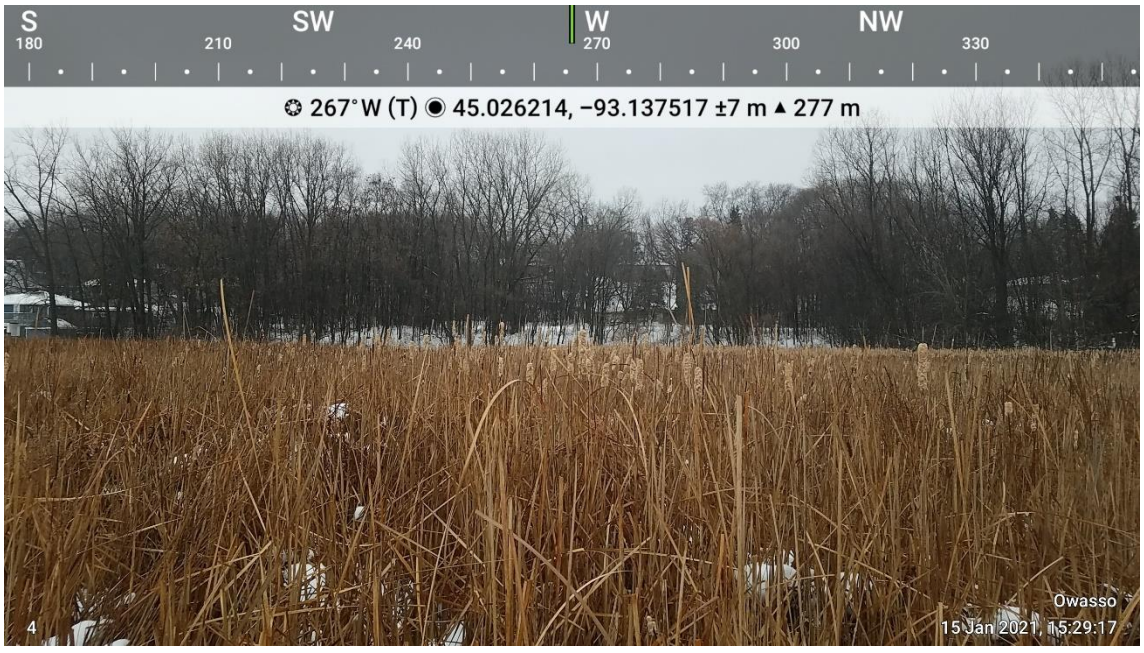
Location of Photo:

Central portion of the eastern boundary of the Project Area (to the east of Victoria Street North)

Description:

Facing west, looking at the east-central portion of the Project Area.

REC: No



PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 1**5**

Location of Photo:

Southeast corner of the Project Area (east of Victoria Street North)

Description:

Facing north, looking at the southeast portion of Project Area.

REC: No

Photo No. **16**

Location of Photo:

Southeast corner of the Project Area (east of Victoria Street North)

Description:

Facing west, looking at the southeast boundary of the Project Area and the adjacent property to the south.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 17

Location of Photo:

Southwest corner of the Project Area (east of Victoria Street North)

Description:

Facing north, looking at Victoria Street North, which splits the two sections of the Project Area.

REC: No

Photo No. 18

Location of Photo:

Southwest corner of the Project Area (east of Victoria Street North)

Description:

Facing east, looking at the southeast portion of the Project Area.

REC: No

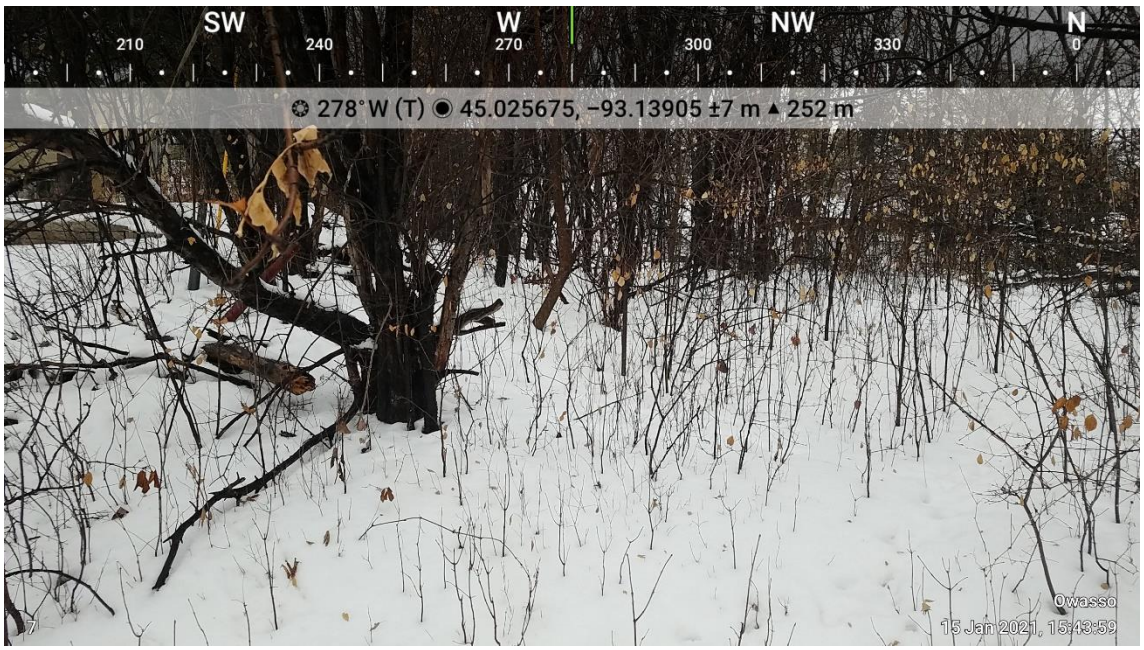
PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 19

Location of Photo:

Southeast corner of the Project Area (west of Victoria Street North)



Description:

Facing west, looking at the southwest portion of the Project Area.

REC: No

Photo No. 20

Location of Photo:

Southeast corner of the Project Area (west of Victoria Street North)

Description:

Facing north, looking at Victoria Street North, which splits the two sections of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 21

Location of Photo:

Southwest corner of the Project Area (west of Victoria Street North)

Description:

Facing north, looking at the southwest portion of the Project Area

REC: No

Photo No. 22

Location of Photo:

Southwest corner of the Project Area (west of Victoria Street North)

Description:

Facing east, looking at the southwest boundary of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 23

Location of Photo:

Southwest boundary of the Project Area (west of Victoria Street North)

Description:

Facing east, looking at the southwest portion of the Project Area.

REC: No

Photo No. 24

Location of Photo:

Southwest boundary of the Project Area (west of Victoria Street North)

Description:

Facing south, looking at the southwest boundary of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 25	
Location of Photo: Southwest boundary of the Project Area (west of Victoria Street North)	
Description: Facing east, looking at the southwest portion of the Project Area. **REC:** No	

Photo No. 26	
Location of Photo: Southwest boundary of the Project Area (west of Victoria Street North)	
Description: Facing south, looking at the southwest portion of the Project Area. **REC:** No	

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 27

Location of Photo:

Southwest boundary of the Project Area (west of Victoria Street North)

Description:

Facing west, looking at along the boundary of the southwestern most parcel of the Project Area.

REC: No

Photo No. 28

Location of Photo:

West-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing east, looking at the western portion of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 29

Location of Photo:

West-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing south, looking at the southwestern portion of the Project Area.

REC: No

Photo No. 30

Location of Photo:

East-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing south, looking at the boundary of the southwest portion of the Project Area, along Victoria Street North.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 31

Location of Photo:

East-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing west, looking at the western portion of the Project Area and the structures on the adjacent property.

REC: No

Photo No. 32

Location of Photo:

East-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing north, looking at the boundary of the western portion of the Project Area, along Victoria Street North.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 33

Location of Photo:

East-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing west, looking at the western portion of the Project Area.

REC: No

Photo No. 34

Location of Photo:

West-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing north, looking at the boundary of the northwest portion of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 35

Location of Photo:

West-central boundary of the Project Area (west of Victoria Street North)

Description:

Facing east, looking at the northwestern portion of the Project Area.

REC: No

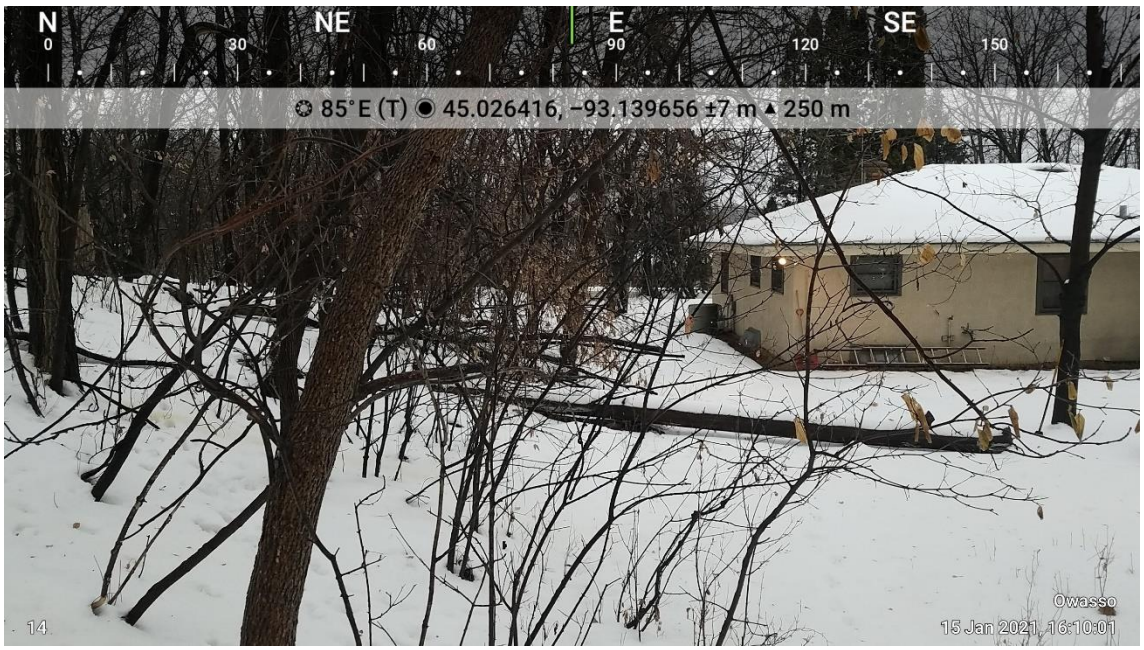


Photo No. 36

Location of Photo:

Northwest corner of the Project Area (west of Victoria Street North)

Description:

Facing east, looking at the boundary of the northwest portion of the Project Area, along Orchard Lane.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 37

Location of Photo:

Northwest corner of the Project Area (west of Victoria Street North)

Description:

Facing south, looking at the northwestern boundary of the Project Area.

REC: No

Photo No. 38

Location of Photo:

Northeast corner of the Project Area (west of Victoria Street North)

Description:

Facing south, looking at the eastern boundary of the western portion of the Project Area, along Victoria Street North, which splits the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 39

Location of Photo:

Northeast corner of the Project Area (west of Victoria Street North)

Description:

Facing west, looking at the boundary of the northwest portion of the Project Area, along Orchard Lane.

REC: No

Photo No. 40

Location of Photo:

Western boundary of the Project Area (east of Victoria Street North)

Description:

Facing east, looking at the northeastern portion of the Project Area.

REC: No

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project ID:
Owasso Lake Residential Development	Ramsey County, MN	22422

Photo No. 41

Location of Photo:

Western boundary of the Project Area (east of Victoria Street North)

Description:

Facing south, looking at the western boundary of the Project Area, along Victoria Street North, which splits the Project Area.

REC: No

Photo No. 42

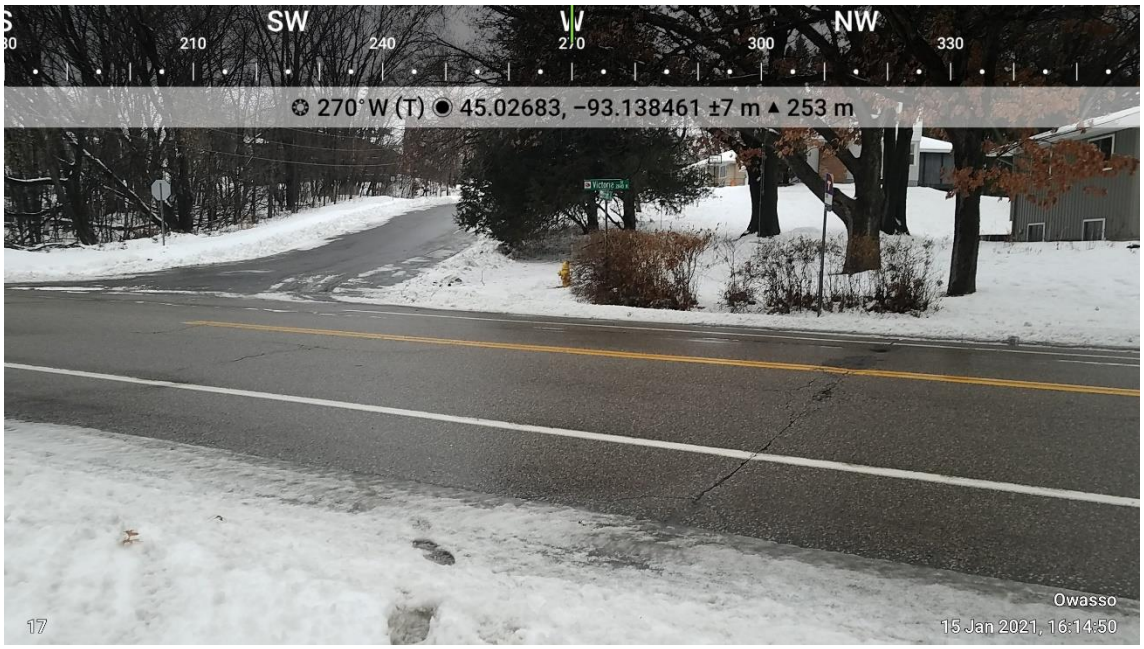
Location of Photo:

Western boundary of the Project Area (east of Victoria Street North)

Description:

Facing west, looking at Victoria Street North, which splits the Project Area.

REC: No



APPENDIX F
City Directory

ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property:	*Owassa Lake - Roseville* *Victoria St N* *Roseville, MN 55113*
Project No:	*22422*
Requested By:	*Sambatek*
Order No:	*21011200268*
Date Completed:	*January 14, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

January 14, 2021
RE: CITY DIRECTORY RESEARCH
Owassa Lake - Roseville
Victoria St N Roseville, MN

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
2700-3000 of Victoria Street North
900-999 of Orchard Lane

Search Results Summary

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2013	DIGITAL BUSINESS DIRECTORY	
2009	DIGITAL BUSINESS DIRECTORY	
2006	COLE	
2000	COLE	
1995-96	COLE	
1990	COLE	
1985	COLE	
1980	COLE	

2018 ORCHARD LANE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND FOR THIS YEAR...

2018 VICTORIA STREET NORTH

SOURCE: DIGITAL BUSINESS DIRECTORY

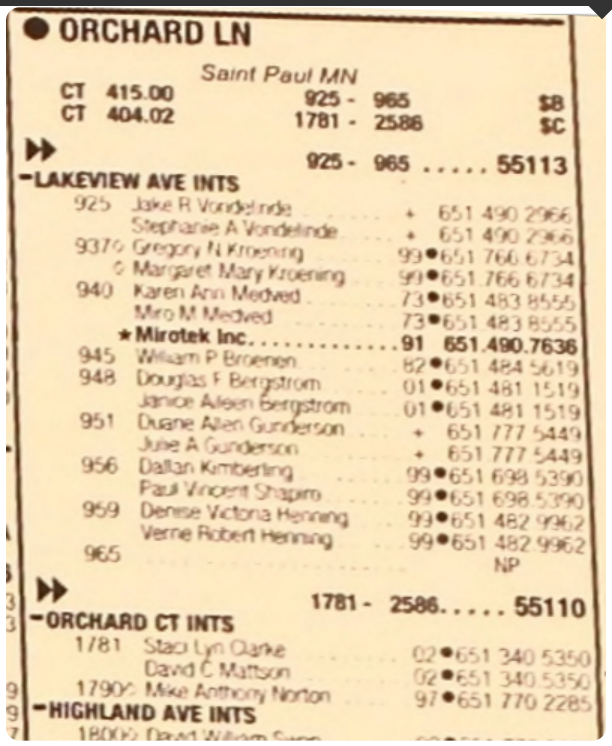
2727 **DAY BREAK LAKE RIDGE ADULT DAY**...*Day Care Centers-adult*
2727 **DAY BREAK LAKE RIDGE ADULT DAY**...*Home Health Service*
2727 **GOLDEN LIVING CTR**...*Exercise & Physical Fitness Programs*
2727 **GOLDEN LIVING CTR**...*Physical Therapists*
2727 **LAKE RIDGE REHAB & SPECIALTY**...*Rehabilitation Services*
2727 **LAKE RIDGE REHAB & SPECIALTY**...*Crisis Intervention Service*
2750 **CARE INSTITUTE INC**...*Associations*
2750 **KEYSTONE COMMUNITIES-ROSEVILLE**...*Housing Authorities*
2750 **KEYSTONE COMMUNITIES-ROSEVILLE**...*Residential Care Homes*
2750 **KEYSTONE SENIOR LIVING**...*Health Services*
2941 **STRAIGHT BLUES BAND**...*Nonclassified Establishments*
2992 **3D INSPECTIONS INC**...*Inspection Service*

940 **GABY OF AMERICA**...*Whol Massage Tools*
940 **MIROTEK INC**...*Import/export*

2727 **DAY BREAK LAKE RIDGE ADULT DAY**...*Day Care Centers-adult*
2727 **DAY BREAK LAKE RIDGE ADULT DAY**...*Services For The Elderly & Disabled*
2727 **DAY BREAK LAKE RIDGE ADULT DAY**...*Day Care Centers-adult*
2727 **GOLDEN LIVING CTR-LAKE RIDGE**...*Health Care Facilities*
2727 **HEALTHEAST MEDICAL**...*Physicians & Surgeons*
2727 **HEALTHEAST MEDICAL**...*Offices Of Physicians Except Mental Health*
2727 **LAKE RIDGE HEALTH CARE CENTER**...*Health Care Facilities*
2727 **LAKE RIDGE HEALTH CARE CTR**...*Nursing Care Facilities*
2727 **LAKERIDGE SPECIALTY CARE CTR**...*Skilled Nursing Care Facility Specialty Hospital*
2750 **ROSEWOOD ESTATE OF ROSEVILLE**...*Retirement Communities & Homes*
2750 **ROSEWOOD ESTATE OF ROSEVILLE**...*Residential Care Homes*
2779 **MATT DEMMA CONSTRUCTION**...*General Contractor*
2941 **WENGER ENTERTAINMENT**...*Whol Auto Parts/supplies*
2992 **3D INSPECTIONS INC**...*Business Services*
2998 **KONOLD CONSTRUCTION**...*Single-family House Construction*

940 **GABY OF AMERICA**...*Whol Massage Tools*
940 **MIROTEK INC**...*Import/export*

2727 **DAY BREAK LAKE RIDGE ADULT DAY**...*Day Care Centers-adult*
2727 **HEALTHEAST MEDICAL**...*Physicians & Surgeons*
2727 **LAKE RIDGE HEALTH CARE CENTER**...*Health Care Facilities*
2727 **LAKERIDGE SPECIALTY CARE CTR**...*Skilled Nursing Care Facility Specialty Hospital*
2750 **ROSEWOOD ESTATE**...*Nursing/personal Care*
2750 **SUNRISE OF ROSEVILLE EAST**...*Residential Care Homes*
2779 **MATT DEMMA CONSTRUCTION**...*General Contractor*
2941 **WENGER ENTERTAINMENT**...*Whol Auto Parts/supplies*
2992 **3D INSPECTIONS INC**...*Business Services*
2998 **KONOLD CONSTRUCTION**...*Single-family House Construction*



ORCHARD LN

Saint Paul MN

CT 415.00 925 - 965 $B
CT 404.02 1781 - 2586 $C

925 - 965 55113

-LAKEVIEW AVE INTS

925 Jake R Vondelinde + 651 490 2966
Stephanie A Vondelinde + 651 490 2966
937◊ Gregory N Kroening 99●651 766 6734
◊ Margaret Mary Kroening 99●651 766 6734
940 Karen Ann Medved 73●651 483 8555
Miro M Medved 73●651 483 8555
★Mirotek Inc. 91 651.490.7636
945 William P Broenen 82●651 484 5619
948 Douglas F Bergstrom 01●651 481 1519
Janice Aileen Bergstrom 01●651 481 1519
951 Duane Allen Gunderson + 651 777 5449
June A Gunderson + 651 777 5449
956 Dallan Kimberling 99●651 698 5390
Paul Vincent Shapiro 99●651 698 5390
959 Denise Victoria Henning 99●651 482 9962
Verne Robert Henning 99●651 482 9962
965 NP

1781 - 2586 55110

-ORCHARD CT INTS

1781 Staci Lyn Clarke 02●651 340 5350
David C Mattson 02●651 340 5350
1790◊ Mike Anthony Norton 97●651 770 2285

-HIGHLAND AVE INTS

-COUNTY ROAD C W INTS

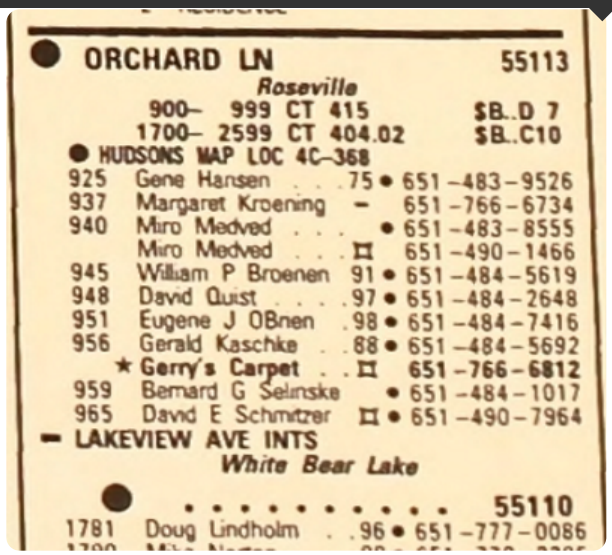
2555 ★♣ Lake Ridge Child Care Center 99 651.765.8865
2561 ★Prince of Peace Lutheran Church 92 651.484.4144
★Tomorrows Kids of Roseville 99 651.490.7959
2642 Floyd F Lecuyer Sr 58●651 484 4329
Mark Richard Lecuyer 58●651 484 4329
2650 James John Schauer 66●651 484 8072
Karen Jean Schauer 66●651 484 8072
2658◊ Donald Cornelius Geurts 02●651 484 5981
◊ Elizabeth Jane Geurts 02●651 484 5981
2666◊ Carol Ann Almendinger 80●651 484 9416
◊ Kimball Lee Almendinger 80●651 484 9416
2674 Lennes Lee Jackson 69●651 483 8959
2680 NP
2686 Chris Mary Malark 73●651 490 2963
David Michael Malark 73●651 490 2963
2692 ★Bernards Av Duplicating.. 98 651.484.2164

-ORCHARD LN INTS

2727
519 Lola Barron 02 NP
★Day Break Lake Ridge Adult Day 04 651.486.2428
★Lake Ridge Rehabilitation Center 77 651.483.5431
★Lakeridge Healthcare Center 99◎ 651.486.2428
A519 Virginia Simonson 03 NP
2743 Apartments
303 ♣Lynn Marie Molitor + NP
2750
♣Gladys Marie Ackerson 03 NP
254 Elizabeth Jane Albrecht 04 NP
223 Ethel Julianna Bergeland 03 NP
310 Kathryn I Blunier 00 NP
337◊ Jeanette Rose Boldt 04 NP
124 Dagmar E Brodt 02 NP
302 Evelyn C Cargill + NP
335 Ruth Eleanor Cheney + NP
305 Harold A Cloud + NP
206 Barbara E Davis + NP
203 Betty A Emerson + NP
220 Evelyn E Ernst 03● NP
220 Paul W Ernst 03● NP
359 Phyllis May Fleming 02 NP
359 Walter Fleming 02 NP
111 Dolores M Gibbons 02 NP
110 Beverley Harder + NP
301◊ Margaret Evelyn Hutcheson 04 NP
257 Marion W Jannett + NP
355 Carl A Johnson + NP
332 Gloria B Kennedy 01 NP

PAGE 1564

	★♣ Lakeridge Healthcare Center	04	651.482.1611	
	Marilyn E Letourneau	+		NP
452	Bd Mahoney	01		NP
126	Frank Joseph Mahoney	01		NP
126	Mary M McArthur	+		NP
119	Margaret H Michalik	03		NP
152	Earl D Montpetit	02	●	NP
323	Lorene Murdock	03		NP
350	♣Norma Nicholson	01		NP
	Lois Ann Olson	03	●	NP
127	William Olson	03	●	NP
127	◊ Joseph Herman Pechmann	03		NP
251	Irene M Philben	04		NP
322	♣ Julie Gail Pitsenbarger	00		NP
	★♣ Rosewood Estates	03	◎ 651.482.1611	
	Kerry L Runchey	94		NP
327	Lavern Marion Shepherd	04		NP
105	◊ Don Henry Simmelink	+		NP
306	◊ Patricia Mary Springborg	04		NP
334	◊ Robert Daniel Springborg	04		NP
334	Bernice Alexandra Sutor	02		NP
211	Herbert Clayton Troyer	+		NP
357	Margaret A Vance	04		NP
151	Fay Emelia Walther	+		NP
328	Lucille S Wiltand	01		NP
307	Barbara Dee Lilly	99	● 651 484 5151	
2775	♣ Wadell Ronald	04	651 486 2762	
2777	Linda Marie Demma	01	● 651 490 1658	
2779	Matt Charles Demma	01	● 651 490 1658	
	★Matt Demma Construction	01		
	★Robert E Kramer Inc	04	651.481.8428	
2790				NP
2791				
	–COUNTY ROAD C2 W INTS			
2800	Henrietta L Meyer	77	● 651 484 2362	
	William Fagot Meyer	77	● 651 484 2362	
2801	Michael Alan Trossen	74	● 651 482 9166	
2825	Lawrence Joseph Ackerman	+	651 488 4890	
2853	Patricia A Harrison	71	● 651 484 1847	
2869	Don Woedkenberg	02	651 765 0353	
2890	David F Hubenette	77	● 651 484 3567	
	Hanne Lilly Hubenette	77	● 651 484 3567	
	★Soc USA	01	651.484.3567	
2895	Don F Larkey	55	●	NP
	–MILLWOOD AVE INTS			
2911				NP
2921	Jeremy David Matts	84	● 651 482 0726	
	Laun O Matts	84	● 651 482 0726	
2926	Rudolf Georg Boukal	79	● 651 483 0246	
	Rudolf Georg Boukal	79	● 651 493 4117	
2934	Anne M Bentley	+	651 457 2551	
2941	Emilie R Wenger	50	● 651 483 8837	
	Eugene Car Wenger	50	● 651 484 2095	
2944	David Lee Stensgaard	95	● 651 482 1859	
2947				NP
2953	Dorothy Rose Doroshenko	76	● 651 484 0271	
	Oleh O Doroshenko	76	● 651 484 6503	
2954	◊ Florence Evelyn Glinnon	00	● 651 765 8313	
	◊ Kathryn G Waller	00	● 651 765 8313	
2962	Fabian Sabastion Palacio	79	● 651 484 3409	
	Mary L Palacio	79	● 651 484 3409	
2963	◊ Mark A Sorensen	78	●	NP
2970	Donald Paul Kowarsch	+	651 774 4922	
	Maureen Windisch	+	651 774 4922	
2971	Jamie L Jolly	81	● 651 490 9170	
	Patrick W Jolly	81	● 651 490 9170	
2976	Darlene Louise Gish	84	● 651 481 1052	
	Annette Jean Scott	84	● 651 481 1052	
2981	Ernest Lewis Figg	90	● 651 787 0688	
	Lorraine Jean Figg	90	● 651 787 0688	
2984				NP
2989	Jane M Apman	84	● 651 484 7256	
	Richard J Apman	84	● 651 484 7256	
2992	Kimberly Anne Logan	91	● 651 486 0985	
	Steven Anthony Logan	91	● 651 486 8355	
	★3D Inspections Inc	03	651.486.0985	
2998	Daniel James Konold	76	● 651 484 7521	
	James Alois Konold	76	● 651 484 7521	
	★Konold Construction	98	651.484.7521	
3006	Jackie Sharon Lewis	91	●	NP
	Richard P Lewis	91	●	NP
3007	Deborah Eileen Bastyr	03	●	NP
	Shawn P Hartmann	03	●	NP
3009	Karen A Gastecki	90	● 651 483 1099	
	Richard James Gastecki	90	● 651 483 1099	
3010	◊ Mike T Fernin	02	● 651 486 9449	
	◊ Stephanie M Fernin	02	● 651 486 9449	
3013	Roger O Schubring	93	● 651 481 3936	
3020				NP
3023	★♣ Territorial Protective	+		
3026	Douglas Joseph Morris	81	● 651 484 2681	



ORCHARD LN 55113

Roseville

900– 999 CT 415 $B..D 7

1700– 2599 CT 404.02 $B..C10

● HUDSONS MAP LOC 4C–368

925	Gene Hansen	75	●	651-483-9526
937	Margaret Kroening	–		651-766-6734
940	Miro Medved		●	651-483-8555
	Miro Medved		⌑	651-490-1466
945	William P Broenen	91	●	651-484-5619
948	David Quist	97	●	651-484-2648
951	Eugene J OBrien	98	●	651-484-7416
956	Gerald Kaschke	88	●	651-484-5692
	★ Gerry's Carpet		⌑	651-766-6812
959	Bernard G Selinske		●	651-484-1017
965	David E Schmitzer		⌑ ●	651-490-7964

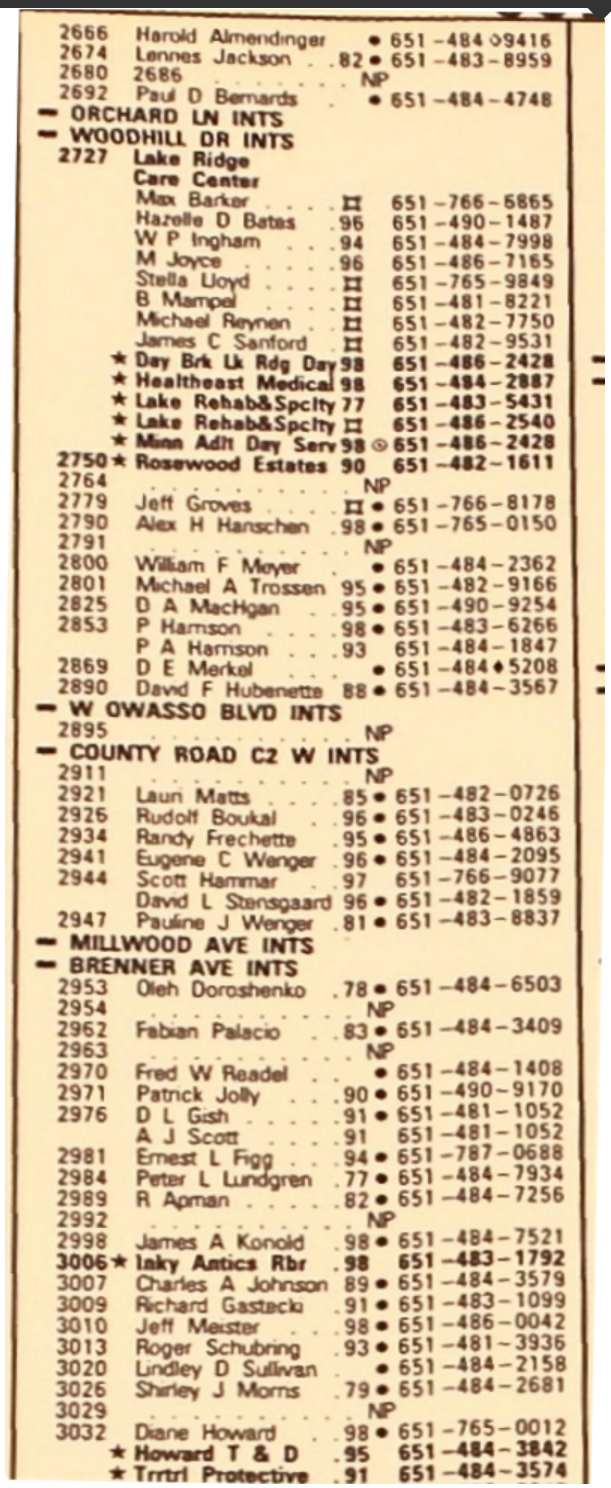
– LAKEVIEW AVE INTS

White Bear Lake

● 55110

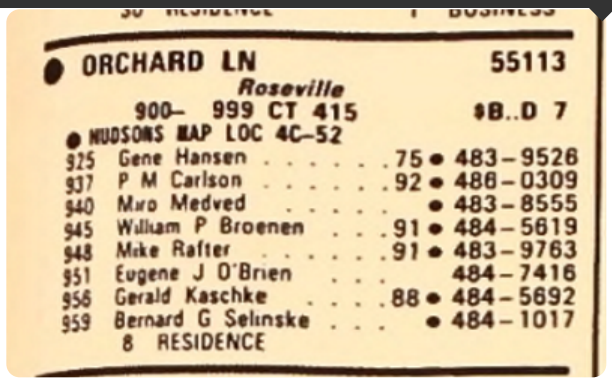
1781	Doug Lindholm	96	●	651-777-0086

2000 — *SOURCE: COLE* — **VICTORIA STREET NORTH**



2666 Harold Almendinger • 651-484-9416
2674 Lennes Jackson .82 • 651-483-8959
2680 2686 NP
2692 Paul D Bernards • 651-484-4748
— ORCHARD LN INTS
— WOODHILL DR INTS
2727 Lake Ridge Care Center
Max Barker H 651-766-6865
Hazelle D Bates .96 651-490-1487
W P Ingham .94 651-484-7998
M Joyce .96 651-486-7165
Stella Lloyd H 651-765-9849
B Mampel H 651-481-8221
Michael Reynen H 651-482-7750
James C Sanford H 651-482-9531
★ Day Brk Lk Rdg Day 98 651-486-2428
★ Healtheast Medical 98 651-484-2887
★ Lake Rehab&Spclty 77 651-483-5431
★ Lake Rehab&Spclty H 651-486-2540
★ Minn Adlt Day Serv 98 651-486-2428
2750 ★ Rosewood Estates 90 651-482-1611
2764 NP
2779 Jeff Groves H • 651-766-8178
2790 Alex H Hanschen .98 • 651-765-0150
2791 NP
2800 William F Meyer • 651-484-2362
2801 Michael A Trossen 95 • 651-482-9166
2825 D A MacHgan .95 • 651-490-9254
2853 P Harrison .98 • 651-483-6266
P A Harrison .93 651-484-1847
2869 D E Merkel • 651-484-5208
2890 David F Hubenette 88 • 651-484-3567
— W OWASSO BLVD INTS
2895 NP
— COUNTY ROAD C2 W INTS
2911 NP
2921 Laun Matts .85 • 651-482-0726
2926 Rudolf Boukal .96 • 651-483-0246
2934 Randy Frechette .95 • 651-486-4863
2941 Eugene C Wenger .96 • 651-484-2095
2944 Scott Hammar .97 651-766-9077
David L Stensgaard 96 • 651-482-1859
2947 Pauline J Wenger .81 • 651-483-8837
— MILLWOOD AVE INTS
— BRENNER AVE INTS
2953 Oleh Doroshenko .78 • 651-484-6503
2954 NP
2962 Fabian Palacio .83 • 651-484-3409
2963 NP
2970 Fred W Readel • 651-484-1408
2971 Patrick Jolly .90 • 651-490-9170
2976 D L Gish .91 • 651-481-1052
A J Scott .91 651-481-1052
2981 Ernest L Figg .94 • 651-787-0688
2984 Peter L Lundgren .77 • 651-484-7934
2989 R Apman .82 • 651-484-7256
2992 NP
2998 James A Konold .98 • 651-484-7521
3006 ★ Inky Antics Rbr .98 651-483-1792
3007 Charles A Johnson 89 • 651-484-3579
3009 Richard Gastecki .91 • 651-483-1099
3010 Jeff Meister .98 • 651-486-0042
3013 Roger Schubring .93 • 651-481-3936
3020 Lindley D Sullivan • 651-484-2158
3026 Shirley J Morris .79 • 651-484-2681
3029 NP
3032 Diane Howard .98 • 651-765-0012
★ Howard T & D .95 651-484-3842
★ Trrtrl Protective .91 651-484-3574

1995-96 — *SOURCE: COLE* — **ORCHARD LANE**



• ORCHARD LN 55113
Roseville
900– 999 CT 415 $B..D 7
• HUDSONS MAP LOC 4C–52
925 Gene Hansen .75 • 483-9526
937 P M Carlson .92 • 486-0309
940 Miro Medved • 483-8555
945 William P Broenen .91 • 484-5619
948 Mike Rafter .91 • 483-9763
951 Eugene J O'Brien 484-7416
956 Gerald Kaschke .88 • 484-5692
959 Bernard G Selinske • 484-1017
8 RESIDENCE

2642	Floyd F Lecuyer		●	484-4329
2650	James J Schauer		●	484-8072
2658	Aine Dechaine	88	●	481-9338
	Jeanne Katz	88	●	481-9338
2668	Mrs H Almendinger			484-9416
2674	Lennes Jackson	82		483-8959
2680		NP		
2686	David M Malark	⌑		486-7064
2692	Paul D Bernards		●	484-4748
2727	**Lake Ridge Health Care Center**			
	Jon Bordenave	⌑		483-4406
816A	Margie Chukel	■		483-2109
525A	Ann Coppersmith	■		486-2770
516	M L Davis	■		787-0887
417A	M Diberardini	■		490-9925
814A	Betty Greeninger	■		486-6209
816A	Lois Healy	■		483-3689
	G Hebl	⌑		483-5986
515	G Hendrickson	■		486-9322
523B	John Hubert	■		486-7058
	W P Ingham	⌑		484-7998
516A	Ruth E Janecek	■		483-5611
	Richard Kasmirski	91		484-8647
	Marie S Koeper	93		490-7626
	R L Kristal	90		481-4998
410B	Lorraine Lee	■		481-1724
	Maurice Moe	⌑		481-0277
312B	Curtis Palmer	■		484-7551
	Esther M Patterson	90		483-8935
812-A	Shiley Petter	■		483-4503
412B	Zoe L Pothen	■		484-1826
	M J Roberts	93		490-7613
	Orville Rohleder	⌑		486-8339
	Howard Schuldt	⌑		486-7367
	Mary M Schweiger	92		490-5846
817A	L F Strobel	73		484-2995
	Genevieve Waldera	82		482-1842
	Elsie Wildung	88		481-7224
	★ **Lk Ridge Hlth Care**	77		483-5431
2750	**Building**			
119	★ **Alice S French**	90		482-1611
119	★ **Miretta Haigh**	⌑	⊙	482-1611
119	★ **L J Melrose**	91	⊙	482-1611
119	★ **Rosewood Estates**	90	⊙	482-1611
2764		NP	●	
2790	David Oren	93	●	486-0386

2791	Jerold Blair	⌑	●	486-7797
2800	William F Meyer		●	484-2362
2801	Michael A Trossen	■		482-9166
2825	D A MacHgan	■		490-9254
2853	P A Harrison	93	●	484-1847
2869	D E Merkel		●	484-5208
2890	David F Hubenette	88	●	484-3587
2895	Henry J Larkey		●	484-1452
2911		NP		
2921	Lauri Matts	85	●	482-0726
2926	Cecilio Olivier	93	●	490-9485
	Inmaculada Soria	93		490-9485
2934		NP		
2941	Eugene Carl Wenger	80	●	484-2095
2944	Dennis Olson	⌑	●	483-4530
2947	Pauline J Wenger	81		483-8837
2953	Oleh Doroshenko	78		484-6503
2954	Dave Bauman	88	●	484-4906
2962	Fabian L Palacio	83		484-3409
2963	Mark A Sorensen	78	●	484-0836
2970	Fred W Readel		●	484-1408
2971	Patrick Jolly	90	●	490-9170
2976	**Apartments**			
117	D L Gish	91	●	481-1052
117	A J Scott	91		481-1052
2981	Ernest L Figg	⌑	●	787-0688
2984	Peter L Lundgren	77		484-7934
2989	R Apman	82	●	484-7256
2992		NP		
2998	James A Konold		●	484-7521
3006		NP		
3007	Charles A Johnson	89	●	484-3579
3009	Richard Gastecki	91	●	483-1099
3010	Ken Wallisch	92	●	486-8106
3013	Roger Schubring	93	●	481-3936
3020	Lindley D Sullivan			484-2158
3026	Shirley J Morris	79		484-2681
3029	Thomas R Crum		●	484-0438
3032	★ **T&D Howard**	91		484-3574
	★ **Territrl Prtctv Ag**	84	⊙	484-3574
3033	L Donovan	90		483-1371
	J L Odden	88		484-0304
	★ **Harold Odden**			483-2044
	★ **Odden&Sunde Acct**	82	⊙	483-2044
3038	Richard A Carrier		●	484-1565

16 RESIDENCE 1 BUSINESS

ORCHARD LN 55113

Roseville

900– 999 CT 415 $B..D 7

HUDSONS BAP LOC 4C–19

925	Gene Hansen	.75	483–9526
937	James Malecha Jr	.85	484–9454
940	Miro Medved		483–8555
945	William P Broenen		484–5619
948	Edward J Carney	.79	483–5647
951	Eugene J OBrien		484–7416
956	Gerald Kaschke	.88	484–5692
959	Bernard G Selinske		484–1017

8 RESIDENCE

2666	Mrs H Almendinger		484–9416
2674	Lennes Jackson	.82	483–8959
2680	2686	NP	
2692	Paul D Bernards		484–4748
2727	★Lake Ridge Health		
	★Care Center		
	William O Anderson	.86	484–4126
	D M Bird	.86	481–1005
	Robert Cross	¤	482–7601
	G Ferrian	.88	484–4520
	Reggie Fraser	.88	484–0932
	B V Gibson	–	483–6038
	B L Hemel	.88	481–9660
	I E Hendrickson	¤	490–1267
	Doris Hommes	.74	484–8955
	Richard Kasmirski	.88	481–7087
	K M Kaupp	.88	482–8064
	Eugene F Krause	.88	482–0174
	George E Krider	–	490–1861
	★Lk Ridge Hlth Care	.77	483–5431
	Carol J Larsen	¤	482–0827
	Elva Lovell	.84	482–8328
	E E McNamara	.86	481–8519
	Rudolph F Meyer	¤	483–6773
	Clara K Morris	¤	484–0127
	Emma Olsen	.88	483–0414
	I J Pilmoor	–	481–7233
	Bernice K Reed	–	483–2052
	Gladys Sample	.88	483–4122
	Walt Sirene	.88	481–7238
	F N Smith	¤	481–1292
	Ella Strauch	.88	483–5421
	Carl C Veiman	–	490–3306
	Genevieve Waldera	.82	482–1842
	Irene Walstrom	.88	483–6105
	Elsie Wildung	.88	481–7224
	Elfreide Williams	¤	490–1877
	Cecilia Wolfe	.88	482–9065
117B	A Prazak	■	484–9293
121A	C Melcher	■	484–2568
217	M Lesky	■	481–6913
222B	T Burgess	.85	484–6193
414	H Neslond	■	484–8020
519A	J Halbach	■	483–6276
522B	M Sime	■	484–9094
626A	K Stubbs	■	481–0173
711A	R Kristal	■	481–4998
811A	M Modin	■	490–1082
814A	E Durling	■	483–6161
814B	B Racine	■	481–3141
817A	L F Strobel	.73	484–2995
921B	L Hinderman	■	482–0387
922	H Holmes	■	483–6698
925B	H Lusikka	■	482–0299
932	H Fredricksen	■	481–3115
936B	M Mazie	■	484–5864
938A	E MacKenzie	■	481–3139
2764	Robert Slater	.88	481–9722
2774	E E Bullick	.74	483–6407
	★Lake Owasso Marine	.84	482–7710
2791	Barry Kyllo	.87	483–9026

1990 — VICTORIA STREET NORTH - B

SOURCE: COLE

2800	William F Meyer		484-2362
2801	Maurice Merabella	.74	483-5285
2825	Roy A Erwin	.79	483-0748
2853	Jean Kahilainen	.87	481-0752
2869	Don E Merkel		484-5208
	Don E Merkel		484-9569
2890	David F Hubenette	.88	484-3587
2895	Henry J Larkey		484-1452
2911		NP	
2921	Lauri Matts	.85	482-0726
2934	Gary E Hermes	.79	484-5314
2941	Eugene Carl Wenger	.80	484-2095
2944		NP	
2947	Carl Wenger	.81	483-8837
2953	Oleh Doroshenko	.78	484-6503
2954	Dave Bauman	.88	484-4906
2962	Fabian Palacio	.83	484-3409
2963	Mark A Sorensen	.78	484-0836
2970	Fred W Readel		484-1408
2971	Simon Gruber	.81	482-8605
2976	J Pinola	.87	483-3627
2981 ★	**Ernest L Figg**		**484-1329**
★	**Figg Masonry**	**.83** ○	**484-1329**
2984	Peter L Lundgren	.77	484-7934
	Robert A Lundgren	⌑	484-6306
2989	Richard Apman	.82	484-7256
2992	J Parker	■	484-8799
2998	James A Konold		484-7521
3006	Carol Morben	.88	482-0855
	William Zerfas	.88	482-0855
3007	Charles A Johnson	–	484-3579
3010	Dean Larson	⌑	481-1554
3013		NP	
3020	Lindley D Sullivan		484-2158
3026	Shirley J Morris	.79	484-2681
3029	Thomas R Crum		484-0438
3032	T Howard	.80	484-3574
★	**Territrl Prtctv Ag**	**.84**	**484-3574**
3033 ★	**Harold Odden**		**483-2044**
	J L Odden	.88	484-0304
★	**Odden&Sunde Acct**	**.82** ○	**483-2044**
	L Sunde	.84	483-1371
3038	Richard A Carrier		484-1565
3045	Raymond Borgstrom	.76	483-4709

1985 — ORCHARD LANE

SOURCE: COLE

● ORCHARD LN 55113

Roseville

900- 999 TZ 415 $B..D 7

051640

925	Gene Hansen	.75	483-9526
937	Kenneth M Steger		484-8769
940	Mro Medved		483-8555
945	William P Broenen		484-5619
948	Edward J Carney	.79	483-5647
951	Eugene J OBrien		484-7416
956	Earl R Dawson	.74	484-6790
959	Bernard G Selinske		484-1017
	8 RESIDENCE		

2656	William C Peterson	83	484-9416
2666	Mrs H Almendinger		483-8959
2674	Lennes Jackson	82	
2680		NP	
2686	John Daltas		484-5134
2692	Paul D Bernards		484-4748
2727	Gertrude M Bantz	82	484-0692
	Mable E Berry	83	481-1552
	Evelyn Brudvig	¤	482-1873
	G Carpenter	81	481-1039
	Mary E Fitzgerald	83	483-8727
	Mrs Alfred Frank	¤	483-0159
	Mrs Geo J Gilmore	71	484-4580
	L E Groskreutz	82	484-2831
	Gertrude Gutknecht	80	484-0795
	Julia Hannasch	¤	482-1114
	Olaf A Hanson	79	482-9841
	Doris Hommes	74	484-8955

2727	M H Kampa	78	483-9169
	M M Keller	82	483-1037
	★Lk Ridge Hlth Care		483-5431
	V H Larson	¤	483-6592
	Alma C Leines	79	482-9855
	Elva Lovell	¤	482-8328
	Grace L Magee	¤	483-9540
	N J McCool	80	482-8013
	John J McKasy	81	484-3994
	Bernadine McKenzie	¤	482-9451
	William L McMenomy	¤	481-9774
	John H Niles	83	484-9500
	Anna OBrien	79	484-7551
	Ethel Olson	83	481-1118
	E M Pinckney	¤	481-9161
	Ann Santarsiero	82	484-9404
	Violet B Shafer	83	482-1520
	Mrs Norma Shear	79	482-9806
	★Arthur Shuster Inc		483-5406
	L F Strobel	73	484-2995
	Genevieve Waldera	82	482-1842
	G Watkins	¤	481-9234
	A Ziolkowski	¤	484-2676
2750	★Graphical Designs		483-9876
	★Shuster A Desgn		483-0196
2764	Mike P Kaufmann	-	482-1196
2774	E E Bullick	74	483-6407
	V L Holloway	¤	481-9249
	★Lake Owasso Marine	¤	482-7710
2791	E J Lender	¤	483-0937
	K A Valiulis	¤	483-0937
2800	William F Meyer		484-2362
2801	Maurice Merabella	74	483-5285
2825	Roy A Erwin	79	483-0748
2853	Bernard A Krenner	72	484-9288
2869	Don E Merkel		484-5208
	Don E Merkel		484-9569
2890	Albert W Bies	80	484-3605
2895	Henry J Larkey		484-1452
2911	Sterling Polyak	77	484-1144
2921	Kerry D Hofeld	79	483-8573
2934	Gary E Hermes	79	484-5314
2941	Eugene Carl Wenger	80	484-2095
2944	George Neid	-	482-9213
2947	Carl Wenger	81	483-8837
2953	Oleh Doroshenko	78	484-6503
2954	Gary W Anderson	82	484-0275
2962	Fabian Palacio	83	484-3409
2963	Mark A Sorensen	78	484-0836
2970	Fred W Readel		484-1408
2971	Simon Gruber	81	482-8605
2976	J Berndtson	¤	484-4791
2981	Ernest L Figg		484-1329
	★Figg Masonry		484-1329
2984	Peter L Lundgren	77	484-7934
2989	Richard Apman	82	484-7256
2992	K L Doty	81	483-6887
2998	James A Konold		484-7521
3006	Clinton W Smith		484-8009
3007	Harold J Gagne		484-2128
3010	Clifford L Larson		484-6883
3013	James T Patterson		484-1116
3020	Lindley D Sullivan		484-2158
3026	Douglas J Morris	79	484-2681
3029	Thomas R Crum		484-0438
3032	T Howard	80	484-3574
	★Territrl Prtctv Ag	¤	484-3574
3033	Harold Odden		483-2044
	★Odden&Sunde Acct		483-2044
	L Sunde	¤	483-1371
3038	Richard A Carner		484-1565
3045	Raymond Borgstrom	76	483-4709

31 Residence 2 Business

ORCHARD LN 55113
900- 999 TZ 415 $A..N 4
045790

925	Gene Hansen 5	483-6095
937	Kenneth M Steger 1	484-8769
940	Miro Medved	483-8555
945	William P Broenen	484-5619
948	Edward J Carney .....-	483-5647
951	Eugene J OBrien	484-7416
	Mrs Eug J OBrien	484-7416
956	Earl R Dawson 4	484-6790
959	Bernard G Selinske	484-1017

9 Residence

ORCHARD LN 55075

2658	Mike Dietsch .....¤	483-1662
2666	Harold Almendinger	484-9416
2674	W N Jackson	484-0505
2686	John Daltas	484-5134
2692	Paul D Bernard	484-4748
2727	Mabel Amacher .....¤	482-8092
	Edna Balthazor 6	483-1757
	E Berntsen 1	483-2182
	John F Brill .....-	482-1666
	Charles G Buzicky 1	483-2349
	Mrs C Capaul 7	483-0961
	Ruth L Coady 4	483-3590
	M F Crotty 4	483-6131
	Mrs Edw Desterhoff .....¤	482-8364
	R E English 6	483-3723
	M E Frye 6	483-8728
	C E Gausman 8	484-5257
	Mrs Geo J Gilmore 7	484-4580
	Mrs Eliz Gormley 2	483-2865
	Marie A Gustafson 4	483-5274
	Gert E Guthnecht .....¤	482-8087
	Clara E Hansen 7	483-8708
	Olaf A Hanson .....-	482-9841
	Mrs Mary Hauer 8	484-0964
	Everett Henselman .....¤	483-9846
	Robert T Hessler	484-6662
	Bessie Hillestad .....¤	482-1463
	E D Holdaway 6	484-9116
	August Hommes 4	484-6955
	W R Hopkins 6	483-8791
	H Jefferson 7	483-0563
	R L Jolliff 6	483-1122
	M H Kampa 8	483-9169
	H M Klein 8	482-9241
	A E Knowlan .....-	482-1352
	H M Kohl 8	423-1732
	Mrs M J Koleski 8	484-2182
	J R Kommerstad 3	484-5479
	★Lk Ridge Hlth Cntr	483-5431
	Mrs Alberta Landis 7	484-0137
	Alma C Lenes .....¤	482-9855
	O C Manderfeld 7	483-1372
	Catherine A Moga 4	483-6201
	H G Montgomery 7	483-8606
	William A Mueller .....¤	482-1469
	Minnie Mykleby 8	482-9382
	Anna OBrien .....¤	484-7551
	Hugo Olson .....-	482-8316
	F Peluso	484-0135

2727	S A Piers 8	483-4062
	H Pomplun 7	483-1046
	Helen Rollwagen .....¤	483-9597
	Yorgina Rustad 5	483-6532
	Mrs M Sandbakken	483-2749
	Adelaide Seaholm .....¤	482-8447
	Mrs Norma Shear .....-	482-9806
	★**Arthur Shuster Inc**	**483-5406**
	Maude Street 3	483-2149
	L F Strobel 3	484-2995
	L C Swagler 8	483-8940
	L Syring .....¤	483-9507
	Mrs L Thomas 4	483-4693
	Sophia Walsh 3	483-5655
	Frieda Walstrom .....¤	482-9584
	Elizabeth Wohletz .....¤	483-5320
	Vernie Wolfsberg .....¤	482-1556
	Marie A Wright .....-	482-8478
	A Ziolkowski .....¤	484-7162
2750	★**A Shuster Design**	**483-0196**
2764	David D Bretz	484-1182
2774	E E Bullick 4	483-6407
	C M Houle 7	483-0814
2791	Richard G Nugent 7	484-6199
2800	William F Meyer	484-2362
2801	Maurice Merabella 4	483-5285
2825	Roy A Erwin .....-	483-0748
2853	Bernard A Krenner 2	484-9288
2869	Don E Merkel	484-5208
	Don E Merkel	484-9569
2895	Henry J Larkey	484-1452
2911	Sterling Polyak 7	484-1144
2921	Kerry D Hofeld .....-	483-8573
2934	Gary E Hermes .....¤	484-5314
2941	Carl E Wenger	484-2095
2944	James Bullert 7	484-9637
2953	Oleh Doroshenko 8	484-6503
2954	B J Anderson .....¤	484-0188
2962	Donald A Krengel	484-3409
2963	Mark A Sorensen 8	484-0836
2970	Fred W Readel	484-1408
2971	Torstein L Grove	484-2361
2976	Lawrence McCann	484-1432
2981	Ernest L Figg	484-1329
2984	Peter L Lundgren 7	484-7934
2989	A E Swanberg	484-1444
2992	M L Brunoehler .....-	483-8934
2998	James A Konold 0	484-7521
3006	Clinton W Smith	484-8009
3007	Harold J Gagne	484-2128
3010	Clifford L Larson	484-6883
	Roger C Larson .....¤	482-8185
3013	James T Patterson	484-1116
3016	Douglas J Morris .....¤	484-2681
3020	Lindley D Sullivan	484-2158
3029	Thomas R Crum	484-6113
	★**Rosevi Racket Rest**	**484-6113**
3033	Harold Odden 1	483-2044
	★**Shaklee Corp** .....¤	**483-2044**
	Leif Sunde 8	483-6034
3038	Richard A Carrier	484-1565
3045	Raymond Borgstrom 6	483-4709
3055	Curtis C Crawford 8	483-5387

--- END REPORT ---