THE CITY OF LAKE ELMO

STAFF REPORT

DATE: 8/8/2018
REGULAR
ITEM #: 12
MOTION

TO: City Council

FROM: Rob Weldon, Public Works Director

AGENDA ITEM: Public Hearing and Approval of Wellhead Protection Plan Part 2

REVIEWED BY: Chad Isakson, Assistant City Engineer
Kristina Handt, City Administrator

BACKGROUND: As required by the State of Minnesota, every 10 years the city must complete a Wellhead Protection Plan. Part One of the WHPP was completed and approved by the Department of health in 2017. That portion included delineation of Wellhead Protection Areas (WHPAs) and the Drinking Water Supply Management Areas (DWSMAs). Part 2 of the WHPP focuses on the areas within the DWSMA and WHPA to identify possible areas and routes of contamination. Items such as existing/abandoned wells, above/below ground storage tanks are located identified and mapped in the second portion of the plan.

ISSUE BEFORE COUNCIL: Should the City Council approve Part 2 of the Wellhead Protection Plan?

PROPOSAL DETAILS/ANALYSIS: Over the past year, Public Works and Engineering have worked closely with Minnesota Rural Water, Minnesota Department of Health and Bayerl Water Resources to develop Part 2 of the Well Head Protection Plan.

In doing so, several items were discussed, developed and added to the new plan. Those topics include; Data Elements & Assessment, Changes of Public Water Supply Well, Problems and Opportunities, Wellhead Protection Goals, Objectives and Plans of Action, Evaluation Program and Contingency Strategy.

The overall goal of the WHPP is to protect the public water supply from contamination due to safety and land use activities. Upon City Council approval, Part 2 of the Wellhead Protection Plan will be submitted to the State of Minnesota for final approval.

OPTIONS:

- Approve Part 2 of the Wellhead Protection Plan
- Deny approval of Part 2 of the Wellhead Protection Plan

RECOMMENDATION:

"Motion to approve Part 2 of the Wellhead Protection Plan"

WELLHEAD PROTECTION PLAN AMENDMENT - PART II

This Plan is in effect from November 2018 through November 2028



POTENTIAL CONTAMINANT SOURCE MANAGEMENT STRATEGY

THE CITY OF LAKE ELMO

MN RURAL WATER ASSOCIATION

BAYERL WATER RESOURCES

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APPENDIX - Referenced Data for Part 2

I – WHPA and DWSMA Delineations and Vulnerability Assessments

II – Part One and Part Two WHPP Scoping Documents

III – DWSMA and PCSI Parcel List

IV – Inner Well Management Zone (IWMZ)

V – Old Municipal Well Report

VI – DNR Water Conservation and Emergency Plan Approval Letter

VII – Public Utilities and Transportation Map

VIII – Glossary of Terms and Acronyms

IX – Implementation Schedule

X – LGU Comments

DOCUMENTATION LIST

STEP	DATE PERFORMED
Scoping Meeting 2 Held (4720.5340, subp. 1)	April 20, 2017
Scoping 2 Letter Received (4720.5340, subp. 2)	May 5, 2017
Remaining Portion of Plan Submitted to Local Units of Government (LGUs) (4720.5350)	May 7, 2018
Review Received From Local Units of Government (4720.5350, subp. 2)	July 9, 2018
Review Comments Considered (4720.5350, subp. 3)	July 11, 2018
Public Hearing Conducted (4720.5350, subp.4)	July 17, 2018
Remaining Portion WHP Plan Submitted (4720.5360, subp. 1)	July 2018
Final WHP Plan Review Received (4720.5360, subp. 4)	

PUBLIC WATER SUPPLY PROFILE

PUBLIC WATER SUPPLY	
NAME	City of Lake Elmo
ADDRESS	3880 Laverne Avenue N
	Lake Elmo, MN 55042
TELEPHONE NUMBER	651-747-3900
E-MAIL	khandt@lakeelmo.org

WELLHEAD PROTECTION MANAGER	
NAME	Rob Weldon, Public Works Director
ADDRESS	3880 Laverne Avenue N
	Lake Elmo, MN 55042
TELEPHONE NUMBER	651-747-3941
E-MAIL	rweldon@lakeelmo.org

CONSULTANT	
NAME	Marilyn Bayerl
	Bayerl Water Resources
ADDRESS	9083 State Hwy 114 SW
	Alexandria, MN 56308
TELEPHONE NUMBER	320-766-6126
E-MAIL	marilyn@bayerlwaterresources.com

GENERAL INFORMATION	
UNIQUE WELL NUMBER(S)	208448 (Well #1) 603085 (Well #2) 767874 (Well #4)
POPULATION SERVED:	4878
CONNECTIONS:	1,301
COUNTY:	Washington County

Members of the Wellhead Protection Team

NAME	REPRESENTING
Rob Weldon	Public Works Director – City of Lake Elmo
Chad Isakson	FOCUS Engineering – Assistant City Engineer
Robyn Hoerr	Minnesota Rural Water Association
Marilyn Bayerl	Consultant – Bayerl Water Resources

ABBREVIATIONS

BMP Best Management Practices
BWSR Board of Water and Soil Resources
CSAH County State Aid Highway
CRP Conservation Reserve Program
DNR MN Department of Natural Resources
DWSMA Drinking Water Supply Management Area
EQIP Environmental Quality Incentive Program
GPS Global Positioning Systems
IWMZ Inner Wellhead Management Zone
MDA MN Department of Agriculture
MDH MN Department of Health
mg/L Milligrams per Liter
MGS Minnesota Geological Survey
MNDOT MN Department of Transportation
MPCA MN Pollution Control Agency
MRWA MN Rural Water Association
NRCS Natural Resources Conservation Services
PCSI Potential Contaminant Source Inventory
PFCs Perfluorinated Chemicals
ppb Parts per Billion
PWS Public Water Supply
ROW Right-of-way
SWCD Soil & Water Conservation District
TBD To be determined
TOT Time-of-travel
WHP Wellhead Protection
WHPA Wellhead Protection Area

EXECUTIVE SUMMARY

Part Two of The City of Lake Elmo's Wellhead Protection Plan Amendment speaks to sections 4720.5220 through 4720.5290 of MN Rules. This portion of the plan is based on the requirements outlined in the scoping document found in the ***Appendix*** of this plan. It addresses:

- Data elements and their assessments
- Impact(s) of changes on the Public Water Supply Well
- Issues, problems and opportunities
- Wellhead protection goals
- Objectives and action plans
- Program evaluation
- Alternative water supply / contingency strategy

In the Part One of the City's WHPP Amendment, the delineation of the Wellhead Protection Areas (WHPAs), the Drinking Water Supply Management Areas (DWSMAs), vulnerability of the wells, and vulnerability status of the aquifer in which the City's wells are located were completed and approved by the Minnesota Department of Health. This important information was utilized in the completion of this document and can be found in the ***Appendix*** of this plan.

The City of Lake Elmo is in Washington County. It is mainly comprised of residential properties. The DWSMAs are shown in ***Figures One A and B*** and although the geologic conditions at the wells include a cover of clay-rich geologic materials over the aquifer, the vulnerability status is designated as moderately vulnerable due to elevated levels of tritium in city wells #1 (208448) and #2 (603085) which indicates a component of recharge since the early 1950s.

This moderately vulnerable status calls for inventory of most potential contaminant sources located within the DWSMA. Management strategies identified in Chapter Five focus on actions the City and the WHP team can focus on for the next ten years. These strategies focus on the following areas of concern: inner wellhead management zone, tanks, wells (unsealed - unused, high capacity, class V and residential), leaks sites, and education. Public education is the highest priority in this plan.

The previous DWSMA has changed in size due to new wells and changes in water use. The south DWSMA is new and the north DWSMA changes can be seen in ***Figure Two***.

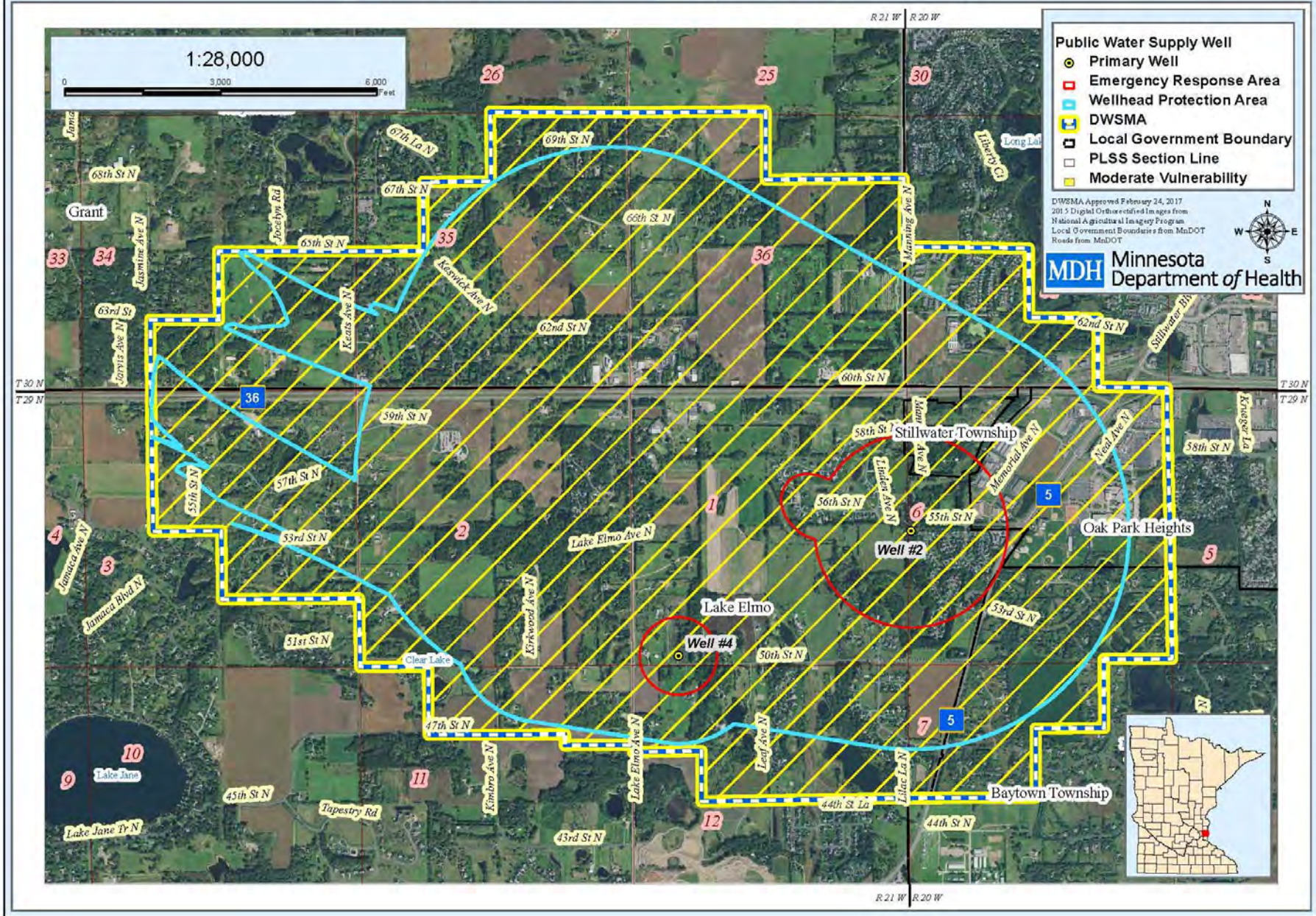
The City of Lake Elmo and the WHP team intend to work with Washington County, Baytown and Stillwater Townships, the cities of Grant, Oak Park Heights and Stillwater and State and local agencies to encourage preservation of existing open space within the DWSMA. The majority of the area is fully developed. It is the hope of the WHP team that through increased public awareness, habits will be established that will decrease the potential for future water problems and the community can continue to enjoy the current quality of water they have come to expect.

Lake Elmo
Washington County
Minnesota

Lake Elmo North Drinking Water Supply Management Area (DWSMA) MN-00960 - Moderate Vulnerability

Minnesota Department of Health
Environmental Health
Source Water Protection Unit

Figure One A

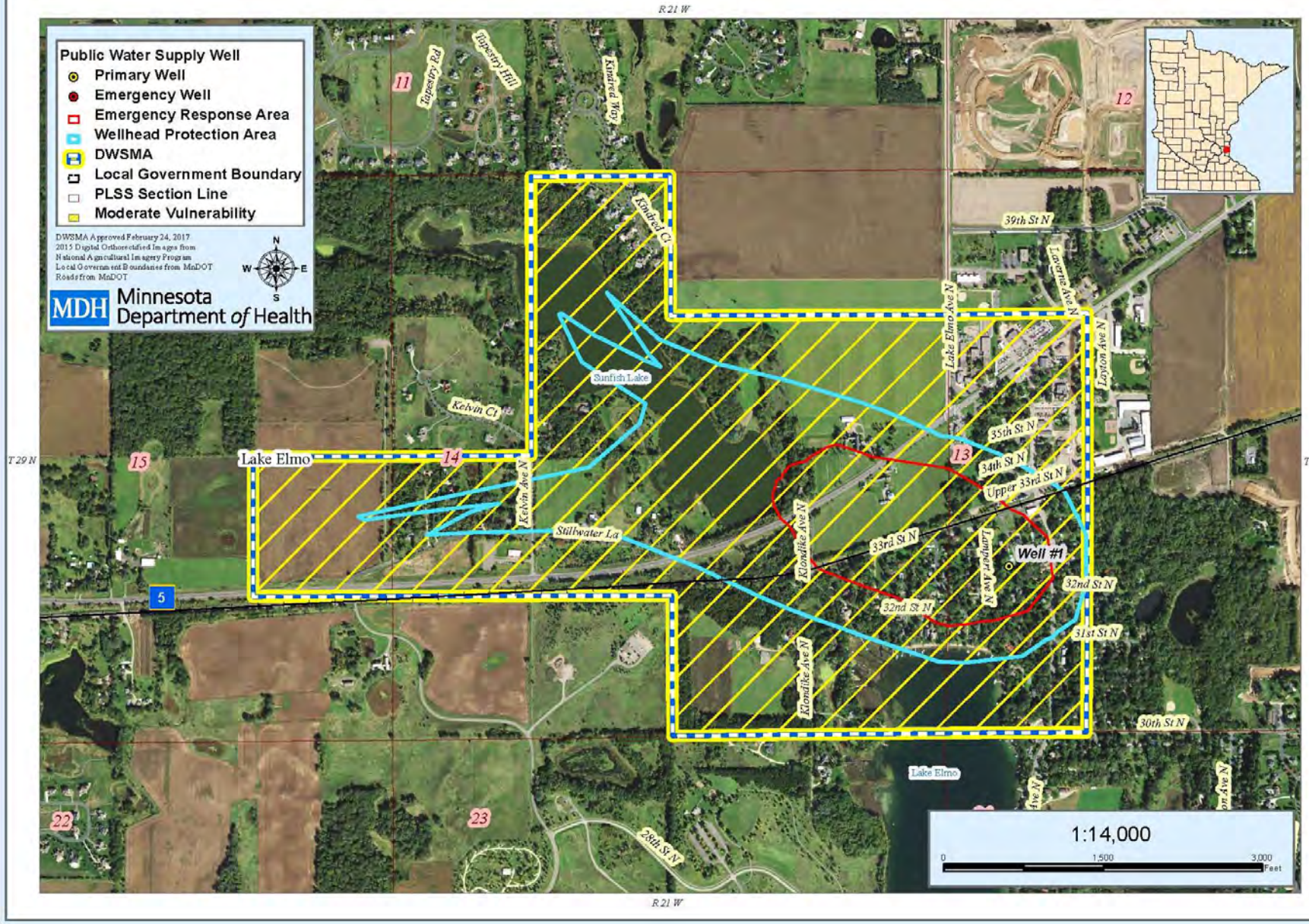


Lake Elmo
Washington County
Minnesota

Lake Elmo South Drinking Water Supply Management Area (DWSMA) MN-00959 - Moderate Vulnerability

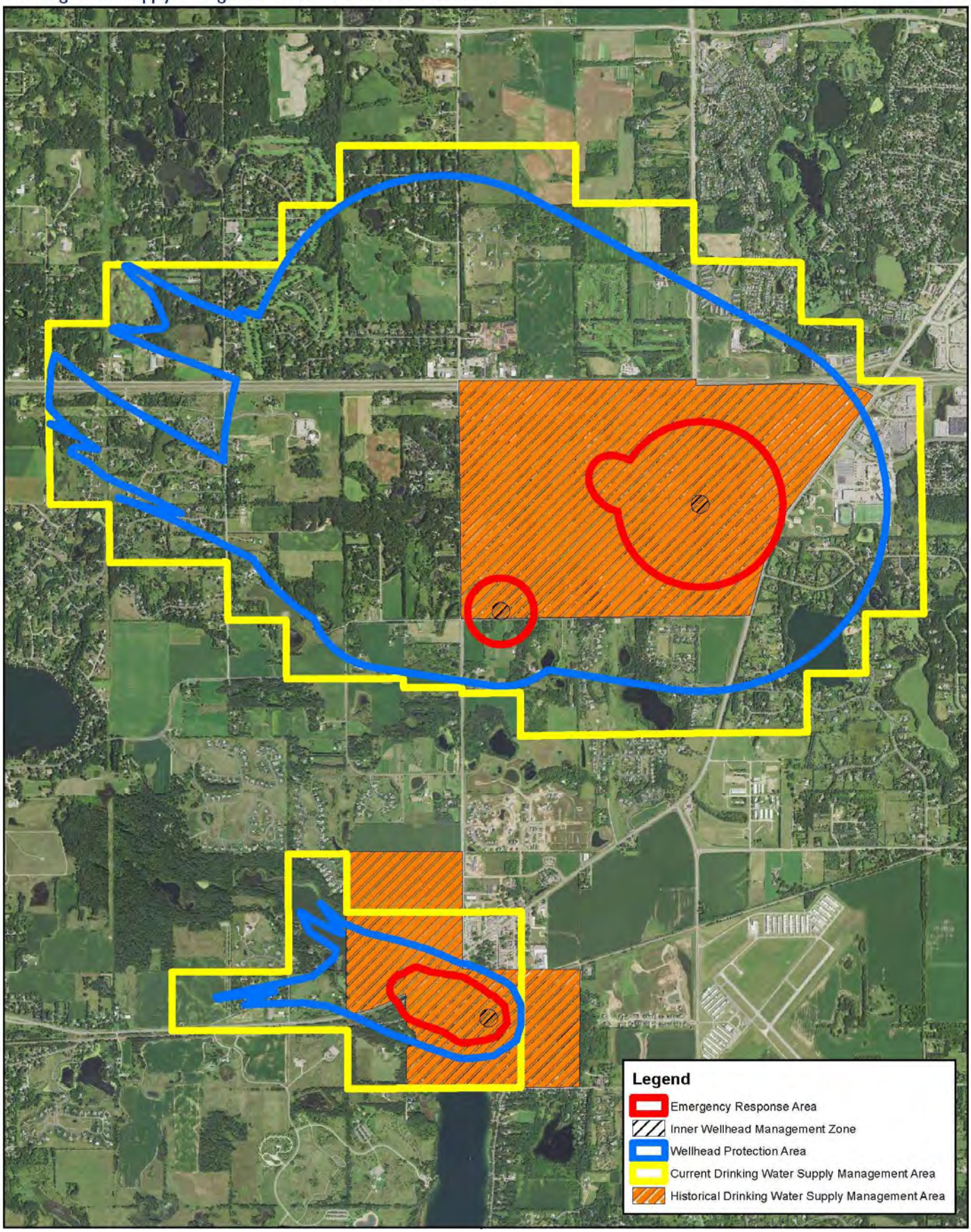
Minnesota Department of Health
Environmental Health
Source Water Protection Unit

Figure One B



LAKE ELMO - DWSMA

Drinking Water Supply Management Area - Current and Historical



CHAPTER ONE

DATA ELEMENTS/ASSESSMENT

Minnesota Rules 4720.5200

I. REQUIRED DATA ELEMENTS

A. PHYSICAL ENVIRONMENT DATA ELEMENTS

1. Precipitation

Precipitation is measured at multiple sites within Washington County through the Soil and Water Conservation District volunteer and other programs. Data from the sites are compiled and available on the State Climatology Website at: http://climate.umn.edu/hidenannual/. Precipitation is not considered to be an issue in this plan due to the Moderate Vulnerability.

2. Geology

The City of Lake Elmo's wells vary from 285 to 805-feet deep and lie in the Jordan, Jordan-Mt. Simon, and Prairie Du Chien-Jordan aquifers. A bedrock geologic map was completed for Washington County by the Minnesota Geological Survey in 2016 and the hydrologic portion is in progress. The maps are available on the MN Department of Natural Resources website at:
http://www.dnr.state.mn.us/waters/programs/gw_section/mapping/platesum/washcga.html

Geologic data elements pertinent to Wellhead Protection Area (WHPA) delineation and the moderate vulnerability status have been considered in the writing of this plan. According to the Part 1 Plan, Unconsolidated Quaternary deposits bury the bedrock aquifers used by the city of Lake Elmo wells. These unconsolidated deposits typically consist of a mix of sandy outwash and sandy loamy till deposited during the advance of the Superior lobe and earlier events. They are about 110-feet thick near Lake Elmo Well #2 and over 250-feet at well #1. They are included in part 1 and on file with the MDH and the City offices.

3. Soils

Due to the moderate vulnerability of the aquifer, soils are not required when determining potential contaminant sources.

4. Water Resources

The city of Lake Elmo DWSMAs have lakes within their boundaries. These lakes are not a consideration due to the moderate vulnerability.

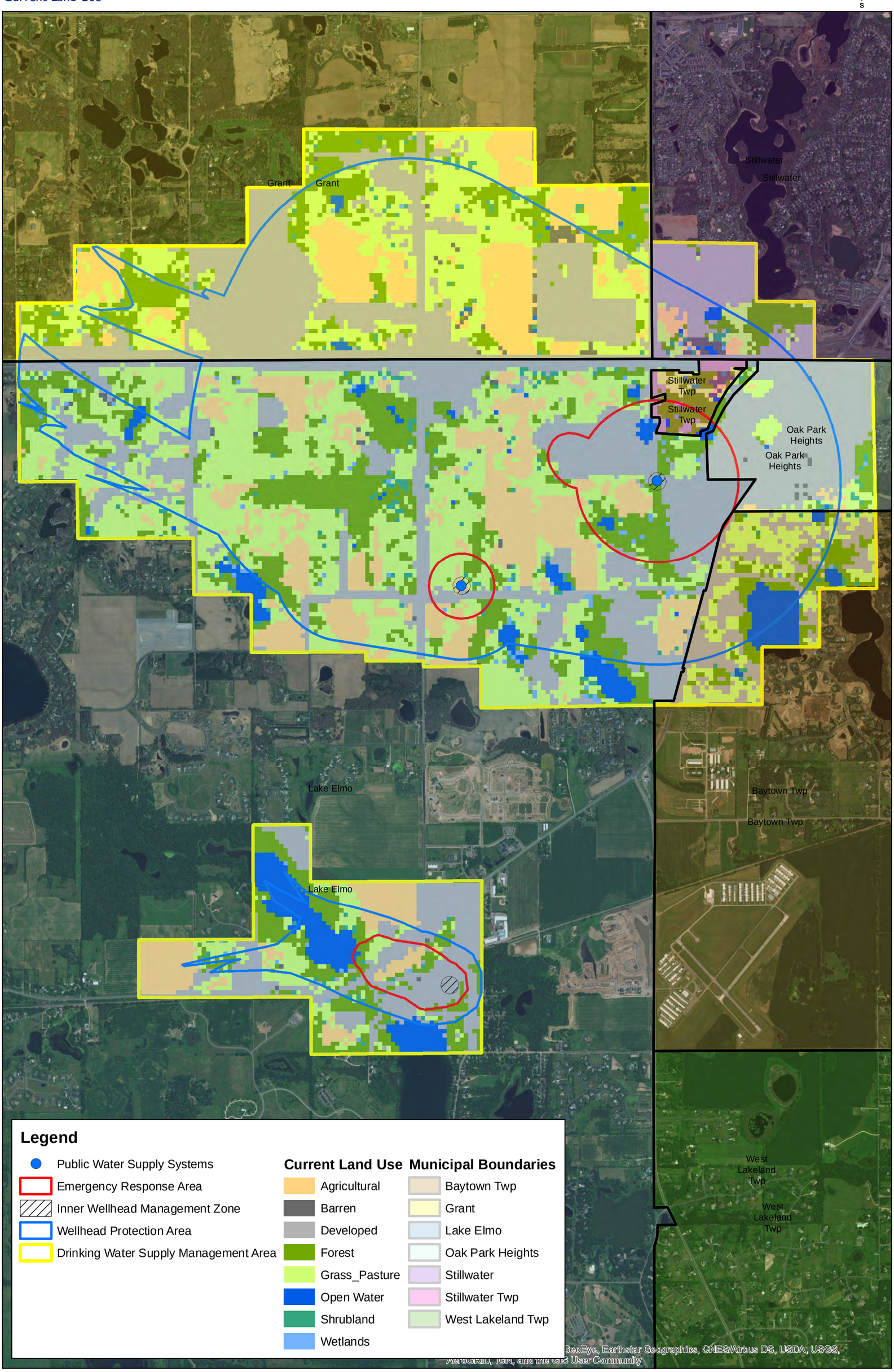
B. LAND USE DATA ELEMENTS

1. Land Use

Land use/cover for the City of Lake Elmo DWSMAs are as shown in ***Figure Three*** and ***Table A***. This is based on the 2016 National Agricultural Statistics Service from the United States Department of Agriculture. The predominant land use within the DWSMAs is developed at thirty-five percent. Grass/pasture is the other high use at twenty-seven percent. Less than fifteen percent is agriculture and just over seventeen percent is forested. Land use does not have an known effect on the drinking water supply wells.

LAKE ELMO - DWSMA

Current Land Use



MDH MINNESOTA DEPARTMENT OF HEALTH

0 375 750 1,500 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S

Figure Three

CITY OF LAKE ELMO DWSMAs		Table A
LAND USE	**Acres**	**% of DWSMA**
Developed	1,716	35.2
Grass Pasture	1,301	26.7
Forest	845	17.3
Agricultural	706	14.5
Open Water	193	3.9
Shrubland	62	1.3
Barren	28	0.6
Wetlands	28	0.6
	4,879	**100.0**

2. Zoning and Future Land use

The City of Lake Elmo is dealing with multiple jurisdictions within the North DWSMA, as shown in ***Table B and Figure Four***. Less than half the DWSMA lies within the city limits of Lake Elmo, the rest divided among three other cities and two townships. All lie within Washington County.

JURISDICTIONS WITHIN THE LAKE ELMO DWSMAs		Table B
NAME	**ACRES**	**DWS_NAME**
Lake Elmo	554.0	Lake Elmo South
Lake Elmo	2233.0	Lake Elmo North
Grant	1283.8	Lake Elmo North
Baytown Township	292.1	Lake Elmo North
Oak Park Heights	265.5	Lake Elmo North
Stillwater	187.7	Lake Elmo North
Stillwater Township	56.7	Lake Elmo North

Lake Elmo is currently developing a Comprehensive Plan update. In this plan, orderly development is being planned, as shown in ***Figure Five*** and ***Table C***. This will help preserve this use of the land for residential development, mainly large lot residential use to meet the Met Council population and density requirements. The future land use and/or zoning for all jurisdictions is mainly residential – large lot, single family, and rural. The south DWSMA is located entirely within the city limits of Lake Elmo and is slated for residential use in the future.

CITY OF LAKE ELMO DWSMAs		Table C
FUTURE LAND USE	**Acres**	**% of DWSMA**
Commercial and Other Mixed Use	5.5	0.1
Commercial, Retail, Undifferentiated	45.7	0.9
Community Park and Recreation	38.8	0.8
Educational	119.5	2.5
Golf Course	217.7	4.5
Industrial or Other Use	150.0	3.1
Institutional	25.4	0.5
Large Lot Residential	2,143.9	44.0
Open Space - Passive	152.9	3.1
Open Water	216.9	4.5
Railway Corridor	14.2	0.3
Residential or Other Use	36.6	0.8
Rural Residential	1,308.2	26.8
Single Family, Residential	259.3	5.3
Vehicular Rights of Way	138.3	2.8
	4,872.9	**100.0**

LAKE ELMO - DWSMA

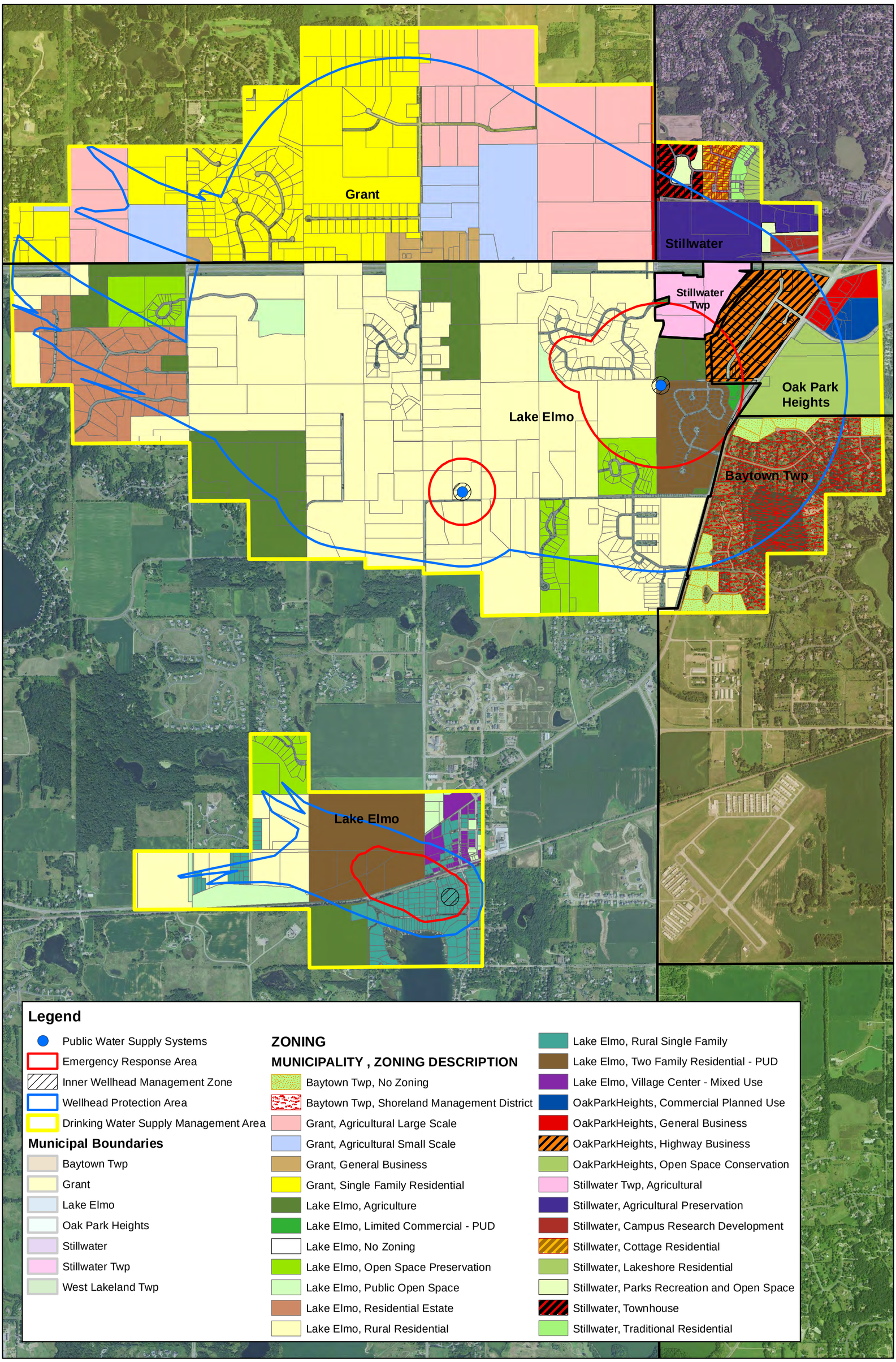
Zoning and Jurisdiction

MINNESOTA MDH DEPARTMENT OF HEALTH

0 500 1,000 2,000 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S



Legend

- Public Water Supply Systems
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area

Municipal Boundaries

- Baytown Twp
- Grant
- Lake Elmo
- Oak Park Heights
- Stillwater
- Stillwater Twp
- West Lakeland Twp

ZONING

MUNICIPALITY , ZONING DESCRIPTION

- Baytown Twp, No Zoning
- Baytown Twp, Shoreland Management District
- Grant, Agricultural Large Scale
- Grant, Agricultural Small Scale
- Grant, General Business
- Grant, Single Family Residential
- Lake Elmo, Agriculture
- Lake Elmo, Limited Commercial - PUD
- Lake Elmo, No Zoning
- Lake Elmo, Open Space Preservation
- Lake Elmo, Public Open Space
- Lake Elmo, Residential Estate
- Lake Elmo, Rural Residential
- Lake Elmo, Rural Single Family
- Lake Elmo, Two Family Residential - PUD
- Lake Elmo, Village Center - Mixed Use
- OakParkHeights, Commercial Planned Use
- OakParkHeights, General Business
- OakParkHeights, Highway Business
- OakParkHeights, Open Space Conservation
- Stillwater Twp, Agricultural
- Stillwater, Agricultural Preservation
- Stillwater, Campus Research Development
- Stillwater, Cottage Residential
- Stillwater, Lakeshore Residential
- Stillwater, Parks Recreation and Open Space
- Stillwater, Townhouse
- Stillwater, Traditional Residential

LAKE ELMO - DWSMA

Future Land Use

MDH MINNESOTA DEPARTMENT OF HEALTH

0 355 710 1,420 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

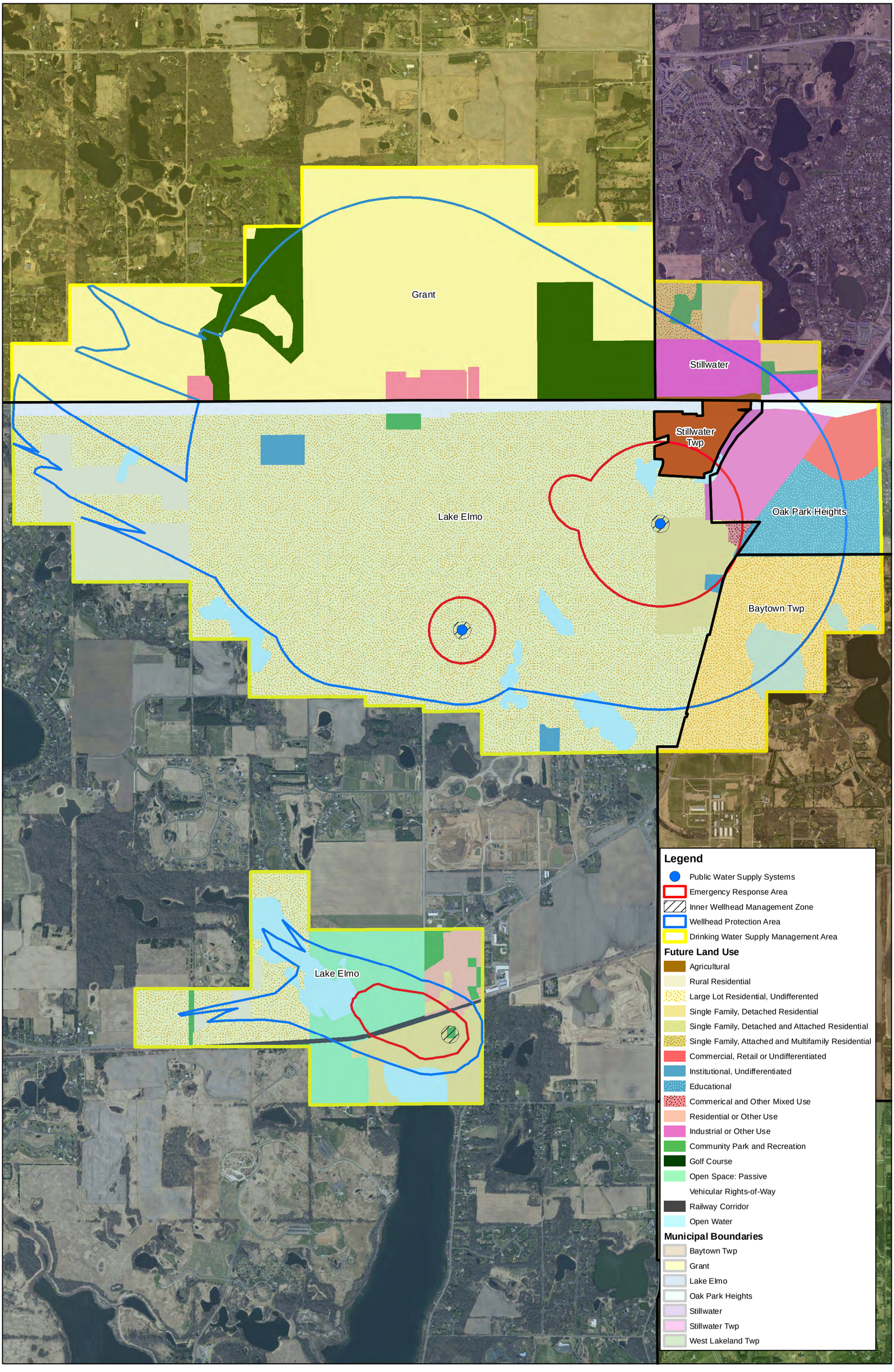


Figure Five

Zoning is shown in ***Figure Four*** and ***Table D***. All areas of the DWSMAs are located within Washington County. Over fifty-percent of the DWSMA areas are within the city limits of Lake Elmo (100-percent of the south DWSMA). The rest are as shown in the table. Zoning acres do not include highways and their rights-of-way.

Over sixty percent of the DWSMA areas are some type of residential or shoreland management. Twenty-three percent is agriculture and the remaining seventeen percent is a mix of business, commercial, open space, transition and not zoned. Future changes would likely be a conversion from agriculture to residential. A complete listing of parcels within the DWSMAs is available in the ***Appendix*** of this plan.

CITY OF LAKE ELMO DWSMAs			***Table D***
JURISDICTION	**ZONING**	**ACRES**	**% of DWSMA**
Baytown Township	No Zoning	42.9	5.6
	Shoreland Management District	214.7	
Grant	Agricultural Large Scale	480.9	27.2
	Agricultural Small Scale	166.1	
	General Business	38.7	
	Single Family Residential	557.2	
Lake Elmo	Agriculture	297.6	56.7
	Limited Commercial - PUD	5.3	
	No Zoning	2	
	Open Space Preservation	174.5	
	Public Open Space	77.8	
	Residential Estate	160.1	
	Rural Residential	1527.7	
	Rural Single Family	107.1	
	Two Family Residential - PUD	214	
	Village Center - Mixed Use	22.7	
Oak Park Heights	Commercial Planned Use Development	19.9	5.6
	General Business	31.1	
	Highway Business	92.9	
	Open Space Conservation	113.5	
Stillwater	Agricultural Preservation	91.0	3.6
	Campus Research Development	8.8	
	Cottage Residential	16.3	
	Lakeshore Residential	9.6	
	Parks Recreation/Open Space	13.0	
	Townhouse	19.1	
	Traditional Residential	7.4	
Stillwater Township	Agriculture	57.2	1.3
		4569.0	**100.0**

4. PCSI

A Potential Contaminant Source Inventory (PCSI) was conducted with the assistance of the MRWA, MDH, MPCA, the City of Lake Elmo as part of past plan implementation, and local well drillers. Some of the contaminant sources were identified based upon databases and information supplied by various State and Federal Agencies. These items include located, unlocated and sealed wells, Class V wells, solid waste, tanks, leak sites and potential contaminants of concern. This information was verified by the WHP Team. Further verification and mapping of the data will be included in the management strategies found in Chapter Five.

The following ***Table E*** and ***Figure Six A and B*** contains the potential sources of contamination along with the priority they were assigned by the wellhead team. A listing of properties with a potential contaminant source - including wells, along with parcel identification and maps is included in the ***Appendix***. The maps and list of these contaminant sources will be used by the City to educate and contact landowners that they are located within the DWSMAs and about the impact these items may have on the city of Lake Elmo's PWS wells.

Table E – Potential Contaminant Source Inventory

Potential Source Type *A=Active, I=Inactive, R=Removed, C=Closed, U=Unknown L=Level of Risk (H=High, M=Medium, L=Low)	**Total No.**	**NORTH DWSMA (Well #2 and Well #4)**						**SOUTH DWSMA (Well #1)**					
		A	**I**	**R**	**C**	**U**	**L**	**A**	**I**	**R**	**C**	**U**	**L**
Underground Storage Tanks	**39**	5		22			A=H R=L	6		6			A=H R=L
Above ground Storage Tanks	**12**	2			4		L					6	L
Leaking Underground Storage Tanks	**14**				10		M				4		M
Potential Contaminants of Concern	**4**		2		2		M						
Solid Waste	**3**	2	1				L						
Wells	**505**	337	1			121	H	44				2	H
Class V Wells	**2**	1					L	1					L
TOTAL	**579**	347	4	22	16	121		51		6	4	8	

All known wells have been identified and located. Unlocated wells utilized for this PCSI have been either located within the DWSMAs or determined to be outside the DWSMAs. Those located outside the DWSMAs have not been included in the PCSI. Properties within the DWSMAs that have a dwelling but no known well will be included in the PCSI as unknown wells. The city will strive to verify these wells. There are 505 wells within the DWSMAs. Inactive wells and any new wells found will be assessed for sealing potential. Education will be provided to property owners about the risks of unused/unsealed wells and incentives to seal them will be pursued.

There are 14 closed or inactive leak/brownfield sites. It is important for the city to monitor these sites as is practical. The MPCA is the regulatory authority for these sites.

LAKE ELMO - NORTH DWSMA

Potential Contaminant Source Inventory

Figure Six A

0 375 750 1,500 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

Legend

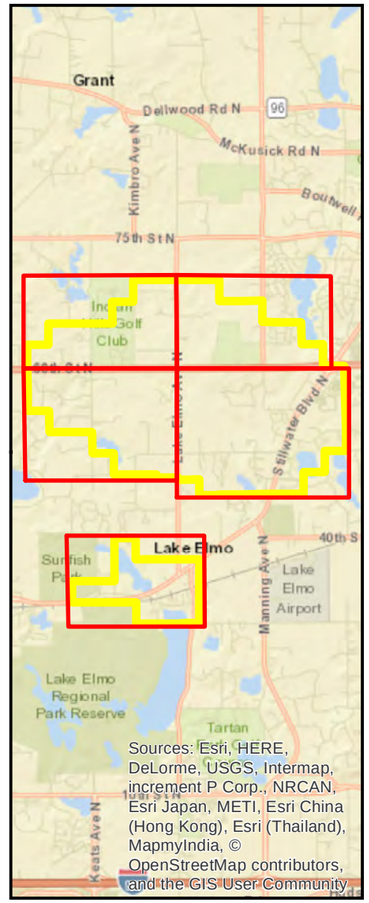
WELLTYPE

- Public Water Supply System
- UNKNOWN WELL
- WELL
- Class V Wells

Potential Contaminant Source Inventory

- Aboveground Storage Tanks
- Brownfield VIC
- Leak Site
- Petroleum Brownfield
- Petroleum Remediation
- Solid Waste, Permit By Rule
- Underground Storage Tanks

- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area
- Parcels
- Washington_Roads



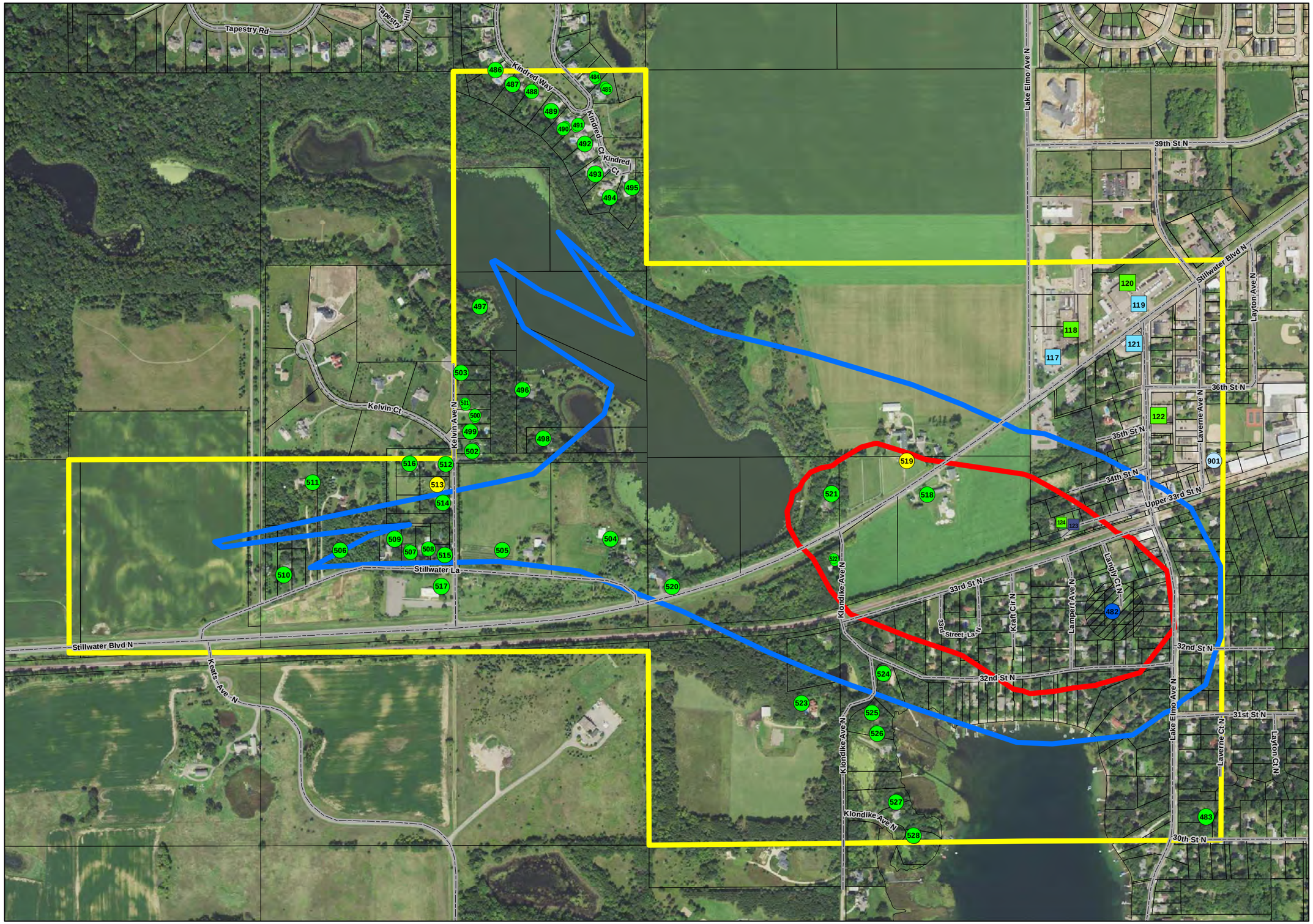
LAKE ELMO - SOUTH DWSMA

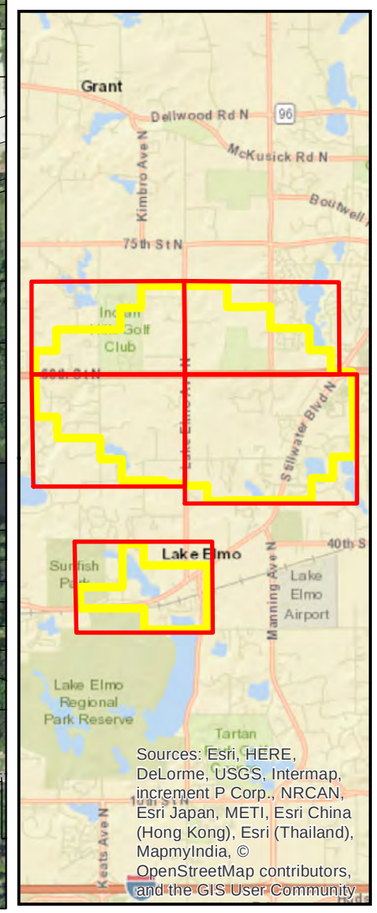
Potential Contaminant Source Inventory

MINNESOTA DEPARTMENT OF HEALTH MDH

0 170 340 680 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS





Legend

WELLTYPE

- Public Water Supply System
- UNKNOWN WELL
- WELL
- Class V Wells

Potential Contaminant Source Inventory

- Aboveground Storage Tanks
- Brownfield VIC
- Leak Site
- Petroleum Brownfield
- Petroleum Remediation
- Solid Waste, Permit By Rule
- Underground Storage Tanks
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area
- Parcels
- Washington_Roads

Tanks could pose a threat to the drinking water supply aquifer if they develop a leak. They will be addressed in the management strategies of this plan by education of the owners.

Class V injection wells are typically shallow disposal systems that are used to place a variety of fluids below the land surface. Examples of Class V injection wells include: motor vehicle waste disposal wells, large capacity cesspools, storm water drainage wells, aquifer remediation wells and large capacity septic systems.

Class V wells are a concern because, in some situations, they may pose a risk to underground sources of drinking water. The risk a Class V well may present depends on factors such as: the type of fluid(s) it receives, its location in relation to water supply sources, its construction, maintenance and local geology. There is one Class V well in each DWSMA. These are large septic systems and are registered with and regulated by the Environmental Protection Agency.

Existing land uses, management and local land use controls within the Inner Well Management Zone (IWMZ or 200' radius around the public water supply wells) and the immediate one year time of travel area is shown in ***Table F*** and was reviewed and considered by the WHP team during the development of this plan. This is done to identify land use issues and related potential contaminants which may have the most immediate impact upon the public water supply wells.

Table F **- Potential Contamination Sources and Assigned Risk for the IWMZ**

Source Type	Well 1	Well 2	Well 4	Risk
SET – Septic Tank	2			M
GPR – Gravel Pocket – clean water	1	1	1	L
DRA – Drain field	2			M
SB1 – Sewer, buried – 1-2 residences		1		L
WAT – Lake, wetland, stream		1		L

The WHP team discussed the importance of on-going monitoring for land use changes and potential contaminants near the public water supply wells and awareness of the State Well Code isolation distances and the need to maintain these setback requirements. The area around the wells consists mainly of residential or public land. The two septic systems will likely be hooked to municipal sewer within five years. A copy of the IWMZ forms and measures that have been identified are included in the ***Appendix*** of this plan. Management Strategies to address recommendations in the inventory and protect this area will be considered in Chapter Five of this plan.

3. Public Utility Services

Public Utilities and infrastructure that may impact groundwater quality in the DWSMAs were considered in the development of this plan. There are no public drainage ditches located within the City of Lake Elmo DWSMAs.

A public utilities and transportation map is shown in the ***Appendix*** and is available at the City offices and public works. CSAH 14 runs along the southeastern border of the one-year time-of-travel for City Well #1.

MN Highway 36 runs east/west through the north DWSMA. In the south DWSMA, CSAH 14 runs through from southwest to northeast. The city will work with Washington County and MNDOT to mitigate spills along state highways

The City's DNR Water Supply Plan approval letter, found in the ***Appendix*** addresses options for back up water supplies and emergency preparedness in the event of a catastrophic event such as a hazardous release that may impact the public water supply.

Logs of the City's wells and the "Old Municipal Well" document are in the ***Appendix***. The city will work with MRWA and MDH to identify and seal any unused municipal or cross-connected wells.

C. WATER QUANTITY DATA ELEMENTS

1. Surface Water Quantity

Surface water quantity is not a consideration in these moderately vulnerable DWSMAs.

2. Groundwater Quantity

The aquifers appear to have adequate recharge to meet city needs and there are no indications of impact from other high-capacity wells in the area. There are no known well interferences or water use conflicts.

The City of Lake Elmo well #4 is located within the White Bear Lake groundwater restriction area imposed by the Department of Natural Resources (DNR). This causes limitations and hardship within the City for planned growth and the potential need for new wells to meet growing needs. This is addressed in the DNR Water Supply Plan in the ***Appendix*** of this plan.

D. WATER QUALITY DATA ELEMENTS

1. Surface Water Quality

Surface water quality is not regulated at this time and is not a consideration in these moderately vulnerable DWSMAs.

2. Groundwater Quality

No exceedance was found in any of the MDH tested parameters over the past ten years.

Tritium analysis was conducted on Wells number 1 and 2. Levels of 2.8 and 5.4 tritium units were detected in these wells respectively, leading to the moderate vulnerability of the drinking water aquifer.

Perfluorinated Chemicals (PFCs) have been found in well #1, determined to be due to groundwater contamination.

II. ASSESSMENT OF DATA ELEMENTS

A. USE OF THE WELL

The City of Lake Elmo utilizes three wells, at 285, 422, and 805-feet deep with 3 storage towers containing 1.825-million-gallon capacity. The City wells pump about 300,000 to 600,00-gallons per day depending on the time of year.

Treatment includes the addition of chlorine and fluoride. Well #1 is slated to be replaced in the future due to PFCs in the drinking water from a plume due to groundwater contamination. It will be temporarily taken out of service to assess options.

The City provides service to 1,301 metered connections through appurtenant distribution mains, lines and services. The volume of water pumped from 2012 through 2016 has ranged from a low of 109.6 million-gallons in 2015 to a high of 165.1 million-gallons in 2012. Water use is expected to show moderate to high growth.

The installation of other high-capacity wells or increases in water use beyond permitted appropriation levels may affect the delineated WHPAs and DWSMAs and subsequently require a revision of this WHPP.

B. WELLHEAD PROTECTION AREA DELINEATION CRITERIA

The following data inputs were used in determination of the boundaries of the wellhead protection area.

1. **Time of Travel**
2. **Flow Boundaries**
3. **Daily Volume**
4. **Ground Water Flow Field**
5. **Aquifer Transmissivity**

A detailed discussion of the delineation is found in Part One of the plan, supplied in the ***Appendix*** of this document.

C. QUALITY AND QUANTITY OF WATER SUPPLYING THE PUBLIC WATER SUPPLY WELL

The City has an adequate supply of groundwater to provide services to its customers. There are no known interferences with other wells. Results of routine sampling conducted by the MDH has shown no violations of any parameters monitored under the Safe Drinking Water Act.

D. THE LAND AND GROUNDWATER USES IN THE DRINKING WATER SUPPLY MANAGEMENT AREA

The land use within the DWSMAs is mainly residential use. Proactive management of existing wells, unsealed, unused wells, solid waste, tanks, leak sites, potential contaminants of concern and potential class V wells are of concern due to the moderately vulnerable rating of the aquifer. Potential Contaminant Sources are discussed and addressed in the Management Strategies of this plan.

CHAPTER TWO

IMPACT OF CHANGES ON PUBLIC WATER SUPPLY WELL

Minnesota Rules 4720.5220

I. CHANGES IDENTIFIED IN:

A. PHYSICAL ENVIRONMENT

No significant changes to the physical environment are anticipated within the DWSMA.

B. LAND USE

The city expects agriculture areas within the DWSMA to convert to residential development.

C. SURFACE WATER

No expected changes in surface water.

II. IMPACT OF CHANGES

A. EXPECTED CHANGES IN WATER USE

The city expects significant growth due to the Met Council requirements of 250-residential lots per year. Water use will continue to increase steadily.

B. INFLUENCE OF EXISTING WATER AND LAND GOVERNMENT PROGRAMS AND REGULATION

Multiple jurisdictions exist throughout the north DWSMA. The land covers three cities - Stillwater, Oak Park Heights and Grant; and two townships – Stillwater and Baytown. The south DWSMA lies entirely within the city limits of Lake Elmo. The city will work with the townships, other cities, and Washington County as appropriate to mitigate potential contaminants.

C. ADMINISTRATIVE, TECHNICAL, AND FINANCIAL CONSIDERATIONS

The City of Lake Elmo has been supportive of Wellhead Protection efforts. A Wellhead committee has been formed and has been actively involved in the planning process. The City will establish a line item budget to include implementation of priority strategies identified in this plan.

The Lake Elmo City Council will be responsible for implementation of this plan. The Wellhead Protection Committee will continue to meet periodically to review and discuss implementation programs.

Washington County Planning and Zoning and Water Planning have provided technical assistance for this plan, along with local experts such as the Washington SWCD.

CHAPTER THREE

ISSUES, PROBLEMS, AND OPPORTUNITES

Minnesota Rules 4720.5230 *Table G*

Issue Identified	Impacted Feature	Problem Associated with the Identified Issue	Opportunity Associated with the Identified Issue	Adequacy of Existing Controls to Address the Issue
There may be unknown wells located within the DWSMAs	Aquifer Well water quality DWSMA	Unused/unsealed wells pose a threat to the drinking water aquifer.	The city will pursue 100% funding to seal wells if they are located and the property owner consents.	The city does not have authority to require that unused wells be properly sealed. The MDH has authority to require well sealing.
Tanks, leaks and contamination sites are located within the DWSMAs	Aquifer Well water quality DWSMA	Leaking tanks may pose a threat to the public water supply aquifer.	The city will provide information on the city website and continue routine safe drinking water monitoring.	The city does not have authority to regulate tanks. The MPCA has authority to regulate tanks.
There are 123 unverified wells located within the DWSMAs and multiple jurisdictions.	Aquifer Well water quality	The city does not have information regarding well numbers, depth, etc. on wells located within the DWSMAs.	The city will provide information on the city website and work with Washington County on identification of these wells.	The city does not have authority to require that unused wells be properly sealed. Washington County is the well authority.
CSAH 14 and MN State Hwy 36 may impact the DWSMAs.	Aquifer Well water quality	Potential spills from these areas may impact the drinking water supply aquifer.	The city can notify the local fire district, county public works, and MNDOT by letter, requesting prompt spill assist and notification.	The city does not regulate State Highways or pipelines. MNDOT regulates State Highways.
Well #1 has PFCs and will likely need to be replaced	Aquifer Well water quality Well water quantity DWSMA	PFCs affect the treatment of drinking water. The City has limitations on new wells.	The City will work with the DNR, MDH and Met Council to meet water needs and work with the public on conservation.	The DNR regulates water appropriations. The Met Council determines growth. MDH regulates wells.
The City of Lake Elmo is within the 5-mile radius of White Bear Lake	Aquifer Well water quality Well water quantity DWSMA	This presents potential limits on both groundwater and surface water use.	The City will work with the DNR, MDH and Met Council to meet water needs.	The DNR regulates water appropriations. The Met Council determines growth. MDH regulates wells.
The City anticipates continued growth (approx. 260 MG/Y)	Aquifer Well water quality Well water quantity DWSMA	The City needs to supply water to the community to meet demands.	The City will work with the DNR to amend their water appropriations permit.	The DNR regulates water appropriations for drinking water.
The City website requires upgrades to include WHP information.	Well water quality	The City needs to upgrade the website to include wellhead protection information.	The City can apply for MDH implementation grant funding to assist with website design.	N/A
The DWSMAs are in multiple jurisdictions.	Well water quality	Multiple jurisdictions have regulatory authority on land use.	The City can work cooperatively with other jurisdictions.	Washington County has authority on wells.
The city does not have alternate power on well #2.	Well Water Quantity	The city needs to provide water in times of power outage.	The city can apply for MDH grant funding to assist with the purchase and installation of a generator.	

There may be unknown Class V Wells located in the DWSMAs.	Aquifer Well water quality DWSMA	The city needs to inform property owners of what a Class V Well is and how to report.	The city can apply for MDH grant funding to inform the property owners within the DWSMA.	The EPA has authority over Class V Wells in Minnesota.

Table G outlines the issues, problems and opportunities determined by the wellhead team to be priorities during the 10-year implementation phase of this plan. It is difficult to foresee or plan for the future. The City of Lake Elmo will use its planning and management capabilities within this plan to respond to any new/unknown source water protection issues that may impact the quality or quantity of its drinking water in the future.

I. IDENTIFICATION OF:

A. PROBLEMS AND OPPORTUNITIES DISCLOSED AT PUBLIC MEETING AND IN WRITTEN COMMENT

No public comments were presented at any of the public meetings held in conjunction with this plan.

B. DATA ELEMENTS

The State's Wellhead Protection Rule requires that existing information be utilized in developing the Wellhead Protection Plan. Much of the data collected and utilized to delineate the City's WHPA and DWSMA and to determine vulnerability of the aquifer to possible contamination comes from regional sources on a large scale. While much regional information and data is being used, Lake Elmo has initiated ground truthing of many of the contaminant sites and sources within the community to further protect public drinking water supplies.

The City of Lake Elmo has located and mapped the PCSI elements to determine potential areas of concern and will update as necessary.

C. STATUS AND ADEQUACY OF OFFICIAL CONTROLS, PLANS, AND OTHER LOCAL, STATE, AND FEDERAL PROGRAMS ON WATER AND LAND USE

The WHP committee feels adequate protection of the DWSMAs is available through existing land use ordinances in the cities, townships, and Washington County, and state well and groundwater appropriations permits. Existing education programs, promoting Best Management Practices (BMPs) and working with local landowners on issues is the approach proposed by the City.

The Washington Groundwater Plan, administered by the Public Health and Environment department, was adopted in September of 2014 with the overall goal to manage the quality and quantity of groundwater in Washington County to protect the health and ensure sufficient supplies of clean water to support human uses and natural ecosystems. County Water Plan, administered by Washington Soil and Water Conservation District, addresses ground and surface water protection. Potential funding for well sealing or other BMPs may be available through Local Water Planning or the Soil and Water Conservation District, or through MDH Source Water Protection Implementation Grants (available as part of the Clean Water Legacy). Other agencies within the state have programs that may be helpful in implementation of this plan. They include MRWA, MDH Well Management, MPCA tanks section, DNR and MDA.

CHAPTER FOUR

WELLHEAD PROTECTION GOALS

Minnesota Rules 4720.5240

III. GOALS

A. PRESENT AND FUTURE WATER AND LAND USE

The overall Goals of the City of Lake Elmo Wellhead Protection Plan are:

1. **Protect the public water supply from contamination due to safety and land use activities.**
   The Potential Contaminant Source Inventory for Lake Elmo identified sources as potential threats to the drinking water. These include tanks, leaks, solid waste, potential contaminants of concern, potential class V wells and unused/unsealed wells. These uses will require management strategies for protection of drinking water, including, but not limited to land use. All landowners with contaminant sources share in the responsibility for accomplishment of this goal with the City of Lake Elmo's WHP team, in partnership with the Local Governmental Units, playing a lead role.

2. **Establish and maintain a WHP continuing public education program as an ongoing process.**
   The City of Lake Elmo has participated in public education programs pertaining to wellhead protection and intends to continue to work towards improving public perception pertaining to protection of the public drinking water supply. They intend to upgrade the City website with wellhead information and opportunities to the property owners within the DWSMAs, including but not limited to well sealing cost-share or full funding as grants are available.

   The City currently enjoys a safe and sufficient water supply. Through the implementation of this WHP Plan, they propose to further safeguard the public water supply of the citizens of the City of Lake Elmo.

CHAPTER FIVE

OBJECTIVES AND PLANS OF ACTION

Minnesota Rules 4720.5252

Objectives provide the focus for ensuring that the goals of the WHP plan are met and that priority is given to specific actions that support multiple outcomes of plan implementation.

Both the objectives and the wellhead protection measures (actions) that support them are based on assessing 1) the data elements, 2) the potential contaminant source inventory, 3) the impacts that changes in land and water use present and 4) issues, problems, and opportunities referenced to administrative, financial, and technical considerations.

OBJECTIVES

The following objectives have been identified to support the goals of the WHP plan for the City of Lake Elmo:

A. Provide land owners with educational materials and other resources to assist them with drinking water protection issues such as private well use, maintenance and sealing assistance and Class V wells.

B. Increase the knowledge base regarding quantity of water available – maintain adequate drinking water supply.

C. Gather new information on potential contaminants.

D. Manage potential contaminants.

E. Ensure emergency preparedness of local agencies.

F. Create awareness among LGUs about the importance of protection of the drinking water supply aquifer.

G. Maintain communications with the MDH and other agencies able to assist with implementation of this plan.

H. Collect additional data to substantiate information contained within this Plan, and to provide more detail for future Plan amendments.

I. Conduct regular evaluations of Plan implementation and effectiveness.

WHP MEASURES AND ACTION PLAN

Based upon this information, the WHP team has identified WHP measures that will be implemented by the City over the 10-year period that its WHP plan is in effect. The objective that each measure supports is noted as well as 1) the lead party and any cooperators, 2) the anticipated cost for implementing the measure and 3) the year or years in which it will be implemented.

The following categories are used to further clarify the focus that each WHP measure provides, in addition to helping organize the measures listed in the action plan:

- Data Collection
- IWMZ Management
- Land Use Management
- Potential Contamination Source Management
- Public Education and Outreach
- Reporting and Evaluation
- Water Use and Contingency Strategy

ESTABLISHING PRIORITIES

WHP measures reflect the administrative, financial, and technical requirements needed to address the risk to water quality or quantity presented by each type of potential contamination source. Not all of these measures can be implemented at the same time, so the WHP team assigned a priority to each. A number of factors must be considered when WHP action items are selected and prioritized (part 4720.5250, subpart 3):

- Contamination of the public water supply wells by substances that exceed federal drinking water standards.
- Quantifiable levels of contamination resulting from human activity.
- The location of potential contaminant sources relative to the wells.
- The number of each potential contaminant source identified and the nature of the potential contaminant associated with each source.
- The capability of the geologic material to absorb a contaminant.
- The effectiveness of existing controls.
- The time needed to acquire cooperation from other agencies and cooperators.
- The resources needed, i.e., staff, money, time, legal, and technical resources.

The City of Lake Elmo defines a priority for implementing a WHP measure as maintaining the quantity and high quality drinking water they have come to expect. The following ***Table H*** lists each measure that will be implemented over the 10-year period that the City's WHP plan is in effect, including the priority assigned to each measure. The City is the responsible party for all measures.

It is difficult to foresee and plan for the future. The City will use its planning and management capabilities within this plan to respond to any new/unknown source water protection issues that may impact the quality or quantity of its drinking water in the future.

MONITORING, DATA COLLECTION, AND ASSESSMENT:

Table H - WHP Plan of Action

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. Aquifer Testing: **WHP Measure #1:** Provide for the long-term protection of Lake Elmo's PWS by planning for an alternate wellfield site. Pending available funding and resources, including water quality sampling of existing wells and the construction of test wells, and well capacity testing to determine potential yield and suitability as a municipal water supply.	**B/H**	**H**	Lake Elmo MDH Hydro DNR Consultant TBD	TBD	←----------As funding becomes available----------→									
WHP Measure #2: Conduct a pumping test on city wells if/when maintenance occurs. If new high-capacity well is drilled in or near the DWSMA, gather pumping test data to use for future delineation.	**B/H**	**H**	Lake Elmo MDH MGS MN DNR	TBD	←----------As Needed----------→									
2. Groundwater Quality Monitoring: **WHP Measure #3:** Notify MDH Hydrologist during year 5 for monitoring tritium, chloride, bromide, nitrate+nitrite N, Ammonia. Collect samples as requested – MDH to pay monitoring costs.	**G/H**	**H**	MDH Lake Elmo	Staff Time					X	X	X			
WHP Measure #4: Work cooperatively with MDH when contacted for sampling and analysis of regulated contaminants. MDH will sample and pay lab fees.	**G/H**	**H**	MDH Lake Elmo	Staff Time	←----------As Requested----------→									
3. Well Inventory and Prioritization **WHP Measure #5:** Update the PCSI as needed with a complete update during year six. Review status of existing potential contaminants and add any new ones identified within the DWSMA.	**C**	**H**	Lake Elmo MDH	Staff Time TBD						X				

WELL AND CONTAMINANT SOURCE MANAGEMENT:

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. Municipal Well Management Practices **WHP Measure #6:** Contact MDH to update the IWMZ survey form for all wells in the system every 7 years working in coordination with the MDH.	**G/H**	**H**	Lake Elmo MDH MRWA	Staff Time							X			
WHP Measure #7: Monitor setbacks for all new potential contaminant sources within the IWMZ.	**D**	**H**	Lake Elmo MDH	Staff Time	←----------On-Going----------→									
WHP Measure #8: Hook up SSTS located within the IWMZ of Well #1 if feasible.	**D**	**H**	Lake Elmo	TBD	←----------If Feasible----------→									
WHP Measure #9: Mark floor drains in well houses "French drain – clean water only".	**D**	**H**	Lake Elmo	Staff Time	X									
WHP Measure #10: Replace cracked or deteriorated sewer lines within the IWMZ of Well #2.	**D**	**H**	Lake Elmo MDH	TBD	←----------On-Going----------→									
WHP Measure #11: Provide a map of the DWSMA to the local Fire Department, MNDOT, and the Washington County Highway Department. Request their awareness and prompt response to accidents, spills and clean-up efforts along CSAH 14 and Highway 36 near the PWS wells.	**E/F**	**H**	Lake Elmo Washington County MNDOT	Staff Time	X									
WHP Measure #12: Work with the DNR, MDH and Met Council to investigate water needs for the city and potential sources, including mitigation or removal from service of well #1.	**B/D/F**	**H**	Lake Elmo DNR MDH Met Council	Staff Time	←----------On-Going----------→									
WHP Measure #13: If well #1 is permanently removed from service, obtain MDH grant to seal the well and remove the DWSMA from the wellhead potential contaminant source inventory.	**D/G**	**H**	Lake Elmo MDH	Staff Time	←----------If Needed----------→									

WELL AND CONTAMINANT SOURCE MANAGEMENT (Cont.):

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2. Municipal Well Security Issues **WHP Measure #14:** Purchase a generator for permanent standby use for well #2.	**E**	**H**	Lake Elmo MDH	Greater than $10,000		X								
WHP Measure #15: Purchase and install generator wiring and controls to accommodate generator needs.	**E**	**H**	Lake Elmo MDH	Greater than $10,000		X	X							
3. Old Municipal Well Management **WHP Measure #16:** If any old municipal wells are found, work with MDH to seal.	**H**	**M**	Lake Elmo MDH	Staff Time	←----------On-Going----------→									
4. Private Well Management **WHP Measure #17:** Contact Washington County – notify of unknown wells and support efforts to identify wells.	**A/D**	**H**	Lake Elmo MDH	Staff Time TBD	X	←----------As Needed----------→								
WHP Measure #18: Offer 100% funding for well sealing on unused/unsealed wells located in the DWSMA through billing inserts and on website if funding is available through MDH implementation grant.	**D/G**	**H**	Lake Elmo SWCD	Approx. $1,700 per well			X							
5. Class V Wells **WHP Measure #19:** Update and identify any new known potential Class V Wells in the DWSMA. Contact MDH Planner for assistance with a suspected owner of a Class V well.	**B**	**M**	Lake Elmo MDH EPA	Staff Time	←----------On-Going----------→									
6. Tanks, Leaks and Contaminants of Concern **WHP Measure #20:** Provide mailing to existing active tank owners containing information on proper tank management.	**A/D**	**M**	Lake Elmo	Staff Time				X						
WHP Measure #21: If wells show contaminants, work with MPCA to determine if closed sites need to be re-activated.	**D/F**	**M**	Lake Elmo	Staff Time	←----------If Needed----------→									

EDUCATION AND OUTREACH:

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. Education and Outreach **WHP Measure #22:** Contact MDH Planner and request well brochures to be placed at city hall to educate the community about unused/unsealed wells and well maintenance.	**A/G**	**H**	Lake Elmo MRWA	Staff Time		X				X				
WHP Measure #23: Include wellhead protection education information on the City website. Provide conservation measures and well sealing information to property owners via the website. Include information about the hazards of unused wells and options for correctly managing them by having them properly sealed or returning them to operating condition.	**A/D**	**M**	Lake Elmo MDH MRWA	TBD	X									
WHP Measure #24: Brief the mayor and city council about the potential for unlocated and unused wells in the DWSMA and status of well sealing efforts. Describe resources needed and available.	**A**	**M**	Lake Elmo MDH	Staff Time	X						X			

LAND USE AND PLANNING:

Description	Objecti ve	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. General Land Use & Water Resource Planning **WHP Measure #25:** Update local ordinances to provide well management language for the protection of the drinking water supply aquifer. Apply for MDH funding to assist with costs.	**E/F**	**H**	Lake Elmo MDH	TBD	←----------On-Going----------→									

WHP COORDINATION, REPORTING, AND EVALUATION:

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. WHP Coordination **WHP Measure #26:** Annually coordinate an internal meeting with the city administrator, public works, mayor or appropriate staff to discuss WHP Plan implementation and coordination. Discuss funding needs and pursuit of SWP Grant funds to help implement activities identified in the WHP Plan.	**H**	**H**	Lake Elmo WHP Team	Staff Time	X	X	X	X	X	X	X	X	X	X
2. Implementation Tracking and Reporting Activities **WHP Measure #27:** Maintain a "WHP folder" that contains documentation of WHP activities you have completed and a date that it was done. Identify each activity with the number of the measure contained in this table.	**H/I**	**H**	Lake Elmo	Staff Time	X	X	X	X	X	X	X	X	X	X
WHP Measure #28: Develop a spreadsheet that coincides with measures found in your plan to track and monitor plan implementation activities and completion dates.	**F/H**	**H**	Lake Elmo	Staff Time	X									
3. WHP Program Evaluation Plan Reporting **WHP Measure #29:** Complete an Evaluation Report every 2.5 years that evaluates the "progress of plan of action and the impact of any contaminant release on the aquifer supplying the public water supply well" MN WHP Rule 4720.5270. Submit copy to MDH in year 7.	**H/I**	**H**	Lake Elmo MDH	Staff Time			X			X			X	
WHP Measure # 30: Summarize WHP Plan implementation efforts in a report to MDH in the 8th year.	**H/I**	**M**	Lake Elmo MDH MRWA	Staff Time								X		

CHAPTER SIX

EVALUATION PROGRAM

Minnesota Rules 4720.5270

The success of the Potential Contaminant Source Management Strategy must be measured regularly to ensure the Plan is meeting the community needs on Wellhead understanding and compliance.

The City of Lake Elmo's WHPAs have been designated as having moderate vulnerability to contamination. The designation of moderate vulnerability requires monitoring of the following potential contaminant sources within the DWSMAs:

a. Above Ground Storage Tanks greater than 1,100 gallons
b. Potential Class V Wells
c. Leaking Underground Storage Tanks
d. Potential Contamination Sites
e. Solid Waste Management Sites
f. Spills
g. Storage or Preparation Areas (Chemicals, Fertilizers, Fuels, Gasses, Oils, Hazardous substances, Solvents and Coatings and Waste
h. Suspected Contaminants of Concern
i. Underground Storage Tanks
j. Wells

A program to ensure this is completed has been documented in Chapters One through Five. In addition to this, to ensure compliance, the City will:

- Track the implementation efforts completed;
- determine the effectiveness of these efforts; and
- identify any implementation changes needed to accomplish the goal of the plan.

To accomplish the above, the following activities will be completed:

1. Changes in land use and other development within the DWSMAs will be monitored.
2. It is recommended that the WHP team meets annually, although at a minimum they will meet every two-and-one-half years and develop a report which assesses the status of plan implementation and to identify issues that impact the implementation of action steps throughout the DWSMA.
3. A written report will be presented to the Lake Elmo City Council every 2.5 years, stating progress in implementation of objectives.

CHAPTER SEVEN

ALTERNATIVE WATER SUPPLY / CONTINGENCY STRATEGY

Minnesota Rules 4720.5280

PURPOSE

The DNR Water Emergency and Conservation Plan approval letter can be found in the ***Appendix*** of this Plan. The purpose of this plan is to establish, provide and keep updated, certain emergency response procedures and information for the City of Lake Elmo which may become vital in the event of a partial or total loss of public water supply services as a result of natural disaster, chemical contamination, or civil disorder of human-caused disruptions.

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Appendix

I – WHPA and DWSMA Delineations and Vulnerability Assessments (Part 1)

II – Part One and Part Two WHPP Scoping Documents

III – Inventory of Potential Contamination Sources and DWSMA parcels

IV – Inner Wellhead Management Zone Potential Contaminant Sources

V – Old Municipal Well Report

VI – DNR Water Conservation and Emergency Plan Approval Letter

VII – Public Utilities and Transportation Map

VIII – Glossary of Terms and Acronyms

IX – Implementation Schedule

X – LGU Comments

Amendment to the Wellhead Protection Plan

Part I

Delineation of Wellhead Protection Area
Drinking Water Supply Management Area Delineation
Well and Drinking Water Supply Management Area Vulnerability Assessments

Prepared for

City of Lake Elmo

January 2017

MDH Minnesota Department of Health

CLEAN WATER LAND & LEGACY AMENDMENT

Amal Djerrari, P.E., Hydrologist
Source Water Protection Unit

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the Laws of the State of Minnesota.

Print Name: Amal Djerrari

Signature:
Date:
License No.: 20369

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Glossary of Terms

Data Element. A specific type of information required by the Minnesota Department of Health to prepare a wellhead protection plan.

Drinking Water Supply Management Area (DWSMA). The area delineated using identifiable landmarks that reflects the scientifically calculated wellhead protection area boundaries as closely as possible (Minnesota Rules, part 4720.5100, subpart 13).

Drinking Water Supply Management Area Vulnerability. An assessment of the likelihood that the aquifer within the DWSMA is subject to impact from land and water uses within the wellhead protection area. It is based upon criteria that are specified under Minnesota Rules, part 4720.5210, subpart 3.

Emergency Response Area (ERA). The part of the wellhead protection area that is defined by a one-year time of travel within the aquifer that is used by the public water supply well (Minnesota Rules, part 4720.5250, subpart 3). It is used to set priorities for managing potential contamination sources within the DWSMA.

Inner Wellhead Management Zone (IWMZ). The land that is within 200 feet of a public water supply well (Minnesota Rules, part 4720.5100, subpart 19). The public water supplier must manage the IWMZ to help protect it from sources of pathogen or chemical contamination that may cause an acute health effect.

Wellhead Protection (WHP). A method of preventing well contamination by effectively managing potential contamination sources in all or a portion of the well's recharge area.

Wellhead Protection Area (WHPA). The surface and subsurface area surrounding a well or well field that supplies a public water system, through which contaminants are likely to move toward and reach the well or well field (Minnesota Statutes, part 103I.005, subdivision 24).

Well Vulnerability. An assessment of the likelihood that a well is at risk to human-caused contamination, either due to its construction or indicated by criteria that are specified under Minnesota Rules, part 4720.5550, subpart 2.

Acronyms

CWI - County Well Index

DNR - Minnesota Department of Natural Resources

EPA - United States Environmental Protection Agency

FSA - Farm Security Administration

MDA - Minnesota Department of Agriculture

MDH - Minnesota Department of Health

MGS - Minnesota Geological Survey

MnDOT - Minnesota Department of Transportation

MnGEO - Minnesota Geospatial Information Office

MODFLOW - Three-Dimensional Finite-Difference Groundwater Model

MPCA - Minnesota Pollution Control Agency

NRCS - Natural Resource Conservation Service

SWCD - Soil and Water Conservation District

UMN - University of Minnesota

USDA - United States Department of Agriculture

USGS - United States Geological Survey

Executive Summary

This report documents the amended delineation of the wellhead protection area (WHPA) and drinking water supply management area (DWSMA) and the vulnerability assessments for the wells and DWSMA for the city of Lake Elmo drinking water supply wells. The delineation was performed in accordance with rules (Minnesota Rules 4720.5100 to 4720.5590) for preparing and implementing wellhead protection measures for public water supply wells. The city's existing Wellhead Protection (WHP) plan, approved in October 2008, is being amended now because the new plan needs to be approved by the time the existing plan expires (i.e. 10-years after it was approved).

A full update is being undertaken to bring the Part 1 plan up to date. The WHPA is the recharge area and represents the area that contributes a 10-year pumping volume to the city's wells. The area represented by a one-year volume is known as the emergency response area, or ERA. The management area that fully envelops the WHPA is called the drinking water supply management area (DWSMA).

The city of Lake Elmo (PWSID 1820009) obtains its drinking water supply from three primary bedrock wells. Well #1 (208448) is a multiple aquifer well completed in the Jordan/Tunnel City – Wonewoc/Mt. Simon Aquifers. Well #2 (603085) is competed in the Prairie du Chien/Jordan Aquifer. Well #4 (768874) is completed in the Jordan Aquifer. The porous-flow portion of the WHPA was delineated by modification of an existing regional MODFLOW model provided by the Metropolitan Council. Geologic and water quality information determine well vulnerability.

Except for Lake Elmo Well #1, which is open to multiple aquifers, the Lake Elmo wells meet construction standards. DWSMA vulnerability is determined by assessing geologic protection and water quality information. Geologic data suggest the presence of continuous geologically protective layers (e.g. clay-rich sediments) throughout the DWSMAs. However, the presence of young water in the aquifer indicates that the clay-rich sediments that overlie the city's aquifers may leak water and contaminants downward within a time span of years to decades. These aquifers are therefore considered to have a moderate vulnerability to contamination.

At present, none of the contaminants of concern for which the Safe Drinking Water Act has established standards is present in the Lake Elmo water supply.

1. Introduction

The Minnesota Department of Health (MDH) developed Part I of the amendment to the wellhead protection (WHP) plan at the request of the city of Lake Elmo (public water supply identification number 1820009). The work was performed in accordance with the Minnesota Wellhead Protection Rule, parts 4720.5100 to 4720.5590. This work represents an amendment to the previous wellhead protection plan for the city of Lake Elmo that was approved in October 2008.

This report presents delineations of the wellhead protection area (WHPA) and drinking water supply management area (DWSMA), and the vulnerability assessments for the public water supply wells and DWSMA. Figure 1 shows the boundaries for the WHPA and the DWSMA. The WHPA is defined by a 10-year time of travel. Figure 1 also shows the emergency response area (ERA), defined by a one-year time of travel. Definitions of rule-specific terms used are provided in the "Glossary of Terms."

In addition, this report also documents the technical information that was required to prepare this portion of the WHP plan in accordance with the Minnesota Wellhead Protection Rule. Additional technical information is available from MDH.

The wells included in the WHP plan are listed in Table 1.

Table 1 - Water Supply Well Information
City of Lake Elmo

Local Well Name	Unique Number	Type	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed	Aquifer	Well Vulnerability
Well #1	208448	Primary	20	280	805	1962	Jordan - Mt. Simon (CJMS)	Vulnerable
Well #2	603085	Primary	24 x 18	182	285	2001	Prairie Du Chien-Jordan (OPCJ)	Vulnerable
Well #3	655910	Emergency (Out Long Term)	30 x 24	281	422	2002	Prairie Du Chien-Jordan (OPCJ)	Non-Vulnerable
Well #4	767874	Primary	24 x 18	211	290	2014	Jordan (CJDN)	Vulnerable

2. Assessment of the Data Elements

MDH staff met with representatives of the public water supplier on November 10, 2015, for a scoping meeting that identified the data elements required to prepare Part I of the WHP plan. Table 2 presents the assessment of these data elements relative to the present and future implications of planning items specified in Minnesota Rules, part 4720.5210.

Table 2 - Assessment of Data Elements

Data Element	Present and Future Implications				Data Source
	Use of the Well s	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	
Precipitation					
Geology					
Maps and geologic descriptions	M	H	H	H	MGS
Subsurface data	M	H	H	H	MGS, MDH, CWI
Borehole geophysics	M	H	H	H	MGS
Surface geophysics	L	L	L	L	Not Available
Maps and soil descriptions					
Eroding lands					
Water Resources					
Watershed units					
List of public waters					
Shoreland classifications					
Wetlands map					
Floodplain map					
Land Use					
Parcel boundaries map	L	H	L	L	Washington County
Political boundaries map	L	L	L	L	
Public Land Survey map	L	H	L	L	MDH
Land use map and inventory					
Comprehensive land use map					
Zoning map					
Public Utility Services					
Transportation routes and corridors					
Storm/sanitary sewers and PWS system map					
Oil and gas pipelines map					
Public drainage systems map/list					
Records of well construction, maintenance, and use	H	H	H	H	Lake Elmo, CWI, MDH
Surface Water Quantity					
Stream flow data					
Ordinary high water mark data					
Permitted withdrawals					
Protected levels/flows					
Water use conflicts					
Groundwater Quantity					
Permitted withdrawals	H	H	H	H	DNR, Lake Elmo
Groundwater use conflicts	L	L	L	L	DNR
Water levels	H	H	H	H	CWI, MDH

Data Element	Present and Future Implications				Data Source
	Use of the Well s	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	
Surface Water Quality					
Stream and lake water quality management classification					
Monitoring data summary					
Groundwater Quality					
Monitoring data	H	H	H	H	MDH
Isotopic data	H	H	H	H	MDH
Tracer studies	H	H	H	H	Not Available
Contamination site data	M	M	M	M	Not Available
Property audit data from contamination sites					
MPCA and MDA spills/release reports					

Definitions Used for Assessing Data Elements:

High (H) - the data element has a direct impact

Moderate (M) - the data element has an indirect or marginal impact

Low (L) - the data element has little if any impact

Shaded - the data element was not required by MDH for preparing the WHP plan

3. General Descriptions

3.1 Description of the Water Supply System

The city of Lake Elmo obtains its drinking water supply from three primary wells. Table 1 summarizes information regarding them.

3.2 Description of the Hydrogeologic Setting

The hydrologic setting for the bedrock aquifers used by the city of Lake Elmo (Prairie du Chien-Jordan Aquifer, Tunnel City - Wonewoc Aquifer, and the Mt. Simon and Hinckley Aquifer) is described in the 2006 WHPA Part 1 (Djerrari, 2006). The description of the hydrogeologic setting at the Lake Elmo wells is presented in Tables 3a through 3.d.

Unconsolidated Quaternary deposits bury the bedrock aquifers used by the city of Lake Elmo wells. These unconsolidated deposits typically consist of a mix of sandy outwash and sandy loamy till deposited during the advance of the Superior lobe (Meyer and others, 1990) and earlier events. They are about 110 feet thick near Lake Elmo Well #2 (603085) but are greater than 250 feet at Lake Elmo Well #1 (208448), which is located over a major north-south trending bedrock valley.

Below the glacial drift lies bedrock, which in this area consists of Paleozoic sedimentary rocks forming part of the Twin Cities structural basin. The Washington County area is on the eastern part of the Twin Cities structural basin, which is located at the northern end of the Hollandale Embayment (Mossler, 1972). The Paleozoic rocks comprising the sedimentary sequence are more than 1000 feet thick in the center of the basin.

The rocks comprising the upper part of this sequence in the northeastern Lake Elmo area are St. Peter Sandstone, the Prairie du Chien Group, the Jordan Sandstone, the Prairie du Chien Group, the St. Lawrence Formation, the Tunnel City Group, the Wonewoc Formation, and the Mt. Simon Sandstone. Locally, the Prairie du Chien Group rests on top of the Jordan Sandstone everywhere except in the north-south trending bedrock valley near Lake Elmo Well #1 (208448), where it has been removed by erosion. The Jordan Sandstone is about 90 feet thick, except in the bedrock valley where its thickness may be diminished by 40 to 50 percent. Each of these units dips slightly towards the center of the Twin Cities Basin (i.e., to the southwest).

The distribution of the aquifer and its stratigraphic relationships with adjacent geologic materials are shown in Appendix A. The cross-sections were prepared using well record data contained in the County Well Index (CWI) database. The geological maps and studies used to further define local hydrogeologic conditions are provided in the “Selected References” section of this report.

Table 3a - Description of the Hydrogeologic Setting
(Prairie du Chien Dolomite)

Aquifer	Attribute	Descriptor	Data Source
Prairie du Chien Dolomite	Aquifer Material	Dolomite	City well logs.
	Primary Porosity	0.056	Estimated and porosity values used in the Metro Model.
	Aquifer Thickness	92 - 147 feet	City well logs.
	Stratigraphic Top Elevation	811 – 856 feet AMSL	City well logs.
	Stratigraphic Bottom Elevation	664 - 740 feet AMSL	City well logs.
	Hydraulic Confinement	Confined	Interpreted from well records found in the CWI database.
	Transmissivity	Reference Value/Range 2,928 ft^2/day 2,722 – 3,150 ft^2/day	The value was obtained by multiplying the estimated hydraulic conductivity values by the aquifer thickness at Lake Elmo Well #2 (i.e., 92 feet).
	Hydraulic Conductivity	Reference Value : 31.7 ft/day 29.5 - 34.2 ft/day	The hydraulic conductivity was estimated from data collected during aquifer testing performed by the city of Oakdale and MDH on Oakdale Municipal Well #5 (127287) on October 15 and 16, 1998, and from the 24-hour tests at OPDC Oakdale Well #5, and CJDN wells Oakdale #9 and #10.
	Groundwater Flow Field	Flow to the southeast	CWI data and Groundwater Model Results (Figure 2a).

Table 3b - Description of the Hydrogeologic Setting

(Jordan Sandstone)

Aquifer	Attribute	Descriptor	Data Source
Jordan Sandstone	Aquifer Material	Sandstone	City well logs.
	Primary Porosity	0.2	Estimated and porosity values used in the Metro Model.
	Aquifer Thickness	44 - 82 ft	City well logs.
	Stratigraphic Top Elevation	664 - 740 feet AMSL	City well logs.
	Stratigraphic Bottom Elevation	582 - 665 feet AMSL	City well logs.
	Hydraulic Confinement	Confined	Interpreted from well records found in the CWI database.
	Transmissivity	Reference Value/Range 2,684 ft^2/day 2,410 – 2,990 ft^2/day	A 24-hour specific capacity test was performed at Lake Elmo Well #2 (603085) on December 7-21, 2007. The analysis was performed by MDH.
	Hydraulic Conductivity (K)	Reference Value : 35.7 ft/day 32.1 - 39.9 ft/day	The value was obtained by dividing the estimated transmissivity by the aquifer thickness at Well #2 (i.e., 75 feet).
	Groundwater Flow Field	Flow to the southeast	CWI data and Groundwater Model Results (Figure 2a).

Table 3c - Description of the Hydrogeologic Setting

(Tunnel City - Wonewoc Sandstone)

Aquifer	Attribute	Descriptor	Data Source
Tunnel City - Wonewoc Sandstones (Formerly the Franconia-Ironton-Galesville Sandstones)	Aquifer Material	Sandstone	City well logs.
	Primary Porosity	0.2	Estimated and porosity values used in the Metro Model.
	Aquifer Thickness	225 feet	City well logs.
	Stratigraphic Top Elevation	422 - 590 feet AMSL	City well logs.
	Stratigraphic Bottom Elevation	266 - 365 feet AMSL	City well logs.
	Hydraulic Confinement	Confined	Interpreted from well records found in the CWI database.
	Transmissivity	Reference Value/Range 360 ft^2/day	The value was obtained by multiplying the estimated hydraulic conductivity by the aquifer thickness at Well #1 (i.e., 225 feet).
	Hydraulic Conductivity (K)	Reference Value : 1.6 ft/day	From specific capacity tests conducted at nearby Tunnel City wells. The Wonewoc Formation is assumed to have the same hydraulic conductivity as the Tunnel City Group.
	Groundwater Flow Field	Flow to the southeast	CWI data and Groundwater Model Results (Figure 2b).

Table 3d - Description of the Hydrogeologic Setting

(Mt. Simon Sandstone)

Aquifer	Attribute	Descriptor	Data Source
Mt. Simon Sandstone	Aquifer Material	Sandstone	City well logs.
	Primary Porosity	0.2	Estimated and porosity values used in the Metro Model.
	Aquifer Thickness	136 ft	City well logs.
	Stratigraphic Top Elevation	266 feet AMSL	City well logs.
	Stratigraphic Bottom Elevation	130 feet AMSL	City well logs.
	Hydraulic Confinement	Confined	Interpreted from well records found in the CWI database.
	Transmissivity	Reference Value/Range 2,750 ft^2/day	The value was obtained by multiplying the estimated hydraulic conductivity by the aquifer thickness at Well #1 (i.e., 136 feet).
	Hydraulic Conductivity (K)	Reference Value: 13.8 ft/day	From Metro Model.
	Groundwater Flow Field	Circular outward flow	Groundwater model predict re-injection of pumped water through the multiple aquifer well (Figure 2c).

4. Delineation of the Wellhead Protection Area

4.1 Delineation Criteria

The boundaries of the WHPA for the city of Lake Elmo are shown in Figure 1. Table 4 describes how the delineation criteria specified under Minnesota Rules, part 4720.5510, were addressed.

Information provided by the city of Lake Elmo was used to identify the maximum volume of water pumped annually by each well over the previous five-year period, as shown in Table 5. Previous pumping values have been reported to the DNR, as required by Groundwater Appropriations Permit 1961-1031. The estimated pumping for the next five years is also shown. The maximum daily volume of discharge, used as an input parameter in the groundwater model, was calculated by dividing the greatest annual pumping volume by 365 days.

Table 4 - Description of WHPA Delineation Criteria

Criterion	Descriptor	How the Criterion was Addressed
Flow Boundary	Head specified boundary conditions at the edge of the model, from Metro Model 3.	The model is a telescopic model, derived from Metro Model 3. The lakes and river within the telescopic model were remapped to the new grid, using GMS conceptual approach. Lakes and rivers were specified as River boundary conditions.
Flow Boundary	Other High-Capacity Wells (Table 6)	The pumping amounts were determined based on the averaged 2009 - 2013 pumping volumes. The pumping amounts of these high-capacity wells were included in the methods used for the delineation. In addition, other high capacity wells located beyond the two-mile radius were included in the model.
Daily Volume of Water Pumped	See Table 5	Pumping information was obtained from the DNR Groundwater Appropriations Permit 1961-1031 and from the public water supply system. The annual pumped volumes were converted to a daily volume pumped by the well.
Groundwater Flow Field	See Figure 2	The model calibration process addressed the relationship between the calculated versus observed groundwater flow field.
Aquifer Hydraulic Conductivity	Reference Value: OPDC: 31.7 ft/day CJDN: 35.7 ft/day CTC/CWOC: 1.6 ft/day CMS: 13.8 ft/day	See Tables 3a through 3d.
Time of Travel	10 years	The public water supplier selected a 10-year time of travel.

Table 5 - Annual Volume of Water Discharged from Water Supply Wells

Well Name	Unique Number	Type	Total Annual Withdrawal (gal/year) Permit Number: 1961-1031					Maximum Withdrawal 2010 - 2014 (gallons/year)	Projected 2020 Withdrawal (gallons/year)	Pumping Rate used in WHPA Delineation (m3/day)
			2,010	2,011	2,012	2013	2014			
Well #1	**208448**	**Primary**	22,600,000	23,000,000	**25,900,000**	24,900,000	24,800,000	**25,900,000**	25,000,000	268.4
Well #2	**603085**	**Primary**	80,400,000	89,200,000	**139,200,000**	104,000,000	86,900,000	**139,200,000**	94,743,000	1442.7
Well #4	**767874**	**Primary**	NA	NA	NA	NA	NA	NA	94,743,000	981.9
Totals			103,000,000	112,200,000	165,100,000	128,900,000	111,700,000	165,100,000	259,843,000	2693.0

Source: The DNR State Water Use Database System (SWUDS), Permit Number 1961-1031.

Table 6 - Other Permitted High-Capacity Wells within Two Miles

Unique Number	Well Name	DNR Permit Number	Aquifer	Use	Annual Volume of Water Pumped* ▲	Daily Volume (cubic meters)
580338	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDNCSTL	Municipal/Public Water Supply	344.0	3,567.0
563000	Woodbury, City Of	1969-0215	CJDN	Municipal/Public Water Supply	125.420	1,301.0
127284	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDNCSTL	Municipal/Public Water Supply	35.494	368.0
686297	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDN	Municipal/Public Water Supply	29.388	305.0
208515	Mogrow Inc dba Indian Hills Golf Club	1987-6207	OPDC	Golf Course Irrigation; Private Water Supply	24.176	251.0
	3M Club Of St Paul Inc: WET18	2002-6083		Golf Course Irrigation; Golf Course Irrigation	23.905	248.0
481662	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDNCSTL	Municipal/Public Water Supply	23.070	239.0
515171	Applewood Hills Golf Course	2005-3012	OPDC	Golf Course Irrigation	19.030	197.0
233565	3M Club Of St Paul Inc	1960-0671	OPCJ	Golf Course Irrigation; Commercial/Institutional Water Supply	16.753	174.0
712467	Boutwells Landing/Presbyterian Homes	2005-3060	CJDN	Landscaping/Athletic Field Irrigation; Basin (Lake) Level Maintenance	8.421	87.0
224608	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDN	Municipal/Public Water Supply	7.403	77.0
757612	MN Pollution Control Agency - St Paul	2008-0321	QBAA	Pollution Containment	6.600	68.0
482704	Stillwater Area Public Schools	1994-6018	CJDN	Landscaping/Athletic Field Irrigation	5.083	53.0
208460	3M Club Of St Paul Inc	1960-0671	OPCJ	Golf Course Irrigation; Commercial/Institutional Water Supply	4.596	48.0
757611	MN Pollution Control Agency - St Paul	2008-0321	QBAA	Pollution Containment	3.915	41.0
403985	Washington County Parks & Rec Dept	1986-6261	OPDC	Campground/Wayside/Highway Rest Area Water Supply	3.868	40.0
127275	Intrepid Holdings, LLP	1977-6171	OPVL	Basin (Lake) Level Maintenance; Landscaping/Athletic Field Irrigation	3.482	36.0
463534	Oakdale, City of - Public Works Dept	1978-6197	CJDNCSTL	Municipal/Public Water Supply	3.170	33.0
	Oak Marsh Ltd Partnership: 2	1996-6085		Golf Course Irrigation	1.671	17.0
570405	Oak Marsh Ltd Partnership	1996-6085	OPCJ	Golf Course Irrigation	1.581	16.0
208461	3M Club Of St Paul Inc	1960-0671	CJDN	Golf Course Irrigation; Commercial/Institutional Water Supply	0.202	2.0
730015	MN Pollution Control Agency - St Paul	2008-0321	QBAA	Pollution Containment	0.0004	0.0

* = Expressed as millions of gallons. Source year = 2014.

Source: MN Dep't. of Natural Resources Division of Waters - MNDNR Permitting and Reporting System (MPARS)

GIS Data Source: swp.mpars_ii_2014

4.2 Method Used to Delineate the Wellhead Protection Area

The WHPAs shown in Figure 1 are composites of all the areas identified using methods described in this report that potentially contribute recharge to the aquifers used by the city wells within a 10-year time of travel. These delineations were completed using a local model derived from an existing regional MODFLOW Model, MetroModel 3.0, provided by the Metropolitan Council (Met Council, 2009). MODFLOW is a 3D, cell-centered, finite difference, saturated flow model developed by the USGS (Harbaugh et al., 2005).

The model is based on the fundamental assumption that simulated aquifers behave as porous media. Flow in the Prairie du Chien Group could be dominated by secondary porosity, owing to the occurrence of fractures, joints, and solution cavities, especially in shallow bedrock settings. For this reason, fracture flow delineation was also utilized.

4.2.1. Porous Media Approach Delineation

The regional MetroModel consists of nine layers that represent the major aquifers and aquitards within the seven-county metropolitan area. These layers represent, from top to bottom, the following units: (1) Surficial aquifer of glacial deposits; (2) St. Peter Sandstone or Quaternary Buried Artesian Aquifer; (3) Prairie du Chien Group; (4) Jordan Sandstone; (5) St. Lawrence Formation (aquitard); 6) Tunnel City Group (formerly the Franconia Formation); (7) Wonewoc Formation (formerly the Ironton-Galesville), (8) Eau Claire Formation (aquitard); and (9) Mt. Simon Sandstone. The regional groundwater model was calibrated to steady-state water levels and river base flows.

A local-scale model, limited to an area around Lake Elmo, was extracted from the regional seven-county model. The local model and all of the modeling for this amendment was completed using GMS (Aquaveo, 2016), a pre- and post- processor for MODFLOW.

The local model domain has 413 rows, 252 columns, and nine layers. The heads computed from the regional model provided the boundary conditions along the edge of the local model as specified heads. The details of the MetroModel were translated to the local-scale model using GMS. The grid is refined around the city wells, with a grid spacing ranging from 10m at the wells to 125m away from the wells. This refinement was required for an accurate computation of the particle flow paths for determining the WHPA delineation.

Prior to their use in the delineations, the following modifications were incorporated in the refined models:

- Local areas of modified horizontal conductivity was included in the model to reflect the aquifer properties in the Lake Elmo area in the Prairie du Chien Group, the Jordan Sandstone, the Tunnel City Group, the Wonewoc Formation, and the Mt. Simon Sandstone.
- The pumping rates from Table 5 were assigned to Lake Elmo wells.
- The pumping rates from Table 6 were assigned to the permitted high-capacity wells located within two-miles of the city wells.

The delineation was performed by backtracking particles from the wells to a 10-year time of travel using the particle tracking MODPATH Code (Pollock, 1994). A series of 50 particles were launched at the wells in each layer in which the wells are open. A porosity of 0.056 was used for Prairie du Chien. A porosity of 0.20 was used for the Jordan, Tunnel City - Wonewoc and the Mt. Simon Sandstones.

4.2.2. Fractured Rock Approach Delineation

The secondary porosity features that dominate the porosity of the Prairie du Chien Group require additional analysis as part of the WHPA delineation. The MDH guidance was used to make the fracture flow WHPA assessment (MDH, 2012).

Well #2 (603085) is completed in both the Prairie du Chien Group and the Jordan Sandstone. In accordance with the guidance, Delineation Technique 3, a calculated fixed radius (CFR) with an up-gradient extension was used to make the supplemental fracture flow analysis (MDH, 2012). The hydraulic gradient in the Prairie du Chien Group near Well #2 (603085) is greater than 0.001 (i.e., 0.003 feet/foot, Figure 2). The pumping rate in the Prairie du Chien was computed by the Multi Node Well package. It is estimated that 60 percent of the volume pumped at Well #2 (603085) comes from the Prairie du Chien Group. This flow value was used in the computation of the CFR and its upgradient extension.

Well #4 (767874) is completed only in the Jordan Sandstone. Delineation Technique 4, a CFR with an up-gradient extension was used to delineate the fracture flow component of the WHPA. The porous media model estimated that 90 percent of the pumped volume at Well #4 (767874) comes from the Prairie du Chien Group. All 100 percent of the volume pumped at Well #4 (767874) was used in the computation of the CFR and its upgradient extension.

The parameters used in the determination of the fracture flow delineation are given in Table B-1 in Appendix B.

The fracture flow delineation is shown in Figure 4. This delineation is very different from that obtained in 2006 for three reasons: 1) the flow pumped from the Prairie du Chien has increased by a factor of three; 2) the fracture flow delineation in 2006 used the whole Prairie du Chien thickness instead of the portion of the formation to which the well is open; and 3) the new methodology calls for using a five-year volume pumped for the CFR and a five-year for the extension (the old methodology used a 10-year volume for each). As a result of all these changes, the new fracture flow delineation is three times larger than that computed in 2006.

4.3 Results of Model Calibration and Sensitivity Analysis

Model quality is commonly evaluated by three different measures: calibration, sensitivity, and uncertainty analyses. Model calibration is a procedure that compares the results of a model based on estimated input values to measured or “known” values. This procedure is used to define model validity over a range of input values. The result of calibration is an assessment of the general quality of the model and the confidence that may be placed in the model results. As a matter of practice, groundwater flow models usually are calibrated using groundwater elevation and flow (if available). Sensitivity analysis quantifies the differences in model results produced by the natural variability of a particular parameter. Uncertainty analysis addresses the effects of poor data quality (lack of local detailed information or deficiencies in the data) on the model results. Together, sensitivity and uncertainty analyses are commonly used to evaluate the effects that natural variability and uncertainties in the hydrogeologic data have on the size and shape of the capture zones. In regards to the WHPA delineation, these analyses are used to document that the delineation is optimal, conservative, and protective of public health based on existing information.

4.3.1. Calibration

MetroModel 3 was calibrated to static and transient water level targets from DNR, MPCA, MDH, MGS, and USGS databases, base flows values from USGS and Met Council flow data, and aquifer transmissivity values determined from large-scale pumping tests, and compiled by MGS. The MODFLOW model was calibrated through a series of automated inverse optimization procedures using the model-independent parameter estimating software BEOPEST.

The local refined model was verified for selected observation wells completed in the Prairie du Chien/Jordan and Tunnel City/Wonewoc Aquifers. The standard deviation of the model prediction errors represented less than nine percent of the total change in the measured heads across the model domain, which is within an acceptable range for a calibrated model.

4.3.2. Sensitivity Analysis

Sensitivity is the amount of change in model results caused by the variation of a particular input parameter. Because of the relative simplicity of the model, the direction and extent of the modeled capture zone may be very sensitive to any of the input parameters:

The **pumping rate** directly affects the volume of the aquifer that contributes water to the well. An increase in pumping rate leads to an equivalent increase in the volume of aquifer and an expanded capture zone, proportional to the porosity of the aquifer materials.

Results - The pumping rate defined by WHP rule requirements is the highest rate that can be expected under normal water demand. Therefore, with respect to the delineation of the WHPA, the sensitivity of the capture zone to variations in the pumping rate is minimized.

The **direction of groundwater flow** determines the orientation of the capture zone. Variations in the direction of groundwater flow will not affect the size of the capture zone but are important for defining the areas that are contributing water to the well.

Results - The ambient groundwater flow fields that are defined in Figures 2a though 2c provide the basis for determining the extent to which each model run reflects the conceptual understanding of the orientation of the capture area for a well. The regional model has been calibrated to hydraulic heads, and the local refined model calibration was verified for heads measured in observation wells completed in the Prairie du Chien/Jordan and in the Tunnel City - Wonewoc Aquifer, to which the city wells are open. The sensitivity of the WHPA to the direction of groundwater flow should not be significant, given the current knowledge of hydraulic head distribution in the aquifer.

The **hydraulic gradient** (along with aquifer transmissivity) determines the rate at which water moves through the aquifer materials.

Results - The regional model has been calibrated to hydraulic heads. The local refined model calibration was verified in the aquifer of interest. The sensitivity of the WHPA to the direction of groundwater flow should not be significant, given the current knowledge of hydraulic head distribution in the aquifer.

The **horizontal hydraulic conductivity** influences the size and shape of the capture zone. In the base-case scenario, the hydraulic conductivity of the Prairie du Chien – Jordan Aquifer was estimated from a 24-hour specific capacity tests at Oakdale Wells 5, 9, and 10. The hydraulic conductivity of the Tunnel City - Wonewoc Aquifer was estimated from specific capacity tests at nearby Tunnel City wells. No pump test was conducted at the Lake Elmo wells. Therefore, there

is uncertainty on the actual hydraulic conductivity of the formation. To account for this uncertainty, two additional model runs were performed for a range of transmissivity obtained by adding/subtracting 50 percent to the hydraulic conductivity used in the base case scenario.

Results – An increase in hydraulic conductivity slightly elongates and increases the size of the capture zone (Figure 3). The reverse effect is observed when reducing the hydraulic conductivity.

The aquifer **thickness** and **porosity** influence the size and shape of the capture zone.

Results - Decreasing either thickness or porosity causes a linear, proportional increase in the areal extent of the capture zone.

The wellhead protection areas for the Lake Elmo wells in Figure 1 consists of a composite of the porous media aquifer delineations for the different input parameters used in the sensitivity analysis, and the fracture flow delineation. The input files for all models are available upon request at MDH.

4.4 Addressing Model Uncertainty

Using computer models to simulate groundwater flow involves representing a complicated natural system in a simplified manner. Local geologic conditions may vary within the capture area of the Lake Elmo wells, but existing information is not sufficiently detailed to define this degree of variability. In addition, the available groundwater flow modeling techniques may not represent the natural flow system exactly, however, the results are valid within a range defined by the reasonable variation of input parameters.

Traditional numerical groundwater models were used to delineate the capture zone for the porous media aquifer that contributes water to the public water supply well. The steps employed for this delineation to address model uncertainty were:

- Pumping Rate - For the well, a maximum historical (five-year) pumping rate or an engineering estimate of future pumping, whichever is greater (Minnesota Rules, part 4720.5510, subpart 4).
- Horizontal hydraulic conductivity - The WHPA for the Lake Elmo wells consists of a composite of the porous media aquifer delineations for the different input parameters used in the sensitivity analysis.

The WHPAs for the city's wells consist of a composite of the porous media aquifer delineations for the different input parameters used in the sensitivity analysis and the fractured rock delineation. This provides a conservative approach to addressing model uncertainty and produces a WHPA that will likely be most protective of public health.

4.5 Conjunctive Delineation

The 2006 DWSMA vulnerability assessment included area of high vulnerability where a surface water features (a pond) was present within Well #2's capture zone, northwest of the well. It was recommended to further investigate the potential connection between the pond and the water pumped by Lake Elmo Well #2.

Samples from the well and the pond were collected in May 2009 and analyzed for stable isotopes. Well #2 aligned with the Meteoric line and did not show any surface water signature (Figure C-1, Appendix C). Therefore, no conjunctive delineation was included in the WHPA.

.

5. Delineation of the Drinking Water Supply Management Area

The boundaries of the DWSMA were defined by the public water supplier using the following features (Figure 1):

- Property or fence lines
- Roads
- Public Land Survey coordinates

6. Vulnerability Assessments

The Part I wellhead protection plan includes the vulnerability assessments for the public water supply wells and DWSMA. These vulnerability assessments are used to help define potential contamination sources within the DWSMA and to select appropriate measures for reducing the risk they present to the public water supply.

6.1 Assessment of Well Vulnerability

MDH has developed a database of community and non-community and non-transient public water supply wells in Minnesota that stores information pertinent to well vulnerability and rates the vulnerability of individual wells. A score is calculated for each well based on factors such as well construction, geology at the well site and chemical data. A higher score correlates to a greater perceived vulnerability. A numeric cutoff is used to identify vulnerable from non-vulnerable wells (MDH, 1997). Vulnerable wells are also identified based on the presence of contamination, such as nitrate-nitrogen in excess of 10 mg/l, or young (post-1953) water, as indicated by the presence of 1 tritium unit or greater in the well water. The results of this assessment for city wells are described below.

The vulnerability assessment for each well used by the city of Lake Elmo is listed in Table 1. All Lake Elmo primary wells are vulnerable. This assessment is based upon the following conditions:

1) Well construction for Lake Elmo Wells 2 (603085) and 4 (767874) meets current Minnesota Water Well Construction Code specifications (Minnesota Rules, part 4725). Therefore these wells do not themselves provide a pathway for contaminants to enter the aquifer used by the public water supplier. Lake Elmo Well #1 (208448) is open to multiple aquifers and therefore does not meet the current Minnesota Water Well Construction Code.
2) The geologic conditions at the wells include a cover of clay-rich geologic materials over the aquifer that is sufficient to retard the vertical movement of contaminants at the well location. However, this clay-rich geologic material may not be present upgradient of the wells.
3) Water samples collected in May 2009 from Well #1 (208448) and Well #2 (603085) were tested for tritium. Tritium was detected in both samples (at 2.8 TU in Well #1 and 5.4 TU in Well #2).

6.2 Assessment of the Drinking Water Supply Management Area Vulnerability

In the proposed DWSMA, the groundwater that supplies the city of Lake Elmo's wells is from the Prairie du Chien-Jordan Aquifer, Tunnel City - Wonewoc Aquifer, and the Mt. Simon Aquifers. All are overlain by significant glacial deposits consisting of till, sands, and gravels.

A Level-3 assessment was conducted for all CWI wells located in the vicinity of the DWSMA delineation. The geologic sensitivity "L-scores" were calculated by MDH using a Geographic Information System tool that utilizes lithology information from the MN CWI. Figure 5 illustrates the geologic sensitivity for the DWSMA as determined by mapping L-scores from the 275 well logs across the DWSMA. Geologic sensitivity near the city wells ranges from low near Well #2, to moderate near Wells 1 and 4. Since tritium has been detected above 1 T.U, the low vulnerability rating in the DWSMA was increased by one category. The vulnerability is therefore moderate throughout the whole DWSMA (Figure 6).

7. Recommendations

MDH provides the following recommendations which may support better understanding the hydrogeologic conditions of the source aquifers during future refinements of the WHPA:

- Obtain more area-specific hydraulic conductivity data in the area of the city wells to reduce model uncertainty and potentially to size of the capture zones and DWSMA. This can be completed by conducting additional pumping tests on the city wells during the maintenance or by gathering pumping tests conducted on newly installed high capacity wells. Responsibilities: the city of Lake Elmo staff; MDH can help identify if additional pumping tests were conducted on newly installed high capacity wells.

- Collect groundwater samples from Wells 1, 2, and 4 for analysis of chloride, bromide, sulfate, nitrate + nitrite as N, ammonia, and tritium. Timeframe: between year five and year seven. Responsibilities: the city of Lake Elmo staff to schedule with MDH; contingent on funding assistance from MDH for sample collection and analysis done by MDH. The city may need to collect the samples and ship them to MDH.

- Continue collecting groundwater samples for analysis of regulated contaminants and provide the data to MDH. Responsibilities: MDH staff to schedule with the city of Lake Elmo staff; sample collection and analysis done by MDH.

8. Selected References

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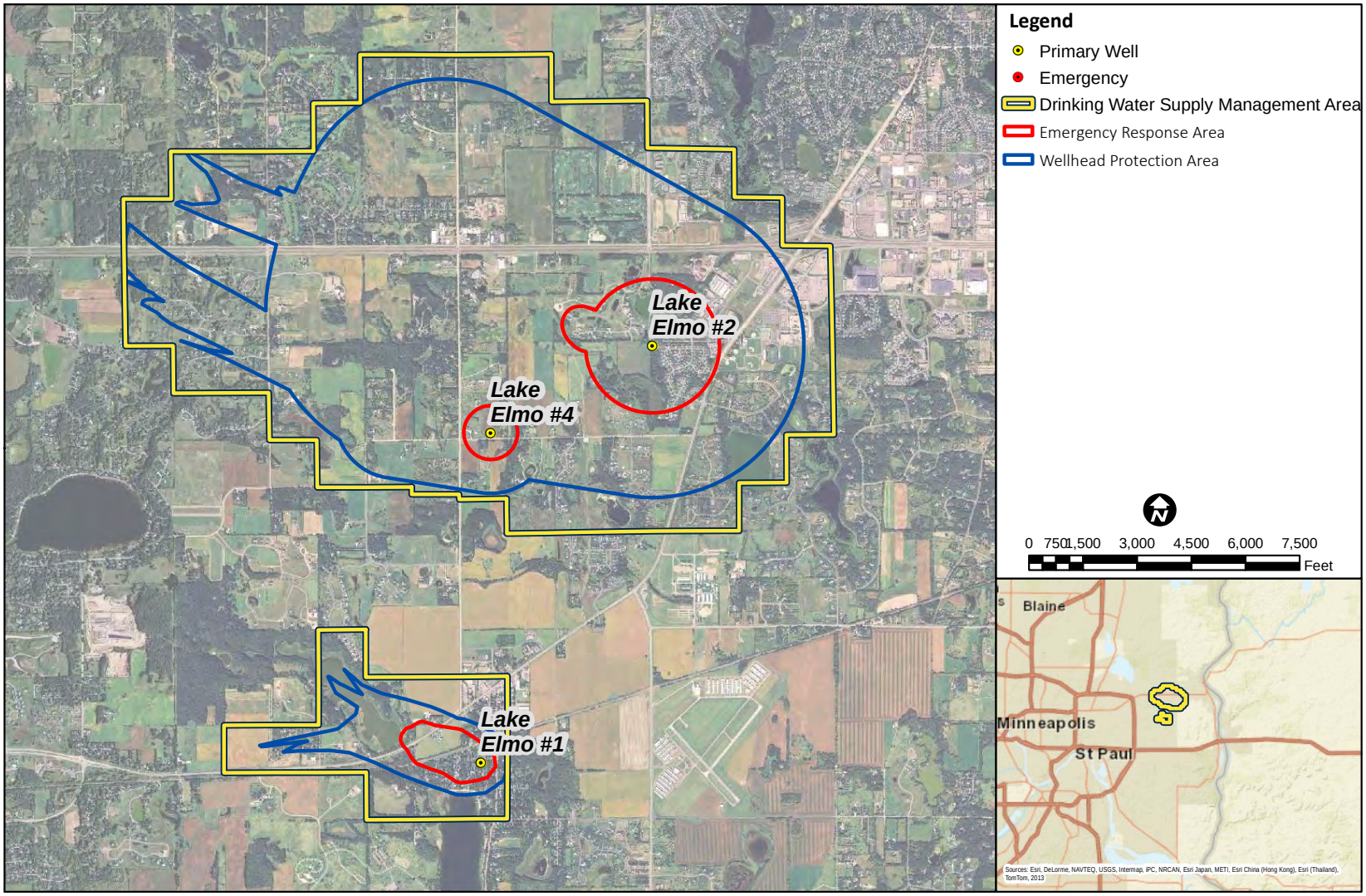
Figures

Washington County
Minnesota

Figure 1
Wellhead Protection and Drinking Water Supply Management Area
City of Lake Elmo

MDH Minnesota Department of Health

CLEAN WATER LAND & LEGACY AMENDMENT

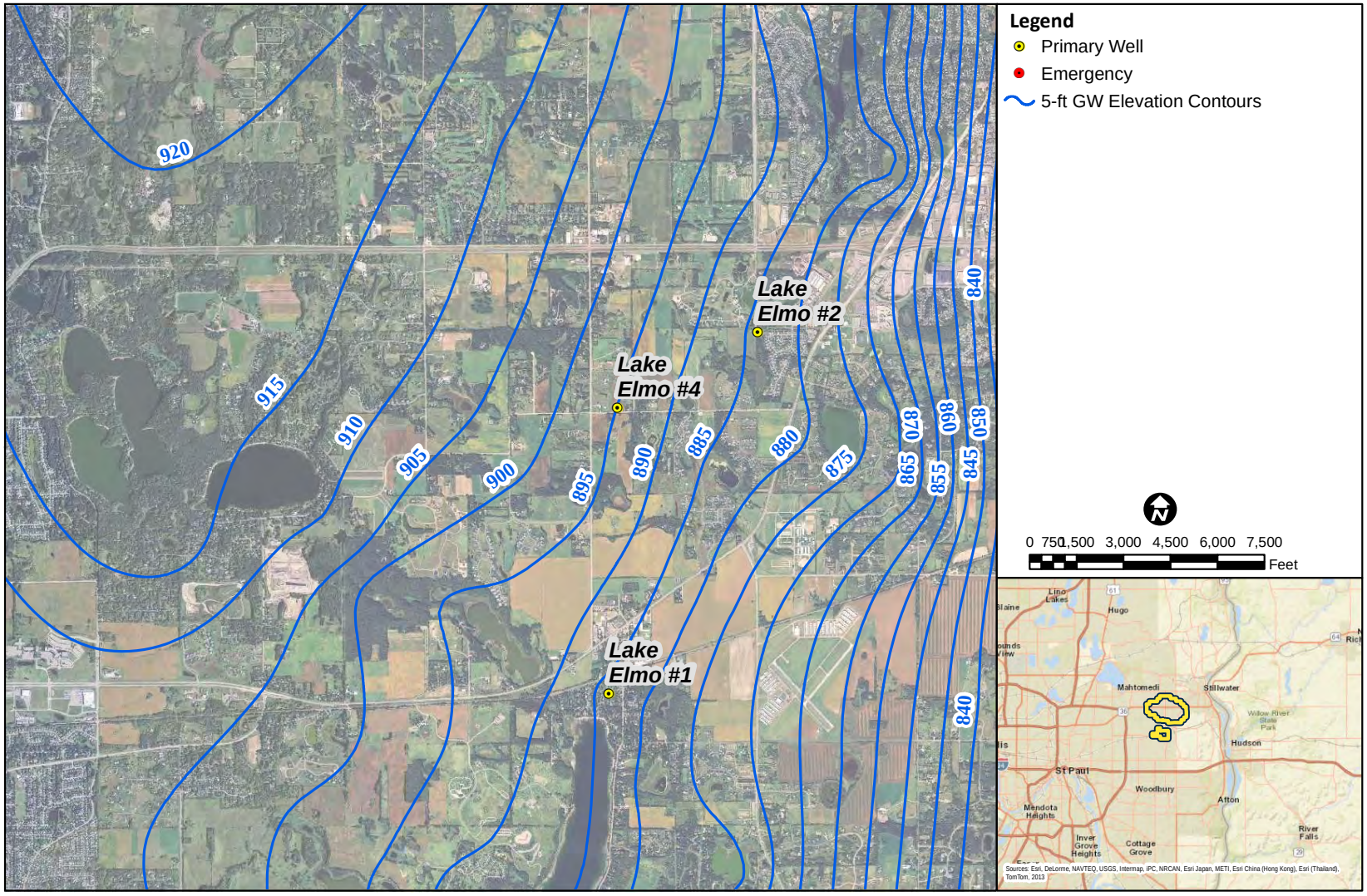


Washington County
Minnesota

Figure 2a
Modeled Groundwater Flow Field
Prairie du Chien - Jordan Aquifer
City of Lake Elmo

MDH Minnesota Department *of* Health

CLEAN WATER LAND & LEGACY AMENDMENT

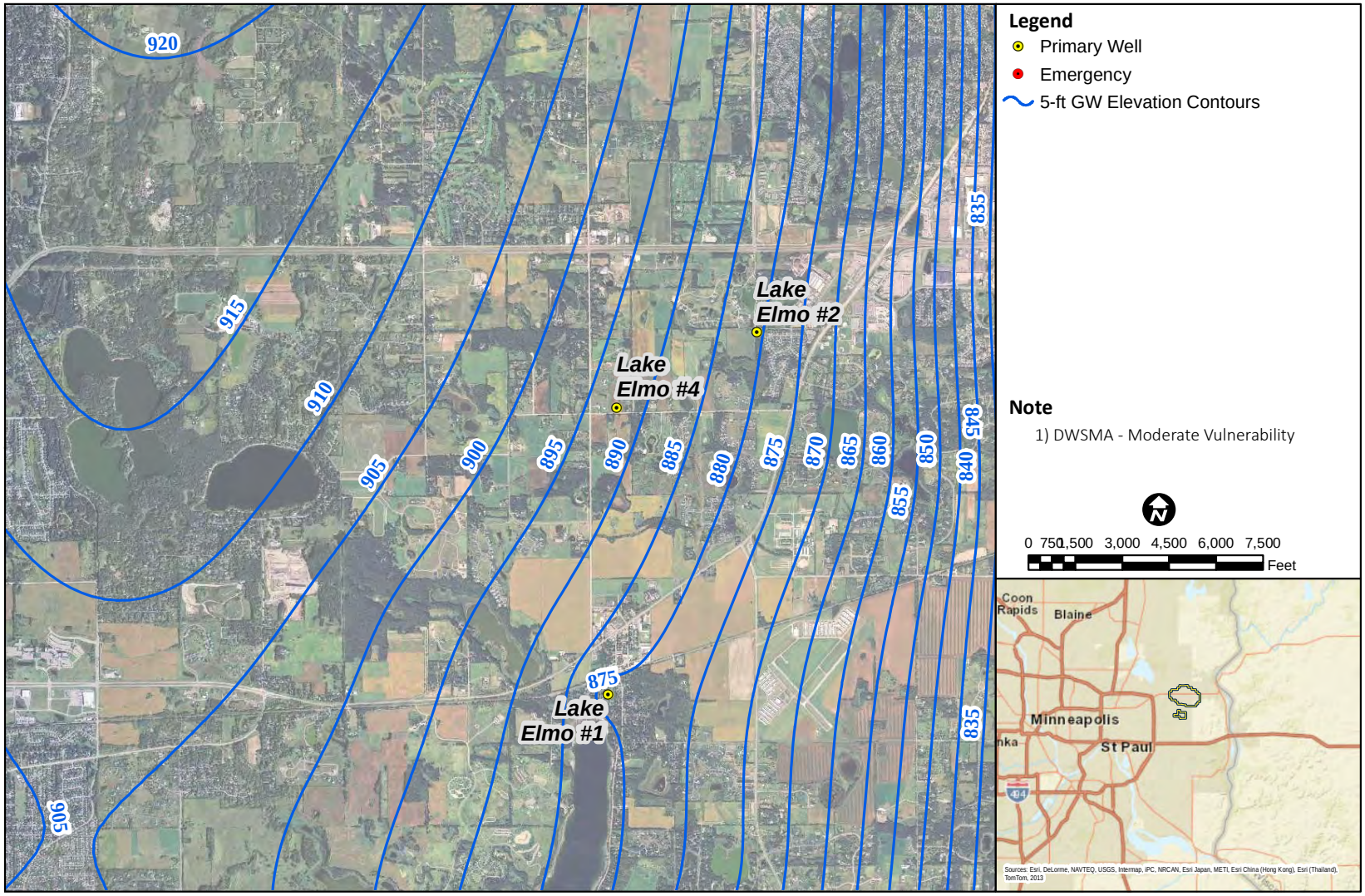


Washington County
Minnesota

Figure 2b
Modeled Groundwater Flow Field
Tunnel City - Wonewoc Aquifer
City of Lake Elmo

MDH Minnesota Department of Health

CLEAN WATER LAND & LEGACY AMENDMENT

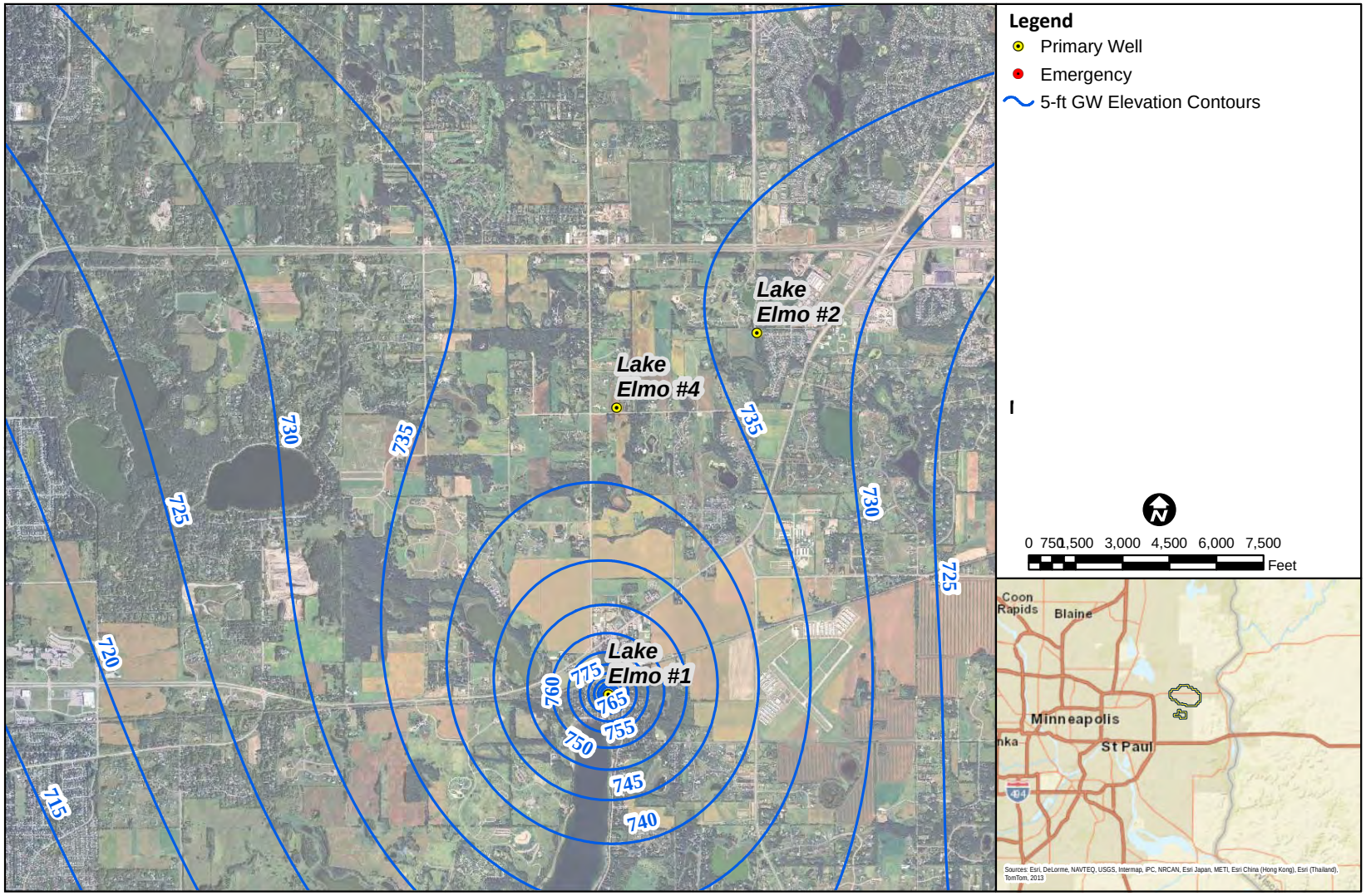


Washington County
Minnesota

Figure 2c
Modeled Groundwater Flow Field
Mt Simon Aquifer
City of Lake Elmo

MDH Minnesota Department of Health

CLEAN WATER LAND & LEGACY AMENDMENT

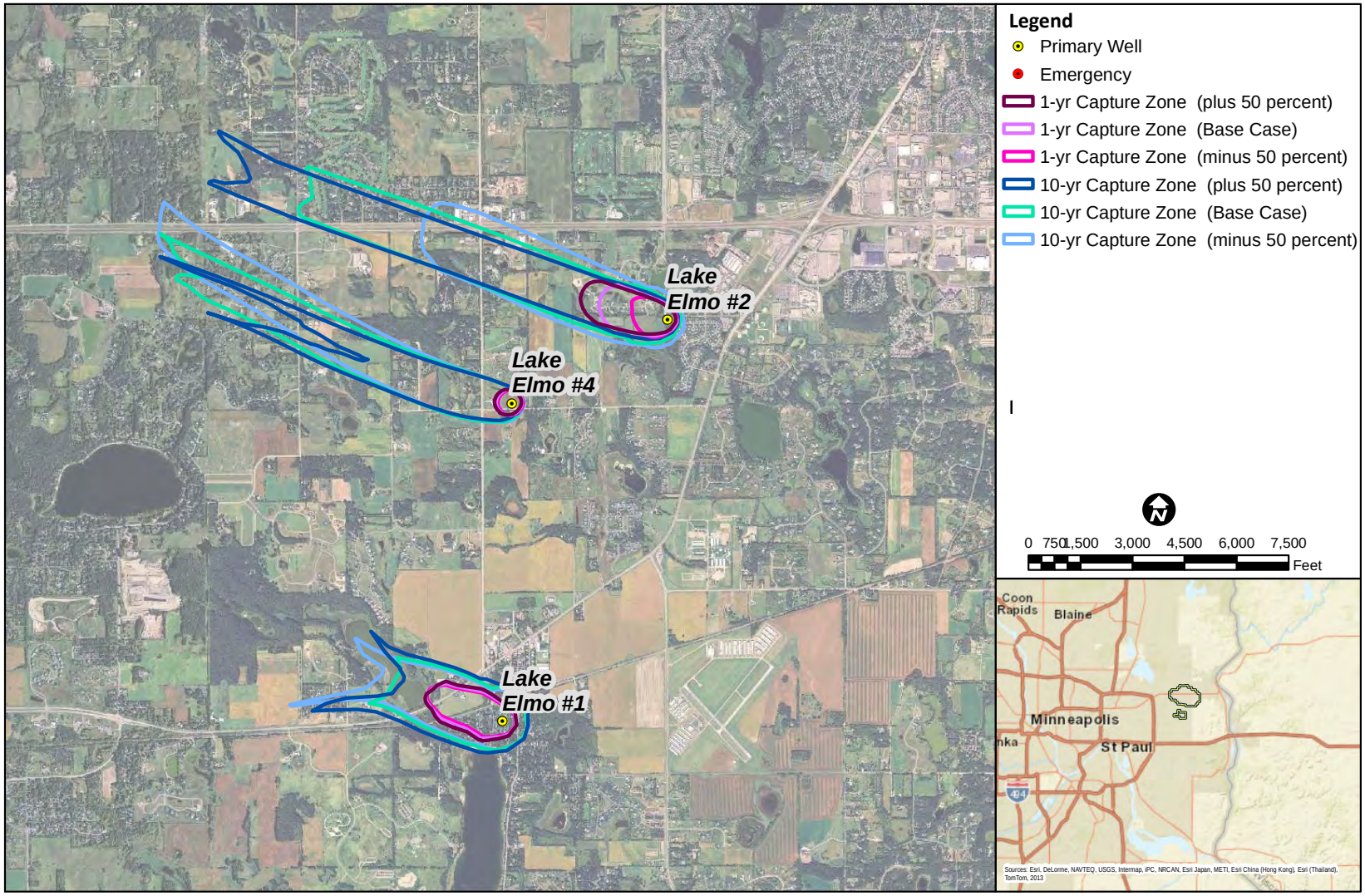


Washington County
Minnesota

Figure 3
Sensitivity of the Capture Zone to Kh and Kv
City of Lake Elmo

MDH Minnesota Department of Health

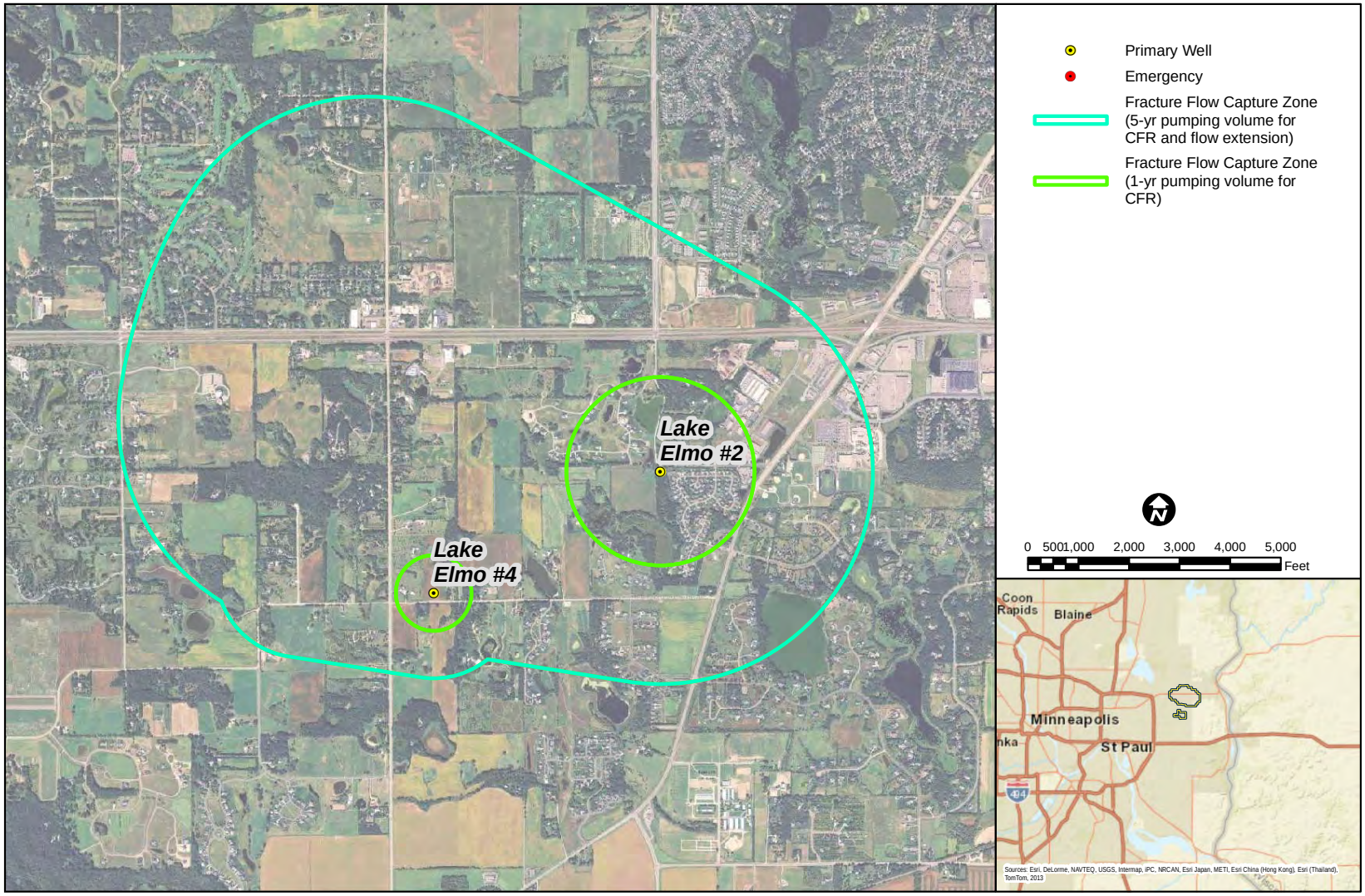
CLEAN WATER LAND & LEGACY AMENDMENT



Washington County
Minnesota

Figure 4
Fracture Flow Delineation
City of Lake Elmo

Minnesota Department of Health

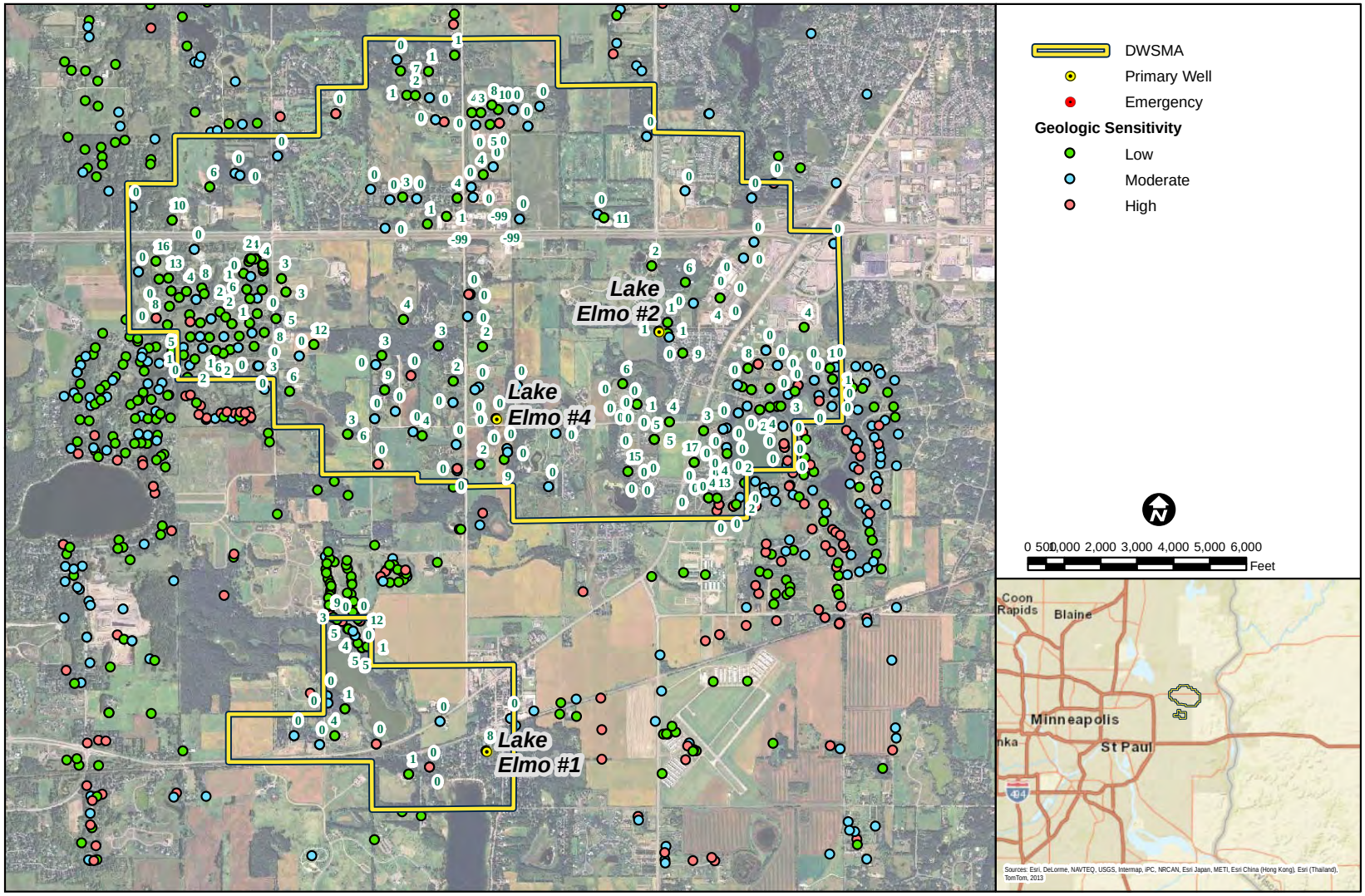


Washington County
Minnesota

Figure 5
Geologic Sensitivity within the DWSMA
City of Lake Elmo

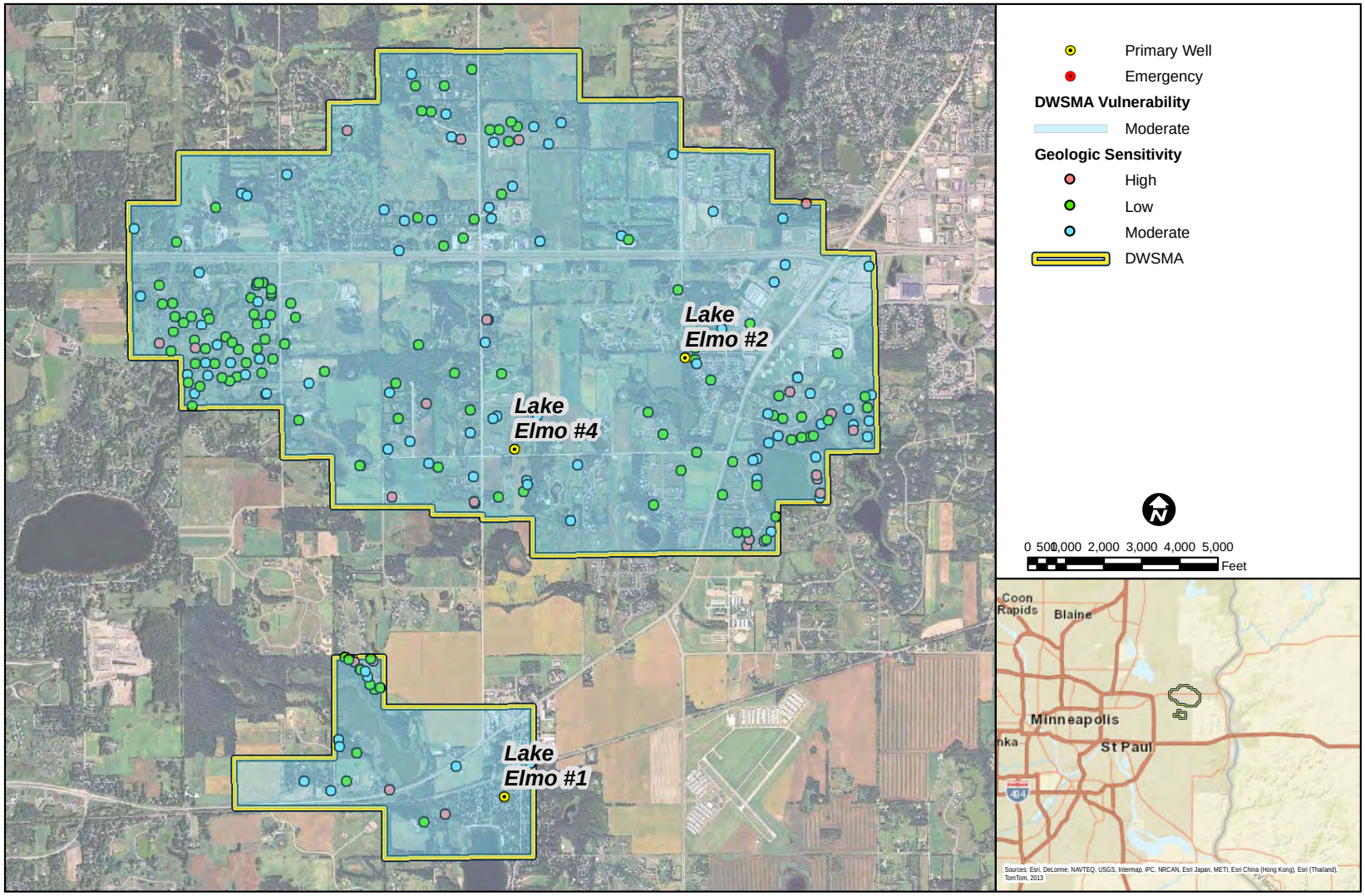
MDH Minnesota Department of Health

CLEAN WATER LAND & LEGACY AMENDMENT



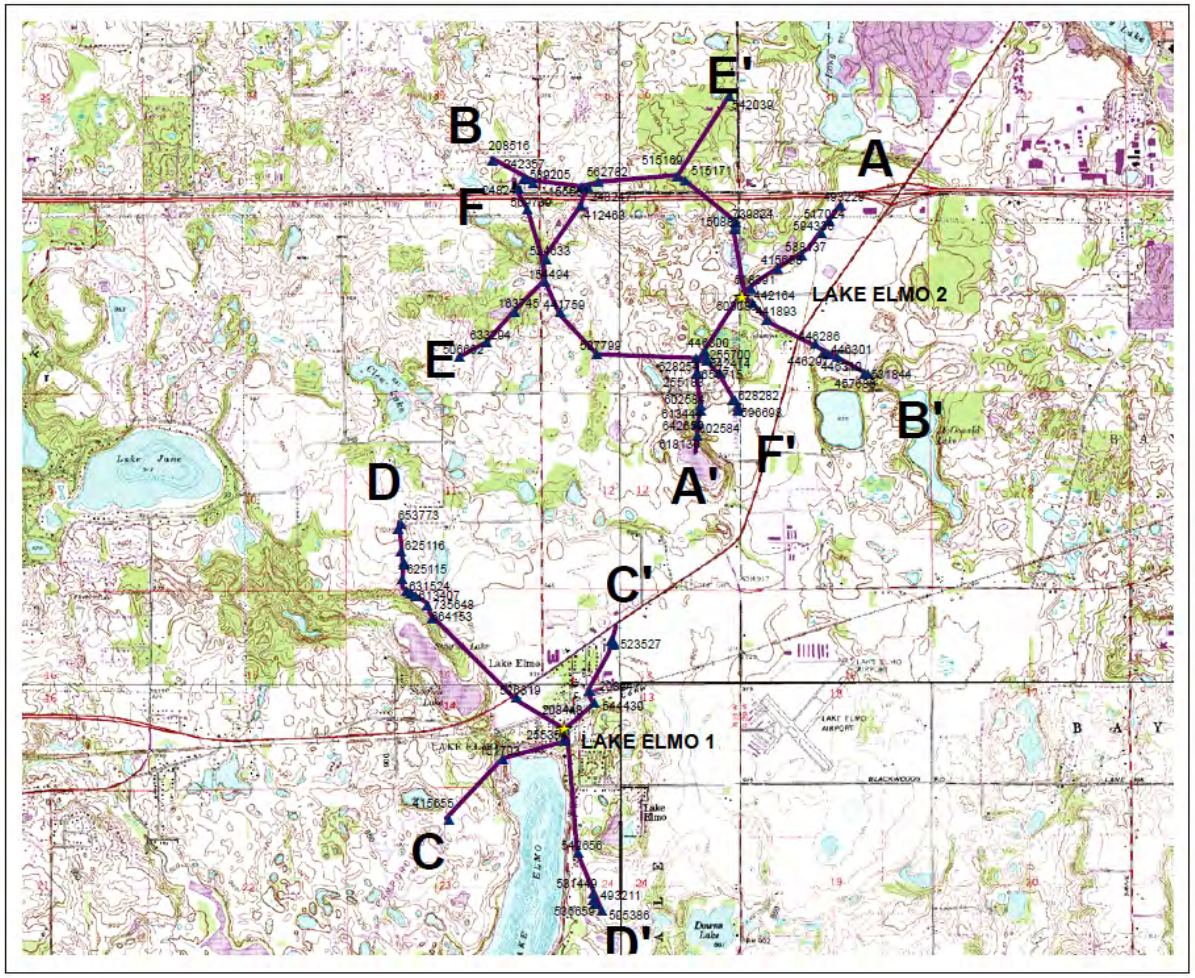
Washington County
Minnesota

Figure 6
DWSMA Vulnerability
City of Lake Elmo



Appendix A

Geologic Cross-sections from 2006 WHPA Part 1 Report



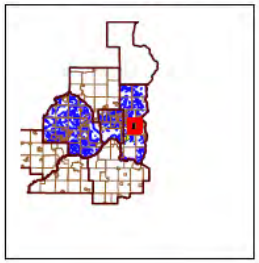
View: Cross-Section Locations

- City of Lake Elmo Wells

Geologic Cross-Sections

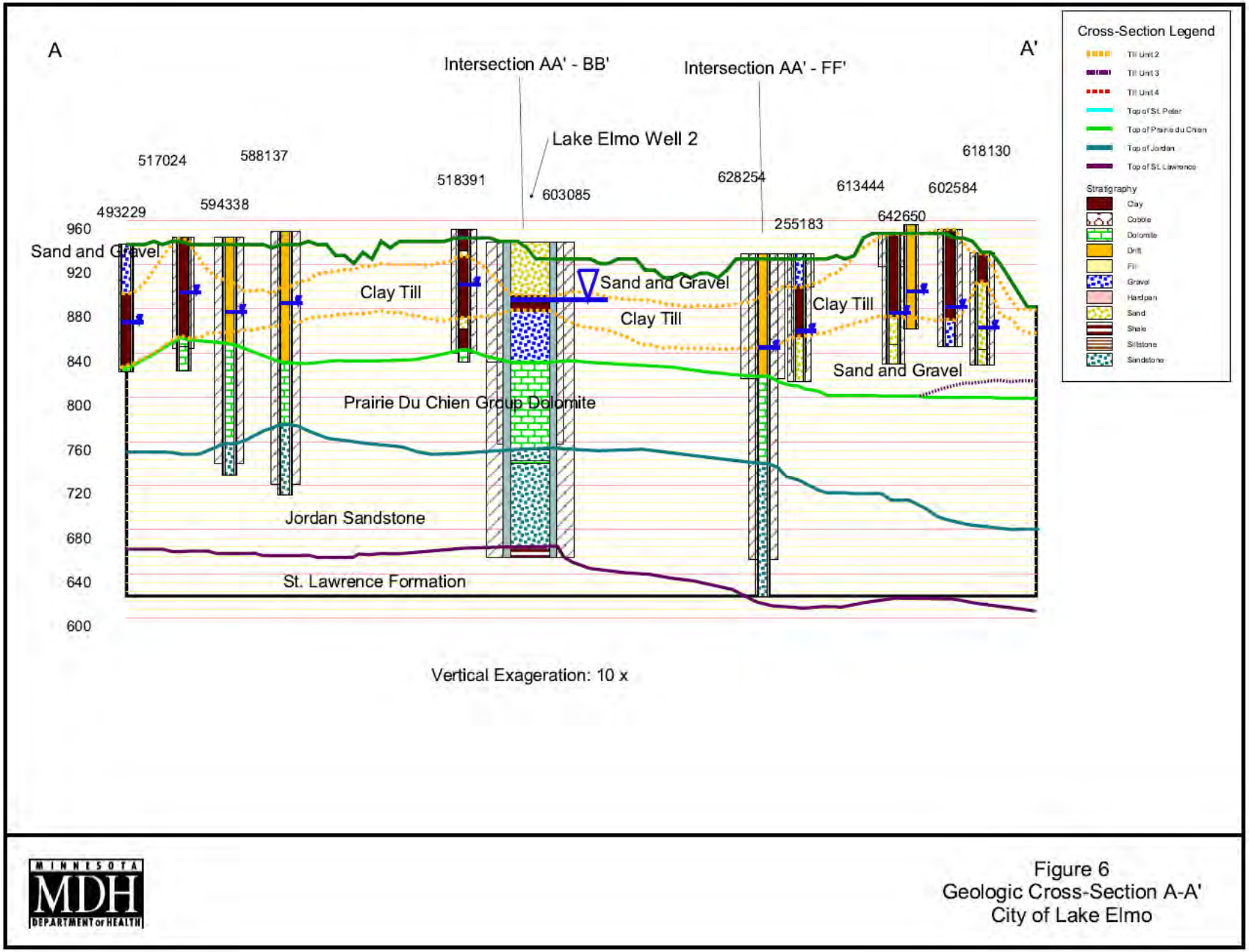
- A-A'
- B-B'
- C-C'
- D-D'
- E-E'
- F-F'

Blown-Up Area



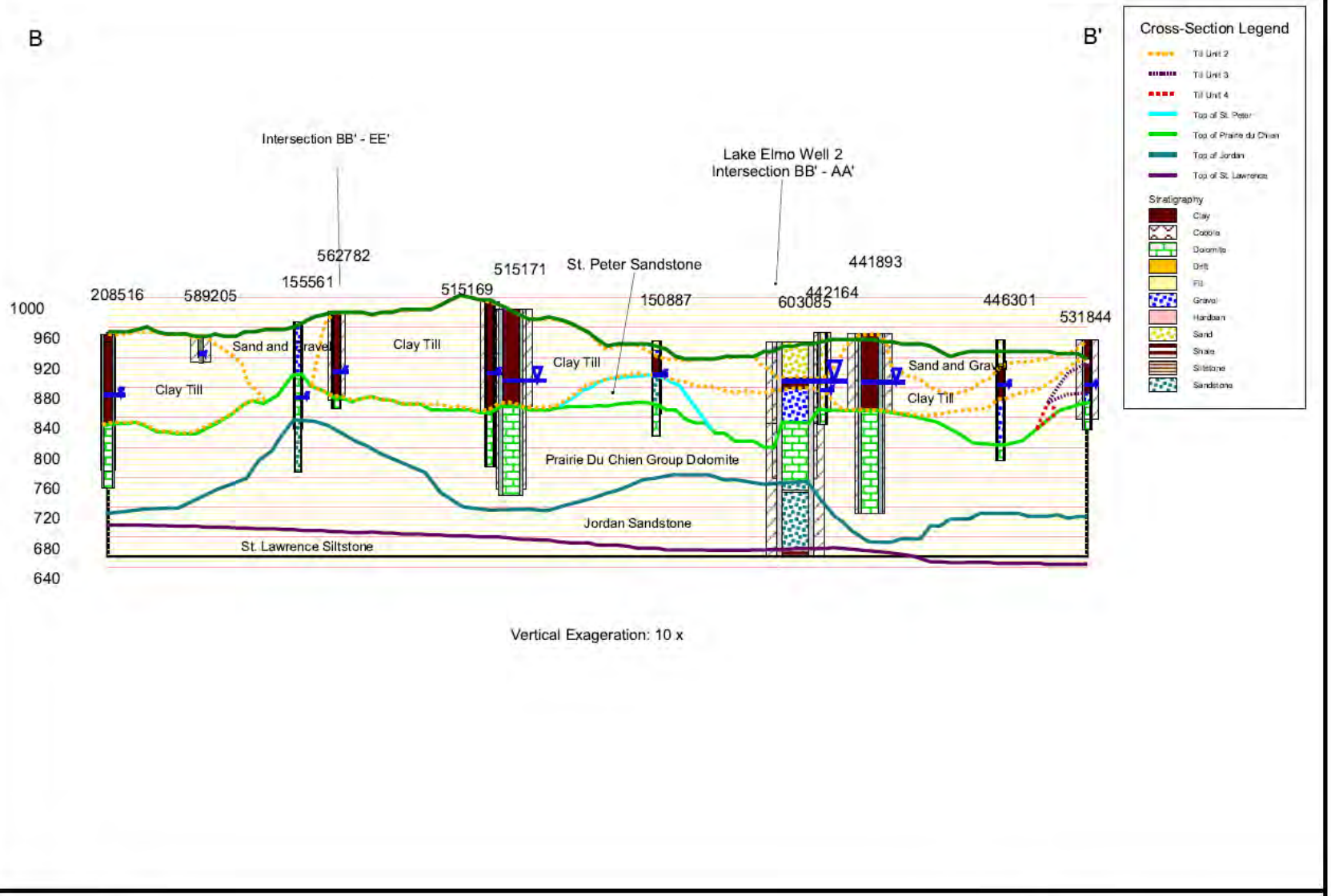
MINNESOTA MDH DEPARTMENT OF HEALTH

Figure 5
Geologic Cross-Sections Locations
City of Lake Elmo



MINNESOTA MDH DEPARTMENT OF HEALTH

Figure 6
Geologic Cross-Section A-A'
City of Lake Elmo



MINNESOTA MDH DEPARTMENT OF HEALTH

Figure 7
Geologic Cross-Section B-B'
City of Lake Elmo

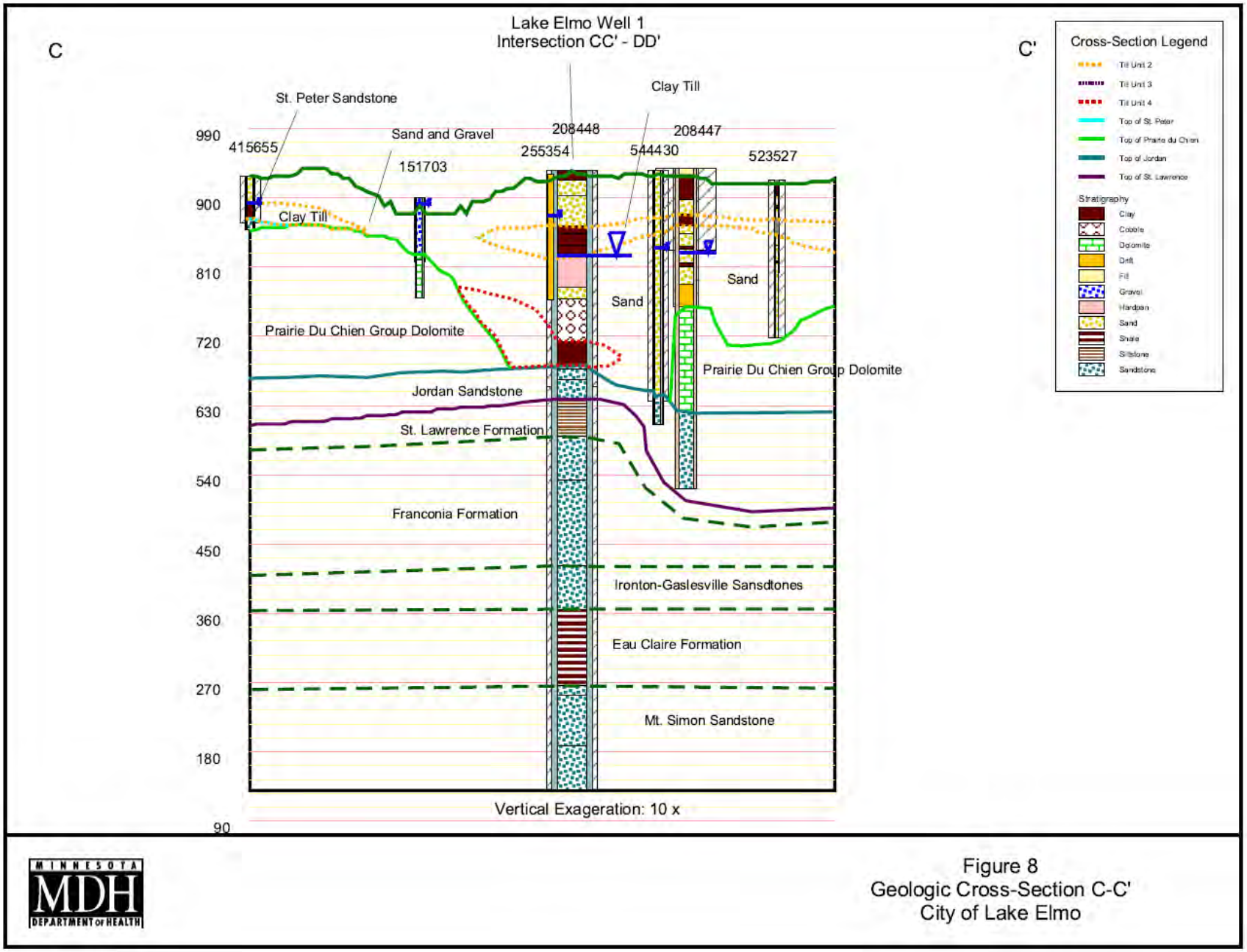


Figure 8
Geologic Cross-Section C-C'
City of Lake Elmo

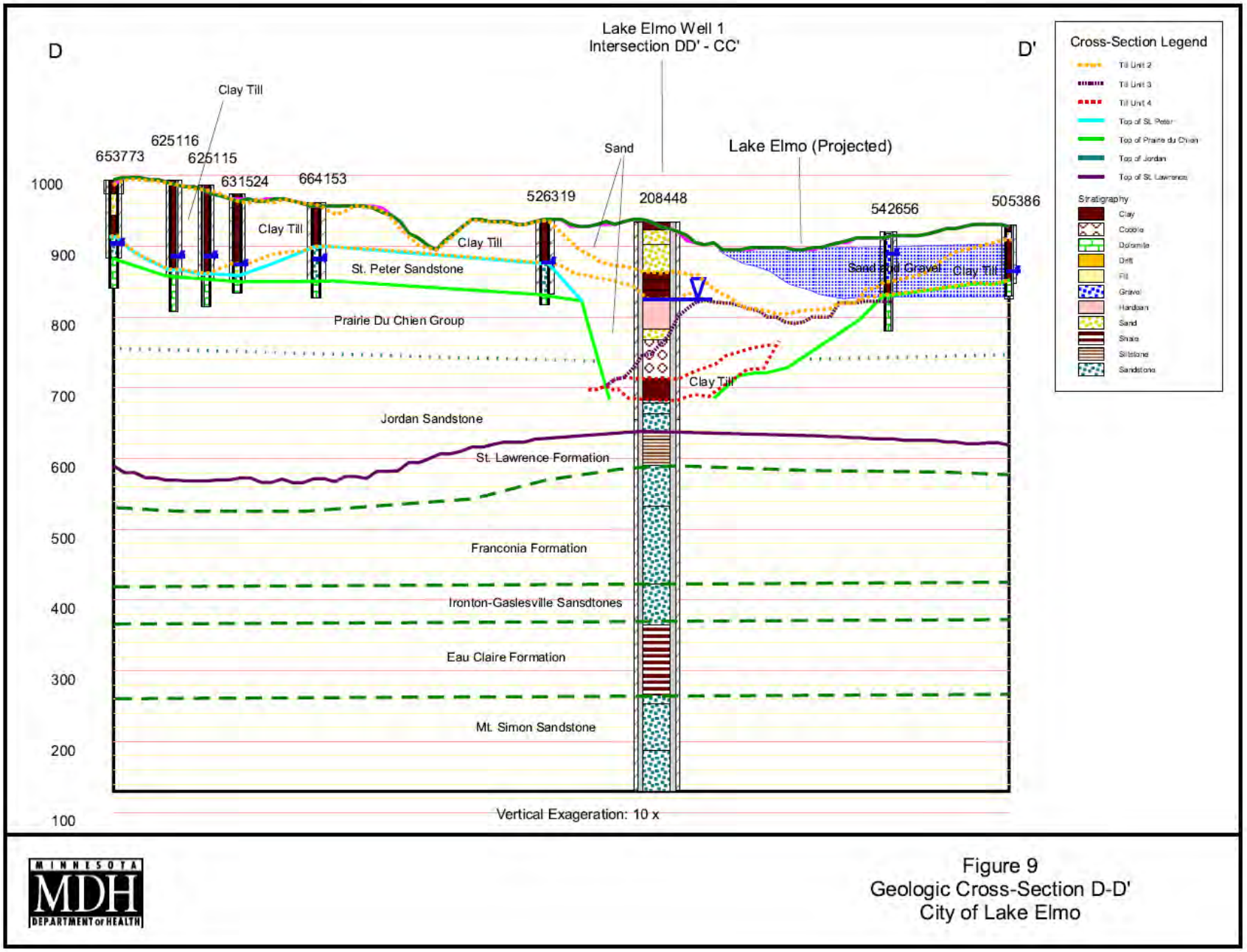


Figure 9
Geologic Cross-Section D-D'
City of Lake Elmo

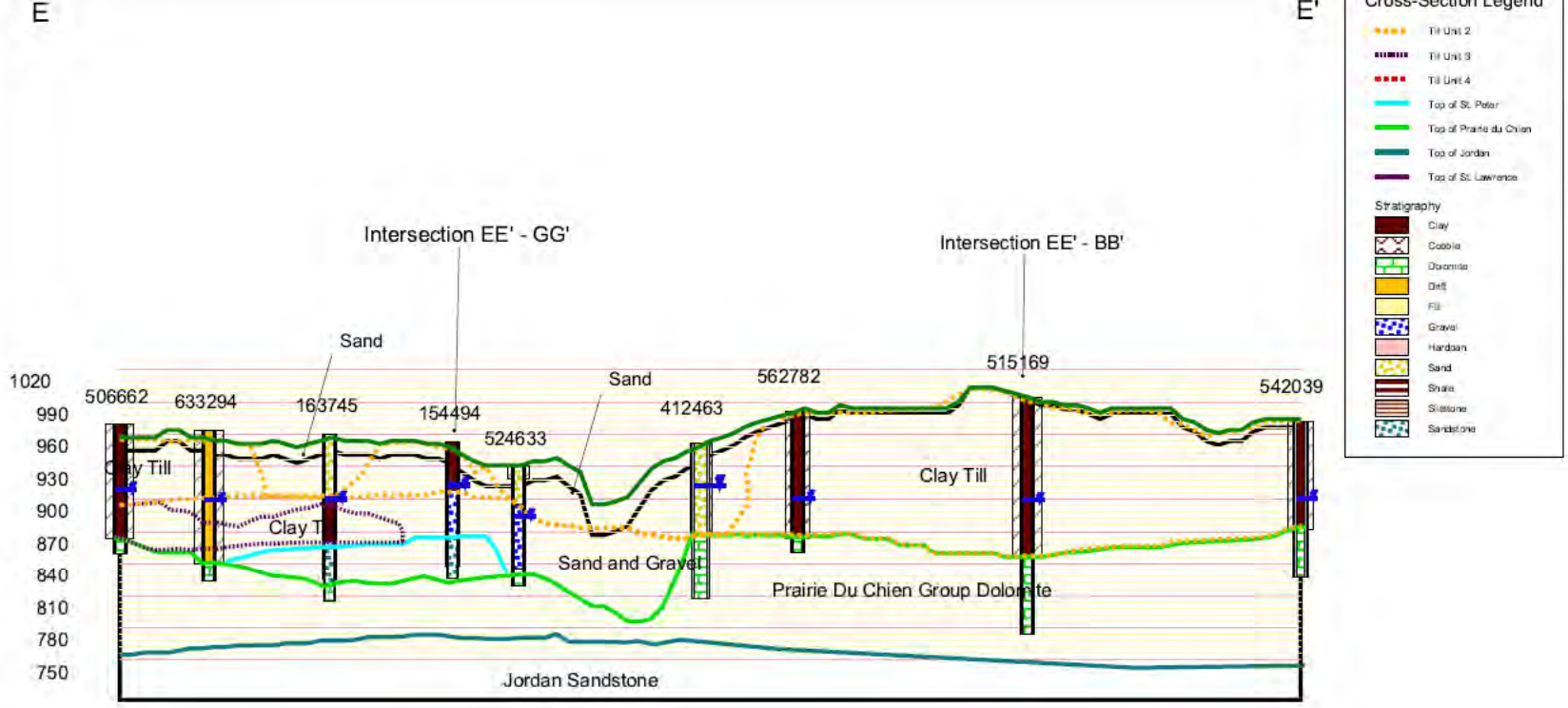
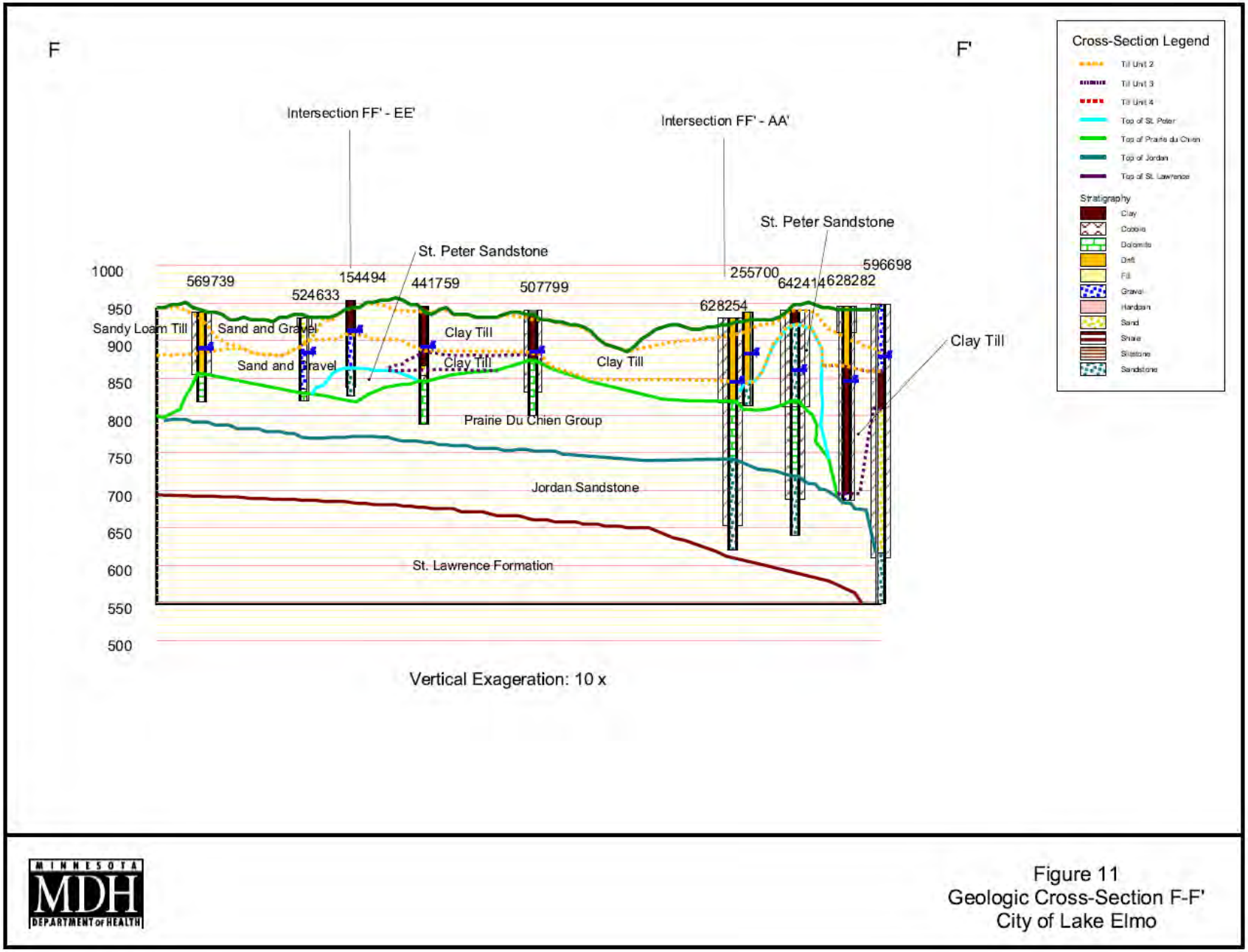


Figure 10
Geologic Cross-Section E-E'
City of Lake Elmo



MINNESOTA MDH DEPARTMENT OF HEALTH

Figure 11
Geologic Cross-Section F-F'
City of Lake Elmo

Appendix B

Fracture Flow Delineation

Table B-1 Parameters Used in the Fracture Flow Delineation

Unique Well# = 603085				
Lake Elmo #2				
X = 510,832.000, Y = 4,986,116.000				
5 Year Pumping Volume (1825 days)				
Pumping Volume (Q):	850	m3/day	30,017.47	cu.ft./day
Water Producing Zone Thickness (L):	5.486	m	18	ft.
Effective Porosity (n):	0.056			
Original (CFR) Radius:	1,267.73	m	4,159.23	ft.
New Radius:	1,280.41	m	4,200.82	ft.
New Pumping Volume (Q): *	867.082	m3/day	30,620.70	cu.ft./day
Unique Well# = 767874				
Lake Elmo #4				
X = 509,465.761, Y = 4,985,383.765				
5 Year Pumping Volume (1825 days)				
Pumping Volume (Q):	981.9	m3/day	34,675.47	cu.ft./day
Water Producing Zone Thickness (L):	39.319	m	129	ft.
Effective Porosity (n):	0.056			
Original (CFR) Radius:	508.972	m	1,669.86	ft.
New Radius:	514.061	m	1,686.55	ft.
New Pumping Volume (Q): *	1,001.63	m3/day	35,372.31	cu.ft./day
OVERLAP SUMMARY INFORMATION				
Original (CFR) Area for Well# 603085:	5,049,010.96	m2	54,347,049.10	sq.ft.
New (CFR) Area for Well# 603085:	5,150,475.63	m2	55,439,204.66	sq.ft.
Original (CFR) Area for Well# 767874:	813,837.02	m2	8,760,060.33	sq.ft.
New (CFR) Area for Well# 767874:	830,191.85	m2	8,936,102.06	sq.ft.
Overlap Area to Well# 603085:	101,464.67	m2	1,092,155.56	sq.ft.
Overlap Area to Well# 767874:	16,354.83	m2	176,041.73	sq.ft.
Total Overlap Area:	117,819.50	m2	1,268,197.30	sq.ft.
* = New Pumping Volumes (Q) if needed for additional overlap computations with another well.				
UP-GRADIENT EXTENSION (UGE)				
(area beyond the New Areas of both Wells)				
(area beyond the New Areas of both Wells)				
Bearing from Well# 603085 = 289° from North +/- 10°.				
Bearing from Well# 767874 = 289° from North +/- 10°.				
Up-Gradient Extension Area:	6,161,126.76	m2	66,317,752.30	sq.ft.
Up-Gradient Intersection Area:	464,629.38	m2	5,001,224.13	sq.ft.

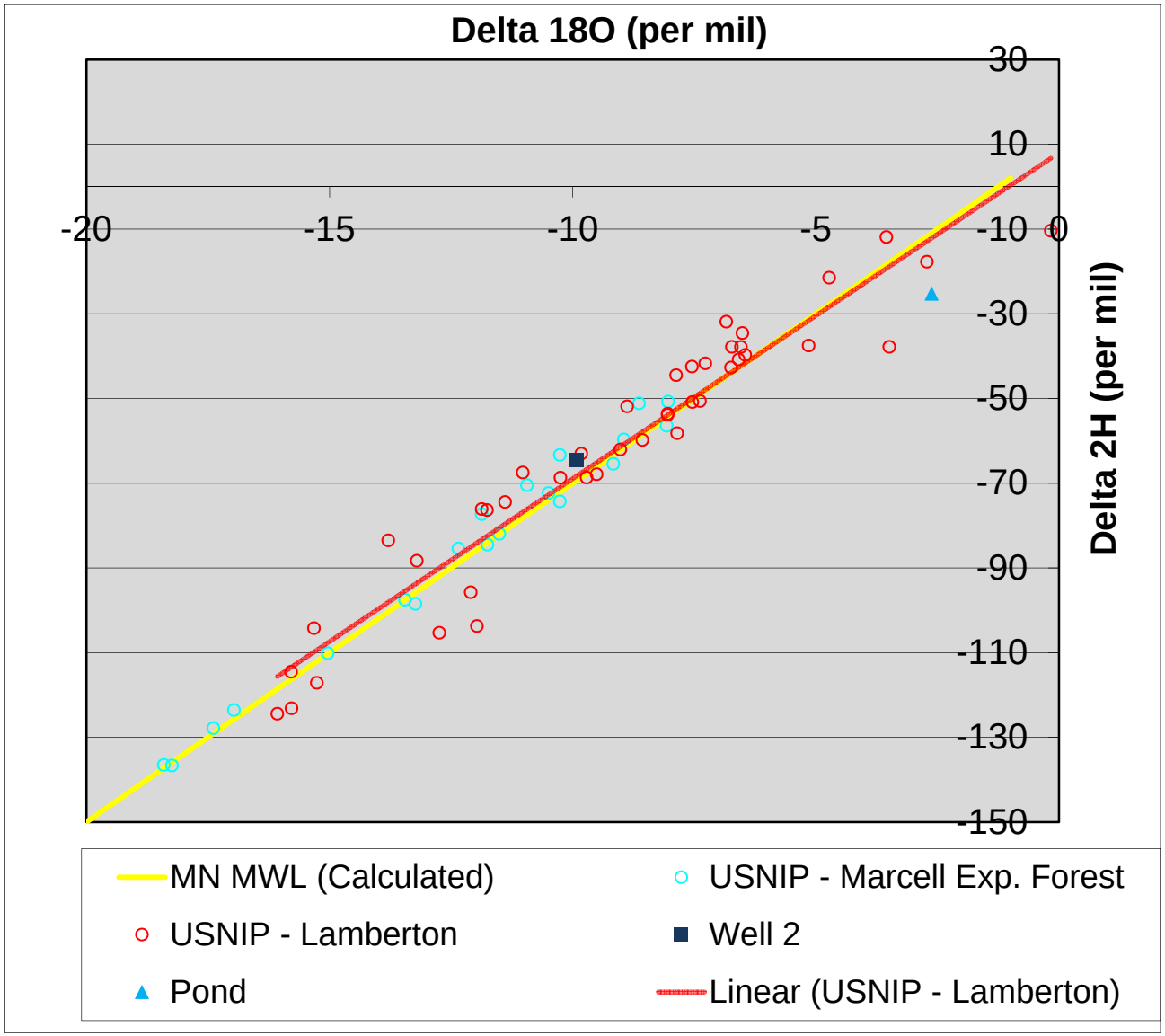
Table B-1 (Continued)

Unique Well# = 603085				
Lake Elmo #2				
X = 510,832.000, Y = 4,986,116.000				
1 Year Pumping Volume (365 days)				
Pumping Volume (Q):	850	m3/day	30,017.47	cu.ft./day
Water Producing Zone Thickness (L):	5.486	m	18	ft.
Effective Porosity (n):	0.056			
Original (CFR) Radius:	566.948	m	1,860.07	ft.
Unique Well# = 767874				
Lake Elmo #4				
X = 509,465.761, Y = 4,985,383.765				
1 Year Pumping Volume (365 days)				
Pumping Volume (Q):	981.9	m3/day	34,675.47	cu.ft./day
Water Producing Zone Thickness (L):	39.319	m	129	ft.
Effective Porosity (n):	0.056			
Original (CFR) Radius:	227.619	m	746.78	ft.

Appendix C

Deuterium – O^{18} Graph

Figure C-1
Oxygen 18 vs Deuterium Graph



December 3, 2015

Mr. James Sachs, Wellhead Protection Manager
Public Works/Water Department
3445 Ideal Avenue North
Lake Elmo, Minnesota 55042

Dear Mr. Sachs:

Subject: **Scoping Decision Notice No. 1 for the City of Lake Elmo, PWSID 1820009, for Amending the Wellhead Protection Plan**

This letter provides notice of the results of the Scoping 1 meeting that I and Robyn Hoerr (Minnesota Rural Water Association) held with you on November 10, 2015, to amend your wellhead protection plan. During the meeting, we discussed the preparation of Part I of a Wellhead Protection Plan that will document the 1) delineation of a wellhead protection area, 2) delineation of a drinking water supply management area, and 3) assessments of well and aquifer vulnerability related to these areas for the primary water supply wells used by the city of Lake Elmo. As you may remember, the wellhead protection area is the surface and subsurface area surrounding your public water supply wells through which contaminants are likely to move and affect your drinking water supply. The drinking water supply management area is the area delineated using identifiable landmarks that reflect the wellhead protection area boundaries as closely as possible.

It is our understanding that the city also has a well (Well 3 [655910]) that it retains for emergency standby use. The city must manage an inner wellhead management zone that is defined by a 200-foot radius around each emergency standby well. However, a wellhead protection area is not defined because the well only pumps during emergency water needs.

The city will have until July 30, 2018, to submit the amendment of its entire Wellhead Protection Plan, Part I and Part II. The Minnesota Department of Health (MDH) highly recommends that half of the time allotted be dedicated to completing Part II of the plan.

It is our understanding that MDH will assist the city with the preparation of its Part I report. There will be no cost to the city for any involvement by MDH staff with this work. It will be the responsibility of the city of Lake Elmo to assist with the data collection to aid in the delineation and vulnerability assessments, as you did with the original Wellhead Protection (WHP) Plan.

At our meeting, we discussed rule requirements and the types of information needed to amend the Part I report. The Wellhead Protection Plan must be prepared in accordance with Minnesota Rules, parts 4720.5100 to 4720.5590. General wellhead protection requirements and criteria for delineating the wellhead protection area and data reporting are presented in Minnesota Rules, parts 4720.5500 to 4720.5510.

The enclosed Scoping Decision Notice No. 1 formally identifies the information the city must provide to MDH to meet rule requirements for amending and preparing Part I of the Wellhead Protection Plan. The wellhead rule refers to the existing information required for wellhead planning as data elements. Much of this information is available in the public domain, as described in the Scoping Decision Notice No. 1 form.

You only need to provide the information that is not in the public domain and, therefore, not available to MDH. The Scoping Decision Notice No. 1 form also 1) lists the Minnesota unique well number and well construction for each well that will be included in the Wellhead Protection Plan [Table 1]; 2) lists the pumping volumes for each well [Table 2]; and 3) includes maps of the well locations. A summary of the information that the PWS needs to provide is included at the end of the Scoping Decision Notice No. 1 form.

After the delineation has been completed, we would like to meet with you again to discuss the wellhead protection area delineation and the boundaries of the drinking water supply management area. The boundaries of the drinking water supply management area use streets, roads, section lines, or other features that the public can easily understand for referencing the areas that will be included in the city's WHP Plan.

Finally, it is our understanding that you will serve officially as the wellhead protection manager on behalf of the city. You are responsible for providing written notice to local units of government of the city's intent to amend the Wellhead Protection Plan, as required by the wellhead protection rule (part 4720.5300, subpart 3). A copy of this notice should be forwarded to MDH and must include a list of the city's wells, their unique well numbers, and contact information for you as Wellhead Protection manager. If you do not have a copy of your original notice from your previous WHP Plan, your Source Water Protection Unit Planner, John Freitag, can provide you with some examples of the notification of intent that other communities have used. Please contact him at 651/201-4669.

In closing, we look forward to working with you on amending your Wellhead Protection Plan. If you have any questions regarding our comments, please contact me at 651/201-4577 or at amal.djerrari@state.mn.us.

Sincerely,

Amal Djerrari, Hydrologist
Source Water Protection Unit
Environmental Health Division
P.O. Box 64975
St. Paul, Minnesota 55164-0975

AMD:ds-b
Enclosures: Scoping Decision Notice No. 1; Summary of Data Requested; Table 1 - Public Water Supply Well Information; Table 2 - Annual Volume of Water Pumped From PWS Wells; Table 3 - Permitted High-Capacity Wells; Maps of Well Locations
cc: John Freitag, Source Water Protection Unit, Metro Office
Robyn Hoerr, Minnesota Rural Water Association
Ron Struss, Minnesota Department of Agriculture

SCOPING DECISION NOTICE No. 1
(Nonvulnerable Setting)

The purpose for the first Scoping Meeting, as required by Minnesota Rules, part 4720.5310, is to discuss the information necessary for preparing a Part I Report of a Wellhead Protection Plan. The Part I Report identifies the area that provides the source of drinking water for the public water supply (PWS) so that the PWS can develop land use or management practices to protect their groundwater resource from contamination. Specifically, the Part I Report documents the delineation of the wellhead protection area (WHPA), the delineation of the drinking water supply management area (DWSMA), and assesses the vulnerability of the PWS well and DWSMA.

The wellhead rule (Minnesota Rules, part 4720.5310) refers to the information required for wellhead planning as data elements. This form lists the data elements stated in Minnesota Rules, part 4750.5400. The Minnesota Department of Health (MDH) uses this form to designate which data elements are needed to prepare the Part I Report, based on the hydrogeological setting, vulnerability of the well, and aquifer information known at the time of the Scoping 1 Meeting.

Name of Public Water Supply		**Date**
City of Lake Elmo **(PWSID = 1820009)**		December 3, 2015
Name of the Wellhead Protection Manager		
James Sachs, Public Works Department		
Address	**City**	**Zip**
3445 Ideal Ave. North	Lake Elmo	55042
Unique Well Numbers		**Phone**
208448 (Well 1), 603085 (Well 2,), 767874 (Well 4)		(651) 747-3942

Instructions for Completing the Scoping No. 1 Form

N	D	V	S	
X				**N** = If this box is checked with an "X," this data element is **NOT** necessary for the **Part I Report** of your Wellhead Protection Plan. This data element may be identified later at the Scoping 2 Meeting and used for the Part 2 Report. Please go to the next data element.

N	D	V	S	
	X			**D** = If this box is checked with an "X," the preparer of the Part I Report is **required** to use this information for the **DELINEATION** of the WHPA or the DWSMA. If there is no check in the "S" box, this information is available in the public domain or is on file at MDH.

N	D	V	S	
		X		**V** = If this box is checked with an "X," the preparer of the Part I Report is **required** to use this information for the **VULNERABILITY** assessment of the PWS well or the DWSMA. If there is no check in the "S" box, this information is available in the public domain or is on file at MDH.

N	D	V	S	
			X	**S** = If this box is checked with an "X," the PWS **must SUBMIT** the information to MDH.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT

A. PRECIPITATION

N	D	V	S	
	X			A.1: An existing map or list of local precipitation gauging stations.

Technical Assistance Comments: Precipitation values can be used to determine the local recharge in the groundwater model. The map can be used to determine the closest gauging station. The locations of the gauging stations are available in the public domain.

N	D	V	S	
	X		X	A.2: An existing table showing the average monthly and annual precipitation, in inches, for the preceding five years.

Technical Assistance Comments: This information may be used for determining local recharge for the groundwater model. This information may be available in the public domain if there is a local gauging station, or may be obtained from the local wastewater treatment plant.

B. GEOLOGY

N	D	V	S	
	X	X	X	B.1: An existing geologic map and a description of the geology, including aquifers, confining layers, recharge areas, discharge areas, sensitive areas as defined in Minnesota Statutes, section 103H.005, subdivision 13, and groundwater flow characteristics.

Technical Assistance Comments: Information of this type is required to characterize the geologic and hydrogeologic setting of the PWS well field(s). This information is used to define aquifer geometry, location and magnitude of the recharge and discharge areas, and groundwater flow information. Aquifer tests or alternatives listed in MN Rules, part 4720.5510, subpart 6, can be used to help characterize flow in the aquifer. Reference all information used to develop the conceptual model of the geologic setting and submit to MDH only the information that is not available in the public domain.

N	D	V	S	
	X	X	X	B.2: Existing records of the geologic materials penetrated by wells, borings, exploration test holes, or excavations, including those submitted to the department.

Technical Assistance Comments: Information of this type may be useful to refine the understanding of the geologic and hydrogeologic setting on a local basis. Submit only if the PWS or city has information of test drilling or site investigations conducted by the city that is not available in the public domain.

N	D	V	S	
	X	X	X	B.3: Existing borehole geophysical records from wells, borings, and exploration test holes.

Technical Assistance Comments: Information from geophysical records may provide additional information about aquifer thickness, well construction, and water level information at a local scale. Submit only if the information is not available in the public domain.

N	D	V	S	
	X	X	X	B.4: Existing surface geophysical studies.

Technical Assistance Comments: Information from geophysical studies may be useful to refine the understanding of the geology on a local basis. Submit only if the information is not available in the public domain.

C. SOILS

N	D	V	S	
	X	X		C.1: Existing maps of the soils and a description of soil infiltration characteristics.

Technical Assistance Comments: This information is in the public domain and can be used to delineate the WHPA and assess the vulnerability of the DWSMA because it indicates the underlying geology.

N	D	V	S	
X				C.2: A description or an existing map of known eroding lands that are causing sedimentation problems.

Technical Assistance Comments:

D. WATER RESOURCES

N	D	V	S	
	X			D.1: An existing map of the boundaries and flow directions of major watershed units and minor watershed units.

Technical Assistance Comments: This information is in the public domain and may be used to delineate the surface water contribution area of the WHPA.

N	D	V	S	
	X	X		D.2: An existing map and a list of public waters as defined in Minnesota Statutes, section 103G.005, subdivision 15, and public drainage ditches.

Technical Assistance Comments: This information is in the public domain and may be used to delineate the surface water contribution area of the WHPA and determine the vulnerability of the DWSMA.

N	D	V	S	
X				D.3: The shoreland classifications of the public waters listed under sub-item (2), pursuant to part 6120.3000 and Minnesota Statutes, sections 103F.201 to 103F.221.

Technical Assistance Comments:

N	D	V	S	
X				D.4: An existing map of wetlands regulated under Chapter 8420 and Minnesota Statutes, section 103G.221 to 103G.2373.

Technical Assistance Comments:

N	D	V	S	
X				D.5: An existing map showing those areas delineated as floodplain by existing local ordinances.

Technical Assistance Comments:

DATA ELEMENTS ABOUT THE LAND USE

E. LAND USE

N	D	V	S	
	X		X	E.1: An existing map of parcel boundaries.

Technical Assistance Comments: This information may be helpful in delineating the DWSMA, if available. If this information is provided, identification numbers must be provided for each parcel. An electronic format for the map is preferable.

N	D	V	S	
	X		X	E.2: An existing map of political boundaries.

Technical Assistance Comments: Please provide this information if the boundaries have been updated/changed. This information may be helpful in delineating the DWSMA. An electronic format for the map is preferable.

N	D	V	S	
	X			E.3: An existing map of public land surveys, including township, range, and section.

Technical Assistance Comments: This information is available in the public domain and may be helpful in delineating the DWSMA.

N	D	V	S	
X				E.4: A map and an inventory of the current and historical agricultural, residential, commercial, industrial, recreational, and institutional land uses and potential contaminant sources.

Technical Assistance Comments:

N	D	V	S	E.5: An existing, comprehensive land-use map.
X				

Technical Assistance Comments:

N	D	V	S	E.6: Existing zoning map.
X				

Technical Assistance Comments:

F. PUBLIC UTILITY SERVICES

N	D	V	S	F.1: An existing map of transportation routes or corridors.
	X			

Technical Assistance Comments: This information is available in the public domain and may be helpful in delineating the DWSMA.

N	D	V	S	F.2: An existing map of storm sewers, sanitary sewers, and the public water supply systems.
	X		X	

Technical Assistance Comments: Do not submit a map of the storm sewers and sanitary sewers. Describe the difference in how much water is pumped and how much is sold. The difference is the leakage that may be used as recharge in the groundwater model.

N	D	V	S	F.3: An existing map of gas and oil pipelines used by gas and oil suppliers.
X				

Technical Assistance Comments:

N	D	V	S	F.4: An existing map or list of public drainage systems.
	X	X		

Technical Assistance Comments: This information is available in the public domain and may be helpful in delineating the DWSMA.

N	D	V	S	F.5: An existing record of construction, maintenance, and use of the public water supply well(s) and other wells within the DWSMA.
	X	X	X	

Technical Assistance Comments: If the information is different than that on-file with MDH, please provide 1) the pumping rates for the current and previous years, and the projected annual pumping rates for the next five years for each well in the PWS; and 2) well record(s) for the PWS well(s). Information about the PWS well(s) may affect the vulnerability assessment due to rehabilitation/reconstruction of a well or changes in pumping rates.

DATA ELEMENTS ABOUT WATER QUANTITY

G. SURFACE WATER QUANTITY

N	D	V	S	
	X	X		G.1: An existing description of high, mean, and low flows on streams.

Technical Assistance Comments: This information is available in the public domain and may be used to determine hydraulic connections between surface water bodies and the aquifer(s) of concern.

N	D	V	S	
	X			G.2: An existing list of lakes where the state has established ordinary high water marks.

Technical Assistance Comments: This information is available in the public domain. The information may be used to determine the WHPA.

N	D	V	S	
	X	X	X	G.3: An existing list of permitted withdrawals from lakes and streams, including source, use, and amounts withdrawn.

Technical Assistance Comments: Only required if different from the DNR database. Surface water bodies may be in direct hydraulic connection with the aquifer(s) of concern and withdrawals may affect water levels in both the surface water and adjacent groundwater systems.

N	D	V	S	
	X			G.4: An existing list of lakes and streams for which state protected levels or flows have been established.

Technical Assistance Comments: This information is available in the public domain and may be used to determine hydraulic connections between surface water bodies and the aquifer(s) of concern.

N	D	V	S	
	X	X	X	G.5: An existing description of known water-use conflicts, including those caused by groundwater pumping.

Technical Assistance Comments: Please notify MDH of surface water/well interference problems of which the PWS is aware. Conflicts between use of groundwater resources and surface water bodies would indicate a hydrologic boundary that would need to be considered in delineating the WHPA.

H. GROUNDWATER QUANTITY

N	D	V	S	
	X	X	X	H.1: An existing list of wells covered by state appropriation permits, including amounts of water appropriated, type of use, and aquifer source.

Technical Assistance Comments: Please submit this information for wells that are not permitted by the DNR because this information may be useful in identifying the hydrologic boundary conditions that could affect the size and shape of the WHPA boundaries.

N	D	V	S	
	X	X	X	H.2: An existing description of known well interference problems and water-use conflicts.

Technical Assistance Comments: Please notify MDH of well interference problems of which the PWS is aware. Interference problems with other wells, if present, likely indicate a hydrologic boundary that would need to be considered in making the WHPA delineation.

N	D	V	S	
	X	X	X	H.3: An existing list of state environmental boreholes, including unique well number, aquifer measured, years of record, and average monthly levels.

Technical Assistance Comments: Only submit monthly water level measurements (with unique well numbers and dates) that are not in the public domain.

DATA ELEMENTS ABOUT WATER QUALITY

I. SURFACE WATER QUALITY

N	D	V	S	
X				I.1: An existing map or list of the state water quality management classification for each stream and lake.

Technical Assistance Comments:

N	D	V	S	
		X	X	I.2: An existing summary of lake and stream water quality monitoring data, including: 1. bacteriological contamination indicators; 2. inorganic chemicals; 3. organic chemicals; 4. sedimentation; 5. dissolved oxygen; and 6. excessive growth or deficiency of aquatic plants.

Technical Assistance Comments: This information can be used to evaluate surface water/groundwater interactions and aquifer water quality. Submit if the PWS has information that is not available in the public domain.

J. GROUNDWATER QUALITY

N	D	V	S	
	X	X	X	J.1: An existing summary of water quality data, including: 1) bacteriological contamination indicators; 2) inorganic chemicals; and 3) organic chemicals.

Technical Assistance Comments: Submit if the PWS has information that is not available in the public domain because the information may help explain groundwater flow paths.

N	D	V	S	
	X	X	X	J.2: An existing list of water chemistry and isotopic data from wells, springs, or other groundwater sampling points.

Technical Assistance Comments: Submit if the PWS has information that is not available in the public domain because the information may help explain groundwater flow paths.

N	D	V	S	
	X	X	X	J.3: An existing report of groundwater tracer studies.

Technical Assistance Comments: Submit if the PWS has information that is not available in the public domain because the information may help explain groundwater flow paths.

N	D	V	S	
		X	X	J.4: An existing site study and well water analysis of known areas of groundwater contamination.

Technical Assistance Comments: Submit if the PWS has information on contaminant sources not available in the public domain because these reports may contain additional geologic or hydrogeologic information.

N	D	V	S	
X				J.5: An existing property audit identifying contamination.

Technical Assistance Comments:

N	D	V	S	
	X	X		J.6: An existing report to the Minnesota Department of Agriculture and the Minnesota Pollution Control Agency of contaminant spills and releases.

Technical Assistance Comments: Notify MDH of reports on spills or contaminant releases that are on-file with the PWS or city but are not in the public domain. These reports do not need to be submitted but MDH staff would like to review reports.

City of Lake Elmo
Summary of Data Request
Specific Data to be Provided to MDH by PWS

As discussed during the first Scoping Meeting on November 10, 2015, the public water supply (PWS) will provide the following information for Part I of their Wellhead Protection Plan to the Minnesota Department of Health (MDH). The number of the data element that refers to the information needed to prepare the Part I Report is listed in the parenthesis at the end of each request.

1) PWS well information: Use Tables 1 and 2, the well records for the PWS wells, and a map showing the locations of all the PWS wells, to review the accuracy of 1) all PWS well construction, 2) well locations, and 3) pumping information. (F.5)

   Table 1 lists well use and construction for each of the PWS wells. Have you reconstructed any wells? Are there well records for reconstructed wells?

   The enclosed maps show the locations of the primary public water supply wells. Please let us know if you feel the wells are not correctly located. These locations must be used to delineate your wellhead protection areas.

   Table 2 shows the available pumping information and indicates what information the PWS needs to provide for the delineation of the capture zone. Please provide the projected annual pumping amounts for the next five years for the primary PWS wells.

2) Provide a copy of any aquifer test or specific capacity information for the PWS wells obtained during well construction, maintenance, or repair. (B.1)

3) Is there an existing map of parcel and/or political boundaries that could be used for defining the Drinking Water Supply Management Area (DWSMA)? If you wish to use parcel lines, please provide the parcel identification number for each parcel boundary along with the map. Have the city boundaries changed? If the city boundaries have changed, please provide the new boundaries. The boundaries of the DWSMA may be larger if political boundaries are used instead of the parcel boundaries. (E.1 and E.2)

4) If there are private well records, soil boring reports, geophysical studies, or water level measurements in your files that MDH staff did not identify at the scoping meeting and that would be available for MDH staff to review and copy, please notify MDH. (B.2, B.3, B.4, and H.3)

5) Identify reports you have relating to leaks/contamination sites that may be of concern to your drinking water supply, that MDH may review and copy. (J.4)

City of Lake Elmo
Summary of Data Request
Page 2

6) If your files contain water chemistry data, such as bacteria, virus, inorganic, organic, or isotopic results from wells or other groundwater sampling points, not currently available to MDH that MDH may review and copy, please notify MDH. (J.1 and J.2)

7) Identify reports you have in your files relating to groundwater tracer studies that have been conducted. (J.3)

8) Provide information about other high-capacity wells in your area that may not be permitted and are not listed on the attached Table 3. (H.1)

9) Describe any conflicts over water use that the PWS has been involved with, such as 1) private wells that went dry (or well interference) or 2) springs or wetlands that were affected. Was the Department of Natural Resources involved in resolving the conflict? (G.5 and H.2)

10) Describe the annual amount of water lost due to leaks in the distribution system. Can you identify specific parts of the distribution system where this loss occurs? (F.2)

11) If local precipitation information is not available in the public domain within a couple of miles and in the same geomorphic setting, please provide average monthly precipitation values from the wastewater treatment facility during the preceding five years. (A.2)

12) Identify any other reports about surface water withdrawals or surface water monitoring data from lakes, streams, or wetlands that are not in the public domain that MDH staff could review and copy. (G.3 and I.2)

Table 1 - Water Supply Well Information
City of Lake Elmo

Local Well Name	Unique Number	Type	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed	Aquifer	Well Vulnerability
Well 1	208448	Primary	20	280	805	1962	CJMS – Jordan - Mt. Simon	Vulnerable
Well 2	603085	Primary	24 x 18	182	285	2001	OPCJ - Prairie Du Chien-Jordan	Vulnerable
Well 3	655910	Emergency (Out Long Term)	30 x 24	281	422	2002	OPCJ - Prairie Du Chien-Jordan	Vulnerable
Well 4	767874	Primary	24 x 18	211	290	2014	CJDN - Jordan	Vulnerable

Table 2 - Annual Volume of Water Pumped from Wells
City of Lake Elmo

Well Name	Unique Number	Type	Total Annual Withdrawal (gal/year) Permit Number: 1961-1031					Maximum Withdrawal 2010 - 2014 (gallons/year)	Projected 2019 Withdrawal (gallons/year)
			2,010	2,011	2,012	2013	2014		
Well 1	**208448**	**Primary**	22,600,000	23,000,000	**25,900,000**	24,900,000	24,800,000	**25,900,000**	
Well 2	**603085**	**Primary**	80,400,000	89,200,000	**139,200,000**	104,000,000	86,900,000	**139,200,000**	
Well 4	**767874**	**Primary**							
Totals			103,000,000	112,200,000	165,100,000	128,900,000	111,700,000	165,100,000	

Source: The DNR State Water Use Database System (SWUDS), Permit Number 1961-1031.

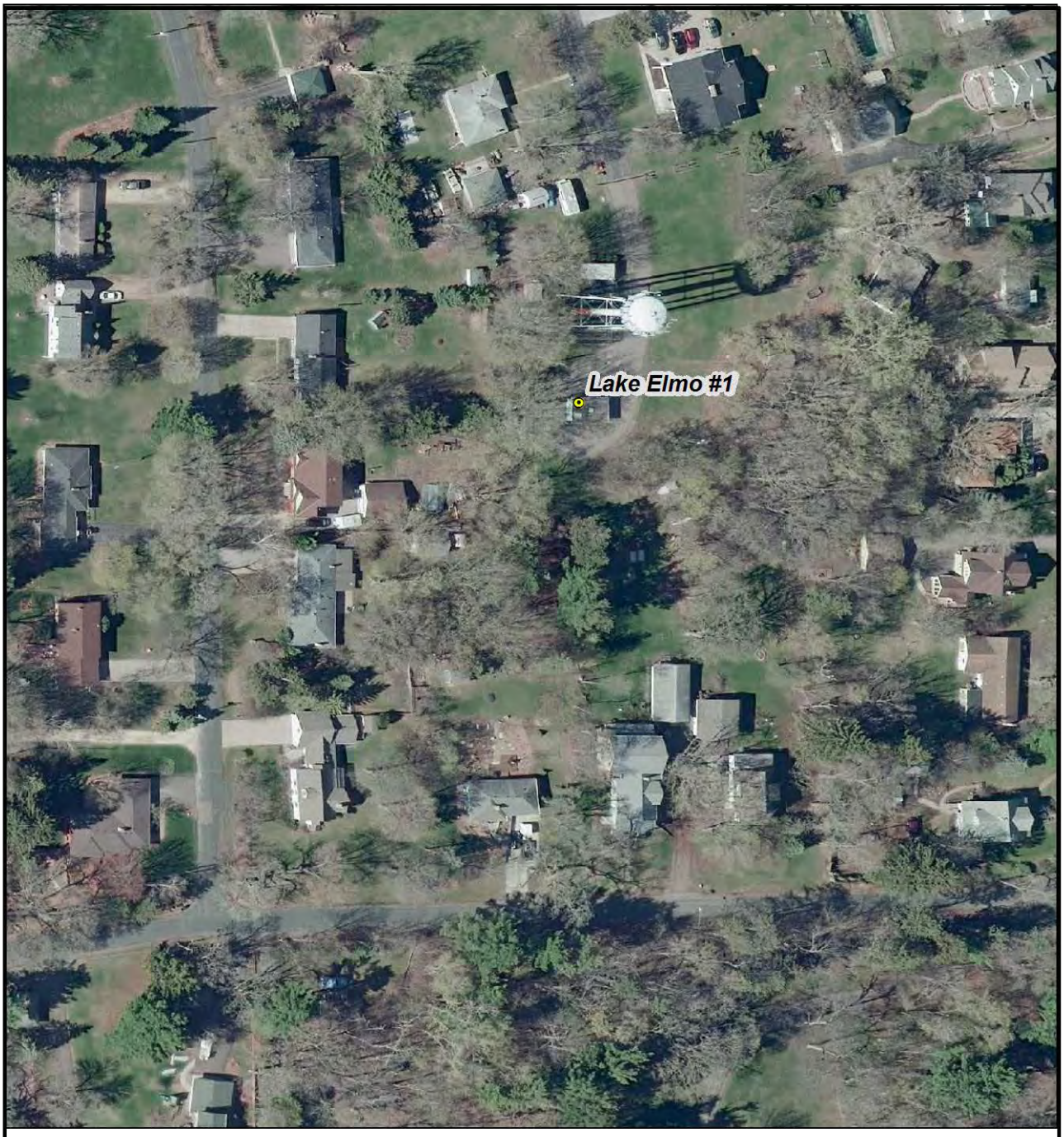
Table 3 - Permitted High-Capacity Wells within 2.0 miles
City of Lake Elmo

Unique Number	Well Name	DNR Permit Number	Aquifer	Use	Annual Volume of Water Pumped* ▲	Daily Volume (cubic meters)
580338	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDNCSTL	Municipal/Public Water Supply	344.0	3,567.0
563000	Woodbury, City Of	1969-0215	CJDN	Municipal/Public Water Supply	125.420	1,301.0
127284	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDNCSTL	Municipal/Public Water Supply	35.494	368.0
686297	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDN	Municipal/Public Water Supply	29.388	305.0
208515	Mogrow Inc dba Indian Hills Golf Club	1987-6207	OPDC	Golf Course Irrigation; Private Water Supply	24.176	251.0
	3M Club Of St Paul Inc: WET18	2002-6083		Golf Course Irrigation; Golf Course Irrigation	23.905	248.0
481662	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDNCSTL	Municipal/Public Water Supply	23.070	239.0
515171	Applewood Hills Golf Course	2005-3012	OPDC	Golf Course Irrigation	19.030	197.0
233565	3M Club Of St Paul Inc	1960-0671	OPCJ	Golf Course Irrigation; Commercial/Institutional Water Supply	16.753	174.0
712467	Boutwells Landing/Presbyterian Homes	2005-3060	CJDN	Landscaping/Athletic Field Irrigation; Basin (Lake) Level Maintenance	8.421	87.0
224608	Stillwater, City of-Board of Water Commissioners	1975-6207	CJDN	Municipal/Public Water Supply	7.403	77.0
757612	MN Pollution Control Agency - St Paul	2008-0321	QBAA	Pollution Containment	6.600	68.0
482704	Stillwater Area Public Schools	1994-6018	CJDN	Landscaping/Athletic Field Irrigation	5.083	53.0
208460	3M Club Of St Paul Inc	1960-0671	OPCJ	Golf Course Irrigation; Commercial/Institutional Water Supply	4.596	48.0
757611	MN Pollution Control Agency - St Paul	2008-0321	QBAA	Pollution Containment	3.915	41.0
403985	Washington County Parks & Rec Dept	1986-6261	OPDC	Campground/Wayside/Highway Rest Area Water Supply	3.868	40.0
127275	Intrepid Holdings, LLP	1977-6171	OPVL	Basin (Lake) Level Maintenance; Landscaping/Athletic Field Irrigation	3.482	36.0
463534	Oakdale, City of - Public Works Dept	1978-6197	CJDNCSTL	Municipal/Public Water Supply	3.170	33.0
	Oak Marsh Ltd Partnership: 2	1996-6085		Golf Course Irrigation	1.671	17.0
570405	Oak Marsh Ltd Partnership	1996-6085	OPCJ	Golf Course Irrigation	1.581	16.0
208461	3M Club Of St Paul Inc	1960-0671	CJDN	Golf Course Irrigation; Commercial/Institutional Water Supply	0.202	2.0
730015	MN Pollution Control Agency - St Paul	2008-0321	QBAA	Pollution Containment	0.0004	0.0

* = Expressed as millions of gallons. Source year = 2014.

Source: MN Dep't. of Natural Resources Division of Waters - MNDNR Permitting and Reporting System (MPARS)

GIS Data Source: swp.mpars_ii_2014



MINNESOTA MDH DEPARTMENT OF HEALTH

Figure 1a - Well Locations
City of Lake Elmo

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Figure 1b - Well Locations
City of Lake Elmo

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Figure 1c - Well Locations
City of Lake Elmo

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Figure 1d - Well Locations
City of Lake Elmo

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MDH
Minnesota
Department
of Health

PROTECTING, MAINTAINING & IMPROVING THE HEALTH OF ALL MINNESOTANS

May 4, 2017

Mr. Rob Weldon, Public Works Director
City of Lake Elmo
3800 Laverne Avenue North
Lake Elmo, Minnesota 55042

Dear Mr. Weldon:

Subject: Scoping 2 Decision Notice and Meeting Summary – City of Lake Elmo – PWSID 1820009

This letter provides notice of the results of the second scoping meeting held with you and Chad Isakson (city of Lake Elmo), Robyn Hoerr (Minnesota Rural Water Association) and me on April 20, 2017, at Lake Elmo City Hall regarding Part II of your wellhead protection (WHP) plan. During the meeting, we discussed data elements that must be compiled and assessed to prepare the part of the WHP plan related to the management of potential contaminants in the approved drinking water supply management area. The enclosed Scoping 2 Decision Notice lists the data elements that were discussed at the meeting. The data elements must be compiled and assessed in terms of their present and future implications on the 1) use of the well(s), 2) quality and quantity of water supplying the public water supply well(s), and 3) land and groundwater uses in the drinking water supply management area. We also discussed a summary of planning issues that were identified during the Part I WHP Plan development process which should be considered for inclusion in your Part II WHP Plan.

The city of Lake Elmo has met the requirements to distribute copies of the first part of the WHP plan to local units of government and hold an informational meeting for the public. The city of Lake Elmo will have until July 30, 2018, to complete its WHP plan.

If a data element is marked on the enclosed notice as a data element that must be used and if it does not exist, it is helpful if your plan notes this. At this time it has not been determined who will be working with you to develop a draft of the remainder of the WHP plan. I will be contacting you to review the progress of the development of Part II of your plan. If you have any questions regarding the enclosed notice, contact me by email at john.freitag@state.mn.us or by phone at (651) 201-4669.

Sincerely,

John Freitag, Planner
Source Water Protection Unit
Environment Health Division
P.O. Box 64975
St. Paul, Minnesota 55164-0975

JF:ds-b
Enclosures
cc: Robyn Hoerr, Minnesota Rural Water Association
Lucas Martin, MDH Engineer, Metro District Office
Ron Struss, Minnesota Department of Agriculture

SCOPING 2 DECISION NOTICE
Moderately Vulnerable DWSMA

Remainder of the Wellhead Protection Plan

Name of Public Water Supply:		Date:
City of Lake Elmo PWSID 1820009		May 4, 2017
Name of the Wellhead Protection Manager:		
Mr. Rob Weldon, Public Works Director		
Address:	City:	Zip:
3800 Laverne Avenue North	Lake Elmo	55042
Unique Well Numbers:		Phone:
208448 (Well #1), 603085 (Well #2), 767874 (Well #4)		(651) 747-3941

Instructions for Completing the Scoping 2 Form

N	R	S	
X			**N = Not required.** If this box is checked, this data element is **NOT** necessary for your wellhead protection plan because it is not needed or it has been included in the first scoping decision notice. **Please go to the next data element.**

N	R	S	
	X		**R = Required for the remainder of the plan.** If this box is checked, this data **MUST** be used for the "**remainder of the plan.**"

N	R	S	
		X	**S = Submit to MDH.** If this box is checked, this data element **MUST** be included in your **wellhead protection plan and submitted to MDH.** If there is **NO** check mark in the **"S"** box but there is an **"X"** in the **"R"** box, this data element **MUST** be included in your plan, but should **NOT be submitted to MDH.** This box will only be checked if MDH does not have access to this data element. This will help to reduce the cost by reducing the amount of paper and time to reproduce the data element.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT

PRECIPITATION

N	R	S	
X			An existing map or list of local precipitation gauging stations.

Technical Assistance Comments:

N	R	S	
X			An existing table showing the average monthly and annual precipitation in inches for the preceding five years.

Technical Assistance Comments:

GEOLOGY

N	R	S	
	X		An existing geologic map and a description of the geology, including aquifers, confining layers, recharge areas, discharge areas, sensitive areas as defined in Minnesota Statutes, section 103H.005, subdivision 13, and groundwater flow characteristics.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about these data elements.

N	R	S	
	X		Existing records of the geologic materials penetrated by wells, borings, exploration test holes, or excavations, including those submitted to the department.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about these data elements.

N	R	S	
	X		Existing borehole geophysical records from wells, borings, and exploration test holes.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect the geology of the area(s).

N	R	S	
	X		Existing surface geophysical studies.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect the geology of the area(s).

SOILS

N	R	S	
X			Existing maps of the soils and a description of soil infiltration characteristics.

Technical Assistance Comments:

N	R	S	
X			A description or an existing map of known eroding lands that are causing sedimentation problems.

Technical Assistance Comments:

WATER RESOURCES			
N	R	S	An existing map of the boundaries and flow directions of major watershed units and minor watershed units.
X			
Technical Assistance Comments:			
N	R	S	An existing map and a list of public waters as defined in Minnesota Statutes, section 103G.005, subdivision 15, and public drainage ditches.
X			
Technical Assistance Comments:			
N	R	S	The shoreland classifications of the public waters listed under subitem (2), pursuant to part 6120.3000 and Minnesota Statutes, sections 103F.201 to 103F.221.
X			
Technical Assistance Comments:			
N	R	S	An existing map of wetlands regulated under Chapter 8420 and Minnesota Statutes, section 103G.221 to 103G.2373.
X			
Technical Assistance Comments:			
N	R	S	An existing map showing those areas delineated as floodplain by existing local ordinances.
X			
Technical Assistance Comments:			

DATA ELEMENTS ABOUT THE LAND USE

LAND USE			
N	R	S	An existing map of parcel boundaries.
	X	X	
Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.			
N	R	S	An existing map of political boundaries.
	X	X	
Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.			
N	R	S	An existing map of public land surveys including township, range, and section.
	X		
Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.			

N	R	S	
	X	X	A map and an inventory of the current and historical agricultural, residential, commercial, industrial, recreational, and institutional land uses and potential contaminant sources.

Technical Assistance Comments: The inventory, mapping and management of land uses and potential sources of contamination for all the Drinking Water Supply Management Areas(s) must reflect what is known about these data elements, as follows:

Moderate Vulnerability - 1) All potential contaminant sources as listed on the attachment, 2) a land use/land cover map and table, and 3) an inventory of the Inner Wellhead Management Zone (IWMZ).

As a starting point, MDH will provide a land cover map and table from federal data bases. This data set must be used unless an alternative electronic data set that is more current and detailed is available.

Management strategies must be developed for all land uses and potential sources of contamination.

N	R	S	
	X	X	An existing comprehensive land-use map.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X	X	Existing zoning map.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

PUBLIC UTILITY SERVICES

N	R	S	
	X		An existing map of transportation routes or corridors.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X	X	An existing map of storm sewers, sanitary sewers, and public water supply systems.

Technical Assistance Comments: It is not necessary to include a map of your public water supply system in your plan if you feel it would pose a threat to the security of your system. An existing map of the storm sewers and sanitary sewers in the Drinking Water Supply Management Area(s) must be included in the wellhead protection plan and must also be submitted to MDH as part of the approval.

N	R	S	
	X	X	An existing map of the gas and oil pipelines used by gas and oil suppliers.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing map or list of public drainage systems.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing record of construction, maintenance, and use of the public water supply well and other wells within the drinking water supply management area.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about these data elements.

DATA ELEMENTS ABOUT WATER QUANTITY

SURFACE WATER QUANTITY

N	R	S	
X			An existing description of high, mean, and low flows on streams.

Technical Assistance Comments:

N	R	S	
X			An existing list of lakes where the state has established ordinary high water marks.

Technical Assistance Comments:

N	R	S	
X			An existing list of permitted withdrawals from lakes and streams, including source, use, and amounts withdrawn.

Technical Assistance Comments:

N	R	S	
X			An existing list of lakes and streams for which state protected levels or flows have been established.

Technical Assistance Comments:

N	R	S	
X			An existing description of known water-use conflicts, including those caused by groundwater pumping.

Technical Assistance Comments:

GROUNDWATER QUANTITY

N	R	S	
	X		An existing list of wells covered by state appropriation permits, including amounts of water appropriated, type of use, and aquifer source.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X	X	An existing description of known well interference problems and water use conflicts.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing list of state environmental bore holes, including unique well number, aquifer measured, years of record, and average monthly levels.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

DATA ELEMENTS ABOUT WATER QUALITY

SURFACE WATER QUALITY

N	R	S	
X			An existing map or list of the state water quality management classification for each stream and lake.

Technical Assistance Comments:

N	R	S	
X			An existing summary of lake and stream water quality monitoring data, including: 1. bacteriological contamination indicators; 2. inorganic chemicals; 3. organic chemicals; 4. sedimentation; 5. dissolved oxygen; and 6. excessive growth or deficiency of aquatic plants.

Technical Assistance Comments:

GROUNDWATER QUALITY

N	R	S	
	X		An existing summary of water quality data, including: 1. bacteriological contamination indicators; 2. inorganic chemicals; and 3. organic chemicals.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing list of water chemistry and isotopic data from wells, springs, or other groundwater sampling points.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing report of groundwater tracer studies.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing site study and well water analysis of known areas of groundwater contamination.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about these data elements.

N	R	S	
	X		An existing property audit identifying contamination.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

N	R	S	
	X		An existing report to the Minnesota Department of Agriculture and the Minnesota Pollution Control Agency of contaminant spills and releases.

Technical Assistance Comments: The management of all the Drinking Water Supply Management Area(s) must reflect what is known about this data element.

Scoping 2 Meeting
Wellhead Protection (WHP) Planning Issues Summary
Lake Elmo (PWSID 1820009)

DWSMA Vulnerability:

☐ *Very Low* ☐ *Low* ☒ *Moderate* ☐ *High* ☐ *Very High*

Drinking Water Protection Issues Identified to Date:

☒ *The clay-rich geologic materials covering the aquifer are thin, discontinuous, or leaky.*

Water Quality Detections and Implications:

☒ *The detection of tritium in some of the wells indicates these wells capture young (post-1953) recharge indicating that the aquifer is dominated by young recharge.*

Old Municipal Well Information:

☒ *The Minnesota Department of Health has compiled historical information for use in the planning process.*

Sanborn Maps:

☐ Sanborn Maps are available for this area

☒ Sanborn Maps are not available for this area

Recommended WHP Measures:

☒ *Consult with area hydro.*

- Obtain more area-specific hydraulic conductivity data in the area of the city wells to reduce model uncertainty and potentially to size of the capture zones and DWSMA. This can be completed by conducting additional pumping tests on the city wells during the maintenance or by gathering pumping tests conducted on newly installed high capacity wells. Responsibilities: the city of Lake Elmo staff; MDH can help identify if additional pumping tests were conducted on newly installed high capacity wells.

- Collect groundwater samples from Wells 1, 2, and 4 for analysis of chloride, bromide, sulfate, nitrate + nitrite as N, ammonia, and tritium. Timeframe: between year five and year seven. Responsibilities: the city of Lake Elmo staff to schedule with MDH; contingent on funding assistance from MDH for sample collection and analysis done by MDH. The city may need to collect the samples and ship them to MDH.

- Continue collecting groundwater samples for analysis of regulated contaminants and provide the data to MDH. Responsibilities: MDH staff to schedule with the city of Lake Elmo staff; sample collection and analysis done by MDH.

- Address PFC contamination concerns in the area. How does this effect existing wells and location of future public water supply wells.

This document is intended to be a summary of issues identified to date and is ***not intended to replace the required data elements identified in the Scoping 2 Decision Notice*** *nor is it intended to be an exhaustive list of all potential drinking water issues.*

Scoping 2 Decision Notice Attachment
Potential Contaminant Source Inventory Requirements

Moderately Vulnerable DWSMA

The following current and historical potential contaminant sources and related codes, materials and related codes, and activity status and related codes are required to be included in the potential contaminant source inventory. In cases where a materials identification is required, a materials designation and code must be assigned. All potential contaminant sources must be assigned an activity status and related code using state program descriptors or local knowledge.

Potential Contaminant Sources (PCS) Material	PCS Codes Material Codes
Above-Ground Storage Tank - Greater than 1100 gallons	AST
Chemicals	C000
Fertilizers	A050
Fuels, gases, and oils	F000
Hazardous substances	C001
Solvents and coatings	S000
Waste	W000
Agricultural Drainage Well (potential Class V)	ADW
Disposal Well (potential Class V)	DISWLL
Industrial Drainage Well (potential Class V)	INDW
Large Capacity Cesspool (potential Class V)	CVLCC
Large Capacity Waste Water Disposal Site (potential Class V)	CVWWD
Leaking Underground Storage Tank	LUST
Misc. Injection Well (potential Class V)	INJWLL
Motor Vehicle Waste Disposal Well (potential Class V)	CVMVW
Pipeline Facility	PLFAC
Potential Contamination Site[1]	PCS
Recharge Well (potential Class V)	RWLL
Reinjection Well (potential Class V)	RIWLL
Solid Waste Management Site	SWMS
Special Drainage Well (potential Class V)	SPDW
Spills	SPL
Storage or Preparation Area	STOR
Chemicals (include RMP facilities here)	C000
Fertilizers	A050
Fuels, gases, and oils	F000
Hazardous substances (include TRIS facilities here)	C001
Solvents and coatings	S000
Waste	W000

(Effective April 1, 2015)

Potential Contaminant Sources (PCS) Material	PCS Codes Material Codes
Stormwater Injection Well (potential Class V)	SWI
Suspected Contaminant of Concern	SCC
Chemical	C000
Food, agricultural, and consumer products	A000
Fuels, gases, and oils	F000
Materials and minerals	M000
Pathogens	P000
Solvents and coatings	S000
Waste	W000
Underground Storage Tank	UST
Chemicals	C000
Fertilizers	A050
Fuels, gases, and oils	F000
Hazardous substances	C001
Solvents and coatings	S000
Waste	W000
Wells	WEL

Footnotes:

[1]Potential Contamination Sites (PCS) include the following:

Brownfields (BMS)
Delisted State Superfund Sites (DPLP)
Federal Superfund Sites (NPL)
Hazardous Waste Investigative/cleanup (HWIC)
No Further Remedial Action Planned (NFRAP)
State Superfund Sites (PLP)
Suspected Hazardous Waste Site (CERCL)
Voluntary Investigative Cleanup (VIC)

Activity Status; Codes; and Descriptions

Status	Code	Description
Active	A	PCS is operative or in use. Examples: Animal feedlot is active. Well is in use or has maintenance permit.
Closed	C	PCS is inactive and is not open from a regulatory viewpoint. Example: Leaking storage tank site or landfill is closed.
Inactive	I	PCS is present but not currently active. Examples: Gravel pit is inactive. Well is un-used.
Removed	R	PCS has been removed. Example: Underground storage tank has been removed.
Unknown	U	Activity status of the PCS is not known definitely or has not been evaluated. Examples: Class V site status unknown. Well is thought to be sealed, but no official sealing record has been identified.

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
101	960	MOD	GW	163-0602920110011	Rainbow Foods	5825	NEAL	AVE	N	Oak Park Heights	55082	UST	R	F000	TS0122128	2	
102	960	MOD	GW	163-0602920110011	Rainbow Foods	5825	NEAL	AVE	N	Oak Park Heights	55082	PCS	C		PB3335	1	Brownfield
103	960	MOD	GW	163-0602920110013	Fury Chrysler Jeep Dodge Ram	12969	60TH	ST	N	Oak Park Heights	55082	LUST	C		LS0014153	1	
104	960	MOD	GW	163-0602920120012	SuperAmerica #4549	5804	NEAL	AVE	N	Oak Park Heights	55082	UST	A	F000	TS0020638	4	
105	960	MOD	GW	163-0602920120022	Stillwater Motor Co	5900	STILLWATER	BLVD	N	Stillwater	55082	LUST	C		LS0001813	1	
106	960	MOD	GW	163-0602920120022	Stillwater Motor Co	5900	STILLWATER	BLVD	N	Stillwater	55082	LUST	C		LS0016220	1	
107	960	MOD	GW	163-0602920120022	Stillwater Motor Co	5900	STILLWATER	BLVD	N	Stillwater	55082	LUST	C		LS0016508	1	
108	960	MOD	GW	163-0602920120022	Stillwater Motor Co	5900	STILLWATER	BLVD	N	Stillwater	55082	UST	R	F000	TS0004226	6	
109	960	MOD	GW	163-0602920120022	Stillwater Motor Co	5900	STILLWATER	BLVD	N	Stillwater	55082	AST	2A / 2C	F000	TS0004226	4	
110	960	MOD	GW	163-0602920210003	Buberl Recycling & Compost	5750	MEMORIAL	AVE	N	Stillwater	55082	LUST	C		LS0016395	1	
111	960	MOD	GW	163-0602920210003	Buberl Recycling & Compost	5750	MEMORIAL	AVE	N	Stillwater	55082	SWMS	A		PBR000860	1	Permit by Rule
112	960	MOD	GW	163-0602920210003	Buberl Recycling & Compost	5750	MEMORIAL	AVE	N	Stillwater	55082	SWMS	I		PBR000545	1	Permit by Rule
113	960	MOD	GW	163-0602920310005	Jerry Clipper Machine Shop	5469	STILLWATER	BLVD	N	OAK PARK HEIGHTS	55082	PCS	C		VP2510	1	Brownfield
114	960	MOD	GW	163-0602920310005	Stillwater Senior High(new Site)	5469	STILLWATER	BLVD	N	BAYTOWN TWP	55082	LUST	C		LS0004001	1	
115	960	MOD	GW	163-0602920310005	Jerry Clipper Machine Shop	5469	STILLWATER	BLVD	N	BAYTOWN TWP	55082	UST	R	F000	TS0014475	2	
116	960	MOD	GW	163-0602920410002	Stillwater Area High School	5701	STILLWATER	BLVD	N	OAK PARK HEIGHTS	55082	UST	A	F000	TS0017323	1	
117	959	MOD	GW	163-1302921230001	Lake Elmo Elementary School	11030	STILLWATER	BLVD	N	Lake Elmo	55042	UST	R	F000	TS0004186	1	
118	959	MOD	GW	163-1302921230001	Lake Elmo Elementary School	11030	STILLWATER	BLVD	N	Lake Elmo	55042	LUST	C		LS0005339	1	
119	959	MOD	GW	163-1302921230004	Brookman Motor Sales	11144	STILLWATER	BLVD	N	Lake Elmo	55042	UST	R	F000	TS0004229	4	
120	959	MOD	GW	163-1302921230004	Brookman Motor Sales	11144	STILLWATER	BLVD	N	Lake Elmo	55042	LUST	C		LS0006982	1	
121	959	MOD	GW	163-1302921230077	Lake Elmo Oil					Lake Elmo	55042	UST	6A / 1R	F000	TS0004225	7	
122	959	MOD	GW	163-1302921230078	St. Croix Sensory	3549	LAKE ELMO	AVE	N	Lake Elmo	55042	LUST	C		LS0016662	1	Petroleum
123	959	MOD	GW	163-1302921320052	Lake Elmo Oil Co					Lake Elmo	55042	AST	U	F000	TS0053114	6	
124	959	MOD	GW	163-1302921320052	Lake Elmo Oil Co					Lake Elmo	55042	LUST	C		LS0015530	1	
125	960	MOD	GW	163-3403021430003	Stillwater Veterinary Clinic	9550	60TH	ST	N	GRANT	55082	UST	R	F000	TS0020893	1	
126	960	MOD	GW	163-3503021110007	Peterson Residence	10970	69TH	ST	N	GRANT	55082	LUST	C		13889	1	
127	960	MOD	GW	163-3503021440002	Hansman Industries Inc	10860	60TH	ST	N	GRANT	55082	LUST	C		LS0006399	1	Petroleum
128	960	MOD	GW	163-3503021440002	Hansman Industries Inc	10860	60TH	ST	N	GRANT	55082	UST	R	F000	TS0018085	3	
129	960	MOD	GW	163-3503021440005	Needham Distributing Co Inc	6080	LAKE ELMO	AVE	N	GRANT	55082	UST	R	F000	TS0004249	2	
130	960	MOD	GW	163-3503021440005	Needham Distributing Co Inc	6080	LAKE ELMO	AVE	N	GRANT	55082	LUST	C		LS0009285	1	Petroleum
131	960	MOD	GW	163-3603021330002	Buberl Black Dirt Inc	6211	LAKE ELMO	AVE	N	GRANT	55082	SWMS	A		PBR001073	1	Permit by Rule
132	960	MOD	GW	163-3603021330005	American Polywater Corp	11222	60TH	ST	N	GRANT	55082	AST	C	F000	TS0125805	2	
133	960	MOD	GW	163-3603021330016	Valley Custom Mold	11020	60TH	ST	N	GRANT	55082	UST	R	F000	TS0011774	3	
134	960	MOD	GW	163-3603021330017	Suburban Lighting	6077	LAKE ELMO	AVE	N	GRANT	55082	PCS	I		VP8170	1	Brownfield
135	960	MOD	GW	163-3603021330017	Suburban Lighting	6077	LAKE ELMO	AVE	N	GRANT	55082	PCS	I		VP8171	1	Brownfield
136	960	MOD	GW	163-3603021330017	Suburban Lighting	6077	LAKE ELMO	AVE	N	GRANT	55082	LUST	C		LS0004161	1	Petroleum
137	960	MOD	GW	163-3603021330017	Suburban Lighting	6077	LAKE ELMO	AVE	N	GRANT	55082	UST	R	F000	TS0004243	3	
482	959	MOD	GW	163-1302921320069	CITY OF LAKE ELMO	3303	LANGLY	CT	N	LAKE ELMO	55042	WEL	A		00208448	1	
483	959	MOD	GW	163-1302921330016	WILLIAMS TODD R & MARJORIE F	3025	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00276627	1	
484	959	MOD	GW	163-1402921210006	DANNA LOUIS P JR & LEEANN M	3871	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00653772	1	
485	959	MOD	GW	163-1402921210007	BUSS SCOTT T & STEPHANIE G	3849	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00663157	1	
486	959	MOD	GW	163-1402921210008	BURBACH MICHAEL J & ANNE M	3914	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00631524	1	
487	959	MOD	GW	163-1402921210009	WALLACE FRANCIS J & EMMYLOU M	3890	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00659059	1	
488	959	MOD	GW	163-1402921210010	HANSON FAMILY TRS	3862	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00613407	1	
489	959	MOD	GW	163-1402921210011	OLSON DOUGLAS E & ROBERTA J	3834	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00638909	1	
490	959	MOD	GW	163-1402921210012	ALESSO CRAIG M & MARY L	3806	KINDRED	WAY	N	LAKE ELMO	55042	WEL	A		00620329	1	
491	959	MOD	GW	163-1402921210013	BARWICK CHRISTY M & JOSEPH	3778	KINDRED	CT		LAKE ELMO	55042	WEL	A		00735648	1	
492	959	MOD	GW	163-1402921210014	BESTLER DAVID C & SUSAN L	3756	KINDRED	CT		LAKE ELMO	55042	WEL	A		00712749	1	
493	959	MOD	GW	163-1402921210015	LALONDE JOHN R & MALIN V	3736	KINDRED	CT		LAKE ELMO	55042	WEL	A		00664153	1	
494	959	MOD	GW	163-1402921210016	TRS AGR JAN M JACOBSON	3720	KINDRED	CT		LAKE ELMO	55042	WEL	A		00620330	1	
495	959	MOD	GW	163-1402921210017	HIETPAS TOM P & SARAH M	3704	KINDRED	CT		LAKE ELMO	55042	WEL	A		00667017	1	
496	959	MOD	GW	163-1402921240002	RICCARDI JOHN L & HEATHER A	3503	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257908	1	
497	959	MOD	GW	163-1402921240003	GIBBONS JAMES C & JEANNE M BEAUBIEN	3681	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00439126	1	
498	959	MOD	GW	163-1402921240005	CHAVEZ JOSE & JOAN S	3505	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00182916	1	
499	959	MOD	GW	163-1402921240007	BUCHAL CONNIE	3533	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257940	1	
500	959	MOD	GW	163-1402921240009	EARLE L KASK TRS	3551	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00493185	1	
501	959	MOD	GW	163-1402921240010	LOOS DAVID S & WENDY	3567	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257938	1	
502	959	MOD	GW	163-1402921240011	SCHILTGEN ROBERT J TRS & MARY J HOGAN-SCHILTGE	3509	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257939	1	
503	959	MOD	GW	163-1402921240012	CURRAN PATRICK A & DIANE J	3607	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257244	1	
504	959	MOD	GW	163-1402921310001	OLSON FONDA R	10472	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00257907	1	
505	959	MOD	GW	163-1402921310002	JUREK KATHLEEN F & EDWARD	10350	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00153462	1	
506	959	MOD	GW	163-1402921320001	KALLEVANG STEVEN E & LINDA E	10120	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00413596	1	
507	959	MOD	GW	163-1402921320002	GUSTAFSON NANCY ELLEN	10194	STILLWATER	LN	N	LAKE ELMO	55082	WEL	A		00257754	1	
508	959	MOD	GW	163-1402921320003	BUEGE THOMAS M & JONI M STENE	10212	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00257970	1	
509	959	MOD	GW	163-1402921320004	TAVERNA ROBERT J & JUDITH M	10174	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00257969	1	
510	959	MOD	GW	163-1402921320007	BERGMARK MIRIAM J					LAKE ELMO		WEL	A		00257752	1	
511	959	MOD	GW	163-1402921320010	GRUNDNER MICHELLE L	10092	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00257753	1	
512	959	MOD	GW	163-1402921320012	ROGERS WILLIAM J & JUDY D	3490	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257934	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
514	959	MOD	GW	163-1402921320014	HEDQUIST RICHARD A & PATRICI	3440	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257936	1	
515	959	MOD	GW	163-1402921320016	FRENIER ANTOINE & ANDREA MEYER	10240	STILLWATER	LN	N	LAKE ELMO	55042	WEL	A		00257918	1	
516	959	MOD	GW	163-1402921320019	LINDER ALBERT R & JUDITH A	3508	KELVIN	AVE	N	LAKE ELMO	55042	WEL	A		00257756	1	
517	959	MOD	GW	163-1402921320024	COMMON GROUND CHURCH	10240	STILLWATER	BLVD	N	LAKE ELMO	55042	WEL	A		00151756	1	
518	959	MOD	GW	163-1402921410002	SCHILTGEN FARMS INC	10830	STILLWATER	BLVD	N	LAKE ELMO	55042	WEL	A		00526319	1	
520	959	MOD	GW	163-1402921420001	JOHNSON ADAM C & LINDSAY N WELLS	10550	STILLWATER	BLVD	N	LAKE ELMO	55042	WEL	A		00404199	1	
521	959	MOD	GW	163-1402921420002	HILPISCH THOMAS A & KATHRYN	10732	STILLWATER	BLVD	N	LAKE ELMO	55042	WEL	A		00257906	1	
522	959	MOD	GW	163-1402921420003	MONTAGUE MARIANNE	3360	KLONDIKE	AVE	N	LAKE ELMO	55042	WEL	A		00257905	1	
523	959	MOD	GW	163-1402921430001	BRUCHU TODD & MARGO L	3150	KLONDIKE	AVE	N	LAKE ELMO	55042	WEL	A		00469849	1	
524	959	MOD	GW	163-1402921440025	LOUISE M ENGWER TRS	10823	32ND	ST	N	LAKE ELMO	55042	WEL	A		00424114	1	
525	959	MOD	GW	163-1402921440026	BASSET ROBERT JR & PAMELA A BAILEY	3161	KLONDIKE	AVE	N	LAKE ELMO	55042	WEL	A		00257903	1	
526	959	MOD	GW	163-1402921440026	BASSET ROBERT JR & PAMELA A BAILEY	3161	KLONDIKE	AVE	N	LAKE ELMO	55042	WEL	A		00151703	1	
527	959	MOD	GW	163-1402921440030	MOLINE JAMES T	3077	KLONDIKE	AVE	N	LAKE ELMO	55042	WEL	A		00257901	1	
528	959	MOD	GW	163-2302921110004	MAGNUSON KEVIN M	3047	KLONDIKE	AVE	N	LAKE ELMO	55042	WEL	A		00257899	1	
201	960	MOD	GW	163-0102921110008	TAX FORF LAND-STATE OF MN					LAKE ELMO		WEL	A		00739824	1	
202	960	MOD	GW	163-0102921110008	TAX FORF LAND-STATE OF MN					LAKE ELMO		WEL	A		00739823	1	
204	960	MOD	GW	163-0102921140002	THE SANCTUARY LLC					LAKE ELMO		WEL	A		00150887	1	
205	960	MOD	GW	163-0102921220002	BERGMANN RICHARD J & EILEEN	11211	60TH	ST	N	LAKE ELMO	55042	WEL	A		00412463	1	
701	960	MOD	GW	163-0102921220004	MILLER TERRY & JULIE A	5819	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		780096	1	
206	960	MOD	GW	163-0102921230001	WEBER STEVEN J	5577	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00154494	1	
207	960	MOD	GW	163-0102921230011	NEUMAN MICHAEL P & NELSON M J	5685	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00142311	1	
208	960	MOD	GW	163-0102921230011	NEUMAN MICHAEL P & NELSON M J	5685	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00524633	1	
209	960	MOD	GW	163-0102921320006	POTT MICHAEL W	5429	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00441759	1	
210	960	MOD	GW	163-0102921330001	DOWNING DAVID E & DEBRA A	5135	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00533976	1	
211	960	MOD	GW	163-0102921330001	DOWNING DAVID E & DEBRA A	5135	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00521878	1	
212	960	MOD	GW	163-0102921330004	CITY OF LAKE ELMO	11210	50TH	ST	N	LAKE ELMO	55042	WEL	A		00767874	1	
702	960	MOD	GW	163-0102921330006	SAFFLE JEFFREY R & SUSAN A	11180	50TH	ST	N	LAKE ELMO	55042	WEL	A		792011	1	
213	960	MOD	GW	163-0102921340001	VANDERHOFF KEVIN & AMY	11384	50TH	ST	N	LAKE ELMO	55042	WEL	A		00794367	1	
214	960	MOD	GW	163-0102921340004	HANSEN JAMES D & SUSAN J	11260	50TH	ST	N	LAKE ELMO	55042	WEL	A		00507799	1	
215	960	MOD	GW	163-0102921440007	WALLRICH WILLIAM T & PHYLLIS A	5067	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00616929	1	
216	960	MOD	GW	163-0102921440009	MARIETTA MICHAEL P & ELIZABETH	5079	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00637412	1	
217	960	MOD	GW	163-0102921440010	WILKE BERNARD A & JEANNE A	5085	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00620311	1	
218	960	MOD	GW	163-0102921440010	WILKE BERNARD A & JEANNE A	5085	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00637413	1	
219	960	MOD	GW	163-0102921440017	GALL LINDA L & RICHARD T	5235	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00446300	1	
220	960	MOD	GW	163-0102921440018	GMEINDER MARK J & LORI	5257	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00628254	1	
221	960	MOD	GW	163-0102921440019	MEZERA RONALD L & HOLLY B	5279	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00628255	1	
222	960	MOD	GW	163-0102921440020	CAMPBELL NATHAN J & CAITLIN M	5308	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00616928	1	
223	960	MOD	GW	163-0102921440021	MCGINLEY KENNETH C & ELIZABETH	5288	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00656715	1	
224	960	MOD	GW	163-0102921440022	WORM THOMAS B & MELISSA R L	5264	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00626566	1	
225	960	MOD	GW	163-0102921440023	SCHUMACHER STEPHEN J	5038	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00609512	1	
226	960	MOD	GW	163-0102921440024	COLE LUCAS C & STACY L	5080	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00642414	1	
227	960	MOD	GW	163-0102921440025	HANSEN CRAIG T & ANNE E	5226	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00622240	1	
228	960	MOD	GW	163-0102921440027	PALMER STEVEN D & KATHLEEN A	5041	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00641464	1	
229	960	MOD	GW	163-0102921440028	KATHERINE J LEONIDAS REV TRS	5049	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00657036	1	
230	960	MOD	GW	163-0102921440029	BROCHMAN JUNE TRS	5057	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00649694	1	
231	960	MOD	GW	163-0102921440030	VINESKI VICKI R & RICHARD E	5063	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00641490	1	
232	960	MOD	GW	163-0202921110002	RIVER VALLEY CHRISTIAN CHURCH	5900	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00569739	1	
233	960	MOD	GW	163-0202921120002	BERGMANN RICHARD J & EILEEN	5500	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00694933	1	
234	960	MOD	GW	163-0202921220001	ZIERTMAN STEVEN R & JOAN M	5761	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00506142	1	
236	960	MOD	GW	163-0202921230003	SESSING RODNEY N & DIANE L	5699	KEATS	AVE		LAKE ELMO	55042	WEL	A		00506136	1	
237	960	MOD	GW	163-0202921230005	HERMANSON CHRISTINE L	5545	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00130903	1	
238	960	MOD	GW	163-0202921310005	MAGILL JOSEPH M & MAUREEN M	5275	KEATS	AVE		LAKE ELMO	55042	WEL	A		00548314	1	
239	960	MOD	GW	163-0202921320002	BERGER KATHLEEN A & DUSTIN M	5435	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00556147	1	
240	960	MOD	GW	163-0202921330001	GEORGE S DEGE & KATHLEEN A RHEIN-DEGE REV TRS	5193	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00678163	1	
242	960	MOD	GW	163-0202921410006	YVETTE M OLDENDORF LIVING TRS	5418	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00163745	1	
243	960	MOD	GW	163-0202921420001	HESSE RICHARD D & ROSALIE M	5235	KIRKWOOD	AVE	N	LAKE ELMO	55042	WEL	A		00633294	1	
244	960	MOD	GW	163-0202921420002	BASARA DOUGLAS J & ELIZABETH J	5300	KIRKWOOD	AVE	N	LAKE ELMO	55042	WEL	A		00163781	1	
245	960	MOD	GW	163-0202921420003	LAATSCH JOHN M & MARY CANE LAATSCH	5760	KIRKWOOD	AVE	N	LAKE ELMO	55042	WEL	A		00121049	1	
246	960	MOD	GW	163-0202921430001	DAVIS LLOYD O & JACQUELINE D	10550	50TH	ST	N	LAKE ELMO	55042	WEL	A		00448256	1	
247	960	MOD	GW	163-0202921430002	TRS ANTHONY P MANZARA	5050	KIRKWOOD	AVE	N	LAKE ELMO	55042	WEL	A		00447198	1	
248	960	MOD	GW	163-0202921430004	THOMPSON CARMEN M	5170	KIRKWOOD	AVE	N	LAKE ELMO	55042	WEL	A		00506662	1	
249	960	MOD	GW	163-0202921440005	HALVERSON KENNETH K & PAULINE	5190	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00427649	1	
250	960	MOD	GW	163-0202921440006	FLEMING JOSEPH L	5040	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00421223	1	
251	960	MOD	GW	163-0302921110009	DELGRECO PETER & JONNILEE	9880	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00637766	1	
252	960	MOD	GW	163-0302921110010	BENNING CARLA	9858	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00656745	1	
253	960	MOD	GW	163-0302921110011	FAUST DAVID J & DENISE M	9836	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00660185	1	
254	960	MOD	GW	163-0302921110012	HILGERS MICHAEL E & KIM MARIE	9818	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00649678	1	
255	960	MOD	GW	163-0302921110013	ANDRUS DOUGLAS E & PATRICIA A	9831	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00648854	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
256	960	MOD	GW	163-0302921110014	ZABEL ELIZABETH & ADAM SLINGER	9849	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00626948	1	
257	960	MOD	GW	163-0302921110015	LYNSKEY MICHAEL J JR	9867	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00645603	1	
258	960	MOD	GW	163-0302921110016	FERRIS DAVID & KIMBERLY CLARK	9885	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00628297	1	
259	960	MOD	GW	163-0302921110019	ELLIS RICHARD P & MARY E	9902	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00659054	1	
260	960	MOD	GW	163-0302921110020	ANN MARIE WIELAND TRS	9910	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00659055	1	
261	960	MOD	GW	163-0302921110021	BOYLE EDWARD & MARLENE	9918	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00659056	1	
262	960	MOD	GW	163-0302921110022	SUZANNE F HAWKINS TRS	9924	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00659057	1	
263	960	MOD	GW	163-0302921110023	KOSLOWSKI LINDA A	9917	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00631549	1	
264	960	MOD	GW	163-0302921110024	FLOCK PETER D & CAROLYN F	9913	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00631548	1	
265	960	MOD	GW	163-0302921110025	ARRIGONI GERALD & PATRICIA	9905	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00648853	1	
266	960	MOD	GW	163-0302921110026	BEER TIMOTHY H & KELLY J	9901	59TH STREET	CT	N	LAKE ELMO	55042	WEL	A		00648852	1	
267	960	MOD	GW	163-0302921120001	LAUSENG RUBEN D & LAUDINE P	9591	60TH	ST	N	LAKE ELMO	55042	WEL	A		00127551	1	
268	960	MOD	GW	163-0302921130003	CHLEBECK STEPHEN JR & PATRICIA A BARRETT	9692	57TH	ST	N	LAKE ELMO	55042	WEL	A		00588127	1	
269	960	MOD	GW	163-0302921130004	LISA L BURBAN TRS	9612	57TH	ST	N	LAKE ELMO	55042	WEL	A		00548715	1	
270	960	MOD	GW	163-0302921130005	JOSTES ERIK E & DENISE	9568	57TH	ST	N	LAKE ELMO	55042	WEL	A		00558208	1	
271	960	MOD	GW	163-0302921130006	BERGIE BRADLEY L TRS & MARCIA A BERGIE TRS	9481	57TH	ST	N	LAKE ELMO	55042	WEL	A		00572119	1	
272	960	MOD	GW	163-0302921130007	STEELE GREGORY J	9543	57TH	ST	N	LAKE ELMO	55042	WEL	A		00541309	1	
273	960	MOD	GW	163-0302921130008	JESKA JOHN E & PATRICIA J	9605	57TH	ST	N	LAKE ELMO	55042	WEL	A		00544375	1	
274	960	MOD	GW	163-0302921130010	WARNSHOLZ REYNOLD A & LINDA M RAMSAY	5673	JULEP	WAY		LAKE ELMO	55042	WEL	A		00672581	1	
275	960	MOD	GW	163-0302921130011	RICHARD K KAISER & RHONDA J KIMLER TRS	5629	JULEP	WAY		LAKE ELMO	55042	WEL	A		00698196	1	
276	960	MOD	GW	163-0302921130012	YOUNG JAMES & BREE	5611	JULEP	WAY	N	LAKE ELMO	55042	WEL	A		00670743	1	
277	960	MOD	GW	163-0302921130013	FICK WADE A & JULIE L	5638	JULEP	WAY		LAKE ELMO	55042	WEL	A		00670726	1	
278	960	MOD	GW	163-0302921130014	VANG WANGTHOR	5660	JULEP	WAY		LAKE ELMO	55042	WEL	A		00686610	1	
279	960	MOD	GW	163-0302921140002	RICHARD J EGERSDORF LIV TRS 2/9/16	9960	57TH	ST	N	LAKE ELMO	55042	WEL	A		00572128	1	
280	960	MOD	GW	163-0302921140003	PEDERSEN JEFFREY C & SHERRY	9896	57TH	ST	N	LAKE ELMO	55042	WEL	A		00550810	1	
281	960	MOD	GW	163-0302921140004	WEATHERUP ROBERT J & COREY M	9844	57TH	ST	N	LAKE ELMO	55042	WEL	A		00600952	1	
282	960	MOD	GW	163-0302921140005	JURAN LEONARD D & BONNIE M	9784	57TH	ST	N	LAKE ELMO	55042	WEL	A		00554391	1	
283	960	MOD	GW	163-0302921140006	LY MONGSHER M & SIA LO	9965	57TH	ST	N	LAKE ELMO	55042	WEL	A		00547952	1	
284	960	MOD	GW	163-0302921140007	TANSOM COREY	9875	57TH	ST	N	LAKE ELMO	55042	WEL	A		00535805	1	
285	960	MOD	GW	163-0302921140008	BOETTCHER JEFFREY A & KARISSA	5630	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00779035	1	
287	960	MOD	GW	163-0302921140009	CITIBANK NA	9961	55TH	ST	N	LAKE ELMO	55042	WEL	A		00678160	1	
288	960	MOD	GW	163-0302921140010	ANTONELLO JOSEPH R & ANGELEEN M ANTONELLO	9873	55TH	ST	N	LAKE ELMO	55042	WEL	A		00670730	1	
289	960	MOD	GW	163-0302921140011	CHERRY JONATHAN C & ANN M	9855	55TH	ST	N	LAKE ELMO	55042	WEL	A		00756080	1	
290	960	MOD	GW	163-0302921140012	ANDERSON ROBERT O III & JENNIFER L ANDERSON	9800	55TH	ST	N	LAKE ELMO	55042	WEL	A		00670721	1	
291	960	MOD	GW	163-0302921140013	VANG PHIA N & VUE YER	9830	55TH	ST	N	LAKE ELMO	55042	WEL	A		00672528	1	
293	960	MOD	GW	163-0302921210004	BROGREN KARL E & SANDRA J	9696	55TH	ST	N	LAKE ELMO	55042	WEL	A		00500467	1	
294	960	MOD	GW	163-0302921210005	SCHAD DAVID L & GINA M	9744	55TH	ST	N	LAKE ELMO	55042	WEL	A		00616947	1	
295	960	MOD	GW	163-0302921210006	SANDBERG ROCHELLE M	9798	55TH	ST	N	LAKE ELMO	55042	WEL	A		00637184	1	
703	960	MOD	GW	163-0302921210007	HUGHES ALEXANDER	9747	55TH	ST	N	LAKE ELMO	55042	WEL	A		802763	1	
296	960	MOD	GW	163-0302921210008	PAWLUK GARTH R & SUSAN M	9719	55TH	ST	N	LAKE ELMO	55042	WEL	A		00637423	1	
297	960	MOD	GW	163-0302921240003	HUGHES JOHN R & CHARLENE	9455	55TH	ST	N	LAKE ELMO	55042	WEL	A		00609392	1	
298	960	MOD	GW	163-0302921240004	DIAZ JIMMY	9515	55TH	ST	N	LAKE ELMO	55042	WEL	A		00674174	1	
299	960	MOD	GW	163-0302921240005	RADERS DEAN A & PRATHER H P JR	9589	55TH	ST	N	LAKE ELMO	55042	WEL	A		00672543	1	
300	960	MOD	GW	163-0302921240006	TAIPALE HARVEY J & GAYLE E	9275	57TH	ST	N	LAKE ELMO	55042	WEL	A		00625470	1	
301	960	MOD	GW	163-0302921240007	AUGER THOMAS & MARY	9486	55TH	ST	N	LAKE ELMO	55042	WEL	A		00599962	1	
302	960	MOD	GW	163-0302921240008	STEELE DAVID & DEBORAH	9576	55TH	ST	N	LAKE ELMO	55042	WEL	A		00600982	1	
303	960	MOD	GW	163-0302921240009	GRABOWSKI DENNIS J & SANDRA L GRABOWSKI	9652	55TH	ST	N	LAKE ELMO	55042	WEL	A		00637440	1	
304	960	MOD	GW	163-0302921410002	EGGEN PETER D & PAMELA K	5250	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00186982	1	
305	960	MOD	GW	163-0302921410003	NELSON CYNTHIA JANE	5240	KEATS	AVE	N	LAKE ELMO	55042	WEL	A		00163433	1	
306	960	MOD	GW	163-0302921410004	BRUCE R & LEANN M KAUFENBERG TRS	9940	53RD	ST	N	LAKE ELMO	55042	WEL	A		00524219	1	
307	960	MOD	GW	163-0302921410005	HOPKINS DANIEL J & JULIE L	9890	53RD	ST	N	LAKE ELMO	55042	WEL	A		00544382	1	
308	960	MOD	GW	163-0302921410006	COONS GERARD T & DEBORAH M	9834	53RD	ST	N	LAKE ELMO	55042	WEL	A		00544323	1	
309	960	MOD	GW	163-0302921410007	CHO CHANG HA & KIMBERLY M	9945	53RD	ST	N	LAKE ELMO	55042	WEL	A		00546307	1	
310	960	MOD	GW	163-0302921410008	MEUWISSEN JOHN P	9895	53RD	ST	N	LAKE ELMO	55042	WEL	A		00536671	1	
311	960	MOD	GW	163-0302921410009	CATTANACH REXFORD K & LYNN B	9855	53RD	ST	N	LAKE ELMO	55042	WEL	A		00542056	1	
312	960	MOD	GW	163-0302921410010	WEINBERGER WILLIAM J & CHONG H	9805	53RD	ST	N	LAKE ELMO	55042	WEL	A		00596880	1	
313	960	MOD	GW	163-0302921420003	LEMONDS ROBERT A & JOANNE F	9768	53RD	ST	N	LAKE ELMO	55042	WEL	A		00525867	1	
314	960	MOD	GW	163-0302921420004	STODDARD ROGER C & JERI L	9710	53RD	ST	N	LAKE ELMO	55042	WEL	A		00531412	1	
315	960	MOD	GW	163-0302921420005	SPIKE KIRBY R & JULIE R	9670	53RD	ST	N	LAKE ELMO	55042	WEL	A		00542051	1	
316	960	MOD	GW	163-0302921420006	NIELSEN GREGG A & JULIE A	9636	53RD	ST	N	LAKE ELMO	55042	WEL	A		00518886	1	
317	960	MOD	GW	163-0302921420007	KOHLER ROBERT E & REBECCA L	9618	53RD	ST	N	LAKE ELMO	55042	WEL	A		00493227	1	
318	960	MOD	GW	163-0302921420008	MOELLER STEVEN J & HEIDI	9580	53RD	ST	N	LAKE ELMO	55042	WEL	A		00531825	1	
319	960	MOD	GW	163-0302921420009	HILDEBRANDT EDWARD J & VIRGINIA	9765	53RD	ST	N	LAKE ELMO	55042	WEL	A		00138364	1	
320	960	MOD	GW	163-0302921420010	DARRELL J OMAN & CONNIE M OMAN TRS	9715	53RD	ST	N	LAKE ELMO	55042	WEL	A		00539249	1	
321	960	MOD	GW	163-0302921420011	KERAN TIMOTHY & CONSTANCE	9655	53RD	ST	N	LAKE ELMO	55042	WEL	A		00517017	1	
322	960	MOD	GW	163-0302921420012	MICHEL WILLIAM D & RAE ANN	9605	53RD	ST	N	LAKE ELMO	55042	WEL	A		00493190	1	
323	960	MOD	GW	163-0302921420013	PEPIN DOUGLAS RICHARD & KAREN	9571	53RD	ST	N	LAKE ELMO	55042	WEL	A		00493193	1	
324	960	MOD	GW	163-0302921420014	YOUSSEF ALI K & EMILY A BRUNNER	9535	53RD	ST	N	LAKE ELMO	55042	WEL	A		00514351	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
325	960	MOD	GW	163-0602920110013	LEONARD INVESTMENTS LLC	12969	60TH	ST	N	OAK PARK HEIGHTS	55082	WEL	A		00427862	1	
326	960	MOD	GW	163-0602920120005	TUCKNER ROGER L & BRUCE M	5920	MEMORIAL	AVE	N	OAK PARK HEIGHTS	55082	WEL	A		00493229	1	
327	960	MOD	GW	163-0602920210002	ISD 834 STILLWATER					OAK PARK HEIGHTS		WEL	A		00517024	1	
328	960	MOD	GW	163-0602920210006	SECURE MINI STORAGE LMTD PAR & DEPT PT MN 25560					OAK PARK HEIGHTS		WEL	A		00594338	1	
331	960	MOD	GW	163-0602920230001	DEUTSCHE BANK NATL TRS CO TRS	5651	MANNING	AVE	N	STILLWATER TWP	55082	WEL	A		00415914	1	
332	960	MOD	GW	163-0602920230006	CAROL ANN PALMQUIST TRS	12202	55TH	ST	N	LAKE ELMO	55042	WEL	A		00415658	1	
333	960	MOD	GW	163-0602920230007	LONGACRE WALTER H	12058	55TH	ST	N	LAKE ELMO	55082	WEL	A		00518391	1	
334	960	MOD	GW	163-0602920240006	STILLWATER WEST LLC	5635	MEMORIAL	AVE	N	OAK PARK HEIGHTS	55082	WEL	A		00571531	1	
335	960	MOD	GW	163-0602920240020	W A T E ENTERPRISES INC	5620	MEMORIAL	AVE	N	OAK PARK HEIGHTS	55082	WEL	A		00561770	1	
336	960	MOD	GW	163-0602920240036	HARKLAU LEASING LLC	5595	MEMORIAL	AVE	N	OAK PARK HEIGHTS	55082	WEL	A		00575602	1	
337	960	MOD	GW	163-0602920310005	KERN JOHN W	5469	STILLWATER	BLVD	N	OAK PARK HEIGHTS	55082	WEL	A		00604251	1	
338	960	MOD	GW	163-0602920310006	VANG KOU & DAWN S	5345	STILLWATER	BLVD	N	BAYTOWN TWP	55082	WEL	A		00641463	1	
339	960	MOD	GW	163-0602920310012	SMITH BETTY S	12460	MARQUESS	WAY	N	LAKE ELMO	55042	WEL	A		00106285	1	
340	960	MOD	GW	163-0602920320012	NIELSEN REDGIE & BROOKE	5310	MARQUESS	TRL	N	LAKE ELMO	55042	WEL	A		00441893	1	
341	960	MOD	GW	163-0602920320036	UELAND ANDREA M & ANDREW T	12100	MARQUESS	LN	N	LAKE ELMO	55042	WEL	A		00442164	1	
342	960	MOD	GW	163-0602920330026	CARRIAGE STATION HOMWNERS ASSN					LAKE ELMO		WEL	A		00652469	1	
343	960	MOD	GW	163-0602920330026	CARRIAGE STATION HOMWNERS ASSN					LAKE ELMO		WEL	A		00652466	1	
344	960	MOD	GW	163-0602920330026	CARRIAGE STATION HOMWNERS ASSN					LAKE ELMO		WEL	A		00652465	1	
345	960	MOD	GW	163-0602920330026	CARRIAGE STATION HOMWNERS ASSN					LAKE ELMO		WEL	A		00603085	1	
346	960	MOD	GW	163-0602920340004	PUGH TEMRE K & THOMAS C	12335	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00529100	1	
347	960	MOD	GW	163-0602920340005	THABET FADILA M & MOHAMMAD K	12425	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00470355	1	
348	960	MOD	GW	163-0602920340006	KOZOL THEODORE J JR	12340	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00446298	1	
349	960	MOD	GW	163-0602920340007	WEERSMA MARK A & KATHLEEN S	12420	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00446297	1	
350	960	MOD	GW	163-0602920340007	WEERSMA MARK A & KATHLEEN S	12420	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00446286	1	
351	960	MOD	GW	163-0602920340008	XIONG ALY G & LEE-XIONG MAI T	12480	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00446301	1	
352	960	MOD	GW	163-0602920340009	ST JOHNS EVANGELICAL LUTHERAN CHURCH	5274	STILLWATER	BLVD	N	LAKE ELMO	55042	WEL	A		00756471	1	
353	960	MOD	GW	163-0602920410002	ISD 834 STILLWATER	5701	STILLWATER	BLVD	N	OAK PARK HEIGHTS	55082	WEL	A		00482705	1	
354	960	MOD	GW	163-0602920410002	ISD 834 STILLWATER	5701	STILLWATER	BLVD	N	OAK PARK HEIGHTS	55082	WEL	A		00199545	1	
355	960	MOD	GW	163-0602920410002	ISD 834 STILLWATER	5701	STILLWATER	BLVD	N	OAK PARK HEIGHTS	55082	WEL	A		00482704	1	
356	960	MOD	GW	163-0602920410003	JOHNSON CHRISTOPHER T & MARILYN M JOHNSON	12880	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00603279	1	
357	960	MOD	GW	163-0602920410004	VIESSMAN TERESA FAE	12930	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00531439	1	
358	960	MOD	GW	163-0602920410005	MELCHIOR BARRY R & BARBARA A	12980	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00536678	1	
359	960	MOD	GW	163-0602920410006	KUNZ GREGORY F & CATHLEEN A	12820	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00562400	1	
360	960	MOD	GW	163-0602920410007	STEWART JANE E	12850	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00575668	1	
361	960	MOD	GW	163-0602920420001	MOTTER NICHOLAS R & AMANDA J	5340	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00562774	1	
362	960	MOD	GW	163-0602920420002	POZZINI GLORIA J	5360	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00546258	1	
363	960	MOD	GW	163-0602920420003	BENSON PAUL & PAMELA	5380	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00593648	1	
364	960	MOD	GW	163-0602920420004	KNOX TIMOTHY J & MARYBETH H ROSELL	5355	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00573757	1	
365	960	MOD	GW	163-0602920420005	EDISON THOMAS J & LISA J	5343	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00756469	1	
366	960	MOD	GW	163-0602920420006	RHEINBERGER FRANCIS J & KAREN	5325	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00575663	1	
367	960	MOD	GW	163-0602920430002	PARENTEAU WILLIAM	12515	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00466766	1	
368	960	MOD	GW	163-0602920430003	DINH ROP VAN & MINH NGUYEN	12565	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00440100	1	
369	960	MOD	GW	163-0602920430004	SCHMIESING MICHAEL E & SANDRA	12595	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00450545	1	
370	960	MOD	GW	163-0602920430005	HEIN DOUGLAS L & LINDA S	12520	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00446310	1	
371	960	MOD	GW	163-0602920430006	ZAUNER RANDALL H & KIMBERLY A	12580	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00448689	1	
372	960	MOD	GW	163-0602920430007	ROBACK NATHAN & MELISSA	12640	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00448698	1	
373	960	MOD	GW	163-0602920430008	STENNES TODD A & ANN M	12645	53RD STREET	CT	N	BAYTOWN TWP	55082	WEL	A		00531844	1	
374	960	MOD	GW	163-0602920430009	MCGANN DIANE M & JAMES N	12685	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00457686	1	
375	960	MOD	GW	163-0602920430010	REEVES ELIZABETH MOLUMBY	12717	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00507671	1	
376	960	MOD	GW	163-0602920430011	CARLSON REED & KATHLEEN	5320	MONARDA	AVE	N	BAYTOWN TWP	55082	WEL	A		00577861	1	
377	960	MOD	GW	163-0602920440002	NORGAARD MONTE L TRS	12747	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00555858	1	
378	960	MOD	GW	163-0602920440003	WILLETT JASON M W & SARA J W WATSON	12811	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00761688	1	
379	960	MOD	GW	163-0602920440004	NIKOLAI ERIC A & CARRIE A	5270	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00511723	1	
380	960	MOD	GW	163-0602920440005	MICHAEL L THIETS REV TRS	5230	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00518363	1	
381	960	MOD	GW	163-0602920440006	SEUM CHARLES S & ROBERTA G	5190	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00514345	1	
382	960	MOD	GW	163-0602920440007	JANICE M ST ORES LIVING TRS	5150	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00599983	1	
383	960	MOD	GW	163-0602920440008	THALACKER VICTOR P & CONNIE L	5151	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00493213	1	
384	960	MOD	GW	163-0602920440009	MEITZ PATRICK G & DIANE L	5177	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00641492	1	
385	960	MOD	GW	163-0602920440010	HASLACH JAMES O	5205	MUIR	AVE	N	BAYTOWN TWP	55082	WEL	A		00464661	1	
386	960	MOD	GW	163-0602920440011	NAPIWOCKI HENRY H & GRAZYNA E	12961	53RD	ST	N	BAYTOWN TWP	55082	WEL	A		00521889	1	
387	960	MOD	GW	163-0702920110006	RITT JOHN A & MARY E	4587	MCDONALD DRIVE OVERLOOK		N	BAYTOWN TWP	55082	WEL	A		00778375	1	
388	960	MOD	GW	163-0702920120001	SECK TIMOTHY J & DENISE M K	4611	MCDONALD DRIVE OVERLOOK		N	BAYTOWN TWP	55082	WEL	A		00638056	1	
389	960	MOD	GW	163-0702920120002	BJORK KEVIN J & EVELYN W	4605	MCDONALD DRIVE OVERLOOK		N	BAYTOWN TWP	55082	WEL	A		00588142	1	
390	960	MOD	GW	163-0702920120003	VANORSDALE MICHAEL C & LYNN M	4599	MCDONALD DRIVE OVERLOOK		N	BAYTOWN TWP	55082	WEL	A		00590075	1	
391	960	MOD	GW	163-0702920120005	PETERSON GLEN W	12605	53RD STREET	CT	N	BAYTOWN TWP	55082	WEL	A		00735868	1	
392	960	MOD	GW	163-0702920120006	BINSTADT BRYCE A & EMILY S	4593	MCDONALD DRIVE OVERLOOK		N	BAYTOWN TWP	55082	WEL	A		00590094	1	
393	960	MOD	GW	163-0702920130006	FOSTER JOHN J & NORA A	4663	MCDONALD	DR	N	BAYTOWN TWP	55082	WEL	A		00555830	1	
394	960	MOD	GW	163-0702920210001	LOVETT THOMAS G & ANNMARIE E BOSSERT	4815	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00569768	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
395	960	MOD	GW	163-0702920210002	OCHS WILLIAM H & MAUREEN P	4809	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00599986	1	
396	960	MOD	GW	163-0702920210003	MCDONALD LINDA A	4803	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00633272	1	
397	960	MOD	GW	163-0702920210004	MILLER STEVEN C & ARLENE E NUNEZ	4797	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00660200	1	
398	960	MOD	GW	163-0702920210004	MILLER STEVEN C & ARLENE E NUNEZ	4797	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00783301	1	
399	960	MOD	GW	163-0702920210005	LEVESQUE JOSEPH C & CHRISTINE	4791	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00596894	1	
400	960	MOD	GW	163-0702920210006	SHEFFER LOREN W & MONIKA Y	4785	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00575165	1	
401	960	MOD	GW	163-0702920210008	STILES FAMILY TRS-2014	4773	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00802730	1	
402	960	MOD	GW	163-0702920210008	STILES FAMILY TRS-2014	4773	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00575161	1	
403	960	MOD	GW	163-0702920210009	ASMUS BRIAN	4767	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00621551	1	
404	960	MOD	GW	163-0702920210010	HAJLO MICHAEL J & GWEN M	4761	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00590063	1	
405	960	MOD	GW	163-0702920220002	MYERS WILLIAM R & CATHERINE O	4821	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00585111	1	
406	960	MOD	GW	163-0702920230005	HEROFF JOHN T & CORRINE E	4706	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00620340	1	
407	960	MOD	GW	163-0702920230006	GERALD A CORNISH REV LIV TRS 11/17/2005	4712	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00569766	1	
408	960	MOD	GW	163-0702920230006	GERALD A CORNISH REV LIV TRS 11/17/2005	4712	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00594344	1	
409	960	MOD	GW	163-0702920230008	ZARRACINA ROBERT A & PATRICIA A KOPPA	4827	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00590080	1	
410	960	MOD	GW	163-0702920230011	TRAYNOR KYLE & MORGAN	4622	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00641468	1	
411	960	MOD	GW	163-0702920230013	EICHTEN SHARON JEAN MILLER	4610	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00641469	1	
412	960	MOD	GW	163-0702920240003	SARAH S QUICKEL TRS	4670	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00544432	1	
413	960	MOD	GW	163-0702920240004	BENISH RICHARD L & SUSAN J	4676	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00542595	1	
414	960	MOD	GW	163-0702920240005	COLEMAN ERIK E & REBEKAH	4682	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00546270	1	
415	960	MOD	GW	163-0702920240006	JOHNSON DAVID R & JOANNE L	4688	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00588147	1	
416	960	MOD	GW	163-0702920240007	OGREN STEPHEN D & ANN M	4694	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00565182	1	
417	960	MOD	GW	163-0702920240008	CRAWFORD ERIK M & TAMARA L	4700	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00569994	1	
418	960	MOD	GW	163-0702920240009	VICTORIA J CAVALIER TRS	4724	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00575675	1	
419	960	MOD	GW	163-0702920240010	LAUENSTEIN MICHAEL & KRISTIN	4730	MCDONALD DRIVE	PL	N	BAYTOWN TWP	55082	WEL	A		00565181	1	
420	960	MOD	GW	163-0702920240011	COLBERG DALE E B & BRANDI	4736	MCDONALD DRIVE	PL		BAYTOWN TWP	55082	WEL	A		00550984	1	
421	960	MOD	GW	163-0702920240012	WHITE WALTER R & KAREN M	4833	MCDONALD DRIVE	CIR	N	BAYTOWN TWP	55082	WEL	A		00592589	1	
422	960	MOD	GW	163-0702920240013	TRUST AGREEMENT OF KAREN E WELKE 03/25/2004	4755	MCDONALD	DR	N	BAYTOWN TWP	55082	WEL	A		00546309	1	
423	960	MOD	GW	163-1102921110005	BREADY MARY B & KATHRYN M FLICEK	4890	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00431248	1	
424	960	MOD	GW	163-1102921110007	WALSH COLLEEN & JEFFREY	10830	50TH	ST	N	LAKE ELMO	55042	WEL	A		00418750	1	
425	960	MOD	GW	163-1102921120003	MILLER PAUL & DEBRA	4755	KIMBRO	AVE	N	LAKE ELMO	55042	WEL	A		00641488	1	
426	960	MOD	GW	163-1102921120004	BOYLAN TERESA A TRS & WILLIAM J BOYLAN TRS	10711	50TH	ST	N	LAKE ELMO	55042	WEL	A		00135373	1	
427	960	MOD	GW	163-1102921140005	REINHARDT MICHAEL C & AMY L	4690	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00437321	1	
428	960	MOD	GW	163-1102921140005	REINHARDT MICHAEL C & AMY L	4690	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00435093	1	
429	960	MOD	GW	163-1102921210003	WEGSCHEIDER LUCY V & SCOTT	4890	KIMBRO	AVE	N	LAKE ELMO	55042	WEL	A		00710085	1	
430	960	MOD	GW	163-1202921110007	O'CONNELL GERALD M & JANET M	4990	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00602584	1	
431	960	MOD	GW	163-1202921110008	MELANDER PETER K & JUDITH C	4982	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00607463	1	
432	960	MOD	GW	163-1202921110009	KING ROBERT E	4966	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00613444	1	
433	960	MOD	GW	163-1202921110010	NATH ANDREW D & KATIE J	4944	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00656736	1	
434	960	MOD	GW	163-1202921110011	BRENNAN PHILIP J & EILEEN B	4926	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00642650	1	
435	960	MOD	GW	163-1202921110012	MITCHELL J & KAREN E JORGENSEN LIVING TRS	4910	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00618130	1	
436	960	MOD	GW	163-1202921110013	YOCUM ANTHONY A & SARA J	4886	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00737115	1	
437	960	MOD	GW	163-1202921110014	TRS AGR KEVIN L & MAUREEN A THOLEN	4854	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00599991	1	
438	960	MOD	GW	163-1202921110015	NELSON JULIE L & MICHAEL S	4768	LARKSPUR	LN	N	LAKE ELMO	55042	WEL	A		00658951	1	
439	960	MOD	GW	163-1202921110016	NELSON MARK & GRETCHEN	4881	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00614266	1	
440	960	MOD	GW	163-1202921110017	HAZELROTH TIMOTHY & ROBERTA	4873	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00617682	1	
441	960	MOD	GW	163-1202921110018	WOHLERS NICHOLAS J & MICHELLE	4861	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00596082	1	
442	960	MOD	GW	163-1202921110019	HARRISON BARRY & MARY A	4853	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00616608	1	
443	960	MOD	GW	163-1202921110020	GUNDERSON DAVID C & LAUREL K	4835	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00607498	1	
444	960	MOD	GW	163-1202921110021	APPERT ROBERT J & JOELLE M	4827	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00607484	1	
445	960	MOD	GW	163-1202921110022	DRESSER SAMUEL & TAMARA TINKHAM	4815	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00616655	1	
446	960	MOD	GW	163-1202921110023	MANNIE KATHERINE M	4805	LILAC	PL	N	LAKE ELMO	55042	WEL	A		00633256	1	
447	960	MOD	GW	163-1202921110024	ERICKSON RANDALL D & MICHELLE R	4995	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00633280	1	
448	960	MOD	GW	163-1202921110025	JONES DANIEL S & LAURI A STEIN-JONES	4987	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00645611	1	
449	960	MOD	GW	163-1202921110026	BURG CHRIS P & AMY L	4979	LILAC WAY		N	LAKE ELMO	55042	WEL	A		00628282	1	
450	960	MOD	GW	163-1202921110027	SIKKINK JEFFREY L & PRINCE D L	4971	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00616670	1	
451	960	MOD	GW	163-1202921110028	ECKMAN ERIK S & ANDREA	4963	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00608181	1	
452	960	MOD	GW	163-1202921110028	ECKMAN ERIK S & ANDREA	4963	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00596698	1	
453	960	MOD	GW	163-1202921110029	SNOW TODD F & PEGGY A	4955	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00628293	1	
454	960	MOD	GW	163-1202921110030	CHRISTENSEN KENT E & MARY M	4943	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00616672	1	
455	960	MOD	GW	163-1202921110031	PARR RICHARD J & ELIZABETH L HARROD	4931	LILAC	WAY	N	LAKE ELMO	55042	WEL	A		00613446	1	
456	960	MOD	GW	163-1202921110032	FOSSUM RACHEL W & ROBERT	4996	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00678131	1	
457	960	MOD	GW	163-1202921130003	CITY OF LAKE ELMO					LAKE ELMO		WEL	A		00783302	1	
458	960	MOD	GW	163-1202921140006	WILLIAM J MOHR III & DAWN C MOHR REV TRS	4748	LARKSPUR	LN	N	LAKE ELMO	55042	WEL	A		00672567	1	
459	960	MOD	GW	163-1202921140007	LAQUA MARK L & BETH E	4732	LARKSPUR	LN	N	LAKE ELMO	55042	WEL	A		00616652	1	
460	960	MOD	GW	163-1202921140008	AUVINEN ANDREW & KATRINA	4720	LARKSPUR	LN	N	LAKE ELMO	55042	WEL	A		00645649	1	
461	960	MOD	GW	163-1202921140009	ROBERT ENGSTROM COMPANIES					LAKE ELMO		WEL	A		00599985	1	
462	960	MOD	GW	163-1202921140009	ROBERT ENGSTROM COMPANIES					LAKE ELMO		WEL	A		00599990	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
463	960	MOD	GW	163-1202921140011	MEISTER WILLIAM W & KAREN K	4690	LARKSPUR	LN	N	LAKE ELMO	55042	WEL	A		00594348	1	
464	960	MOD	GW	163-1202921140012	SCHIFSKY PETER E	4676	LARKSPUR	LN	N	LAKE ELMO	55042	WEL	A		00594349	1	
465	960	MOD	GW	163-1202921140014	NIEBUHR SHERYL L & FORD JO ANN	4644	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00613435	1	
466	960	MOD	GW	163-1202921140015	DUSTIN WILLIAM K & SUSAN A	4654	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00607467	1	
467	960	MOD	GW	163-1202921140016	DUSTIN WILLIAM K & SUSAN A	4668	LINDEN	TRL	N	LAKE ELMO	55042	WEL	A		00628299	1	
468	960	MOD	GW	163-1202921140018	HOLMBERG JOSEPH W & SHELLY E	4602	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00633284	1	
469	960	MOD	GW	163-1202921140019	KELLAR ALLAN D & LINDA B	4594	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00633275	1	
470	960	MOD	GW	163-1202921140020	NELSON WALLACE D & KAREN L	4582	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00607495	1	
471	960	MOD	GW	163-1202921140021	JOHNSON LOWELL A & ANDREA E	4574	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00637430	1	
472	960	MOD	GW	163-1202921140022	JOHNSON KIP L & JULIET	4566	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00579643	1	
473	960	MOD	GW	163-1202921140023	SEESTROM KURT W	4558	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00613442	1	
474	960	MOD	GW	163-1202921140024	ANDERSON RICHARD C	4550	LILAC	LN	N	LAKE ELMO	55042	WEL	A		00607461	1	
475	960	MOD	GW	163-1202921210004	THOMPSON BRETT & JANET M	11491	50TH	ST	N	LAKE ELMO	55042	WEL	A		00761681	1	
476	960	MOD	GW	163-1202921220002	ROBERTS SAXE G & B CHRISTINA	11165	50TH	ST	N	LAKE ELMO	55042	WEL	A		00484309	1	
477	960	MOD	GW	163-1202921220002	ROBERTS SAXE G & B CHRISTINA	11165	50TH	ST	N	LAKE ELMO	55042	WEL	A		00788525	1	
478	960	MOD	GW	163-1202921220002	ROBERTS SAXE G & B CHRISTINA	11165	50TH	ST	N	LAKE ELMO	55042	WEL	A		00556145	1	
479	960	MOD	GW	163-1202921220003	DAY RICHARD P & PAMELA A					LAKE ELMO		WEL	A		00604272	1	
480	960	MOD	GW	163-1202921220005	DAY JACQUELYN L & KEVIN K	4779	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		00654329	1	
704	960	MOD	GW	163-1202921230002	SCHWARZ DAVID B & MARY P	4715	LAKE ELMO	AVE	N	LAKE ELMO	55042	WEL	A		811811	1	
481	960	MOD	GW	163-1202921240002	GILBERTSON REID A & LAUREL E DREVLOW	11421	50TH	ST	N	LAKE ELMO	55042	WEL	A		00464162	1	
529	960	MOD	GW	163-3103020340002	BERGMANN PAUL B	12239	62ND	ST	N	STILLWATER	55082	WEL	A		00634276	1	
530	960	MOD	GW	163-3103020430009	BERNER DAN E & SUZANNE M	12680	62ND	ST	N	STILLWATER	55082	WEL	A		00493198	1	
531	960	MOD	GW	163-3103020430009	BERNER DAN E & SUZANNE M	12680	62ND	ST	N	STILLWATER	55082	WEL	A		00514375	1	
532	960	MOD	GW	163-3103020430014	BRADSHAW JAMES H & JAYNE M					STILLWATER		WEL	A		00437347	1	
533	960	MOD	GW	163-3103020430018	RANKIN BRADLEY T & JENNIFER L	12730	62ND	ST	N	STILLWATER	55082	WEL	A		00505376	1	
534	960	MOD	GW	163-3403021340002	PFALZ RICHARD P & TWYLLA A	9496	60TH	ST	N	GRANT	55082	WEL	A		00139264	1	
538	960	MOD	GW	163-3403021340012	TURCH JOSEPH EDWARD	6033	JASMINE	AVE	N	GRANT	55082	WEL	A		00404186	1	
540	960	MOD	GW	163-3403021340014	JERYLO TERRY P & LAURIE A	9344	60TH	ST	N	GRANT	55082	WEL	A		00710089	1	
542	960	MOD	GW	163-3403021340016	ST GEORGE ROGER & KRISTEN	6123	JASMINE	AVE	N	GRANT	55082	WEL	A		00609550	1	
544	960	MOD	GW	163-3403021410002	BECKING LAWRENCE & SHANNON O SKELLEY-	6300	KEATS	AVE	N	GRANT	55082	WEL	A		00173911	1	
545	960	MOD	GW	163-3403021410002	BECKING LAWRENCE & SHANNON O SKELLEY-	6300	KEATS	AVE	N	GRANT	55082	WEL	A		00154437	1	
548	960	MOD	GW	163-3403021420002	BRAMA GINA M					GRANT		WEL	A		00471318	1	
549	960	MOD	GW	163-3403021430003	60TH ST PROPERTY LLC	9550	60TH	ST	N	GRANT	55082	WEL	A		00248239	1	
558	960	MOD	GW	163-3503021110007	PETERSON MAVIS A	10970	69TH	ST	N	GRANT	55082	WEL	A		00240674	1	
562	960	MOD	GW	163-3503021110011	MAHOWALD MARC L & KATHY C	10851	69TH	ST	N	GRANT	55082	WEL	A		00471467	1	
566	960	MOD	GW	163-3503021120002	BYE DAVID B	10660	69TH	ST	N	GRANT	55082	WEL	A		00208514	1	
571	960	MOD	GW	163-3503021120007	KOHLER GUNTER A & ELNA E	10653	69TH	ST	N	GRANT	55082	WEL	A		00578453	1	
572	960	MOD	GW	163-3503021130002	KUZJ STEVEN DEAN & LEE ANN	10800	66TH	ST	N	GRANT	55082	WEL	A		00423835	1	
576	960	MOD	GW	163-3503021140003	WHITTAKER DAN & MELODY F	10880	66TH	ST	N	GRANT	55082	WEL	A		00182826	1	
577	960	MOD	GW	163-3503021140004	SHERLOCK DAVID J & LEE ANN F	10850	66TH	ST	N	GRANT	55082	WEL	A		00423843	1	
578	960	MOD	GW	163-3503021140005	MARTIN ALLAN D & JUDITH L	10975	66TH	ST	N	GRANT	55082	WEL	A		00450568	1	
579	960	MOD	GW	163-3503021140006	HILLMANN JAMES W & KAREN E	10901	66TH	ST	N	GRANT	55082	WEL	A		00535238	1	
581	960	MOD	GW	163-3503021240005	MOGROW INC	6667	KEATS	AVE	N	GRANT	55082	WEL	A		00242216	1	
595	960	MOD	GW	163-3503021320003	JONES JUSTIN & CHRISTA	6403	KEATS	AVE	N	GRANT	55082	WEL	A		00471054	1	
607	960	MOD	GW	163-3503021330001	PENFIELD INC	10010	60TH	ST	N	GRANT	55082	WEL	A		00261947	1	
635	960	MOD	GW	163-3503021430001	PARON GREGORY J & JEAN R	10620	60TH	ST	N	GRANT	55082	WEL	A		00457682	1	
705	960	MOD	GW	163-3503021430007	LATO BRYAN E	10660	60TH	ST	N	GRANT	55082	WEL	A		801766	1	
643	960	MOD	GW	163-3503021430014	REGAN MICHAEL O & MARY E	10510	62ND	ST	N	GRANT	55082	WEL	A		00112304	1	
646	960	MOD	GW	163-3503021430018	KIRCHNER RAYMOND W & CHRISTI	10635	62ND	ST	N	GRANT	55082	WEL	A		00135370	1	
648	960	MOD	GW	163-3503021430020	WARNING JEFFREY J & LISA J	10685	62ND	ST	N	GRANT	55082	WEL	A		00512453	1	
650	960	MOD	GW	163-3503021440001	SCHNEIDER KATHLEEN N	10838	60TH	ST	N	GRANT	55082	WEL	A		00208517	1	
651	960	MOD	GW	163-3503021440002	GROUP 41 LTD	10860	60TH	ST	N	GRANT	55082	WEL	A		00248241	1	
652	960	MOD	GW	163-3503021440005	NEEDHAM DAVID E	6080	LAKE ELMO	AVE	N	GRANT	55082	WEL	A		00242357	1	
660	960	MOD	GW	163-3503021440013	OSWALD DONALD & DAWN	10749	62ND	ST	N	GRANT	55082	WEL	A		00208516	1	
666	960	MOD	GW	163-3503021440019	GREENLEE RANDY G & JEANNE M	10955	62ND	ST	N	GRANT	55082	WEL	A		00105325	1	
668	960	MOD	GW	163-3503021440021	PRTS COMMON ELEMENT					GRANT		WEL	A		00524413	1	
674	960	MOD	GW	163-3603021230002	COSTA MICHAEL J & KARI K	11006	66TH	ST	N	GRANT	55082	WEL	A		00641813	1	
675	960	MOD	GW	163-3603021230003	WENNER KRISTA K & BRIAN A	11018	66TH	ST	N	GRANT	55082	WEL	A		00641822	1	
676	960	MOD	GW	163-3603021230004	SCHMIDT CHRISTINA M & MICHAEL G	11032	66TH	ST	N	GRANT	55082	WEL	A		00641816	1	
677	960	MOD	GW	163-3603021230004	SCHMIDT CHRISTINA M & MICHAEL G	11032	66TH	ST	N	GRANT	55082	WEL	A		00251805	1	
678	960	MOD	GW	163-3603021230005	STONEHOUSE MATTHEW J & ERIN E	11052	66TH	ST	N	GRANT	55082	WEL	A		00664409	1	
679	960	MOD	GW	163-3603021230006	MICHELS MARY C & ROBERT J	11055	66TH	ST	N	GRANT	55082	WEL	A		00745056	1	
680	960	MOD	GW	163-3603021230007	FOX MICHAEL	11033	66TH	ST	N	GRANT	55082	WEL	A		00641225	1	
681	960	MOD	GW	163-3603021230008	NIDERSSON BRAD S & LORI A	11011	66TH	ST	N	GRANT	55082	WEL	A		00656401	1	
682	960	MOD	GW	163-3603021240001	FISCHER RICHARD W & CAROLYN A	11068	66TH	ST	N	GRANT	55082	WEL	A		00641828	1	
683	960	MOD	GW	163-3603021240002	CRANDALL JOHN D TRS & BETTY J CRANDALL TRS	11082	66TH	ST	N	GRANT	55082	WEL	A		00641829	1	
684	960	MOD	GW	163-3603021240003	LUND JEFFREY G & SUSAN B	11076	66TH	ST	N	GRANT	55082	WEL	A		00622350	1	
685	960	MOD	GW	163-3603021320002	KRISTIN LEE PETERSON TRS	6353	LAKE ELMO	AVE	N	GRANT	55082	WEL	A		00648844	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
686	960	MOD	GW	163-3603021320003	JOHNSON CHAD R & KRISTA M	6301	LAKE ELMO	AVE	N	GRANT	55082	WEL	A		00659061	1	
687	960	MOD	GW	163-3603021330001	AMERICAN POLYWATER CORP	11170	60TH	ST	N	GRANT	55082	WEL	A		00155561	1	
688	960	MOD	GW	163-3603021330002	BUBERL RICHARD A & GINA D	6211	LAKE ELMO	AVE	N	GRANT	55082	WEL	A		00139003	1	
689	960	MOD	GW	163-3603021330005	AMERICAN POLYWATER CORP	11222	60TH	ST	N	GRANT	55082	WEL	A		00248247	1	
690	960	MOD	GW	163-3603021330006	COZZIE'S HOLDING LLC	11154	60TH	ST	N	GRANT	55082	WEL	A		00269076	1	
692	960	MOD	GW	163-3603021330014	BUBERL ADAM R & AMBER M	6185	LAKE ELMO	AVE	N	GRANT	55082	WEL	A		00654326	1	
697	960	MOD	GW	163-3603021340002	STILLWATER WEST LLC	11298	60TH	ST	N	GRANT	55082	WEL	A		00562782	1	
698	960	MOD	GW	163-3603021410004	AAMODT'S APPLE FARM INC	6428	MANNING	AVE	N	GRANT	55082	WEL	A		00542039	1	
699	960	MOD	GW	163-3603021440003	WILSON KENNETH J & RUTH L	11840	60TH	ST	N	GRANT	55082	WEL	A		00515171	1	
700	960	MOD	GW	163-3603021440003	WILSON KENNETH J & RUTH L	11840	60TH	ST	N	GRANT	55082	WEL	A		00515169	1	
286	960	MOD	GW	163-0302921140009	CITIBANK NA	9961	55TH	ST	N	LAKE ELMO	55042	WEL	I		00251497	1	
513	959	MOD	GW	163-1402921320013	CHRISTENSEN CYNDIE	3464	KELVIN	AVE	N	LAKE ELMO	55042	WEL	U		UNK	1	
519	959	MOD	GW	163-1402921410003	SCHILTGEN FARMS INC					LAKE ELMO		WEL	U		UNK	1	
203	960	MOD	GW	163-0102921140001	BOLAN TIMOTHY C & JENNIFER L MOLL					LAKE ELMO		WEL	U		UNK	1	
235	960	MOD	GW	163-0202921230001	MENZ RICHARD J	5615	KEATS	AVE	N	LAKE ELMO	55042	WEL	U		UNK	1	
241	960	MOD	GW	163-0202921330003	CROCKER GEORGE W & CYNTHIA L FOUSHEE	5093	KEATS	AVE	N	LAKE ELMO	55042	WEL	U		UNK	1	
292	960	MOD	GW	163-0302921210002	CHRISTMAN RANDALL & JULIE	9265	60TH	ST	N	LAKE ELMO	55042	WEL	U		UNK	1	
329	960	MOD	GW	163-0602920220002	BIDON THOMAS M	5757	MANNING	AVE	N	STILLWATER TWP	55082	WEL	U		UNK	1	
330	960	MOD	GW	163-0602920220003	HAUTH KENNETH M & NANCY L	5775	MANNING	AVE	N	LAKE ELMO	55082	WEL	U		UNK	1	
535	960	MOD	GW	163-3403021340003	MEIS JAMES R & KATHRYN ZEHNDER	6227	JASMINE	AVE	N	GRANT	55082	WEL	U		UNK	1	
536	960	MOD	GW	163-3403021340006	SHAIN STEVEN M & LINDA M	9302	60TH	ST	N	GRANT	55082	WEL	U		UNK	1	
537	960	MOD	GW	163-3403021340011	SCHLETZ NATHAN W & BETHANY S	6081	JASMINE	AVE	N	GRANT	55082	WEL	U		UNK	1	
539	960	MOD	GW	163-3403021340013	KALLAND DARREL T & KATHERINE	6071	JASMINE	AVE	N	GRANT	55082	WEL	U		UNK	1	
541	960	MOD	GW	163-3403021340015	DIETZ JOHN D	6113	JASMINE	AVE	N	GRANT	55082	WEL	U		UNK	1	
543	960	MOD	GW	163-3403021410001	FRANS GARY C	6264	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
546	960	MOD	GW	163-3403021410003	MAGNUSSON SARA C & MICHAEL C SCHAEFFER					GRANT		WEL	U		UNK	1	
547	960	MOD	GW	163-3403021410004	MCNAMARA JESSICA L & JON M	6330	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
550	960	MOD	GW	163-3403021430004	BRAMA GINA AND FLORA					GRANT		WEL	U		UNK	1	
551	960	MOD	GW	163-3403021440001	THUESON STEVE	9988	60TH	ST	N	GRANT	55082	WEL	U		UNK	1	
552	960	MOD	GW	163-3503021110001	HANNAHAN MARK	6840	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
553	960	MOD	GW	163-3503021110002	MURPHY DAVID M	10891	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
554	960	MOD	GW	163-3503021110003	HASKINS NEIL G	10911	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
555	960	MOD	GW	163-3503021110004	SENN DAVID G & SHANTEL A	10871	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
556	960	MOD	GW	163-3503021110005	KITTEL MARK R & PATRICIA J	6780	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
557	960	MOD	GW	163-3503021110006	KOENIG SCOTT R & HEIDI K	10870	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
559	960	MOD	GW	163-3503021110008	KLAAS FAMILY TRS	10940	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
560	960	MOD	GW	163-3503021110009	MCKENZIE ROBERT & MICHELE	10890	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
561	960	MOD	GW	163-3503021110010	ROTH DEBORAH M & PAUL A	10889	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
563	960	MOD	GW	163-3503021110012	BIELE PAUL A	10760	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
564	960	MOD	GW	163-3503021110013	KLUGE THOMAS M	10830	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
565	960	MOD	GW	163-3503021110014	GORKE LINDA MARIE	6950	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
567	960	MOD	GW	163-3503021120003	MOGROW INC	10620	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
568	960	MOD	GW	163-3503021120004	MOGROW INC	10541	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
569	960	MOD	GW	163-3503021120005	MAHER TIMOTHY W & EMILY R	10733	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
570	960	MOD	GW	163-3503021120006	KLINGHAGEN DANIELLE & JASON	10591	69TH	ST	N	GRANT	55082	WEL	U		UNK	1	
573	960	MOD	GW	163-3503021130003	GILBERT SAMANTHA B	10851	66TH	ST	N	GRANT	55082	WEL	U		UNK	1	
574	960	MOD	GW	163-3503021140001	ALLENSPACH TIMOTHY LEE	6650	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
575	960	MOD	GW	163-3503021140002	SCHUMANN THOMAS C	6720	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
580	960	MOD	GW	163-3503021230012	ODLAND RICHARD P & LYNDA G	10066	65TH	ST	N	GRANT	55082	WEL	U		UNK	1	
582	960	MOD	GW	163-3503021310015	MURSKO EDWARD P & ELIZABETH A	6260	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
583	960	MOD	GW	163-3503021310016	THIBODEAU DENNIS & KATHLEEN	6330	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
584	960	MOD	GW	163-3503021310017	STEARNS JOHN S & JOYCE M	6380	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
585	960	MOD	GW	163-3503021310018	SCHWIETERS JOEL J & CYNTHIA	6400	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
586	960	MOD	GW	163-3503021310019	MILLER DUANE G & O'BRIEN MARY	6395	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
587	960	MOD	GW	163-3503021310020	PAUL THOMAS A	6363	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
588	960	MOD	GW	163-3503021310021	MATSCHKE JOHN M & MARY JO	6345	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
589	960	MOD	GW	163-3503021310022	GILLESPIE ELLEN E & LELAND S	6299	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
590	960	MOD	GW	163-3503021310023	BOHL DENNIS M & MARY ANN	6277	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
591	960	MOD	GW	163-3503021310024	SCHMURA CHERYL K & JOSEPH P	6255	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
592	960	MOD	GW	163-3503021310025	YUNKER JAMES R & ANGELA N	6223	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
593	960	MOD	GW	163-3503021320001	MELTON JAMES E & JOYCE A	6431	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
594	960	MOD	GW	163-3503021320002	HARRINGTON WILMA E TRS	6371	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
596	960	MOD	GW	163-3503021320007	FEHLING JAMES A & MICHELE L	10100	65TH	ST	N	GRANT	55082	WEL	U		UNK	1	
597	960	MOD	GW	163-3503021320008	HOPKINS RONALD R & JANICE M	10144	65TH	ST	N	GRANT	55082	WEL	U		UNK	1	
598	960	MOD	GW	163-3503021320009	MOGREN THOMAS G	10188	65TH	ST	N	GRANT	55082	WEL	U		UNK	1	
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600	960	MOD	GW	163-3503021320011	MCHUTCHISON DEBRAH SUE HOIDA	10133	65TH	ST	N	GRANT	55082	WEL	U		UNK	1	
601	960	MOD	GW	163-3503021320012	ROLLEFSON MICHAEL R & HOLLY M	10085	65TH	ST	N	GRANT	55082	WEL	U		UNK	1	

CITY OF LAKE ELMO POTENTIAL CONTAMINANT SOURCE INVENTORY

MAPID	DWS_ID	DWS_VUL	DV_TYPE_C	PARCEL ID	FAC_NAME	ADDRESS				CITY	ZIP	PCS_C	STATUS_C	MAT_C	PROGRAM_ID	TOTAL	COMMENTS
602	960	MOD	GW	163-3503021320018	BLOMSTRAND BRUCE T & PAMELA	6277	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
603	960	MOD	GW	163-3503021320019	REALTY PROS LLC	6299	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
604	960	MOD	GW	163-3503021320020	GOEBEL CHARLES B & MARIE E	6225	KELVIN	AVE	N	GRANT	55082	WEL	U		UNK	1	
605	960	MOD	GW	163-3503021320021	THEIS SCOTT A	6233	KELVIN	AVE	N	GRANT	55082	WEL	U		UNK	1	
606	960	MOD	GW	163-3503021320022	FRASCONE MICHAEL J & CONNIE	6228	KELVIN	AVE	N	GRANT	55082	WEL	U		UNK	1	
608	960	MOD	GW	163-3503021330011	NELSON JEAN A	6125	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
609	960	MOD	GW	163-3503021330012	WINTER LEROY E	6153	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
610	960	MOD	GW	163-3503021330014	SPINDLER DOUGLAS N & CHRISTI	6211	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
611	960	MOD	GW	163-3503021330015	LIEDL PAUL TRS	6255	KEATS	AVE	N	GRANT	55082	WEL	U		UNK	1	
612	960	MOD	GW	163-3503021330016	ELM JAMES	10220	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
613	960	MOD	GW	163-3503021330017	KRACHT HAROLD D & JANALEE V	10230	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
614	960	MOD	GW	163-3503021330018	RIES RICHARD D & VIRGINIA R	6220	KELVIN	AVE	N	GRANT	55082	WEL	U		UNK	1	
615	960	MOD	GW	163-3503021330022	VAJGRT PATRICIA A	10250	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
616	960	MOD	GW	163-3503021330023	KLUEMPKE PATRICK M TRS & TRACY L LOVNESS TRS	10260	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
617	960	MOD	GW	163-3503021330024	BERWALD BRIAN R & SARAH K	6210	KELVIN	AVE	N	GRANT	55082	WEL	U		UNK	1	
618	960	MOD	GW	163-3503021340001	WEISS MICHAEL L	10450	60TH	ST	N	GRANT	55082	WEL	U		UNK	1	
619	960	MOD	GW	163-3503021340004	JACOBSON LIVING TRS	10299	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
620	960	MOD	GW	163-3503021340009	HINTZE ANDREA R & ERNEST O II	10380	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
621	960	MOD	GW	163-3503021340010	FARMER RONALD B	10350	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
622	960	MOD	GW	163-3503021340011	NELSON WESLEY N & KAREN M	10330	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
623	960	MOD	GW	163-3503021340012	JAMES M JOHNSON TRS & CYNTHIA M JOHNSON CREDI	6215	KELVIN	AVE	N	GRANT	55082	WEL	U		UNK	1	
624	960	MOD	GW	163-3503021340013	PERSON RICK & MARY JO	6185	KESWICK	AVE	N	GRANT	55082	WEL	U		UNK	1	
625	960	MOD	GW	163-3503021340014	LANDSHUT RICHARD T & JESSICA A	10430	61ST	ST	N	GRANT	55082	WEL	U		UNK	1	
626	960	MOD	GW	163-3503021340015	STANG GREGORY J & FRANCES H	10436	61ST	ST	N	GRANT	55082	WEL	U		UNK	1	
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628	960	MOD	GW	163-3503021340017	CATHERINE MACCHESNEY REV TRS	10435	61ST	ST	N	GRANT	55082	WEL	U		UNK	1	
629	960	MOD	GW	163-3503021340018	JOHNSON BRUCE E & KATHLEEN K	10427	61ST	ST	N	GRANT	55082	WEL	U		UNK	1	
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632	960	MOD	GW	163-3503021340021	CHAPUT BRIAN	10255	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
633	960	MOD	GW	163-3503021340022	GAUSMAN DANIEL K & DONNA	10365	60TH STREET	LN	N	GRANT	55082	WEL	U		UNK	1	
634	960	MOD	GW	163-3503021410001	GUERTIN DANIEL P & ALICE M HENRIKSEN	6380	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
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637	960	MOD	GW	163-3503021430008	HARRIS PAUL V & NANCY J	10718	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
638	960	MOD	GW	163-3503021430009	CAMITSCH DEBORAH J	10680	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
639	960	MOD	GW	163-3503021430010	SCHWARTZ STEVEN & JUANITA VOGEL	10660	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
640	960	MOD	GW	163-3503021430011	CHAPMAN KAY M	10610	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
641	960	MOD	GW	163-3503021430012	LANDSHUT THOMAS E & SHARON L	10560	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
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654	960	MOD	GW	163-3503021440007	FLYNN GERROLL & LINDA A	10928	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
655	960	MOD	GW	163-3503021440008	POGALZ JOHN	10888	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
656	960	MOD	GW	163-3503021440009	GANGNON TIMOTHY D & DEBORAH E	10850	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
657	960	MOD	GW	163-3503021440010	COMPTON CHAD S & KIRTLEY G	10790	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
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665	960	MOD	GW	163-3503021440018	SINDT STEVEN A & CHRISTA M	10925	62ND	ST	N	GRANT	55082	WEL	U		UNK	1	
667	960	MOD	GW	163-3503021440020	HALVERSON RYAN R & CORINNA L	6120	LAKE ELMO	AVE	N	GRANT	55082	WEL	U		UNK	1	
669	960	MOD	GW	163-3503021440022	NESS INVESTMENTS II LLC	10990	60TH	ST	N	GRANT	55082	WEL	U		UNK	1	
670	960	MOD	GW	163-3603021130001	SCHAEFER ARTHUR B JR					GRANT		WEL	U		UNK	1	
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LAKE ELMO - North DWSMA (Southeast)

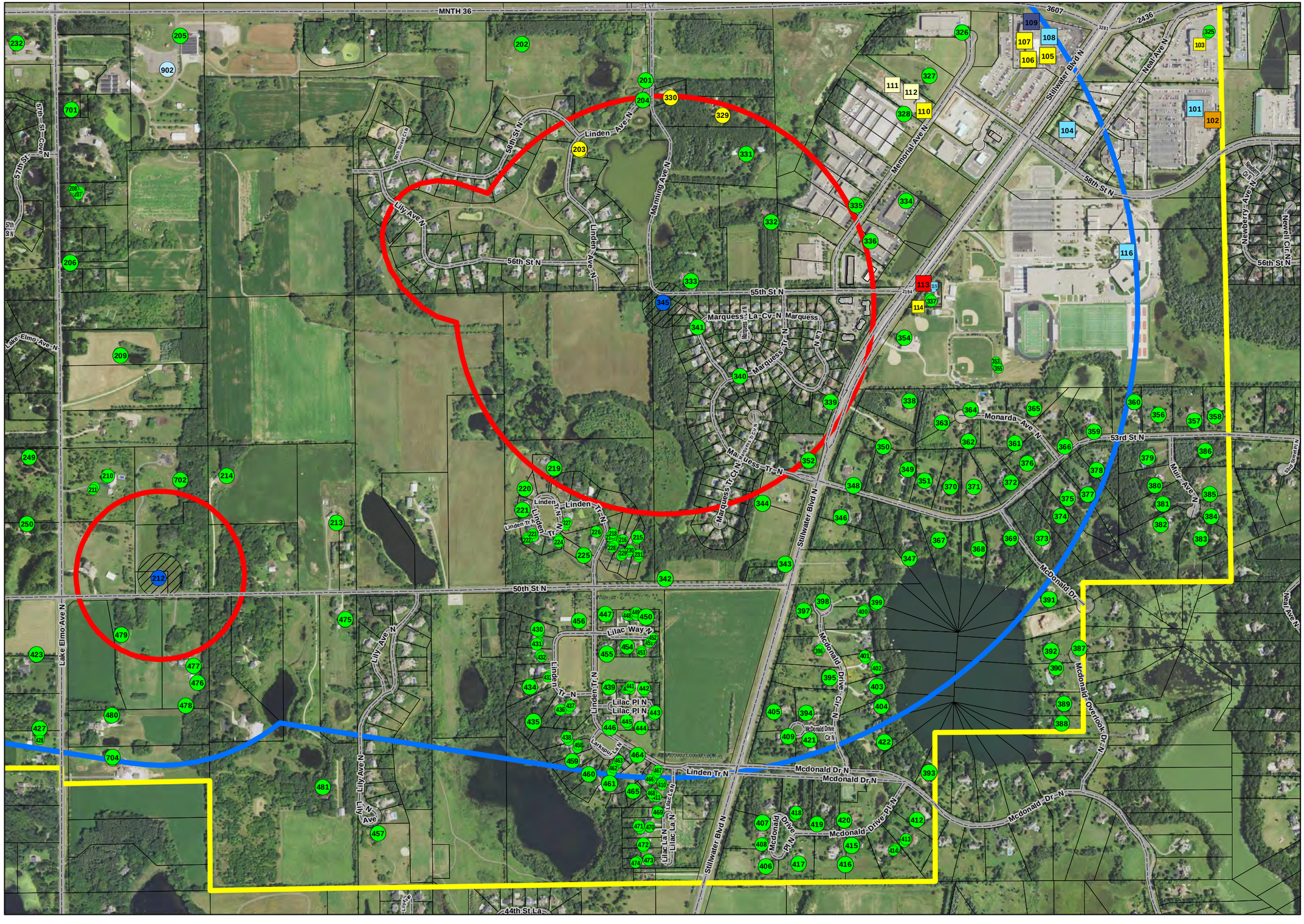
Potential Contaminant Source Inventory

MDH MINNESOTA DEPARTMENT OF HEALTH

0 220 440 880 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S


MNTH 36
3607
2436
Stillwater Blvd N
Neal Ave N
Memorial Ave N
58th St N
Linden Ave N
Manning Ave N
Lily Ave N
56th St N
55th St N
Marquess La Cv N
Marquess Tr N
Marquess Ln N
Marquess Pl N
Monarda Ave N
53rd St N
Muir Ave N
McDonald Dr
McDonald Dr N
Mcdonald Dr N
Mcdonald Drive Cir N
Mcdonald Drive Pl N
Mcdonald Overlook Dr N
Linden Tr N
Linden Tr Cir N
Linden Pl N
Lilac Way N
Lilac Ln N
Lilac Pl N
Larkspur Ln N
Lily Ave N
Lily Ln N
50th St N
44th St La
Lake Elmo Ave N
57th St Cove N
57th St N
Newberry Ave N
Newell Cir N
Newell Ct N
Stillwater Blvd N
Linden Tr N
Linden Tr Cir N
Linden Tr N
Linden Tr N
Linden Tr

LAKE ELMO - North DWSMA (Southwest)

Potential Contaminant Source Inventory

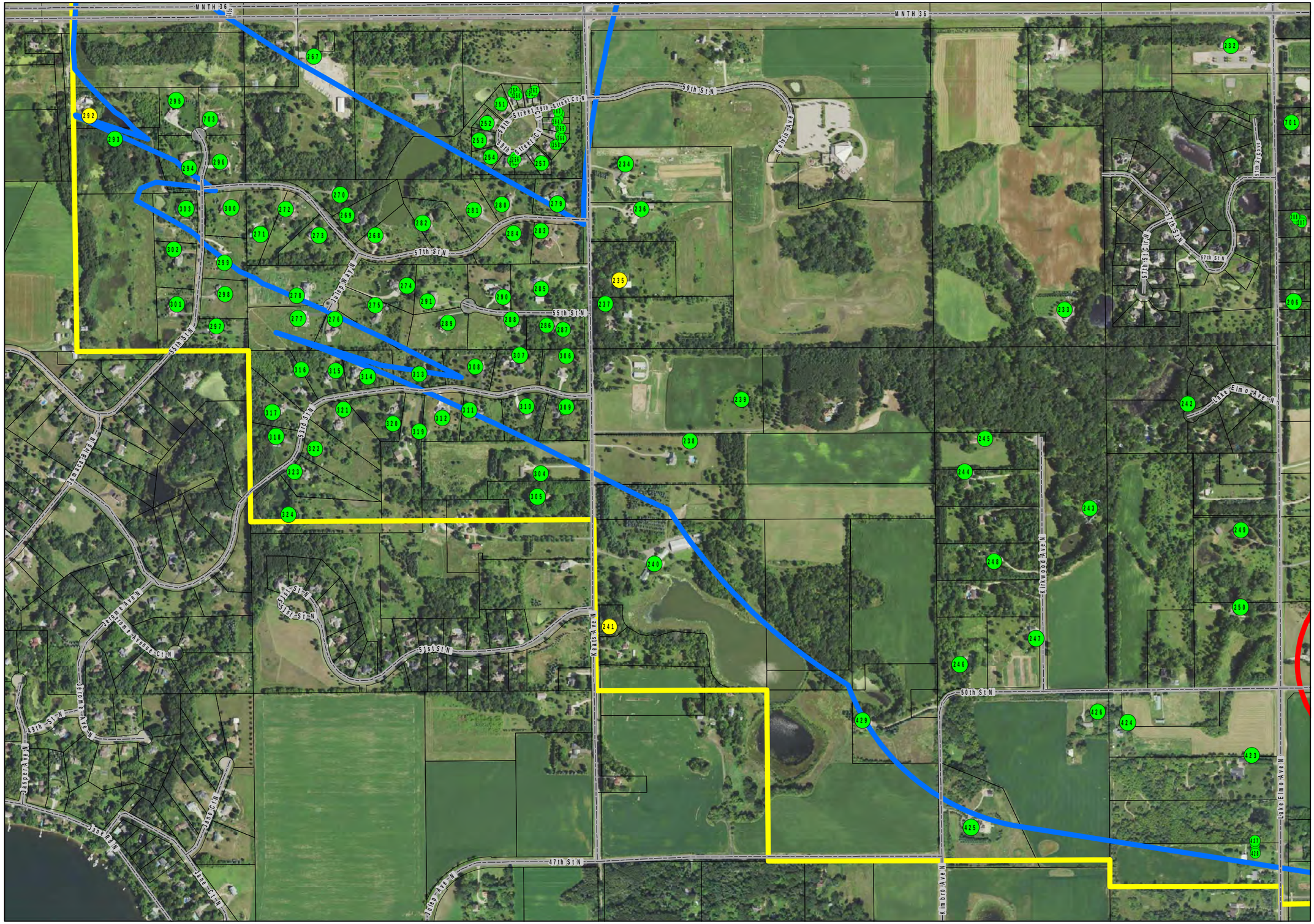
Appendix III - City of Lake Elmo

MDH MINNESOTA DEPARTMENT OF HEALTH

0 190 380 760 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S



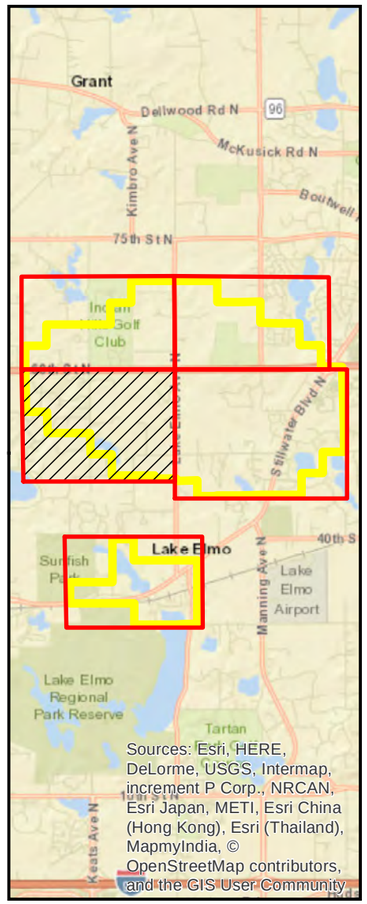
Legend

WELLTYPE

- Public Water Supply System
- UNKNOWN WELL
- WELL
- Class V Wells

Potential Contaminant Source Inventory

- Aboveground Storage Tanks
- Brownfield VIC
- Leak Site
- Petroleum Brownfield
- Petroleum Remediation
- Solid Waste, Permit By Rule
- Underground Storage Tanks
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area
- Parcels
- Washington_Roads



LAKE ELMO - North DWSMA (Northwest)

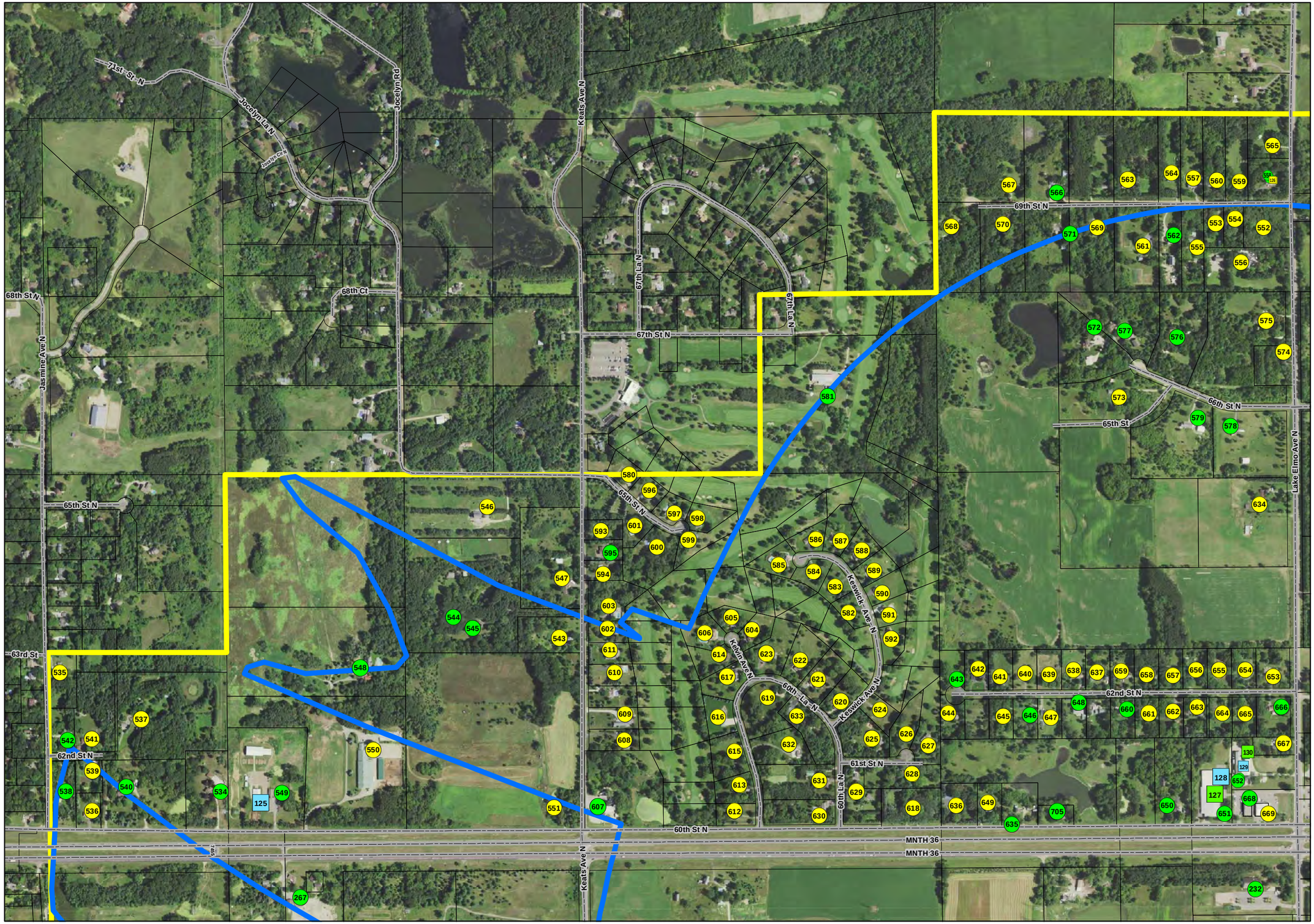
Potential Contaminant Source Inventory

MINNESOTA DEPARTMENT OF HEALTH MDH

0 180 360 720 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S



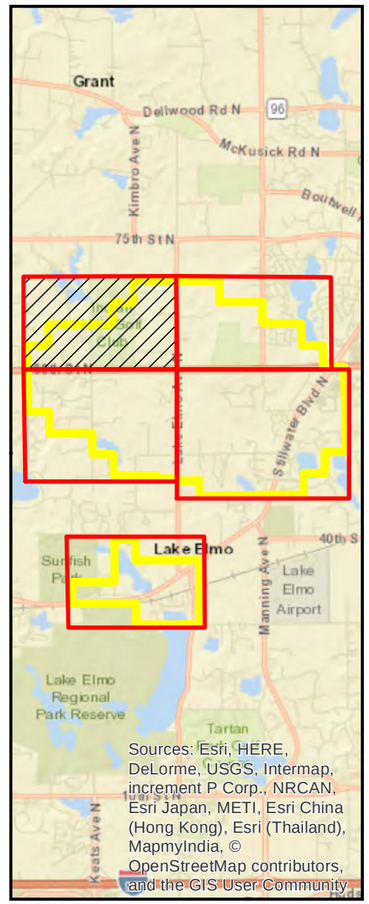
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WELLTYPE

- Public Water Supply System
- UNKNOWN WELL
- WELL
- Class V Wells

Potential Contaminant Source Inventory

- Aboveground Storage Tanks
- Brownfield VIC
- Leak Site
- Petroleum Brownfield
- Petroleum Remediation
- Solid Waste, Permit By Rule
- Underground Storage Tanks
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area
- Parcels
- Washington_Roads



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

LAKE ELMO - North DWSMA (Northeast)

Potential Contaminant Source Inventory

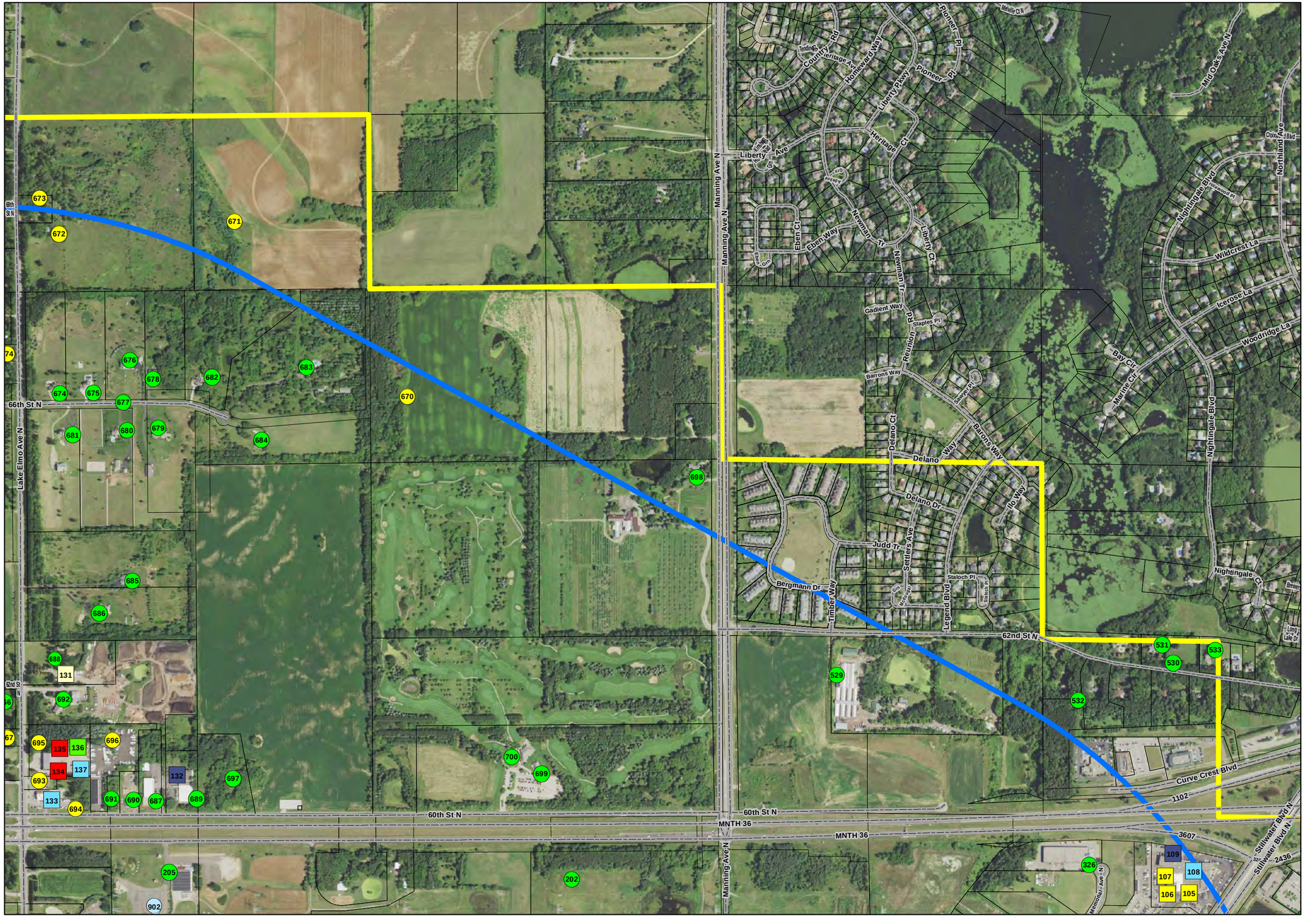
Appendix III - City of Lake Elmo

MDH MINNESOTA DEPARTMENT OF HEALTH

0 185 370 740 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S



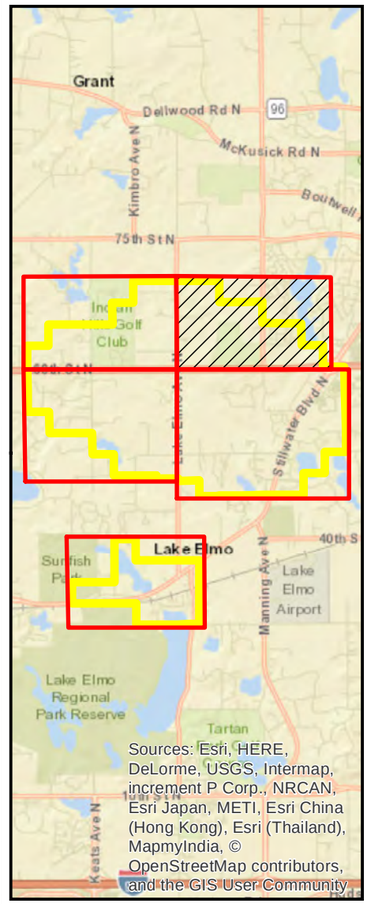
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WELLTYPE

- Public Water Supply System
- UNKNOWN WELL
- WELL
- Class V Wells

Potential Contaminant Source Inventory

- Aboveground Storage Tanks
- Brownfield VIC
- Leak Site
- Petroleum Brownfield
- Petroleum Remediation
- Solid Waste, Permit By Rule
- Underground Storage Tanks
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area
- Parcels
- Washington_Roads



LAKE ELMO - South DWSMA

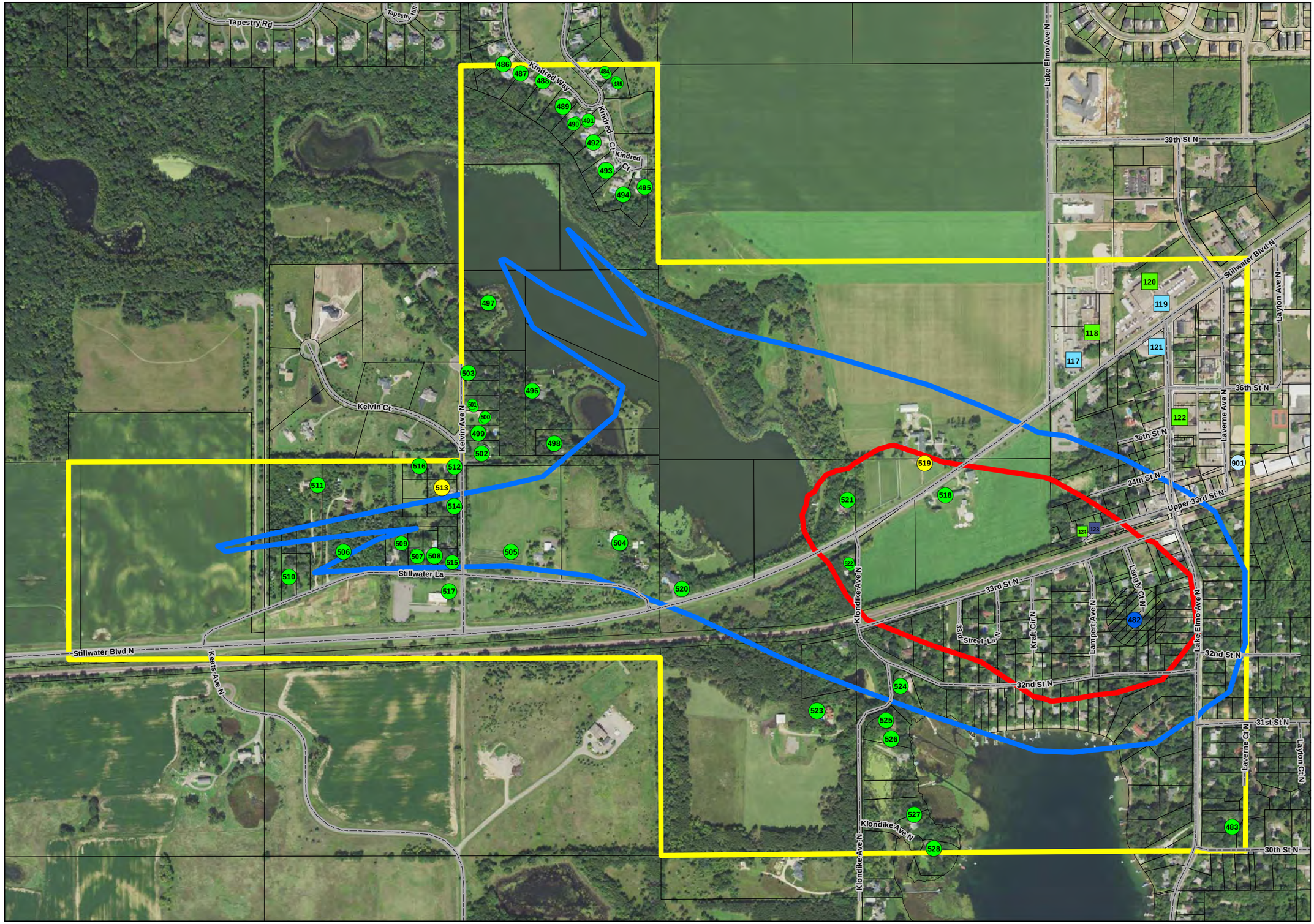
Potential Contaminant Source Inventory

MINNESOTA DEPARTMENT OF HEALTH MDH

0 165 330 660 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S



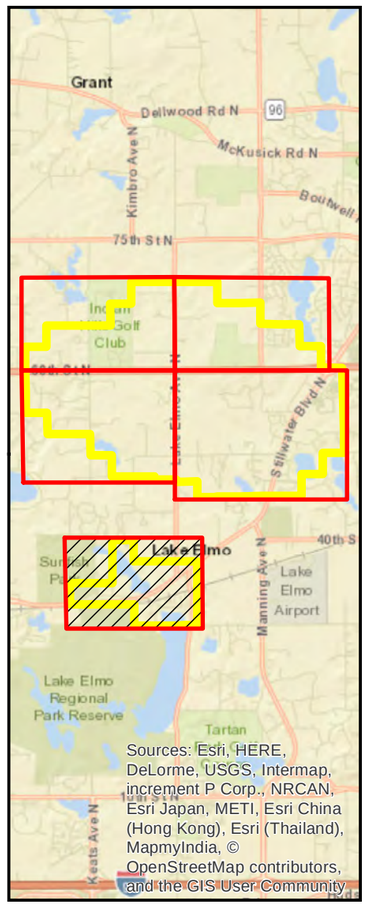
Legend

WELLTYPE

- Public Water Supply System
- UNKNOWN WELL
- WELL
- Class V Wells

Potential Contaminant Source Inventory

- Aboveground Storage Tanks
- Brownfield VIC
- Leak Site
- Petroleum Brownfield
- Petroleum Remediation
- Solid Waste, Permit By Rule
- Underground Storage Tanks
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area
- Parcels
- Washington_Roads



PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1	163-0102921110004	STATE OF MN-DOT	1500 COUNTY ROAD B2 W	ROSEVILLE MN 55113	Lake Elmo North
2	163-0102921110008	TAX FORF LAND-STATE OF MN	NULL	NULL	Lake Elmo North
3	163-0102921110012	HELLYER BARRY J & KIRSTEN A	11839 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
4	163-0102921110013	CHANG SHU-CHING	PO BOX 302	LAKE ELMO MN 55042	Lake Elmo North
5	163-0102921110014	SAINSBURY GREGG & AMY	11923 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
6	163-0102921110015	SCHNEIDER JOSEPH P & KATE M	11862 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
7	163-0102921110016	DOMEIER DOUGLAS J & JULIE A POWERS	11888 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
8	163-0102921110017	KLOEWER JEFFREY A & SHARON	11928 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
9	163-0102921120006	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
10	163-0102921120010	ERICKSON LEE	PO BOX 251247	WOODBURY MN 55125	Lake Elmo North
11	163-0102921120011	THE SANCTUARY LLC	1725 TOWER DR SUITE 140	STILLWATER MN 55082	Lake Elmo North
12	163-0102921120012	ERICKSON LEE	PO BOX 251247	WOODBURY MN 55125	Lake Elmo North
13	163-0102921130003	THE SANCTUARY LLC	1725 TOWER DR SUITE 140	STILLWATER MN 55082	Lake Elmo North
14	163-0102921130004	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo North
15	163-0102921130006	MYERS MARK E & SUZANNE M	11711 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
16	163-0102921130007	PILLA STEPHEN J & LISA S	11693 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
17	163-0102921130008	SIMMET ADAM J & LYNSEY	11671 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
18	163-0102921130009	WEBER JOSEPH L & KIMBERLY K	11649 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
19	163-0102921130010	SMITH KEVIN S & ABIGAIL L	5712 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
20	163-0102921130011	SLETTEN DANIEL W	5734 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
21	163-0102921130012	ERICKSON LEE	PO BOX 251247	WOODBURY MN 55125	Lake Elmo North
22	163-0102921130013	SCHMITT MICHAEL A & JILL A	5784 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
23	163-0102921130014	HOHEISEL MICHAEL R & KRISTEN E	5802 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
24	163-0102921130015	ANDERSON RYAN & ANDREA	5820 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
25	163-0102921130016	BRATVOLD ERIC A & JACQUELINE D	5840 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
26	163-0102921130017	ALM TIMOTHY F	11544 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
27	163-0102921130018	DORFF ADAM J & SARAH	11570 58TH CT N	LAKE ELMO MN 55042-6105	Lake Elmo North
28	163-0102921130019	ERICKSON LEE	PO BOX 251247	WOODBURY MN 55125	Lake Elmo North
29	163-0102921130020	SHELTON BRIAN L & MARIA T	11686 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
30	163-0102921130021	SCHINKA ANDREW J & AUTUMN J	11732 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
31	163-0102921130022	DEMAR WILLIAM & MELISSA	11762 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
32	163-0102921130023	RITCHIE TERRY & AMY	11796 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
33	163-0102921130024	BASTYR JED T & TERESA L	11619 58TH ST	LAKE ELMO MN 55042	Lake Elmo North
34	163-0102921130025	FRATTALONE NICHOLAS D & CHRISTI M	3035 CAREY HEIGHTS DR	MAPLEWOOD MN 55109	Lake Elmo North
35	163-0102921130026	NIMMO TODD R	11679 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
36	163-0102921130027	SEIFERT JAMES J & JANICE D	11703 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
37	163-0102921130028	BRAUNSHAUSEN ANDY D & SARAH J	11727 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
38	163-0102921130029	SILVERNALE DAVID B & TERESA L	11751 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
39	163-0102921130030	BIES ROBERT A & CHARLOTTE L	11769 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
40	163-0102921130031	PROPPS SYLVIA T & ALFRED T	11726 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
41	163-0102921130032	ISACKSON JOHN A & CASSANDRA B	11704 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
42	163-0102921130033	ANDERSON AUSTIN L & ERICKA R R	11686 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
43	163-0102921130034	OREN JOHN W & PAULA R	5725 LILY AVE	LAKE ELMO MN 55042	Lake Elmo North
44	163-0102921130035	KROECK WAYNE P & REGINA M	5765 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
45	163-0102921130036	NAYLON MARK P & CHRISTINE M	11830 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
46	163-0102921140001	BOLAN TIMOTHY C & JENNIFER L MOLL	5853 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
47	163-0102921140002	THE SANCTUARY LLC	1725 TOWER DR SUITE 140	STILLWATER MN 55082	Lake Elmo North
48	163-0102921140003	THE SANCTUARY LLC	1725 TOWER DR SUITE 140	STILLWATER MN 55082	Lake Elmo North
49	163-0102921140004	BOLAN TIMOTHY C & JENNIFER L MOLL	5853 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
50	163-0102921140005	GIESE NICHOLAS J & TRICIA G	5805 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
51	163-0102921140006	LORENSON MARK W & JULIE A	5769 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
52	163-0102921140007	LIGDAY JASON & JENNIFER	5747 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
53	163-0102921140008	WIMMER JASON	5729 LINDEN AVE N	LAKE ELMO MN 55042-6004	Lake Elmo North
54	163-0102921140009	CHICKETT PAMELA J	5711 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
55	163-0102921140010	FENSKE TAMERA M & JARED W	5701 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
56	163-0102921140011	BACKBERG BENJAMIN A & CHRISTINA G	5693 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
57	163-0102921140012	BACKBERG BENJAMIN A & CHRISTINA G	5693 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
58	163-0102921140013	HICKS DOUGLAS & SUSAN	11833 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
59	163-0102921140014	TORKKO ANDREW D & AMY C FOX	11815 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
60	163-0102921140015	COTTON MARK C & JENNY W	11797 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
61	163-0102921140016	GOMBOLD BRADLEY & KIMBERLY	11771 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
62	163-0102921140017	MOWDY TIMOTHY & JENNIFER	11753 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
63	163-0102921140018	HOLMEN TROY A & KRISTEN M	11787 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
64	163-0102921140019	CATHERINE L LONGTIN TRS	11809 58TH ST N	LAKE ELMO MN 55042	Lake Elmo North
65	163-0102921140020	STAUFFER WILLIAM M III & CAROL I STAUFFER	5810 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
66	163-0102921140021	HUDDLESTON STEPHEN J & JOSEPHINE M O'GARA	5782 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
67	163-0102921140022	BENJAMIN JEFFREY & LAURA	5736 LINDEN AVE N	LAKE ELMO MN 55042	Lake Elmo North
68	163-0102921140023	HENDRICKSON MATTHEW L & ANNE M	11806 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
69	163-0102921140024	PROSSER NATHANAEL C & BRITTANI J	11784 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
70	163-0102921140025	MCCURDY JENNIFER L & ANDREW S	11766 56TH ST N	LAKE ELMO MN 55042	Lake Elmo North
71	163-0102921210005	BERGMANN CHAD J & COLLEEN M	11459 60TH ST N	STILLWATER MN 55082	Lake Elmo North
72	163-0102921210007	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
73	163-0102921220001	DAHLBLOM DOUGLAS	5749 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
74	163-0102921220002	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
75	163-0102921220003	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
76	163-0102921220004	MILLER TERRY & JULIE A	5819 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
77	163-0102921220006	MILLER TERRY & JULIE A	5819 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
78	163-0102921220007	BERGMANN KEITH A	5833 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
79	163-0102921220008	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
80	163-0102921230001	WEBER STEVEN J	12729 22ND ST N	WEST LAKELAND MN 55082	Lake Elmo North
81	163-0102921230002	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
82	163-0102921230003	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
83	163-0102921230004	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
84	163-0102921230005	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
85	163-0102921230006	THIEL ROBERT B & SUSAN P	5597 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
86	163-0102921230008	THIEL ROBERT B & SUSAN P	5597 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
87	163-0102921230009	SIVIGNY MICHAEL B	5535 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
88	163-0102921230010	KARTARIK TREVOR A	5531 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
89	163-0102921230011	NEUMAN MICHAEL P & NELSON M J	5685 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
90	163-0102921240001	RICHARD J & EILEEN R BERGMANN TRS	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
91	163-0102921310003	RICHARD J & EILEEN R BERGMANN TRS	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
92	163-0102921320002	POTT MICHAEL W	PO BOX 13	LAKE ELMO MN 55042-0013	Lake Elmo North
93	163-0102921320003	SACHS JAMES W & MICHELLE A	5255 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
94	163-0102921320005	SHERMAN GABRIEL P & SANDRA J	5471 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
95	163-0102921320006	POTT MICHAEL W	PO BOX 13	LAKE ELMO MN 55042-0013	Lake Elmo North
96	163-0102921330001	DOWNING DAVID E & DEBRA A	5135 LAKE ELMO AVE N	LAKE ELMO MN 55042-9562	Lake Elmo North
97	163-0102921330003	GLCJ PROPERTIES LLC	1870 RICE ST	ROSEVILLE MN 55113	Lake Elmo North
98	163-0102921330004	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo North
99	163-0102921330006	SAFFLE JEFFREY R & SUSAN A	PO BOX 102	LAKE ELMO MN 55042	Lake Elmo North
100	163-0102921330007	MADRINICH JEAN	11240 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
101	163-0102921340001	VANDERHOFF KEVIN & AMY	11384 50TH ST	LAKE ELMO MN 55042	Lake Elmo North
102	163-0102921340002	TENPAS REBECCA G & JAMES B	11330 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
103	163-0102921340003	VANDERHOFF BRUCE & CHARLENE	11434 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
104	163-0102921340004	HANSEN JAMES D & SUSAN J	11260 50TH ST	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
105	163-0102921410001	LANDUCCI HOMES INC	13230 20TH STREET CT N	STILLWATER MN 55082	Lake Elmo North
106	163-0102921420003	LANDUCCI HOMES INC	13230 20TH STREET CT N	STILLWATER MN 55082	Lake Elmo North
107	163-0102921430001	LANDUCCI HOMES INC	13230 20TH STREET CT N	STILLWATER MN 55082	Lake Elmo North
108	163-0102921430002	HECKER DANIEL J & DANIELLE	11658 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
109	163-0102921440004	TAMARACK FARM HOA	5041 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
110	163-0102921440005	TAX FORF LAND-STATE OF MN	14949 62ND ST N	STILLWATER MN 55082	Lake Elmo North
111	163-0102921440006	TAMARACK FARM HOA	5041 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
112	163-0102921440007	WALLRICH WILLIAM T & PHYLLIS A	5067 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
113	163-0102921440008	OLSEN MARIE L	5073 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
114	163-0102921440009	MARIETTA MICHAEL P & ELIZABETH	5079 LINDEN TRL	LAKE ELMO MN 55042	Lake Elmo North
115	163-0102921440010	WILKE BERNARD A & JEANNE A	5085 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
116	163-0102921440015	WISEMAN PAUL & PAMALA	5165 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
117	163-0102921440016	SVEDBERG ERIC J & MICHELE L	5197 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
118	163-0102921440017	GALL LINDA L & RICHARD T	5235 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
119	163-0102921440018	GMEINDER MARK J & LORI	5257 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
120	163-0102921440019	MEZERA RONALD L & HOLLY B	5279 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
121	163-0102921440020	CAMPBELL NATHAN J & CAITLIN M	5308 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
122	163-0102921440021	MCGINLEY KENNETH C & ELIZABETH	5288 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
123	163-0102921440022	WORM THOMAS B & MELISSA R L	5264 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
124	163-0102921440023	SCHUMACHER STEPHEN J	5038 LINDEN TRL N	LAKE ELMO MN 55042-8553	Lake Elmo North
125	163-0102921440024	COLE LUCAS C & STACY L	5080 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
126	163-0102921440025	HANSEN CRAIG T & ANNE E	124 LAKESIDE DR	STILLWATER MN 55082	Lake Elmo North
127	163-0102921440026	TAMARACK FARM HOA	5041 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
128	163-0102921440027	PALMER STEVEN D & KATHLEEN A	5041 LINDEN TRL	LAKE ELMO MN 55042	Lake Elmo North
129	163-0102921440028	KATHERINE J LEONIDAS REV TRS	5049 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
130	163-0102921440029	BROCHMAN JUNE TRS	5057 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
131	163-0102921440030	VINESKI VICKI R & RICHARD E	5063 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
132	163-0102921440031	TAMARACK FARM HOA	5041 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
133	163-0202921110002	RIVER VALLEY CHRISTIAN CHURCH	5900 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
134	163-0202921110003	DISCOVER CROSSING HOA INC	10978 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
135	163-0202921110004	DISCOVER CROSSING INVESTMENTS	118 MAIN ST S PO BOX 36	STILLWATER MN 55082	Lake Elmo North
136	163-0202921110005	DISCOVER CROSSING HOA INC	10978 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
137	163-0202921110006	PINK THOMAS D & JESSIE N	1790 PARTRIDGE PLACE	CENTERVILLE MN 55038	Lake Elmo North
138	163-0202921110007	MADISON BRIAN D & COLLEN H	10914 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
139	163-0202921110008	HILL MARK J & KARI L	10926 57TH ST N	LAKE ELMO MN 55042-9697	Lake Elmo North
140	163-0202921110009	DISCOVER CROSSING INVESTMENTS	118 MAIN ST S PO BOX 36	STILLWATER MN 55082	Lake Elmo North
141	163-0202921110010	FLEMING MICHAEL G & JANA D	5730 57TH ST CURV N	LAKE ELMO MN 55042	Lake Elmo North
142	163-0202921110011	DISCOVER CROSSING INVESTMENTS	118 MAIN ST S PO BOX 36	STILLWATER MN 55082	Lake Elmo North
143	163-0202921110012	KUMMETH CHARLES R & ANGELA DILLOW	5710 57TH STREET CV N	LAKE ELMO MN 55042	Lake Elmo North
144	163-0202921120001	TAX FORF LAND-STATE OF MN	NULL	NULL	Lake Elmo North
145	163-0202921120002	BERGMANN RICHARD J & EILEEN	5500 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
146	163-0202921120006	PUTZIER JOHN & BRIAN MEYERS	W8085 810TH AVE	RIVER FALLS WI 54022	Lake Elmo North
147	163-0202921140004	DISCOVER CROSSING HOA INC	10978 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
148	163-0202921140005	DISCOVER CROSSING HOA INC	10978 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
149	163-0202921140006	DISCOVER CROSSING INVESTMENTS	118 MAIN ST S PO BOX 36	STILLWATER MN 55082	Lake Elmo North
150	163-0202921140007	FELLOWS DONOVAN B & MARY R	2437 GOLF DR	WOODBURY MN 55129	Lake Elmo North
151	163-0202921140008	KLEMENHAGEN BRIAN & MELISSA A	5683 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North
152	163-0202921140009	MARTSCHING ROBERT J & JANE M	5671 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North
153	163-0202921140010	DEPPERT HALDEN R TRS & VERONICA DEPPERT TRS	5659 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North
154	163-0202921140011	CASTILLO SERGIO J	5647 57TH STREET CIR	LAKE ELMO MN 55042	Lake Elmo North
155	163-0202921140012	MENDEZ ALEJANDRO & KRISTINE A	5650 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North
156	163-0202921140013	LAFONTAINE MICHAEL & AMY	5658 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
157	163-0202921140014	DANIELS MARI B & DAVID L	5670 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North
158	163-0202921140015	BELMONT MICHAEL A & BRANDI J WITT	5682 57TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo North
159	163-0202921140016	FLEX HOLDINGS LLC	4024 PEAVEY RD	CHASKA MN 55318	Lake Elmo North
160	163-0202921140017	FULLER KATHLEEN M	10941 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
161	163-0202921140018	CHIAL TERRY L & SALLY B	10929 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
162	163-0202921140019	KARKULA BRENT & LAURA	10911 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
163	163-0202921140020	HIPPEL JAMES T & SUZANNE L	10938 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
164	163-0202921140021	DYER STEVEN & CHRISTA	11200A SAND CASTLE DR	WOODBURY MN 55129	Lake Elmo North
165	163-0202921140022	DEBRUIN BRIAN & VANESSA	10966 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
166	163-0202921140023	ANN R KENNEDY TRS	10978 59TH ST N	LAKE ELMO MN 55042	Lake Elmo North
167	163-0202921140024	HANGGI BRADLEY & MARIA	10994 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
168	163-0202921140025	BREIEN KRISTOFFER & AMY KELLY	10977 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
169	163-0202921140026	GREGORY ZANON LIV TRS	10985 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
170	163-0202921140027	FRIESE RODNEY L & HEATHER G ROBBINS	10997 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
171	163-0202921210002	ROCKPOINT CHURCH	5825 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo North
172	163-0202921210003	ROCKPOINT CHURCH	5825 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo North
173	163-0202921220001	ZIERTMAN STEVEN R & JOAN M	5761 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
174	163-0202921230001	MENZ RICHARD J	5615 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
175	163-0202921230003	SESSING RODNEY N & DIANE L	5699 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
176	163-0202921230005	HERMANSON CHRISTINE L	5545 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
177	163-0202921240001	ROCKPOINT CHURCH	5825 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo North
178	163-0202921310001	DEGE GEORGE S & KATHLEEN ANN RHEIN-DEGE	5193 KEATS AVE	LAKE ELMO MN 55042	Lake Elmo North
179	163-0202921310003	SLOMKOWSKI LEEANN M	5415 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
180	163-0202921310005	MAGILL JOSEPH M & MAUREEN M	5275 KEATS AVE N	LAKE ELMO MN 55042-0000	Lake Elmo North
181	163-0202921320002	BERGER KATHLEEN A & DUSTIN M	5435 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
182	163-0202921330001	GEORGE S DEGE & KATHLEEN A RHEIN-DEGE REV TRS	5193 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
183	163-0202921330002	VOGEL WILLIAM J & CHERYL	5055 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
184	163-0202921330003	CROCKER GEORGE W & CYNTHIA L FOUSHEE	5093 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
185	163-0202921330004	SULLWOLD GILBERT E & VIOLA TRS	10190 47TH ST N	LAKE ELMO MN 55042	Lake Elmo North
186	163-0202921340001	SULLWOLD GILBERT E & VIOLA TRS	10190 47TH ST N	LAKE ELMO MN 55042	Lake Elmo North
187	163-0202921340003	DEGE GEORGE S & KATHLEEN ANN RHEIN-DEGE	5193 KEATS AVE	LAKE ELMO MN 55042	Lake Elmo North
188	163-0202921340005	SULLWOLD GILBERT E & VIOLA TRS	10190 47TH ST N	LAKE ELMO MN 55042	Lake Elmo North
189	163-0202921410001	WHITMAN DAVID A & MICHELLE JH	5272 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
190	163-0202921410002	EFFERTZ KEITH	5324 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
191	163-0202921410003	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo North
192	163-0202921410004	MICHELS JOHN A & NITA B	5424 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
193	163-0202921410006	YVETTE M OLDENDORF LIVING TRS	5418 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
194	163-0202921410008	SCHREIFELS BRAD A & DIANE M	5416 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
195	163-0202921410009	POMEROY BRYAN & SUSAN VAN TASSEL	5414 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
196	163-0202921410010	JOAN A ROGERS REV TRS 11/05/15	5412 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
197	163-0202921410011	HILL DEAN C & JANET M	5404 LAKE ELMO RD N	LAKE ELMO MN 55042	Lake Elmo North
198	163-0202921410012	LUNDQUIST KRISTINA M	5410 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
199	163-0202921410013	WHITMAN DAVID A & MICHELLE JH	5272 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
200	163-0202921410014	KLANCHER KEVIN E & RACHEL A	5422 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
201	163-0202921420001	HESSE RICHARD D & ROSALIE M	5235 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
202	163-0202921420002	BASARA DOUGLAS J & ELIZABETH J	5300 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
203	163-0202921420003	LAATSCH JOHN M & MARY CANE LAATSCH	5760 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
204	163-0202921430001	DAVIS LLOYD O & JACQUELINE D	10550 50TH ST	LAKE ELMO MN 55042	Lake Elmo North
205	163-0202921430002	TRS ANTHONY P MANZARA	5050 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
206	163-0202921430003	WAYNE MAURICE HECTOR TRS ETAL	5110 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
207	163-0202921430004	THOMPSON CARMEN M	5170 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
208	163-0202921430005	KRISTENSON ALLAN J & JACQUEL	5230 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
209	163-0202921440005	HALVERSON KENNETH K & PAULINE	5190 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
210	163-0202921440006	FLEMING JOSEPH L	5040 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
211	163-0202921440007	RICHARD DAVID HESSE & ROSALIE MARIE HESSE LIV TRS	5235 KIRKWOOD AVE N	LAKE ELMO MN 55042	Lake Elmo North
212	163-0302921110004	PRAIRIE HAMLET COMMUNITY ASSN	9902 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
213	163-0302921110005	PRAIRIE HAMLET COMMUNITY ASSN	9902 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
214	163-0302921110006	PRAIRIE HAMLET COMMUNITY ASSN	9902 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
215	163-0302921110009	DELGRECO PETER & JONNILEE	9880 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
216	163-0302921110010	BENNING CARLA	9858 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
217	163-0302921110011	FAUST DAVID J & DENISE M	9836 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
218	163-0302921110012	HILGERS MICHAEL E & KIM MARIE	9818 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
219	163-0302921110013	ANDRUS DOUGLAS E & PATRICIA A	9831 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
220	163-0302921110014	ZABEL ELIZABETH & ADAM SLINGER	9849 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
221	163-0302921110015	LYNSKEY MICHAEL J JR	PO BOX 36	STILLWATER MN 55082	Lake Elmo North
222	163-0302921110016	FERRIS DAVID & KIMBERLY CLARK	9885 59TH ST CT N	LAKE ELMO MN 55042	Lake Elmo North
223	163-0302921110019	ELLIS RICHARD P & MARY E	9902 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
224	163-0302921110020	ANN MARIE WIELAND TRS	9910 59TH ST CT	LAKE ELMO MN 55042	Lake Elmo North
225	163-0302921110021	BOYLE EDWARD & MARLENE	9918 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
226	163-0302921110022	SUZANNE F HAWKINS TRS	9924 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
227	163-0302921110023	KOSLOWSKI LINDA A	9917 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
228	163-0302921110024	FLOCK PETER D & CAROLYN F	9913 59TH STREET CT N	LAKE ELMO MN 55042-8533	Lake Elmo North
229	163-0302921110025	ARRIGONI GERALD & PATRICIA	9905 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
230	163-0302921110026	BEER TIMOTHY H & KELLY J	9901 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
231	163-0302921110027	PRAIRIE HAMLET COMMUNITY ASSN	9902 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
232	163-0302921120001	LAUSENG RUBEN D & LAUDINE P	9591 60TH ST N	LAKE ELMO MN 55042	Lake Elmo North
233	163-0302921120002	PEDERSON MORRIS E & DONNA J	9585 60TH ST N	LAKE ELMO MN 55042	Lake Elmo North
234	163-0302921120003	REVOLUTION GROUP INC	PO BOX 1361	MINNETONKA MN 55345	Lake Elmo North
235	163-0302921120005	LOVETT DOUGLAS L & MEREDITH	9940 59TH STREET CT N	LAKE ELMO MN 55042	Lake Elmo North
236	163-0302921130003	CHLEBECK STEPHEN JR & PATRICIA A BARRETT	9692 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
237	163-0302921130004	LISA L BURBAN TRS	9612 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
238	163-0302921130005	JOSTES ERIK E & DENISE	9568 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
239	163-0302921130006	BERGIE BRADLEY L TRS & MARCIA A BERGIE TRS	9481 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
240	163-0302921130007	STEELE GREGORY J	9543 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
241	163-0302921130008	JESKA JOHN E & PATRICIA J	9605 57TH ST N	LAKE ELMO MN 55042-9588	Lake Elmo North
242	163-0302921130010	WARNSHOLZ REYNOLD A & LINDA M RAMSAY	5673 JULEP WAY	LAKE ELMO MN 55042	Lake Elmo North
243	163-0302921130011	RICHARD K KAISER & RHONDA J KIMLER TRS	5629 JULEP WAY N	LAKE ELMO MN 55042	Lake Elmo North
244	163-0302921130012	YOUNG JAMES & BREE	5611 JULEP WAY	LAKE ELMO MN 55042	Lake Elmo North
245	163-0302921130013	FICK WADE A & JULIE L	5638 JULEP WAY	LAKE ELMO MN 55042	Lake Elmo North
246	163-0302921130014	VANG WANGTHOR	5660 JULEP WAY	LAKE ELMO MN 55042	Lake Elmo North
247	163-0302921140001	VANG PHIA & YER	9830 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
248	163-0302921140002	RICHARD J EGERSDORF LIV TRS 2/9/16	9960 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
249	163-0302921140003	PEDERSEN JEFFREY C & SHERRY	9896 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
250	163-0302921140004	WEATHERUP ROBERT J & COREY M	9844 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
251	163-0302921140005	JURAN LEONARD D & BONNIE M	9784 57TH ST N	LAKE ELMO MN 55042-9588	Lake Elmo North
252	163-0302921140006	LY MONGSHER M & SIA LO	9965 57TH ST N	LAKE ELMO MN 55042	Lake Elmo North
253	163-0302921140007	TANSOM COREY	9875 57TH N	LAKE ELMO MN 55042	Lake Elmo North
254	163-0302921140008	BOETTCHER JEFFREY A & KARISSA	5630 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
255	163-0302921140009	CITIBANK NA	3217 DECKER LAKE DR S	SALT LAKE CITY UT 84119	Lake Elmo North
256	163-0302921140010	ANTONELLO JOSEPH R & ANGELEEN M ANTONELLO	9873 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
257	163-0302921140011	CHERRY JONATHAN C & ANN M	9855 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
258	163-0302921140012	ANDERSON ROBERT O III & JENNIFER L ANDERSON	9800 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
259	163-0302921140013	VANG PHIA N & VUE YER	9830 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
260	163-0302921210002	CHRISTMAN RANDALL & JULIE	9265 60TH ST N	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
261	163-0302921210003	UNITED POWER & LAND CO	414 NICOLLET MALL	MINNEAPOLIS MN 55402	Lake Elmo North
262	163-0302921210004	BROGREN KARL E & SANDRA J	9696 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
263	163-0302921210005	SCHAD DAVID L & GINA M	9744 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
264	163-0302921210006	SANDBERG ROCHELLE M	9798 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
265	163-0302921210007	HUGHES ALEXANDER	9747 55TH ST	LAKE ELMO MN 55042	Lake Elmo North
266	163-0302921210008	PAWLUK GARTH R & SUSAN M	9719 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
267	163-0302921230012	KASTLER PETER H & MADELINE E & LINDA DORNFELD	9130 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
268	163-0302921240003	HUGHES JOHN R & CHARLENE	9455 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
269	163-0302921240004	DIAZ JIMMY	9515 55TH ST N	LAKE ELMO MN 55042-8535	Lake Elmo North
270	163-0302921240005	RADERS DEAN A & PRATHER H P JR	9589 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
271	163-0302921240006	TAIPALE HARVEY J & GAYLE E	9275 57TH ST N	LAKE ELMO MN 55042-8586	Lake Elmo North
272	163-0302921240007	AUGER THOMAS & MARY	9486 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
273	163-0302921240008	STEELE DAVID & DEBORAH	9576 55TH ST N	LAKE ELMO MN 55042-8535	Lake Elmo North
274	163-0302921240009	GRABOWSKI DENNIS J & SANDRA L GRABOWSKI	9652 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
275	163-0302921410002	EGGEN PETER D & PAMELA K	5250 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
276	163-0302921410003	NELSON CYNTHIA JANE	5240 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
277	163-0302921410004	BRUCE R & LEANN M KAUFENBERG TRS	9940 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
278	163-0302921410005	HOPKINS DANIEL J & JULIE L	9890 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
279	163-0302921410006	COONS GERARD T & DEBORAH M	9834 53RD ST N	LAKE ELMO MN 55042-9630	Lake Elmo North
280	163-0302921410007	CHO CHANG HA & KIMBERLY M	9945 53RD ST	LAKE ELMO MN 55042	Lake Elmo North
281	163-0302921410008	MEUWISSEN JOHN P	9895 53RD ST	LAKE ELMO MN 55042	Lake Elmo North
282	163-0302921410009	CATTANACH REXFORD K & LYNN B	9855 53RD ST N	LAKE ELMO MN 55042-9630	Lake Elmo North
283	163-0302921410010	WEINBERGER WILLIAM J & CHONG H	9805 53RD ST	LAKE ELMO MN 55042	Lake Elmo North
284	163-0302921420003	LEMONDS ROBERT A & JOANNE F	9768 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
285	163-0302921420004	STODDARD ROGER C & JERI L	9710 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
286	163-0302921420005	SPIKE KIRBY R & JULIE R	9670 53RD ST	LAKE ELMO MN 55042	Lake Elmo North
287	163-0302921420006	NIELSEN GREGG A & JULIE A	9636 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
288	163-0302921420007	KOHLER ROBERT E & REBECCA L	9618 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
289	163-0302921420008	MOELLER STEVEN J & HEIDI	9580 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
290	163-0302921420009	HILDEBRANDT EDWARD J & VIRGINIA	9765 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
291	163-0302921420010	DARRELL J OMAN & CONNIE M OMAN TRS	9715 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
292	163-0302921420011	KERAN TIMOTHY & CONSTANCE	9655 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
293	163-0302921420012	MICHEL WILLIAM D & RAE ANN	9605 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
294	163-0302921420013	PEPIN DOUGLAS RICHARD & KAREN	9571 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
295	163-0302921420014	YOUSSEF ALI K & EMILY A BRUNNER	9535 53RD ST N	LAKE ELMO MN 55042	Lake Elmo North
296	163-0302921440018	STANNARD CLAUDIA U	3493 HERITAGE AVE	STILLWATER MN 55082	Lake Elmo North
297	163-0302921440019	SCHUBERT KARIN A	5222 KEATS AVE N	LAKE ELMO MN 55042	Lake Elmo North
298	163-0502920330003	BISCHOFF TIMOTHY J & KERI J	5040 NEAL AVE N	STILLWATER MN 55082	Lake Elmo North
299	163-0602920110007	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
300	163-0602920110010	SKY PROPERTY LLC	313 HERITAGE TRL	CIRCLE PINES MN 55014	Lake Elmo North
301	163-0602920110011	OAK PARK PONDS LLC	4590 SCOTT TRL # 103	EAGAN MN 55122	Lake Elmo North
302	163-0602920110012	NH PARTNERS-OAK PARK HEIGHTS LLC	3405 ANNAPOLIS LN #100	PLYMOUTH MN 55447	Lake Elmo North
303	163-0602920110013	LEONARD INVESTMENTS LLC	1000 CONCORD ST S	SOUTH ST PAUL MN 55075	Lake Elmo North
304	163-0602920110014	KM SCHLANGEN PROPERTIES LLC	1404 SIERRA CT W	SARTELL MN 56377	Lake Elmo North
305	163-0602920110017	TCF NATIONAL BANK MN	1405 XENIUM LN N	PLYMOUTH MN 55441	Lake Elmo North
306	163-0602920110019	OAK PARK HEIGHTS RETAIL CENTER	50 6TH ST S # 1418	MINNEAPOLIS MN 55402	Lake Elmo North
307	163-0602920110020	PREMIER BANK	2866 WHTE BEAR AVE	MAPLEWOOD MN 55109	Lake Elmo North
308	163-0602920110021	MARCO POLO INC	PO BOX 13519	ARLINGTON TX 76094	Lake Elmo North
309	163-0602920110022	OAK PARK HEIGHTS LAND CO LLC	4815 KROLL RD	SAGINAW MN 55779	Lake Elmo North
310	163-0602920120005	TUCKNER ROGER L & BRUCE M	5920 MEMORIAL AVE N	STILLWATER MN 55082	Lake Elmo North
311	163-0602920120006	TUCKNER ROGER L & BRUCE M	5920 MEMORIAL AVE N	STILLWATER MN 55082	Lake Elmo North
312	163-0602920120010	BRACKEY ROBERT	80 ARLINGTON AVE E	ST PAUL MN 55117	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
313	163-0602920120012	REALTY INCOME PROPERTIES 3 LLC	11995 EL CAMINO REAL	SAN DIEGO CA 92130	Lake Elmo North
314	163-0602920120013	MN DEPT OF TRANSPORTATION	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
315	163-0602920120017	PRTS COMMON ELEMENT	14949 62ND ST N	STILLWATER MN 55082	Lake Elmo North
316	163-0602920120018	LAKE AREA BANK	1400 HIGHWAY 96 E	WHITE BEAR LAKE MN 55110	Lake Elmo North
317	163-0602920120019	NOAH MITCHELL J & ADAM J	5795 MINNESOTA AVE N	STILLWATER MN 55082	Lake Elmo North
318	163-0602920120020	CITY OF OAK PARK HEIGHTS	14168 OAK PARK BLVD N PO BOX 2007	STILLWATER MN 55082-2007	Lake Elmo North
319	163-0602920120021	RADUENZ DEALERSHIP PROP LLC	5900 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
320	163-0602920120022	RADUENZ DEALERSHIP PROP LLC	5900 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
321	163-0602920120024	KWIK TRIP INC	1626 OAK ST	LA CROSSE WI 54603	Lake Elmo North
322	163-0602920130004	MN DEPT OF TRANSPORTATION	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
323	163-0602920130005	VALVOLINE LLC	3499 BLAZER PKWY	LEXINGTON KY 40509	Lake Elmo North
324	163-0602920130006	MN DEPT OF TRANSPORTATION	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
325	163-0602920130008	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
326	163-0602920130009	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
327	163-0602920130010	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
328	163-0602920130013	CLARK LORENE F	3701 OAKGREEN AVE N	STILLWATER MN 55082	Lake Elmo North
329	163-0602920130015	ALL THINGS ARE POSSIBLE PR LLC	1885 NEWBERRY AVE N	STILLWATER MN 55082	Lake Elmo North
330	163-0602920130016	APPLE CREEK LLC	106 E LAUREL ST	STILLWATER MN 55082	Lake Elmo North
331	163-0602920140004	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo North
332	163-0602920140005	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo North
333	163-0602920140006	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo North
334	163-0602920140007	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
335	163-0602920140009	NEMEC DAVID M & POLLY L	850 BURKE CT	NORTH ST PAUL MN 55109	Lake Elmo North
336	163-0602920140014	FIRST STATE BANK & TRUST	950 HIGHWAY 95 N	BAYPORT MN 55003	Lake Elmo North
337	163-0602920140015	OAK PARK PONDS LLC	4590 SCOTT TRL # 103	EAGAN MN 55122	Lake Elmo North
338	163-0602920140016	OAK PARK PONDS LLC	4590 SCOTT TRL # 103	EAGAN MN 55122	Lake Elmo North
339	163-0602920210001	PREMIER BANK	2866 WHTE BEAR AVE	MAPLEWOOD MN 55109	Lake Elmo North
340	163-0602920210002	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo North
341	163-0602920210003	J A HOLDINGS LLC	1625 WIDGEON CIR	CENTERVILLE MN 55038	Lake Elmo North
342	163-0602920210004	SECURE MINI STORAGE LMTD PAR & DEPT PT MN 25560	PO BOX 25025	GLENDALE CA 91221	Lake Elmo North
343	163-0602920210005	SECURE MINI STORAGE LMTD PAR & DEPT PT MN 25560	PO BOX 25025	GLENDALE CA 91221	Lake Elmo North
344	163-0602920210006	SECURE MINI STORAGE LMTD PAR & DEPT PT MN 25560	PO BOX 25025	GLENDALE CA 91221	Lake Elmo North
345	163-0602920210007	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
346	163-0602920210008	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
347	163-0602920220001	WASHINGTON COUNTY	14949 62ND ST N	STILLWATER MN 55082	Lake Elmo North
348	163-0602920220002	BIDON THOMAS M	5757 MANNING AVE N	STILLWATER MN 55082	Lake Elmo North
349	163-0602920220003	HAUTH KENNETH M & NANCY L	5775 MANNING AVE	STILLWATER MN 55082	Lake Elmo North
350	163-0602920230001	DEUTSCHE BANK NATL TRS CO TRS	8950 CYPRESS WATERS BLVD	COPPELL TX 75019	Lake Elmo North
351	163-0602920230006	CAROL ANN PALMQUIST TRS	12202 55TH ST N	STILLWATER MN 55082	Lake Elmo North
352	163-0602920230007	LONGACRE WALTER H	12058 55TH ST N	STILLWATER MN 55082	Lake Elmo North
353	163-0602920240006	STILLWATER WEST LLC	11910 OTCHIPWE AVE N	STILLWATER MN 55082	Lake Elmo North
354	163-0602920240007	US POSTAL SERVICE	7500 E 53RD PLACE	DENVER CO 80266	Lake Elmo North
355	163-0602920240008	US POSTAL SERVICE	7500 E 53RD PLACE	DENVER CO 80266	Lake Elmo North
356	163-0602920240009	W A T E ENTERPRISES INC	5670 MEMORIAL AVE N	STILLWATER MN 55082	Lake Elmo North
357	163-0602920240014	CITY OF OAK PARK HEIGHTS	14168 OAK PARK BLVD N PO BOX 2007	STILLWATER MN 55082-2007	Lake Elmo North
358	163-0602920240015	W A T E ENTERPRISES INC	11255 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
359	163-0602920240016	W A T E ENTERPRISES INC	11255 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
360	163-0602920240017	W A T E ENTERPRISES INC	11255 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
361	163-0602920240018	CANVAS HEALTH INC	7066 STILLWATER BLVD	OAKDALE MN 55128	Lake Elmo North
362	163-0602920240019	W A T E ENTERPRISES INC	11255 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
363	163-0602920240020	W A T E ENTERPRISES INC	11255 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
364	163-0602920240021	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
365	163-0602920240022	W A T E ENTERPRISES INC	5670 MEMORIAL AVE N	STILLWATER MN 55082	Lake Elmo North
366	163-0602920240023	W A T E ENTERPRISES INC	5670 MEMORIAL AVE N	STILLWATER MN 55082	Lake Elmo North
367	163-0602920240024	SE-TAC PROPERTIES-COMMERCIAL LLC	2000 INDUSTRIAL BLVD	STILLWATER MN 55082	Lake Elmo North
368	163-0602920240025	SE-TAC PROPERTIES-COMMERCIAL LLC	2000 INDUSTRIAL BLVD	STILLWATER MN 55082	Lake Elmo North
369	163-0602920240026	SE-TAC PROPERTIES-COMMERCIAL LLC	2000 INDUSTRIAL BLVD	STILLWATER MN 55082	Lake Elmo North
370	163-0602920240027	SE-TAC PROPERTIES-COMMERCIAL LLC	2000 INDUSTRIAL BLVD	STILLWATER MN 55082	Lake Elmo North
371	163-0602920240028	SE-TAC PROPERTIES-COMMERCIAL LLC	2000 INDUSTRIAL BLVD	STILLWATER MN 55082	Lake Elmo North
372	163-0602920240029	SE-TAC PROPERTIES-COMMERCIAL LLC	2000 INDUSTRIAL BLVD	STILLWATER MN 55082	Lake Elmo North
373	163-0602920240030	DDD LLC	12430 55TH ST N	STILLWATER MN 55082	Lake Elmo North
374	163-0602920240031	DDD LLC	12430 55TH ST N	STILLWATER MN 55082	Lake Elmo North
375	163-0602920240035	STADIUM VIEUX PROPERTIES LLC	5605 MEMORIAL AVE N	STILLWATER MN 55082	Lake Elmo North
376	163-0602920240036	HARKLAU LEASING LLC	PO BOX 603	HUMBOLDT IA 50548	Lake Elmo North
377	163-0602920310004	TIESZEN MICHAEL D & MARY A	5323 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
378	163-0602920310005	KERN JOHN W	5469 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
379	163-0602920310006	VANG KOU & DAWN S	5345 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
380	163-0602920310008	MN DEPT OF TRANSPORTATION	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
381	163-0602920310010	MN DEPT OF TRANSPORTATION	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
382	163-0602920310011	CARRIAGE STATION HOMWNERS ASSN	PO BOX 185	LAKE ELMO MN 55042	Lake Elmo North
383	163-0602920310012	SMITH BETTY S	12460 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
384	163-0602920310013	HODGIN DANIEL & MEGAN	12446 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
385	163-0602920310014	HALL STEVEN M & DIANE M C	12432 MARQUESS WAY	LAKE ELMO MN 55042	Lake Elmo North
386	163-0602920310015	BECKER JASON T & KATHLEEN S	12418 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
387	163-0602920310016	BRANHAM THOMAS W & DEBRA F	12404 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
388	163-0602920310017	HOLLY MICHAEL R & MARY G	12386 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
389	163-0602920310018	WOOD NATHAN W & DIANE E	12362 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
390	163-0602920310019	HINCK JOHN J & SHARON L	12340 MARQUESS WAY	LAKE ELMO MN 55042	Lake Elmo North
391	163-0602920310020	BOUGIE SCOTT A & MELISSA A PATTERSON	12324 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
392	163-0602920310021	FORS TERRY & MELODY	12312 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
393	163-0602920310022	VILLARREAL CARLOS G & ERIN M	12300 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
394	163-0602920310023	HARRIS DAVID & KATHLEEN N	12288 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
395	163-0602920310024	MCCORMICK THOMAS J & JENNIFER	12276 MARQUESS WAY	LAKE ELMO MN 55042	Lake Elmo North
396	163-0602920310025	MILLER STEPHEN P & NICHOLE C	12260 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
397	163-0602920310027	MARTINSON JEFFREY S & ANNETTE P	12311 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
398	163-0602920310028	CUNNINGTON ROESKE EMMA M & MARK ROESKE	12337 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
399	163-0602920310029	ULRICH JOHN D & LISA M	12359 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
400	163-0602920310030	FEYEN ALAN & DEBORAH	12371 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
401	163-0602920310031	CAVALLARO ANTHONY J & KIM M CAVALLARO	12383 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
402	163-0602920310032	THOMAS DYLAN J & LYNDSEY R	12409 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
403	163-0602920310033	JOHNSON SARAH A & JOHN MCKINLEY	12455 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
404	163-0602920310034	REIMANN ROD A & GARNET	12497 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
405	163-0602920310035	GJERDE TIMOTHY & RACHAEL	12521 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
406	163-0602920310036	NEFF ALEX B & PATRICIA	5383 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
407	163-0602920310037	TIMMONS MICHAEL J & KRISTIN M	5403 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
408	163-0602920310038	ARMSTRONG DARON & LARA	5429 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
409	163-0602920310039	DEAN JEFFREY G & WENDY E	5445 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
410	163-0602920310040	NELSON JEFFREY D & CYNTHIA M	12476 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
411	163-0602920310041	YOUNG BROCK D & ANISSA A	12488 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
412	163-0602920310042	VARHALLA VICTORIA A & GREGORY	12502 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
413	163-0602920310043	CITY OF OAK PARK HEIGHTS	14168 OAK PARK BLVD N PO BOX 2007	STILLWATER MN 55082-2007	Lake Elmo North
414	163-0602920310049	SAINT'S PROPERTIES LLC	17 WILDFLOWER PLACE	NORTH OAKS MN 55127	Lake Elmo North
415	163-0602920310050	DURANGO LLC	84 ST CROIX TRAIL S	LAKELAND MN 55043	Lake Elmo North
416	163-0602920310051	F & B PROPERTIES LLC	15991 PAUL AVE N	MARINE ON SAINT CROIX MN 55047	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
417	163-0602920310052	F & B PROPERTIES LLC	15991 PAUL AVE N	MARINE ON SAINT CROIX MN 55047	Lake Elmo North
418	163-0602920310053	DECKVIEW PROPERTIES LLC	12445 55TH ST # B	LAKE ELMO MN 55042	Lake Elmo North
419	163-0602920310054	RIVER TOWN PROPERTIES LLC	12445 55TH ST # C	LAKE ELMO MN 55042	Lake Elmo North
420	163-0602920310055	BLUE MOUNTAIN HOLDINGS LLC	2250 NW FLANDERS # G2	PORTLAND OR 97210	Lake Elmo North
421	163-0602920310056	ANCHOR HOLDINGS LLC	12435 55TH ST N # 3	LAKE ELMO MN 55042	Lake Elmo North
422	163-0602920310057	FLUG THOMAS W & JOELLE R	1204 BROADWAY ST N	STILLWATER MN 55082	Lake Elmo North
423	163-0602920310058	STABILITY PROPERTIES LLC	12435 55TH ST N	LAKE ELMO MN 55042	Lake Elmo North
424	163-0602920310060	PRTS COMMON ELEMENT	14949 62ND ST N	STILLWATER MN 55082	Lake Elmo North
425	163-0602920320004	ST JOHN'S EVANGELICAL LUTHERAN	5274 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
426	163-0602920320005	MAGNUS WARREN & ELIZABETH A LODAHL	12167 MARQUESS LANE CV N	LAKE ELMO MN 55042	Lake Elmo North
427	163-0602920320006	JOHNSON JAY E & SMITH ANNE J	12153 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
428	163-0602920320007	BIELENBERG BRENT D & NANCY C	12115 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
429	163-0602920320008	COLBURN DAVID J & CORINNE M	12067 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
430	163-0602920320009	OPPELT DAWN & MATTHEW	12035 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
431	163-0602920320010	PRIGGE MICHAEL N & ROBIN L	12023 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
432	163-0602920320011	AMUNDSON KURT M & AMBER L	5294 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
433	163-0602920320012	NIELSEN REDGIE & BROOKE	5310 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
434	163-0602920320013	CORDELL CHRISTINE M & SEAN M	5328 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
435	163-0602920320014	SJODIN ERIC K & JILL M	5346 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
436	163-0602920320015	TISCHER SHERI M	5366 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
437	163-0602920320016	CASKEY JESSE W & MEREDITH S	5388 MARQUESS TRL	LAKE ELMO MN 55042	Lake Elmo North
438	163-0602920320017	CELSKI JOHN & SHERRIDAN	5408 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
439	163-0602920320018	SMITH DESRA R	12245 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
440	163-0602920320019	HUGHES TROY J	12229 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
441	163-0602920320020	JOHNSON SCOTT R & ANNMARIE L	12211 MARQUESS LN CV N	LAKE ELMO MN 55042	Lake Elmo North
442	163-0602920320021	SUPINA ANDREW B & MARY M	12203 MARQUESS LN CV N	LAKE ELMO MN 55042	Lake Elmo North
443	163-0602920320022	SCALIA PETER & SHERYL	12195 MARQUESS LN	LAKE ELMO MN 55042	Lake Elmo North
444	163-0602920320023	BUJOLD CLIFFORD J & DANA M	12187 MARQUESS LANE COVE N	LAKE ELMO MN 55042	Lake Elmo North
445	163-0602920320024	BANKS THOMAS J & MICHELLE J	12181 MARQUESS LN CV	LAKE ELMO MN 55042	Lake Elmo North
446	163-0602920320025	SWEDZINSKI JASON L & TAMMY L	12177 MARQUESS LN CV N	LAKE ELMO MN 55042	Lake Elmo North
447	163-0602920320026	HUGHES TROY J & DIANE L	5470 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
448	163-0602920320027	VANDEEST RYAN R	12226 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
449	163-0602920320035	CITSAY MARK S & CONNIE OSBECK	12108 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
450	163-0602920320036	UELAND ANDREA M & ANDREW T	12100 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
451	163-0602920320037	MANZEL WILLIAM M & KATHRYN A	12088 MARQUESS LN	LAKE ELMO MN 55042	Lake Elmo North
452	163-0602920320038	SABIN BRENT C & RHONDA S	12072 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
453	163-0602920320039	HALL TODD W & PAM DUSBABEK	12056 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
454	163-0602920320040	NORKOL DAVID J & ELLEN H	12038 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
455	163-0602920320041	LANZ JOSEPH W & LISA H	12020 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
456	163-0602920320042	SMETANA STEVEN T & COLLEEN P	11992 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
457	163-0602920320043	TATRO FAMILY REVOC LIVING TRUST	5238 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
458	163-0602920320044	BEGIN KEVIN J & MICHELLE A	5222 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
459	163-0602920320045	RODD KRISTY A K	5206 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
460	163-0602920320046	LAVERS ANN & TIMOTHY BRAMER	5188 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
461	163-0602920320047	ANDREWS JODY G	12518 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
462	163-0602920320048	HAUSE CURTIS B & JOAN	12532 MARQUESS WAY N	LAKE ELMO MN 55042	Lake Elmo North
463	163-0602920320049	BARDWELL C JOE & MICHELE E	5337 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
464	163-0602920320050	DEMULLING DALE J & MICHELLE M	5323 MARQUESS TRL	LAKE ELMO MN 55042	Lake Elmo North
465	163-0602920320051	TIWARI ALPANA	5307 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
466	163-0602920320052	NEWBY KENNY M & CODY A CHAMBERLAIN	5291 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
467	163-0602920320053	MOLIN STEVEN H & MARSHA L	5265 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
468	163-0602920320054	WISE PENNY H & GORDON S	5231 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
469	163-0602920320055	THOMPSON DONALD G	5203 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
470	163-0602920320056	SPEAS JENNIFER E	5173 MARQUESS TRL	LAKE ELMO MN 55042	Lake Elmo North
471	163-0602920320057	KING RICHARD H & MICHELLE M	5091 MARQUESS TRL CIR N	LAKE ELMO MN 55042	Lake Elmo North
472	163-0602920320058	BLUMER BRETT G & ERIN M	5087 MARQUESS TRAIL CIR N	LAKE ELMO MN 55042	Lake Elmo North
473	163-0602920320059	LEVENHAGEN BRADLEY A & BRITTA J	5083 MARQUESS TRL CIR N	LAKE ELMO MN 55042	Lake Elmo North
474	163-0602920320060	BURSHTEN LES W & JUDY A	5079 MARQUESS TRAIL CIR	LAKE ELMO MN 55042	Lake Elmo North
475	163-0602920320061	WACHTER JASON & ANN	5073 MARQUESS TRAIL CIR N	LAKE ELMO MN 55042	Lake Elmo North
476	163-0602920320062	CLAUSEN DANE O & KAREN E	5067 MARQUESS TRAIL CIR N	LAKE ELMO MN 55042	Lake Elmo North
477	163-0602920320063	KRIEGER MICHELLE & TIMOTHY J	5061 MARQUESS TRAIL CIR N	LAKE ELMO MN 55042	Lake Elmo North
478	163-0602920320064	SLOAN GARY J & DONNA G ROSE	12208 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
479	163-0602920320065	CADENHEAD CHARLES & TARA	12190 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
480	163-0602920320066	JUAREZ JUAN L & TAMARA J	12172 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
481	163-0602920320067	HAGGARD MICHAEL & KATHLEEN P	12154 MARQUESS AVE N	LAKE ELMO MN 55042	Lake Elmo North
482	163-0602920320068	ZIEMER SARAH & PETER	12136 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
483	163-0602920320069	HERR PETER J & ASHLEY Y	12122 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
484	163-0602920320070	O'SHEA KYLE & MOLLY	12114 MARQUESS LN N	LAKE ELMO MN 55042	Lake Elmo North
485	163-0602920330002	FELLING CHRISTINE M ETAL	2175 E 13TH AVE	NORTH SAINT PAUL MN 55109	Lake Elmo North
486	163-0602920330005	O'NEILL DAVID G & KRISTIN L	5168 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
487	163-0602920330006	ZOLLAR DAVID R & TERI L	5150 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
488	163-0602920330007	KNOWLAN MATTHEW J & AMY C	5128 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
489	163-0602920330008	HART ROLAND E JR & MARILYN J	5096 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
490	163-0602920330009	FERNANDEZ FRANK & STACI L DAHL-FERNANDEZ	5090 MARQUESS TRAIL CT N	LAKE ELMO MN 55042	Lake Elmo North
491	163-0602920330010	SLUSS RICHARD D & JENNIFER M	5086 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
492	163-0602920330011	SHIELDS ROBERT B & MARY M	5082 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
493	163-0602920330012	WOLFE RANDY C & TAMMY J	5076 MARQUESS TRL CT	LAKE ELMO MN 55042	Lake Elmo North
494	163-0602920330013	HARVEY CHRISTOPHER & JENNIFER	5072 MARQUESS TRAIL CT N	LAKE ELMO MN 55042	Lake Elmo North
495	163-0602920330014	SCHOENECKER JOSEPH W	5068 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
496	163-0602920330015	MALONE JOHN S & NICOLE M	5064 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
497	163-0602920330016	HERRICK SCOTT & JEAN	11455 HAMILTON TR	PEQUOT LAKES MN 56472	Lake Elmo North
498	163-0602920330017	HILDEBRANDT TERENCE & CAROLYN	5052 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
499	163-0602920330018	LANDHERR ANDREW G & ELIZABETH	5048 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
500	163-0602920330019	JACOBSEN BRYAN T & COLLEEN K	5042 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
501	163-0602920330020	JARRETT MARK J	5038 MARQUESS TRL CT N	LAKE ELMO MN 55042	Lake Elmo North
502	163-0602920330021	IAN M STEIVANG REV TRS	5097 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
503	163-0602920330022	COLWELL PHILIP L & PATRICIA C	5055 MARQUESS TRAIL CIR N	LAKE ELMO MN 55042	Lake Elmo North
504	163-0602920330023	LALIBERTE JAMES J & CLAUDIA A	5049 MARQUESS TRL CIR N	LAKE ELMO MN 55042	Lake Elmo North
505	163-0602920330024	SKOGERBOE JOHN G & TERI L SKOGERBOE	5043 MARQUESS TRL CIR N	LAKE ELMO MN 55042	Lake Elmo North
506	163-0602920330025	SERVAIS JEFFREY P & DENISE C	5035 MARQUESS TRL N	LAKE ELMO MN 55042	Lake Elmo North
507	163-0602920330026	CARRIAGE STATION HOMWNERS ASSN	PO BOX 185	LAKE ELMO MN 55042	Lake Elmo North
508	163-0602920330027	CARRIAGE STATION HOMWNERS ASSN	PO BOX 185	LAKE ELMO MN 55042	Lake Elmo North
509	163-0602920340002	ROONEY FAMILY TRS	5049 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
510	163-0602920340003	ROONEY FAMILY TRS	5049 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
511	163-0602920340004	PUGH TEMRE K & THOMAS C	12335 53RD ST N	STILLWATER MN 55082	Lake Elmo North
512	163-0602920340005	THABET FADILA M & MOHAMMAD K	12425 53RD ST	STILLWATER MN 55082	Lake Elmo North
513	163-0602920340006	KOZOL THEODORE J JR	12340 53RD ST N	STILLWATER MN 55082	Lake Elmo North
514	163-0602920340007	WEERSMA MARK A & KATHLEEN S	12420 53RD ST N	STILLWATER MN 55082	Lake Elmo North
515	163-0602920340008	XIONG ALY G & LEE-XIONG MAI T	12480 53RD ST N	STILLWATER MN 55082	Lake Elmo North
516	163-0602920340009	ST JOHNS EVANGELICAL LUTHERAN CHURCH	5274 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
517	163-0602920410002	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo North
518	163-0602920410003	JOHNSON CHRISTOPHER T & MARILYN M JOHNSON	12880 53RD ST N	STILLWATER MN 55082	Lake Elmo North
519	163-0602920410004	VIESSMAN TERESA FAE	12930 53RD ST N	STILLWATER MN 55082	Lake Elmo North
520	163-0602920410005	MELCHIOR BARRY R & BARBARA A	12980 53RD ST N	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
521	163-0602920410006	KUNZ GREGORY F & CATHLEEN A	12820 N 53RD ST	STILLWATER MN 55082	Lake Elmo North
522	163-0602920410007	STEWART JANE E	12850 53RD ST N	STILLWATER MN 55082	Lake Elmo North
523	163-0602920420001	MOTTER NICHOLAS R & AMANDA J	5340 MONARDA AVE	STILLWATER MN 55082	Lake Elmo North
524	163-0602920420002	POZZINI GLORIA J	5360 MONARDA AVE N	STILLWATER MN 55082	Lake Elmo North
525	163-0602920420003	BENSON PAUL & PAMELA	5380 MONARDA AVE N	STILLWATER MN 55082	Lake Elmo North
526	163-0602920420004	KNOX TIMOTHY J & MARYBETH H ROSELL	5355 MONARDA AVE	STILLWATER MN 55082	Lake Elmo North
527	163-0602920420005	EDISON THOMAS J & LISA J	5343 MONARDA AVE N	STILLWATER MN 55082	Lake Elmo North
528	163-0602920420006	RHEINBERGER FRANCIS J & KAREN	5325 MONARDA AVE	STILLWATER MN 55082	Lake Elmo North
529	163-0602920430002	PARENTEAU WILLIAM	12515 53RD ST N	STILLWATER MN 55082	Lake Elmo North
530	163-0602920430003	DINH ROP VAN & MINH NGUYEN	12565 53RD ST N	STILLWATER MN 55082	Lake Elmo North
531	163-0602920430004	SCHMIESING MICHAEL E & SANDRA	12595 53RD ST N	STILLWATER MN 55082	Lake Elmo North
532	163-0602920430005	HEIN DOUGLAS L & LINDA S	12520 53RD ST N	STILLWATER MN 55082	Lake Elmo North
533	163-0602920430006	ZAUNER RANDALL H & KIMBERLY A	12580 53RD ST N	STILLWATER MN 55082	Lake Elmo North
534	163-0602920430007	ROBACK NATHAN & MELISSA	12640 53RD ST N	STILLWATER MN 55082	Lake Elmo North
535	163-0602920430008	STENNES TODD A & ANN M	12645 53RD STREET CT N	STILLWATER MN 55082	Lake Elmo North
536	163-0602920430009	MCGANN DIANE M & JAMES N	12685 53RD ST N	STILLWATER MN 55082	Lake Elmo North
537	163-0602920430010	REEVES ELIZABETH MOLUMBY	12717 53RD ST N	STILLWATER MN 55082	Lake Elmo North
538	163-0602920430011	CARLSON REED & KATHLEEN	5320 MONARDA AVE	STILLWATER MN 55082	Lake Elmo North
539	163-0602920440002	NORGAARD MONTE L TRS	12747 53RD ST N	STILLWATER MN 55082	Lake Elmo North
540	163-0602920440003	WILLETT JASON M W & SARA J W WATSON	12811 53RD ST N	STILLWATER MN 55082	Lake Elmo North
541	163-0602920440004	NIKOLAI ERIC A & CARRIE A	5270 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
542	163-0602920440005	MICHAEL L THIETS REV TRS	5230 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
543	163-0602920440006	SEUM CHARLES S & ROBERTA G	5190 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
544	163-0602920440007	JANICE M ST ORES LIVING TRS	5150 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
545	163-0602920440008	THALACKER VICTOR P & CONNIE L	5151 MUIR AVE N	STILLWATER MN 55082-1059	Lake Elmo North
546	163-0602920440009	MEITZ PATRICK G & DIANE L	5177 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
547	163-0602920440010	HASLACH JAMES O	5205 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
548	163-0602920440011	NAPIWOCKI HENRY H & GRAZYNA E	12961 53RD ST	STILLWATER MN 55082	Lake Elmo North
549	163-0602920440012	REEH ERNEST S & MARY A BUNCZAK-REEH	12635 53RD STREET CT N	STILLWATER MN 55082	Lake Elmo North
550	163-0702920110003	ST ORES JANICE M TRS & JOHN W ST ORES TRS	5150 MUIR AVE N	STILLWATER MN 55082	Lake Elmo North
551	163-0702920110004	CLOVERDALE FARM HOMEOWNERS ASN	PO BOX 235	LAKE ELMO MN 55042-0235	Lake Elmo North
552	163-0702920110006	RITT JOHN A & MARY E	4587 MCDONALD DRIVE OVERLOOK N	STILLWATER MN 55082	Lake Elmo North
553	163-0702920110007	SALLY P CHRYSTAL TRS	4581 MCDONALD DRIVE OVERLOOK	STILLWATER MN 55082	Lake Elmo North
554	163-0702920120001	SECK TIMOTHY J & DENISE M K	4611 MCDONALD DRIVE OVERLOOK	STILLWATER MN 55082	Lake Elmo North
555	163-0702920120002	BJORK KEVIN J & EVELYN W	4605 MCDONALD DRIVE OVERLOOK N	STILLWATER MN 55082	Lake Elmo North
556	163-0702920120003	VANORSDALE MICHAEL C & LYNN M	4599 MCDONALD DRIVE OVERLOOK N	STILLWATER MN 55082	Lake Elmo North
557	163-0702920120004	ALFRED O & SUSAN L WILLIAMS REV LIV TRS	5091 HILLTOP AVE N	LAKE ELMO MN 55042	Lake Elmo North
558	163-0702920120005	PETERSON GLEN W	12605 53RD STREET CT N	STILLWATER MN 55082	Lake Elmo North
559	163-0702920120006	BINSTADT BRYCE A & EMILY S	4593 MCDONALD DRIVE OVERLOOK N	STILLWATER MN 55082	Lake Elmo North
560	163-0702920130005	WILLIAMSON DENNIS L & BARBARA R	4660 MCDONALD DR N	STILLWATER MN 55082	Lake Elmo North
561	163-0702920130006	FOSTER JOHN J & NORA A	4663 MCDONALD DR N	STILLWATER MN 55082	Lake Elmo North
562	163-0702920130007	ZIMMER STEVEN A & JULIE M	4653 MCDONALD DR N	STILLWATER MN 55082	Lake Elmo North
563	163-0702920130008	GOTT STEPHEN T & LISA M	4643 MCDONALD DR N	STILLWATER MN 55082	Lake Elmo North
564	163-0702920130009	LARSON RICHARD D	1 LEVEN HILLS TRL	HENDERSON NV 89052	Lake Elmo North
565	163-0702920130011	WURGLER RYAN N & TINA M	4617 MCDONALD DRIVE OVERLOOK	STILLWATER MN 55082	Lake Elmo North
566	163-0702920210001	LOVETT THOMAS G & ANNMARIE E BOSSERT	4815 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North
567	163-0702920210002	OCHS WILLIAM H & MAUREEN P	4809 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North
568	163-0702920210003	MCDONALD LINDA A	PO BOX 307	STILLWATER MN 55082	Lake Elmo North
569	163-0702920210004	MILLER STEVEN C & ARLENE E NUNEZ	4797 MCDONALD DR CIR	STILLWATER MN 55082	Lake Elmo North
570	163-0702920210005	LEVESQUE JOSEPH C & CHRISTINE	4791 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North
571	163-0702920210006	SHEFFER LOREN W & MONIKA Y	4785 MCDONALD DR CIR N	STILLWATER MN 55082	Lake Elmo North
572	163-0702920210007	MOLINARI TRS	4779 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
573	163-0702920210008	STILES FAMILY TRS-2014	4773 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North
574	163-0702920210009	ASMUS BRIAN	4767 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North
575	163-0702920210010	HAJLO MICHAEL J & GWEN M	4761 MCDONALD DRIVE CIR N	STILLWATER MN 55082-2149	Lake Elmo North
576	163-0702920210011	ROONEY MARVIN L & MARTHA L	5049 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
577	163-0702920220002	MYERS WILLIAM R & CATHERINE O	5030 ANDROS DR	NAPLES FL 34113	Lake Elmo North
578	163-0702920220004	ROBERT ENGSTROM CO ETAL	4801 81ST ST W # 101	MINNEAPOLIS MN 55437	Lake Elmo North
579	163-0702920230001	CREE ROGER W & JOANNE C	4500 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
580	163-0702920230004	CREE ROGER W & JOANNE C	4500 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
581	163-0702920230005	HEROFF JOHN T & CORRINE E	4706 MCDONALD DRIVE PL N	STILLWATER MN 55082	Lake Elmo North
582	163-0702920230006	GERALD A CORNISH REV LIV TRS 11/17/2005	4712 MCDONALD DRIVE PLACE	STILLWATER MN 55082	Lake Elmo North
583	163-0702920230007	SWEET NANCY R	4718 MCDONALD DR PLACE	STILLWATER MN 55082	Lake Elmo North
584	163-0702920230008	ZARRACINA ROBERT A & PATRICIA A KOPPA	4827 MCDONALD DRIVE CIR	STILLWATER MN 55082	Lake Elmo North
585	163-0702920230010	ROBERT ENGSTROM CO ETAL	4801 81ST ST W # 101	MINNEAPOLIS MN 55437	Lake Elmo North
586	163-0702920230011	TRAYNOR KYLE & MORGAN	4622 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
587	163-0702920230012	BAHR ALLISON T	4596 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
588	163-0702920230013	EICHTEN SHARON JEAN MILLER	4610 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
589	163-0702920240002	CLOVERDALE FARM HOMEOWNERS ASN	PO BOX 235	LAKE ELMO MN 55042-0235	Lake Elmo North
590	163-0702920240003	SARAH S QUICKEL TRS	4670 MCDONALD DR PLACE	STILLWATER MN 55082	Lake Elmo North
591	163-0702920240004	BENISH RICHARD L & SUSAN J	4676 MCDONALD DRIVE PL	STILLWATER MN 55082	Lake Elmo North
592	163-0702920240005	COLEMAN ERIK E & REBEKAH	4682 MCDONALD PLACE DR	STILLWATER MN 55082	Lake Elmo North
593	163-0702920240006	JOHNSON DAVID R & JOANNE L	4688 MCDONALD DR PL	STILLWATER MN 55082	Lake Elmo North
594	163-0702920240007	OGREN STEPHEN D & ANN M	4694 MCDONALD DRIVE PL	STILLWATER MN 55082	Lake Elmo North
595	163-0702920240008	CRAWFORD ERIK M & TAMARA L	4700 MCDONALD DRIVE PL	STILLWATER MN 55082	Lake Elmo North
596	163-0702920240009	VICTORIA J CAVALIER TRS	4724 MCDONALD DR PLACE N	STILLWATER MN 55082	Lake Elmo North
597	163-0702920240010	LAUENSTEIN MICHAEL & KRISTIN	4730 MCDONALD DRIVE PLACE	STILLWATER MN 55082	Lake Elmo North
598	163-0702920240011	COLBERG DALE E B & BRANDI	4736 MCDONALD DRIVE PLACE	STILLWATER MN 55082	Lake Elmo North
599	163-0702920240012	WHITE WALTER R & KAREN M	4833 MCDONALD DRIVE CIR N	STILLWATER MN 55082	Lake Elmo North
600	163-0702920240013	TRUST AGREEMENT OF KAREN E WELKE 03/25/2004	4755 MCDONALD DR N	STILLWATER MN 55082	Lake Elmo North
601	163-0702920240014	VRAA KRISTI A & ERIC A	4745 MCDONALD DR N	STILLWATER MN 55082	Lake Elmo North
602	163-1102921110003	ANTHONY P MANZARA REV TRS	5050 KIRKWOOD AVE	LAKE ELMO MN 55042	Lake Elmo North
603	163-1102921110005	BREADY MARY B & KATHRYN M FLICEK	4890 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
604	163-1102921110006	FLICEK KATHRYN MARY & MARY BETH BREADY	4890 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
605	163-1102921110007	WALSH COLLEEN & JEFFREY	10830 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
606	163-1102921120003	MILLER PAUL & DEBRA	4755 KIMBRO AVE N	LAKE ELMO MN 55042	Lake Elmo North
607	163-1102921120004	BOYLAN TERESA A TRS & WILLIAM J BOYLAN TRS	1863 JULIET AVE	SAINT PAUL MN 55105-1710	Lake Elmo North
608	163-1102921140005	REINHARDT MICHAEL C & AMY L	4690 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
609	163-1102921210001	SULLWOLD GILBERT E & VIOLA TRS	10190 47TH ST N	LAKE ELMO MN 55042	Lake Elmo North
610	163-1102921210002	WEGSCHEIDER LUCY V & SCOTT	PO BOX 197	LAKE ELMO MN 55042-0197	Lake Elmo North
611	163-1102921210003	WEGSCHEIDER LUCY V & SCOTT	PO BOX 197	LAKE ELMO MN 55042-0197	Lake Elmo North
612	163-1102921220002	SULLWOLD GILBERT E & VIOLA TRS	10190 47TH ST N	LAKE ELMO MN 55042	Lake Elmo North
613	163-1102921220003	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo North
614	163-1102921340003	HAMLET ON SUNFISH LAKE HOA INC	4174 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
615	163-1102921340005	HAMLET ON SUNFISH LAKE HOA INC	4174 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
616	163-1102921340006	HAMLET ON SUNFISH LAKE HOA INC	4174 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
617	163-1102921340016	LAIER THOMAS D & VALERIE J	3899 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
618	163-1102921340028	LINDHOLM DOUGLAS A	3936 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
619	163-1202921110004	FIELDS OF ST CROIX COMMUNITY ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
620	163-1202921110005	THE FIELDS OF ST CROIX CO ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
621	163-1202921110007	O'CONNELL GERALD M & JANET M	4990 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
622	163-1202921110008	MELANDER PETER K & JUDITH C	4982 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
623	163-1202921110009	KING ROBERT E	4966 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
624	163-1202921110010	NATH ANDREW D & KATIE J	4944 LINDEN TRL N	LAKE ELMO MN 55042-8530	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
625	163-1202921110011	BRENNAN PHILIP J & EILEEN B	4926 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
626	163-1202921110012	MITCHELL J & KAREN E JORGENSEN LIVING TRS	4910 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
627	163-1202921110013	YOCUM ANTHONY A & SARA J	4886 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
628	163-1202921110014	TRS AGR KEVIN L & MAUREEN A THOLEN	4854 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
629	163-1202921110015	NELSON JULIE L & MICHAEL S	4768 LARKSPUR LN N	LAKE ELMO MN 55042	Lake Elmo North
630	163-1202921110016	NELSON MARK & GRETCHEN	4881 LILAC PL N	LAKE ELMO MN 55042	Lake Elmo North
631	163-1202921110017	HAZELROTH TIMOTHY & ROBERTA	4873 LILAC PL N	LAKE ELMO MN 55042	Lake Elmo North
632	163-1202921110018	WOHLERS NICHOLAS J & MICHELLE	4861 LILAC PLACE N	LAKE ELMO MN 55042	Lake Elmo North
633	163-1202921110019	HARRISON BARRY & MARY A	4853 LILAC PL	LAKE ELMO MN 55042	Lake Elmo North
634	163-1202921110020	GUNDERSON DAVID C & LAUREL K	4835 LILAC PLACE N	LAKE ELMO MN 55042	Lake Elmo North
635	163-1202921110021	APPERT ROBERT J & JOELLE M	4827 LILAC PLACE N	LAKE ELMO MN 55042	Lake Elmo North
636	163-1202921110022	DRESSER SAMUEL & TAMARA TINKHAM	4815 LILAC PL N	LAKE ELMO MN 55042	Lake Elmo North
637	163-1202921110023	MANNIE KATHERINE M	4805 LILAC PLACE N	LAKE ELMO MN 55042	Lake Elmo North
638	163-1202921110024	ERICKSON RANDALL D & MICHELLE R	4995 LILAC WAY N	LAKE ELMO MN 55042	Lake Elmo North
639	163-1202921110025	JONES DANIEL S & LAURI A STEIN-JONES	4987 LILAC WAY N	LAKE ELMO MN 55042	Lake Elmo North
640	163-1202921110026	BURG CHRIS P & AMY L	4979 LILAC WAY	LAKE ELMO MN 55042	Lake Elmo North
641	163-1202921110027	SIKKINK JEFFREY L & PRINCE D L	4971 LILAC WAY N	LAKE ELMO MN 55042	Lake Elmo North
642	163-1202921110028	ECKMAN ERIK S & ANDREA	4963 LILAC WAY N	LAKE ELMO MN 55042	Lake Elmo North
643	163-1202921110029	SNOW TODD F & PEGGY A	4955 LILAC WAY N	LAKE ELMO MN 55042	Lake Elmo North
644	163-1202921110030	CHRISTENSEN KENT E & MARY M	4943 LILAC WAY N	LAKE ELMO MN 55042	Lake Elmo North
645	163-1202921110031	PARR RICHARD J & ELIZABETH L HARROD	4931 LILAC WAY	LAKE ELMO MN 55042	Lake Elmo North
646	163-1202921110032	FOSSUM RACHEL W & ROBERT	4996 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
647	163-1202921110033	KLATT DONALD J & BONITA L	11825 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
648	163-1202921120002	FIELDS OF ST CROIX COMMUNITY ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
649	163-1202921120003	THE FIELDS OF ST CROIX CO ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
650	163-1202921120004	TANA RIDGE HOA	4967 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
651	163-1202921120005	TANA RIDGE HOA	4967 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
652	163-1202921120006	TANA RIDGE HOA	4967 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
653	163-1202921120007	ROCK MARGARITA R	4967 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
654	163-1202921120008	DEERING JOHN J & MICHELLE L GREENFIELD-DEERING	4937 LILY AVE	LAKE ELMO MN 55042	Lake Elmo North
655	163-1202921120009	MATCHEY KIRK P & NANCY L	4905 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
656	163-1202921120010	GAERTNER MARK R & KARIN S	4875 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
657	163-1202921120011	KLEPAC BRADLEY D & JODI J	4847 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
658	163-1202921120012	NIELSEN PAUL A & RHONDA L	4819 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
659	163-1202921120013	WALL DEBORAH A & THOMAS S	4791 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
660	163-1202921120014	NELSON CHARLES R & SHARI J	4759 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
661	163-1202921120015	NEWTON RANDAL E & JANELL A	4731 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
662	163-1202921120016	MEISSNER DENNIS E & DEBRA T	4830 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
663	163-1202921120017	ONSOMU ALEX O & CARLA J	4758 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
664	163-1202921120018	PELLETIER JOSEPH G & JENNIFER	4884 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
665	163-1202921120019	FEDOROWSKI DANIEL T	4964 LILY AVE	LAKE ELMO MN 55042	Lake Elmo North
666	163-1202921120020	HEIMERMAN STEVEN JOSEPH & ANN	4938 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
667	163-1202921130003	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo North
668	163-1202921130004	TANA RIDGE HOA	4967 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
669	163-1202921130005	FIELDS OF ST CROIX COMMUNITY ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
670	163-1202921130006	BERGER DELANEY & KRISTIN	4703 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
671	163-1202921130007	IBARRA RONALD J & RITA J GARCIA	4677 LILY AVE	LAKE ELMO MN 55042	Lake Elmo North
672	163-1202921130008	PRICE STUART & MEGAN	4651 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
673	163-1202921130009	DILLON DOUGLAS R & JULIE A	4629 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
674	163-1202921130010	SNYDER ROBERT D & JENNIFER K	4605 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
675	163-1202921130011	FLIFLET TODD D & JULIE A	4577 LILY AVE N	LAKE ELMO MN 55042	Lake Elmo North
676	163-1202921130012	THE FIELDS OF ST CROIX CO ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
677	163-1202921130013	THE FIELDS OF ST CROIX COMMUNITY ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
678	163-1202921140001	CREE ROGER W & JOANNE C	4500 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
679	163-1202921140003	CREE ROGER W & JOANNE C	4500 STILLWATER BLVD N	STILLWATER MN 55082	Lake Elmo North
680	163-1202921140004	THE FIELDS OF ST CROIX CO ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
681	163-1202921140005	THE FIELDS OF ST CROIX CO ASSN	PO BOX 56	LAKE ELMO MN 55042	Lake Elmo North
682	163-1202921140006	WILLIAM J MOHR III & DAWN C MOHR REV TRS	4748 LARKSPUR LN N	LAKE ELMO MN 55042	Lake Elmo North
683	163-1202921140007	LAQUA MARK L & BETH E	4732 LARKSPUR LN W	LAKE ELMO MN 55042	Lake Elmo North
684	163-1202921140008	AUVINEN ANDREW & KATRINA	4720 LARKSPUR LN N	LAKE ELMO MN 55042	Lake Elmo North
685	163-1202921140009	ROBERT ENGSTROM COMPANIES	4801 81ST ST W # 101	BLOOMINGTON MN 55437	Lake Elmo North
686	163-1202921140010	MOLINE KJERSTI L	4698 LARKSPUR LN	LAKE ELMO MN 55042	Lake Elmo North
687	163-1202921140011	MEISTER WILLIAM W & KAREN K	4690 LARKSPUR LN	LAKE ELMO MN 55042	Lake Elmo North
688	163-1202921140012	SCHIFSKY PETER E	4676 LARKSPUR LN N	LAKE ELMO MN 55042	Lake Elmo North
689	163-1202921140013	DUTKO KATHLEEN A & DEAN	4634 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
690	163-1202921140014	NIEBUHR SHERYL L & FORD JO ANN	4644 LINDEN TRL N # 651	LAKE ELMO MN 55042-8542	Lake Elmo North
691	163-1202921140015	DUSTIN WILLIAM K & SUSAN A	4654 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
692	163-1202921140016	DUSTIN WILLIAM K & SUSAN A	4668 LINDEN TRL N	LAKE ELMO MN 55042	Lake Elmo North
693	163-1202921140018	HOLMBERG JOSEPH W & SHELLY E	4602 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
694	163-1202921140019	KELLAR ALLAN D & LINDA B	4594 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
695	163-1202921140020	NELSON WALLACE D & KAREN L	4582 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
696	163-1202921140021	JOHNSON LOWELL A & ANDREA E	4574 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
697	163-1202921140022	JOHNSON KIP L & JULIET	4566 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
698	163-1202921140023	SEESTROM KURT W	4558 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
699	163-1202921140024	ANDERSON RICHARD C	4550 LILAC LN N	LAKE ELMO MN 55042	Lake Elmo North
700	163-1202921210001	ZINTL WILLIAM H & ANN M	11255 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
701	163-1202921210003	O'BRIEN MARY M L	11311 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
702	163-1202921210004	THOMPSON BRETT & JANET M	11491 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
703	163-1202921220002	ROBERTS SAXE G & B CHRISTINA	11165 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
704	163-1202921220003	DAY RICHARD P & PAMELA A	201 CRESTWOOD TER	STILLWATER MN 55082	Lake Elmo North
705	163-1202921220004	DAY RICHARD P & PAMELA A	201 CRESTWOOD TER	STILLWATER MN 55082	Lake Elmo North
706	163-1202921220005	DAY JACQUELYN L & KEVIN K	4779 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo North
707	163-1202921230002	SCHWARZ DAVID B & MARY P	4715 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo North
708	163-1202921240002	GILBERTSON REID A & LAUREL E DREVLOW	11421 50TH ST N	LAKE ELMO MN 55042	Lake Elmo North
709	163-1202921410001	CONVERSE HAROLD G & JOAN M	4370 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo North
710	163-1202921410014	DEXTER CAROL A & BOGUT KEITH W	11828 44TH ST LN N	LAKE ELMO MN 55042	Lake Elmo North
711	163-1202921410015	KAUFMAN ROBERT J & STEPHANIE L	11816 44TH ST LN N	LAKE ELMO MN 55042	Lake Elmo North
712	163-1202921410016	PHILLIP & PATRICIA A HAUG TRS	11794 44TH ST LN N	LAKE ELMO MN 55042	Lake Elmo North
713	163-1202921420007	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo North
714	163-1302921220001	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo South
715	163-1302921220004	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo South
716	163-1302921220016	THARROS LLC	4350 MCDONALD DRIVE CT N	STILLWATER MN 55082	Lake Elmo South
717	163-1302921220017	NORTHERN LIGHTS INFO SYS LLC	11200 STILLWATER BLVD # 101	LAKE ELMO MN 55042	Lake Elmo South
718	163-1302921220018	ERBAN DOROTHY DAVIDSON	3748 OAKGREEN AVE N	STILLWATER MN 55082	Lake Elmo South
719	163-1302921220019	ERBAN DOROTHY DAVIDSON	3748 OAKGREEN AVE N	STILLWATER MN 55082	Lake Elmo South
720	163-1302921220020	FLACKEY DEAN E	532 OLD HWY 35	HUDSON WI 54016	Lake Elmo South
721	163-1302921220021	STROP BRIAN A & DENISE M	2930 30TH STREET CIR N	LAKE ELMO MN 55042	Lake Elmo South
722	163-1302921220022	HOBBY FARMS INC	11550 STILLWATER BLVD N # 123	LAKE ELMO MN 55042	Lake Elmo South
723	163-1302921220023	SCMC PROPERTIES LLC	11200 STILLWATER BLVD # 107	LAKE ELMO MN 55042	Lake Elmo South
724	163-1302921230001	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo South
725	163-1302921230002	ISD 834 STILLWATER	1875 GREELEY ST S	STILLWATER MN 55082	Lake Elmo South
726	163-1302921230003	SCHOOL DISTRICT 106	1875 S GREELEY ST	STILLWATER MN 55082	Lake Elmo South
727	163-1302921230004	LEONARD INVESTMENTS LLC	1000 CONCORD ST S	SOUTH ST PAUL MN 55075	Lake Elmo South
728	163-1302921230007	KOSMAN RICHARD J & CYNTHIA A	20286 ST CROIX TRL N	SCANDIA MN 55073	Lake Elmo South

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
729	163-1302921230008	GUERIN KRYSTLE M	1171 MANNING AVE S	AFTON MN 55001	Lake Elmo South
730	163-1302921230009	BEUTEL DOUGLAS J	3693 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
731	163-1302921230010	GUERIN KRYSTLE M	1171 MANNING AVE S	AFTON MN 55001	Lake Elmo South
732	163-1302921230011	BEUTEL DOUGLAS J	3693 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
733	163-1302921230012	SELDEN TERI G	3673 LAVERNE AVE N PO BOX 134	LAKE ELMO MN 55042	Lake Elmo South
734	163-1302921230013	WIER RICHARD R & ANNE M	3645 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
735	163-1302921230014	BUTLER BRYAN C & MOLLY K BRENDMOEN	3631 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
736	163-1302921230017	WACKER WILLIAM G & SALLYANN	PO BOX 167	LAKE ELMO MN 55042-0167	Lake Elmo South
737	163-1302921230018	PELTIER GENE M & ANN E	PO BOX 455	LAKE ELMO MN 55042	Lake Elmo South
738	163-1302921230019	BJORKMAN BARBARA E	3650 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
739	163-1302921230020	CHRIST LUTHERAN CHURCH	11194 36TH ST N	LAKE ELMO MN 55042	Lake Elmo South
740	163-1302921230025	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
741	163-1302921230026	JUDITH I MOHAR TRS	299 COUNTY RD C2 W	ROSEVILLE MN 55113	Lake Elmo South
742	163-1302921230027	JUDITH I MOHAR TRS	299 COUNTY RD C2 W	ROSEVILLE MN 55113	Lake Elmo South
743	163-1302921230028	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
744	163-1302921230029	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
745	163-1302921230030	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
746	163-1302921230031	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
747	163-1302921230032	EISELE JON	11094 35TH ST N	LAKE ELMO MN 55042	Lake Elmo South
748	163-1302921230033	WILLIAM C HJELMGREN TRS	3153 LAYTON CT N	LAKE ELMO MN 55042	Lake Elmo South
749	163-1302921230034	SCHILTZ GREGORY & COLLEEN	11098 34TH ST N PO BOX 75	LAKE ELMO MN 55042	Lake Elmo South
750	163-1302921230035	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
751	163-1302921230036	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
752	163-1302921230037	WILLIAM C HJELMGREN TRS	3153 LAYTON CT N	LAKE ELMO MN 55042	Lake Elmo South
753	163-1302921230038	KNOWLAN INVESTMENTS LLC	3546 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo South
754	163-1302921230041	STROM SCOTT R & TERRI A S	3582 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
755	163-1302921230042	GROBNER JOSHUA A	11079 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
756	163-1302921230043	ZIEMER MICHAEL R & KAREN A	11091 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
757	163-1302921230044	LOHMANN JAMES E	3610 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
758	163-1302921230046	PELTIER GENE M & ANN E	PO BOX 455	LAKE ELMO MN 55042	Lake Elmo South
759	163-1302921230047	WEEKS BARRY E & ELLIS KATHLE	3647 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
760	163-1302921230048	SCHUMACHER KURT R & APRIL C	3625 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
761	163-1302921230050	ALBRECHT ANDREA	3603 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
762	163-1302921230054	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
763	163-1302921230055	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
764	163-1302921230056	LAKE ELMO REAL ESTATE GROUP LLC	2001 OAK GLEN LN	STILLWATER MN 55082	Lake Elmo South
765	163-1302921230057	KROMSCHROEDER JERRY R	360 RIVER RD	HUDSON WI 54016	Lake Elmo South
766	163-1302921230058	DALE AND LINDA QUAST TRS	14664 57TH ST N	STILLWATER MN 55082	Lake Elmo South
767	163-1302921230059	RE HAGSTROM PROP LLC	15 DELLWOOD AVE	WHITE BEAR LAKE MN 55110	Lake Elmo South
768	163-1302921230060	GERMAN EVANG LUTHERAN CHURCH	11194 36TH ST N	LAKE ELMO MN 55042	Lake Elmo South
769	163-1302921230061	CHRIST LUTHERAN CHURCH	11194 36TH ST N	LAKE ELMO MN 55042	Lake Elmo South
770	163-1302921230062	PELTIER GENE M	PO BOX 455	LAKE ELMO MN 55042	Lake Elmo South
771	163-1302921230063	PELTIER GENE M	PO BOX 455	LAKE ELMO MN 55042	Lake Elmo South
772	163-1302921230064	TRACY R LACROIX TRS	7485 GRANADA BAY S	COTTAGE GROVE MN 55016	Lake Elmo South
773	163-1302921230065	TRACY R LACROIX TRS	7485 GRANADA BAY S	COTTAGE GROVE MN 55016	Lake Elmo South
774	163-1302921230067	BAILLIE JOHN W II & MARGARET J GUILFOYLE	11051 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
775	163-1302921230068	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
776	163-1302921230069	WICKER WILLIAM H & CECELIA G	11079 35TH ST N	LAKE ELMO MN 55042-0261	Lake Elmo South
777	163-1302921230070	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
778	163-1302921230071	EDWARD THOMAS GORMAN FAMILY LIVING TRS	12660 12TH ST N	LAKE ELMO MN 55042	Lake Elmo South
779	163-1302921230072	SQUADRITO FRANK & BARBARA N	PO BOX 74	LAKE ELMO MN 55042-0074	Lake Elmo South
780	163-1302921230073	BEUTEL BRUCE W	3590 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
781	163-1302921230075	FAINT DAVID S & KAREN L KOHL	3617 LAVERNE AVE	LAKE ELMO MN 55042	Lake Elmo South
782	163-1302921230076	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo South
783	163-1302921230077	LEO PROP LP	11127 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
784	163-1302921230078	STOUDT OFFICE BUILDING LLC	14612 60TH ST	OAK PARK HEIGHTS MN 55082	Lake Elmo South
785	163-1302921230079	CHRIST LUTH CHURCH LAKE ELMO	PO BOX 310	LAKE ELMO MN 55042-0310	Lake Elmo South
786	163-1302921310004	WALDEMAR JAMES D & BARBARA W	3407 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
787	163-1302921310013	PROKOSCH SUSAN L	11240 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
788	163-1302921310016	LAKE ELMO CREAMERY BLDG LLC	7250 HUDSON BLVD N SUITE 160	OAKDALE MN 55128	Lake Elmo South
789	163-1302921320001	JOSHUA TAYLOR ENTRPRS LLC	PO BOX 897	LAKE ELMO MN 55042	Lake Elmo South
790	163-1302921320002	GRACZYK MICHAEL EDWARD & VICKI	PO BOX 44	LAKE ELMO MN 55042-0044	Lake Elmo South
791	163-1302921320003	BEHYMER LANCE	2753 BLUE RIDGE DR	WOODBURY MN 55125	Lake Elmo South
792	163-1302921320004	FOX SCOTT JAMES & MARGIE	PO BOX 121	LAKE ELMO MN 55042	Lake Elmo South
793	163-1302921320005	JOSHUA TAYLOR ENTRPRS LLC	PO BOX 897	LAKE ELMO MN 55042	Lake Elmo South
794	163-1302921320007	NOVAK PAUL R	3409 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
795	163-1302921320008	QWEST	PO BOX 7909	OVERLAND PARK KS 66207-0909	Lake Elmo South
796	163-1302921320009	JOHNSON ELIZABETH M	PO BOX 403	LAKE ELMO MN 55042	Lake Elmo South
797	163-1302921320010	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
798	163-1302921320012	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
799	163-1302921320015	JOHN F SCHILTZ TRS	721 10TH AVE N	SOUTH SAINT PAUL MN 55075	Lake Elmo South
800	163-1302921320017	GUSTAFSON STEPHEN R	11051 34TH ST N	LAKE ELMO MN 55042	Lake Elmo South
801	163-1302921320018	EVERSON ELIZABETH A	11075 34TH ST N	LAKE ELMO MN 55042	Lake Elmo South
802	163-1302921320019	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
803	163-1302921320020	JOHNSON STEPHEN D	2915 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
804	163-1302921320021	HERREID DAVID & WALMER DAPHNE	PO BOX 187	LAKE ELMO MN 55042	Lake Elmo South
805	163-1302921320022	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
806	163-1302921320023	SCHILTZ GREGORY & COLLEEN	11098 34TH ST N PO BOX 75	LAKE ELMO MN 55042	Lake Elmo South
807	163-1302921320024	EDER JOEL R & JUDITH H	PO BOX 127	LAKE ELMO MN 55042	Lake Elmo South
808	163-1302921320025	RE HAGSTROM PROP LLC	15 DELLWOOD AVE	WHITE BEAR LAKE MN 55110	Lake Elmo South
809	163-1302921320026	RDWAGS LLC	14 KINNUNEN RD	ESKO MN 55733	Lake Elmo South
810	163-1302921320027	JRSC LLC	PO BOX 818	STILLWATER MN 55082	Lake Elmo South
811	163-1302921320028	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
812	163-1302921320029	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo South
813	163-1302921320030	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
814	163-1302921320031	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
815	163-1302921320032	PLATINUM ENTERPRISES LLC	8319 LAKE JANE TR N	LAKE ELMO MN 55042	Lake Elmo South
816	163-1302921320033	LANG SUSAN C	3405 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
817	163-1302921320034	HARTMEISTER KATHLEEN T	3385 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
818	163-1302921320035	ANDERSON RUSSELL W & PATRICIA J	3409 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
819	163-1302921320036	NEUMANN MARTIN J & SILBY K	697 5TH AVE N	BAYPORT MN 55003	Lake Elmo South
820	163-1302921320037	DEGREE THOMAS M	3337 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
821	163-1302921320038	DAHLBLOM DUSTIN D	3303 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
822	163-1302921320039	HELMS CATHERINE	3287 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
823	163-1302921320040	STUDE ROBERT H & CAROL W	3263 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo South
824	163-1302921320041	AGINCOURT LLC	8602 NEAL AVE N	STILLWATER MN 55082	Lake Elmo South
825	163-1302921320042	LENZMEIER JOHN & REHAK VICKY	PO BOX 18	LAKE ELMO MN 55042	Lake Elmo South
826	163-1302921320043	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
827	163-1302921320044	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
828	163-1302921320045	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
829	163-1302921320046	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
830	163-1302921320047	LAKE ELMO INN INC	PO BOX 182	LAKE ELMO MN 55042	Lake Elmo South
831	163-1302921320048	MARTIN DANIEL D	10941 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
832	163-1302921320049	MARTIN DANIEL D	10941 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
833	163-1302921320050	NOVAK PAUL R	3413 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
834	163-1302921320051	NOVAK PAUL R	3409 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
835	163-1302921320052	NOVAK PAUL R	3413 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
836	163-1302921320054	MARTIN JILL M TRS	11002 UPPER 33RD ST N	LAKE ELMO MN 55042	Lake Elmo South
837	163-1302921320055	SCHNEIDER JOHN L & SUSAN I ROTHER	3326 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
838	163-1302921320056	SWAN MICHAEL D & CHLOE J	3348 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo South
839	163-1302921320057	KUBITSCHEK RICHARD	PO BOX 832	LAKE ELMO MN 55042	Lake Elmo South
840	163-1302921320059	ENGDAHL ANNE T & STEVEN J	PO BOX 876	LAKE ELMO MN 55042-0876	Lake Elmo South
841	163-1302921320062	ARDELL GEORGE HUTTON & DEBORAH JEAN SMITH-HUTTON L	11108 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
842	163-1302921320063	TUREK ELIZABETH A	11060 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
843	163-1302921320064	PEACOCK BRUCE T & MARA K CROMBIE	11090 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
844	163-1302921320065	BERG JEFFREY J & DEBORAH L	3271 LAMPERT AVE N	LAKE ELMO MN 55042	Lake Elmo South
845	163-1302921320066	KOHTZ CHRISTOPHER A & ALLISON	3327 LAMPERT AVE N	LAKE ELMO MN 55042	Lake Elmo South
846	163-1302921320067	HARDT NICHOLAS & ALANA	3309 LAMPERT AVE	LAKE ELMO MN 55042	Lake Elmo South
847	163-1302921320068	SMITH JUSTIN A	3291 LAMPERT AVE	LAKE ELMO MN 55042	Lake Elmo South
848	163-1302921320069	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
849	163-1302921320070	JECHORT MARK H & JANE E	11035 33RD ST N	LAKE ELMO MN 55042	Lake Elmo South
850	163-1302921320071	LENGYEL DAVID J	3330 LAMPERT AVE N	LAKE ELMO MN 55042	Lake Elmo South
851	163-1302921320072	ARNDT HARRIETT I & HOAGIE R	3316 LAMPERT AVE N	LAKE ELMO MN 55042	Lake Elmo South
852	163-1302921320073	WAGNER LINDA K	3286 LAMPERT AVE N	LAKE ELMO MN 55042	Lake Elmo South
853	163-1302921320074	VIGDAHL ROGER L & PATRICIA L	3268 LAMPERT AVE N	LAKE ELMO MN 55042	Lake Elmo South
854	163-1302921320075	VANDEN BRANDEN KURT & CATHERINE M VANDEN BRANDEN	11008 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
855	163-1302921320076	DAHLBLOM STEVEN D	2971 JONQUIL TRL N	LAKE ELMO MN 55042	Lake Elmo South
856	163-1302921320077	KOTASEK RANDY T & DENISE V	3338 LANGLY CT N	LAKE ELMO MN 55042	Lake Elmo South
857	163-1302921320078	KOTASEK RANDY T & DENISE V	3338 LANGLY CT N	LAKE ELMO MN 55042	Lake Elmo South
858	163-1302921320079	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
859	163-1302921320080	DAHLBLOM STEVEN D	2971 JONQUIL TRL N	LAKE ELMO MN 55042	Lake Elmo South
860	163-1302921320081	DAHLBLOM STEVEN D	2971 JONQUIL TRL N	LAKE ELMO MN 55042	Lake Elmo South
861	163-1302921320082	DAHLBLOM STEVEN D	2971 JONQUIL TRL N	LAKE ELMO MN 55042	Lake Elmo South
862	163-1302921320083	LAKE ELMO CREAMERY BLDG LLC	7250 HUDSON BLVD N SUITE 160	OAKDALE MN 55128	Lake Elmo South
863	163-1302921320084	ENGSTROM BRUCE R	3258 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo South
864	163-1302921320085	GRAIN ON MAIN LLC	3464 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
865	163-1302921320086	JOHNSON ELIZABETH M	PO BOX 403	LAKE ELMO MN 55042	Lake Elmo South
866	163-1302921320089	HOSEK MARIAN S	PO BOX 166	LAKE ELMO MN 55042-0166	Lake Elmo South
867	163-1302921320090	DUNN ROBERT B TRS & SUSAN C HOPPER DUNN TRS	PO BOX 153	LAKE ELMO MN 55042	Lake Elmo South
868	163-1302921320091	HENSON GORDON D & JAYNE E	PO BOX 248	LAKE ELMO MN 55042	Lake Elmo South
869	163-1302921320092	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo South
870	163-1302921320093	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo South
871	163-1302921320094	JOHNSON STEPHEN D	2915 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
872	163-1302921320095	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo South
873	163-1302921320096	GRAIN ON MAIN LLC	3464 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
874	163-1302921330001	JOHNSON GEORGE E & SUSAN W	3070 LAKE ELMO AVE	LAKE ELMO MN 55042	Lake Elmo South
875	163-1302921330002	WILLIAM C HAGBERG TRS & PATRICIA H HAGBERG TRS	3060 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
876	163-1302921330003	LEONARD JAMES & AMANDA SUE FLOERKE	3012 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
877	163-1302921330004	ZDECHLIK MARK T	3078 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
878	163-1302921330005	PROKOSCH SUSAN L	11240 32ND ST N	LAKE ELMO MN 55042-5659	Lake Elmo South
879	163-1302921330006	SACHS RICHARD J JR	3203 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
880	163-1302921330007	HAWTHORNE TRENTON J & AMANDA L	3217 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
881	163-1302921330008	BEERS MARY ANNE	PO BOX 64	LAKE ELMO MN 55042	Lake Elmo South
882	163-1302921330009	DUPIUS LUC M & ROCHELLE M MCCUNE	PO BOX 34	LAKE ELMO MN 55042-0034	Lake Elmo South
883	163-1302921330011	DUPUIS LUC M & ROCHELLE M MCCUNE	PO BOX 34	LAKE ELMO MN 55042	Lake Elmo South
884	163-1302921330012	MCCUNE WESLEY S	3095 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
885	163-1302921330014	SCHMIDT BRUCE C	3063 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
886	163-1302921330016	WILLIAMS TODD R & MARJORIE F	3025 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
887	163-1302921330017	WILLIAMS TODD R & MARJORIE F	3025 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
888	163-1302921330018	DORSCHNER DALE F & LISA M	3150 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
889	163-1302921330019	BANISTER FREDERICK J & CAROL	PO BOX 215	LAKE ELMO MN 55042	Lake Elmo South
890	163-1302921330020	KOHN THEODORE M & ELLEN E	13415 NARCISSUS ST	ANDOVER MN 55304	Lake Elmo South
891	163-1302921330022	KNOWLAN AMY C & MATTHEW J	11075 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
892	163-1302921330023	MILLER ANTHONY J & SATRE M B	11055 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
893	163-1302921330024	NEUMANN PAUL & NANCY	6908 27TH ST N	OAKDALE MN 55128	Lake Elmo South
894	163-1302921330025	NEUMANN PAUL & NANCY	6908 27TH ST N	OAKDALE MN 55128	Lake Elmo South
895	163-1302921330026	MEHSIKOMER JOYCE H	PO BOX 47	LAKE ELMO MN 55042	Lake Elmo South
896	163-1302921330027	SCHMOECKEL ROY L & BETTY M LE	10997 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
897	163-1302921330028	SCHMIDT WARREN ROBERT	3240 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
898	163-1302921330032	ROGER A SCHRADE TRS	11200 31ST ST N	LAKE ELMO MN 55042	Lake Elmo South
899	163-1302921330033	SACHS RICHARD J & DEBORAH J	11212 31ST ST N	LAKE ELMO MN 55042	Lake Elmo South
900	163-1302921330034	TERRELL SARA A	11230 31ST ST N	LAKE ELMO MN 55042	Lake Elmo South
901	163-1302921330035	BLOOMQUIST ERIN C & LEE C	11225 31 ST N	LAKE ELMO MN 55042	Lake Elmo South
902	163-1302921330036	GEVING NANCY E	3124 LAVERNE CT N	LAKE ELMO MN 55042	Lake Elmo South
903	163-1302921330038	VANDEN BRANDEN KURT & CATHERINE M VANDEN BRANDEN	11008 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
904	163-1302921330039	REED CORRINNE J	11020 N 32ND ST	LAKE ELMO MN 55042	Lake Elmo South
905	163-1302921330040	LEONARD JAMES & AMANDA SUE FLOERKE	3012 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
906	163-1302921330041	DUPUIS LUC ROCHELLE M MCCUNE	PO BOX 34	LAKE ELMO MN 55042	Lake Elmo South
907	163-1302921330042	HORTTOR CAROLYN M SMITH	1959 PARK DR N	MAPLEWOOD MN 55119	Lake Elmo South
908	163-1302921330043	SMITH CONSTANCE K	PO BOX 184	LAKE ELMO MN 55042	Lake Elmo South
909	163-1302921340032	PERTZ ANDREW J	11256 30TH ST N	LAKE ELMO MN 55042	Lake Elmo South
910	163-1302921340033	RALEIGH SNOWELL N	3074 LAVERNE CT N	LAKE ELMO MN 55042	Lake Elmo South
911	163-1402921110001	SCHILTGEN FARMS INC	10880 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
912	163-1402921210002	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
913	163-1402921210003	HAMLET ON SUNFISH LAKE HOA INC	4174 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
914	163-1402921210004	HAMLET ON SUNFISH LAKE HOA INC	4174 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
915	163-1402921210005	HAMLET ON SUNFISH LAKE HOA INC	4174 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
916	163-1402921210006	DANNA LOUIS P JR & LEEANN M	3871 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
917	163-1402921210007	BUSS SCOTT T & STEPHANIE G	3849 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
918	163-1402921210008	BURBACH MICHAEL J & ANNE M	3914 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
919	163-1402921210009	WALLACE FRANCIS J & EMMYLOU M	3890 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
920	163-1402921210010	HANSON FAMILY TRS	15518 CAMINO ESTRELLA DR W	SURPRISE AZ 85374	Lake Elmo South
921	163-1402921210011	OLSON DOUGLAS E & ROBERTA J	3834 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
922	163-1402921210012	ALESSO CRAIG M & MARY L	3806 KINDRED WAY	LAKE ELMO MN 55042	Lake Elmo South
923	163-1402921210013	BARWICK CHRISTY M & JOSEPH	3778 KINDRED CT	LAKE ELMO MN 55042-8575	Lake Elmo South
924	163-1402921210014	BESTLER DAVID C & SUSAN L	3756 KINDRED CT	LAKE ELMO MN 55042	Lake Elmo South
925	163-1402921210015	LALONDE JOHN R & MALIN V	3736 KINDRED CT	LAKE ELMO MN 55042	Lake Elmo South
926	163-1402921210016	TRS AGR JAN M JACOBSON	3720 KINDRED CT	LAKE ELMO MN 55042	Lake Elmo South
927	163-1402921210017	HIETPAS TOM P & SARAH M	3704 KINDRED CT	LAKE ELMO MN 55042	Lake Elmo South
928	163-1402921240001	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
929	163-1402921240002	RICCARDI JOHN L & HEATHER A	3503 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
930	163-1402921240003	GIBBONS JAMES C & JEANNE M BEAUBIEN	3681 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
931	163-1402921240004	CHAVEZ JOSE & JOAN S	3505 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
932	163-1402921240005	CHAVEZ JOSE & JOAN S	3505 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
933	163-1402921240006	RICCARDI JOHN L & HEATHER A	3503 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
934	163-1402921240007	BUCHAL CONNIE	3533 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
935	163-1402921240008	CRAIN ROSS D & AMY M	3597 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
936	163-1402921240009	EARLE L KASK TRS	3551 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
937	163-1402921240010	LOOS DAVID S & WENDY	3567 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
938	163-1402921240011	SCHILTGEN ROBERT J TRS & MARY J HOGAN-SCHILTGEN TR	3509 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
939	163-1402921240012	CURRAN PATRICK A & DIANE J	3607 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
940	163-1402921240013	CURRAN PATRICK A & DIANE J	3607 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
941	163-1402921310001	OLSON FONDA R	10472 STILLWATER LN	LAKE ELMO MN 55042	Lake Elmo South
942	163-1402921310002	JUREK KATHLEEN F & EDWARD	10350 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
943	163-1402921310004	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
944	163-1402921320001	KALLEVANG STEVEN E & LINDA E	10120 STILLWATER LN	LAKE ELMO MN 55042	Lake Elmo South
945	163-1402921320002	GUSTAFSON NANCY ELLEN	10194 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
946	163-1402921320003	BUEGE THOMAS M & JONI M STENE	10212 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
947	163-1402921320004	TAVERNA ROBERT J & JUDITH M	10174 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
948	163-1402921320006	BERGMARK MIRIAM J	10032 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
949	163-1402921320007	BERGMARK MIRIAM J	10032 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
950	163-1402921320008	BERGMARK MIRIAM J	10032 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
951	163-1402921320009	BERGMARK MIRIAM J	10032 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
952	163-1402921320010	GRUNDNER MICHELLE L	10092 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
953	163-1402921320011	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
954	163-1402921320012	ROGERS WILLIAM J & JUDY D	3490 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
955	163-1402921320013	CHRISTENSEN CYNDIE	3464 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
956	163-1402921320014	HEDQUIST RICHARD A & PATRICI	3440 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
957	163-1402921320015	FRENIER ANTOINE & ANDREA MEYER	10240 STILLWATER LN	LAKE ELMO MN 55042	Lake Elmo South
958	163-1402921320016	FRENIER ANTOINE & ANDREA MEYER	10240 STILLWATER LN	LAKE ELMO MN 55042	Lake Elmo South
959	163-1402921320017	LINDER ALBERT R & JUDITH A	3508 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
960	163-1402921320018	LINDER ALBERT R & JUDITH A	3508 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
961	163-1402921320019	LINDER ALBERT R & JUDITH A	3508 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
962	163-1402921320020	LINDER ALBERT R & JUDITH A	3508 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
963	163-1402921320021	LINDER ALBERT R & JUDITH A	3508 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
964	163-1402921320022	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
965	163-1402921320023	LINDER ALBERT R & JUDITH A	3508 KELVIN AVE N	LAKE ELMO MN 55042	Lake Elmo South
966	163-1402921320024	COMMON GROUND CHURCH	10240 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
967	163-1402921340001	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo South
968	163-1402921410001	SCHILTGEN FARMS INC	10880 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
969	163-1402921410002	SCHILTGEN FARMS INC	10880 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
970	163-1402921410003	SCHILTGEN FARMS INC	10880 STILLWATER BLVD N	LAKE ELMO MN 55042	Lake Elmo South
971	163-1402921410009	RICHIE FRANK	3331 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
972	163-1402921410010	LEIKAM DAVID S & ANNE M	2641 LAKE ELMO AVE N	LAKE ELMO MN 55042	Lake Elmo South
973	163-1402921410011	PLATZ ROBERT T & PAMELA J B	3281 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
974	163-1402921410012	DESCHAMP-SCHMITZ MANDIE L	3265 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
975	163-1402921410013	STEINKE DOUGLAS G & KATHRYN M SCHIFFERDECKER	3250 KRAFT CIR N	LAKE ELMO MN 55402	Lake Elmo South
976	163-1402921410014	CHRISTENSON KRISTIN B	10919 33RD ST N	LAKE ELMO MN 55042-9474	Lake Elmo South
977	163-1402921410015	MISENER JEREMY P & HOLLY M	10906 33RD ST LN N	LAKE ELMO MN 55042	Lake Elmo South
978	163-1402921410016	BRENNAN MARTIN	10902 33RD STREET LN N	LAKE ELMO MN 55042	Lake Elmo South
979	163-1402921410017	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
980	163-1402921410018	GROBNER DAVID ALLEN & DEBRA K	10867 33RD ST N	LAKE ELMO MN 55042	Lake Elmo South
981	163-1402921410019	MISENER JEREMY P & HOLLY M	10906 33RD ST LN N	LAKE ELMO MN 55042	Lake Elmo South
982	163-1402921410020	HAGBERG KEITH A	10825 33RD ST	LAKE ELMO MN 55042	Lake Elmo South
983	163-1402921410021	POTT FRANCIS JOHN	PO BOX 125	LAKE ELMO MN 55042	Lake Elmo South
984	163-1402921410022	KRENZ KRISTINA & MARK A SANDGREN	3284 KRAFT CIR	LAKE ELMO MN 55042	Lake Elmo South
985	163-1402921410023	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
986	163-1402921410027	WIESE STEVEN J & JENNIFER J F	3328 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
987	163-1402921410028	HARTUNG JOHN & HEIDI	3308 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
988	163-1402921420001	JOHNSON ADAM C & LINDSAY N WELLS	10550 STILLWATER BLVD	LAKE ELMO MN 55042	Lake Elmo South

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
989	163-1402921420002	HILPISCH THOMAS A & KATHRYN	10732 STILLWATER BLVD	LAKE ELMO MN 55042	Lake Elmo South
990	163-1402921420003	MONTAGUE MARIANNE	3360 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
991	163-1402921430001	BRUCHU TODD & MARGO L	3150 KLONDIKE AVE	LAKE ELMO MN 55042	Lake Elmo South
992	163-1402921430002	EMMONS BRETT H & JEAN I	3280 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
993	163-1402921440001	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
994	163-1402921440002	VIVONA DANIEL M	3253 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
995	163-1402921440003	VIVONA DANIEL M	3253 KRAFT CIR N	LAKE ELMO MN 55042	Lake Elmo South
996	163-1402921440007	SVENDSEN ERIC J	14606 NORELL AVE N	MARINE ON SAINT CROIX MN 55047	Lake Elmo South
997	163-1402921440008	LOVE MARK J & JENNIFER M	10940 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
998	163-1402921440009	BRIAN J BOYLE SB TRS	10961 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
999	163-1402921440010	BOYLE BRIAN & JENNIFER	10961 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1000	163-1402921440011	FINN MIKE J & DONNA M	10949 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1001	163-1402921440012	MARTIN DANIEL D	10941 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1002	163-1402921440013	BOHJANEN PAUL R & KIMBERLY A	1481 THORNHILL LN	WOODBURY MN 55125	Lake Elmo South
1003	163-1402921440014	LACHER RICHARD J	10917 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1004	163-1402921440015	PROKOSCH JOHN T & DEBRA J	10907 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1005	163-1402921440016	DOWNS MICHAEL P & PATRICIA E KORLIN-DOWNS	10899 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1006	163-1402921440017	BOUTHILET COLLEEN M & TERRANCE	10891 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1007	163-1402921440018	KNUDSON SCOTT L & SARALYN S	10865 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1008	163-1402921440019	WALLACE JOSEPH	10920 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1009	163-1402921440020	JOHNSTON PETER A & NATALIE A	10925 33RD STREET LN N	LAKE ELMO MN 55042	Lake Elmo South
1010	163-1402921440021	MARKGRAF HARVEY A TRS & SUSAN E MARKGRAF TRS	10915 33RD STREET LN N	LAKE ELMO MN 55042	Lake Elmo South
1011	163-1402921440022	BRUCHU TODD & MARGO L	3150 KLONDIKE AVE	LAKE ELMO MN 55042	Lake Elmo South
1012	163-1402921440023	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1013	163-1402921440024	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1014	163-1402921440025	LOUISE M ENGWER TRS	10823 32ND ST N	LAKE ELMO MN 55042	Lake Elmo South
1015	163-1402921440026	BASSET ROBERT JR & PAMELA A BAILEY	3161 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1016	163-1402921440027	BACHMAN SHARON J	3141 KLONDIKE AVE	LAKE ELMO MN 55042-9717	Lake Elmo South
1017	163-1402921440029	MOLINE JAMES T	3077 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1018	163-1402921440030	MOLINE JAMES T	3077 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1019	163-1402921440031	DENOMA MICHAEL L & LINDA M	3065 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1020	163-1402921440032	STEINKE DOUGLAS G & KATHRYN M SCHIFFERDECKER	3250 KRAFT CIR N	LAKE ELMO MN 55402	Lake Elmo South
1021	163-1502921110001	CITY OF LAKE ELMO	3800 LAVERNE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1022	163-1502921410001	JUREK KATHLEEN F & EDWARD	10350 STILLWATER LN N	LAKE ELMO MN 55042	Lake Elmo South
1023	163-1502921420004	OLSON FONDA R	10472 STILLWATER LN	LAKE ELMO MN 55042	Lake Elmo South
1024	163-2302921110002	DENOMA MICHAEL L & LINDA M	3065 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1025	163-2302921110004	MAGNUSON KEVIN M	3047 KLONDIKE AVE N	LAKE ELMO MN 55042	Lake Elmo South
1026	163-3103020240005	CLEMENTS TODD M & WENDY L	3200 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1027	163-3103020240006	JOHN STEVEN A & JENNIFER J	3190 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1028	163-3103020240012	MOORE MATTHEW P & JARPE AMY E	1054 DELANO CT	STILLWATER MN 55082	Lake Elmo North
1029	163-3103020240020	PARKER DAVID & REBECCA	1036 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1030	163-3103020240023	LORUSSO CARL A & STEPHANIE A	1047 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1031	163-3103020240024	REARDON KEITH J & ANA I	1041 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1032	163-3103020310003	LEGENDS OF STILLWATER HOA	222 GRAND AVE W	SOUTH ST PAUL MN 55075-2059	Lake Elmo North
1033	163-3103020310004	LEGENDS OF STILLWATER HOA	222 GRAND AVE W	SOUTH ST PAUL MN 55075-2059	Lake Elmo North
1034	163-3103020310005	REINKE JUSTIN	3305 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1035	163-3103020310006	DALLY LINDA	12449 FLANDERS CT NE UNIT C	BLAINE MN 55449	Lake Elmo North
1036	163-3103020310007	KINNEY MICHAEL R & BRIE	3325 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1037	163-3103020310008	LOEFFLER BRENDA J	3335 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1038	163-3103020310009	SEEB JOSEPH A & MARY JO	3345 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1039	163-3103020310010	CROTHERS PATRICK J & CORRINE L	1280 MCDOUGAL GREEN	STILLWATER MN 55082	Lake Elmo North
1040	163-3103020310011	GERALD JASON E & TANYA H	1270 MCDOUGAL GRN	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1041	163-3103020310012	KAHN MICHAEL S & NECOLE R	1260 MCDOUGAL GRN	STILLWATER MN 55082	Lake Elmo North
1042	163-3103020310013	WHITE TIMOTHY E & SHERYL J	1250 MCDOUGAL GRN	STILLWATER MN 55082	Lake Elmo North
1043	163-3103020310014	SEIVERT GARY & KELLY	1240 MCDOUGAL GRN	STILLWATER MN 55082	Lake Elmo North
1044	163-3103020310015	LENTZ REBECCA K	1230 MCDOUGAL GREEN	STILLWATER MN 55082	Lake Elmo North
1045	163-3103020310016	RAFFERTY RONALD F & EDNA R	1220 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1046	163-3103020310017	GALBAVY GARY C & ELLEN M	1210 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1047	163-3103020310018	ELFERT ALAN T & TAMMY J	1235 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1048	163-3103020310019	JAAP MICHAEL P & CECILIA A	1225 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1049	163-3103020310020	FELTY CAROLYN ETAL	1215 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1050	163-3103020310021	LETOURNEAU TODD & SARA	1205 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1051	163-3103020310022	CORBID KEVIN J & HOLLY B	1165 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1052	163-3103020310023	SUNDBERG GREG L & JILL M	1155 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1053	163-3103020310024	MCGRATH MICHAEL P & JILL T	1145 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1054	163-3103020310025	SHAKLEE CHARLES & SUSANA	1135 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1055	163-3103020310026	OLSON GREG & HEATHER LINDSTROM	1125 SETTLER AVE	STILLWATER MN 55082	Lake Elmo North
1056	163-3103020310027	AREND STEPHEN J & KELLE A	1115 SETTLER AVE	STILLWATER MN 55082	Lake Elmo North
1057	163-3103020310028	SINCLAIR JOHN D & DORANN P	1105 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1058	163-3103020310029	KUZMA JOHN M & LINDA B	1110 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1059	163-3103020310030	GELLA GREGORY M & PAULA M	1120 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1060	163-3103020310031	BURGESS KEVIN J & KIERSTEN E	1130 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1061	163-3103020310032	BERG DAVID A & JUDY L F	1140 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1062	163-3103020310033	NELSON TIMOTHY J	1150 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1063	163-3103020310034	TIBESAR KENNETH G	8780 OAKGREEN AVE S	HASTINGS MN 55033	Lake Elmo North
1064	163-3103020310035	FORD RANDY JOEL	1170 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1065	163-3103020310036	CHARPENTIER ETHAN A & JANET E HOWE	1210 LEGENDS BLVD	STILLWATER MN 55082	Lake Elmo North
1066	163-3103020310037	DAVIS ANN M	1220 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1067	163-3103020310038	DONOHOO DAVID D & BARBARA A	1230 LEGENDS BLVD	STILLWATER MN 55082	Lake Elmo North
1068	163-3103020310039	BORCHARDT ERICH J	1240 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1069	163-3103020310040	KOCON MICHAEL J & DEEDRA J	1075 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1070	163-3103020310041	JONNES PETER B	1055 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1071	163-3103020310042	TOSCANO GEOFFREY J & SHELLY J TOSCANO	1045 LEGEND BLVD	STILLWATER MN 55082-8386	Lake Elmo North
1072	163-3103020310043	LEE DAVID E & MICHELLE M	1035 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1073	163-3103020310044	CULLEN PATRICK S & JOANNE M	1025 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1074	163-3103020310045	HOLLOWAY DARCEY	3155 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1075	163-3103020310046	DINZEO PAUL J & AMY E	3145 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1076	163-3103020310047	GACKSTETTER DAVID P & DANIELLE M	3135 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1077	163-3103020310048	PETERSEN WAYNE S & KELLY F	3125 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1078	163-3103020310049	BARRY E CALVERT TRS	3180 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1079	163-3103020310052	WITZMANN JEFFREY A & KATHLEEN A WITZMANN	3150 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1080	163-3103020310053	DOLEZAL MICHAEL W & JENNIFER M	3140 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1081	163-3103020310054	GEISSLER CURTIS J & DIANE M	3130 ILO WAY	STILLWATER MN 55082-8388	Lake Elmo North
1082	163-3103020310055	LINDEBERG MARK J	3120 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1083	163-3103020310056	KUSCH SCOTT W & GAYLE A	3110 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1084	163-3103020310057	REILLY BRIAN M & SHAUNA	3290 STALOCH PLACE	STILLWATER MN 55082	Lake Elmo North
1085	163-3103020310058	BURRIDGE JEFFREY L	3280 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1086	163-3103020310059	WEGGE JEFFREY A	3270 STALOCH PLACE	STILLWATER MN 55082	Lake Elmo North
1087	163-3103020310060	KILLEN BRENT D & CHRISTINA E	3260 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1088	163-3103020310061	STINSON BRETT A & CATHERINE J	3250 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1089	163-3103020310062	THOMPSON GREGORY L & MARY G	3240 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1090	163-3103020310063	DIERSSEN-MORICE RIKKE & PIERRE G MORICE	3230 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1091	163-3103020310064	MATHIAS MATTHEW J & SHARI R	3220 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1092	163-3103020310065	BLISS NATHAN & LAURA	3295 STALOCH PL	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1093	163-3103020310066	KEISTER KENNETH C & SANDRA J	3285 STALOCH PLACE	STILLWATER MN 55082	Lake Elmo North
1094	163-3103020310067	RIESSELMAN RYAN T & NATALIE K	3235 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1095	163-3103020310069	JOHNSON LISA ANN	3389 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1096	163-3103020310070	MICHEL RICKY & DENISE K	3383 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1097	163-3103020310071	JOHNSON KEVIN G & KIMBERLY M	3375 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1098	163-3103020310072	NELSON SCOTT L	3367 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1099	163-3103020310073	MCCLELLAN DISA M	3368 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1100	163-3103020310074	BARTNESS HEATH A & DAINNA	3376 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1101	163-3103020310075	LEINTZ JILL M	3384 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1102	163-3103020310076	MAAS TIM & HEATHER	3390 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1103	163-3103020310077	MCMAHON DIANE M	1124 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1104	163-3103020310078	HALL SCOTT A & MARY ANN A	1116 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1105	163-3103020310079	COLE JOSEPH L & JEAN M	1108 SETTLERS AVE	STILLWATER MN 55082	Lake Elmo North
1106	163-3103020310080	DELANEY ROBERT T	3381 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1107	163-3103020310081	KITZMAN ANTHONY W & CONSTANCE M	3393 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1108	163-3103020310082	TUSSEY DAVID L & LAURA L	1078 DELANO CT	STILLWATER MN 55082	Lake Elmo North
1109	163-3103020310083	YEGGE DANIELLE L ETAL	1072 DELANO CT	STILLWATER MN 55082	Lake Elmo North
1110	163-3103020310084	KILKELLY MARK	1066 DELANO CT	STILLWATER MN 55082	Lake Elmo North
1111	163-3103020310085	OLTMAN DENNIS	1060 DELANO CT	STILLWATER MN 55082	Lake Elmo North
1112	163-3103020310086	MANNING ROBERT & CHRISTINE	1048 LEGENDS BLVD	STILLWATER MN 55082	Lake Elmo North
1113	163-3103020310087	DECENZO TAMALA G	1058 LEGENDS BLVD	STILLWATER MN 55082	Lake Elmo North
1114	163-3103020310088	BOEGEL PAUL H & NICOLE A	1066 LEGENDS BLVD	STILLWATER MN 55082	Lake Elmo North
1115	163-3103020310089	SHELTON CHERYL S	1072 LEGEND BLVD	STILLWATER MN 55082	Lake Elmo North
1116	163-3103020310090	BISKER FAMILY TRS	3302 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1117	163-3103020310091	BLOCK KEVIN & PAMELA	3314 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1118	163-3103020310092	BAKER ANGELA	3326 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1119	163-3103020310093	WESSELS RICHARD A & DAWN M	3338 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1120	163-3103020310094	DISTEFANO SALVATORE M & LISA M	3350 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1121	163-3103020310095	BENSON RYAN J & BRENDA L	3362 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1122	163-3103020310096	HANSEN TIMOTHY C & DEBBIE A	3374 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1123	163-3103020310097	CONLEY DANIEL J & APRIL C	3386 DELANO DR	STILLWATER MN 55082	Lake Elmo North
1124	163-3103020310098	KURLE JOHN P	1089 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1125	163-3103020310099	ROEPKE CLINTON A & KARI A	1083 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1126	163-3103020310100	HUCKELS PAUL K & KARI L	1077 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1127	163-3103020310101	NODES JEFFREY A & SHELLY	1071 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1128	163-3103020310102	MILLER GEOFFREY & REBEKAH	1065 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1129	163-3103020310103	BERTHIAUME MICHELE J & JAMES R	1059 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1130	163-3103020310104	WOLDT MITCHELL R & LINDSAY A	1053 DELANO WAY	STILLWATER MN 55082	Lake Elmo North
1131	163-3103020320004	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North
1132	163-3103020320009	CITY OF STILLWATER	216 4TH ST N PO BOX 242	STILLWATER MN 55082-0242	Lake Elmo North
1133	163-3103020320010	CITY OF STILLWATER	216 4TH ST N PO BOX 242	STILLWATER MN 55082-0242	Lake Elmo North
1134	163-3103020320027	HAGLE SHIRLEY M	1212 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1135	163-3103020320028	COFFEY KEVIN S	1210 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1136	163-3103020320029	ARBISI SUSAN J	1208 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1137	163-3103020320030	BIEBL MICHAEL J	12020 18TH ST N	LAKE ELMO MN 55042	Lake Elmo North
1138	163-3103020320031	STALOCH EMILY E	1204 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1139	163-3103020320032	DREGER ROBERT & DENECE	1202 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1140	163-3103020320033	KILLEN BRENT D & CHRISTINA E	3260 STALOCH PL	STILLWATER MN 55082	Lake Elmo North
1141	163-3103020320034	EIDE KARIN	1103 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1142	163-3103020320035	STRAND STEPHANIE N & JOHN T	1105 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1143	163-3103020320036	RYAN SUSAN E	1107 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1144	163-3103020320037	STRASBURG KRISTINE A	1109 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1145	163-3103020320038	BERGLUND MARY H	1111 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1146	163-3103020320039	BECKER PAMELA J	1112 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1147	163-3103020320040	BJORNSTAD CALLI L	1110 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1148	163-3103020320044	ROSENBUSH AMY & JASON B CLARK	6748 98TH ST S	COTTAGE GROVE MN 55016	Lake Elmo North
1149	163-3103020320045	MCKINNEY CHRISTINE M	1106 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1150	163-3103020320046	TERI L MINARD TRS	1104 TIMER WAY	STILLWATER MN 55082	Lake Elmo North
1151	163-3103020320047	MOODY MARION L TRS	1102 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1152	163-3103020320048	ATHMANN ROBIN J R	884 SUNRISE CT	STILLWATER MN 55082	Lake Elmo North
1153	163-3103020320049	TRUDEAU LISA M	1243 BERGMANN DR N	STILLWATER MN 55082	Lake Elmo North
1154	163-3103020320050	BRAUN JENNIFER B	1245 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1155	163-3103020320051	GILCHRIST BECKY M	1247 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1156	163-3103020320052	WYNVEEN NATHANIEL J & MADOKA T	1249 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1157	163-3103020320053	SECREST PATRICIA	1251 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1158	163-3103020320054	JOHNSON MALUNEE	1253 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1159	163-3103020320055	STOFFERAHN MARK S & KAREN J	2092 WOODBRIDGE WAY	WOODBURY MN 55125	Lake Elmo North
1160	163-3103020320056	KRAFT ELIZABETH I	1254 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1161	163-3103020320057	HENTON NICHOLAS J & DEBORAH M	12280 MCKUSICK RD N	STILLWATER MN 55082	Lake Elmo North
1162	163-3103020320058	TAN RUYUE & HUI LING WU	3153 NORCREST AVE N	STILLWATER MN 55082	Lake Elmo North
1163	163-3103020320059	ANDERSON PAUL L	PO BOX 403	HUDSON WI 54016	Lake Elmo North
1164	163-3103020320060	CLARK JOHN L & MICHELLE L III	1246 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1165	163-3103020320061	HOLM BEVERLY L	PO BOX 365	STILLWATER MN 55082	Lake Elmo North
1166	163-3103020320062	MCENROE CATHERINE A	1242 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1167	163-3103020320063	SEVERSON JEAN	1240 BERGMANN DR # 608	STILLWATER MN 55082	Lake Elmo North
1168	163-3103020320064	MEYER MARION	1180 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1169	163-3103020320065	HANZAL-BOHMER JULI A & MICHAEL HANZAL	1178 BERGMAN DR	STILLWATER MN 55082	Lake Elmo North
1170	163-3103020320066	BANDT MATTHEW P	1176 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1171	163-3103020320067	HOLMBERG FLORA S	1174 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1172	163-3103020320068	SINGER MARK R	10957 EAGLE VIEW PL	WOODBURY MN 55129	Lake Elmo North
1173	163-3103020320069	LUND CHARLES M & RITA A	1170 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1174	163-3103020320070	LAJOIE DIANE H	1230 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1175	163-3103020320071	BLEESS BONNIE D	1228 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1176	163-3103020320072	HAUGEN KIMBERLEY J	1226 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1177	163-3103020320073	KECK JOHN	1224 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1178	163-3103020320074	DE ST AUBIN DANIEL R	3231 ATWOOD CIR	STILLWATER MN 55082	Lake Elmo North
1179	163-3103020320075	RCON LLC	1851 BUERKLE RD	WHITE BEAR LAKE MN 55110	Lake Elmo North
1180	163-3103020320076	MATSCHINA DANIEL L & REBECCA L	2109 UPPER SAINT DENNIS RD	SAINT PAUL MN 55116	Lake Elmo North
1181	163-3103020320077	TORGERUD BILLY K & PATRICIA	1173 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1182	163-3103020320078	ADAMS GRAF DIANE L	1175 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1183	163-3103020320079	BICZKOWSKI MARIE	1177 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1184	163-3103020320080	ARMITAGE DANIEL R	1179 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1185	163-3103020320081	BRISTOL SAMANTHA	1181 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1186	163-3103020320082	SAWBILL COMPANIES INC	217 2ND ST N MAIN FLOOR	STILLWATER MN 55082	Lake Elmo North
1187	163-3103020320083	PLUMMER LANE & JUDY	1185 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1188	163-3103020320084	GLENDENNING LINDA K	1201 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1189	163-3103020320085	SCHERFF KAREN K	10410 COURTHOUSE BLVD	INVER GROVE HEIGHTS MN 55077	Lake Elmo North
1190	163-3103020320086	BRINGGOLD JULIE	1205 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1191	163-3103020320087	RCON LLC	1851 BUERKLE RD	WHITE BEAR LAKE MN 55110	Lake Elmo North
1192	163-3103020320088	CARLSON JANE C	1209 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1193	163-3103020320089	GOETSCH JEANETTE O	1211 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1194	163-3103020320091	ST CROIX VENTURES LLC	11082 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1195	163-3103020320092	SCHLEICHERT DANIEL & PATRICIA	1143 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1196	163-3103020320093	DINEHART JUDITH A	1145 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1197	163-3103020320094	LEE PAJZAO	1147 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1198	163-3103020320095	SCHOONOVER WILLIAM & LAURA	1149 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1199	163-3103020320096	AMIOT DONALD J & JOSEPHINE E	1151 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1200	163-3103020320097	STEPHENS KATHRYN	1154 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1201	163-3103020320098	ROSSOW DARLENE F	1152 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1202	163-3103020320099	ALM MICHELE J	1150 BERGMANN DR # 1203	STILLWATER MN 55082	Lake Elmo North
1203	163-3103020320100	HEISE CHERYL L	1148 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1204	163-3103020320101	PETERSON RUTH T	1146 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1205	163-3103020320102	MORRIS LEA	1144 BERGMANN DR #1206	STILLWATER MN 55082	Lake Elmo North
1206	163-3103020320103	RYAN JEROME M	1142 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1207	163-3103020320104	DANIELS ANN M	1140 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1208	163-3103020320105	JOHNSON ROBERT C & ELAINE M	1121 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1209	163-3103020320106	MCKOSKEY JOSHUA	1440 HEMLOCK CIR	EAGAN MN 55122	Lake Elmo North
1210	163-3103020320107	ANDERSON PAUL L	PO BOX 403	HUDSON WI 54016	Lake Elmo North
1211	163-3103020320108	DAVID L FLYNN REV TRS	1127 BERGMAN DR	STILLWATER MN 55082	Lake Elmo North
1212	163-3103020320109	POSCH PETER F	1129 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1213	163-3103020320110	HILL SHERRY	1131 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1214	163-3103020320111	MARANELL CHAD A & LAUL A	1133 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1215	163-3103020320112	GOODMAN JUDY	1135 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1216	163-3103020320113	PIERRE LINDA M	1134 BERGMAN DR	STILLWATER MN 55082	Lake Elmo North
1217	163-3103020320114	STILLWATER CROSSINGS MCKOSKEY LLC	9987 ARCOLA CT N	STILLWATER MN 55082	Lake Elmo North
1218	163-3103020320115	TANG KIN NIN & LEUNG YUET	2675 118TH CIR NE	BLAINE MN 55449	Lake Elmo North
1219	163-3103020320116	STILLWATER CROSSINGS MCKOSKEY LLC	9987 ARCOLA CT N	STILLWATER MN 55082	Lake Elmo North
1220	163-3103020320117	JOCHIM KELLY A	1126 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1221	163-3103020320118	FERBER AMBER L	1124 BERGMANN DR #1406	STILLWATER MN 55082	Lake Elmo North
1222	163-3103020320119	SHAKLEE CHARLES A & DEANNA J SHAKLEE	1122 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1223	163-3103020320120	HARVEY ELAINE M	1120 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1224	163-3103020320121	WILLIAMS NEIL & KAREN	1101 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1225	163-3103020320122	EBERTZ SUSAN L	6365 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1226	163-3103020320123	KUFNER DONNA D	1105 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1227	163-3103020320124	POLAM-REDDY VASANTHA	1107 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1228	163-3103020320125	STURTEVANT DEBORAH L & JOHN L	1738A 28 3/4 AVE	RICE LAKE WI 54868	Lake Elmo North
1229	163-3103020320126	ATTERHOLT THOMAS	1111 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1230	163-3103020320127	SCHAFER ELSA & DAVID C	9331 TRIANA TERR	FORT MYERS FL 33912	Lake Elmo North
1231	163-3103020320128	NOVAK DEBRA	1115 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1232	163-3103020320129	COLEMAN SCOTT	1110 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1233	163-3103020320130	THORN ALLEN N	1108 BERGMANN DR UNIT 1602	STILLWATER MN 55082	Lake Elmo North
1234	163-3103020320131	ROBERTS JENISE R TRS	3350 BIRCHPOND RD	EAGAN MN 55122	Lake Elmo North
1235	163-3103020320132	RATHS MARTIN B & DONNA R BUELL	1104 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1236	163-3103020320133	HUELSMANN FREDERICK H	1102 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1237	163-3103020320134	STIPE BRUCE J & JACQUELINE J	1100 BERGMANN DR	STILLWATER MN 55082	Lake Elmo North
1238	163-3103020320135	TURNQUIST DOROTHY A	3502 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1239	163-3103020320136	ANDERSON EVELYN A	3512 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1240	163-3103020320137	BROWN MICHAEL R & KAREN E	3522 JUDD TRL #1703	STILLWATER MN 55082	Lake Elmo North
1241	163-3103020320138	BANCHY BRENT & TIMEA P	3532 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1242	163-3103020320139	SCHWICHTENBERG ERIKA	3542 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1243	163-3103020320140	ERIKSSON CARL	3552 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1244	163-3103020320141	KOMARAGIRI RAVI KUMAR	16188 HOMINY PATH	LAKEVILLE MN 55044	Lake Elmo North
1245	163-3103020320142	MILLER ROBERTA	3572 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1246	163-3103020320143	WILLIAMS MATHEW J & JASON A HUENECKE OF OCEANS	141 DEER PATH	STILLWATER MN 55082	Lake Elmo North
1247	163-3103020320144	HILL JUNIPER	3561 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1248	163-3103020320145	SHERWIN JENNIFER A	3551 JUDD TRL	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1249	163-3103020320146	CURRAN PAUL T	3541 JUDD TRL	STILLWATER MN 55082-7603	Lake Elmo North
1250	163-3103020320147	BARNEY LAURA M	3531 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1251	163-3103020320148	SHAHZAD MUHAMMAD SARWAR	14250 AILESBURY CT	ROSEMOUNT MN 55068	Lake Elmo North
1252	163-3103020320149	MCARDLE JAMES A	3511 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1253	163-3103020320150	LESLIE & CATHERINE WINTERS FAMILY LIVING TRS	3501 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1254	163-3103020320151	MEARS CAROL L	3471 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1255	163-3103020320152	PUTNAM RICHARD J & AMY L	610 N MAIN ST	STILLWATER MN 55082	Lake Elmo North
1256	163-3103020320153	GUERRERO KRISTINA M	3451 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1257	163-3103020320154	PORTER ALLEN E TRS & JEANNINE M PORTER TRS	3441 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1258	163-3103020320155	VOLLMAR CHRISTINE MARIE	3431 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1259	163-3103020320156	HUMPHRIES TAMMY A & WESLEY	3421 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1260	163-3103020320157	SCHAFER ELSA	9331 TRIANA TERR	FORT MYERS FL 33912	Lake Elmo North
1261	163-3103020320158	CASCI STEFANIA	3401 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1262	163-3103020320159	DYER KATHERINE M & TERRY L	3402 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1263	163-3103020320160	PERRY MARGARET S	3412 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1264	163-3103020320161	STILLWATER CROSSINGS MCKOSKEY LLC	9987 ARCOLA CT N	STILLWATER MN 55082	Lake Elmo North
1265	163-3103020320162	STILLWATER CROSSINGS MCKOSKEY LLC	9987 ARCOLA CT N	STILLWATER MN 55082	Lake Elmo North
1266	163-3103020320163	SCHAFER ELSA & DAVID C	9331 TRIANA TERR	FORT MYERS FL 33912	Lake Elmo North
1267	163-3103020320164	KARI ELIZABETH GARRATT TRS	1015 3RD AVE S	STILLWATER MN 55082	Lake Elmo North
1268	163-3103020320165	FLIS MARK D & JEAN M	1633 LAKESIDE DR UNIT 16	GILBERT AZ 85234	Lake Elmo North
1269	163-3103020320166	DROBINSKI RICHARD & PEGGY	3472 JUDD TRL	STILLWATER MN 55082	Lake Elmo North
1270	163-3103020320167	BROWN WILBUR K & CINDY SELNES	8670 KIMBRO LN N	STILLWATER MN 55082	Lake Elmo North
1271	163-3103020320168	ANTONSON ROGER E & ELVIRA	1203 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1272	163-3103020320169	QUAYLE KATIE	1205 TIMBER WAY UNIT 103	STILLWATER MN 55082	Lake Elmo North
1273	163-3103020320170	GOMBOLD KAITLYN	1207 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1274	163-3103020320171	LECK DAVID A	1209 TIMBER WAY	STILLWATER MN 55082	Lake Elmo North
1275	163-3103020320172	STIEPAN STEVEN & SUE A	5730 N HIGHLANDS TRL	LAKE ELMO MN 55042	Lake Elmo North
1276	163-3103020330002	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North
1277	163-3103020330003	CRESCENT DEV LLC	2214 FIFTH ST UNIT 3	WHITE BEAR LAKE MN 55110	Lake Elmo North
1278	163-3103020340002	BERGMANN PAUL B	12239 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1279	163-3103020340003	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
1280	163-3103020340004	CRESCENT DEV LLC	2214 FIFTH ST UNIT 3	WHITE BEAR LAKE MN 55110	Lake Elmo North
1281	163-3103020420008	VENUTA PETER J & KIMBERLY S	3170 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1282	163-3103020420009	FOGARTY JOSEPH P & PAULETTE A	3160 ILO WAY	STILLWATER MN 55082	Lake Elmo North
1283	163-3103020430002	FURGALA CASSANDRA A & BRITTANY R	12525 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1284	163-3103020430003	SCHILLO MELISSA C	12563 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1285	163-3103020430004	GASCOIGNE D JO & CAROLYN J ELLIOTT	12601 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1286	163-3103020430005	TYNEN PATRICK A & JEAN M	12677 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1287	163-3103020430006	GREGORY W & PATRICIA MACHESNEY	12727 N 62ND ST	STILLWATER MN 55082	Lake Elmo North
1288	163-3103020430008	PAN KONGRONG K & YIHONG GAO	12610 62ND ST	STILLWATER MN 55082	Lake Elmo North
1289	163-3103020430009	BERNER DAN E & SUZANNE M	12680 62ND ST N	STILLWATER MN 55082-5419	Lake Elmo North
1290	163-3103020430012	STATE OF MN-DOT	395 JOHN IRELAND BLVD	ST PAUL MN 55155	Lake Elmo North
1291	163-3103020430013	BRADSHAW JAMES H & JAYNE M	1310 HILLCREST DR	STILLWATER MN 55082	Lake Elmo North
1292	163-3103020430014	BRADSHAW JAMES H & JAYNE M	1310 HILLCREST DR	STILLWATER MN 55082	Lake Elmo North
1293	163-3103020430015	CURVE CREST PROFESSIONAL BLDG LLC	1215 TOWN CENTER DR # 130	EAGAN MN 55123	Lake Elmo North
1294	163-3103020430017	STILLWATER BLDG CO LLC	1719 TOWER DR W	STILLWATER MN 55082	Lake Elmo North
1295	163-3103020430018	RANKIN BRADLEY T & JENNIFER L	12730 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1296	163-3103020430019	DOC-2900 CURVE CREST MOB LLC	309 N WATER ST SUITE 500	MILWAUKEE WI 53202	Lake Elmo North
1297	163-3103020430020	2900 CURVE CREST LLC	800 LASALLE AVE STE 1610	MINNEAPOLIS MN 55402	Lake Elmo North
1298	163-3103020430021	2900 CURVE CREST LLC	800 LASALLE AVE STE 1610	MINNEAPOLIS MN 55402	Lake Elmo North
1299	163-3103020440015	RALEIGH PATRICK M	12750 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1300	163-3403021310005	CHANG DAVID Y & CECILIA F	9367 65TH ST	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1301	163-3403021310008	HELANDER JERRY W & MARJORIE D	6261 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1302	163-3403021310009	BERRY STEVEN R & VICTORIA	9370 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1303	163-3403021310015	HELANDER JERRY W & MARJORIE D	6261 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1304	163-3403021310016	SCOTT DANIEL M & DONNA M	9341 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1305	163-3403021320006	TEBBEN PATRICIA A	6300 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1306	163-3403021340001	SCHLETZ NATHAN W & BETHANY S	6081 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1307	163-3403021340002	PFALZ RICHARD P & TWYLLA A	9496 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1308	163-3403021340003	MEIS JAMES R & KATHRYN ZEHNDER	6227 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1309	163-3403021340006	SHAIN STEVEN M & LINDA M	9302 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1310	163-3403021340011	SCHLETZ NATHAN W & BETHANY S	6081 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1311	163-3403021340012	TURCH JOSEPH EDWARD	6033 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1312	163-3403021340013	KALLAND DARREL T & KATHERINE	6071 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1313	163-3403021340014	JERYLO TERRY P & LAURIE A	9344 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1314	163-3403021340015	DIETZ JOHN D	6113 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1315	163-3403021340016	ST GEORGE ROGER & KRISTEN	6123 JASMINE AVE N	STILLWATER MN 55082	Lake Elmo North
1316	163-3403021410001	FRANS GARY C	6264 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1317	163-3403021410002	BECKING LAWRENCE & SHANNON O SKELLEY-	6300 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1318	163-3403021410003	MAGNUSSON SARA C & MICHAEL C SCHAEFFER	9895 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1319	163-3403021410004	MCNAMARA JESSICA L & JON M	6330 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1320	163-3403021420002	BRAMA GINA M	9700 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1321	163-3403021420003	BRAMA FLORA A	9700 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1322	163-3403021430003	60TH ST PROPERTY LLC	6550 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1323	163-3403021430004	BRAMA GINA AND FLORA	9700 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1324	163-3403021440001	THUESON STEVE	9988 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1325	163-3503021110001	HANNAHAN MARK	6840 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1326	163-3503021110002	MURPHY DAVID M	10891 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1327	163-3503021110003	HASKINS NEIL G	10911 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1328	163-3503021110004	SENN DAVID G & SHANTEL A	10871 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1329	163-3503021110005	KITTEL MARK R & PATRICIA J	6780 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1330	163-3503021110006	KOENIG SCOTT R & HEIDI K	10870 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1331	163-3503021110007	PETERSON MAVIS A	PO BOX 2005	STILLWATER MN 55082	Lake Elmo North
1332	163-3503021110008	KLAAS FAMILY TRS	10940 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1333	163-3503021110009	MCKENZIE ROBERT & MICHELE	10890 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1334	163-3503021110010	ROTH DEBORAH M & PAUL A	10889 N 69TH ST	STILLWATER MN 55082	Lake Elmo North
1335	163-3503021110011	MAHOWALD MARC L & KATHY C	10851 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1336	163-3503021110012	BIELE PAUL A	10760 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1337	163-3503021110013	KLUGE THOMAS M	10830 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1338	163-3503021110014	GORKE LINDA MARIE	6950 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1339	163-3503021120001	DENNIS L NYHUS REV TRS	2560 OVERLOOK AVE N	STILLWATER MN 55082	Lake Elmo North
1340	163-3503021120002	BYE DAVID B	10660 N 69TH ST	STILLWATER MN 55082	Lake Elmo North
1341	163-3503021120003	MOGROW INC	6667 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1342	163-3503021120004	MOGROW INC	6667 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1343	163-3503021120005	MAHER TIMOTHY W & EMILY R	10733 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1344	163-3503021120006	KLINGHAGEN DANIELLE & JASON	10591 69TH ST N	GRANT MN 55082	Lake Elmo North
1345	163-3503021120007	KOHLER GUNTER A & ELNA E	10653 69TH ST N	STILLWATER MN 55082	Lake Elmo North
1346	163-3503021130001	RECO INC	6667 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1347	163-3503021130002	KUZJ STEVEN DEAN & LEE ANN	10800 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1348	163-3503021130003	GILBERT SAMANTHA B	10851 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1349	163-3503021140001	ALLENSPACH TIMOTHY LEE	6650 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1350	163-3503021140002	SCHUMANN THOMAS C	6720 LAKE ELMO AVE	STILLWATER MN 55082	Lake Elmo North
1351	163-3503021140003	WHITTAKER DAN & MELODY F	10880 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1352	163-3503021140004	SHERLOCK DAVID J & LEE ANN F	10850 66TH ST N	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1353	163-3503021140005	MARTIN ALLAN D & JUDITH L	10975 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1354	163-3503021140006	HILLMANN JAMES W & KAREN E	10901 66TH ST N	GRANT TOWNSHIP MN 55082	Lake Elmo North
1355	163-3503021210001	KUNZ & MOGROW INC	6667 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1356	163-3503021210004	COATNEY SEAN C & MARY P	10256 67TH LN N	STILLWATER MN 55082	Lake Elmo North
1357	163-3503021210009	COATNEY SEAN C & MARY P	10256 67TH LN N	STILLWATER MN 55082	Lake Elmo North
1358	163-3503021230001	HALONEN GARY P	4495 LAKE AVE S # 316	WHITE BEAR LAKE MN 55110	Lake Elmo North
1359	163-3503021230006	HALONEN GARY P	4495 LAKE AVE S # 316	WHITE BEAR LAKE MN 55110	Lake Elmo North
1360	163-3503021230010	FEHLING JAMES A & MICHELE L	10100 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1361	163-3503021230012	ODLAND RICHARD P & LYNDA G	10066 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1362	163-3503021240001	KUNZ & MOGROW INC	6667 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1363	163-3503021240002	RECO INC	6667 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1364	163-3503021240003	RUE SCOTT B & JAMIE A	10270 67TH ST N	STILLWATER MN 55082	Lake Elmo North
1365	163-3503021240004	RUE SCOTT B	10270 67TH ST N	STILLWATER MN 55082	Lake Elmo North
1366	163-3503021240005	MOGROW INC	6667 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1367	163-3503021240006	MN COACHES INC	425 31ST ST E	HASTINGS MN 55033	Lake Elmo North
1368	163-3503021310001	MOGROW INC	6667 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1369	163-3503021310002	RECO INC	6667 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1370	163-3503021310003	SCHWIETERS JOEL J & CYNTHIA	6400 KESWICK AVE N	STILLWATER MN 55082-9101	Lake Elmo North
1371	163-3503021310004	MILLER DUANE G & O'BRIEN MARY	6395 KESWICK AVE N	STILLWATER MN 55082-9101	Lake Elmo North
1372	163-3503021310005	PAUL THOMAS A	6363 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1373	163-3503021310006	MATSCHKE JOHN M & MARY JO	6345 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1374	163-3503021310007	GILLESPIE ELLEN E & LELAND S	6299 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1375	163-3503021310008	BOHL DENNIS M & MARY ANN	6277 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1376	163-3503021310009	SCHMURA CHERYL K & JOSEPH P	6255 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1377	163-3503021310010	YUNKER JAMES R & ANGELA N	6223 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1378	163-3503021310011	MURSKO EDWARD P & ELIZABETH A	6260 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1379	163-3503021310012	NELSON WESLEY N & KAREN M	10330 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1380	163-3503021310013	THIBODEAU DENNIS & KATHLEEN	6330 KESWICK AVE	STILLWATER MN 55082	Lake Elmo North
1381	163-3503021310014	STEARNS JOHN S & JOYCE M	6380 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1382	163-3503021310015	MURSKO EDWARD P & ELIZABETH A	6260 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1383	163-3503021310016	THIBODEAU DENNIS & KATHLEEN	6330 KESWICK AVE	STILLWATER MN 55082	Lake Elmo North
1384	163-3503021310017	STEARNS JOHN S & JOYCE M	6380 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1385	163-3503021310018	SCHWIETERS JOEL J & CYNTHIA	6400 KESWICK AVE N	STILLWATER MN 55082-9101	Lake Elmo North
1386	163-3503021310019	MILLER DUANE G & O'BRIEN MARY	6395 KESWICK AVE N	STILLWATER MN 55082-9101	Lake Elmo North
1387	163-3503021310020	PAUL THOMAS A	6363 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1388	163-3503021310021	MATSCHKE JOHN M & MARY JO	6345 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1389	163-3503021310022	GILLESPIE ELLEN E & LELAND S	6299 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1390	163-3503021310023	BOHL DENNIS M & MARY ANN	6277 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1391	163-3503021310024	SCHMURA CHERYL K & JOSEPH P	6255 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1392	163-3503021310025	YUNKER JAMES R & ANGELA N	6223 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1393	163-3503021320001	MELTON JAMES E & JOYCE A	6431 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1394	163-3503021320002	HARRINGTON WILMA E TRS	6371 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1395	163-3503021320003	JONES JUSTIN & CHRISTA	6403 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1396	163-3503021320004	HOPKINS RONALD R & JANICE M	10144 65TH ST W	STILLWATER MN 55082	Lake Elmo North
1397	163-3503021320005	MOGREN THOMAS G	10188 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1398	163-3503021320006	COLLINS DANIEL A & LINDA L	10177 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1399	163-3503021320007	FEHLING JAMES A & MICHELE L	10100 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1400	163-3503021320008	HOPKINS RONALD R & JANICE M	10144 65TH ST W	STILLWATER MN 55082	Lake Elmo North
1401	163-3503021320009	MOGREN THOMAS G	10188 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1402	163-3503021320010	COLLINS DANIEL A & LINDA L	10177 65TH ST N	STILLWATER MN 55082	Lake Elmo North
1403	163-3503021320011	MCHUTCHISON DEBRAH SUE HOIDA	10133 N 65TH ST	STILLWATER MN 55082	Lake Elmo North
1404	163-3503021320012	ROLLEFSON MICHAEL R & HOLLY M	10085 65TH ST N	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1405	163-3503021320013	REALTY PROS LLC	4536 FRANCE AVE S	EDINA MN 55410	Lake Elmo North
1406	163-3503021320014	BLOMSTRAND BRUCE T & PAMELA	6277 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1407	163-3503021320015	FRASCONE MICHAEL J & CONNIE	6228 KELVIN AVE	STILLWATER MN 55082	Lake Elmo North
1408	163-3503021320016	THEIS KAREN M J & SCOTT A	6233 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1409	163-3503021320017	GOEBEL CHARLES B & MARIE E	6225 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1410	163-3503021320018	BLOMSTRAND BRUCE T & PAMELA	6277 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1411	163-3503021320019	REALTY PROS LLC	4536 FRANCE AVE S	EDINA MN 55410	Lake Elmo North
1412	163-3503021320020	GOEBEL CHARLES B & MARIE E	6225 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1413	163-3503021320021	THEIS SCOTT A	6233 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1414	163-3503021320022	FRASCONE MICHAEL J & CONNIE	6228 KELVIN AVE	STILLWATER MN 55082	Lake Elmo North
1415	163-3503021330001	PENFIELD INC	10010 60TH ST N	STILLWATER MN 55082-8351	Lake Elmo North
1416	163-3503021330003	LIEDL PAUL TRS	6255 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1417	163-3503021330004	SPINDLER DOUGLAS N & CHRISTI	6211 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1418	163-3503021330005	CARPENTIER RICHARD J & KAREN	6197 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1419	163-3503021330006	WINTER LEROY E	6153 KEATS AVE	STILLWATER MN 55082-0000	Lake Elmo North
1420	163-3503021330007	NELSON JEAN A	6125 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1421	163-3503021330008	ELM JAMES	10220 60TH ST LN N	STILLWATER MN 55082	Lake Elmo North
1422	163-3503021330009	KRACHT HAROLD D & JANALEE V	10230 60TH ST LN N	STILLWATER MN 55082-9361	Lake Elmo North
1423	163-3503021330010	RIES RICHARD D & VIRGINIA R	6220 KELVIN AVE	STILLWATER MN 55082	Lake Elmo North
1424	163-3503021330011	NELSON JEAN A	6125 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1425	163-3503021330012	WINTER LEROY E	6153 KEATS AVE	STILLWATER MN 55082-0000	Lake Elmo North
1426	163-3503021330013	CARPENTIER RICHARD J & KAREN	6197 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1427	163-3503021330014	SPINDLER DOUGLAS N & CHRISTI	6211 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1428	163-3503021330015	LIEDL PAUL TRS	6255 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1429	163-3503021330016	ELM JAMES	10220 60TH ST LN N	STILLWATER MN 55082	Lake Elmo North
1430	163-3503021330017	KRACHT HAROLD D & JANALEE V	10230 60TH ST LN N	STILLWATER MN 55082-9361	Lake Elmo North
1431	163-3503021330018	RIES RICHARD D & VIRGINIA R	6220 KELVIN AVE	STILLWATER MN 55082	Lake Elmo North
1432	163-3503021330019	VAJGRT PATRICIA A	10250 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1433	163-3503021330020	KLUEMPKE PATRICK M TRS & TRACY L LOVNESS TRS	10260 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1434	163-3503021330021	BERWALD BRIAN R & SARAH K	6210 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1435	163-3503021330022	VAJGRT PATRICIA A	10250 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1436	163-3503021330023	KLUEMPKE PATRICK M TRS & TRACY L LOVNESS TRS	10260 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1437	163-3503021330024	BERWALD BRIAN R & SARAH K	6210 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1438	163-3503021340001	WEISS MICHAEL L	10450 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1439	163-3503021340004	JACOBSON LIVING TRS	10299 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1440	163-3503021340005	STANG GREGORY J & FRANCES H	10436 61ST ST N	STILLWATER MN 55082	Lake Elmo North
1441	163-3503021340006	PERSON RICK & MARY JO	6185 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1442	163-3503021340007	CRAD PROPERTIES	904 LAKEWOOD RD	EAGAN MN 55123	Lake Elmo North
1443	163-3503021340008	FARMER RONALD B	10350 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1444	163-3503021340009	HINTZE ANDREA R & ERNEST O II	10380 60TH ST LN N	STILLWATER MN 55082	Lake Elmo North
1445	163-3503021340010	FARMER RONALD B	10350 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1446	163-3503021340011	NELSON WESLEY N & KAREN M	10330 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1447	163-3503021340012	JAMES M JOHNSON TRS & CYNTHIA M JOHNSON CREDIT TRS	6215 KELVIN AVE N	STILLWATER MN 55082	Lake Elmo North
1448	163-3503021340013	PERSON RICK & MARY JO	6185 KESWICK AVE N	STILLWATER MN 55082	Lake Elmo North
1449	163-3503021340014	LANDSHUT RICHARD T & JESSICA A	10430 61ST ST N	STILLWATER MN 55082	Lake Elmo North
1450	163-3503021340015	STANG GREGORY J & FRANCES H	10436 61ST ST N	STILLWATER MN 55082	Lake Elmo North
1451	163-3503021340016	STUMPF DANIEL	1313 BURKE AVE	MAPLEWOOD MN 55109	Lake Elmo North
1452	163-3503021340017	CATHERINE MACCHESNEY REV TRS	10435 61ST ST N	STILLWATER MN 55082	Lake Elmo North
1453	163-3503021340018	JOHNSON BRUCE E & KATHLEEN K	10427 61ST ST N	STILLWATER MN 55082	Lake Elmo North
1454	163-3503021340019	MICHAEL & KATHY JENSEN FAMILY LIVING TRS	10425 60TH STREET LN N	STILLWATER MN 55082	Lake Elmo North
1455	163-3503021340020	ASMUS KEVIN L & SUSAN A	10415 60TH ST LN N	STILLWATER MN 55082	Lake Elmo North
1456	163-3503021340021	CHAPUT BRIAN	10255 60TH ST LN N	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1457	163-3503021340022	GAUSMAN DANIEL K & DONNA	10365 60TH ST LN N	STILLWATER MN 55082	Lake Elmo North
1458	163-3503021410001	GUERTIN DANIEL P & ALICE M HENRIKSEN	6380 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1459	163-3503021410003	GUERTIN DANIEL P & ALICE M HENRIKSEN	6380 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1460	163-3503021420001	RECO INC	6667 KEATS AVE	STILLWATER MN 55082	Lake Elmo North
1461	163-3503021430001	PARON GREGORY J & JEAN R	10620 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1462	163-3503021430004	HALVERSON HARVEY R & KARLA J	10510 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1463	163-3503021430006	SCHNEIDER KATHLEEN N	10838 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1464	163-3503021430007	LATO BRYAN E	10660 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1465	163-3503021430008	HARRIS PAUL V & NANCY J	10718 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1466	163-3503021430009	CAMITSCH DEBORAH J	10680 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1467	163-3503021430010	SCHWARTZ STEVEN & JUANITA VOGEL	10660 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1468	163-3503021430011	CHAPMAN KAY M	10610 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1469	163-3503021430012	LANDSHUT THOMAS E & SHARON L	10560 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1470	163-3503021430013	WEISS JAMES C & JEAN K	10540 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1471	163-3503021430014	REGAN MICHAEL O & MARY E	10510 N 62ND ST	STILLWATER MN 55082	Lake Elmo North
1472	163-3503021430015	KOLBY ARLINDA M	10511 N 62ND ST	STILLWATER MN 55082	Lake Elmo North
1473	163-3503021430016	LANCASTER LARRY A & ARLINDA	10511 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1474	163-3503021430017	HEESCH GARY W	10555 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1475	163-3503021430018	KIRCHNER RAYMOND W & CHRISTI	10635 62ND ST N	STILLWATER MN 55082-4983	Lake Elmo North
1476	163-3503021430019	ADAMS PATRICK R & CATHERINE A	10647 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1477	163-3503021430020	WARNING JEFFREY J & LISA J	10685 62ND ST N	STILLWATER MN 55082-8361	Lake Elmo North
1478	163-3503021430021	FROYSLAND MARLYN D & KATHLEEN	10721 N 62ND ST	STILLWATER MN 55082	Lake Elmo North
1479	163-3503021430022	BROWN TODD M	10570 60TH ST	STILLWATER MN 55082	Lake Elmo North
1480	163-3503021440001	SCHNEIDER KATHLEEN N	10838 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1481	163-3503021440002	GROUP 41 LTD	PO BOX 488	STILLWATER MN 55082	Lake Elmo North
1482	163-3503021440003	SCHNEIDER KATHLEEN N	10838 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1483	163-3503021440005	NEEDHAM DAVID E	6080 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1484	163-3503021440006	HUTTEMIER JAMES W & CAROLLE A	10958 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1485	163-3503021440007	FLYNN GERROLL & LINDA A	10928 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1486	163-3503021440008	POGALZ JOHN	10888 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1487	163-3503021440009	GANGNON TIMOTHY D & DEBORAH E	10850 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1488	163-3503021440010	COMPTON CHAD S & KIRTLEY G	10790 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1489	163-3503021440011	SMITH SUZANNE A	10780 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1490	163-3503021440012	THOMPSON JR MYRON K	10750 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1491	163-3503021440013	OSWALD DONALD & DAWN	10749 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1492	163-3503021440014	ROSENDAHL JAMES ERIC & PATTI L	10777 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1493	163-3503021440015	SCHULTE JOSEPH R & ELIZABETH & PAULA R SCHULTE	10815 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1494	163-3503021440016	LEAHY JOSEPH P & ANN D	10851 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1495	163-3503021440017	GOEBEL CLAUDIA A	10885 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1496	163-3503021440018	SINDT STEVEN A & CHRISTA M	10925 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1497	163-3503021440019	GREENLEE RANDY G & JEANNE M	10955 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1498	163-3503021440020	HALVERSON RYAN R & CORINNA L	6120 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1499	163-3503021440021	PRTS COMMON ELEMENT	14949 62ND ST N	STILLWATER MN 55082	Lake Elmo North
1500	163-3503021440022	NESS INVESTMENTS II LLC	6290 HIGHWAY 36 BLVD N	OAKDALE MN 55128	Lake Elmo North
1501	163-3503021440023	NATHANEVAND LLC	10900 60TH ST N	STILLWATER MN 55082	Lake Elmo North
1502	163-3603021130001	SCHAEFER ARTHUR B JR	6660 MANNING AVE N	STILLWATER MN 55082	Lake Elmo North
1503	163-3603021140003	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North
1504	163-3603021140004	SCHAEFER ARTHUR B JR	6660 MANNING AVE N	STILLWATER MN 55082	Lake Elmo North
1505	163-3603021140005	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North
1506	163-3603021140006	RABOIN BARBARA C	6558 MANNING AVE N	STILLWATER MN 55082	Lake Elmo North
1507	163-3603021210001	CARLSON ROBERT E	11802 97TH ST N	STILLWATER MN 55082	Lake Elmo North
1508	163-3603021220001	FRITZ CLARENCE & HILDA	6921 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North

PARCELS LOCATED WITHIN THE CITY OF LAKE ELMO DWSMAs

	PIN	OWNER_NAME	ADDRESS	CITY/STATE/ZIP	DWSMA
1509	163-3603021220002	FRITZ HERLYN A	6881 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1510	163-3603021230002	COSTA MICHAEL J & KARI K	11006 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1511	163-3603021230003	WENNER KRISTA K & BRIAN A	11018 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1512	163-3603021230004	SCHMIDT CHRISTINA M & MICHAEL G	11032 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1513	163-3603021230005	STONEHOUSE MATTHEW J & ERIN E	11052 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1514	163-3603021230006	MICHELS MARY C & ROBERT J	11055 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1515	163-3603021230007	FOX MICHAEL	11033 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1516	163-3603021230008	NIDERSSON BRAD S & LORI A	11011 66TH ST N	STILLWATER MN 55082-9647	Lake Elmo North
1517	163-3603021240001	FISCHER RICHARD W & CAROLYN A	11068 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1518	163-3603021240002	CRANDALL JOHN D TRS & BETTY J CRANDALL TRS	11082 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1519	163-3603021240003	LUND JEFFREY G & SUSAN B	11076 66TH ST N	STILLWATER MN 55082	Lake Elmo North
1520	163-3603021310002	K & R LAND HOLDINGS LLP	12912 FARNHAM AVE	WHITE BEAR LAKE MN 55110	Lake Elmo North
1521	163-3603021320002	KRISTIN LEE PETERSON TRS	6353 LAKE ELMO AVE N	STILLWATER MN 55082	Lake Elmo North
1522	163-3603021320003	JOHNSON CHAD R & KRISTA M	6301 LAKE ELMO AVE N	STILLWATER MN 55082-8331	Lake Elmo North
1523	163-3603021330001	AMERICAN POLYWATER CORP	11222 60TH ST N PO BOX 53	STILLWATER MN 55082	Lake Elmo North
1524	163-3603021330002	BUBERL RICHARD A & GINA D	6211 LAKE ELMO AVE	STILLWATER MN 55082	Lake Elmo North
1525	163-3603021330005	AMERICAN POLYWATER CORP	11222 60TH ST N PO BOX 53	STILLWATER MN 55082	Lake Elmo North
1526	163-3603021330006	COZZIE'S HOLDING LLC	818 PINE ST W	STILLWATER MN 55082	Lake Elmo North
1527	163-3603021330007	MELTON JAMES E & JOYCE A	6431 KEATS AVE N	STILLWATER MN 55082	Lake Elmo North
1528	163-3603021330013	AMERICAN POLYWATER CORP	11222 60TH ST N PO BOX 53	STILLWATER MN 55082	Lake Elmo North
1529	163-3603021330014	BUBERL ADAM R & AMBER M	6185 LAKE ELMO AVE	STILLWATER MN 55082	Lake Elmo North
1530	163-3603021330015	TAS PROPERTIES LLC	2370 HWY 36 E	N SAINT PAUL MN 55109	Lake Elmo North
1531	163-3603021330016	CURTIS WILLIAM A & CAROL A	11020 NO 60TH ST	STILLWATER MN 55082	Lake Elmo North
1532	163-3603021330017	TAS PROPERTIES LLC	2370 HWY 36 E	N SAINT PAUL MN 55109	Lake Elmo North
1533	163-3603021330018	R-TWO HOLDINGS LLC	329 OWASSO BLVD S	ROSEVILLE MN 55113	Lake Elmo North
1534	163-3603021340001	NORTHERN NATL GAS CO	PO BOX 3330	OMAHA NE 68103-0333	Lake Elmo North
1535	163-3603021340002	STILLWATER WEST LLC	11910 OTCHIPWE AVE N	STILLWATER MN 55082	Lake Elmo North
1536	163-3603021410003	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North
1537	163-3603021410004	AAMODT'S APPLE FARM INC	PO BOX 295	STILLWATER MN 55082	Lake Elmo North
1538	163-3603021420001	WILSON KENNETH J & RUTH L	12912 FARNHAM AVE	WHITE BEAR LAKE MN 55110	Lake Elmo North
1539	163-3603021430003	WILSON KENNETH J & RUTH L	12912 FARNHAM AVE	WHITE BEAR LAKE MN 55110	Lake Elmo North
1540	163-3603021440002	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North
1541	163-3603021440003	WILSON KENNETH J & RUTH L	12912 FARNHAM AVE	WHITE BEAR LAKE MN 55110	Lake Elmo North
1542	163-3603021440004	WASHINGTON COUNTY	11660 MYERON RD N	STILLWATER MN 55082	Lake Elmo North

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1820009
NAME	Lake Elmo
ADDRESS	Lake Elmo Water Superintendent, 3880 Laverne Avenue, Lake Elmo, MN 55042

COMMUNITY

FACILITY (WELL) INFORMATION

NAME	Well #1
FACILITY ID	S01
UNIQUE WELL NO.	208448
COUNTY	Washington

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / FACILITY ID	1820009 S01	**UNIQUE WELL NO.**	208448

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		

PWS ID / FACILITY ID	1820009 S01	UNIQUE WELL NO.	208448

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		Y	157	N
SET	Septic tank	50	50		Y	178	N
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		N		
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		

PWS ID / FACILITY ID	1820009 S01	UNIQUE WELL NO.	208448

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
GPR	Gravel pocket receiving clear water drainage	30	N/A		Y	60	N
DRA	Drainfield - above or below grade	50	50	100	Y	158	N
DRA	Drainfield - above or below grade	50	50	100	Y	85	N

* New potential contaminant source.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

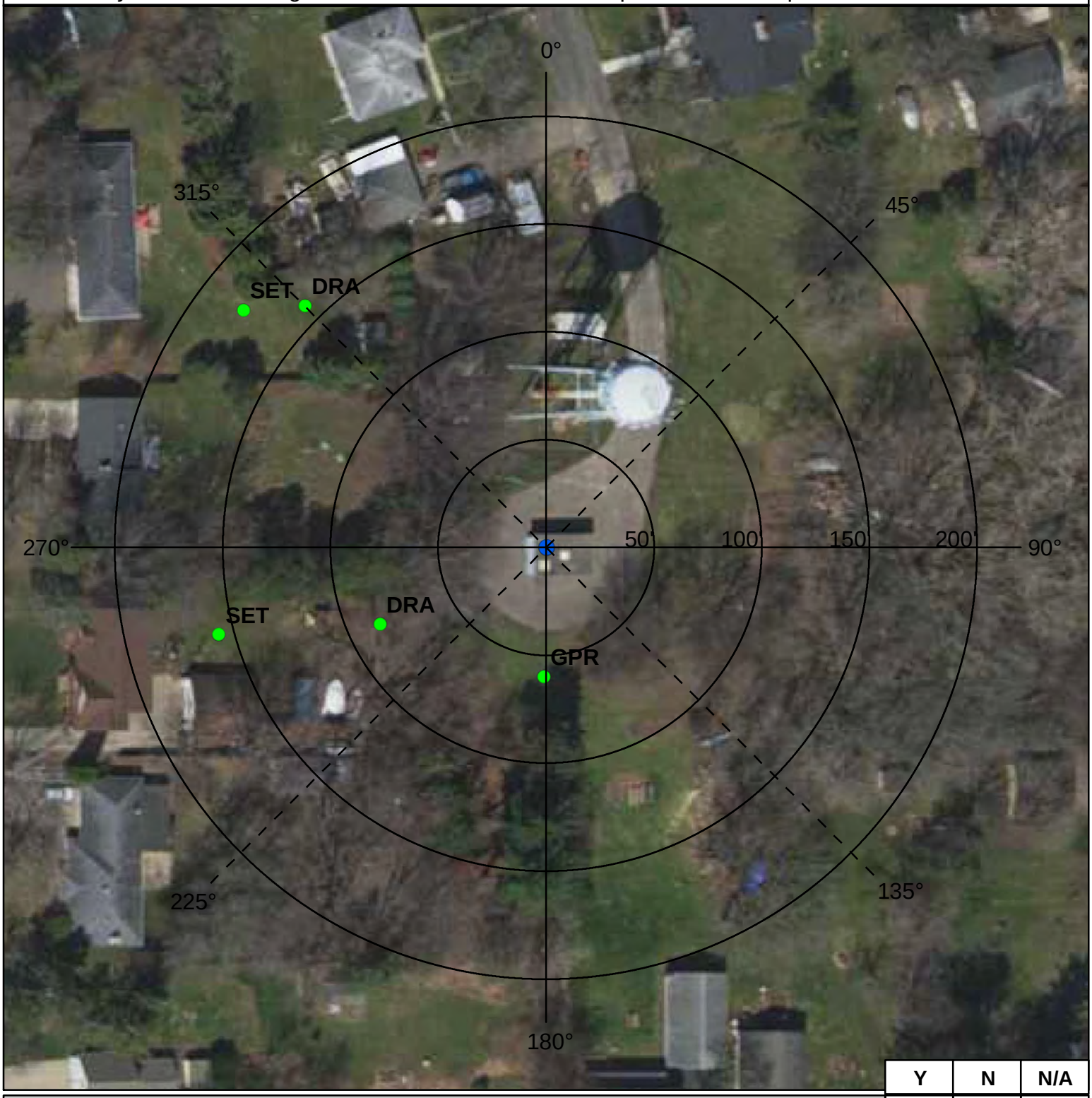
[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / FACILITY ID	1820009 S01	UNIQUE WELL NO.	208448

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			X
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	1 - 31 - 2018

PWS ID / FACILITY ID	1820009 S01	UNIQUE WELL NO.	208448

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
The condition of individual sewage treatment systems should be periodically evaluated, and any identified maintenance issues addressed. This can help minimize the potential for contamination of the water supply.		05/15/2008
For an individual sewage treatment system (ISTS) located on adjacent property within 200 feet of the well, educational material explaining the operation and maintenance of an ISTS could be distributed. Information is available from the Minnesota Pollution Control Agency (www.pca.state.mn.us/programs/ists or 1-800-657-3864) and the University of Minnesota Extension Service (septic.umn.edu or 1-800-322-8642).		05/15/2008
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		05/15/2008

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1820009
NAME	Lake Elmo
ADDRESS	Lake Elmo Water Superintendent, 3880 Laverne Avenue, Lake Elmo, MN 55042

COMMUNITY

FACILITY (WELL) INFORMATION

NAME	Well #2
FACILITY ID	S02
UNIQUE WELL NO.	603085
COUNTY	Washington

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / FACILITY ID	1820009 S02	**UNIQUE WELL NO.**	603085

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		

PWS ID / FACILITY ID	1820009 S02	UNIQUE WELL NO.	603085

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		Y	150	Y
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	35	Y
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		

PWS ID / FACILITY ID	1820009 S02	UNIQUE WELL NO.	603085

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
WAT	Stream, river, pond, lake, wetland	50	50		Y	150	N

* New potential contaminant source.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

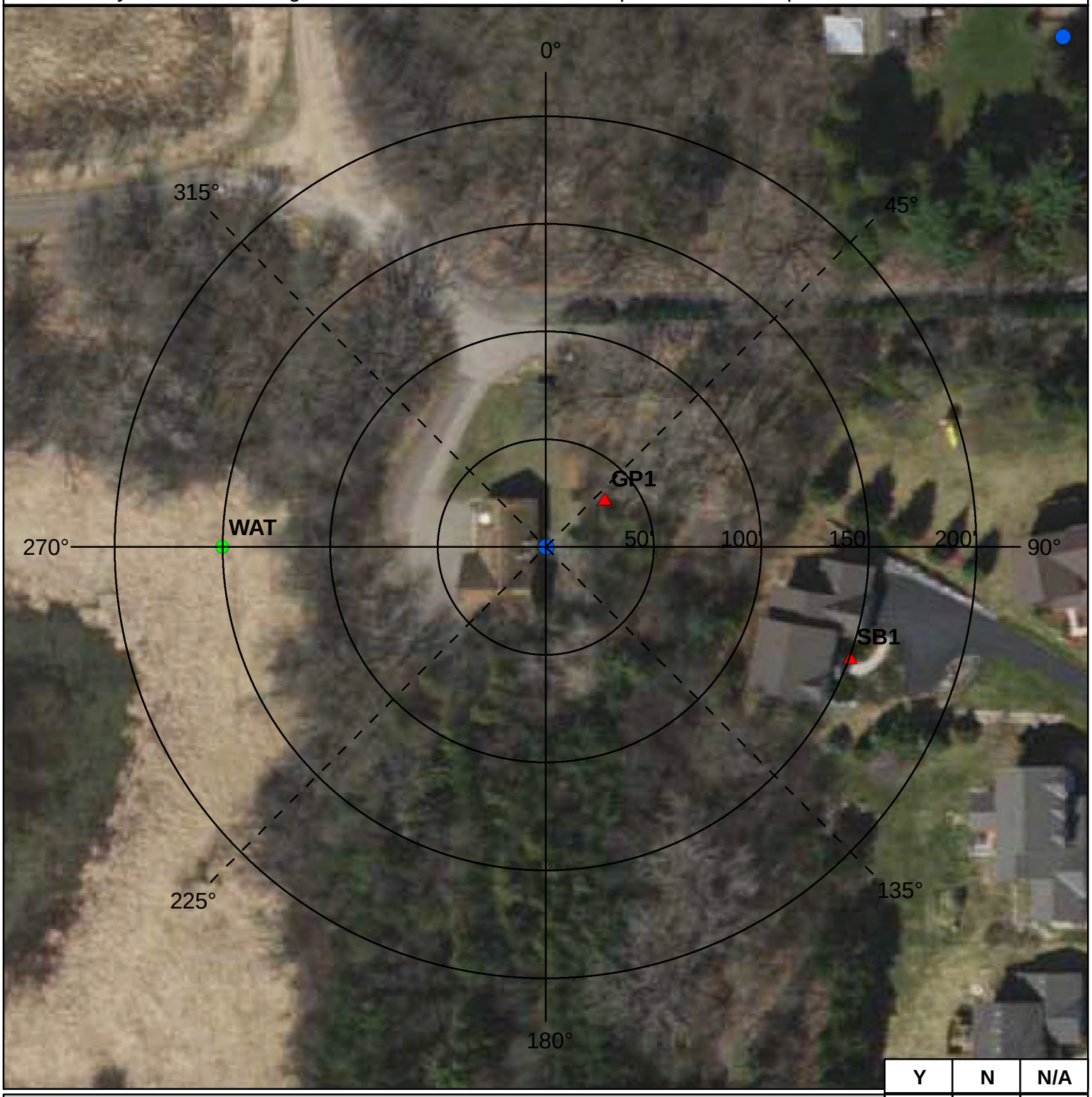
[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / FACILITY ID	1820009 S02	UNIQUE WELL NO.	603085

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			X
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	1 - 31 - 2018

PWS ID / FACILITY ID	1820009 S02	UNIQUE WELL NO.	603085

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.		
Best management practices should be employed for outdoor chemical use, to prevent stormwater from moving chemical contaminants to surface waters or where wells could be impacted.		
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Environmental Health Division
Drinking Water Protection Section
P.O. Box 64975
St. Paul, Minnesota 55164-0975

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1820009
NAME	Lake Elmo
ADDRESS	Lake Elmo Water Superintendent, 3880 Laverne Avenue, Lake Elmo, MN 55042

COMMUNITY

FACILITY (WELL) INFORMATION

NAME	Well #4
FACILITY ID	S04
UNIQUE WELL NO.	767874
COUNTY	Washington

IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?

☐ **YES** (Please attach a copy)
☐ **NO** ☐ **UNDETERMINED**

PWS ID / FACILITY ID	1820009 S04	**UNIQUE WELL NO.**	767874

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
Agricultural Related							
*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well[2] (Class V well - illegal[3])	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		
SSTS Related							
AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well)[2]	50/300/150[4]	50/300/150[4]	100/600/300[4]	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal)[2]	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal)[2]	illegal	illegal		N		

PWS ID / FACILITY ID	1820009 S04	UNIQUE WELL NO.	767874

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well[2] (Class V well - illegal[3])	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	30	Y
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)[2]	illegal[3]	illegal[3]		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		

PWS ID / FACILITY ID	1820009 S04	UNIQUE WELL NO.	767874

PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well[1]	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50[5]	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		
Additional Sources (If there is more than one source listed above, please indicate here).							
Potential Contamination Sources and Codes Based on Previous Versions of this Form							
	none found within 200' of this well.						

* New potential contaminant source.

[1] A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

[2] These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

[3] These sources are classified as illegal by Minnesota Rules, Chapter 4725.

[4] Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

[5] A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / FACILITY ID	1820009 S04	UNIQUE WELL NO.	767874

SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			
Is the system monitoring existing nonconforming sources of contamination?			

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Hoerr, Robyn	DATE	1 - 31 - 2018

PWS ID / FACILITY ID	1820009 S04	UNIQUE WELL NO.	767874

RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Minnesota Department of Health
Environmental Health in Minnesota

MDH Public Water Supply Sources Report

PWSID: **1820009**
PWS Name: **Lake Elmo**
PWS Type: **Community**
PWS Status: **Active**

Public Water Supply Sources: Information from MNDWIS and CWI (sorted by Sample Point ID)

Source Type Codes: **GW** = Ground water; **SW** = Surface water; **GUI** = Ground water under influence
Location Source: **MGS** = digitized by the MN Geological Survey; * indicates imcomplete records
O* = duplicate in Unverified Well Data; **R*** = duplicate in MNDWIS PWS Sources Removed from Flow; **S*** = duplicate in MNDWIS PWS Sources in Flow;

MNDWIS PWS SOURCES IN FLOW

Source Info							MNDWIS Data				CWI Data			
Sample Point ID	Name	Type	Availability	Status	Well No. (link to Well Log(s))	Location Info (link to Map)	Drill Year	Depth (in feet)	Case Depth (in feet)	Case Diam. (in inches)	Drill Date	Depth Completed (in feet)	Case Depth (in feet)	Case Diam. (in inches)
S01	**Well #1**	GW	Primary	Active	208448 **O***	07/29/2003 (S. Robertson)	**1961**	**808**	280	20	**04-00-1962**	**805.00**	280.00	20.00
S02	**Well #2**	GW	Primary	Active	603085	12/31/2002 (B. Bloomgren)	2001	285	182	18	09-18-2001	285.00	182.00	18.00
S03	**Well #3**	GW	Emergency	Out Long Term	655910	04/09/2002 (P. Sarafolean)	2002	422	281	0	12-30-2002	422.00	281.00	24.00

MNDWIS and CWI data value discrepancies in preceding tables are shown in **RED** (0 or null values excepted).

Unverified Wells

The following tables show information on wells whose existence (or previous existence) has not yet been confirmed.

UNVERIFIED Well Data

Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
A	Well No. 1	208448 **S***	808.0	805.0	277.0	20.0	1961	Cable Tool/Bored				Lot 6, Blk. 2, Lake Elmo Park.	Ref.: 1962 MDH San. Rtp.

Databases Searched	Remarks
County Well Index (1-mile radius); MDH DWP Microfiche; MDH 1988-2002 Muni Well Inventory; Biennial Report of the MN State Dairy and Food Commissioner-1907; Minnesota Geological Survey City Well File Folders; MGS Bulletin (22, 27, 31, or 32); MNBrew.com (breweries); MDH DWP MNDWIS; Past and Present MN Railroad Stations; Sanborn Fire Insurance Maps; MDH WELLS	This Unverified Municipal Well Inventory is as complete and thorough as possible, given available documentation. However, MDH Planners and Hydros, as well as City representatives should feel free to add or subtract from this report as necessary. Sanborn historical maps for 1927 and a later year (called 1927 Addendum), were reviewed for municipal and private wells. Those maps describe the water source as numerous private wells in town. One creamery reportedly operated in the town in 1907. The 1928 Sanborn map shows this second, smaller creamery. The Twin City Milk Producers Assn. & Powdered Skim Milk facility is shown to have had a "deep" well in 1927 and on the later year addendum map. It is not clear whether or not either of the known Twin City Milk's known wells, 208447 & 249097, match this well. A third well at the milk plant, 270200, is apparently still in use. Could this have been the well shown on the 1927 Sanborn? Can

UNVERIFIED Well Data

Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
					the city assist? Well sealing records were found for two wells at the milk plant. The 1944 MGS Bulletin 31, mentions nearby shallow wells at the Lake Elmo Village School (T29, R21, Sect. 14) and the Oakdale Lutheran Church at Horseshoe Lake (T29, R21, Sect. 30), as well as the presence of many shallow wells in the town. No additional information was found in MGS City Well files. Well sealing records were found for two wells at the plant. No breweries are reported to have operated in the town. The main railroad depot for the town was reportedly build in 1906. No record of an inter-connection between the milk plant well(s) and the PWS was found, but the possibility exists. From this review, it does not appear that there are any unverified municipal wells in need of locating and sealing in Lake Elmo.							

Unverified Well Data Compiled By: **Geoffery Nash** Compiled Date: **9/19/2013 8:25:50 AM**

Source: MN Dep't. of Health - 9/19/2013

Use of MDH Public Water Supply Sources Report

The report you have received shows three classes of Public Water Supply wells:

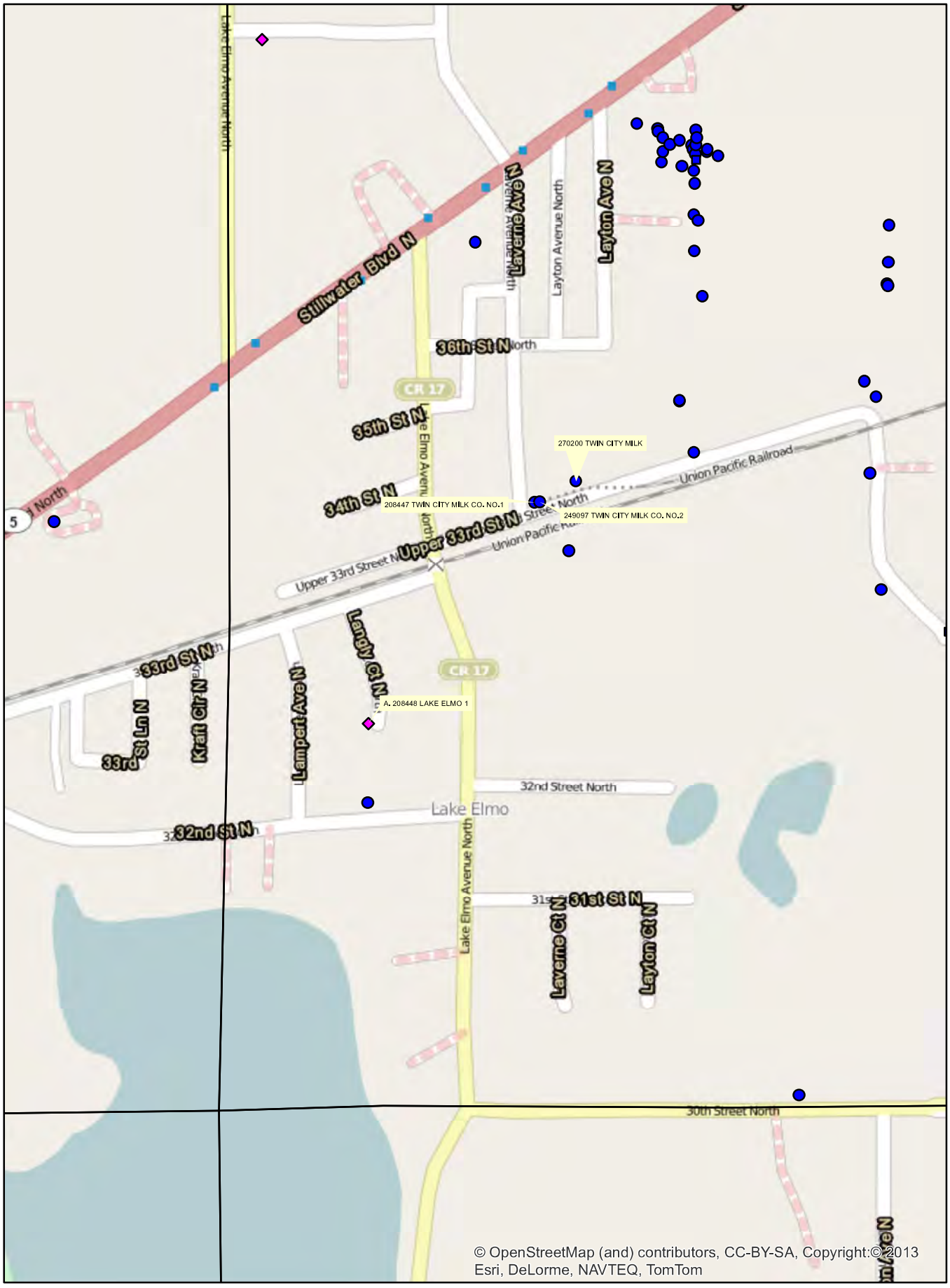
- In Use (actively used)
- Removed From Flow (for back-up or emergency use; may be disconnected from PWS)
- **Unverified Wells (unused wells with no documented location, unique ID number, and/or well sealing record)**

Unverified wells are unsealed, abandoned wells. These wells pose a risk of contamination to existing wells and aquifers. According to State Well Code and under the terms of your Wellhead Protection Plan, your PWS may need to identify, locate, and properly seal Unverified Wells within your Drinking Water Supply Management Area, to current MDH standards. While historical records may indicate that some of these wells were "capped", "abandoned", or "sealed" in the past, unless it can be shown that the sealing was performed to current standards, they may need to be located, cleaned out, and sealed properly with a well sealing record issued.

The report lists database references that were searched to compile the report. Under "Remarks" are notes and questions to help you with this process. State grant funding is available to help fund sealing of these old public water supply wells.

If you have questions, please talk to your MDH Planner or Hydrologist to address your PWS's specific issues. This report is not intended to be the "last word" on the status of unverified wells and your input will be critical in successfully finding and sealing these potential sources of contamination.

Restart


Stillwater Blvd N
Laverne Ave N
Layton Ave N
Layton Avenue North
36th St N
CR 17
35th St N
Lake Elmo Avenue North
270200 TWIN CITY MILK
Union Pacific Railroad
34th St N
208447 TWIN CITY MILK CO. NO.1
249097 TWIN CITY MILK CO. NO.2
Upper 33rd St N
Upper 33rd Street North
33rd St N
Lampert Ave N
A. 208448 LAKE ELMO 1
33rd St Ln N
Kraft Cir N
32nd Street North
Lake Elmo
32nd St N
Lake Elmo Avenue North
31st St N
Laverne Ct N
Layton Ct N
30th Street North
© OpenStreetMap (and) contributors, CC-BY-SA, Copyright:© 2013 Esri, DeLorme, NAVTEQ, TomTom

1988-2002 MDH OMW Inventory, 1Suite

A

WRD Exp. (CW) April 1966

Well No. 29.21.13 dbc 3 LEQ

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR — GEOLOGICAL SURVEY — WATER RESOURCES DIVISION

PUNCHED and VERIFIED — ROLLA COMPUTATION BRANCH — AMS 1105,000

208448 *

MASTER CARD

Record by B. Hassinger — Source of data USGS Rec. — Date 17 Jun 67 — Map LAKE ELMO - 7.5

State X 27 — County (or town) Washington 82

Latitude: 44 59 51 N — Longitude: 92 52 51 — Sequential number: 1

Lat-long accuracy: 1 — T. 29 N — R. 21 W — Sec. 13 — SE ¼, NW ¼, SE ¼ — B & M

Local well number: 29N21W13CBC3 — Other number:

Local use: — Owner or name: Village of Lake Elmo

Owner or name: LAKE ELMO — Address: 3303 Langdon Ct. North

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist — P.A. 61-102 — M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Inatic, (U) Housed, (V) Repressure, (W) Recharge, (X) Desal-P S, (Z) Desal-other, Other — P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Rec, (O) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed — W

DATA AVAILABLE: Well data 1 — Freq. W/L meas.: — I — Field aquifer char.

Hyd. lab. data: — P

Qual. water data: type: — Pumpage inventory: yes — no. period:

Freq. sampling: — Aperture cards: — D

Log data: USGS Rec

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 808 ft — 1808 Meas. — rept — accuracy 3

Depth cased: (first perf.) 279.6 ft — 280 — Casing type: steel — Diam. 20 in — 20

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., screen, sd. pt., (S) shored, (X) open hole, (Z) other — X

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other — C

Date Drilled: 4/6.2 — 462 — Pump intake setting: 155.5 ft — 155

Driller: Keys (name) — address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.), (M) multiple, (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other — T — Deep/Shallow 0

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 50 — nat LP — V — Trans. or meter no.

Descrip. MP — ft above below LSD, Alt. MP

Alt. LSD: — 940 — Accuracy: (source) — 3

Water Level 98 ft above below MP; Ft below LSD — 102 — Accuracy: — A

Date meas.: 4/6/6 — Yield: 800 gpm — 800 — Method determined

Drawdown: 43 ft — 43 — Accuracy: — 3 — Pumping period hrs

QUALITY OF WATER DATA: Iron ppm — Sulfate ppm — Chloride ppm — Hard. ppm — Date sampled

Sp. Conduct K x 10^6 — Temp. °F

Taste, color, etc.

Well No. 29.21.13 CBC 3

940 − 102 = 838 W.L. 102.45 4/6/66

1988-2002 MDH OMW Inventory, 1Suite
A
Appendix V - City of Lake Elmo

WELL LOG

Geologic Formations Kind, Color, Hard or Soft	Thickness of Formation	Depth in Feet From	Depth in Feet To	Casing Diam.	Water Conditions Found
Platform	3	0	3		
Sandy clay	12	3	15		
Sand	20	15	35		
Sand and gravel	40	35	75		PLEISTOCENE
Clay, brown	10	75	85		
Clay, blue	15	85	100		
Clay, brownish-red L-8	15	100	115		
Hardpan	10	115	125		
Fine sand	15	155	170		
Rock and clay	55	170	225		
Clay, gravel and rock L-9	35	225	260		
Sandrock	15	260	275	CSON	
Sandrock and shale	35	275	310		
Shale	95	310	405		
Shale and sandrock	168	405	573		UNDIFF
Shale and some sandrock	112	573	685		
Sandrock and shale	66	685	751		
Sandrock	57	751	808		

940

935
860
665

Very low L-17
Multiple Aquifer
CFRN- CMTS

275
60
335 top CF
160
495 top Cig
55
550 top Cdr
90
640 top Cmw

Indicate Size, Type, & Location of Any Screens, Gravel Packs, Grouting, or Other Development

I hereby certify that, to the best of my knowledge, the data presented in this statement is a true and correct representation of conditions encountered in the construction of this well.

Dated at _____ this _____ day of _____, 19__.

(Firm Name) _____

By _____

Title _____

1988-2002 MDH OMW Inventory, 1Suite

CITY OF LAKE ELMO

City of Lake Elmo

777-5510

3800 Laverne Avenue North / Lake Elmo, Minnesota 55042

FEB 1991 RECEIVED WS&GE

February 4, 1991

Mr. Richard D. Clark, Supervisor
Minnesota Department of Health
925 S. E. Delaware St.
P. O. Box 59040
Minneapolis, MN 55459-0040

Dear Mr. Clark:

Enclosed is the City of Lake Elmo's sample siting plan for coliform testing. The sites numbered on the map have the following addresses:

1. Lake Elmo City Office - 3800 Laverne Ave. N.
2. Lake Elmo Park Shelter - 3511 Laverne Ave.
3. Town Homes - 3030 Lisbon
4. Residential Homes in Area - 10941 32nd
5. Well House & Tower - 3303 Langly Court

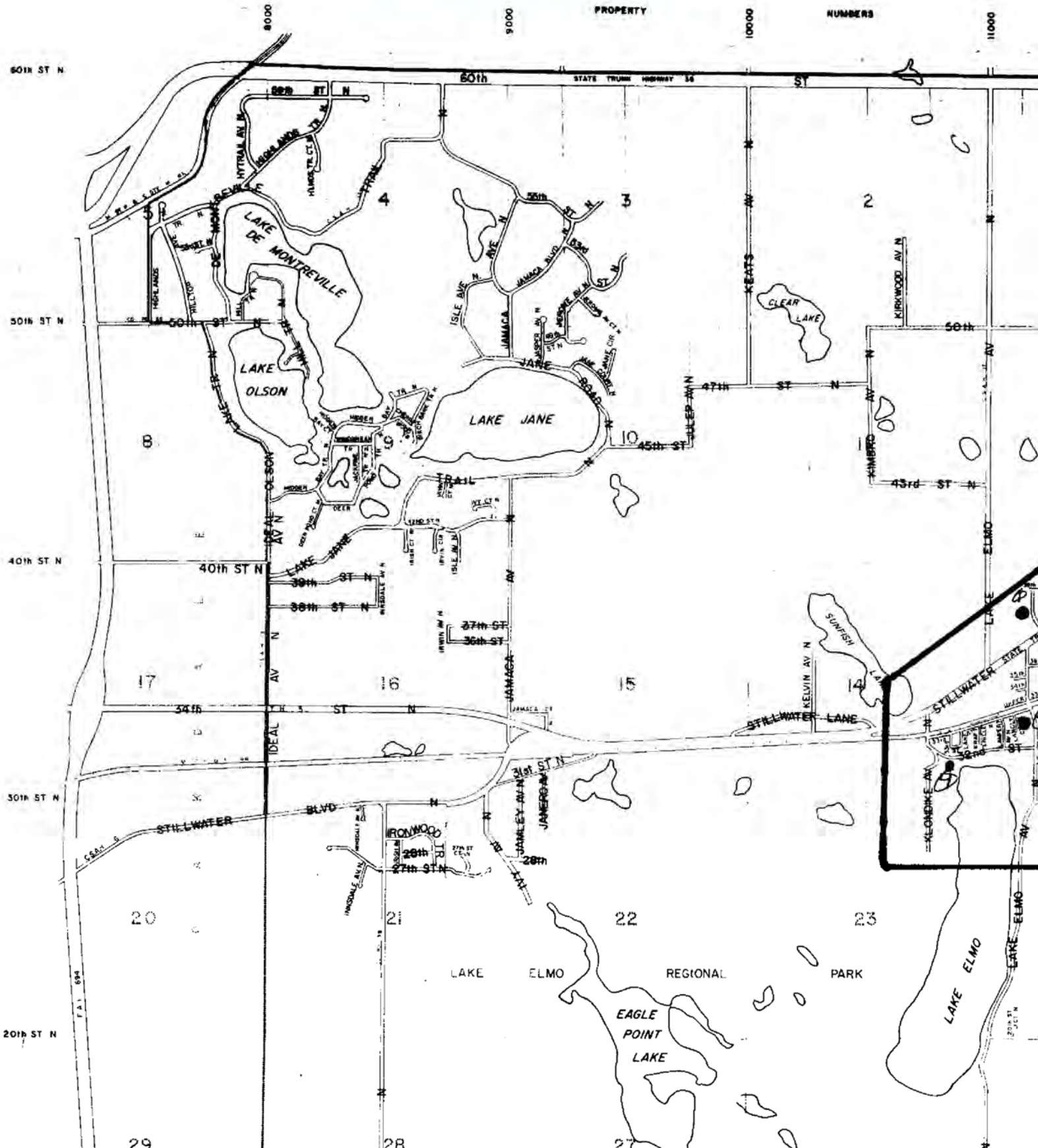
Sincerely,

Michael Bouthilet
Water Supply Operator
City of Lake Elmo

enc.

b

1988-2002 MDH OMW Inventory, 1Suite



Appendix V - City of Lake Elmo

		THICKNESS (feet)
Hudson Member		
4. Sandstone, white, massive, fine-grained, cross-bedded, with some fine grains of glauconite		18.7
3. Sandstone, gray, mostly covered		5.0
2. Sandstone, gray to buff, fairly massive, fine- to medium-grained, well shown in small quarry near ferry. Trilobites abundant. The *Ptychaspis* zone		23.8
1. Sandstone, dolomitic, gray to red-brown, thin-bedded, laminated, with interbedded gray shales and shaly partings. Trilobite fragments occasionally found to river level (677 ft. A.T.)		15.4

A well 140 feet deep, located on top of the hill near the depot, at an elevation of 948 feet, penetrates 100 feet of drift and alluvium and enters yellow and white sandstone (Jordan) to a depth of 40 feet.

A farm well 172 feet deep, southwest of the village in Sec. 14, T. 131 N., R. 20 W., penetrates 80 feet of drift and 92 feet of white and yellow (Jordan) sandstone. The static level is 40 feet below the surface.

Hugo

The village of Hugo has a drift well 82 feet deep, which is pumped at the rate of 5 gallons per minute. There are many driven private wells.

Lake Elmo

There are many shallow dug, bored, and driven wells in the village of Lake Elmo. The following logs give the succession of rock formations.

Well at Lake Elmo Village School, Sec. 14, T. 29 N., R. 21 W. Elevation 930± ft.

		DEPTH (feet)	THICKNESS (feet)
Drift	Unclassified	0–110	110±
Shakopee-Oneota	Limestone	110–120	10+

Well at Oakdale Lutheran Church, Horseshoe Lake, Southeast of Elmo Lake, Sec. 30, T. 29 N., R. 21 W. Elevation 880± ft.

		DEPTH (feet)	THICKNESS (feet)
Drift	Unclassified	0–75	75
Shakopee-Oneota	Yellow limestone	75–200	
	Streak of sand	200–204	
	Hard blue dolomite	204–208	133
Jordan	Soft sandstone	208–211	
	Hard sandstone	211–216	
	White sandstone	216–235	27+

Cottage Grove

This village has no public water supply system. The following logs of private wells show the formations under the glacial drift in this region.

Well of Raymond Robert, Cottage Grove, NW 1/4, Sec. 12, T. 27 N., R. 21 W. Elevation 965 ft.

		DEPTH (feet)	THICKNESS (feet)
Drift	Unclassified	0–126	126
Platteville	Limestone	126–140	14

A

Minnesota Unique Well No. **208448**

County Washington
Quad Lake Elmo
Quad ID 102B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
Minnesota Statutes Chapter 103I

Entry Date 07/11/1989
Update Date 08/03/2012
Received Date

Well Name LAKE ELMO 1

Township	Range	Dir	Section	Subsections	Elevation	Elevation Method
29	21	W	13	CBCDA	935 ft.	7.5 minute topographic map (+/- 5 feet)

Well Depth	Depth Completed	Date Well Completed
805 ft.	805 ft.	04/00/1962

Drilling Method Cable Tool

Well Address
3303 LANGLY CT
LAKE ELMO MN 55042

Drilling Fluid --

Well Hydrofractured? ☐ Yes ☐ No
From Ft. to Ft.

Use Community Supply **PWS ID** 1820009 **Source** S01

Geological Material	Color	Hardness	From	To
SANDY CLAY			0	12
SAND			12	32
SAND & GRAVEL			32	72
CLAY	BROWN		72	82
CLAY	BLUE		82	97
CLAY, BROWNISH-RED			97	112
HARDPAN			112	152
FINE SAND			152	167
ROCK & CLAY			167	222
CLAY, GRAVEL & ROCK			222	253
CLAY, GRAVEL & ROCK			253	257
SANDROCK			257	272
SANDROCK & SHALE			272	297
SANDROCK & SHALE			297	307
SHALE			307	345
SHALE			345	402
SHALE & SANDROCK			402	513
SHALE & SANDROCK			513	570
SHALE & SOME SANDROCK			570	669
SHALE & SOME SANDROCK			669	682
SANDROCK & SHALE			682	748
SANDROCK			748	805

Casing Type Steel (black or low carbon) **Joint** Welded **Drive Shoe?** ☐ Yes ☐ No **Above/Below** ft.

Casing Diameter	Weight	Hole Diameter
20 in. to 280 ft.	lbs./ft.	20 in. to 805 ft.

Open Hole from 280 ft. to 805 ft.

Screen NO **Make** **Type**

Diameter	Slot/Gauze	Length	Set Between

Static Water Level
98 ft. from Land surface Date Measured 04/00/1962

PUMPING LEVEL (below land surface)
141 ft. after hrs. pumping 800 g.p.m.

Well Head Completion
Pitless adapter manufacturer Model
☐ Casing Protection ☑ 12 in. above grade
☐ At-grade (Environmental Wells and Borings ONLY)

REMARKS
GAMMA LOGGED & TV 11-30-1998.

Grouting Information Well Grouted? ☑ Yes ☐ No

Grout Material: Neat Cement from 0 to 280 ft.

Located by: Minnesota Department of Health
Method: GPS Differentially Corrected

Unique Number Verification: Information from owner
Input Date: 07/29/2003

System: *UTM - Nad83, Zone15, Meters*
X: 509382 **Y:** 4982596

Nearest Known Source of Contamination
_feet _direction _type
Well disinfected upon completion? ☐ Yes ☐ No

Pump ☑ Not Installed Date Installed
Manufacturer's name Model number __ HP _ Volts
Length of drop Pipe _ft. Capacity _g.p.m Type Turbine Material

Abandoned Wells Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No

Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No

Borehole Geophysics Yes
First Bedrock Jordan Sandstone
Last Strat Mt.Simon Sandstone
Aquifer Jordan-Mt.Simon
Depth to Bedrock 253 ft.

Well Contractor Certification

License Business Name	Lic. Or Reg. No.	Name of Driller
Keys Well Co.	62012	JOHNSON, R.

County Well Index Online Report **208448** Printed 9/19/2013
HE-01205-07

Minnesota Unique Well No. **208447**

County Washington
Quad Lake Elmo
Quad ID 102B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes Chapter 103I

Entry Date 03/01/1989
Update Date 08/03/2012
Received Date

Well Name TWIN CITY MILK CO. NO.1

Township Range Dir Section Subsections Elevation 938 ft.

29	21	W	13	CBAADA	**Elevation Method**	7.5 minute topographic map (+/- 5 feet)

Well Depth	Depth Completed	Date Well Completed
416 ft.	416 ft.	11/00/1949

Drilling Method Cable Tool

Well Address
LAVERENE AV
LAKE ELMO MN 55042

Drilling Fluid --

Well Hydrofractured? ☐ Yes ☐ No
From Ft. to Ft.

Use Abandoned **Status** Sealed

Geological Material	Color	Hardness	From	To
FILL			0	7
DIRT	BLACK		7	10
SANDY CLAY			10	40
DIRTY FINE SAND			40	60
SANDY CLAY			60	75
FINE SAND			75	85
SAND & GRAVEL & ROCK			85	101
SANDY CLAY			101	105
SAND & GRAVEL			105	123
SANDY CLAY			123	128
FINE SAND			128	150
DRIFT			150	179
SHAKOPEE			179	258
JORDAN			258	416

Casing Type Steel (black or low carbon) **Joint** Welded **Drive Shoe?** ☑ Yes ☐ No **Above/Below** 1 ft.

Casing Diameter	Weight	Hole Diameter
24 in. to 106 ft.	lbs./ft.	
10 in. to 179 ft.	lbs./ft.	

Open Hole from 179 ft. to 416 ft.

Screen NO **Make** **Type**

Diameter	Slot/Gauze	Length	Set Between

Static Water Level
54 ft. from Land surface Date Measured 11/00/1949

PUMPING LEVEL (below land surface)
203 ft. after hrs. pumping 247 g.p.m.

Well Head Completion
Pitless adapter manufacturer Model
☐ Casing Protection ☐ 12 in. above grade
☐ At-grade (Environmental Wells and Borings ONLY)

REMARKS
WELL SEALED BY KEYS WELL CO. 9-13-1988.
WELL SEALING NO. W-94036. ORIGINAL USE: INDUSTRY.
NOW CALLED LAKE ELMO'S HARDWOOD LUMBER.

Grouting Information Well Grouted? ☐ Yes ☐ No

Located by: Minnesota Geological Survey
Method: Digitization (Screen) - Map (1:24,000)
Unique Number Verification: Information from owner
Input Date: 02/03/2009
System: *UTM - Nad83, Zone15, Meters*
X: 509588 **Y:** 4982869

Nearest Known Source of Contamination
__feet __direction __type
Well disinfected upon completion? ☐ Yes ☐ No

Pump ☑ Not Installed Date Installed
Manufacturer's name WORTHINGTON Model number F13314B5
__ HP 7.5 Volts 220
Length of drop Pipe 106 ft. Capacity __g.p.m Type Material

Abandoned Wells Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No

Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No

First Bedrock Prairie Du Chien Group
Last Strat Jordan Sandstone
Aquifer Prairie Du Chien-Jordan
Depth to Bedrock 179 ft.

Well Contractor Certification

Keys Well Co.	62012	JOHNSON, R.
License Business Name	Lic. Or Reg. No.	Name of Driller

County Well Index Online Report

208447

Printed 9/19/2013
HE-01205-07

STATE OF MINNESOTA DEPARTMENT OF HEALTH

ABANDONED WELL RECORD

W94036

MINNESOTA UNIQUE WELL NO. (leave blank if not known)

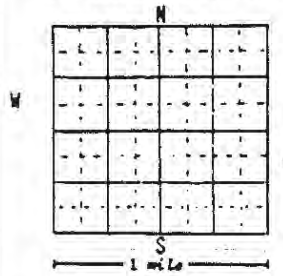
1. LOCATION OF WELL

County Name: Washington

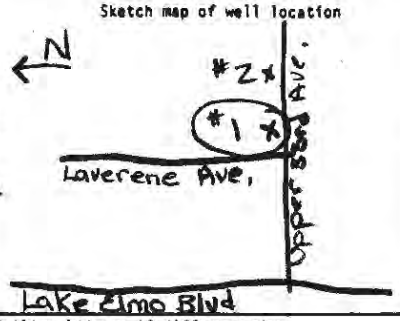
Township Name	Township Number N or S	Range Number E or W	Section No.	Fraction ¼ ¼ of ¼
Lake Elmo				

Numerical Street Address and City of Well Location or Distance from Road Intersection: Upper 33rd Street North & Laverene Avenue Lake Elmo, MN

Show exact location of well (in section grid with "X")



Sketch map of well location



2. PROPERTY OWNER'S NAME

Lake Elmo's Hardwood Lumber

Mailing Address if different than property address indicated above: P.O. Box 175, Lake Elmo, MN 55042

3. FORMATION LOG (If not known, indicate formation log from new well or nearby well.)

FORMATION LOG	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	179
Shakopee			179	316
Jordan			316	416

4. WELL DEPTH (completed): 416 ft. Date sealed: 9/13/88

5. DRILLING METHOD (if known)

1 [X] Cable tool 2 [ ] Hollow Rod 3 [ ] Rotary 4 [ ] Reverse 5 [ ] Air 6 [ ] Jetted 7 [ ] Driven 8 [ ] Bored 9 [ ] Power Auger 10 [ ] Dug 11 [ ] _____

6. OBSTRUCTIONS

Well obstructed [ ] Yes [X] No

Obstructions removed [ ] Yes [ ] No If obstructions cannot be removed, contact MDH before sealing.

7. USE

1 [ ] Domestic 2 [ ] Irrigation 3 [ ] Test Well 4 [ ] Monitoring 5 [ ] Public 6 [ ] Municipal 7 [ ] Air Conditioning 8 [ ] Heat Loop 9 [X] Industry 10 [ ] Commercial 11 [ ] _____

8. CASING(S)

1 [X] Black 2 [ ] Galv. 3 [ ] Plastic 4 [ ] Threaded 5 [ ] Welded 6 [ ] Stainless Steel 7 [ ] _____

24 in. to 106 ft.

10 in. to 119 ft.

9. SCREEN

[ ] Screened well from ____ ft. to ____ ft.

[X] Open Hole from 119 ft. to 416 ft. (If known)

10. STATIC WATER LEVEL

109 ft. [X] below [ ] above land surface Date Measured 9/13/88

11. WELLHEAD COMPLETION

1 [ ] Pitless Adapter 2 [X] Basement offset 3 [ ] Well Pit 4 [ ] Found Buried 5 [ ] _____

12. GROUTING INFORMATION

1 [X] Neat Cement 2 [ ] Bentonite 3 [ ] _____

Grout material: Grout from 0 to 416 ft. cu. yds 3 4

9 4/4 (see W94035)

13. NEAREST SOURCES OF CONTAMINATION

____ feet _____ direction None. type

Well disinfected before sealing? [X] Yes

14. PUMP

[X] Removed [ ] Not Present

Type: 1 [ ] Submersible 2 [ ] Jet 3 [ ] L.S. Turbine 4 [ ] Centrifugal 5 [ ] Reciprocating 6 [ ] _____

15. EXISTING WELLS (Please sketch locations of abandoned and active wells in remarks section or on back.)

Other unused well(s) on property? [ ] Yes [ ] No

Abandoned: [X] Permanent [ ] Temporary [ ] Not sealed

16. REMARKS, ELEVATION, SOURCE OF DATA - CASINGS REMOVED, CASINGS PERFORATED, ETC.

Original Well drillied for: (1949)

Twin City Milk Company
Lake Elmo, MN



17. WATER WELL CONTRACTORS CERTIFICATION

This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.

Keys Well Drilling Co. 62012
Licensee Business Name License No.

413 N. Lexington Parkway
Address St. Paul, MN 55104

Signed _____ Date 10-10-88
George H. Keys
Name of Driller

Date _____

OFFICIAL ABANDONED WELL RECORD (May be used for Property Transfer)

IMPORTANT: FILE WITH DEED

Minnesota Unique Well No. **249097**

County Washington
Quad Lake Elmo
Quad ID 102B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Minnesota Statutes Chapter 103I

Entry Date 09/15/2006
Update Date 09/19/2011
Received Date

Well Name TWIN CITY MILK CO. NO.2

Township Range Dir Section Subsections Elevation 931 ft.

29	21	W	13	CBAADA	Elevation Method	7.5 minute topographic map (+/- 5 feet)

Well Depth	Depth Completed	Date Well Completed
90 ft.	90 ft.	

Drilling Method Cable Tool

Well Address
LAVERENE AV
LAKE ELMO MN 55042

Drilling Fluid --

Well Hydrofractured? ☐ Yes ☐ No From Ft. to Ft.

Use Abandoned **Status** Sealed

Geological Material	Color	Hardness	From	To
DRIFT			0	90

Casing Type Steel (black or low carbon) **Joint** No Information **Drive Shoe?** ☐ Yes ☐ No **Above/Below** ft.

Casing Diameter	Weight	Hole Diameter
6 in. to 80 ft.	lbs./ft.	

Open Hole from ft. to ft.

Screen YES **Make** **Type**

Diameter	Slot/Gauze	Length	Set Between
			80 ft. and 90 ft.

Static Water Level
51 ft. from Land surface Date Measured 09/13/1988

PUMPING LEVEL (below land surface)
ft. after hrs. pumping g.p.m.

Well Head Completion
Pitless adapter manufacturer Model
☐ Casing Protection ☐ 12 in. above grade
☐ At-grade (Environmental Wells and Borings ONLY)

REMARKS
WELL SEALED BY KEYS WELL CO. 9-13-1988.
WELL SEALING NO. W-94035. ORIGINAL USE: INDUSTRY.
NOW CALLED LAKE ELMO'S HARDWOOD LUMBER.

Grouting Information Well Grouted? ☐ Yes ☐ No

Located by: Minnesota Geological Survey

Method: Digitization (Screen) - Map (1:24,000)

Unique Number Verification: Other, note in remarks

Input Date: 02/03/2009

System: *UTM - Nad83, Zone15, Meters*

X: 509594 **Y:** 4982869

Nearest Known Source of Contamination
__feet __direction __type
Well disinfected upon completion? ☐ Yes ☐ No

Pump ☐ Not Installed Date Installed
Manufacturer's name Model number __ HP _ Volts
Length of drop Pipe _ft. Capacity _g.p.m Type Material

Abandoned Wells Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No

Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No

Well Contractor Certification

First Bedrock

Last Strat Quaternary deposit

Aquifer Quaternary Undiff.

Depth to Bedrock ft.

License Business Name | Lic. Or Reg. No. | Name of Driller

County Well Index Online Report **249097** Printed 9/19/2013
HE-01205-07

STATE OF MINNESOTA DEPARTMENT OF HEALTH

ABANDONED WELL RECORD

W94035

MINNESOTA UNIQUE WELL NO. (leave blank if not known)

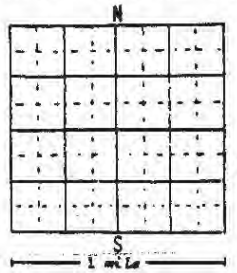
1. LOCATION OF WELL

County Name: Washington

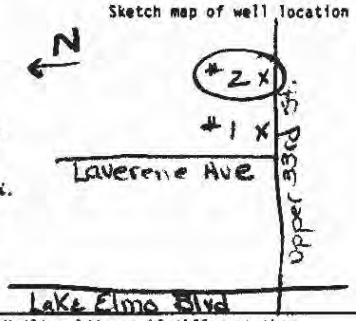
Township Name	Township Number N or S	Range Number E or W	Section No.	Fraction ¼ ¼ of ¼
Lake Elmo				

Numerical Street Address and City of Well Location or Distance from Road Intersection: Upper 33rd Street North & Laverne Avenue, Lake Elmo, MN

Show exact location of well (in section grid with "X")



Sketch map of well location



2. PROPERTY OWNER'S NAME

Lake Elmo Hardwood Lumber

Mailing Address if different than property address indicated above: P.O. Box 175, Lake Elmo, MN 55042

3. FORMATION LOG — If not known, indicate formation log from new well or nearby well.

FORMATION	COLOR	HARDNESS OF FORMATION	FROM	TO
Drift			0	90

4. WELL DEPTH (completed): 90 ft. — Date sealed: 9/13/88

5. DRILLING METHOD (if known)

1 [X] Cable tool 2 [ ] Hollow Rod 3 [ ] Rotary 4 [ ] Reverse 5 [ ] Air 6 [ ] Jetted 7 [ ] Driven 8 [ ] Bored 9 [ ] Power Auger 10 [ ] Dug 11 [ ] _____

6. OBSTRUCTIONS

Well obstructed [ ] Yes [X] No

Obstructions removed [ ] Yes [ ] No — If obstructions cannot be removed, contact MDH before sealing.

7. USE

1 [ ] Domestic 2 [ ] Irrigation 3 [ ] Test Well 4 [ ] Monitoring 5 [ ] Public 6 [ ] Municipal 7 [ ] Air Conditioning 8 [ ] Heat Loop 9 [X] Industry 10 [ ] Commercial 11 [ ] _____

8. CASING(S)

1 [X] Black 2 [ ] Galv. 3 [ ] Plastic 4 [ ] Threaded 5 [ ] Welded 6 [ ] Stainless Steel 7 [ ] _____

6 in. to 80 ft.

_____ in. to _____ ft.

9. SCREEN

[X] Screened well from 80 ft. to 90 ft. (If known)

[ ] Open Hole from ____ ft. to ____ ft.

10. STATIC WATER LEVEL

51 ft. [X] below [ ] above land surface — Date Measured 9/13/88

11. WELLHEAD COMPLETION

1 [ ] Pitless Adapter 2 [X] Basement offset 3 [ ] Well Pit 4 [ ] Found Buried 5 [ ] _____

12. GROUTING INFORMATION

1 [X] Neat Cement 2 [ ] Bentonite 3 [ ] _____

Grout material: Grout from 0 to 90 ft. cu. yds. 9½ 3/4 (see W94034)

13. NEAREST SOURCES OF CONTAMINATION

____ feet _____ direction None type

Well disinfected before sealing? [X] Yes

14. PUMP

[X] Removed [ ] Not Present

Type: 1 [ ] Submersible 2 [ ] Jet 3 [ ] L.S. Turbine 4 [ ] Centrifugal 5 [ ] Reciprocating 6 [ ] _____

15. EXISTING WELLS (Please sketch locations of abandoned and active wells in remarks section or on back.)

Other unused well(s) on property? [ ] Yes [ ] No

Abandoned: [X] Permanent [ ] Temporary [ ] Not sealed

16. REMARKS, ELEVATION, SOURCE OF DATA - CASINGS REMOVED, CASINGS PERFORATED, ETC.



17. WATER WELL CONTRACTORS CERTIFICATION

This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.

Keys Well Drilling Co. — 62012 (Licensee Business Name / License No.)

413 North Lexington Parkway, St. Paul, MN 55104 (Address)

Signed George H. Keys — Date 10-10-88

Name of Driller — Date _____

OFFICIAL ABANDONED WELL RECORD (May be used for Property Transfer)

IMPORTANT: FILE WITH DEED

Lake Elmo

11/19/62

to

8/27/81

1-24-63

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
November 19 and December 26, 1962

This water supply is obtained from a drilled well. The water from the well is pumped directly into the distribution system. A 75,000 gallon elevated steel tank receives the overflow and maintains pressure on the system.

Location of Source

The well and elevated tank are located on Lot 6, Block 2, Lake Elmo Park. As far as could be determined at the time of the investigation, this site is adequately isolated from possible sources of contamination. Surface drainage is away from the well.

Well, Pump and Pumphouse

A Well No. 1 is a 20-inch drilled well. The well is provided with approximately 277 feet of 20-inch steel pipe casing which extends through the drift and Jordan sandstone and into the Dresbach formation. A 20-inch open hole extends an additional 528 feet to a total depth of 805 feet. The reported log of the well is as follows:

		Depth (ft.)	Thickness (ft.)
Drift	Sandy clay	0 - 12	
	Sand	12 - 32	
	Sand & gravel	32 - 72	
	Clay	72 - 112	
	Hardpan	112 - 152	
	Fine sand	152 - 167	
	Clay & gravel	167 - 247	247
Jordan	Sandstone	247 - 272	25
St. Lawrence, Franconia & Dresbach	Sandstone, siltstone & shales	272 - 682	410
Hinckley	Sandstone	682 - 805	123

Water is drawn from the well by means of a water lubricated, vertical turbine pump which is rated at approximately 500 gallons per minute and

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL SANITATION

ANALYTICAL DATA

Samples Collected By R. M. Hutchison

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
[a] 4032	Lake Elmo, Washington Co.	Pumphouse - Pump Discharge - Well No. 1 A
[b] 4033		850 Lake Elmo Road - Dist. System - K.T.
[c] 4034		542 Lake Elmo Road - Dist. System - K.T.
[d] 4645		850 Lake Elmo Road - Dist. System - K.T.
[e]		
[f]		

Sample Number	[a] 4032	[b] 4033	[c] 4034	[d] 4645	[e]	[f]
Date Collected	11-19-62	- - - - - -	- - - - - -	12-26-62		
Time Collected						
Temperature °F						
Date Received by Lab.	11-19-62	- - - - - -	- - - - - -	12-26-62		
BACTERIAL: Exam. by						
Bacteria per ml. 35° C. 24 hours						
Coliform group organisms (100 ml. M.F. / M.P.N. per 100 ml.)	0	25	0	0		
*PHYSICAL & CHEMICAL: Exam. by						
Settleable solids ml. per liter						
Total Solids	190					
Volatile Matter						
Suspended Solids						
Suspended Volatile Matter						
Turbidity						
Color						
Total hardness as $CaCO_3$	170					
Alkalinity as $CaCO_3$	170					
pH value	7.2					
Iron	1.1					
Manganese	< .02					
Chlorides	< .5					
Residual Chlorine						
Sulphates	4.3					
Fluorides	.18					
Dissolved Oxygen						
Biochemical Oxygen Demand (five-day)						
Phosphorus						
Ammonia Nitrogen						
Organic Nitrogen						
Nitrite Nitrogen						
Nitrate Nitrogen	< 1					
Surfactant as ABS	not found					
Calcium as $CaCO_3$	100					
pH of Stability	8.0					
M.F.--Membrane Filter						
< --Less Than						

* *Results are in milligrams per liter except as noted.*

11-3-64

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
September 30, 1964

Date of last investigation - November 19 and December 26, 1962

Rating at last investigation - 91

Changes since last investigation - The distribution system has been extended and now consists of approximately 22,840 feet of cast-iron slip-joint water pipe (4,290 feet of 8-inch and 18,550 feet of 6-inch), 40 hydrants and 100 services.

Analytical data - (see attached sheet)

Samples Nos. 5372 and 1561 - 1563, inclusive, represent water collected from the well and from three points on the distribution system. The bacteriological examination of these samples showed the water to be of satisfactory sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be very low in nitrate nitrogen. Surfactant (detergent) was not found.

Recommendations

1. Consideration should be given to the development of an auxiliary source of supply which would also serve as a standby source for use in emergencies and in the event the first well should be shut down for repairs.

2. The pumpbase should be provided with adequate drainage to eliminate the accumulation of water at this point.

3. Consideration should be given to the adoption of the Minnesota Plumbing Code together with a system of permits and inspection. (The Code may be adopted by reference.) This would further safeguard the water supply from contamination resulting from plumbing which may be improperly designed or installed.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL SANITATION

ANALYTICAL DATA

Samples Collected By Robert M. Hutchison

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a 5372	Lake Elmo, Washington County	Mcpl.W.S. - Well No. 1 - Pump discharge A
b 1561		" - Twin Point Tavern - K.T.
c 1562		" - Elem. School - L.T.
d 1563		" - Roy Lohman res. - K.T.
e		
f		

Sample Number	a 5372	b 1561	c 1562	d 1563	e	f
Date Collected	9/30/64					
Time Collected	11:30					
Temperature °F						
Date Received by Lab.	10/1/64					
BACTERIAL: Exam. by						
Bacteria per ml. 35° C. 24 hours						
Coliform group organisms — 100 ml. M.F. / M.P.N. per 100 ml.	0	0	0	0		
* SICAL & CHEMICAL: Exam. by						
Settleable solids ml. per liter						
Total Solids						
Total Volatile Matter						
Suspended Solids						
Suspended Volatile Matter						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron						
Manganese						
Chlorides						
Residual Chlorine						
Sulphates						
Fluorides						
Dissolved Oxygen						
Biochemical Oxygen Demand — five-day						
Phosphorus						
nia Nitrogen						
anic Nitrogen						
Nitrite Nitrogen						
Nitrate Nitrogen	< 1					
Surfactant as ABS	Not found					
Calcium as $CaCO_3$						
M.F.--Membrane Filter						
< --Less Than						

* *Results are in milligrams per liter except as noted.*

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
December 3, 1968

Date of Last Investigation - September 30, 1964

Rating at Last Investigation - 90

Changes Since Last Investigation - An addition of 900 feet of 6-inch main has been added on the distribution system.

Analytical Data - (see attached sheet)

Samples Nos. 1686 - 1688, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be moderately hard and very low in iron, manganese, chlorides, and sulfates. The nitrate nitrogen content was found to be less than one milligram per liter. Surfactant, a constituent of household detergents, was not present in a determinable amount. The fluoride content was 0.19 milligrams per liter which is below the range of 0.9 to 1.5 milligrams per liter recommended for the control of dental caries (tooth decay). The pH of the water, when considered together with the alkalinity and calcium content, indicates that the water has a corrosive tendency.

Recommendations -

1. The pumphouse should be used only for water supply purposes. Articles not essential to the operation of the water system should be stored elsewhere.

2. Consideration should be given to the development of an auxiliary source of supply which would also serve as a standby source for use in emergencies and in the event the first well should be shut down for repairs.

3. Consideration should be given to the adoption of the Minnesota Plumbing Code

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David Fridgen, District VI

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Lake Elmo, Washington Co.	Well #1, P.D., MWS A
b	" " "	Well #1, P.D., MWS
c	" " "	Our Own Hardware, S.T., MWS
d	" " "	Skelly Service Station, H.B., MWS
e		
f		

This line for Lab use only. Sample Number	a 6764	b 1686	c 1687	d 1688	e	f
Date Collected	12/3/68	- - - - - -	- - - - - -	- - - -		
Time Collected						
Temperature °F						
Date Received by Lab.						
Bacteria per ml. 35° C. 24 hours						
Coliform group organisms — M.F. per 100 ml.						
Coliform group organisms — M.F.C. per 100 ml.		0	0	0		
Coliform group organisms — Fecal M.P.N. per 100 ml.						
...s. ☐ Con. ☐ Comp. ☐						
...ettleable solids ml. per liter						
Total Solids	220					
Total Volatile Matter						
Suspended Solids						
Suspended Volatile Matter						
Turbidity						
Color						
Total hardness as $CaCO_3$	200					
Alkalinity as $CaCO_3$	180					
pH value Lab.	7.4					
Iron	< .02					
Manganese	0.03					
Chlorides	2.0					
Residual Chlorine						
Sulphates	7.9					
Fluorides	0.19					
Dissolved Oxygen						
Biochemical Oxygen Demand — five-day						
Total Phosphorus						
Ammonia Nitrogen						
...rganic Nitrogen						
...itrite Nitrogen						
Nitrate Nitrogen	<1					
Methylene Blue Active Substance as ABS	<.1					
Calcium as $CaCO_3$	120					
Sodium	3					
pHs @ 50 °F	7.9					
< = Less Than						

* *Results are in milligrams per liter except as noted.*

P.

1-14-70

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
December 30, 1969

Date of Last Investigation - December 3, 1968

Rating at Last Investigation - 91

Changes Since Last Investigation - A new Water Superintendent has been employed to supervise the operation and maintenance of this water supply.

Analytical Data - (see attached sheet)

Samples Nos. 2214 - 2216, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be very low in iron and in manganese. The nitrate nitrogen content was found to be less than one milligram per liter. Surfactant, a constituent of household detergents, was not present in a determinable amount.

Recommendations -

1. The pumphouse should be used only for water supply purposes. Articles not essential to the operation of the water system should be stored elsewhere.

2. Consideration should be given to the development of an auxiliary source of supply which would also serve as a standby source for use in emergencies and in the event the first well should be shut down for repairs.

3. Consideration should be given to the adoption of the Minnesota Plumbing Code together with a system of permits and inspection. (The Code may be adopted by reference.) This would further safeguard the water supply from contamination resulting from plumbing which may be improperly designed or installed.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David A. Fridgen Report To District VI

Field Number	Town, County, Etc.	Sampling Point and Source of Sample		
a	Lake Elmo, Washington	Well #1	P.D.	MWS
b	"	Well #1	P.D.	MWS
c	"	Elmo Inn	S.T.	MWS
d	"	Brookman Motors	S.T.	MWS
e				
f				

A

This line for Lab. use only. Sample Number	a 8204	b 2214	c 2215	d 2216	e	f
Date Collected	12/30/69					
Time Collected						
Temperature °F						
Date Received by Lab.	12/30/69					
Coliform group organisms — M.P.N. per 100 ml.						
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.		0	0	0		
Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron	<.02					
Manganese	0.07					
Chloride						
Residual Chlorine						
Sulphate						
Fluoride						
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	<1					
Methylene Blue Active Sub. as ABS	<.1					
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
µmhos @ 50 °F						

* Results are in milligrams per liter except as noted.

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
December 3, 1970

Date of Last Investigation - December 30, 1969

Rating at Last Investigation - 91

Changes Since Last Investigation - Fluoride (Acid) is now being injected into the pump discharge pipe.

Analytical Data - (see attached sheet)

Samples Nos. 4832-4834 and 5054, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be very low in iron and in manganese. The nitrate nitrogen content was found to be less than one milligram per liter. Surfactant, a constituent of household detergents, was not present in a determinable amount.

The chemical examination of the samples collected from the distribution system showed the fluoride content to vary from 1.1 to 1.2 milligrams per liter. The recommended range for the control of dental caries (tooth decay) is 0.9 to 1.5 milligrams per liter.

Recommendations -

1. The pumphouse should be used only for water supply purposes. Articles not essential to the operation of the water system should be stored elsewhere.

2. Consideration should be given to the development of an auxiliary source of supply which would also serve as a standby source for use in emergencies and in the event the first well should be shut down for repairs.

3. Consideration should be given to the adoption of the Minnesota Plumbing Code together with a system of permits and inspection. (The Code may be adopted

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David Fridgen Report To District VI

Field Number	Town, County, Etc.	Sampling Point and Source of Sample		
a	Lake Elmo, Washington County	Well #1	P.D.	M.W.S. A
b	"	Residence	H.B.	M.W.S.
c	"	Village Hall	S.T.	M.W.S.
d	"	Village Hall	S.T.	M.W.S. (Resample)
e				
f				

This line for Lab. use only.	a	b	c	d	e	f
Sample Number	4832	4833	4834	5054		
Date Collected	12/3/70	- - - - -	- - - - -	12/8/70		
Time Collected						
Temperature °F						
Date Received by Lab.	12/3/70	- - - - -	- - - - -	12/8/70		
Coliform group organisms — M.P.N. per 100 ml.	<2.2	<2.2	5.1	<2.2		
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
[illegible] l Solids						
[illegible]rbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron	0.06					
Manganese	0.03					
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		1.1	1.2			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	< 1					
Methylene Blue Active Sub. as ABS	< .1					
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
[illegible] @ 50 °F						

< : less than

* Results are in milligrams per liter except as noted.

Minnesota Department of Health
District V1
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
December 1, 1971

Date of Last Investigation - December 3, 1970

Rating at Last Investigation - 91

Changes Since Last Investigation -

A. 1. Service Connections - 200

2. Average Daily Consumption - 40,000 gallons per day

3. Treatment and Control - Fluoridation (Hydrofluosilicic acid)

4. 1 Well A

Storage: 75,000 gallon elevated tank

B. Changes on Previous Recommendations -

1. Articles not essential to the operation of the water supply system have been removed from the pumphouse.

3. Lake Elmo has adopted the Minnesota Plumbing Code together with a system of permits and inspection.

6. Has adopted Minnesota Plumbing Code.

7. The fluoride concentration is between 0.9 to 1.5 milligrams per liter.

Analytical Data - (see attached sheet)

Samples Nos. 4198 - 4200, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be very low in iron and in manganese. The nitrate nitrogen content was found to be less than one milligram per liter. Surfactant, a constituent of household detergents, was not present in a determinable amount.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By James L. Lauer Report To District VI

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Lake Elmo, Washington	Well #1 MWS P.D. A
b		Mobil Station S.T.
c		Village Hall S.T.
d		
e		
f		

This line for Lab. use only. Sample Number	a 4198	b 4199	c 4200	d	e	f
Date Collected	12/1/71	- - - - -	- - - - -			
Time Collected						
Temperature °F						
Date Received by Lab.	12/1/71					
Coliform group organisms — M.P.N. per 100 ml.	<2.2	<2.2	<2.2			
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$		210	210			
Alkalinity as $CaCO_3$		200	200			
pH value						
Iron	0.07					
Manganese	0.11					
Chloride		3	3			
Residual Chlorine						
Sulphate						
Fluoride		1.2	1.2			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	1					
Methylene Blue Active Sub. as ABS	.1					
Calcium as $CaCO_3$		130	130			
Sodium		3	3			
Potassium		1	1			
Spec. Cond. µmhos/cm @ 25 °C.		400	400			
pH @ 50 °F						

* Results are in milligrams per liter except as noted.

Minnesota Department of Health
District VI
Minneapolis Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota
December 13, 1972

This water supply is obtained from a drilled well. The water from the well is pumped directly into the distribution system. A 75,000 gallon elevated steel tank receives the overflow and maintains pressure on the system.

Location of Source -

The well and elevated tank are located on Lot 6, Block 2, Lake Elmo Park. As far as could be determined at the time of the investigation, this site is adequately isolated from possible sources of contamination. Surface drainage is away from the well.

Well, Pump and Pumphouse -

A Well No. 1 is a 20-inch drilled well. The well is provided with approximately 277 feet of 20-inch steel pipe casing which extends through the drift and Jordan sandstone and into the Dresbach formation. A 20-inch open hole extends an additional 528 feet to a total depth of 805 feet. The reported log of the well is as follows:

		Depth (Ft.)	Thickness (Ft.)
Drift	Sandy clay	0- 12	
	Sand	12- 32	
	Sand & Gravel	32- 72	
	Clay	72-112	
	Hardpan	112-152	
	Fine sand	152-167	
	Clay & Gravel	167-247	247
Jordan	Sandstone	247-272	25
St. Lawrence, Franconia & Dresbach	Sandstone, Siltstone & Shales	272- 682	410
Hinckley	Sandstone	682-805	123

Water is drawn from the well by means of a water lubricated, vertical turbine pump which is rated at approximately 500 gallons per minute and

A

powered by a 50 horsepower electric motor. The static water level is reported to be approximately 110 feet and the drawdown approximately 156 feet at a pumping rate of 800 gallons per minute. The well has been provided with properly constructed casing and discharge vents. The pumphouse has been constructed with a concrete floor entirely above ground level. The pumphouse has been provided with one door which opens outward. The floor drain, which is constructed of extra heavy cast-iron soil pipe, extends to a gravel pocket 50 feet from the well.

Treatment -

Treatment consists of fluoridation (acid).

Storage -

Storage consists of a 75,000 gallon elevated steel tank which rides on the distribution system and maintains pressure on it. At present, the controls are set to maintain pressure between 41 and 50 pounds per square inch. As far as could be determined at the time of the investigation, the location and construction of the tank were satisfactory from a sanitary view point.

Distribution System -

The distribution system consists of approximately 21,000 feet of 6 and 8-inch cast-iron slip-joint water pipe (22% 8-inch and 78% 6-inch), 40 hydrants, and 200 services. The water mains are laid in trenches approximately 10 to 15 feet off the center of the street. At present there is one buried railroad crossing which is of 8-inch pipe and encased in an 18-inch steel pipe protective casing. The hydrants drain to gravel pockets. Sanitary and storm sewers are not provided. The service connections are being constructed of 1-inch copper pipe. The average daily water consumption is approximately 40,000 gallons per day.

Plumbing -

The Minnesota Plumbing Code has been adopted as a local ordinance with a system of permits and inspections.

Analytical Data - (see attached sheet)

Samples Nos. 1020 - 1022, inclusive, represent water collected from the well and from two points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found.

The chemical examination of the sample collected from the well showed the water to be very low in iron and in manganese. The nitrate nitrogen content was found to be less than one milligram per liter. Surfactant, a constituent of household detergents, was not present in a determinable amount.

The chemical examination of the samples collected from the distribution system showed the fluoride content to vary from 1.0 to 1.1 milligrams per liter.

Recommendations -

1. Consideration should be given to the development of an auxiliary source of supply which would also serve as a standby source for use in emergencies and in the event the first well should be shut down for repairs.

2. Arrangements should be made for the routine collection and bacteriological examination of samples from the well and distribution system on at least a monthly basis and a permanent record of these results maintained.

3. Consideration should be given to the installation of chlorination equipment and an effective chlorine residual of at least 0.5 of a milligram per liter should be maintained in the water at all points on the distribution system. This would safeguard the water supply from contamination which may be introduced through improperly designed or installed plumbing, breaks in mains, fire engine pumps and opening the system for repairs.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Dave Fridgen Report To District VI

Field Number	Town, County, Etc.	Sampling Point and Source of Sample		
a	Lake Elmo, Washington County	Well #1	P.D.	M.W.S. A
b	"	Village Hall	S.T.	"
c	"	Auto Dealer	"	"
d				
e				
f				

This line for Lab. use only. Sample Number	a 1020	b 1021	c 1022	d	e	f
Date Collected	12/13/72	- - - - -	- - - - -			
Time Collected						
Temperature °F						
Date Received by Lab.	12/13/72	- - - - -	- - - - -			
Coliform group organisms — M.P.N. per 100 ml.	< 2.2	< 2.2	< 2.2			
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron	0.07					
Manganese	0.06					
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		1.1	1.0			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	< 1					
Methylene Blue Active Sub. as ABS	< .1					
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
µhs @ 50 °F						

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota

1. Name of Water Supply System	2. Plant Classification
Lake Elmo Municipal	C

3. Telephone Number

Clerk (office) 777-5510 — Water Supt. (office) 777-5510

Clerk (home) -- — Water Supt. (home) 777-6112

4. Location (city, county)	5. Person Contacted		
Lake Elmo, Washington	Elmer Richert		
6. Water Superintendent and Classification	7. Population	8. Date of Survey	
Elmer Richert D	3656	November 20, 1973	
9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
December 13, 1972	800	201	Municipal

13. Source: Ground

14. Plumbing Code: ☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

75,000 - elevated.

16. Maximum Daily Consumption	17. Average Daily Consumption
156,000	42,000

18. Treatment Used

- ☐ Disinfection
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation - acid.
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*	
a) Well Number	1
b) Year Installed	1961
c) Casing Diameter	20
d) Casing Depth	277
e) Well Depth	805
f) Screen Length	-
g) Static Level	106'8"
h) Drawdown	31
i) Pump (type & cap.)	518 VT

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David Fridgen Report To Metropolitan District

Field Number	Town, County, Etc.	Sampling Point and Source of Sample		
a	Lake Elmo, Washington	Well #1	P.D.	M.W.S.
b	" "	Residence	S.T.	"
c	" "	Village Hall	"	"
d				
e				
f				

This line for Lab. use only. Sample Number	a 4256	b 4257	c 4258	d	e	f
Date Collected	11/20/73	----------	----------			
Time Collected						
Temperature °F						
Date Received by Lab.	11/21/73	----------	----------			
Coliform group organisms — M.P.N. per 100 ml.	<2.2	<2.2	<2.2			
Coliform group organisms — Con. ☒ Comp. ☐ M.F.C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron	0.14					
Manganese	0.09					
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		1.1	1.2			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	1.3					
Methylene Blue Active Sub. as ABS	<.1					
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
pHs @ 50 °F						

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota

1. Name of Water Supply System	2. Plant Classification
Lake Elmo Municipal Water Supply	C

3. Telephone Number

Clerk (office) 777-5510 — Water Supt. (office) 777-5510

Clerk (home) ____ — Water Supt. (home) 777-6112

4. Location (city, county)	5. Person Contacted
Lake Elmo, Washington County	Elmer Richert

6. Water Superintendent and Classification	7. Population	8. Date of Survey
Elmer Richert C	5,000	2/19/75

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
11/20/73	750	210	Municipal

13. Source	14. Plumbing Code
Ground	☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

75,000 1 - elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
110,000	47,200

18. Treatment Used

- ☐ Disinfection
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*

a) Well Number	1
b) Year Installed	1961
c) Casing Diameter	20
d) Casing Depth	277
e) Well Depth	805
f) Screen Length	-
g) Static Level	106
h) Drawdown	51
i) Pump (type & cap.)	V.T. 518

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Stephen Craig Report To Metropolitan District

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Lake Elmo, Washington County	Fire Hall
b	Lake Elmo, Washington County	76 Station
c	Lake Elmo, Washington County	Municipal Well #1
d		
e		
f		

A

This line for Lab. use only. Sample Number	a 2448	b 2449	c 2447	d	e	f
Date Collected	2-19-75	2-19-75	2-19-75			
Time Collected						
Temperature °F						
Date Received by Lab.	2-19-75	2-19-75	2-19-75			
Coliform group organisms — M.P.N. per 100 ml.	<2.2	<2.2	<2.2			
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids			220			
Turbidity						
Color						
Total hardness as $CaCO_3$			200			
Alkalinity as $CaCO_3$			200			
pH value						
Iron			.061			
Manganese			.140			
Chloride			3.1			
Residual Chlorine						
Sulphate			13			
Fluoride			.17			
Total Phosphorus			.01			
Nitrite Nitrogen			.06			
Nitrate Nitrogen			<1			
Methylene Blue Active Sub. as ABS			<.1			
Calcium as $CaCO_3$			120			
Sodium			4.4			
Potassium			1.6			
Spec. Cond. µmhos/cm @ 25 °C			340			
pHs @ 50 °F						
Organic			.08			
Phenols			.012			
Ammonia			.06			
Metals (ug/l) Cu			<10			
Metals (ug/l) Cd			<10			
Metals (ug/l) Ni			18			
Metals (ug/l) Zn			18			
Metals (ug/l) Pb			<10			

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota

1. Name of Water Supply System	2. Plant Classification
Lake Elmo Municipal Water Supply	C

3. Telephone Number

Clerk (office) 777-5510 Water Supt. (office) 777-5510

Clerk (home) Water Supt. (home) 777-6112

4. Location (city, county)	5. Person Contacted	
Lake Elmo, Washington County	Elmer Richert	
6. Water Superintendent and Classification	**7. Population**	**8. Date of Survey**
Elmer Richert D	5,000	3-24-76

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
2-19-75	750	215	Municipal

13. Source	14. Plumbing Code
Ground	☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

75,000 1 - elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
80,000	47,200

18. Treatment Used

- ☐ Disinfection
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*

a) Well Number	1
b) Year Installed	1961
c) Casing Diameter	20
d) Casing Depth	277
e) Well Depth	805
f) Screen Length	-
g) Static Level	106
h) Drawdown	31
i) Pump (type & cap.)	V.T. 518

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Diana J. Marsh Report To Metropolitan District

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Lake Elmo, Washington County	Well #1, Well tap, M.W.S. A
b	Lake Elmo, Washington County	Denhart, K.T., M.W.S.
c	Lake Elmo, Washington County	Lake Elmo School, L.T., M.W.S.
d		
e		
f		

This line for Lab. use only. Sample Number	a 9623	b 9624	c 9625	d	e	f
Date Collected	3-24-76	3-24-76	3-24-76			
Time Collected						
Temperature °F						
Date Received by Lab.	3-24-76	3-24-76	3-24-76			
Coliform group organisms — M. P. N. per 100 ml. Con. ☐ Comp. ☐	<2.2	<2.2	<2.2			
organisms — M. F. C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron						
Manganese						
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		1.1	1.1			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen	<1.0					
Methylene Blue Active Sub. as ABS						
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
Hs @ 50 °F						

* *Results are in milligrams per liter except as noted.*

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota

1. Name of Water Supply System	2. Plant Classification
Lake Elmo Municipal Water Supply	D

3. Telephone Number

Clerk (office) 777-5510 — Water Supt. (office) 777-5510

Clerk (home) — Water Supt. (home) 777-6112

4. Location (city, county)	5. Person Contacted	
Lake Elmo, Washington County	Elmer Richert	
6. Water Superintendent and Classification	**7. Population**	**8. Date of Survey**
Elmer Richert D	5,000	3/1/77

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
3/24/76	750	215	Municipal

13. Source: Ground

14. Plumbing Code: ☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

75,000 1-elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
80,000	47,200

18. Treatment Used

- ☐ Disinfection
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*

	1												
a) Well Number	1												
b) Year Installed	1961												
c) Casing Diameter	20												
d) Casing Depth	277												
e) Well Depth	805												
f) Screen Length	-												
g) Static Level	106												
h) Drawdown	31												
i) Pump (type & cap.)	V.T. 518												

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By Diana Marsh Report To Metropolitan

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Lake Elmo, Washington County	Well #1-Sample tap, M.W.S.
b	Lake Elmo, Washington County	V.F.W. Kitchen tap, M.W.S.
c	Lake Elmo, Washington County	Town Hall S.T., M.W.S.
d		
e		
f		

A

This line for Lab. use only. Sample Number	a 6770	b 6771	c 6772	d	e	f
Date Collected	3/1/77	3/1/77	3/1/77			
Time Collected						
Temperature °F						
Date Received by Lab.	3/1/77	3/1/77	3/1/77			
Coliform group organisms — M.P.N. per 100 ml.	<2.2	<2.2	<2.2			
Coliform group organisms — Con. ☐ Comp. ☐						
Coliform group organisms — M.F.C. per 100 ml.						
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron						
Manganese						
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		1.1	1.1			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen + Nitrite	0.11					
Methylene Blue Active Sub. as ABS						
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25 °C.						
µHs @ 50 °F						

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH
District Metropolitan
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota

1. Name of Water Supply System	2. Plant Classification
Lake Elmo Municipal Water Supply	D

3. Telephone Number

Clerk (office) 777-5510 — Water Supt. (office) 777-5510

Clerk (home) — Water Supt. (home) 777-6112

4. Location (city, county)	5. Person Contacted	
Lake Elmo, Washington County	Elmer Richert	
6. Water Superintendent and Classification	7. Population	8. Date of Survey
Elmer Richert C	5,000	10/31/77

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
3/1/77	750	215	Municipal

13. Source: Ground

14. Plumbing Code: ☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

75,000 1-elevated

16. Maximum Daily Consumption	17. Average Daily Consumption
193,000	50,000

18. Treatment Used

- ☐ Disinfection
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

A

19. Well Data*

	1												
a) Well Number	1												
b) Year Installed	1961												
c) Casing Diameter	20												
d) Casing Depth	277												
e) Well Depth	805												
f) Screen Length	-												
g) Static Level	106												
h) Drawdown	31												
i) Pump (type & cap.)	V.T. 518												

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH
District Metro
Minneapolis, Minnesota

Report on Investigation of Municipal Water Supply
Lake Elmo, Minnesota

1. Name of Water Supply System	2. Plant Classification
Lake Elmo Municipal Water Supply	D

3. Telephone Number
Clerk (office) 777-5510 Water Supt. (office) 777-5510
Clerk (home) Water Supt. (home) 777-6112

4. Location (city, county)	5. Person Contacted	
Lake Elmo, Washington County	Elmer Richert	
6. Water Superintendent and Classification	**7. Population**	**8. Date of Survey**
Elmer Richert C	5,000	January 30, 1979

9. Date of Previous Survey	10. Population Served	11. Service Connections	12. Ownership
October 31, 1977	750	217	Municipal

13. Source: Ground

14. Plumbing Code
☐ Adopted ☒ Adopted with permits and inspections ☐ Not adopted

15. Storage (list separately, indicating capacity of each)

75,000 gallon elevated tank

16. Maximum Daily Consumption	17. Average Daily Consumption
141,000	50,000

18. Treatment Used

- ☐ Disinfection
- ☐ Aeration
- ☐ Filtration
- ☐ Coagulation
- ☐ Taste and Odor
- ☐ Recarbonation
- ☐ Ammoniation
- ☐ Softening
- ☐ Sedimentation
- ☒ Fluoridation
- ☐ Corrosion Control and Stabilization
- ☐ Other (describe)

19. Well Data*

	A
a) Well Number	1
b) Year Installed	1961
c) Casing Diameter	20
d) Casing Depth	277
e) Well Depth	805
f) Screen Length	-
g) Static Level	106
h) Drawdown	31
i) Pump (type & cap.)	VT 530

*Report well logs on separate sheet, if available.

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 11194 Upper 33rd Street North	Telephone Numbers: City: 777-5510
City: Lake Elmo	State: MN Zip Code: 55042 — Operator: 777-6112 (home)
County: Washington	District: Metropolitan — Engineer: 292-4400
	Other:
Water Superintendent: Elmer Richert	Classification: C — Plant Classification: D — Owner Type: Municipal
Other Operators: Robert Wier	Classification: D — Plant Type: Community — Plumbing Permits and Inspections Required: ☒ Yes ☐ No
	Date of Previous Survey: January 30, 1979 — Date of Survey: April 4, 1980
City Engineer: TKDA Larry Bahrer	

SERVICE AREA CHARACTERISTICS:

- ☒ Municipal
- ☐ Mobile Home Park
- ☐ Company Town
- ☐ Institution
- ☐ School or College
- ☐ Hotel/Motel
- ☐ Resort
- ☐ Restaurant
- ☐ Recreation Area
- ☐ Campground
- ☐ Housing Development
- ☐ Other

Population Served: 760	Service Connections: 218	Storage Capacity: (List Separately) 75,000 gallon elevated tank
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 47,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 120,000	Total: 75,000 gallons

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well 1	G	P			A							Va		1961	20	277		805	Franconia Hinckley	103	35	VT 515

Remarks:

Surveyed by: David B. Engstrom

Approved by: Roman J. Koch

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

BUDGET NO: _____

ANALYTICAL DATA

Samples Collected By David Engstrom Report To Metropolitan

Field Number	Town, County, etc.	Sampling Point and Source of Sample
	Lake Elmo, Washington	Well #1 A

This line for Lab use ONLY								
Sample Number			11432					
Date Collected			4-7-80					
Time Collected								
Temperature °F								
Date Received by Lab								
Fluoride		029						
Nitrate+Nitrite Nitrogen		066						
Sodium		026						
Magnesium as $CaCO_3$		024						
Arsenic µg/l	** 110							
Barium µg/l	117							
Chromium µg/l	131							
Cadmium µg/l	124							
Lead µg/l	160							
Mercury µg/l		200						
Selenium µg/l	180							
Silver µg/l	187							
Zinc µg/l		194						
Copper µg/l		145						
Nickel µg/l		173						
Total Organic Carbon		098						
Ammonia Nitrogen		064						
Organic Nitrogen		065						
Phenol µg/l		087	<2.0					
Oil & Grease		089						
Endrin µg/l								
Lindane µg/l								
Methoxychlor								
Toxaphene µg/l								
2,4-D µg/l								
2,4,5-TP (Silvex) µg/l								
Safe Drink. Water (all 6)		426						
Pest. Drink. Water (4)		421						
Herb. Drink. Water (2)		425						

* Results are in milligrams per liter except as noted.
** Metals to Maximum Contaminant Levels Unless Noted.

(6/1/79)

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 11194 Upper 33rd Street North	Telephone Numbers: City: 777-5510
City: Lake Elmo	State: MN Zip Code: 55042 — Operator: 439-0207 (home)
County: Washington	District: Metropolitan — Engineer: 292-4590
	Other:
Water Superintendent: Ken Carroll	Classification: D — Plant Classification: D — Owner Type: Municipal
Other Operators: Robert Wier	Classification: D — Plant Type: Community — Plumbing Permits and Inspections Required: ☒ Yes ☐ No
	Date of Previous Survey: April 4, 1980 — Date of Survey: August 27, 1981
City Engineer: TKDA Larry Bohrer	

SERVICE AREA CHARACTERISTICS:

- ☒ Municipal
- ☐ Mobile Home Park
- ☐ Company Town
- ☐ Institution
- ☐ School or College
- ☐ Hotel/Motel
- ☐ Resort
- ☐ Restaurant
- ☐ Recreation Area
- ☐ Campground
- ☐ Housing Development
- ☐ Other

Population Served: 800	Service Connections: 225	Storage Capacity: (List Separately) 75,000 gallon elevated tank
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 50,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 177,000	Total: 75,000 gallon

Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
Well 1	G	P				A						Va		1961	20	277		805	Franconia Hinckley	103	35	VT 515

Remarks:

Surveyed by: David B. Engstrom

Approved by: Gary L. Englund

HE-00842-02

1. The City should consider constructing an additional well to be used as an emergency or standby.

2. The City should consider installing permanent chlorination equipment and maintaining a free chlorine residual of at least 0.2 to 0.5 milligrams per liter on all points of the distribution system.

3. A comprehensive program of cross-connection surveillance should be instituted to protect the municipal water supply. This should include:

   A. The detection and correction of cross-connections to unsafe water supplies.

   B. The education of the public on the dangers of cross-connections.

   C. The installation of vacuum breakers on all threaded hose bibbs in new and old buildings.

   D. The replacement of defective plumbing in older buildings.

   E. Periodic cross-connection inspections of potentially hazardous industries and commercial establishments.

4. Static water levels and drawdowns should be taken at least monthly and permanently recorded.

5. The opportunity for additional training in water supply work should be made available to the operator. Attendance at the annual waterworks operator's seminars, held in the area, is a valuable experience for anyone engaged in this field.

David B Engstrom

David B. Engstrom, P.E.
Public Health Engineer
Environmental Field Services

Approved: Gary L. Englund

Gary L. Englund, P.E., Chief
Section of Water Supply and
General Engineering

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

ANALYTICAL DATA

Samples Collected By David Engstrom Report To Metropolitan

Field Number	Town, County, Etc.	Sampling Point and Source of Sample
a	Lake Elmo, Washington Co.	Well #1, P.D. A
b	" " " "	City Hall, S.T.
c	" " " "	Elementary School, S..T.
d		
e		
f		

This line for Lab. use only. Sample Number	a 17158	b 17150	c 17160	d	e	f
Date Collected 8-27-81						
Time Collected 2:00 p.m.						
Temperature °F						
Date Received by Lab.	8-28-81	8-28-81	8-28-81			
Coliform group organisms — M. P. N. per 100 ml.						
Coliform group organisms — Con. x Comp. ☐ M. F. C. per 100 ml.	< 2.2	< 2.2	< 2.2			
Total Solids						
Turbidity						
Color						
Total hardness as $CaCO_3$						
Alkalinity as $CaCO_3$						
pH value						
Iron						
Manganese						
Chloride						
Residual Chlorine						
Sulphate						
Fluoride		1.4	1.4			
Total Phosphorus						
Nitrite Nitrogen						
Nitrate Nitrogen						
Methylene Blue Active Sub. as ABS						
Calcium as $CaCO_3$						
Sodium						
Potassium						
Spec. Cond. µmhos/cm @ 25°C.						
@ 50 °C.						
Phenol	3.2					

* Results are in milligrams per liter except as noted.

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 11194 Upper 33rd Street North	Telephone Numbers: City: 777-5510
City: Lake Elmo; State: MN; Zip Code: 55042	Operator: 439-0207 (home)
County: Washington; District: Metropolitan	Engineer: 292-4590; Other:
Water Superintendent: Ken Carroll; Classification: D	Plant Classification: D; Owner Type: Municipal
Other Operators: Robert Wier, David Wisdorf; Classification: D, C	Plant Type: Community; Plumbing Permits and Inspections Required: [X] Yes [ ] No
	Date of Previous Survey: August 27, 1981; Date of Survey: January 4, 1983
City Engineer: TKDA Larry Bohrer	

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served	Service Connections	Storage Capacity: (List Separately)
800	230	75,000 gallon elevated tank
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 50,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 177,000	Total: 75,000 gallons

			TREATMENT											WELL DATA								
Source Name	Source Code	Availability	Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
A Well #1	G	P										Va		1961	20	277		805	Franconia Hinckley	103	35	VT 515

Remarks:

Surveyed by: Milton R. Bellin

Approved by: Richard D. Clark

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 11194 Upper 33rd Street North	Telephone Numbers: City: 777-5510; Operator: 439-0207 (home); Engineer: 292-4590; Other:
City: Lake Elmo; State: MN; Zip Code: 55042	
County: Washington; District: Metropolitan	
Water Superintendent: David Wisdorf; Classification: C	Plant Classification: D; Owner Type: Municipal
Other Operators: Robert Wier, Ken Carroll; Classification: D, D	Plant Type: Community; Plumbing Permits and Inspections Required: [X] Yes [ ] No
	Date of Previous Survey: January 4, 1983; Date of Survey: March 27, 1984
City Engineer: TKDA Larry Bohrer	

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 800	Service Connections: 235	Storage Capacity: (List Separately) 75,000 gallon elevated tank
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 66,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 183,000	Total: 75,000 gallons

			TREATMENT											WELL DATA									
Source Name	Source Code	Availability	Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
A Well #1	G	P										Va		1961	20	277		805	Franconia Hinckley	106	44	VT 500

Remarks:

Surveyed by: David Engstrom

Approved by: Richard Clark

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 11194 Upper 33rd Street North	Telephone Numbers: City: 777-5510; Operator: 770-2537; Engineer: 292-4590; Other: 439-0207 (home)
City: Lake Elmo; State: MN; Zip Code: 55042	
County: Washington; District: Metropolitan	
Water Superintendent: Ken Carroll; Classification: N.C.	Plant Classification: D; Owner Type: Municipal
Other Operators: Robert Wier; Classification: D	Plant Type: Community; Plumbing Permits and Inspections Required: [X] Yes [ ] No
	Date of Previous Survey: March 27, 1984; Date of Survey: April 18, 1985
City Engineer: TKDA Larry Borher	

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served	Service Connections	Storage Capacity: (List Separately)
800	240	75,000 gallon elevated tank
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 49,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 120.000	Total: 75,000 gallons

	Source Name	Source Code	Availability	TREATMENT: Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	WELL DATA: Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
A	Well #1	G	P										Va		1961	20	277		805	Franconia Hinckley	106	44	VT 500

Remarks:

Surveyed by: David Engstrom

Approved by: Richard Clark

HE-00842-02

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 3880 Laverne Avenue	Telephone Numbers: City: 777-5510
City: Lake Elmo	State: MN Zip Code: 55042 — Operator: 770-2537
County: Washington	District: Metropolitan — Engineer: 292-4590
Water Superintendent: Dan Olinger	Classification: N.C. — Other: 777-1047 (home)
Other Operators: Robert Wier, Mike Bouthilet	Classification: D, N.C.
Plant Classification: D	Owner Type: Municipal
Plant Type: Community	Plumbing Permits and Inspections Required: ☒ Yes ☐ No
Date of Previous Survey: 4/18/85	Date of Survey: 7/17/86
City Engineer: TKDA Larry Borher	

SERVICE AREA CHARACTERISTICS:

- ☒ Municipal
- ☐ Mobile Home Park
- ☐ Company Town
- ☐ Institution
- ☐ School or College
- ☐ Hotel/Motel
- ☐ Resort
- ☐ Restaurant
- ☐ Recreation Area
- ☐ Campground
- ☐ Housing Development
- ☐ Other

Population Served: 800	Service Connections: 240	Storage Capacity: (List Separately) 75,000 gallon elevated tank
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 49,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 150,000	Total: 75,000 gallons

			TREATMENT											WELL DATA								
Source Name	Source Code	Availability	Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
A Well #1	G	P										Va		1961	20	277		805	Franconia Hinckley	106	44	VT 500

Remarks:

Surveyed by: Michael Piechowski

Approved by: Richard Clark

HE-00842-02

Lake Elmo Municipal Water Supply July 17, 1986

Recommendations:

1. The City should consider constructing an additional well to serve as a standby or emergency water source.

2. The City should consider installing permanent chlorination equipment and maintaining a free chlorine residual of at least 0.2 to 0.5 milligrams per liter on all points of the distribution system.

3. Static water levels and drawdowns should be taken at least monthly and permanently recorded.

4. The biological contamination encountered during the survey was probably the result of a combination of two factors.

   a. It was discovered that the unlocked storage tank had been opened by unknown individuals and only partially closed. The elevated bacteria counts in the distribution system were probably caused by entering rainwater and blown debris. A new hatch lock was recommended.

   b. A leaking pump seal was suspected of causing the slight bacteria count of the well. The new pump was installed shortly after the survey and the well was chlorinated at that time. Subsequent sampling indicated no coliform bacteria contamination present.

5. Improperly abandoned wells can seriously contaminate underground aquifers. By implementing a well abandonment program, the City could have a systematic procedure for locating and properly sealing abandoned wells within the City limits.

6. The opportunity for additional training in water supply work should be made available to the operator(s). Attendance at the annual waterworks operators seminar, held in the area, is a valuable experience for anyone engaged in this field.

Michael J. Piechowski

Michael Piechowski
Public Health Engineer
Section of Environmental
Field Services

Approved:

Richard D. Clark, P.E., Supervisor
Engineering Unit
Section of Water Supply and Engineering

MINNESOTA DEPARTMENT OF HEALTH

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply: Lake Elmo Municipal Water Supply	PWS ID Number: 1820009
Street: 3800 Laverne Avenue	Telephone Numbers: City: 777-5510; Operator: 770-2537; Engineer: 292-4590; Other: 777-1047
City: Lake Elmo; State: MN; Zip Code: 55042	
County: Washington; District: Metropolitan	
Water Superintendent: Dan Olinger; Classification: D	Plant Classification: D; Owner Type: Municipal
Other Operators: Robert Wier, Mike Bouthilet; Classification: D, D	Plant Type: Community; Plumbing Permits and Inspections Required: XX Yes ☐ No
	Date of Previous Survey: July 17, 1986; Date of Survey: November 5, 1987
City Engineer: TKDA Larry Borher	

SERVICE AREA CHARACTERISTICS:

- [X] Municipal
- [ ] Mobile Home Park
- [ ] Company Town
- [ ] Institution
- [ ] School or College
- [ ] Hotel/Motel
- [ ] Resort
- [ ] Restaurant
- [ ] Recreation Area
- [ ] Campground
- [ ] Housing Development
- [ ] Other

Population Served: 800	Service Connections: 245	Storage Capacity: (List Separately) 75,000-gallon elevated
Design Capacity (gal/day): 740,000	Average Daily Production (gal/day): 49,000	
Emergency Capacity (gal/day): 0	Highest Daily Production (gal/day): 150,000	Total: 75,000 gallons

			TREATMENT											WELL DATA								
Source Name	Source Code	Availability	Disinfection	Aeration	Coagulation	Sedimentation	Filtration	Corrosion Con. Stabilization	Softening	Taste & Odor	Ammoniation	Fluoridation	Other	Year Installed	Casing Diameter	Casing Depth	Screen Length	Well Depth	Water Bearing Formation	Static Level	Drawdown	Pump Type
A Well #1	G	P										Va		1961	20	277		805	Franconia Hinckley	102	40	VT 500

Remarks:

Surveyed by: Michael Piechowski

Approved by: Richard Clark

HE-00842-02

CERTIFICATE OF ADOPTION
WATER SUPPLY PLAN

City or Water System Name: City of Lake Elmo

Name of Person Authorized to Sign
Certificate on Behalf of the System: Rob Weldon

Title: Public Works Director

Address: 3800 Laverne Ave. N
Lake Elmo, MN 55042

Telephone: 651-747-3941

E-mail: rweldon@lakeelmo.org

I certify that the Water Supply Plan approved by the Department of Natural Resources has been adopted by the city council or utility board that has authority over water supply services.

Signed:  Date: 12/20/2017

Submit Certificate of Adoption through MPARS
Or mail this certificate to: DNR Waters
Water Permit Program Supervisor
500 Lafayette Road
St. Paul, MN 55155-4032

LAKE ELMO - DWSMA

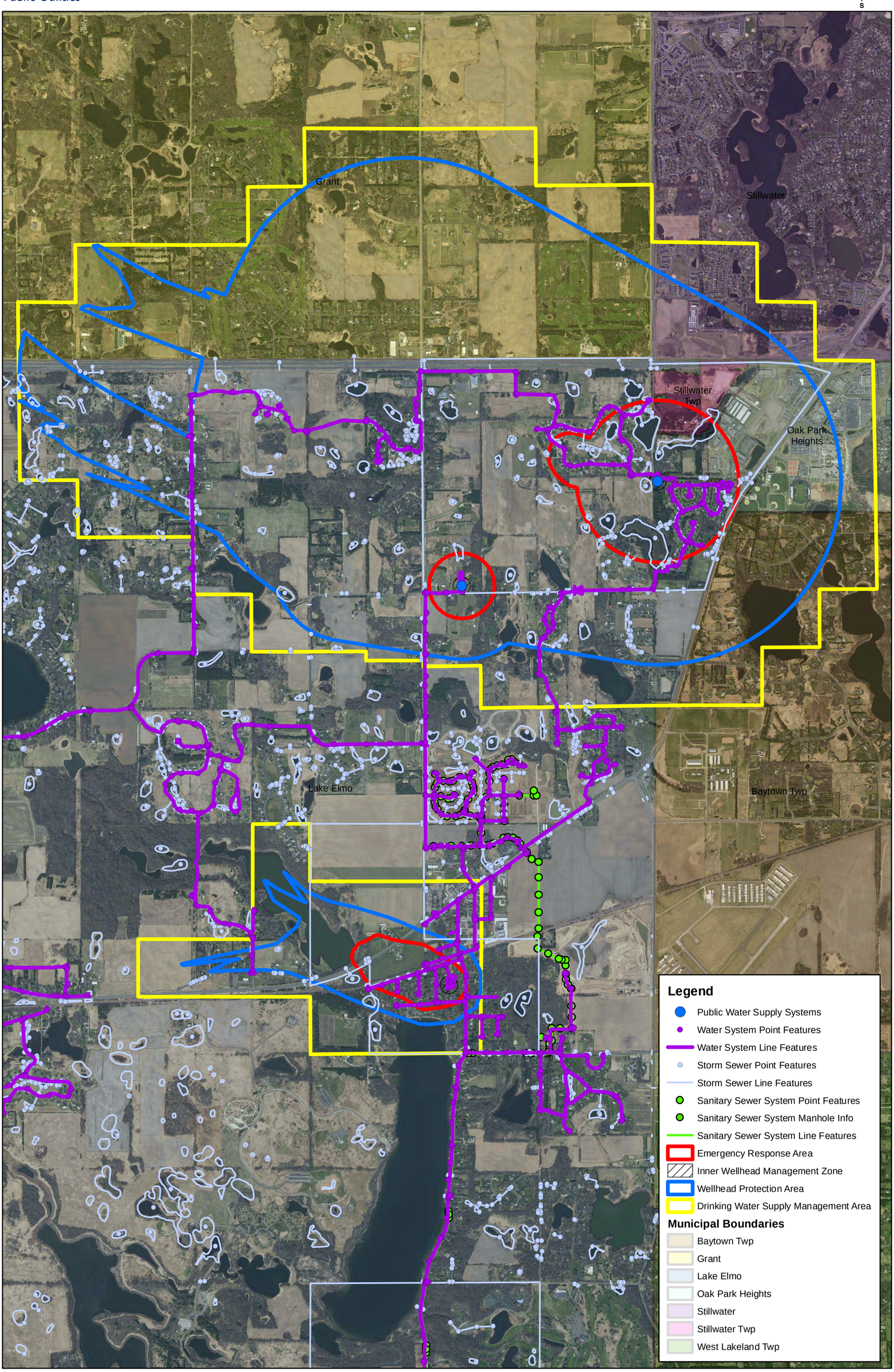
Public Utilities

MINNESOTA DEPARTMENT OF HEALTH MDH

0 375 750 1,500 Feet

Data sources accessed August, 2017
Map produced by Rick Moore, Moore GIS

N W E S



Legend

- Public Water Supply Systems
- Water System Point Features
- Water System Line Features
- Storm Sewer Point Features
- Storm Sewer Line Features
- Sanitary Sewer System Point Features
- Sanitary Sewer System Manhole Info
- Sanitary Sewer System Line Features
- Emergency Response Area
- Inner Wellhead Management Zone
- Wellhead Protection Area
- Drinking Water Supply Management Area

Municipal Boundaries

- Baytown Twp
- Grant
- Lake Elmo
- Oak Park Heights
- Stillwater
- Stillwater Twp
- West Lakeland Twp

Appendix VII - City of Lake Elmo

Glossary of Terms

Data Element. A specific type of information required by the Minnesota Department of Health to prepare a wellhead protection plan.

Drinking Water Supply Management Area (DWSMA). The surface and subsurface areas surrounding a public water supply well, including the wellhead protection area, that must be managed by the entity identified in the wellhead protection plan. (Minnesota Rules, part 4720.5100, subpart 13). This area is delineated using identifiable landmarks that reflect the scientifically calculated wellhead protection area boundaries as closely as possible.

Emergency Response Area (ERA). The part of the wellhead protection area that is defined by a one-year time of travel within the aquifer that is used by the public water supply well (Minnesota Rules part 4720.5250, subpart 3). It is used to set priorities for managing potential contamination sources within the DWSMA.

Emergency Standby Well. A well that is pumped by a public water supply system only during emergencies, such as when an adequate water supply cannot be achieved because one or more primary or seasonal water supply wells cannot be used.

Inner Wellhead Management Zone (IWMZ). The land that is within 200 feet of a public water supply well (Minnesota Rules, part 4720.5100, subpart 19). The public water supplier must manage the IWMZ to help protect it from sources of pathogen or chemical contamination that may cause an acute health effect.

Nonpoint Source Contamination. Refers to contamination of the drinking water aquifer that is caused by polluted runoff or pollution sources that cannot be attributed to a specifically defined origin, e.g., runoff from agricultural fields, feedlots, or urban areas.

Point Source Contamination. Refers to contamination of the drinking water aquifer that is attributed to pollution arising from a specifically defined origin, such as discharge from a leaking fuel tank, a solid waste disposal site, or an improperly constructed or sealed well.

Primary Water Supply Well. A well that is regularly pumped by a public water supply system to provide drinking water.

Seasonal Water Supply Well. A well that is only used to provide drinking water during certain times of the year, either when pumping demand cannot be met by the primary water supply well(s) or for a facility, such as a resort, that is closed to the public on a seasonal basis.

Vulnerability. Refers to the likelihood that one or more contaminants of human origin may enter either 1) a water supply well that is used by the public water supplier or 2) an aquifer that is a source of public drinking water.

WHP Area (WHPA). The surface and subsurface area surrounding a well or well field that supplies a public water system, through which contaminants are likely to move toward and reach the well or well field (Minnesota Statutes, part 103I.005, subdivision 24).

WHP Plan Goal. An overall outcome of implementing the WHP plan, e.g., providing for a safe and adequate drinking water supply.

WHP Measure. A method adopted and implemented by a public water supplier to prevent contamination of a public water supply, and approved by the Minnesota Department of Health under Minnesota Rules, parts 4720.5110 to 4720.5590.

WHP Plan Objective. A capability needed to achieve one or more WHP goals, e.g., implementing WHP measures to address high priority potential contamination sources within 5 years.

CITY OF LAKE ELMO WHP IMPLEMENTATION SCHEDULE

NOTE: 1) For a complete description of each strategy, refer to the WHP Plan, Chapter 5. **2) Year 1 starts 60 days after final plan approval is received from MDH.**

STRATEGIES	Potential Grant Funded	On-going or As needed	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	COMPLETION DATE
MONITORING, DATA COLLECTION, AND ASSESSMENT:													
1 - Work with MDH Hydro, DNR to determine alternate wellfield site.	X	X											
2 - Notify MDH to conduct pumping test on city wells when maintenance occurs.	X	X											
3 - Contact MDH Hydro - set up monitoring - collect samples for MDH.							X	X	X				
4 - Collect water samples for MDH if/when requested.		X											
5 - Update Potential Contaminant Source Inventory.	X							X					
6 - Update Parcel Mapping.	X					X							
WELL AND CONTAMINANT SOURCE MANAGEMENT:													
7 - Review and update IWMZ survey form with MDH.									X				
8 - Monitor setbacks for new IWMZ uses.		X											
9 - Hook up SSTS located within the IWMZ of Well #1.	X	X											
10 - Mark floor drains in well houses "French Drain - Clean Water Only".			X										
11 - Replace cracked or deteriorated sewer lines within the IWMZ of Well #2.	X	X											
12 - Map/Letter to Fire Department, County Highway Dept, MNDOT.			X										
13 - Work with DNR, MDH and Met Council - water needs and potential sources.		X											
14 - Write grant to seal Well #1 if city decides to seal.	X	X											
15 - Write grant and purchase a generator for Well #2.	X			X									
16 - Write grant to purchase and install generator wiring for Well #2.	X			X	X								
17 - If old municipal wells are found, work with MDH to seal.	X	X											
18 - Work with Washington County to verify unknown wells. Send letter requesting assistance.	X	X	X										
19 - Write grant to offer 100% funding to seal any unused/unsealed wells within the DWSMAs.	X				X								
20 - Report class v wells to MDH if found.		X											
21 - Letter to Tank Owners.						X							
22 - If new contaminants found in wells near old leak sites, contact MPCA.		X											
EDUCATION AND OUTREACH:													
23 - Request well brochures form MDH and provide them at city hall.				X				X					
24 - Post and highlight WHP education information and conservation on city website.	X		X										
25 - Breif Mayor and City Council on unused/unsealed wells.			X						X				
LAND USE AND PLANNING:													
26 - Apply for grant to update local ordinances if feasible.	X	X											
WHP COORDINATION, REPORTING, AND EVALUATION:													
27 - Annual meeting to review of wellhead measures.			X	X	X	X	X	X	X	X	X	X	
28 - Maintain WHP folder.			X	X	X	X	X	X	X	X	X	X	
29 - Develop spreadsheet for implementation.			X										
30 - Report to MDH in year 7.									X				
31 - Evaluation report every 2.5 years. Submit copy to MDH in year 8.					X		X			X			

THE CITY OF
LAKE ELMO

July 9, 2018

Sherri A Buss
Stillwater Township Planner
444 Cedar Street, Suite 1500
St. Paul, MN 55101

Ms. Buss,

Please find the response to your comment letter below:

1: Edits to the Zoning Map were completed. Thank-you for the information.

2: Edits to the Future Land Use Map were completed. Thank-you for the information.

3: Zoning classifications on page 10 have been updated to reflect the map edits.

4: The parcel map included in the plan was created utilizing "best available data" at the time the maps were created. This data was obtained from the MetroGIS website via the Metropolitan Council. The wellhead committee has evaluated the request. Since every potential contaminant source has been accurately assigned to a parcel, the cost of re-mapping and re-printing the maps in the plan is prohibitive at this time and having met the MDH criteria of utilizing the best available data, the team has recommended adding a strategy to update these maps at a future date. The following edits to the plan pertain to this issue: Page 19, Table G and I.B. addresses the reasoning of need to update this information in the future. Page 23, WHP Measure #6 directs the WHP team to complete this update when feasible (within four years).

5: The Executive Summary is an overall reflection of the areas within the DWSMA boundaries. Each local government was not assessed individually in this part of the plan. While the wellhead committee encourages open spaces, it is understood this is not within their jurisdiction and may not occur.

The City appreciates your comments. The wellhead team feels the Plan meets the wellhead requirements of MN Rules 4720.5290 through 4720.5290 and are within the capacity of the City to implement in the next ten years.

Sincerely,

Rob Weldon
Public Works Director
Wellhead Protection Manager
City of Lake Elmo

TKDA
444 Cedar Street, Suite 1500
Saint Paul, MN 55101
651.292.4400
tkda.com

May 15, 2018

Mr. Rob Weldon, Wellhead Protection Manager
City of Lake Elmo
3880 Laverne Avenue North
Lake Elmo, Minnesota 55042

Re: Lake Elmo Wellhead Protection Plan Amendment, Part Two
TKDA Project No.16625.000

Dear Mr. Weldon:

Stillwater Township received a copy of *Lake Elmo's Wellhead Protection Plan Amendment, Part Two.* I reviewed the document as the Township's Planner. The Township has the following comments on the Plan Amendment:

1. The Zoning Map classification (Figure Four, page 8) for the land areas within Stillwater Township and the City of Stillwater north and south of Highway 36 are not correct.

    a. The parcels within Stillwater Township that are located at the southeast corner of Highway 36 and Manning Avenue are not located in a Transition Zone and were not located in a Transition Zone in the past. There is no Transition Zone in the Township's current zoning classifications. These parcels are located within the Township's Agriculture Zoning District. (Map attached)

    b. The parcels in the City of Stillwater that are located at the northeast corner of Highway 36 and Manning were classified as "Transition Zone" when they were within Stillwater Township. The parcels were annexed to the City of Stillwater in 2015 under the City and Township's Orderly Annexation Agreement. The current zoning classifications for the parcels in the City of Stillwater are shown on the City's 2017 Zoning Map, available on its website.

2. The Future Land Use Map (Figure Five, page 9) should show the future land use within the parcels located in Stillwater Township as either Agriculture or Rural Residential.

    The Township's Future Land Use Map included in the Township's 2040 Comprehensive Plan, which has been approved by the Metropolitan Council and is available on the Township's website, identifies the area as "Agricultural." The 2040 Zoning Map includes the area in the Township's Agricultural District. The minimum lot size permitted in the Agricultural District in Stillwater Township is 10 acres. The District permits Agriculture, Single-Family Residential, and Park/Open Space uses.

3. The Zoning classifications on the table on Page 10 should be updated to reflect the information in the first comment. The Zoning classification for the land within Stillwater Township is Agriculture.

An employee-owned company promoting affirmative action and equal opportunity.

4. The rectangular parcels along sections of Highway 36 that are shown on several maps in the plan, including the areas within Stillwater Township, should be removed. The parcel boundaries of the parcels within the Township extend to the middle of Highway 36, where they are adjacent to the parcels included in the City of Stillwater, to the North.

5. Page 1 of the plan (Executive Summary) states that "The City of Lake Elmo and the WHP team intend to work with Washington County, Baytown and Stillwater Townships, the cities of Grant, Oak Park Heights and Stillwater and State and local agencies to encourage preservation of existing open space within the DWSMA. The majority of the area is fully developed..."

   The parcels in Stillwater Township do not include any public open space. They are not yet fully developed based on the Township's Zoning Ordinance. Some of the parcels could be subdivided and developed for Agricultural or Single-Family Residential uses.

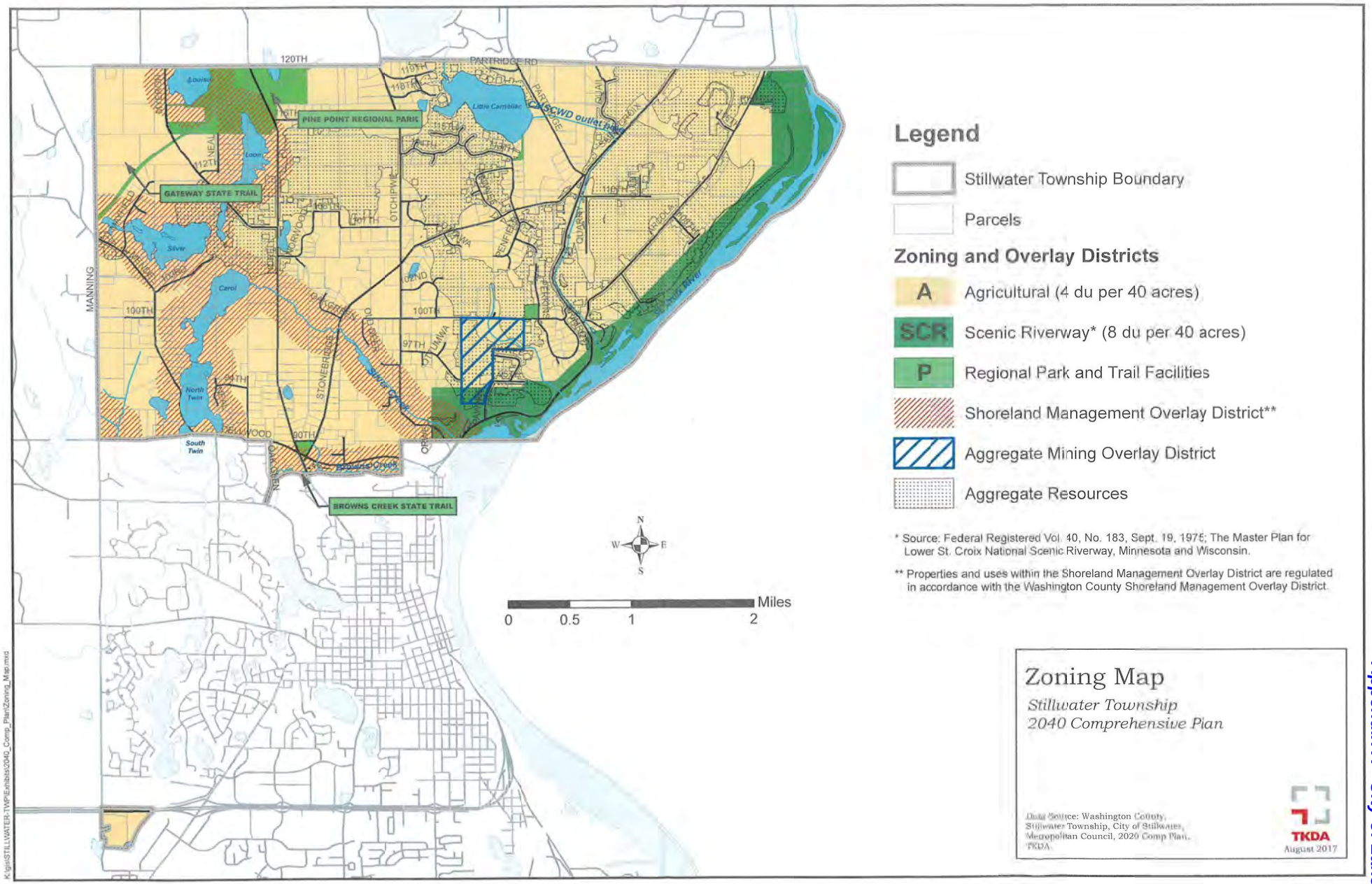
Please revise the Plan maps and text to include accurate information about the Township's land use and zoning classifications. If you have questions about the Township's zoning for the area included within the DWSMA, please contact me at 651.292.4582 or sherri.buss@tkda.com.

Sincerely,

Sherri A. Buss

Sherri A. Buss, RLA, AICP
Stillwater Township Planner

Cc: David Johnson, Town Board Chair
Kathy Schmoeckel, Clerk, Stillwater Township


120TH
PARTRIDGE RD
PINE POINT REGIONAL PARK
GATEWAY STATE TRAIL
BROWNS CREEK STATE TRAIL
MANNING
NEAL
NORWOOD
OTCHIPWE
LAKEVIEW
PERKINS
QUAIL
ORCHARD
OAKGLEN
DELLWOOD
STONEBRIDGE
OLD CREEK
Little Carnelian
Loon
Silver
Carol
North Twin
South Twin
St. Croix River
Browns Creek
SCWD outlet flow
Legend
Stillwater Township Boundary
Parcels
Zoning and Overlay Districts
A
Agricultural (4 du per 40 acres)
SCR
Scenic Riverway* (8 du per 40 acres)
P
Regional Park and Trail Facilities
Shoreland Management Overlay District**
Aggregate Mining Overlay District
Aggregate Resources
* Source: Federal Registered Vol. 40, No. 183, Sept. 19, 1975; The Master Plan for Lower St. Croix National Scenic Riverway, Minnesota and Wisconsin.
** Properties and uses within the Shoreland Management Overlay District are regulated in accordance with the Washington County Shoreland Management Overlay District.
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2
Miles
Zoning Map
Stillwater Township
2040 Comprehensive Plan
Data Source: Washington County, Stillwater Township, City of Stillwater, Metropolitan Council, 2020 Comp Plan, TKDA.
TKDA
August 2017
K:\gis\STILLWATER-TWP\Exhibits\2040_Comp_Plan\Zoning_Map.mxd

Tanks could pose a threat to the drinking water supply aquifer if they develop a leak. They will be addressed in the management strategies of this plan by education of the owners.

Class V injection wells are typically shallow disposal systems that are used to place a variety of fluids below the land surface. Examples of Class V injection wells include: motor vehicle waste disposal wells, large capacity cesspools, storm water drainage wells, aquifer remediation wells and large capacity septic systems. Class V wells are a concern because, in some situations, they may pose a risk to underground sources of drinking water. The risk a Class V well may present depends on factors such as: the type of fluid(s) it receives, its location in relation to water supply sources, its construction, maintenance and local geology. There is one Class V well in each DWSMA. These are large septic systems and are registered with and regulated by the Environmental Protection Agency.

Existing land uses, management and local land use controls within the Inner Well Management Zone (IWMZ or 200' radius around the public water supply wells) and the immediate one year time of travel area is shown in ***Table F*** and was reviewed and considered by the WHP team during the development of this plan. This is done to identify land use issues and related potential contaminants which may have the most immediate impact upon the public water supply wells.

Table F **- Potential Contamination Sources and Assigned Risk for the IWMZ**

Source Type	Well 1	Well 2	Well 4	Risk
SET – Septic Tank	2			M
GPR – Gravel Pocket – clean water	1	1	1	L
DRA – Drain field	2			M
SB1 – Sewer, buried – 1-2 residences		1		L
WAT – Lake, wetland, stream		1		L

The WHP team discussed the importance of on-going monitoring for land use changes and potential contaminants near the public water supply wells and awareness of the State Well Code isolation distances and the need to maintain these setback requirements. The area around the wells consists mainly of residential or public land. The two ~~septic systems~~individual sewage treatment systems located within the IWMZ will likely be hooked to municipal sewer within five years. A copy of the IWMZ forms and measures that have been identified are included in the ***Appendix*** of this plan. Management Strategies to address recommendations in the inventory and protect this area will be considered in Chapter Five of this plan.

3. Public Utility Services

Public Utilities and infrastructure that may impact groundwater quality in the DWSMAs were considered in the development of this plan. There are no public drainage ditches located within the City of Lake Elmo DWSMAs.

A public utilities and transportation map is shown in the ***Appendix*** and is available at the City offices and public works. CSAH 14 runs along the southeastern border of the one-year time-of-travel for City Well #1.

WELL AND CONTAMINANT SOURCE MANAGEMENT:

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1. Municipal Well Management Practices **WHP Measure #7:** Contact MDH to update the IWMZ survey form for all wells in the system every 7 years working in coordination with the MDH.	**G/H**	**H**	Lake Elmo MDH MRWA	Staff Time							X			
WHP Measure #8: Monitor setbacks for all new potential contaminant sources within the IWMZ.	**D**	**H**	Lake Elmo MDH	Staff Time	←----------On-Going----------→									
WHP Measure #9: Hook up SSTS located within the IWMZ of Well #1 to municipal sanitary sewer utility if feasible.	**D**	**H**	Lake Elmo	TBD	←----------If Feasible----------→									
WHP Measure #10: Mark floor drains in well houses "French drain – clean water only".	**D**	**H**	Lake Elmo	Staff Time	X									
WHP Measure #11: Replace cracked or deteriorated sewer lines within the IWMZ of Well #2.	**D**	**H**	Lake Elmo MDH	TBD	←----------On-Going----------→									
WHP Measure #12: Provide a map of the DWSMA to the local Fire Department, MNDOT, and the Washington County Highway Department. Request their awareness and prompt response to accidents, spills and clean-up efforts along CSAH 14 and Highway 36 near the PWS wells.	**E/F**	**H**	Lake Elmo Washington County MNDOT	Staff Time	X									
WHP Measure #13: Work with the DNR, MDH and Met Council to investigate water needs for the city and potential sources, including mitigation or removal from service of well #1.	**B/D/F**	**H**	Lake Elmo DNR MDH Met Council	Staff Time	←----------On-Going----------→									
WHP Measure #14: If well #1 is permanently removed from service, obtain MDH grant to seal the well and remove the DWSMA from the wellhead potential contaminant source inventory.	**D/G**	**H**	Lake Elmo MDH	Staff Time	←----------If Needed----------→									

WELL AND CONTAMINANT SOURCE MANAGEMENT (Cont.):

Description	Objective	Priority	Responsible Party & Cooperators	Cost	Implementation Time Frame									
					2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2. Municipal Well Security Issues **WHP Measure #15:** Purchase a generator for permanent standby use for well #2.	**E**	**H**	Lake Elmo MDH	Greater than $10,000		X								
WHP Measure #16: Purchase and install generator wiring and controls to accommodate generator needs.	**E**	**H**	Lake Elmo MDH	Greater than $10,000		X	X							
3. Old Municipal Well Management **WHP Measure #17:** If any old municipal wells are found, work with MDH to seal.	**H**	**M**	Lake Elmo MDH	Staff Time	←----------On-Going----------→									
4. Private Well Management **WHP Measure #18:** Contact Washington County – notify of unknown wells and support efforts to identify wells.	**A/D**	**H**	Lake Elmo MDH	Staff Time TBD	X	←----------As Needed----------→								
WHP Measure #19: Offer ~~100%~~ funding assistance for well sealing on unused/unsealed wells located in the DWSMA through billing inserts and on website if funding is available through MDH implementation grant.	**D/G**	**H**	Lake Elmo SWCD	Approx. $1,700 per well			X							
5. Class V Wells **WHP Measure #20:** Update and identify any new known potential Class V Wells in the DWSMA. Contact MDH Planner for assistance with a suspected owner of a Class V well.	**B**	**M**	Lake Elmo MDH EPA	Staff Time	←----------On-Going----------→									
6. Tanks, Leaks and Contaminants of Concern **WHP Measure #21:** Provide mailing to existing active tank owners containing information on proper tank management.	**A/D**	**M**	Lake Elmo	Staff Time				X						
WHP Measure #22: If wells show contaminants, work with MPCA to determine if closed sites need to be re-activated.	**D/F**	**M**	Lake Elmo	Staff Time	←----------If Needed----------→									