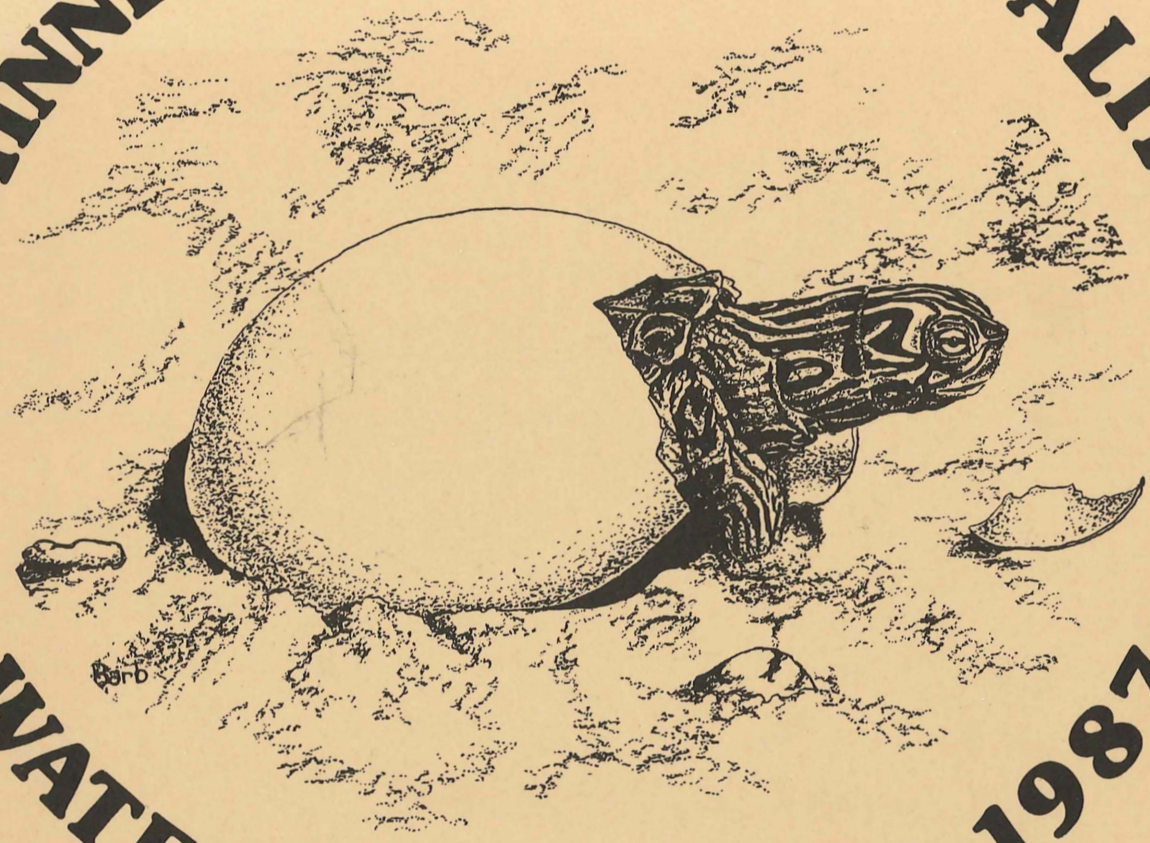
MINNESOTA WATER QUALITY



WATER YEARS 1986-1987

The 1988 Report to the Congress of the United States

MINNESOTA POLLUTION CONTROL AGENCY

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The drawing of the turtle emerging from its shell was done by Barbara Jablonski, a Pollution Control Specialist in Water Quality at MPCA. The turtle, who lives both on land and in the water, symbolizes the connection between life in the water and life on land. Pollution control efforts are, likewise, increasingly focusing on the connection between land use activities and protection of water quality.

Minnesota Water Quality

Water Years 1986–1987

The 1988 Report to the Congress of the United States by the State of Minnesota Pursuant to Section 305b (b) of the Federal Water Pollution Control Act

Minnesota Pollution Control Agency
St. Paul, Minnesota 55155

May 1988

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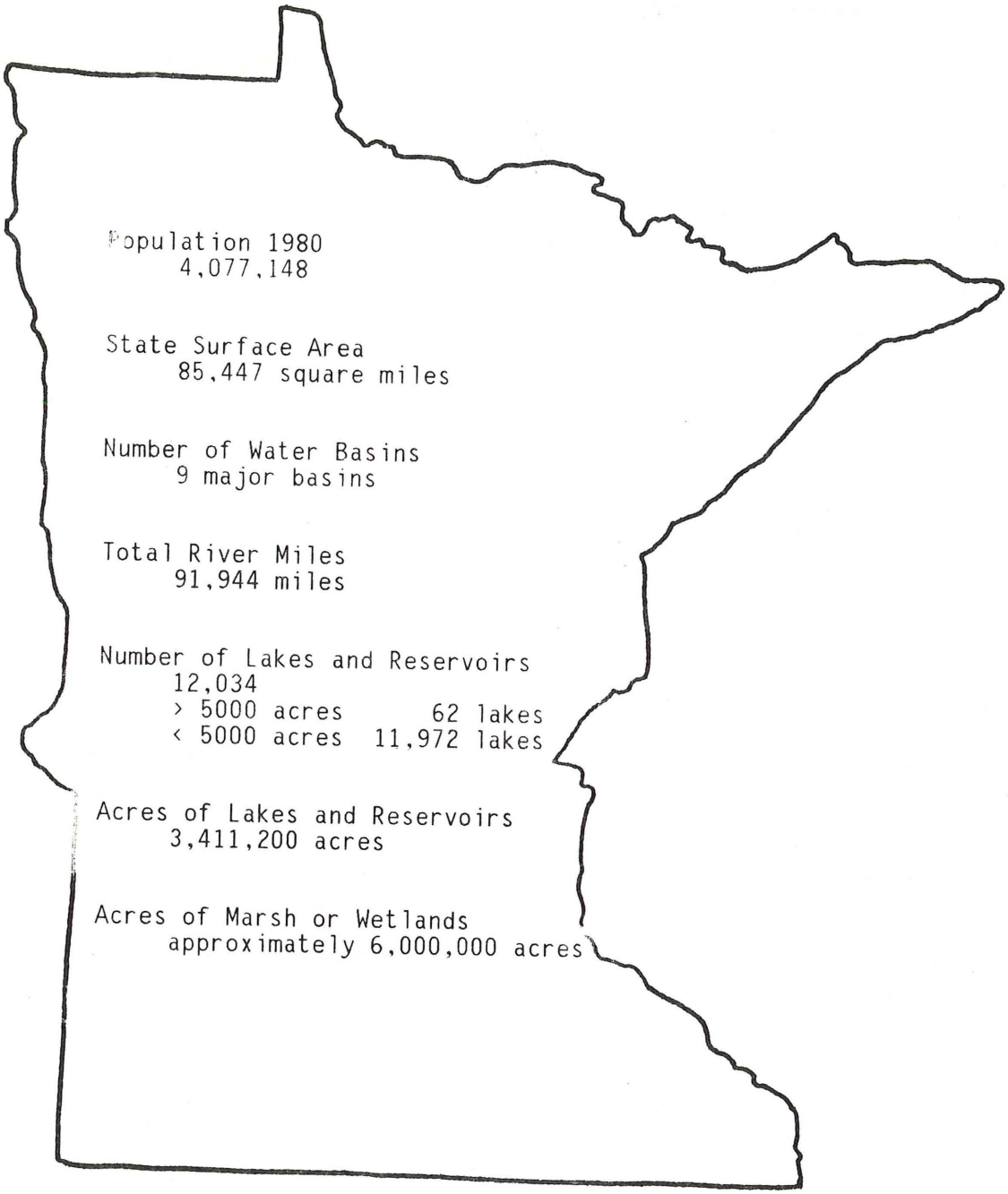
Minnesota

Background



Population 1980
4,077,148

State Surface Area
85,447 square miles

Number of Water Basins
9 major basins

Total River Miles
91,944 miles

Number of Lakes and Reservoirs
12,034
> 5000 acres 62 lakes
< 5000 acres 11,972 lakes

Acres of Lakes and Reservoirs
3,411,200 acres

Acres of Marsh or Wetlands
approximately 6,000,000 acres

I. EXECUTIVE SUMMARY

The 305(b) Report is prepared by the Minnesota Pollution Control Agency (MPCA) to provide a summary of water quality information for the U.S. Environmental Protection Agency (EPA) and Congress. The report also serves as a source of information for the public and can be used in local water quality management efforts.

Minnesota's waters are classified for a variety of beneficial uses, including domestic consumption, fisheries and recreation, industrial consumption, agriculture and wildlife, aesthetic enjoyment and navigation. Data collected over a period of several years were used to determine support for the designated uses of surface waters. For waters that do not fully support their uses, the MPCA addresses the causes of nonsupport through a variety of programs that focus on point source and nonpoint source pollution problems.

In assessing state lakes, MPCA staff used monitoring data and a survey designed to identify trophic status according to user perception of physical appearance and recreational suitability. A total of 1,435,554 lakes acres, or 42 percent, were assessed. For lakes with surface areas less than 5,000 acres, 668,953 acres were assessed. Of this number, 496,966 acres were fully supporting, 58,402 acres were partially supporting and 113,585 acres were not supporting fishable and swimmable uses. For lakes with surface areas greater than 5,000 acres, 766,601 acres were assessed; 701,743 acres were found to be fully supporting, 9,220 acres were partially supporting and 55,638 acres were not supporting the designated uses. The cause of nonsupport for all lakes was nutrient loading, primarily from nonpoint source pollution.

Use support for rivers and streams was based on both monitored and evaluated data. Of 91,944 total river miles in the state 4,443 miles (approximately five percent) were assessed. Of these, 1,553 miles were found to be fully supporting the designated uses, 564 miles were partially supporting and 2,326 miles were not supporting the designated uses. The sources of nonsupport were attributable to point and nonpoint pollution; 783 miles were nonsupporting due to point sources of pollution, while 2,107 miles were nonsupporting due to nonpoint or unknown sources of pollution.

Minnesota has approximately 6 million acres of wetlands which interact with surface water lakes and streams and ground water. Since no regulatory system exists that provides comprehensive wetland inventory and protection, no reliable estimate of wetland loss or creation is possible.

Ground water supplies more than 75 percent of the drinking water in the state. The overall quality of ground water is good; it usually meets all primary drinking water standards. However, there is growing concern over increased nitrate and pesticide contamination. The MPCA has identified areas which may be susceptible to ground water contamination and implemented ground water monitoring programs. The state Ground Water Protection Strategy and development of municipal ground water standards are examples of efforts to control and abate ground water pollution.

An inventory of impacted waters is included in this report. This inventory identifies all the waters of the state that have been assessed as being impacted by some form of pollution.

Fish tissue analyses were used to identify waters which are contaminated with bioaccumulative toxics and to monitor heavily used waters for potential problems. The waterbodies used for this assessment may not be representative of all Minnesota waters. The fish tissue data were collected during 1975-1986. For lakes with surface areas greater than 5,000 acres, a total of 1,185,384 acres were assessed. Of this acreage, 7 percent fully supported fish consumption uses, 92 percent partially supported, and 1 percent did not support fish consumption uses. Mercury and PCBs were the primary sources of nonsupport. For lakes less than 5,000 acres, 181,742 acres were assessed. Of this acreage, 20 percent fully supported fish consumption uses and 80 percent partially supported fish consumption uses. Mercury contamination was the primary cause of nonsupport. Fish from 101 river locations, representing 1,855 miles were analyzed. Thirteen locations, or 256 miles (14 percent) fully supported fish consumption uses. Forty-four locations, or 1,121 miles (60 percent) partially supported and 44 locations, or 478 miles (26 percent) did not support fish consumption uses. Rivers below major municipalities generally are contaminated with PCBs and to some extent, mercury. Dioxins have been found in three areas of the state.

Through the efforts of the MPCA and the EPA to attain the goals of the Clean Water Act, control of point source discharge has been vastly improved. As land use increases and intensifies, the adverse impact of nonpoint source pollution and toxic contamination presents an increasing challenge to the state to protect the quality of Minnesota's water. To meet this challenge, the MPCA proposes the following recommendations:

1. The funding for the Clean Lakes Program be reinstated.

2. The funding for the Nonpoint Source Program (Section 319) be provided, the Clean Water Partnership Program be increased and other nonpoint source programs be expanded and coordinated.

3. The toxics-monitoring program receive increased support.

4. The EPA continue to support the development of existing and new data bases.

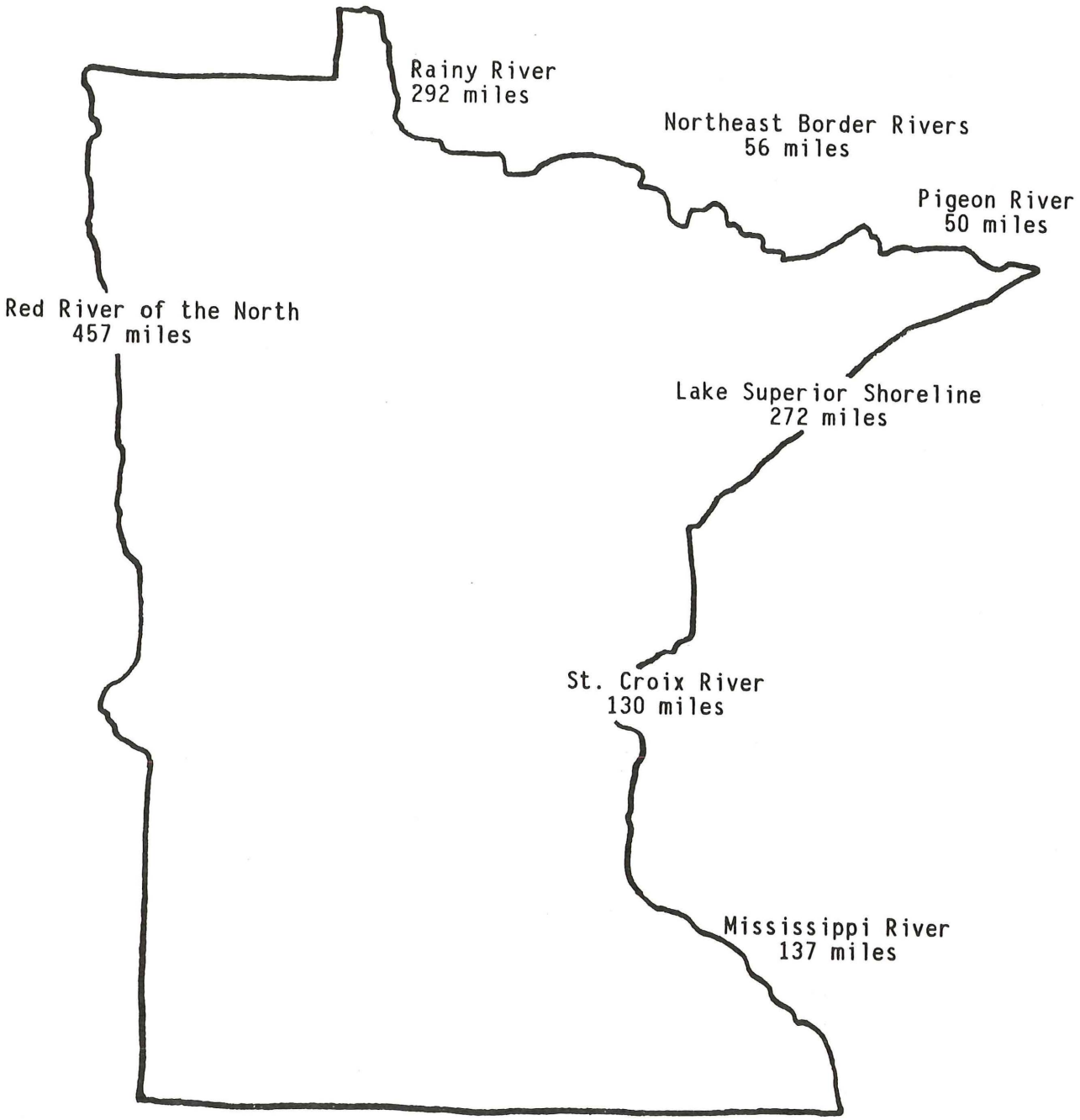
5. Support and technical assistance continue to be provided by EPA Corvallis Environmental Laboratory in development and verification of ecoregions.

6. Minnesota's Clean Water Strategy be developed.

FIGURE 2.

Minnesota

Border Rivers



II. INTRODUCTION

Minnesota is rich in water resources - with 91,944 river miles, 3.4 million lake acres and 6 million acres of wetlands at the disposal of state citizens and visitors (Figures 1 and 2). The potential recreational and economic use of these waterways is vast, and with this enormous potential comes great responsibility. Federal and state environmental controls exist to regulate the use of water resources, as well as to protect them from abuse. The mandate of the MPCA is to revise and implement these controls, so that state water resources may be used to benefit all.

This report was prepared for two purposes. First, as required by the Clean Water Act, it provides a biennial summary of state water quality to the EPA and Congress. Second, it serves as a planning tool and information source for local resource management organizations, environmental groups, industry, the academic community and interested private citizens.

The data used in preparation of this report was collected primarily by the MPCA in its ongoing monitoring and analysis of state surface and ground waters. The data base includes long-term records and is not confined to information collected during 1987 and 1988.

In preparing this report, MPCA staff used several new approaches to evaluate water quality that were not part of the 1985-1986 summary.

Two surveys were developed by MPCA staff and used in assessing water quality conditions; the user perception survey is described in the Inland Lakes section, and the nonpoint pollution survey is discussed in the material on nonpoint source pollution.

There is an expanded analysis of regional water quality based on the ecoregion framework developed by the EPA Environmental Research Laboratory in Corvallis, Oregon. Ecoregions are defined by land use, soil type, land surface form and natural vegetation. MPCA staff have used the ecoregion framework to help characterize naturally occurring variations in water quality.

The nonpoint source discussion in this year's report is much more detailed than in the 1985-1986 report and includes a statewide and regional assessment of nonpoint source ground water problems. The regional assessment is based on three demonstration projects located in Minnesota; these projects are partially funded by a federal Consolidated Ground Water Grant.

The section of this year's report covering toxics-related concerns has also been expanded and includes a detailed assessment of concentrations of toxics in fish tissue, sediment contamination and fish kills.

In Minnesota, 75 percent of the population relies on ground water for drinking water supplies - making it imperative that the state's ground water quality be maintained. This report, in response to growing public concern about the safety of ground water supplies, addresses ground water issues to a greater extent than in previous years.

There are no easy solutions to pollution problems. Increased land development and population growth are certain to place additional stress on Minnesota's water resources. Only with continued efforts to abate pollution and careful management practices can Minnesotans be assured that the state's valuable water resources will provide recreational and economic benefits for current and future residents.

III. INLAND LAKES/RESERVOIRS/PONDS

A. Background

Minnesota, "Land of 10,000 Lakes" is really the land of 12,034 lakes, encompassing 3,411,200 acres. Of this number less than 1 percent (62) have surface areas greater than 5,000 acres. However, these lakes represent approximately 1,000,000 acres, or roughly 30 percent of the total. A majority of the lakes (70 percent) have surface areas between 10 to 100 acres.

The "ecoregion" framework as developed by the Environmental Research Laboratory in Corvallis, Oregon, has been used by the MPCA since 1985. The seven ecoregions in Minnesota are defined by land use, soils, land surface form, and potential natural vegetation (Figure 3). Using this information in conjunction with water quality data for the area, provides a more complete assessment of water quality.

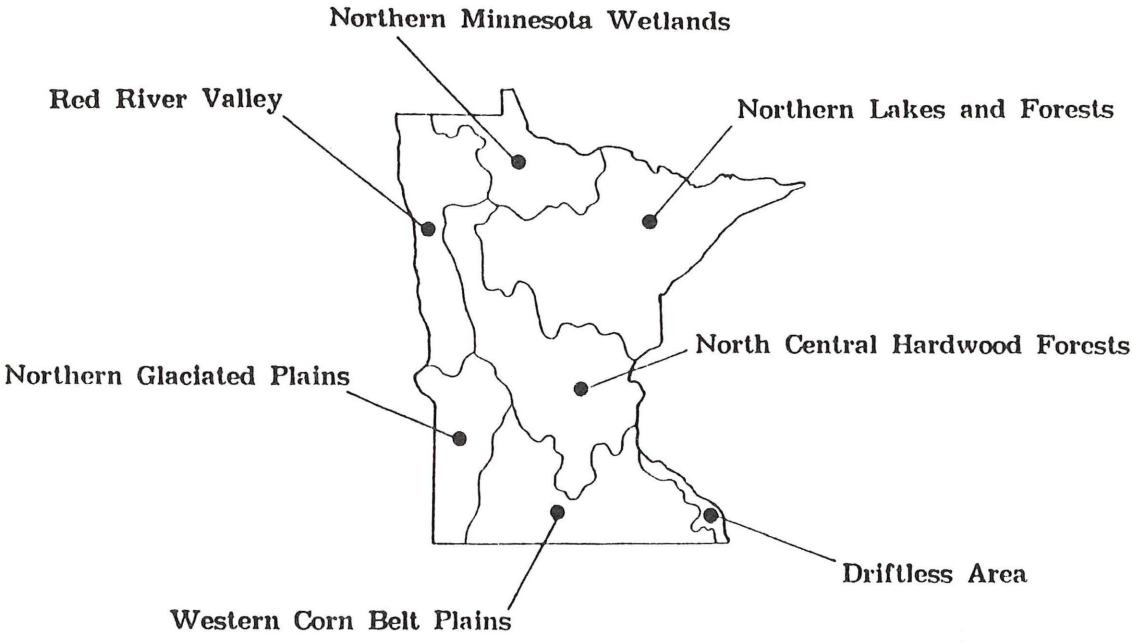


Figure 3. Ecoregions of Minnesota.

Ninety-eight percent of Minnesota's lakes occur in four of the seven ecoregions: Northern Lakes and Forests, North Central Hardwood Forests, Northern Glaciated Plains, and Western Corn Belt Plains. Land use varies regionally. The Northern Lakes and Forests is dominated by forests, with some water and marsh, while the Northern Glaciated Plains and Western Corn Belt Plains are primarily cultivated with some pasture and open land. The North Central Hardwood Forests ecoregion consists of a mixture of land uses (Table 1). The subsequent lake data assessment will focus on these four ecoregions.

Table 1. Land use patterns by ecoregion. Percent of 40 acre parcels with land use characteristic. Based on 1968-69 land use data. (Planning and Information Center, State Planning, 1986).

	ECOREGION			
LAND USE (%)	NORTHERN LAKES FORESTS	NORTH CENTRAL HARDWOOD FORESTS	NORTHERN GLACIATED PLAINS	WESTERN CORN BELT PLAINS
Cultivated	4.6	49.3	83.7	82.9
Forested	75.2	15.9	0.7	3.5
Water and Marsh	10.6	8.1	2.9	1.7
Pasture and Open	7.3	21.4	11.4	10.0
Developed	1.9	5.2	1.2	1.8
Extractive	0.4	0.1	0.1	0.1

B. Trophic Status

Lake water quality can be examined in a number of ways, but one of the most useful tests of lake water quality is a determination of its trophic status. The trophic status of a lake refers to the level of nutrient concentrations within the lake, and to overall lake productivity.

The four trophic levels mentioned in this report are oligotrophic, mesotrophic, eutrophic and hypereutrophic. An oligotrophic lake has the lowest level of nutrients; it is clear and deep, with very little algae. Mesotrophic lakes have higher nutrient concentrations than oligotrophic lakes, but the water is still relatively clear. Algae is noticeable in a mesotrophic lake. A eutrophic lake has high nutrient concentrations and heavy algal growth. Hypereutrophic lakes display the highest nutrient concentrations and the most algae. The water from these lakes is often characterized as "green," and can have a strong odor.

A trophic status index was calculated for each lake using Secchi disk transparency, total phosphorus and chlorophyll-a concentrations. The numbers of the scale range from 0-100; on the low end of the scale (20-40) are the oligotrophic lakes, at the high end (65-100) are the hypereutrophic lakes (see Figure 4).

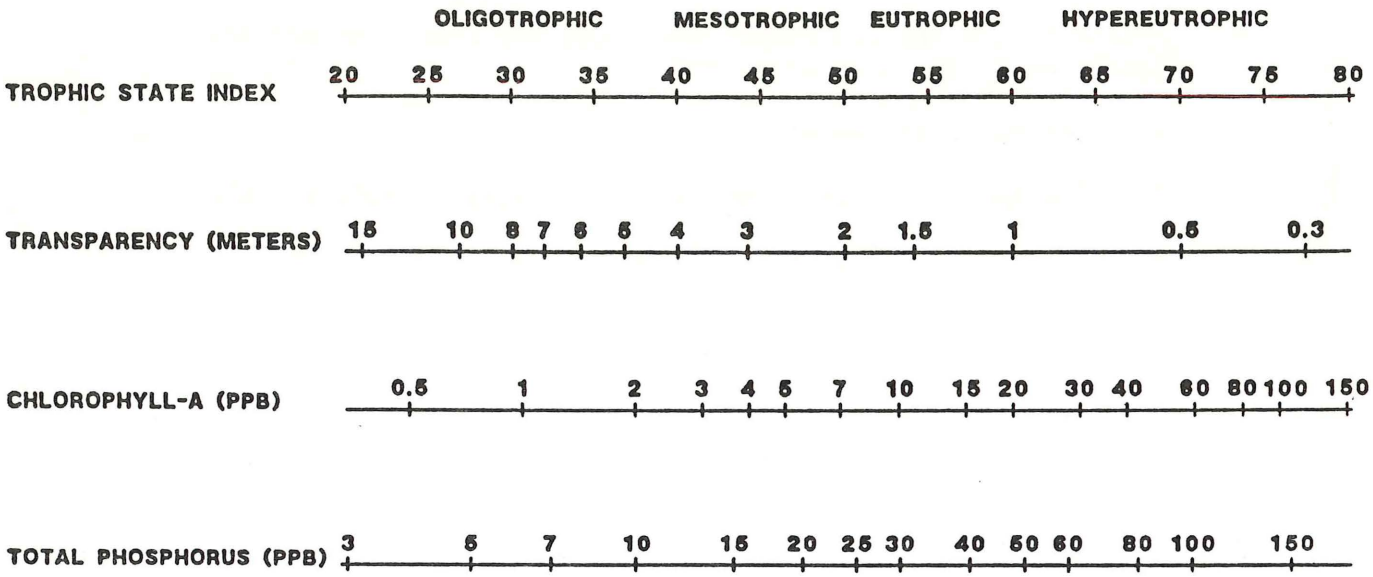


Figure 4. Carlson's Trophic State Index.
(Graph from North American Lake Management Society)

C. Use Attainment

The threatened or impaired status and supporting, partial supporting and nonsupporting status were evaluated in terms of aesthetics and "swimmable" conditions. The evaluation of aesthetics and swimmability was derived from recent work by Heiskary and Walker, (1988). This work relates user perception in terms of the physical appearance and recreational suitability of a lake to trophic status. This survey was given to professional observers on the MPCA staff and to participants of the Citizen Lake Monitoring Program (CLMP) during June, July and August.

Table 2. Lake Observer Survey. Taken from Heiskary and Walker (1988)

A. Please circle the one number that best describes the physical condition of the lake water today:

1. Crystal clear water.

2. Not quite crystal clear, a little algae present/visible.

3. Definite algal green, yellow or brown color apparent.

4. High algal levels with limited clarity and/or mild odor apparent.

5. Severely high algae levels with one or more of the following: massive floating scums on lake or washed up on shore, strong foul odor, or fish kill.

B. Please circle the one number that best describes your opinion on how suitable the lake water is for recreation and aesthetic enjoyment today:

1. Beautiful, could not be any nicer.

2. Very minor aesthetic problems; excellent for swimming, boating, enjoyment.

3. Swimming and aesthetic enjoyment slightly impaired because of algae levels.

4. Desire to swim and level of enjoyment of the lake substantially reduced because of algae levels (would not swim, but boating is okay).

5. Swimming and aesthetic enjoyment of the lake nearly impossible because of algae levels.

Definitions for support and nonsupport of swimmable use are as follows:

1. Fully supporting: Lakes fully supporting should exhibit "impaired swimming" conditions less than 10 percent of the time and, in terms of physical conditions, should exhibit "high algal levels" less than 10 percent of the time.

2. Fully supporting - threatened: These lakes may exhibit "impaired swimming" conditions 11-25 percent of the time and high algal levels 11-25 percent of the time.

3. Partial support - impaired: These lakes may exhibit "impaired swimming" 26-50 percent of the time and "no swimming" 11-25 percent of the time. In terms of physical condition, these lakes may exhibit "high algal" levels 26-50 percent of the time.

4. Nonsupport - impaired: These lakes will exhibit "no swimming" conditions greater than 25 percent of the time and "no recreation possible" on occasion. In terms of physical condition, these lakes will exhibit "high algal" levels greater than 50 percent of the time.

Using these criteria for defining support - nonsupport, etc., these "user perceived" conditions were related to lake trophic status as derived from MPCA's regional lake monitoring and CLMP.

1. Acres Assessed

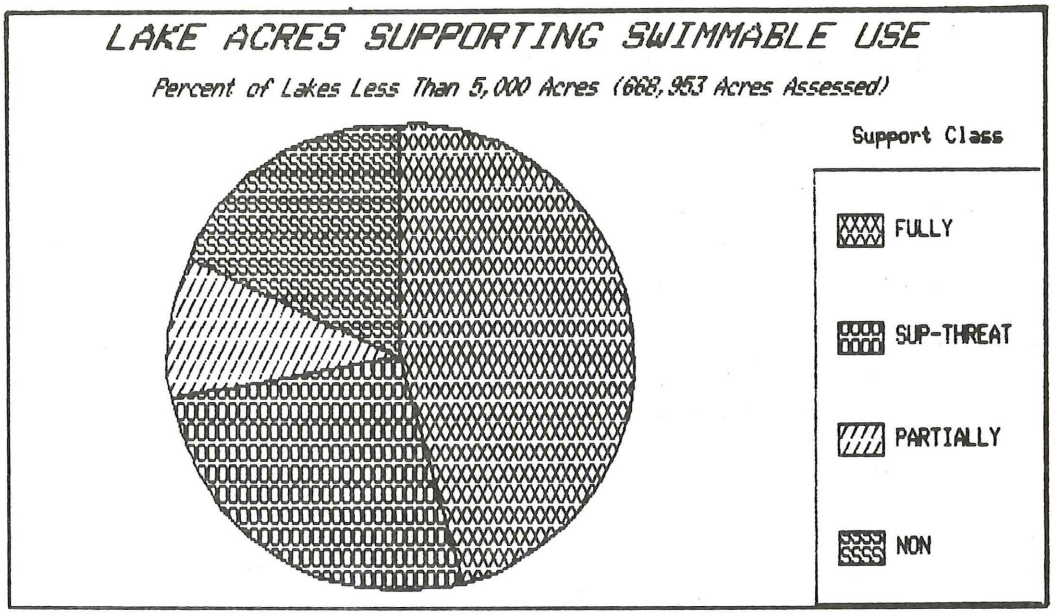
A total of 1,435,554 acres, or roughly 42 percent of the State's lake acres, are included in this assessment.

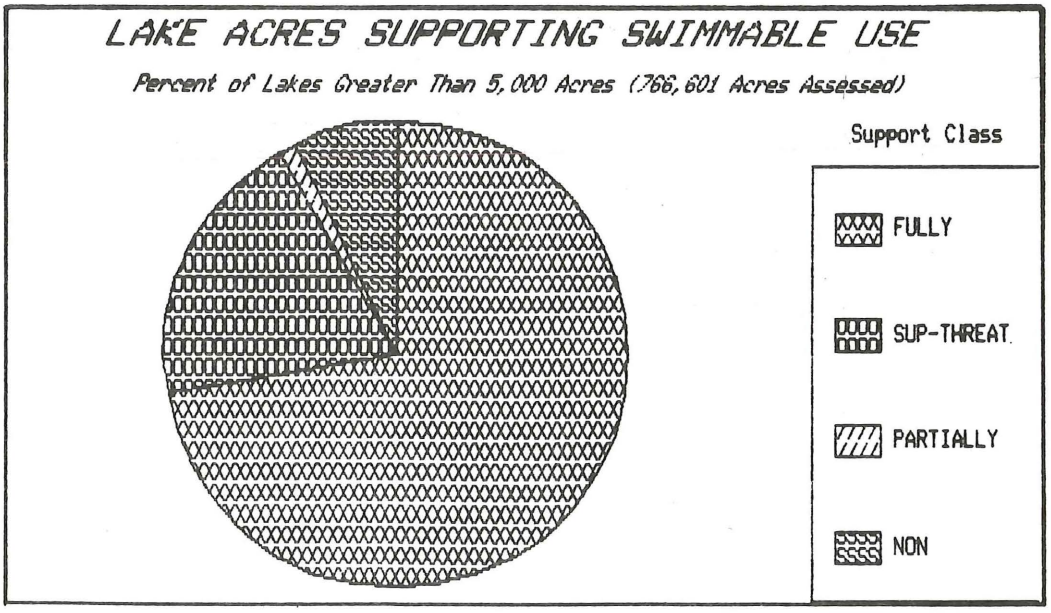
For lakes with surface areas less than 5,000 acres, 668,953 acres were assessed. Of this number, 342,263 acres (652 lakes) or 51 percent were monitored. In terms of the numbers of lakes, 1,375 were assessed corresponding to about 11 percent of the lakes in the state with surface areas less than 5,000 acres.

For lakes with surface areas greater than 5,000 acres 766,601 acres were assessed. Of this number, 317,349 or 41 percent were monitored. In terms of numbers, 33 lakes were assessed, corresponding to 53 percent of the lakes with surface areas greater than 5,000 acres.

Figure 5 shows the relative use support for assessed lakes less than 5,000 acres and for lakes greater than 5,000 acres. All lakes in Minnesota are designated for both fishable and swimmable uses.

Figure 5. Distribution of lakes supporting swimmable use in Minnesota by lake size





2. Use Support by Ecoregion

The ecoregion framework provides us with an opportunity to examine trends in trophic status and use support for Minnesota's lakes. Figure 6 is a map of all the lake stations for which we have monitored or evaluated data. Monitored data is comprised of lakes with "summer" data collected between 1982 through 1987, with "summer" defined as the period between June 24-September 11. Evaluated data includes information from lakes that don't meet monitored criteria, but do have total phosphorus, chlorophyll-a and/or Secchi transparency measurements collected between 1977-1987. The map shows the distribution of these stations by ecoregion.

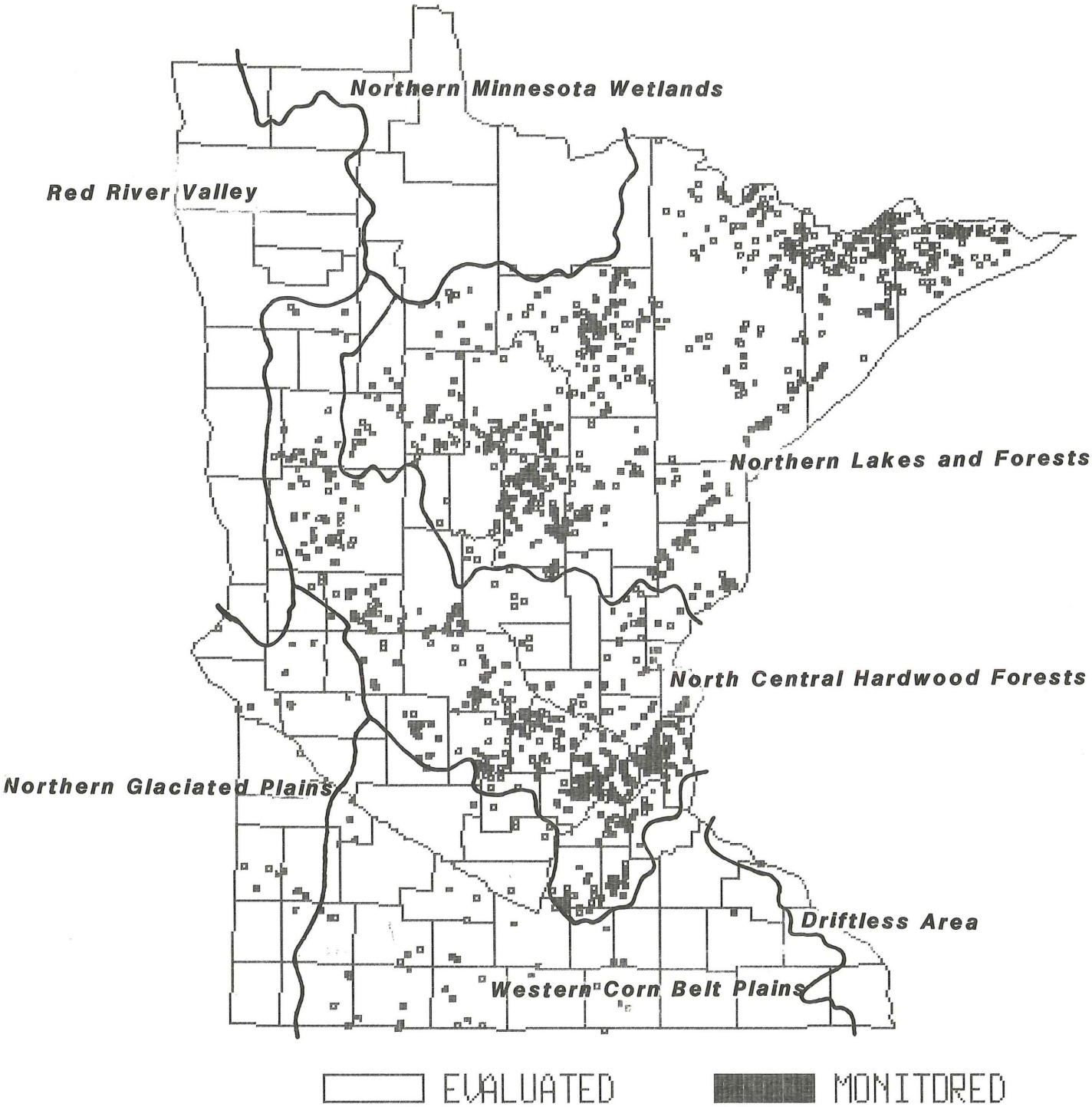
All lakes designated as fully supporting swimmable use are located in either the Northern Lakes and Forests or North Central Hardwood Forests ecoregions. The majority of lakes designated as supporting-threatened (98 percent) or partially supporting-impaired (94 percent) are also located in these two regions. Lakes designated as nonsupporting swimmable use are found in each ecoregion, with the majority (70 percent) in the Central Hardwood Forests. Table 3 provides a breakdown of assessed lakes by ecoregion.

TABLE 3. LAKE ASSESSMENT SUMMARY BY ECOREGION

Characteristic	Northern Lakes Forest	North Central Hardwood Forests	Western Corn Belt Plains	Northern Glaciated Plains
Number of lakes total:	5,558	4,765	577	855
Number of lakes assessed:	793	533	58	21
Percent of total:	14%	11%	10%	2%
Number of lakes monitored:	314	309	25	14
Percent of total:	40%	58%	46%	67%
Number of acres assessed:	1,005,759	313,882	48,776	29,164

Figure 6.

Map of Lake Stations by Ecoregion
Monitored or Evaluated



The following is a summary of trophic status and use support by ecoregion.

The Northern Lakes and Forests ecoregion contains approximately 5,558 lakes or about 46 percent of Minnesota's lakes. These lakes are generally small and deep. Based on the assessed lakes, surface areas are typically 100 - 550 acres, while maximum depths are typically between 20 - 60 feet.

The trophic status of lakes in this region range from oligotrophic to hypereutrophic. The vast majority (92 percent) of the assessed lakes in this region fully support swimmable use, while less than 2 percent do not support swimmable use.

The North Central Hardwood Forests ecoregion contains approximately 4,765 lakes or about 40 percent of Minnesota's lakes. In terms of physical morphometry, these lakes are quite similar to those of the Northern Lakes and Forest ecoregion.

A very wide range in trophic status is evident in the lakes of this region, ranging from oligotrophic to hypereutrophic. Typically, lakes in this ecoregion can be characterized as eutrophic in nature. The remainder are rather evenly divided between mesotrophy and hypereutrophy.

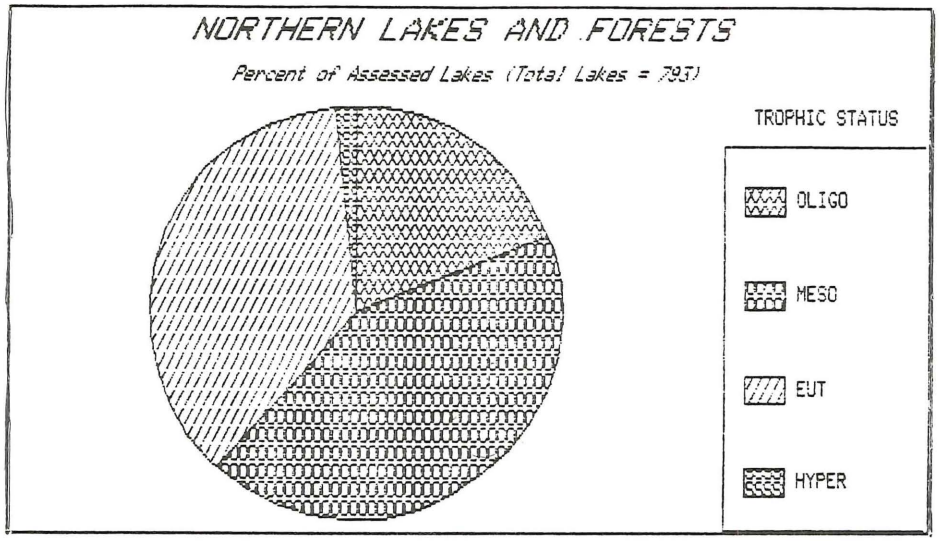
The Western Corn Belt Plains ecoregion contains approximately 577 lakes, or about 5 percent of Minnesota's lakes. In general, these lakes are quite shallow and have larger surface areas than the lakes in the Northern Lakes and Forests and North Central Hardwood Forests ecoregions. Typically, surface areas are between 250 - 1,000 acres and maximum depths are between 5 - 20 feet.

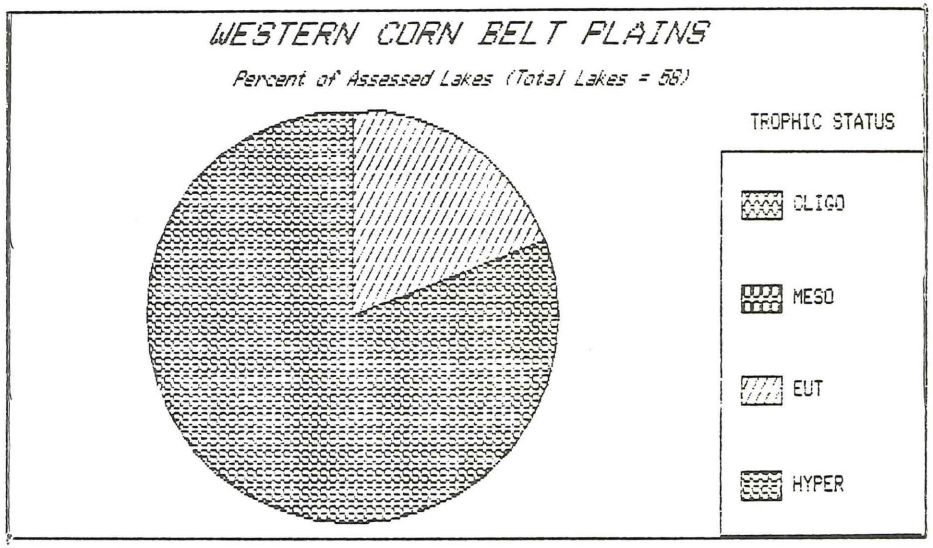
All assessed lakes in this region are either eutrophic or hypereutrophic, and less than 10 percent of the lakes in this region support swimmable use.

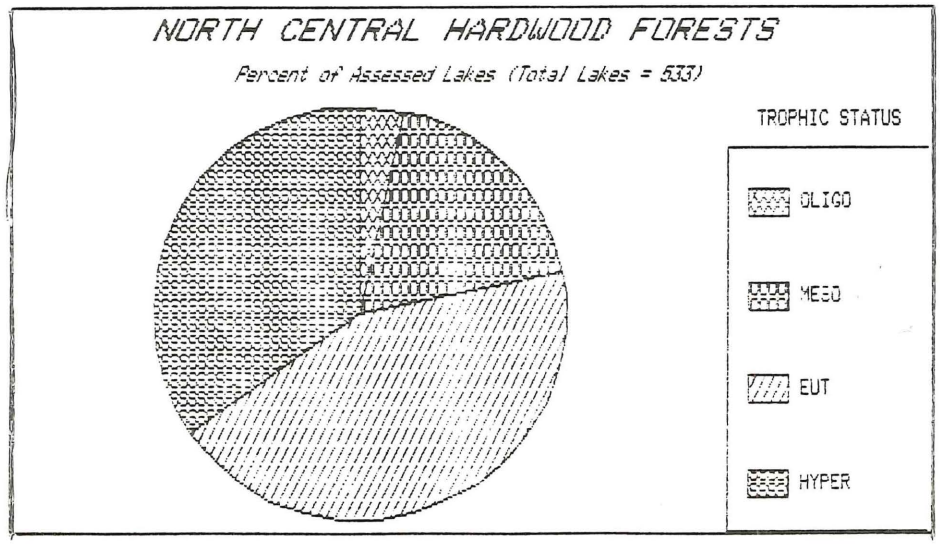
The Northern Glaciated Plains ecoregion contains approximately 855 lakes, or about 7 percent of Minnesota's lakes. Lakes in this region are all quite shallow and rather large in size. Based on assessed lakes, surface areas are typically 250 - 900 acres and maximum depths are typically 6 - 12 feet.

The lakes in this region are very fertile, based on their phosphorus concentrations, and virtually all can be considered hypereutrophic. Figure 7 depicts lake trophic status for the four ecoregions, while Figure 8 depicts use support for the same four ecoregions.

Figure 7. Distribution of lake trophic status by ecoregion







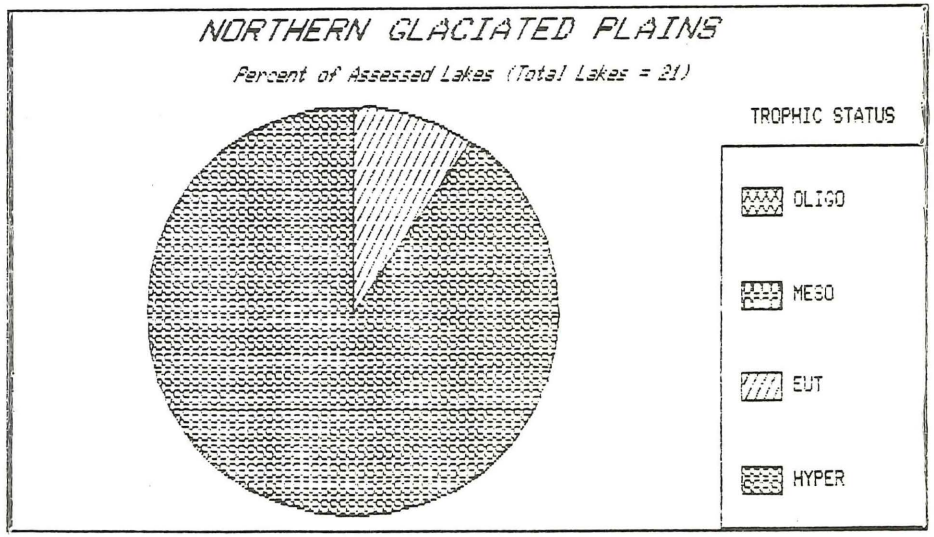
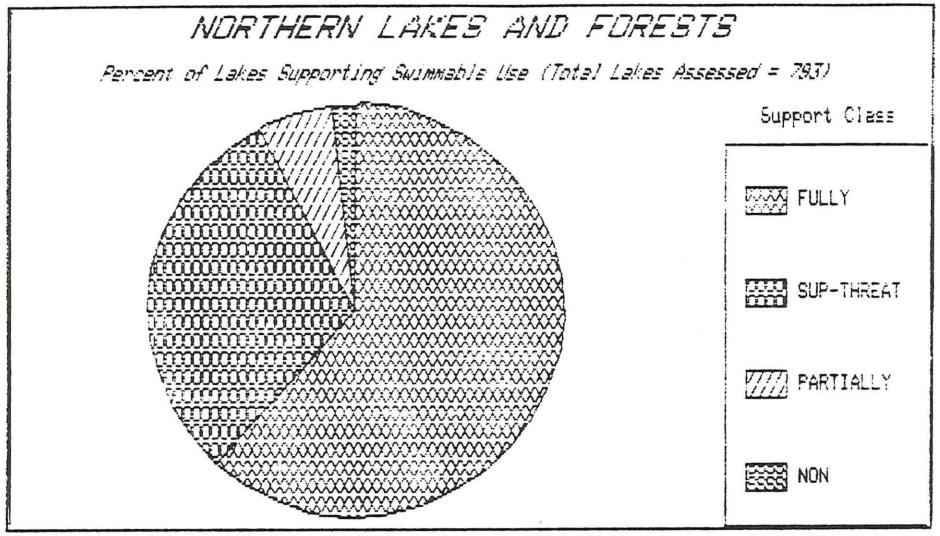
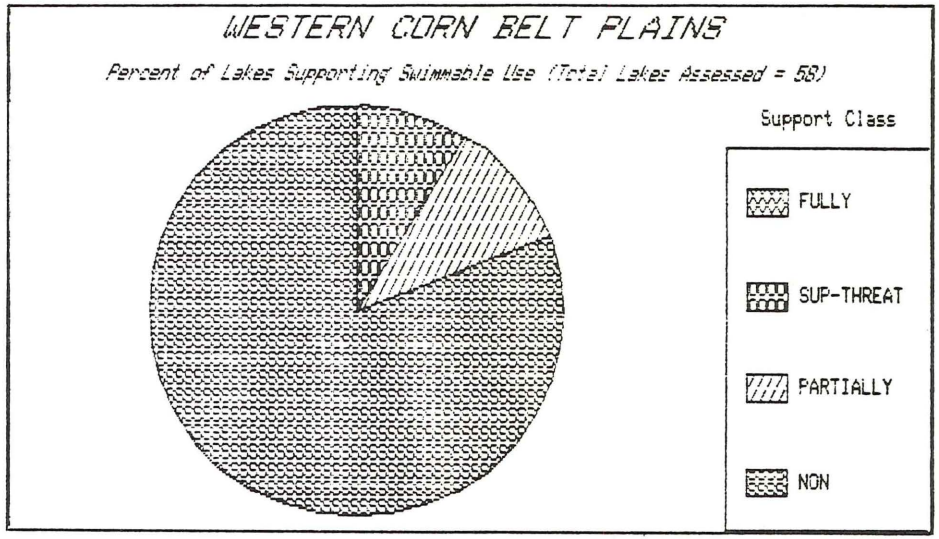
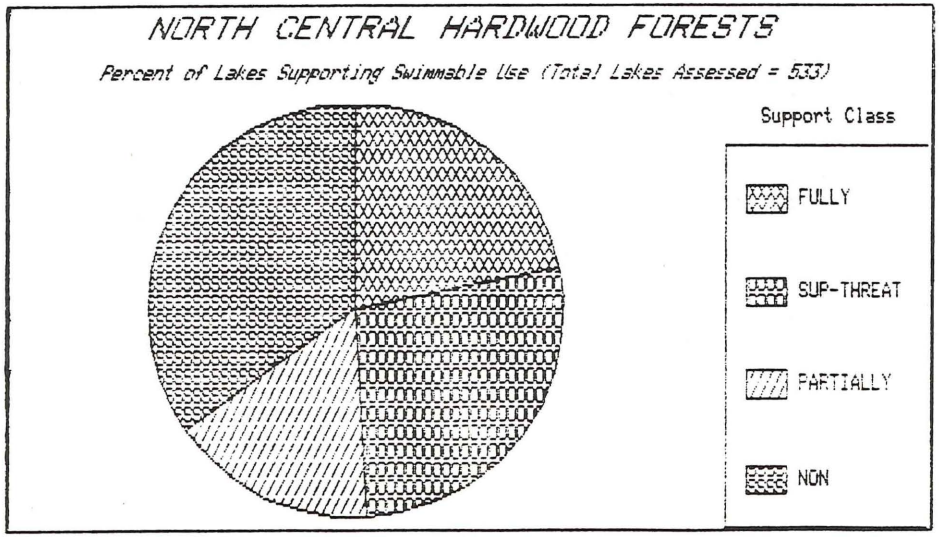
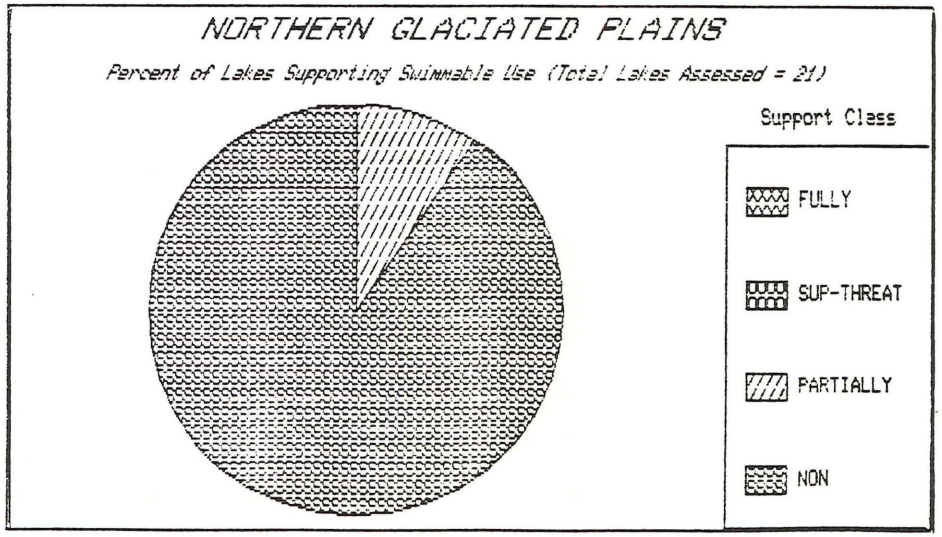


Figure 8. Distribution of lakes supporting swimmable use by ecoregion









3. Summary of Lake Assessment Results

Table 4 summarizes the results of the lake assessment.

Table 4. DESIGNATED USE SUPPORT
LAKES

	Lakes less than 5,000 acres		Lakes greater than 5,000 acres	
Support of Designated Uses	Acres Assessed	Acres Monitored	Acres Assessed	Acres Monitored
Fully supporting	496,966		701,743	
Partially supporting	58,402		9,220	
Not supporting	113,585		55,638	
TOTAL	668,953	342,263	766,601	317,349

All lakes in Minnesota are designated for both fishable and swimmable uses.

D. Great Lakes

A comparison of ambient monitoring data with water quality standards for Lake Superior monitoring sites would indicate that the shoreline fully supports its designated uses. However, because of a fish consumption advisory, the entire shoreline is classified as not supporting fishable use.

The Minnesota Department of Health (MDH), in conjunction with the Wisconsin Department of Health, issued a lakewide advisory for lake trout over 30 inches in May 1986, which is still in effect. This is a change from the previous year, for which there was no advisory on Lake Superior. The new advisory probably reflects an assessment of a species and size of fish that wasn't previously available and probably does not reflect worsening conditions.

The St. Louis Bay is an area of concern where contaminated sediment has been identified as a major source of contaminants to aquatic life by the International Joint Commission (IJC). Development of a "Remedial Action Plan" (RAP) has been initiated.

E. Trends in Lake Transparencies

Minnesota's Citizen Lake-Monitoring Program (CLMP) involves voluntary assistance from citizens. Participants take weekly transparency measurements on their lake during the summer months. This information adds significantly to the state's water quality data base and, for many lakes, is the only data available.

Not only do these measurements provide current information, they also allow MPCA to assess long-term trends in lake quality. Lakes which have ten years or more of data were analyzed for trends over time.

Results of this analysis are given in Table 5. This table lists nine lakes with a significant increase in transparency, 18 lakes where transparency changes are too small to be considered significant, and three lakes with a significant decrease in transparency.

Although it is encouraging to note that more of the lakes with ten years or more of data experience an increase in transparency than a decrease (see Table 5), these lakes are not necessarily representative of all Minnesota lakes.

F. Causes of Nonsupport of Designated Uses

Relative Assessment of Sources of Nonsupport of Uses.

The nature of runoff from a lake's watershed, both its quantity and quality, in conjunction with the physical characteristics of the lake, determines the water quality of the lake. Generally, runoff from cultivated and urban areas will carry more nutrients and sediments to lakes than that from forested or wetland areas. The mean depth (or maximum depth) together with the surface area of a lake provides an indication of the lake's ability to assimilate nutrients and sediments coming from the watershed, as well as the likelihood of internal sources of nutrients contributing to the production of algae and rooted vegetation. Thus, as inlake total phosphorus increases, lake eutrophication tends to increase. The impact of increased nutrient levels, together with nonpoint source pollution (NPS), contribute to impairment, or nonsupport of a lake's uses.

Table 5.

Trend Over Time in Water Transparency
Secchi Disc Readings

Lakes with 10 years or more of data

	LAKE-ID	NAME	COUNTY	ECOREGION
Significant Increase in Transparency	01-0102	Wilkins	Aitkin	NLF
	18-0041-02	Crooked (Main Basin)	Crow Wing	NLF
N=9	27-0133-02	Minnetonka	Hennepin	NCHF
	32-0022	Clear	Jackson	WCBP
	62-0006	Kohlman	Ramsey	NCHF
	82-0103	Olson	Washington	NCHF
	86-0146	Ida	Wright	NCHF
	86-0279	Twin	Wright	NCHF
	86-0289	Sylvia	Wright	NCHF
Nonsignificant Increase in Transparency	02-0084	Crooked	Anoka	NCHF
	03-0387	Floyd	Becker	NCHF
N=13	04-0130	Bemidji	Beltrami	NLF
	11-0305	Gull	Cass	NLF
	11-0383	Pleasant	Cass	NLF
	11-0413	Ten Mile	Cass	NLF
	16-0228	West Bearskin	Cook	NLF
	18-0311	Rush	Crow Wing	NLF
	19-0027	Crystal	Dakota	NCHF
	29-0077	Third Crow Wing	Hubbard	NLF
	34-0142	George	Kandiyohi	NCHF
	82-0080	Halfbreed	Washington	NCHF
	82-0101	Demontreville	Washington	NCHF
Nonsignificant Decrease in Transparency	10-0059	Waconia	Carver	NCHF
	19-0021	Alimagnet	Dakota	NCHF
N=5	27-0039	Cedar	Hennepin	NCHF
	29-0066	Midge	Hubbard	NLF
	62-0056	Owasso	Ramsey	NCHF
Significant Decrease In Transparency	66-0029	Fox	Rice	NCHF
	77-0084	Big Birch	Todd	NCHF
N=3	82-0104	Jane	Washington	NCHF

"Significant" indicates statistically significant trend over time $p < .05$

See Figure 3 for map showing ecoregions
NLF = Northern Lakes and Forests
NCHF = North Central Hardwood Forests
WCBP = Western Corn Belt Plains

In the Northern Lakes and Forests ecoregion, 271 lakes, or 50 percent of the assessed lakes were impaired. The primary cause of nonsupport in 22 percent of these lakes was point source dischargers, with nonpoint source pollution (NPS) making up the remainder.

In the Western Corn Belt Plains ecoregion, 53 lakes, or 91 percent of the assessed lakes were impaired. This is largely due to the shallow depth of the lakes, and the impact of NPS pollution. Because of the extensive agricultural land use, high nutrient levels are common.

In the Northern Glaciated Plains ecoregion, virtually all lakes are impaired. Again, this is largely due to the shallowness of the lakes, in conjunction with the high level of nutrients received by the lakes through agricultural runoff.

Although no culturally acidified lakes have been identified in Minnesota, the MPCA has assessed 1,075 lakes for acid sensitivity. Virtually all of the lakes threatened by acid deposition are located in the Northern Lakes and Forests ecoregion. In the northeastern portion of the ecoregion, acid sensitive lakes are found in areas with little topsoil over granitic bedrock formations. Other acid sensitive lakes are found in the same ecoregion, but in moraine areas.

Table 6 summarizes the assessed causes of nonsupport of designated uses for Minnesota lakes. It shows a relatively greater impact on lakes from nonpoint sources than from point sources.

Table 6. Sources of Nonsupport of Designated Uses

Point Sources	Lake Acres
Municipal	64,396
CSOs	0
Nonpoint Sources or Unknown	172,449

2. Relative Assessment of Major Pollutants Causing Nonsupport of Designated Uses

An assessment of major pollutants causing nonsupport of the designated uses was made. The parameters chosen as pollution indicators were: pH and nutrients (chlorophyll-a, total phosphorus and nitrite-nitrate). Based on monitored and evaluated data, nutrients were the only pollutants found to be causing nonsupport in lakes. Since agricultural runoff is the most significant source of nutrients in Minnesota's lakes, it appears that NPS agricultural pollution should be a primary area of concern.

G. Lake Information

Trophic Status

Minnesota's abundance of lakes creates much enjoyment for its citizens and annually draws thousands of visitors to the state. The value of these lakes is directly related to their quality or purity. A listing of all assessed lakes is given in Table 7. It is categorized by ecoregion and swimmable use support. Trophic status is given in the column TROPHIC.

Use Support

Figure 8 shows the distribution of lakes supporting swimmable uses by ecoregion. The listing of Table 7 is categorized by ecoregion and support class for swimmable use. Those lakes that are being impacted by point source discharges are identified by an M in the SOURCES column, indicating municipal facility impact. For all other impacted lakes, nonpoint sources are the primary source of nonsupport.

Acid Deposition

Alkalinity was used as the basis for assessing support status for Minnesota lakes with respect to acid deposition. No culturally acidified lakes have been identified in Minnesota. However, 1,075 lakes were assessed for acid sensitivity. These lakes were classified as either fully supporting their uses (alkalinity greater than 10 mg/l) or supporting, but threatened (alkalinity less than 10 mg/l). The column SA in Table 7 shows support status with respect to acid deposition. Alkalinity in mg/l is listed in the column labeled ALK.

H. Lake Programs and Support Activities

Clean Lakes Program

Since the inception of the Clean Lakes Program, the MPCA has been designated as the state agency to administer grants awarded to the state from the U.S. EPA. The purpose of the program is to preserve and protect Minnesota's lakes and to increase and enhance their public use and enjoyment. This is done by providing federal matching grants to eligible local units of government to conduct specific lake water quality projects.

The program has been, and continues to be an important part of the MPCA's efforts to address lake water quality problems. To date, the MPCA has completed nine Clean Lakes projects and currently has 17 projects underway. Three of the ongoing projects are nonpoint source demonstration projects. The success of these demonstration projects has been instrumental in establishing the state's Clean Water Partnership Program.

Recognizing the magnitude of nonpoint source pollution (NPS) and the need to establish a program for its control, the Minnesota Legislature enacted the Clean Water Partnership Program (CWP). The program focus

Table 7. Use Support of Assessed Lakes by Ecoregion

ECOREGION = DRIFTLESS AREA — LAKES NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
25-0001	07040001	001	PEPIN	25000	E	H	FS	138.3	M

ECOREGION = NORTH CENTRAL HARDWOOD FOREST — LAKES FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
02-0091	07010207		GEORGE	487	M	M	FS	70.7	
03-0304	09020106		BIG SUGAR BUSH	472	E	O		-	
03-0387	09020103		FLOYD	1234	M	M		-	
03-0475	09020103		MELISSA	1855	M	M		-	
03-0500	09020103		MAUD	540	M	M		-	
03-0576	09020103		BIG CORMORANT	3380	M	M	FS	250.0	
03-0602	09020103		MIDDLE CORMORANT	377	M	M	FS	186.7	
03-0657	09020103		TURTLE 4 MI NE OF	184	M	M	FS	212.5	
10-0009	07010206		MINNEWASHTA	747	M	M	FS	132.5	
10-0012	07020012		ANN	117	M	M	FS	145.7	
10-0053	07010206		PIERSON	340	M	M	FS	114.6	
13-0053	07030005		COMFORT	219	M	M		-	
14-0030	09020106		FIFTEEN	139	E	M		-	
19-0057	07020012		FISH	25	E	M	FS	93.3	
19-0076	07010206		MCDONOUGH	19	M	M	FS	71.3	
21-0056	07010108		LE HOMME DIEU	1892	E	M	FS	169.2	
21-0057	07010108	011	CARLOS	2520	M	M	FS	179.9	
21-0079	07020005		MAPLE AT FORADA	835	M	M	FS	207.5	
21-0080	07010108		DARLING	984	E	M	FS	187.1	
21-0083	07010108		MILTONA 1 MI W OF	6159	M	M	FS	184.0	
21-0085	07010108		ANDREWS 2 MI SW O	946	M	M	FS	211.3	
21-0106-01	07010108		LATOKA (NORTH BAY)	446	M	O		-	
21-0123	07010108		IDA	4506	M	M	FS	200.0	M
21-0145	07020005		CHIPPEWA 2 MI NE	1761	M	M	FS	198.9	
27-0016	07010206		HARRIET	353	M	M	FS	102.0	
27-0035-02	07010206		SWEENEY-TWIN (TWIN	20	E	M		-	
27-0047	07020012		BUSH	207	M	M	FS	95.4	
27-0071	07020012		ROUND	33	E	M		-	
27-0089-02	07020012		SHADY OAK (MIDDLE B	-	E	M	FS	140.0	
27-0133-02	07010206	008	MINNETONKA (LOWER L	-	M	M	FS	131.9	
27-0133-03	07010206	008	MINNETONKA (CARSONS	116	M	M		-	

Table 14. (continued)

ECOREGION = NORTH CENTRAL HARDWOOD FOREST — LAKES FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
27-0133-04	07010206	008	MINNETONKA(ST.ALBAN	168	M	M		-	
27-0137	07010206		CHRISTMAS	276	M	M	FS	135.4	
27-0179-02	07010206		LONG (NORTH BAY)	-	M	M	FS	94.3	
27-0200	07010205		RATTAIL	12	M	M		-	
34-0079	07010204		GREEN	5406	M	M	FS	175.6	M
34-0116	07020004		HENDERSON	73	M	M		-	
34-0142	07020004		GEORGE	248	M	M	FS	276.0	
34-0217	07020005		FLORIDA	662	M	M	FS	211.5	
47-0002	07010204		FRANCIS	991	M	M	FS	150.0	
47-0119	07010205		MINNE BELLE	545	M	M	FS	145.0	
49-0024	07010201		PIERZ	170	E	M	FS	110.0	
49-0081	07010104		PINE	197	M	O	FS	110.0	
49-0140	07010201		CEDAR 4 MI W OF U	253	M	M	FS	142.0	
56-0191-01	09020103		STUART (MAIN BASIN)	638	E	M		-	
56-0238	09020103		CLITHERALL	2522	M	O		-	
56-0239	09020103	019	WEST BATTLE	5663	E	M	FS	178.0	
56-0243	09020103		MARION	1610	M	M	FS	176.7	
56-0252	07020002		MIDDLE	194	E	O		-	
56-0253	07020002		EAGLE	838	E	M	FS	252.5	
56-0302-01	09020103		SILVER	-	M	M	FS	271.7	
56-0303	09020103		MOLLY STARK	153	E	M		-	
56-0304	09020103		NO NAME	34	E	M		-	
56-0306	09020103		ELBOW	189	M	M	FS	182.5	
56-0328	09020103		LITTLE MCDONALD	1174	M	O		-	
56-0358	09020103		SCALP (SEVEN) 1 M	244	M	O	FS	166.7	
56-0360	09020103		ROSE	1145	M	O		-	
56-0369	09020103		SIX	181	M	M		-	
56-0382	09020103		EAST TWIN	333	M	M	FS	225.0	
56-0386	09020103		BIG MCDONALD	3502	E	M		-	
56-0388	09020103		LONG	1273	M	M		-	
56-0428	07020002		LONG 6 MI NE OF D	198	M	M	FS	220.0	
56-0449	09020103		PLEASANT	370	M	M	FS	355.0	
56-0475	09020103		PICKEREL	829	M	O	FS	170.9	
56-0570	07020002		BASS	292	M	M		-	
56-0695	09020103		HEILBERGER 14 MI	224	M	M	FS	175.8	
56-0749	09020103		CRYSTAL	1317	E	M		-	
56-0760	09020103	017	LIZZIE	3904	E	M	FS	195.8	
56-0781	09020103		SWAN	689	M	M		-	
56-0784	09020103		LONG 11 MI N OF F	756	M	M	FS	215.7	
56-0786	09020103		PELICAN	3925	M	M	FS	193.3	
56-0877	09020103		JEWETT 10 MI N OF	737	M	M	FS	318.5	
60-0217	09020301		UNION	734	M	M		-	
61-0037	07020005	009	LINKA 2 MI N OF G	197	M	M	FS	179.2	
62-0038-01	07010206		VADNAIS (EAST VADNA	369	M	M	FS	139.3	
62-0061	07010206		TURTLE	444	M	M	FS	120.2	
62-0073	07010206		SNAIL	157	M	M	FS	95.3	
66-0014	07040002		DUDLEY	60	M	M		-	
66-0015	07040002		KELLY	60	M	M		-	
70-0010	07020012		MURPHY	35	M	M		-	
70-0011	07020012		MINNREG	46	M	M		-	
70-0026	07020012		LOWER PRIOR	827	M	M	FS	146.0	
71-0040	07010207		SANDY	70	M	O		-	
71-0081	07010203		MITCHELL	170	M	M	FS	150.0	
71-0082	07010203		BIG	251	M	M	FS	170.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
73-0037	07010202	016	PEARL	733	E	M	FS	160.0	
73-0038	07010203		CARNELIAN	164	E	M	FS	140.0	
73-0051	07010202		PLEASANT	222	E	M	FS	150.0	
73-0055	07010202	016	GRAND	666	E	M	FS	170.0	
73-0076	07010202	016	GOODNERS	150	E	M	FS	160.0	
73-0092	07010201		SAGATAGAN	159	E	M	FS	90.0	
73-0102	07010201		BIG WATAB	227	M	O	FS	145.0	
73-0106	07010201		BIG FISH	558	M	M	FS	210.0	
73-0117	07010201		UPPER SPUNK	301	E	M	FS	180.0	
73-0118	07010201		PELICAN	344	M	O	FS	150.0	
73-0123	07010201	018	LOWER SPUNK	292	E	M	FS	180.0	
73-0128	07010201		MIDDLE SPUNK	231	E	M	FS	185.0	
73-0156	07010202	002	BECKER	176	E	M	FS	220.0	
77-0007	07010104		MOUND 3 MI SO OF	274	M	M	FS	115.4	
77-0022	07010104	030	MONS	86	E	O	FS	140.0	
77-0027	07010104		LONG 2 MI NW OF B	372	M	M	FS	195.0	
77-0034	07010104	030	LITTLE SWAN	149	E	M	FS	180.0	
77-0149	07010202		LONG 6 MI NE OF S	143	M	M	FS	140.0	
82-0046	07030005		SQUARE	210	M	O	FS	123.1	
82-0049	07030005		BIG CARNELIAN	444	M	M	FS	103.8	
82-0106	07010206		ELMO	304	M	M	FS	116.4	
82-0167	07010206		WHITE BEAR	2585	M	M	FS	101.9	
82-2001	07010206	001	UNNAMED	-	M	M		-	
86-0011	07010204		CHARLOTTE 3 MI W	235	M	M	FS	100.0	
86-0053	07010204		PULASKI 1 MI NE O	770	M	M	FS	130.0	
86-0146	07010203		IDA	231	M	O	FS	140.0	
86-0233	07010203		SUGAR	920	M	M	FS	160.0	
86-0234	07010203		BASS	213	M	O	FS	150.0	
86-0251	07010203		PLEASANT	639	M	M	FS	150.0	
86-0273	07010204		FRENCH	310	M	M	FS	195.0	
86-0279	07010203		TWIN	1012	M	O	FS	155.0	
86-0289	07010203		SYLVIA	747	M	O	FS	170.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
02-0003	07010206		OTTER	338	M	E	FS	105.7	
02-0015	07010206		RANDEAU(RONDEAU)	546	M	E	FS	136.0	
02-0022	07030005		ISLAND	65	M	E	FS	118.0	
02-0042	07030005		COON	1466	M	E	FS	84.9	
02-0053	07010206	003	HAM	193	M	E	FS	112.0	
02-0133	07010207		EAST TWIN	116	M	E	FS	103.4	
03-0017	07010106		TWO INLETS	578	E	E		-	
03-0102	07010106	033	SHELL	3140	E	E	FS	160.0	
03-0163	09020103		LIZZIE	89	E	E	FS	140.0	
03-0180	09020103		NORTH TWIN	139	E	E		-	
03-0381-01	09020103	018	DETROIT (MAIN BAY)	-	M	E	FS	183.3	
03-0506	09020103		LITTLE CORMORANT	924	M	E		-	
03-0575	09020103		LEIF	519	E	E		-	
10-0002	07020012		RILEY	301	M	E	FS	93.5	
10-0018	07010206	008	SCHUTZ	105	M	E	FS	136.0	
10-0019	07020012		BAVARIA	188	M	E	FS	103.7	
10-0041	07010206	008	ZUMBRA	162	M	E	FS	103.0	
10-0044-01	07010206		AUBURN (WEST BAY)	-	M	E	FS	129.7	
10-0045	07010206		STIEGER	281	M	E	FS	145.3	
10-0059	07020012		WACONIA	2607	M	E	FS	158.8	
13-0028	07030005		SOUTH LINDSTROM	450	M	E	FS	59.0	
13-0068	07030005		FISH	306	E	E	FS	120.0	
13-0083-02	07030005	032	GOOSE (SOUTH)	470	M	E		-	
19-0027	07020012		CRYSTAL	292	M	E	FS	128.0	
19-0031	07020012		ORCHARD	243	M	E	FS	131.3	
19-0050	07010206		SUNFISH	44	M	E		-	
19-0075	07010206		SCHULTZ	16	M	E	FS	73.3	
21-0007	07010202		HERBERGER	172	E	E	FS	160.0	
21-0054	07010108		VICTORIA	420	E	E	FS	163.3	
21-0076	07010108		IRENE 1 MI NW OF	636	M	E	FS	176.7	
21-0092	07010108		MARY	2395	E	E	FS	193.3	
21-0144-02	07010108		LOBSTER (WEST BAY)	513	M	E	FS	180.0	
21-0216	07020005		WHISKEY	162	M	E	FS	211.7	M
21-0291	07020005		RED ROCK	708	M	E		-	
26-0097	07020002	004	POMME DE TERRE	1794	E	E	FS	190.0	
27-0026	07010206		WOOD	165	M	E		-	
27-0031	07010206		CALHOUN	421	M	E	FS	128.0	
27-0037	07010206		WIRTH	37	M	E	FS	130.0	
27-0038	07010206		BROWNIE	18	M	E		-	
27-0039	07010206		CEDAR	170	M	E	FS	119.0	
27-0042-02	07010206		TWIN (MIDDLE BAY) A	-	M	E	FS	109.8	
27-0048	07020012		HYLAND	104	M	E	FS	127.5	
27-0061	07010206	007	CHAMPLIN MILL POND	38	M	E		-	
27-0062-02	07020012		ANDERSON (SW BAY) I	140	E	E		-	
27-0062-03	07020012		ANDERSON (SE BAY) I	80	E	E		-	
27-0067	07020012		BRYANT	174	M	E	FS	149.8	
27-0085	07010206		LIBBS	17	E	E		-	
27-0089-01	07020012		SHADY OAK (NORTH BA	-	E	E	FS	140.0	
27-0107	07010206		PARKERS	92	E	E	FS	151.0	
27-0111-01	07010206		EAGLE (EAGLE BAY) I	-	M	E	FS	147.7	
27-0117	07010206		WEAVER	148	M	E	FS	93.3	
27-0118	07010206		FISH	228	M	E	FS	123.5	
27-0133-01	07010206	008	MINNETONKA (GRAYS B	-	M	E	FS	100.0	
27-0133-05	07010206	008	MINNETONKA(UPPER LA	-	M	E	FS	130.5	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
27-0133-11	07010206	008	MINNETONKA (MAXWELL	-	M	E	FS	110.0	
27-0133-13	07010206		MINNETONKA (NORTH A	-	M	E	FS	130.0	
27-0138	07010206	008	PEAVEY	10	E	E		-	
27-0176	07010205		INDEPENDENCE	851	M	E	FS	122.9	
27-0192	07010205		REBECCA	234	M	E	FS	142.4	
30-0107-01	07010207		BLUE (NORTH BAY) 3	-	E	E	FS	150.0	
33-0009	07030004	004	POMROY	260	E	E	ST	7.0	
33-0032	07010207	007	LEWIS	243	E	E	FS	100.0	
33-0033	07030004		DEVIL'S	121	E	E		-	
34-0044	07010204		DIAMOND	1927	M	E		-	
34-0171	07020004		EAGLE	845	E	E	FS	163.8	
34-0206	07020005		ANDREW	764	E	E		-	
40-0057	07040002		FRANCES	895	E	E	FS	135.0	
44-0038	09020305		ISLAND 7 MI S OF	611	M	E	FS	160.0	
47-0015	07010204		JENNIE	960	E	E	FS	150.0	
47-0026	07010204		LONG	162	E	E	FS	155.0	
47-0046	07010204	019	WASHINGTON	2639	M	E	FS	160.0	M
47-0050	07010204		MANUELLA	286	E	E	FS	190.0	
47-0064	07010205		ERIE	182	E	E	FS	150.0	
47-0068	07010204		STELLA	553	M	E	FS	170.0	
49-0035	07010104		GREEN PRAIRIE FISH	168	E	E	FS	80.0	
56-0130	09020103	007	BIG PINE 2 MI E O	5067	M	E	FS	190.0	
56-0141	09020103		RUSH 2 MI N OF OT	5338	M	E	FS	142.2	M
56-0142	09020103	014	LITTLE PINE AT PE	2036	M	E	FS	188.0	
56-0240	09020103		BLANCHE	1312	E	E	FS	208.3	
56-0242	09020103		OTTER TAIL	14753	E	E	FS	176.7	
56-0305	09020103	019	NO NAME	52	E	E		-	
56-0307	09020103		NO NAME	44	E	E		-	
56-0310	09020103	005	WALKER	694	E	E		-	
56-0656	07020002		FOSSAN	69	M	E		-	
56-0658	09020103		WALL	683	M	E	FS	208.9	
56-0915	09020103	016	PRAIRIE 2 MI N OF	1016	M	E	FS	185.0	
60-0032	09020305		TURTLE 4 MI NE OF	545	M	E	FS	170.0	
60-0069	09020301		SAND HILL	598	M	E		-	
61-0023	07010204	012	GROVE 2 MI NE OF	379	M	E	FS	179.2	
61-0041	07020005		SCANDINAVIAN AT G	396	M	E	FS	186.0	
61-0064	07020005	009	AMELIA	932	E	E	FS	142.5	
61-0130	07020005	016	MINNEWASKA	7110	M	E	FS	223.9	M
62-0001	07010206		SILVER	68	M	E	FS	68.3	
62-0007	07010206		GERVAIS	213	M	E	FS	116.3	
62-0013	07010206		PHALEN	218	M	E	FS	103.9	
62-0024	07010206		BIRCH	127	M	E	FS	68.8	
62-0028	07010206		SUCKER	60	M	E	FS	136.0	
62-0040	07010206		WILLOW	75	M	E	FS	147.2	
62-0054	07010206		MC CARRON	81	M	E	FS	101.8	
62-0057	07010206		JOSEPHINE	109	M	E	FS	107.4	
62-0070	07010206		ROUND	122	M	E		-	
62-0074	07010206		GRASS	146	M	E	FS	113.1	
62-0078	07010206		JOHANNA	230	M	E	FS	97.4	
62-0080	07010206		EMILY	12	M	E		-	
62-0082	07010206		WABASSO	46	M	E	FS	102.4	
66-0038	07040002		FRENCH	816	M	E		-	
71-0057	07010203		BIRCH	149	E	E		-	
71-0069	07010203		ANN	184	E	E	FS	80.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
71-0158	07010203		PICKEREL	121	E	E	FS	120.0	
71-0159	07010203		LONG	182	E	E	FS	115.0	
73-0023	07010203		BEAVER	152	E	E	FS	150.0	
73-0035	07010203		SCHOOL SECTION	188	E	E	FS	140.0	
73-0070	07010201	019	WATAB	95	E	E	FS	180.0	
73-0107	07010201		LONG	163	E	E	FS	130.0	
73-0147	07010202		BROWNS	324	E	E	FS	190.0	
73-0159	07010202		BIG	403	M	E	FS	170.0	
73-0196	07010204		RICE	1568	M	E	FS	180.0	M
73-0200	07010204	010	KORONIS	3109	E	E	FS	180.0	M
73-0233	07010202		KINGS	194	E	E	FS	180.0	
77-0010	07010202		BASS AT GREY EAGL	95	M	E	FS	155.0	
77-0019	07010201	016	MARY 4 MI W OF ST	111	M	E	FS	170.0	
77-0023	07010104	030	BIG SWAN	859	E	E	FS	176.7	
77-0032	07010104		LADY 3 MI N OF GR	207	M	E	FS	177.0	
77-0084	07010202		BIG BIRCH	1980	M	E	FS	161.7	
77-0089	07010202	005	LITTLE BIRCH	793	M	E	FS	165.7	
77-0215	07010202	013	OSAKIS AT OSAKIS	6758	M	E	FS	167.5	M
80-0030	07010106	028	SOUTH TWIN	267	E	E	FS	170.0	M
80-0037	07010106		STOCKING	356	E	E		-	
82-0023	07030005		LILY	52	M	E		-	
82-0045	07030005		CLEAR	31	E	E	FS	150.0	
82-0052	07030005		BIG MARINE	1577	M	E	FS	85.0	
82-0080	07030005		HALFBREED	74	M	E	FS	116.6	
82-0103	07010206		OLSON	79	M	E		-	
82-0104	07010206		JANE	159	M	E	FS	85.0	
82-0115	07010206		TANNERS	70	E	E	FS	76.0	
82-0140	07010206		ONEKA	381	M	E	FS	21.0	
86-0069	07010203		LONG	87	E	E	FS	240.0	
86-0120	07010204		RAMSEY AT MAPLE L	355	M	E	FS	155.0	
86-0134	07010204		MAPLE	777	M	E	FS	135.0	M
86-0156	07010203		MARY	209	E	E	FS	130.0	
86-0163	07010203		LIMESTONE	188	E	E	FS	160.0	
86-0182	07010204		ROCK	175	E	E	FS	140.0	
86-0193	07010204		MARY	180	E	E	FS	140.0	
86-0199	07010204		HOWARD	717	E	E	FS	160.0	
86-0263	07010204	004	COKATO	544	M	E	FS	223.3	M
86-0288	07010203		JOHN	411	E	E	FS	145.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST PARTIALLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
02-0026	07030005		LINWOOD	567	M	E	FS	96.4	
02-0045	07010206		GOLDEN	57	M	E	FS	141.4	
02-0075-02	07010206		MOORE (EAST BAY)	-	M	E	FS	63.2	
02-0084	07010206	003	CROOKED	130	M	E	FS	108.8	
02-0130	07010207		PICKEREL	274	E	E	FS	99.0	
05-0007	07010203	008	MAYHEW	131	E	E	FS	120.0	
10-0007	07020012		LUCY	90	M	E	FS	142.7	
13-0012-01	07030005		CHISAGO (NORTH BAY)	-	M	E	FS	59.0	
13-0041-01	07030005		GREEN(LITTLE GREEN)	-	M	E	FS	83.0	
13-0041-02	07030005		GREEN(MAIN BASIN)	-	M	E	FS	86.5	
13-0069-02	07030005	031	RUSH (WEST BAY) 6	-	M	E	FS	125.0	
19-0026-01	07040001		MARION (EAST BAY) I	-	M	E	FS	140.9	
19-0065	07010206		HOLLAND	35	M	E	FS	90.9	
21-0016	07010202		SMITH 3 MI W OF O	648	M	E	FS	168.8	
21-0090	07020005	019	TURTLE 6 MI NE OF	220	M	E	FS	210.0	
21-0144-01	07010108		LOBSTER (EAST BAY)	724	M	E	FS	180.0	
21-0180	07010108		MILL 7 MI S OF GA	600	M	E	FS	180.0	
21-0212	07020005	022	LITTLE CHIPPEWA 3	176	M	E	FS	200.0	
26-0002	07020002	008	PELICAN	3728	E	E	FS	291.0	
27-0014	07010206	002	POWDERHORN	11	M	E		-	
27-0035-01	07010206		SWEENEY-TWIN - SWEE	46	E	E		-	
27-0040	07010206		LAKE OF THE ISLES	103	M	E	FS	95.0	
27-0104	07010206		MEDICINE	948	M	E	FS	107.1	
27-0111-02	07010206		EAGLE (PIKE BAY) A	95	E	E		-	
27-0133-10	07010206	008	MINNETONKA (CRYSTAL	-	M	E	FS	137.5	
27-0133-12	07010206		MINNETONKA (STUBBS	198	M	E		-	
27-0139	07010206		FOREST	81	M	E		-	
27-0149	07010205		SPURZEM	65	M	E		-	
27-0165	07010206	007	JUBERT	64	M	E		-	
27-0184-02	07010205		WHALETAIL (SOUTH BA	-	M	E	FS	130.3	
27-0191	07010204		SARAH	586	M	E	FS	119.5	
30-0072	07010207		LONG	390	M	E		-	
30-0107-02	07010207		BLUE (SOUTH BAY) 3	-	E	E	FS	120.0	
34-0154	07010204		NEST	990	E	E	FS	185.0	M
34-0193	07020004		POINT	164	E	E		-	
34-0251	07020005		NORWAY	2496	M	E	FS	174.3	
40-0033	07040002		VOLNEY 4 MI SE OF	283	M	E	FS	134.4	
40-0063	07040002		GERMAN	988	E	E	FS	110.0	
40-0124	07020007		EMILY	235	E	E	FS	140.0	
43-0104	07010205		STAHL	142	E	E	FS	150.0	
47-0061	07010205		WILLIE	182	E	E	FS	190.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST PARTIALLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
47-0062	07010205		GREENLEAF	224	E	E	FS	160.0	
47-0095	07010203	015	CLEAR	497	E	E	FS	160.0	
47-0134	07010204	017	RIPLEY AT LITCHFI	1060	M	E	FS	150.0	
56-0138	09020103		EAST BATTLE	2040	E	E	FS	230.0	
56-0569-01	09020103		NORWAY (EAST BAY)	217	M	E	FS	183.3	
58-0119	07030004	001	CROSS	1013	E	E		-	
61-0067	07020005		VILLARD	536	E	E	FS	143.3	
62-0002	07010206		BALD EAGLE	1012	M	E	FS	122.3	
62-0046	07010206		PLEASANT	593	M	E	FS	134.7	
62-0056	07010206		OWASSO	357	M	E	FS	111.6	
62-0062	07010206		CHARLEY	32	M	E	FS	131.7	
62-0075-02	07010206		ISLAND (BASIN NORTH	-	M	E	FS	60.8	
66-0018	07040002		ROBERDS	608	M	E		-	
66-0027	07040002		CIRCLE	976	M	E		-	
66-0029	07040002		FOX	308	M	E	FS	125.0	
66-0039	07040002		MAZASKA	685	M	E	FS	120.0	
70-0069	07020012		FISH	175	M	E	FS	135.8	
71-0067	07010203	004	EAGLE	426	E	E	FS	110.0	
73-0072	07010201	019	ROSSIER	40	E	E	FS	191.0	M
73-0138	07010201	017	TWO RIVERS	756	E	E	FS	196.3	M
73-0150	07010202		EDEN	290	E	E	FS	210.0	M
73-0273	07010202		MCCORMIC	203	E	E	FS	170.0	
77-0014	07010104		STUMP	34	E	E	FS	120.0	
77-0026	07010104		MOOSE 2 MI N OF B	124	M	E	FS	145.0	
77-0150	07010202	008	SAUK	2111	M	E		-	
77-0150-01	07010202		SAUK(SW BAY)	500	M	E		-	
77-0150-02	07010202		SAUK(NORTH BAY)	1611	M	E		-	
77-0181	07010202		MAPLE	367	E	E	FS	146.7	
81-0055	07020011		REEDS	187	M	E	FS	124.4	
82-0031	07030005		NORTH TERRAPIN	85	E	E	FS	110.0	
82-0033	07030005		MAYS	25	E	E	FS	100.0	
82-0054	07030005		BONE	206	M	E	FS	125.0	
82-0101	07010206		DEMONTREVILLE	140	M	E	FS	77.5	
82-0153	07010206		SUNSET	124	M	E	FS	62.0	
82-0159	07030005		FOREST	1098	M	E	FS	135.6	
82-0163	07010206		CLEAR	400	M	E	FS	127.3	
86-0023	07010204		BEEBE	315	M	E	FS	140.0	
86-0051	07010204		CONSTANCE	161	E	E	FS	270.0	
86-0148	07010203		EAGLE	244	E	E	FS	110.0	
86-0217	07010204		GRANITE	339	E	E	FS	140.0	
86-0223	07010203		INDIAN	129	M	E	FS	135.0	
86-0227	07010203		CEDAR	726	M	E	FS	164.9	
86-0252	07010203	014	CLEARWATER	3182	M	E	FS	173.9	M
86-0284	07010203	015	AUGUSTA	161	M	E	FS	222.9	M
86-0293	07010204		COLLINWOOD	584	E	E	FS	180.0	
86-0298	07010203		UNION	91	E	E	FS	280.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
02-0004	07010206		PELTIER	465	M	H	FS	138.3	
02-0005	07010206		GEORGE WATCH	509	M	H	FS	171.0	
02-0006	07010206		CENTERVILLE	464	M	H	FS	145.7	
02-0007	07010206		FORSHAM	202	M	H		-	
02-0008	07010206		RICE	408	M	H		-	
02-0009	07010206		RESHANAU	304	M	H	FS	104.0	
02-0013	07010206		BALDWIN	204	M	H		-	
02-0016	07010206		HOWARD	448	M	H		-	
02-0019	07010206		TAMARAC	100	M	H	FS	150.0	
02-0034	07030005		MARTIN	218	M	H	FS	117.0	
02-0072	07010206	003	LADDIE	77	E	H	FS	58.0	
02-0075-01	07010206	002	MOORE (WEST BAY)	-	M	H	FS	79.0	
03-0359	09020103		SALLIE	1267	E	H	FS	185.0	
03-0382	09020103		ST. CLAIR	140	E	H		-	M
03-0647	09020106	009	STINKING	370	E	H	FS	130.0	M
05-0009	07010201		PULARSKIS	138	E	H	FS	44.0	
05-0013	07010201	003	LITTLE ROCK	1384	M	H		-	
10-0006	07020012		LOTUS	252	M	H	FS	137.3	
10-0042	07010206		PARLEY	281	M	H	FS	131.3	
10-0044-02	07010206		AUBURN (EAST BAY)	120	M	H		-	
10-0048	07010206		WASSERMANN	277	M	H	FS	127.7	
10-0052	07020012		REITZ	70	M	H	FS	176.7	
10-0069	07020012		BENTON	115	E	H		-	M
10-0070	07020012		MUEWISSON	58	E	H		-	M
10-0078	07020012	002	RICE	347	E	H	FS	105.0	
10-0088	07020012	002	HYDES	226	M	H	FS	151.0	
10-0089	07020012		GOOSE	394	E	H		-	
10-0095	07010205		SWEDE	423	E	H	FS	125.0	
10-0121	07010205		EAGLE	184	M	H	FS	169.4	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
13-0012-02	07030005		CHISAGO (SOUTH BAY)	-	M	H	FS	61.0	
13-0027	07030005		SOUTH CENTER	836	M	H	FS	54.5	
13-0032	07030005		NORTH CENTER	726	M	H	FS	52.0	M
13-0069-01	07030005	031	RUSH (EAST BAY) 5 M	-	M	H	FS	136.7	
19-0020	07040002		CHUB	261	E	H	FS	89.0	
19-0021	07020012		ALIMAGNET	109	M	H		-	
19-0023	07040001		FARQUHAR	74	E	H	FS	70.0	
19-0026-02	07040001		MARION (MIDDLE BAY	200	M	H		-	
19-0067	07020012		THOMAS	56	E	H	FS	70.0	
21-0003	07010202		SWIMS	151	E	H	FS	220.0	M
21-0011	07010202		KUNTZ	161	E	H	FS	170.0	
21-0051	07010108		HENRY	159	E	H	FS	210.0	M
21-0053	07010108		AGNES	141	E	H	FS	180.0	M
21-0081-01	07010108		WINONA (NORTH BAY)	-	E	H	FS	164.1	M
21-0081-02	07010108		WINONA (SOUTH BAY)	-	E	H	FS	140.0	M
21-0336	07020005		FANNY	43	E	H	FS	260.0	M
26-0076	07020002	007	LITTLE	69	E	H		-	M
27-0004	07020012		PENN	32	E	H	FS	176.7	
27-0019	07010206	002	NOKOMIS	204	M	H	FS	101.0	
27-0034	07010206		CRYSTAL	76	M	H	FS	71.0	
27-0042-01	07010206		TWIN (SOUTH BAY) AT	-	E	H	FS	76.0	
27-0058	07010206		RYAN	18	E	H		-	
27-0062-01	07020012		ANDERSON (NORTH BAY	210	E	H		-	
27-0078	07020012		STARING	161	M	H	FS	196.0	
27-0098	07010206		BASS	175	E	H	FS	81.0	
27-0103	07010206		LOST	20	E	H		-	
27-0110	07010206		UNNAMED	14	E	H		-	
27-0125	07010206		DIAMOND	408	M	H	ST	8.5	
27-0127	07010206		FRENCH	352	M	H		-	
27-0133-09	07010206	008	MINNETONKA (HALSTED	-	M	H	FS	128.0	M
27-0133-14	07010206		MINNETONKA (WEST AR	-	M	H	FS	134.1	M
27-0133-15	07010206		MINNETONKA (JENNING	-	M	H	FS	143.6	M
27-0141	07010206	008	TANAGER	50	M	H	FS	113.3	
27-0144	07010206	008	GALPIN	48	E	H		-	
27-0157	07010206		WOLSFELD	36	E	H	FS	152.0	
27-0160	07010206		LONG	272	M	H	FS	126.7	
27-0181	07010206		DUTCH	160	M	H	FS	151.0	
27-0182	07010206		LANGDON	141	M	H	FS	174.3	
27-0184-01	07010205		WHALETAIL (NORTH BA	420	M	H		-	
30-0022	07010207		SKOGMAN	215	E	H	FS	110.0	
30-0043	07010207		FANNIE	393	E	H	FS	110.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
30-0044	07010207		LITTLE STANCHFIELD	138	E	H	FS	155.0	M
30-0080	07010207		FRANCIS	301	E	H		-	
30-0096	07010207		LORY	212	E	H	FS	68.0	
30-0138	07010207		SOUTH STANCHFIELD	398	E	H	FS	130.0	
33-0014	07030004		UNNAMED	30	E	H	FS	11.0	
33-0015	07030004	004	MUD	214	M	H	FS	86.0	
33-0016	07030004		SPENCE	55	E	H	FS	10.0	
33-0017	07030004		UNNAMED	35	E	H	FS	12.0	
33-0018	07030004		SELLS	64	E	H	FS	14.0	
33-0027	07030004		SPRING	16	E	H	FS	26.0	
33-0028	07030004		KNIFE	1039	E	H	FS	64.0	
33-0036	07030004	014	FISH	311	E	H		-	
33-0040	07030004	014	ANN	653	E	H	FS	68.0	
34-0192	07020004		LONG	1575	E	H		-	
40-0001	07040002		HORSESHOE	417	E	H	FS	130.0	
40-0002	07040002	017	UPPER SAKATAH	881	E	H	FS	190.0	M
40-0009	07040002		SUNFISH	118	E	H	FS	120.0	
40-0013	07040002		DIAMOND	120	E	H		-	
40-0020	07020012	025	GREENLEAF 2 MI SW	306	M	H	FS	94.0	
40-0031	07040002	017	TETONKA	1209	E	H	FS	185.0	
40-0079	07020012	021	CLEAR	313	E	H	FS	170.0	
40-0092-01	07040002		JEFFERSON (NORTHEAS	-	E	H	FS	140.0	
40-0092-03	07040002		JEFFERSON (MIDDLE B	705	M	H		-	
40-0117	07020007	028	WASHINGTON	1505	M	H	FS	149.6	
40-0119	07020007		SCOTCH	565	E	H	FS	170.0	
43-0012	07010205		WINSTED	407	E	H	FS	200.0	M
43-0014	07010205		SOUTH	216	E	H		-	M
43-0073	07010204		HOOK	327	E	H	FS	150.0	
43-0115	07010205		CEDAR	1924	E	H	FS	190.0	
47-0032	07010204		SPRING	218	E	H	FS	203.3	M
47-0038	07010204	004	BIG SWAN	628	E	H	FS	180.0	
47-0042	07010203	015	BETTY (BETSY)	182	M	H	FS	267.7	M
47-0049	07010205		BELLE	886	E	H	FS	200.0	
47-0060	07010205		SIOUX	381	E	H	FS	170.0	
47-0082	07010204		DUNNS	159	E	H	FS	140.0	
47-0102	07010204		ROUND	263	E	H	FS	130.0	
47-0177	07010204	016	LONG	711	E	H	FS	160.0	
49-0025	07010201	006	RICE	323	E	H	FS	110.0	
49-0030	07010201		PELKEY	113	E	H	FS	120.0	
56-0308	09020103		NO NAME	46	E	H		-	M
56-0309	09020103	019	SLAUGHTERHOUSE SLU	19	E	H		-	
56-0476	09020103		MAINE	83	E	H		-	
56-0945	09020103	001	ORWELL	396	E	H		-	M
58-0142	07030004		POKEGAMA	1474	M	H	FS	100.0	
61-0072	07020005	009	GILCHRIST	330	E	H	FS	178.8	
62-0004	07010206	001	PIGSEYE	511	E	H		-	
62-0006	07010206		KOHLMAN	72	M	H	FS	143.7	
62-0010	07010206		KELLER	68	M	H	FS	118.5	
62-0011	07010206		WAKEFIELD	23	M	H	FS	65.2	
62-0012	07010206		ROUND	30	M	H	FS	116.3	
62-0016	07010206		BEAVER	84	M	H	FS	132.5	
62-0018	07010206		DEEP	73	M	H	FS	161.7	
62-0048	07010206		BENNETT	41	M	H	FS	53.4	
62-0049-01	07010206		LANGTON(NORTH BAY)	20	M	H		-	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
62-0049-02	07010206		LANGTON(SOUTH BAY)	15	M	H		-	
62-0055	07010206		COMO	70	M	H	FS	48.8	
62-0067	07010206		LONG	184	M	H	FS	133.5	
62-0069	07010206		PIKE	36	M	H	FS	112.5	
62-0071	07010206		VALENTINE	60	M	H	FS	115.6	
62-0075-01	07010206		ISLAND (BASIN SOUTH	-	M	H	FS	59.4	
62-0081	07010206		MUD	16	M	H		-	
62-0083	07010206	002	SILVER	69	M	H	FS	63.3	
66-0008	07040002	015	CANNON	1591	M	H		-	
66-0032	07040002		UNION	437	E	H		-	
66-0047	07040002	017	HUNT	160	M	H		-	
66-0052	07040002		CEDAR	872	M	H	FS	117.1	
66-0055	07040002		SHIELDS	877	M	H		-	
70-0022	07020012		CLEARY	137	M	H	FS	135.0	
70-0050	07020012		MCMAHON	131	M	H	FS	73.3	
70-0052	07020012		CYNTHIA	195	E	H	FS	145.0	
70-0054	07020012		SPRING	631	M	H	FS	167.2	
70-0072	07020012		UPPER PRIOR	340	M	H	FS	143.1	
70-0091	07020012		CEDAR	749	M	H	FS	184.9	
70-0095	07020012		O DOWD	257	M	H	FS	110.0	
70-0120	07020012		THOLE	141	M	H	FS	108.0	
71-0013	07010203	009	ORONO	281	E	H	FS	110.0	
71-0055	07010203		ELK	353	M	H	FS	110.0	
71-0141	07010203	004	ELK BIG	360	E	H	FS	140.0	
71-0146	07010203		BRIGGS	406	E	H	FS	110.0	
71-0147	07010203		RUSH	161	E	H	FS	110.0	
73-0014	07010203	015	MARIE	114	M	H	FS	238.0	
73-0083	07010202	002	GREAT NORTHERN	113	M	H	FS	201.3	M
73-0086	07010202		KNAUS	107	M	H	FS	194.8	M
73-0087	07010202		KRAYS	90	M	H	FS	201.3	M
73-0088	07010202		BOLFING	103	M	H	FS	170.4	M
73-0089	07010202	002	ZUMWALLES	111	E	H	FS	202.3	M
73-0133-01	07010202		CEDAR ISLAND (MAIN	995	M	H	FS	169.8	M
73-0133-02	07010202		CEDAR ISLAND (MUD L	995	E	H	FS	137.6	M
73-0133-03	07010202	002	CEDAR ISLAND (KOETT	995	M	H	FS	197.0	M
73-0133-04	07010202	002	CEDAR ISLAND (EAST	-	M	H	FS	206.3	M
73-0139	07010202		LONG	460	M	H	FS	150.0	
73-0157	07010202		HORSESHOE	995	M	H	FS	181.4	M
73-0199	07010201		SAND	202	E	H	FS	150.0	
81-0095	07020011	016	ELYSIAN	2289	E	H	FS	162.0	
82-0122	07010206		PINE TREE	170	M	H	FS	57.3	
86-0009	07010204		MARTHA	97	M	H	FS	100.0	
86-0025	07010204		SCHOOL	76	E	H	FS	69.0	M
86-0026	07010204		MUD	128	E	H	FS	96.3	M
86-0041	07010204		DEAN	178	M	H	FS	130.0	
86-0089	07010204		TAMARACK	52	E	H	FS	140.0	
86-0090	07010204	020	BUFFALO AT BUFFAL	1510	E	H	FS	181.4	M
86-0097	07010204		CARRIGAN	162	E	H		-	M
86-0106	07010204		LITTLE WAVERLY	278	E	H	FS	180.0	
86-0114	07010204		BIG WAVERLY	179	E	H	FS	150.0	
86-0139-02	07010203		UNNAMED (N BAY)	80	E	H		-	
86-0178	07010204		DOG	94	E	H	FS	110.0	
86-0184	07010204		DUTCH	218	E	H	FS	210.0	M
86-0188	07010204		EMMA	180	E	H	FS	180.0	

ECOREGION = NORTH CENTRAL HARDWOOD FOREST — NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
86-0190	07010204		ANN	386	E	H	FS	190.0	
86-0208	07010203		SWART WATTS	171	E	H	FS	150.0	
86-0229	07010203		MINK	301	E	H	FS	100.0	
86-0230	07010203		SOMERS	158	E	H	FS	100.0	
86-0281	07010203		CAROLINE	116	M	H	FS	230.2	M
86-0282	07010203	015	LOUISA	149	M	H	FS	248.7	M
86-0297	07010203	015	SCOTT	92	M	H	FS	262.6	M

ECOREGION = NORTHERN GREAT PLAINS — PARTIALLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
41-0034	07020004		EAST STAY	220	E	E	FS	155.0	
76-0146-02	07020002		OLIVER (SE BAY) 1	-	M	E	FS	356.3	

ECOREGION = NORTHERN GREAT PLAINS — NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
06-0002	07020002		ARTICHOKE	2053	M	H	FS	280.0	
06-0029	07020001		LONG TOM	133	M	H	FS	213.3	
06-0152	07020001	022	BIG STONE	12610	M	E		-	M
37-0046-01	07020001		LAC QUI PARLE (SOUT	4700	E	H		-	
41-0021	07020006	007	DEAD COON	576	M	H	FS	186.7	
41-0043	07020006	008	BENTON AT LAKE BE	2857	M	H	FS	168.0	
41-0089	07020004		SHAOKOTON 7 MI SW	995	E	H	FS	165.0	
42-0002	07020006		SCHOOL GROVE 6 MI	318	E	H	FS	245.0	
42-0047	07100001		YANKTON	382	M	H	FS	146.7	
42-0052	07020008		ROCK	422	M	H	FS	158.3	
42-0093	07020006		EAST GOOSE	139	M	H	FS	166.7	
51-0063	07100001	006	SARAH	1093	M	H	FS	148.3	
51-0082	07100001		CURRANT	394	M	H	FS	198.0	
75-0075	07020002	002	PERKINS 10 MI N O	519	M	H	FS	262.9	
75-0200	07020002		HATTIE 5 MI S OF	488	M	H	FS	185.7	
75-0267	09020102	005	PETERSON SLOUGH	52	E	H	FS	240.0	
75-0268	09020102	005	LUNDBERG	91	E	H	FS	180.0	
76-0086	07020005		HASSEL	706	M	H	FS	240.0	
76-0146-01	07020002		OLIVER (NW BAY)	-	E	H	FS	300.0	

ECOREGION = NORTHERN LAKES AND FORESTS FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
01-0015	07010103		GREEN	68	E	M	FS	13.0	
01-0023	07010103		ROUND	577	M	O	FS	24.0	
01-0024	07010103	011	TOWN LINE	32	E	M	ST	6.2	
01-0031	07010103		ANDERSON	86	E	M	FS	24.0	
01-0032	07010103		CAMP	14	E	M	FS	12.0	
01-0038	07010103		REMOTE	132	E	O	ST	2.0	
01-0059	07010103		HAY	106	E	M	FS	96.0	
01-0087	07010104		SUGAR	398	E	O	FS	44.0	
01-0089	07010104		LONG	415	E	M	FS	76.0	
01-0102	07010104		WILKINS	372	M	O		-	
01-0117	07010104		NORD	411	E	M	FS	19.0	
01-0125	07010104		LONE	448	M	O		-	
01-0137	07010104		ROUND	607	E	O	FS	84.0	
01-0150	07010104		LITTLE SPRUCE	40	E	O	FS	42.0	
01-0157	07010207		BIG PINE	614	M	O	FS	98.0	
01-0159	07010104		FARM ISLAND	2054	M	M		-	
01-0178	07010104		SPIRIT	530	M	M	FS	82.0	
01-0208	07010104		SUNSET	135	E	M	FS	20.0	
01-0209-01	07010104		CEDAR (MAIN BASIN)	-	E	M	FS	108.0	
01-0212	07010105		MOULTON	258	E	M	ST	8.0	
01-0217	07010104		LITTLE TURTLE	11	M	M		-	
03-0029	07010106		HUNGRY MEN 2 MI E	91	M	M	FS	101.0	
03-0030	07010106		BOOT 2 MI NW OF TW	401	M	O	FS	157.3	
03-0085	07010106		BAD MEDICINE 11 MI	782	M	M	FS	130.0	
03-0134	09020103		GREEN WATER	71	E	M		-	
03-0136	09020103		JUGGLER	365	M	O		-	
03-0153	09020103		ISLAND	1160	M	M	FS	160.0	
04-0011	07010101		MOOSE	568	M	M	FS	120.0	
04-0030	07010101		CASS	29775	M	M	FS	142.5	M
04-0076	07010101		LONG	395	M	O		-	
04-0122	09020302		MEDICINE	446	E	M	FS	140.0	

ECOREGION = NORTHERN LAKES AND FORESTS — FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
04-0130	07010101	029	BEMIDJI	6420	M	M	FS	163.8	
04-0137	09020302		WHITEFISH	330	E	M		-	
04-0166	09020302		JULIA	450	M	M	FS	134.0	
04-0230	07010101		DEER	262	M	M	FS	152.5	
09-0003	04010301		GRAHAM	46	M	M		-	
09-0008	04010201		CHUB	274	M	M	FS	49.0	
09-0026	07030003	007	BOB	78	M	M		-	
09-0029	07030003		PARK	373	M	M		-	
09-0032	04010201		BIG	507	M	M	FS	16.0	
09-0034	07030003	006	BEAR	106	M	M		-	
09-0035	07030003	006	LITTL HANGING HORN	118	M	M		-	
09-0038	07030003	006	HANGING HORN	409	M	M		-	M
09-0057	07010103		EAGLE	410	E	M	FS	56.0	
09-0068	07010103		COLE	153	M	M	FS	20.0	
11-0009-01	07010103		L THUNDER (W BAY) 5	-	E	O	FS	140.0	
11-0009-02	07010103		L THUNDER (E BAY) 5	-	E	M	FS	140.0	
11-0045	07010105		MARGARET	15	E	M	ST	9.5	
11-0054	07010105		LITTLE ANDRUS	24	E	O	ST	8.5	
11-0059	07010105		WASHBURN	1768	M	M	FS	72.3	
11-0062	07010102		THUNDER	1331	M	M		-	
11-0069	07010102		BASS	224	M	O		-	
11-0073	07010103		BIG RICE	2530	E	M	FS	140.0	
11-0102	07010102		ISLAND 10 MI SW O	277	M	M	FS	42.1	
11-0105	07010102		UPPER TRELIPE 8 M	422	M	M	FS	131.7	
11-0121	07010102		MABEL	165	E	M	FS	38.0	
11-0142-02	07010102		LONG (MAIN BASIN)	650	M	O		-	
11-0171-01	07010102		WABEDO (NE BAY) 5	560	M	M		-	
11-0174	07010102		GIRL	383	M	O		-	
11-0201	07010102		WOMAN	4782	M	M		-	
11-0203-03	07010102	008	LEECH (AH-GWAH-CHIN	10	M	M		-	M
11-0203-04	07010102	008	LEECH (SHINGOBEE BA	40	M	M		-	M
11-0218	07010106		UPPER GULL	371	M	M		-	
11-0220	07010106		RAY (BASS LAKE)	136	M	M		-	
11-0221	07010106	007	SPIDER	21	M	M		-	
11-0234	07010102		PONTO	724	E	O	FS	60.0	
11-0237	07010105		DEEP PORTAGE	31	M	O		-	
11-0250	07010105		ADA	975	M	M	FS	95.0	
11-0263	07010102		CHILD	316	M	M		-	
11-0265	07010102		SQUAW	31	E	M	FS	150.0	
11-0273	07010102		WIDOW	180	M	M		-	
11-0296	07010102		MOCCASIN	242	E	M	FS	22.0	
11-0302	07010102		LITTLE PORTAGE	68	E	M	ST	5.4	
11-0304-01	07010106		SYLVAN (SW BAY) AT	-	E	M	FS	100.0	
11-0304-02	07010106		SYLVAN (NE BAY) AT	-	E	O	FS	110.0	
11-0305	07010106	004	GULL	9541	M	M	FS	108.2	
11-0308-01	07010105		BIG PORTAGE (WEST B	-	M	M	FS	120.0	
11-0308-02	07010105		BIG PORTAGE(E BAY/R	185	M	M		-	
11-0311	07010102		WEBB	724	E	O	FS	110.0	
11-0314	07010101		LYDICK	60	E	M		-	
11-0351	07010105		FIVE POINT	219	M	M	FS	140.0	
11-0355	07010105		OX YOKE	166	E	M	FS	110.0	
11-0358	07010105		HORSESHOE	225	E	M	FS	100.0	
11-0361	07010105		SANBURN	233	E	M	FS	90.0	
11-0383	07010102		PLEASANT	1038	M	O	FS	130.0	

ECOREGION = NORTHERN LAKES AND FORESTS — FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
11-0395	07010102		LONG	56	E	M	FS	10.0	
11-0411	07010105		PINE MTN	1567	E	M		-	M
11-0412	07010102		BIRCH	1283	M	M	FS	103.3	
11-0413	07010102		TEN MILE	4640	M	O		-	
11-0415	07010101		PIKE BAY	4760	E	M	FS	139.3	M
11-0450	07010106		SOUTH HAYNES	96	E	M	FS	68.0	
11-0472	07010102		HOWARD	398	M	M		-	
15-0005	07010101		SQUAW 3 MI SW OF	151	M	M	FS	76.0	
15-0010	07010101		ELK 5 MI S OF LAK	271	M	M	FS	160.0	
15-0057	07010101		LONG 5 MI NW OF L	145	M	O	FS	162.5	
15-0068	09020103		LONG LOST	390	M	O		-	
16-0019	04010101	015	TOM	576	M	M	ST	9.0	
16-0023	04010101		ESTHER	76	M	M	FS	10.0	
16-0027	04010101		MCFARLAND	384	E	O	FS	16.0	
16-0029	04010101		DEVILFISH	398	E	M	ST	8.0	
16-0030	04010101		HIGHLANDER	29	E	M	FS	10.0	
16-0033	04010101		CHESTER	49	M	M	FS	10.0	
16-0035	04010101		JOHN	169	E	M	FS	12.0	
16-0041	04010101	013	PINE	2257	E	O	FS	18.0	
16-0049	04010101		TROUT	257	M	O	FS	13.5	
16-0077	04010101	017	GREENWOOD	1783	M	O	ST	9.0	
16-0089	04010101	018	NORTHERN LIGHT	433	E	M	FS	10.0	
16-0090	04010101	013	CRYSTAL	211	E	O	FS	10.0	
16-0096	04010101		ELBOW	437	E	O	FS	11.0	
16-0104	04010101	026	MUSQUASH	141	E	M	FS	10.0	
16-0114	04010101		ALDER	534	E	O	FS	12.0	
16-0115	04010101		ROCKY	76	E	M	FS	16.0	
16-0139	04010101		CLEARWATER	1325	M	O	FS	15.0	
16-0143	04010101	024	DEVIL TRACK	1873	E	M	FS	14.5	
16-0146	04010101		E. BEARSKIN	643	E	M	FS	10.0	
16-0147	04010101		FLOUR	319	E	M	FS	22.0	
16-0156	04010101	026	TWO ISLAND	794	E	[illegible]	FS	10.0	
16-0164	04010101		BATH	30	E	M		-	
16-0182	04010101		BALL CLUB	188	M	M	ST	9.0	
16-0191	04010101		THRUSH	16	E	O		-	
16-0192	04010101		THRASHER	27	E	M		-	
16-0198	04010101		LEO	145	E	M	FS	10.0	
16-0202	04010101		SQUINT	18	M	M	FS	12.3	
16-0227	04010101		HUNGRY JACK	459	E	M	FS	20.0	
16-0228	04010101		WEST BEARSKIN	493	M	O	FS	18.0	
16-0232	04010101		DUNCAN	478	E	O	FS	20.0	
16-0235	04010101		MCDONALD	99	E	M	FS	10.0	
16-0239	04010101		POPLAR	755	E	M	FS	10.0	
16-0247	04010101		BIRCH	266	E	M	FS	19.0	
16-0252	04010101	032	PIKE	810	E	M	FS	20.0	
16-0267	04010101		VERNON	233	E	M	FS	11.0	
16-0299	09030001		RUSH	274	E	M	ST	9.0	
16-0328	09030001		IRON	105	E	M	FS	14.0	
16-0337	09030001		MAYHEW	202	E	O	FS	17.0	
16-0343	04010101		SURBER	10	E	M	FS	12.5	
16-0347	04010101		LITTLE CASCADE	262	E	O	FS	10.0	
16-0348	04010101	029	BRULE	4162	M	O	FS	10.0	
16-0356	09030001		GUNFLINT	4047	E	M	FS	24.0	
16-0357	09030001		CRAB	91	E	O	FS	16.0	

ECOREGION = NORTHERN LAKES AND FORESTS FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
16-0365	04010101	033	CLARA	410	E	O	FS	15.0	
16-0366	04010101		HOLLY	69	E	M	FS	24.0	
16-0373	04010101	033	CHRISTINE	192	E	M	FS	20.0	
16-0375	04010101		PIPE	300	E	M	ST	8.0	
16-0381	04010101	028	JOCK MOCK	17	E	M	FS	14.0	
16-0388	04010101	038	BOUDER	136	E	M	FS	10.0	
16-0398	04010101	029	WENCH	24	M	M	ST	7.5	
16-0402	04010101	029	JUNO	248	E	O	ST	8.0	
16-0406	04010101		HOMER	516	E	M	ST	9.0	
16-0412	04010101	029	NORTH CONE	86	M	O	ST	7.4	
16-0435	04010101		DAVIS	465	E	O	ST	7.0	
16-0448	09030001		LOON	1197	E	M	FS	15.0	
16-0453	04010101	035	RICE	182	E	M	FS	12.0	
16-0456	04010101		NORTH TEMPERANCE	178	E	M	ST	8.0	
16-0460	09030001		LONG ISLAND	901	E	O	FS	10.0	
16-0477	04010101		BURNT	327	E	M	FS	10.0	
16-0486	04010101		BAKER	24	E	M	FS	10.0	
16-0496	04010101	041	SAWBILL	944	E	M	FS	10.0	
16-0608	09030001		HAM	100	E	O	FS	12.0	
16-0617	09030001		GNEISS	220	E	O	FS	20.0	
16-0622	04010101	042	ALTON	1034	E	M	FS	12.0	
16-0629	09030001	022	SEA GULL	3736	M	M	FS	16.0	
16-0632-01	09030001	045	GULL (MAIN BASIN) 2	172	M	M		-	
16-0654	04010101		TIMBER	236	E	M	FS	10.0	
16-0659	09030001	021	BETH	182	E	M	ST	3.8	
16-0677	09030001	021	DENT	112	E	M	ST	7.8	
16-0686	09030001	021	WINE	264	E	M	ST	5.6	
16-0701	09030001	021	BARTO	95	E	M	ST	5.0	
16-0720	09030001	043	RATTLE	50	M	M		-	
16-0753	09030001		GILLIS	595	E	O	FS	14.0	
16-0757	09030001		PETER	259	E	O	FS	14.0	
16-0759	09030001	045	ALPINE	834	M	O	FS	14.0	
16-0768	09030001	043	JASPER	239	M	O		-	
16-0793	09030001	045	RED ROCK	353	E	M	FS	24.0	
16-0808	09030001	021	PHOEBE	625	E	M	ST	5.3	
16-0809	09030001	043	LITTLE SAGANAGA	1575	M	M	FS	14.0	
16-0811	09030001	043	GABIMICHIGAMI	1236	M	O	FS	14.0	
16-0812	09030001	043	KINGFISHER	35	M	O		-	
18-0019	07010207		KENNEY	108	M	M		-	
18-0034	07010104		BAY	2392	M	M		-	
18-0038	07010104		CLEARWATER	917	M	O		-	
18-0041-01	07010104		CROOKED-SUGAR BAY	120	M	M		-	
18-0041-02	07010104		CROOKED-MAIN BASIN	320	M	O		-	
18-0044	07010104		HANKS	171	M	M		-	
18-0048	07010207		PARTRIDGE	185	M	M		-	
18-0050	07010104		PORTAGE	292	M	M		-	
18-0059	07010104		BLACK	105	M	M		-	
18-0069	07010104		PORTAGE	120	M	M		-	
18-0090	07010104		SERPENT	1057	E	M		-	M
18-0099	07010104		EAGLE	228	M	M		-	
18-0140	07010104	026	BLACK BEAR	217	E	M	FS	120.0	
18-0206	07010105		PAPOOSE	94	M	M	ST	7.3	
18-0212	07010105		RUTH	623	M	O		-	
18-0225	07010105		ADNEY	322	M	M		-	

ECOREGION = NORTHERN LAKES AND FORESTS FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
18-0239	07010106		SILVER	213	M	O		-	
18-0251-01	07010105		SANDBAR (HORSESHOE	560	M	M		-	
18-0251-02	07010105		SANDBAR (HORSESHOE	415	M	M		-	
18-0271	07010105		DAGGETT	225	M	M		-	
18-0284	07010105		VELVET	160	M	M		-	
18-0297	07010105		WEST FOX	472	M	O		-	
18-0298	07010105		EAST FOX	234	M	M		-	
18-0301	07010105		MEYER	53	E	M	FS	150.0	
18-0305	07010105		EDWARD	2032	E	M	FS	120.0	
18-0306	07010106		BASS	455	M	M		-	
18-0308	07010105		PELICAN	8253	M	O		-	M
18-0310	07010105	007	WHITEFISH	7370	M	O	FS	114.0	
18-0311	07010105	007	RUSH	891	M	O		-	
18-0312	07010105	008	CROSS	1751	M	O	FS	113.3	
18-0315	07010105		BIG TROUT	1418	M	O	FS	102.0	
18-0320-01	07010104		GILBERT (EAST BAY)	-	E	M	FS	92.0	
18-0320-02	07010104		GILBERT (WEST BAY)	-	E	M	FS	120.0	
18-0352	07010105		OSSAWINNAMAKEE	644	M	O		-	
18-0354	07010105	008	PIG	213	M	O		-	
18-0356	07010105	008	CLAMSHELL	189	E	O		-	
18-0359	07010105		STAR	153	M	O		-	
18-0360	07010105		LITTLE STAR	50	M	O		-	
18-0361	07010105		KIMBALL	186	M	M		-	
18-0362	07010105	008	GRASS	52	M	M		-	
18-0364	07010105		CLEAR	220	M	O		-	
18-0372	07010106		NORTH LONG	5998	M	M	FS	120.0	
18-0373	07010106		ROUND 3 MI S OF N	1644	M	M	FS	130.0	
18-0374	07010106		CLARK	309	E	M		-	
18-0376	07010106		UPPER CULLEN	435	M	M		-	
18-0377	07010106		MIDDLE CULLEN	382	M	M	FS	120.0	
18-0378	07010105	008	LOWER HAY	685	M	M	FS	110.0	
18-0398	07010106		ROY	271	M	M		-	
18-0399	07010106		NISSWA	207	M	M		-	
18-0403	07010106		LOWER CULLEN	512	M	M		-	
18-0409	07010106		WEST TWIN	117	M	O		-	
29-0001	07010106		KETTLE	41	E	O	FS	120.0	
29-0015	07010102		CRYSTAL	91	E	O	FS	80.0	
29-0020	07010106		LOON	112	E	M		-	
29-0022	07010102		STEEL	55	E	O	FS	170.0	
29-0023	07010106		ROBINSON	46	E	M	FS	110.0	
29-0048	07010102		BENEDICT	440	M	M		-	
29-0061	07010102	020	GARFIELD	980	M	M		-	
29-0074	07010106		INDIAN	49	E	O	FS	140.0	
29-0075	07010102	022	KABEKONA	2252	M	M		-	
29-0081	07010106		WOLF	261	E	M	FS	86.0	
29-0083	07010106		BLADDER	217	E	M	FS	100.0	
29-0117-02	07010106		SPIDER (EAST BAY) 2	120	M	O		-	
29-0148	07010106		UPPER BOTTLE	465	E	O		-	
29-0151-01	07010106		BIG MANTRAP (EAST B	750	E	M		-	
29-0151-02	07010106		BIG MANTRAP (MIDDLE	700	E	M		-	
29-0151-04	07010106		BIG MANTRAP (WEST A	200	E	O		-	
29-0151-05	07010106		BIG MANTRAP (HOME B	80	E	O		-	
29-0161	07010106	030	LONG	1974	M	M		-	
29-0180	07010106		LOWER BOTTLE	660	E	O		-	

ECOREGION = NORTHERN LAKES AND FORESTS FULLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
29-0185	07010106		BIG SAND	1640	M	O		-	
29-0188	07010106		GILMORE	91	E	M		-	
29-0239	07010101	033	SPEARHEAD	188	M	O		-	
29-0247	07010106		MORAN	95	E	M		-	
29-0312	07010106		CEDAR 3 MI E OF T	98	M	M	FS	120.0	
31-0001	04010201		LONG	124	E	M	FS	88.0	
31-0020	07010103		HART	325	M	M	FS	91.0	
31-0026-01	07010103		TWIN (EAST BAY) 5 M	-	E	M	FS	16.0	
31-0052	07010103		BOWER	88	M	M		-	
31-0058	09030005		BEATRICE	123	E	M	FS	10.0	
31-0093	07010103		LITTLE SAND	206	E	M	FS	70.0	
31-0141	07010103		SHOAL	285	E	M	FS	45.0	
31-0158	09030005		THISTLEDEW	318	M	M	FS	88.0	
31-0160	09030005		MIRROR	102	M	M		-	
31-0171	09030005		CRUM	21	M	M		-	
31-0175	09030006		LONG	86	M	M	ST	5.5	
31-0188	09030006	019	LORRAINE	31	E	M	FS	140.0	
31-0190	07010103		TWIN	250	E	M	FS	120.0	
31-0209	07010103	013	CLEAR	92	M	M	ST	9.0	
31-0218	07010103	028	SHAMROCK	52	E	M	FS	140.0	
31-0219	07010103	028	0'REILLY	198	E	M	FS	140.0	
31-0254	07010103		UNNAMED	20	E	M	FS	12.0	
31-0259	07010103		BALSAM	654	M	M		-	
31-0260	07010103		WHITE SWAN	148	M	M		-	
31-0289	09030005		LOST	85	M	M		-	
31-0311	09030006		ERSKINE	39	M	O		-	
31-0316	09030006		BASS	125	M	M	FS	11.8	
31-0317	09030006		LARSON	187	M	O	FS	160.0	
31-0339	09030006	019	PICKEREL	293	E	M	FS	110.0	
31-0349	07010103		ANTLER	232	M	M		-	
31-0373	07010103		HALE	142	E	M	FS	140.0	
31-0392	07010103		WABANA	2133	E	M		-	
31-0414	07010103		MOON	27	M	M		-	
31-0416	07010103		BLACK ISLAND	102	M	M	ST	8.0	
31-0417	07010103		NOSE	96	M	M	ST	7.0	
31-0422	09030006		RUBY	229	M	O		-	
31-0424	07010103		BURNT SHANTY 10 M	183	M	M	FS	42.3	
31-0434	07010103		SNOWSHOE	20	E	M	FS	14.0	
31-0438	07010103		SAND 12 MI N OF C	150	M	M	FS	79.3	
31-0454	07010103		EAGLE	252	M	M	FS	52.0	
31-0480	09030006		GUNN	342	E	M	FS	120.0	
31-0481	09030006		HIGHLAND	102	E	M		-	
31-0524-01	09030006	009	COON (NW BAY/COON L	-	E	M	FS	52.0	
31-0524-02	09030006		COON (SE BAY (SANDW	-	E	M	FS	52.0	
31-0532-01	07010101	003	POKEGAMA (MAIN)	3180	M	O		-	
31-0532-02	07010101	003	POKEGAMA (WENDIGO)	12720	E	M		-	
31-0536	07010103		DOAN	89	M	O		-	
31-0540	09030006		CLUBHOUSE	210	M	M	FS	110.0	
31-0554	07010101	003	SISEEBAKWET	1312	E	O	FS	110.0	
31-0603	07010101		LUCKY	13	E	O	ST	8.0	
31-0604	07010101		LAWRENCE	41	E	O	FS	12.0	
31-0616	09030006		EAST SMITH	145	E	M	FS	12.0	
31-0620	09030006		CARIBOU	251	E	O	FS	22.0	
31-0624	09030006		GRAVE	503	E	M	FS	130.0	

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LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
31-0638	07010101		BEAVER	13	E	O	FS	10.0	
31-0643	07010101		DOCTOR	17	E	O	ST	8.0	
31-0644	07010101		ISLAND	19	M	O		-	
31-0645	07010101		KREMER	64	E	M	FS	10.0	
31-0649	09030006		DOCK	30	E	O	ST	8.0	
31-0653	09030006		NORTH STAR	1052	E	M	FS	110.0	
31-0656	09030006		BIG DICK	246	M	M		-	
31-0664	09030006		RANIER	72	M	O	FS	52.0	
31-0671	09030006		BIG ISLAND 5 MI E	193	M	M	FS	18.1	
31-0679	09030006		LITTLE SMITH	27	E	M	FS	44.0	
31-0687	09030006		JOHNSON	305	E	M		-	
31-0719	07010101	007	DEER	3926	M	O		-	
31-0722	07010101		MOOSE	1231	E	M	FS	120.0	
31-0725	09030006		(BIG) TURTLE	2018	M	M		-	
31-0775	07010103	035	NO-TA-SHE-BUN	238	E	M	FS	96.0	
31-0812	07010101	010	BALL CLUB	3936	E	M	FS	135.0	
31-0837	09030006	009	NOMA	59	M	M		-	
33-0003	07030003		FIVE	42	M	M	ST	5.6	
38-0011	09030001	043	AGAMOK	106	M	M		-	
38-0024-01	04010101		CROOKED (EAST BAY)	-	E	O	FS	17.0	
38-0026	04010101		HARE 4 MI NW OF TA	48	E	M	FS	18.0	
38-0028	04010101		ECHO 4.5 MI NW OF	46	E	M	FS	24.0	
38-0029	04010101		GOLDENEYE	10	E	M	FS	10.0	
38-0033	04010101		NINEMILE 4 MI NW	339	E	M	FS	21.0	
38-0047	04010101		WILSON	622	M	M	FS	16.7	
38-0057	04010101		HOGBACK 5 MI E OF	44	E	M	FS	19.0	
38-0058	04010101		SCARP 5.5 MI E OF	43	E	M	FS	10.0	
38-0064	09030001		COFFEE	126	E	M	FS	10.5	
38-0067	04010101		ORGAN	44	M	O		-	
38-0104	09030001	021	POLLY	513	E	O	FS	10.0	
38-0108	09030001	021	KIVANIVA	38	M	M		-	
38-0113	09030001	021	RAVEN	205	E	M	FS	10.0	
38-0126	09030001	021	ELTON	122	M	M		-	
38-0140	09030001	021	BOULDER	236	E	M	FS	11.0	
38-0147	09030001	021	MAKWA	143	M	O		-	
38-0151	09030001	021	PAN	100	M	M		-	
38-0153	09030001	021	ADAMS	448	M	O	ST	9.5	
38-0157	09030001	021	ANIT	11	M	M		-	
38-0166	09030001	043	CHERRY	147	E	M	FS	22.0	
38-0180	09030001	043	OGISHKEMUNCIE	701	M	O	FS	13.0	
38-0187	09030001	043	EDDY	197	M	O	FS	17.0	
38-0188-02	09030001	043	EKABIC PONDS(MIDDLE	24	M	O		-	
38-0193	09030001	043	MUELLER	24	M	O		-	
38-0194-01	09030001	043	JENNY (WEST BAY)	93	M	O		-	
38-0195	09030001	043	ANNIE	23	M	M		-	
38-0206	09030001	043	HANSON	284	E	M	FS	26.0	
38-0207	09030001	043	ESTER	389	E	M	FS	28.0	
38-0214	09030001	043	RABBIT	104	E	M	FS	22.0	
38-0218	04010101		ELIXER	18	E	M	FS	24.0	
38-0223	09030001	021	BEAVER	237	M	M	ST	7.3	
38-0225	09030001	021	SAGUS	172	E	M	FS	10.0	
38-0226	09030001	043	KEKEKABIC	1620	M	O	FS	16.0	
38-0227	09030001	043	AMOEBER	386	E	M	FS	24.0	
38-0269	04010101		HOMESTEAD 4.5 MI	57	E	M	FS	14.0	

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LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
38-0330	09030001	021	ALICE	1566	M	M	FS	10.0	
38-0336	09030001	021	AMBER	135	M	M	ST	6.9	
38-0338	09030001	021	RIVER	126	M	M		-	
38-0351	09030001	021	THOMAS	1471	M	O	ST	9.3	
38-0369	09030001	021	HATCHET	126	E	M	ST	9.6	
38-0372	09030001	021	FRASER	1091	M	O	FS	10.0	
38-0388	09030001	043	SPOON	223	M	M	FS	30.0	
38-0390	09030001	043	BONNIE	71	M	M		-	
38-0397	09030001	021	INSULA	2700	E	M	ST	9.7	
38-0404	09030001	043	KNIFE	5536	M	O	FS	30.0	
38-0453	09030001	021	SOUTH WILDER	614	E	O	ST	6.0	
38-0488	09030001	021	DISAPPOINTMENT	976	E	M	FS	12.0	
38-0491	09030001	043	VERA	181	E	O	FS	35.0	
38-0498	09030001	021	ENSIGN	1408	E	M	FS	21.0	
38-0502	09030001	043	ASHIGAN	189	E	M	FS	36.0	
38-0526	09030001	021	PARENT	1571	E	O	FS	16.0	
38-0529	09030001	023	SNOWBANK	3303	M	O	FS	13.0	
38-0580	09030001	021	HORSESHOE	194	E	M	ST	6.2	
38-0584	09030001	021	PIETRO	339	E	M	FS	12.0	
38-0590	09030001	021	GULL	503	E	M	ST	8.0	
38-0600	09030001	021	THREE	854	E	M	ST	8.0	
38-0605	09030001	021	ONE	876	E	O	FS	10.0	
38-0608	09030001	021	LAKE TWO	481	E	M	ST	9.0	
38-0616	09030001	021	MANOMIN	455	E	M	ST	9.0	
38-0638	09030001	021	CLEARWATER	641	E	O	ST	9.0	
38-0640	09030001	021	OJIBWAY	438	E	M	FS	33.0	
38-0645	09030001		BASSWOOD-WHOLELAKE	29400	E	M	FS	17.0	
38-0651	04010202		KANE	110	M	M	ST	7.9	
38-0664	09030001	011	DUNNIGAN	83	M	M	ST	3.9	
38-0674	09030001	011	EAST CHUB	64	M	M	FS	23.8	
38-0691	09030001		AUGUST	218	E	M	FS	17.0	
38-0701	09030001	021	GABBRO	896	E	M	FS	31.3	
38-0715	09030001	021	TRIANGLE	318	E	O	FS	36.0	
38-0718	09030001	021	GREENSTONE	345	E	M	FS	22.0	
38-0724	09030001	021	TOFTE	134	E	M	FS	69.3	
38-0727	09030001	021	ELLA HALL	511	E	M	FS	28.0	
38-0729	09030001	021	WOOD	643	E	M	FS	49.0	
38-0741	09030001	021	PICKEREL	184	E	M	FS	29.4	
38-0744	04010102		STEWART	267	M	M	FS	52.0	
38-0779	09030001		FARM	1328	M	M	FS	14.0	
38-0780	09030001		BROWNS	206	E	M	FS	22.0	
38-0784	09030001		NEWTON	500	E	M	FS	16.0	
38-0786	09030001		SANDPIT	65	M	O	ST	9.7	
38-0792	09030001		HORSE	647	E	O	ST	6.0	
38-0810	09030001		CEDAR	489	E	O	FS	26.0	
38-0816	09030001		MOOSECAMP	190	E	O	ST	8.0	
38-0817	09030001	037	CROOKED	10904	E	M	FS	20.0	
48-0002	07010207		MILLE LACS	132516	M	M	FS	92.3	
49-0015	07010201		LONG	120	E	M	FS	110.0	
49-0016	07010201		SULLIVAN	1221	E	O	FS	72.0	
49-0019	07010201		ROUND	113	M	M		-	
49-0137	07010108	017	FISHTRAP	1303	M	M		-	
58-0007	07030001		ROCK	81	M	M		-	
58-0013	07030001		GRIEGS	53	M	M		-	

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LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
58-0024	07030001		BIG TAMARACK	75	M	M	ST	6.1	
58-0028	07030001	042	LITTLE TAMARACK	60	M	M		–	
58-0044	07030001		OLIVE	12	M	M		–	
58-0048	07030003		OAK	442	E	M		–	
58-0062	07030003		ISLAND	546	M	M		–	
58-0074	07030003		JOHNSON	37	E	M	FS	16.0	
58-0078	07030003		RUSH	125	M	M		–	
58-0081	07030003		SAND	501	E	M		–	
58-0088	07030001		UNNAMED	10	M	M		–	
58-0107	07030003	003	LONG	75	E	M		–	
58-0123	07030003	022	GRINDSTONE	529	M	M		–	
58-0127	07030003		LITTLE BASS	16	M	M	ST	6.2	
58-0128	07030003		BASS	30	E	M	ST	4.0	
69-0001	04010201		PINE	430	E	M	FS	15.3	
69-0061	09030001	006	ONE PINE	363	E	M	FS	18.0	
69-0063	09030001		BASS	144	E	M	FS	28.0	
69-0066	09030001	025	LITTLE LONG	293	E	M	FS	42.0	
69-0071	09030001		HIGH	277	E	M	ST	8.0	
69-0084	09030001		SLETTEN	18	M	M	ST	7.3	
69-0085	09030001	025	FENSKE	105	M	M		–	
69-0093	09030001		GUN	336	E	M	FS	10.0	
69-0100	09030001		BOOT	308	E	M	ST	6.0	
69-0115	09030001		BEAR ISLAND	2667	E	M	FS	15.0	
69-0117	09030001	006	JOHNSON	465	E	M	FS	10.0	
69-0118	09030001	025	BURNTSIDE	10236	M	O	FS	12.0	
69-0128	04010202		BRIAR	70	M	M	FS	20.0	
69-0129	04010202		SPRING	97	E	M	FS	50.0	
69-0161	09030001	025	WOLF	299	E	M	FS	38.0	
69-0181	09030001		SLIM	296	E	M	ST	6.0	
69-0205	09030001		STUART	752	E	O	ST	6.0	
69-0213	09030001	028	TOE	484	E	O	FS	16.0	
69-0220	09030001		CRAB	219	E	O	ST	8.0	
69-0223	09030001	031	AGNES	973	E	O	FS	12.0	
69-0224	09030001		LAC LA CROIX	34070	E	M		–	
69-0254	04010201		BEAR HEAD	674	E	M	FS	19.7	
69-0278	09030002	024	ARMSTRONG	389	E	M	FS	38.0	
69-0285	09030002		EAGLENEST #4	1471	E	M	FS	44.0	
69-0316	09030001	033	BIG MOOSE	1032	E	M	ST	8.0	
69-0329	09030001		MEANDER	139	M	O		–	
69-0330	09030001		OYSTER	714	E	O	ST	8.0	
69-0342	09030001		ROCKY	114	E	O	ST	6.0	
69-0343	09030001		HUSTLER	272	M	M	ST	4.9	
69-0350	09030001	028	GE-BE-ON-EQUAT	607	E	O	ST	8.0	
69-0369	09030001	028	TAKUCMICH	320	E	O	FS	10.0	
69-0381	09030002		BUCK	194	E	O	ST	8.0	
69-0434	04010201	035	WYNNE	279	E	M	FS	52.7	
69-0448	09030002		PINE	912	E	M	ST	7.0	
69-0452	09030001		BOOTLEG	352	E	O	ST	6.0	
69-0464	09030001		UPPER PAUNESS	215	E	M	ST	6.0	
69-0470	09030001		LOON	2616	E	O	ST	8.0	
69-0481	09030001	028	FAT	102	M	O		–	
69-0484	09030001	028	LITTLE LOON	175	E	M	FS	10.0	
69-0487	09030001	028	GUN	158	E	M	ST	6.0	
69-0493	04010201		LONG	208	E	M		–	

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LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
69-0498	09030002	028	TROUT	7641	E	M	FS	11.0	
69-0528	04010201		LITTLE LONG	19	E	M	FS	15.0	
69-0553	04010201		BASS	146	E	M		-	
69-0565	04010201	035	ESQUAGAMA	366	M	M	FS	64.0	
69-0587	09030002	028	ORINIACK	761	E	O	ST	7.0	
69-0591	09030002		PICKET	312	E	O	ST	8.0	
69-0604	09030001	026	DOVRE	120	E	O	ST	6.0	
69-0616	09030002	003	CRANE	3088	E	M	FS	16.0	
69-0684	09030003		MUKOODA	754	E	O	FS	27.0	
69-0690	09030002		WINCHESTER	360	E	O	ST	8.0	
69-0694	09030003		RAINY	220800	E	M		-	
69-0744	09030002	029	ELBOW	1852	E	O	ST	7.0	
69-0748	09030002		KJOSTAD	444	E	O	ST	8.0	
69-0755	09030002		MARION	163	E	O	FS	22.0	
69-0760	09030003		LITTLE JOHNSON	481	E	M	FS	16.0	
69-0763	04010201		DOHERTY (SPIRIT)	71	M	M		-	
69-0765	09030003		LONG	409	E	M	FS	40.0	
69-0802	09030002		HOODOO	252	E	O	ST	9.0	
69-0806	09030002	007	MOOSE	977	E	O	FS	16.0	
69-0819	09030003		GANNON	89	E	M	FS	20.0	
69-0842	09030003	024	BLACKDUCK	1264	E	O	FS	42.0	
69-0864	09030003		ASH	669	E	O	FS	50.0	
69-0916	09030005		DOLLAR	11	E	M	FS	18.2	
69-0923	07010103		HOBSON	66	M	M	ST	8.8	
69-0939	09030005		STURGEON	1664	M	O		-	
80-0011	07010106		SAND	128	E	O	FS	42.0	

ECOREGION = NORTHERN LAKES AND FORESTS — FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
01-0062	07010103		BIG SANDY 10 MI N	6571	M	E	FS	54.5	
01-0077	07010103		RAT	405	M	E	FS	80.0	
01-0096	07010104		DAM	642	E	E	FS	80.0	
01-0099	07010104		GUN	760	M	E	FS	115.6	
01-0104	07010104		FRENCH	137	E	E	FS	120.0	
01-0126	07010104		SJODINE	50	E	E	FS	14.0	
01-0129	07010104		SISSABAGAMAH	365	E	E	FS	56.0	
01-0136	07010104		WAUKENABO	644	M	E	FS	110.0	
01-0142-01	07010103		HILL (SOUTH ARM) AT	-	E	E	FS	140.0	
01-0142-02	07010103		HILL (MAIN BASIN) A	-	E	E	FS	135.0	
01-0147	07010104	025	ESQUAGAMAH	835	M	E		-	
01-0148	07010103		WHITE ELK	780	E	E	FS	16.0	
01-0170	07010104		HANGING KETTLE	302	E	E		-	
01-0185	07010104		DOGFISH 2.	43	E	E	FS	26.0	
01-0188	07010104		BLIND	370	E	E	FS	80.0	
01-2001	07010104		UNNAMED	135	E	E		-	
03-0107	09020103		TOAD	1666	M	E	FS	165.0	
03-0127	07010106		BASS	135	E	E	FS	140.0	
03-0189	09020103		LITTLE TOAD	345	M	E	FS	167.5	
04-0038	07010101	027	ANDRUSIA	1510	E	E	FS	150.0	M
04-0079	07010101	027	WOLF	1051	E	E	FS	146.7	M
04-0124	09020302		SANDY	260	E	E	FS	60.0	
09-0006	04010301		BLACKHOOF	41	E	E	FS	17.0	
09-0016	04010301		SAND	123	M	E	ST	5.4	
09-0019	04010301		MUNSON	36	M	E		-	
09-0020	04010301		KATZEL	46	M	E		-	
09-0041	07030003	006	MOOSEHEAD	291	M	E		-	
09-0060-02	07010103		ISLAND (SOUTH BAY)	-	E	E	FS	60.0	
09-0062	07010103		CROSS	110	M	E		-	
11-0029	07010101	035	VERMILLION	417	E	E	FS	150.0	
11-0037	07010105		LEAVITT	130	M	E		-	
11-0046	07010105		MARION	8	E	E	FS	10.8	
11-0055	07010105		PAVELGRIT	20	M	E	ST	6.3	
11-0092	07010102		LITTLE SAND	428	M	E	FS	38.5	
11-0104	07010102		LAURA	1346	E	E	FS	76.0	
11-0116	07010102		STEVENS	88	M	E	ST	9.3	
11-0129	07010102		LOWER TRELIPE	425	E	E	FS	140.0	
11-0147	07010101		WINNIBIGOSHISH	53425	E	E		-	
11-0156	07010105		LOUISE	46	E	E	FS	56.0	
11-0162	07010102	031	RICE	248	E	E	FS	150.0	M
11-0222	07010106	008	MARGARET	222	M	E		-	
11-0253	07010105		WEST TWIN	36	E	E	ST	5.0	
11-0257	07010102		ISLAND	176	E	E	FS	94.0	
11-0297	07010102		STOCKING	34	E	E	FS	18.0	
11-0307	07010105		NORWAY	505	E	E	FS	130.0	
11-0367	07010105		LIND	377	E	E	FS	140.0	
11-0381	07010102		PAQUET	122	E	E	FS	120.0	M
16-0141	04010101		CARIBOU	452	E	E	FS	17.0	
16-0220	04010101		MORGAN	82	E	E	FS	11.0	
16-0233	04010101		PARTRIDGE	109	E	E	FS	22.0	
16-0250	04010101		MARK	183	E	E	FS	12.0	
16-0342	09030001		E. POPE	30	E	E	FS	11.0	
16-0346	04010101	006	CASCADE	435	E	E	FS	10.0	
16-0354	04010101		WINCHELL	820	E	E	ST	9.0	

ECOREGION = NORTHERN LAKES AND FORESTS — FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
16-0360	04010101	006	CARIBOU	728	M	E	FS	29.8	
16-0380	04010101	028	GUST	135	E	E	FS	10.0	
16-0382	04010101		LICHEN	276	E	E	FS	10.0	
16-0454	04010101	038	CRESCENT	836	E	E	FS	12.0	
16-0571	09030001		FROST	236	E	E	FS	11.0	
16-0607	09030001		ROUND	14	E	E	FS	14.0	
16-0645	04010101		TOOHEY	406	E	E		-	
16-0657	09030001	021	GRACE	391	E	E	ST	6.0	
18-0009	07010201		ERSKINE	176	M	E	FS	120.0	
18-0060	07010104		AGATE	184	E	E	FS	67.0	
18-0076	07010104		LONG	196	M	E		-	
18-0088	07010201		PLATTE	1673	E	E	FS	92.0	
18-0093	07010104		RABBIT	531	E	E	FS	140.0	M
18-0096	07010104	011	UPPER (SOUTH) LONG	793	M	E		-	
18-0104	07010104	011	NOKAY	660	M	E	FS	110.0	
18-0117	07010104		BLACKHOOF	183	E	E	FS	103.8	M
18-0136	07010104	011	LONG (LOWER SOUTH)	1380	M	E		-	
18-0155	07010104		CROW WING	373	M	E		-	
18-0165	07010105		ROSS	495	M	E		-	
18-0183	07010105		ISLAND	240	M	E	FS	44.0	
18-0185	07010105	004	MARY	380	M	E		-	
18-0195	07010105		DOLNEY	264	M	E		-	
18-0207	07010105		SQUAW	82	M	E	ST	6.5	
18-0218	07010105		TROUT	121	M	E		-	
18-0220	07010105		SMOKY HOLLOW	123	E	E	FS	16.0	
18-0224	07010105		FOOL	246	E	E	FS	12.0	
18-0240	07010106		FAWN	132	M	E		-	
18-0242	07010104		UPPER MISSION	817	M	E	FS	100.0	
18-0243	07010104		LOWER MISSION	698	M	E	FS	120.0	
18-0266	07010105		LITTLE PINE	384	M	E		-	
18-0287	07010105		GREER	353	E	E	FS	70.0	
18-0294	07010105		MITCHELL	433	E	E	FS	110.0	
18-0296	07010105		EAGLE	356	M	E		-	
18-0379	07010104		WHITE SAND	441	M	E		-	
18-0404	07010106		SIBLEY	418	M	E		-	
18-0408	07010106		MAYO	155	M	E		-	
18-0412	07010105		UPPER HAY	581	E	E	FS	110.0	
18-0416	07010105		LIZZIE	170	E	E	FS	100.0	
29-0003	07010106		NAGEL	69	E	E	FS	110.0	
29-0066	07010102		MIDGE	588	M	E	FS	120.0	
29-0077	07010106		THIRD CROW WING	646	M	E		-	
29-0085	07010106		SECOND CROW WING	12	E	E		-	
29-0157	07010106	028	NORTH TWIN	225	E	E	FS	180.0	M
29-0250	07010106		PORTAGE 4.5 MI NW	412	M	E		-	
31-0003	09030005		SOUTH STURGEON	193	E	E	FS	24.0	
31-0026-02	07010103		TWIN (WEST BAY) 6	43	M	E		-	
31-0028	04010201		BEAUTY	217	E	E	FS	24.0	
31-0051	07010103		STINGY 13 MI N OF	377	M	E	FS	29.8	
31-0057	07010103		SHERRY	104	E	E	FS	28.0	
31-0067-01	07010103	013	SWAN (WEST BAY)	9	M	E		-	M
31-0067-02	07010103	017	SWAN (MAIN BASIN)	9	M	E	FS	108.6	M
31-0069	07010103		BUCK 10 MI N OF N	492	M	E	FS	42.5	
31-0070	07010103	029	O'LEARY	124	M	E		-	
31-0120	07010103		MCCARTHY	112	M	E		-	

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LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
31-0152	07010103	030	WOLF	188	E	E	FS	50.0	
31-0154	07010103		HARTLEY	281	E	E	FS	78.0	
31-0157	09030005	011	BEAR	339	M	E	FS	40.0	
31-0193	07010103		CROOKED	418	E	E	FS	68.0	
31-0216	07010103		TROUT	1890	M	E	FS	122.0	M
31-0231	07010103	028	LAWRENCE	395	E	E	FS	66.0	
31-0292	09030005		OWEN	328	E	E	FS	16.0	
31-0334	09030006	019	DEER	1748	M	E	FS	100.0	
31-0347	07010103		SPRUCE	56	E	E	FS	46.0	
31-0384	07010103	026	PRAIRIE	991	E	E	FS	78.0	
31-0413	07010103		BURROWS	291	E	E	FS	13.0	
31-0530	09030006		BUSTIES	252	M	E	FS	80.0	
31-0533	07010103	031	BLANDIN	449	E	E	FS	140.0	
31-0547	07010101		SMITH	39	M	E		-	
31-0576	07010101		BASS	2457	E	E	FS	120.0	
31-0586	07010101		JOHNSON	305	E	E	FS	20.0	
31-0600	07010101		HILL	38	E	E	FS	10.0	
31-0610	07010101		LITTLE MOOSE	271	E	E	FS	150.0	
31-0622	09030006		DEAD HORSE	97	E	E	FS	69.0	
31-0623	09030006		BOY	27	E	E	FS	130.0	
31-0646	07010101		SURPRISE	11	E	E	FS	10.0	
31-0654	09030006		BURNS	144	E	E	FS	100.0	
31-0663	09030006		FOREST	36	E	E	FS	100.0	
31-0704	09030006		BATSON	110	E	E	FS	150.0	
31-0718	07010101		STEVENS	228	E	E	FS	76.0	
31-0726	09030006		BELLO	493	E	E		-	
31-0733	07010101		LITTLE SISEEBAKWET	304	E	E	FS	96.0	
31-0786	09030006		JESSIE	1635	M	E	FS	140.0	
31-0826	09030006	015	SAND	4306	E	E	FS	115.0	
31-0848	09030006	009	BEAVER	32	M	E		-	
31-0850	07010101		LTL WINNIBIGOSHISH	896	E	E	FS	150.0	
31-0877	09030006	012	SQUAW	2158	E	E	FS	110.0	
31-0882	09030006	011	DORA	735	M	E	FS	120.0	
33-0001	07030003		ELEVEN	290	E	E	FS	40.0	
33-0006	07030003		FEATHERBED	38	E	E	ST	4.0	
33-0024	07030004	008	FULL OF FISH	51	E	E	ST	8.0	
38-0053	04010101	047	DAM FIVE	82	E	E	FS	36.0	
38-0068	09030001		WINDY	450	E	E	ST	8.0	
38-0079	09030001	021	WATONWAN	66	E	E	ST	8.0	
38-0080	09030001	021	KAWISHIWI	400	E	E	ST	8.0	
38-0090	09030001	021	MALBERG	404	E	E	ST	8.0	
38-0098	09030001	021	KOMA	260	E	E	ST	5.8	
38-0150	09030001	021	PANHANDLE	8	M	E		-	
38-0220	09030001	019	PERENT	1800	E	E	ST	7.5	
38-0255	04010101		TANNER	55	E	E	FS	10.0	
38-0256	04010101		DIVIDE	65	E	E	FS	10.0	
38-0393	04010101		DUMBELL	476	E	E	FS	26.0	
38-0396	09030001		ISABELLA	1516	E	E	ST	8.0	
38-0400	09030001	021	IMA	773	E	E	FS	14.0	
38-0406	04010102		LAX	274	E	E		-	
38-0415	09030001		DELAY	94	E	E	FS	22.0	
38-0483	09030001	021	FIRE	96	E	E	FS	14.0	
38-0503	09030001	021	BOOT	209	E	E	FS	15.0	
38-0642	09030001	021	WIND	1009	E	E	FS	24.0	

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LAKEID	HUC	SEG	NAME		ACRES	ME	TROPHIC	SA	ALK	SOURCES
38-0650	04010202		MARBLE		159	E	E	FS	34.0	
38-0656	09030001	011	GREENWOOD		1469	E	E	ST	6.3	
38-0666	09030001	011	SLATE		235	E	E	FS	20.0	
38-0673	09030001	011	HIGHLIFE		20	M	E		-	
38-0704	09030001	014	TURTLE		337	E	E	ST	8.3	
38-0722	09030001	021	CLEAR		236	E	E	FS	10.0	
38-0735	09030001	011	SAND		506	E	E	FS	19.3	
38-0738	09030001		GARDEN		670	E	E	FS	16.0	
38-0750	04010102		CHRISTIANSON		158	M	E	ST	2.3	
38-0751	04010202		THOMAS		157	E	E	FS	28.0	
38-0785	09030001		TIN CAN MIKE		147	E	E	FS	12.0	
49-0032	07010104		MICHAELS		68	E	E	ST	6.0	
49-0079	07010108		ALEXANDER		2990	E	E	FS	106.7	
49-0127	07010108		SHAMINEAU		1681	E	E	FS	95.3	
58-0010	07030001		RAZOR		100	M	E		-	
58-0012	07030001		MCGOWAN		21	M	E		-	
58-0015	07030001		KEENE		13	M	E		-	
58-0054	07030001	046	WALLACE		26	M	E		-	
58-0063	07030003		LORDS		36	E	E	FS	24.0	
58-0067	07030003		STURGEON		1700	E	E	FS	40.0	
58-0073	07030003		DAGO		107	M	E		-	
58-0083	07030003		SECOND		44	M	E		-	
58-0089	07030003		CEDAR		69	M	E		-	
58-0099	07030003	004	FIRST		80	M	E		-	
58-0103	07030003		MUD		29	M	E		-	
58-0132	07030003		INDIAN		73	E	E	ST	8.0	
58-0135	07030003		MILLER		77	E	E	ST	8.0	
58-0137	07030003		BASS		195	E	E	FS	16.0	
58-0138	07030003	020	BIG PINE		387	M	E	FS	88.0	
69-0002	04010201		SEVEN BEAVER		1410	E	E	FS	20.8	
69-0003	09030001	006	BIRCH	2 M	7628	E	E	FS	26.1	
69-0004	09030001		WHITE IRON		3429	E	E	FS	17.1	
69-0011	04010202		PEQUAYWAN		533	E	E	FS	44.0	
69-0016	04010202		SAND		32	E	E	FS	24.0	
69-0023	04010202		INDIAN		57	E	E	FS	30.0	
69-0027	04010202		STONE		186	E	E	FS	50.0	
69-0028	04010202		LITTLE STONE		181	E	E	FS	28.0	
69-0044	04010201	033	LONG		433	E	E		-	
69-0058	09030001	006	PERCH		91	E	E	FS	12.0	
69-0069	09030001	024	SHAGAWA		2370	M	E	FS	23.0	M
69-0080	09030001		NELS		143	E	E	ST	4.0	
69-0082	09030001		GRASSY		213	E	E	ST	6.0	
69-0086	09030001		LITTLE SLETTEN		14	E	E	ST	9.0	
69-0111	04010202		SMITH		220	E	E	FS	53.0	
69-0112	04010202	011	BEAR		61	E	E	FS	30.0	
69-0116	09030001		MITCHELL		241	E	E	FS	18.0	
69-0119	09030001		FIRST		17	E	E	FS	10.0	
69-0132	04010202		BARRS		117	E	E	FS	30.0	
69-0143	04010202		WOLF		467	E	E	FS	20.0	
69-0190	09030001		BIG		1740	E	E	ST	7.5	
69-0230	04010202		SCHULTZ		202	E	E	FS	74.0	
69-0232	04010202		HORSESHOE		90	E	E	FS	22.0	
69-0234	04010202		MIRROR		21	E	E	FS	68.0	
69-0235	04010202		SUNSHINE		78	E	E	FS	25.0	

ECOREGION = NORTHERN LAKES AND FORESTS — FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
69-0237	04010202		CAMERON	70	E	E	FS	64.0	
69-0277	09030002		CLEAR	119	E	E	FS	14.0	
69-0339	09030001		RAMSHEAD	480	E	E	FS	17.0	
69-0376	04010201	034	WHITEWATER	1210	E	E		-	M
69-0378	09030002	011	VERMILION	40557	M	E	FS	53.5	M
69-0394	04010202	007	FLOWAGE	110	E	E	FS	73.0	
69-0399	04010202	007	DEEPWATER	20	E	E	FS	10.0	
69-0412	04010201		COMSTOCK	458	E	E	FS	54.0	
69-0456	09030001		JEANETTE	293	M	E	ST	9.0	
69-0461	09030001		SHELL	484	E	E	ST	9.0	
69-0489	04010202		CARIBOU	569	M	E	FS	45.0	
69-0491	04010202	004	FISH	3071	M	E		-	
69-0496	04010201	035	EMBARRASS	650	M	E	FS	62.0	M
69-0532	04010201	022	PIONEER	56	E	E	FS	28.0	
69-0542	04010201		WILSON	52	E	E	FS	14.0	
69-0544	04010201		DINHAM	210	E	E	FS	40.0	
69-0545	04010201		CAMERON	162	E	E	FS	28.0	
69-0546	04010201		SCHUBERT	218	E	E	FS	10.0	
69-0562	04010201		COE	51	M	E	ST	2.6	
69-0615	09030002		ECHO	1054	E	E	FS	14.0	
69-0642	04010201		ELLIOT	398	E	E	FS	94.0	
69-0644	04010201		FIG	92	E	E	FS	10.0	
69-0764	09030002		SUNSET	309	E	E	ST	8.0	
69-0920	09030005		STUART	35	E	E	FS	12.0	
69-0924	07010103		ELK	14	E	E	FS	44.0	
69-0933	09030005	012	SIDE	372	E	E		-	
80-0004	07010106	038	LOVEJOY	57	E	E	FS	130.0	

ECOREGION = NORTHERN LAKES AND FORESTS PARTIALLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
01-0019	04010201		WOLF	168	E	E	FS	18.0	
01-0033	07010103		MINNEWAWA	2513	M	E		-	
01-0072	07010103		ROCK	317	E	E	FS	48.0	
01-0123-01	07010104		ELM ISLAND (MAIN BA	-	E	E	FS	84.0	
04-0069	09020302	030	BLACKDUCK	2742	M	E	FS	130.0	M
09-0007	04010301		SPRING	41	E	E	FS	76.5	
09-0010	04010301		HAY	215	E	E	FS	10.0	
09-0018	04010301		HIZER	33	M	E		-	
11-0101	07010105		GEORGE	601	M	E	FS	37.8	
18-0049	07010207		WILSON	63	E	E	FS	10.0	
18-0127	07010104		COLE	114	E	E	FS	26.0	
18-0186	07010105		PERRY	144	E	E	FS	26.0	
18-0191	07010105		BASS	71	E	E	FS	12.0	
31-0258	07010103		KING	296	E	E	FS	96.0	
31-0329	09030006		LITTLE HORSESHOE	11	M	E		-	
31-0341	07010103	032	LITTLE SPLITHAND	223	M	E	FS	96.0	
31-0353	07010103	033	SPLITHAND	1420	M	E	FS	92.0	
31-0403	07010101		BOSLEY	31	E	E	FS	10.0	
31-0813	09030006	016	BOWSTRING	9220	E	E	FS	110.0	
31-0857-01	07010101	013	CUT FOOT SIOUX (MAI	-	E	E	FS	140.0	
31-0921	07010101	017	DIXON	680	E	E	FS	100.0	
33-0002	07030003		BEAUTY	64	E	E	ST	6.0	
58-0009	07030001		STEVENS	15	M	E		-	
58-0018	07030001		LENA	44	M	E		-	
58-0025	07030001		DOLLAR	20	E	E	ST	4.0	
58-0038	04010301	016	NET	136	M	E		-	
58-0040	07030001	046	CLAYTON	17	M	E		-	
58-0059	07030003		STEVENS	53	M	E		-	
58-0100	07030003	005	UNNAMED	19	M	E		-	
58-0104	07030003		CLEAR	25	E	E	ST	4.0	
58-0129	07030003		LITTLE PINE	75	M	E		-	
58-0131	07030003		FISH	82	M	E		-	
69-0065	09030001	025	MINISTER	50	E	E	FS	10.0	
69-0120	09030001	025	EVERETT	109	E	E	FS	10.0	
69-0139	04010202		SANTA CLAUS	8	E	E	FS	10.0	
69-0199	09030001		ED SHAVE	97	E	E	FS	12.0	
69-0217	09030002		WEST ROBINSON	135	E	E	FS	30.0	
69-0231	04010202	007	JACOBS	88	E	E	FS	38.0	
69-0249	04010201		COLBY	539	E	E	FS	27.8	
69-0457	09030002		NIGH	38	E	E	FS	10.0	
69-0490	04010201	012	PIKE	508	E	E	FS	62.0	
69-0538	04010201		BERG	128	E	E	FS	28.0	
69-0588	09030002		PAULINE	62	E	E	FS	12.0	
69-0598	09030002		ASTRID	109	E	E	FS	10.0	
69-0848	07010103	010	PRAIRIE	853	E	E		-	
69-0921	07010103	029	WAYMIER	36	E	E	FS	12.0	

ECOREGION = NORTHERN LAKES AND FORESTS — NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
01-0158	07010207		GREGG	31	E	H	ST	8.0	
03-0273	09020103	014	PERCH 8 MI E OF D	40	M	H	FS	110.0	
09-0067	07010103	009	TAMARACK	228	M	H		-	
18-0203	07010105	004	EMILY	675	M	H		-	
31-0198	07010103		LITTLE COWHORN	166	E	H	FS	110.0	
31-0896	09030006	014	ROUND	2964	E	H	FS	120.0	
36-0018	09020302		BARTLETT	292	E	H	FS	114.0	M
49-0005	07010201	010	PEAVEY	123	E	H	FS	24.0	
58-0029	07030001	040	GRACES	54	M	H		-	
58-0032	04010301		HEADQUARTERS	14	M	H		-	
58-0102	07030003		FOX	104	M	H		-	
69-0590	09030002		MAUDE	88	E	H	FS	12.0	
69-0717	04010201		ELBOW	165	M	H	FS	110.8	M
69-0725	04010201	037	MASHKENODE	101	E	H	FS	93.2	M
69-0775	04010201		MC QUADE	164	E	H	FS	64.4	M

ECOREGION = RED RIVER VALLEY — FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
60-0305	09020301		MAPLE	1445	E	E		-	

ECOREGION = RED RIVER VALLEY — NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
78-0025	09020101	010	TRAVERSE	11528	E	H		-	

ECOREGION = WESTERN CORN BELT PLAINS — FULLY SUPPORTING SWIMMABLE USE, BUT THREATENED

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
07-0053	07020011		DUCK	288	E	E	FS	170.0	
07-0060	07020011		EAGLE	914	E	E	FS	180.0	
65-0006	07010205		ALLIE	510	M	E		–	
74-0023	07040002	024	BEAVER	90	M	E	FS	132.5	
81-0003	07020011		ST OLAF	102	M	E	FS	123.3	

ECOREGION = WESTERN CORN BELT PLAINS — PARTIALLY SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
07-0101	07020007	026	LILY	142	E	E	FS	266.7	M
32-0018	07020010	013	FISH 3 MI SE OF W	287	M	E	FS	151.8	
43-0034	07010205		SILVER	500	E	E		–	M
46-0109	07020009	011	FOX	1041	M	E		–	
81-0014	07040002		CLEAR	652	E	E	FS	173.3	

ECOREGION = WESTERN CORN BELT PLAINS NOT SUPPORTING SWIMMABLE USE

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
07-0044	07020011		MADISON	1171	M	H	FS	148.9	
07-0047	07020007		GEORGE	141	M	H	FS	102.5	
07-0054	07020011		BALLANTYNE	353	M	H	FS	158.6	
07-0079	07020011		LURA	1224	E	H	FS	180.0	
08-0011	07020008		CLEAR	335	E	H	FS	130.0	
08-0026	07020010		HANSKA	1844	E	H	FS	135.9	
08-0045	07020008		SLEEPY EYE (WHOLE L	251	E	H	FS	220.0	
17-0003	07020010		MOUNTAIN	229	E	H	FS	140.0	
17-0007	07020010		BINGHAM	259	M	H	FS	145.0	
17-0022	07100001		COTTONWOOD	152	E	H	FS	140.0	
22-0074	07020011		BASS	201	M	H	FS	153.3	
24-0014	07080202	011	ALBERT LEA	2453	E	H	FS	223.3	M
24-0018-01	07080202	013	FOUNTAIN (EAST BAY)	-	M	H	FS	203.3	M
24-0030	07080203		STATE LINE	446	E	H		-	
24-0044	07020011		FREEBORN	2222	E	H	FS	140.0	
32-0020	10230003	053	LOON 8 MI SW OF J	725	M	H	FS	135.0	
32-0022	10230003	055	CLEAR 3 MI W OF J	415	M	H	FS	201.4	
32-0024	10230003		LITTLE SPIRIT	572	E	H	FS	200.0	
32-0069	10230003	067	ROUND	1024	E	H	FS	160.0	
34-0086	07010205		BIG KANDIYOHI	4294	M	H	FS	181.3	
34-0096	07010205		LITTLE KANDIYOHI	932	E	H	FS	207.5	
34-0105	07010205		KASOTA	469	E	H	FS	230.0	
34-0169-03	07010205		WAGONGA(MAIN BASIN)	1776	M	H	FS	232.5	M
43-0084	07010205		MARION	586	E	H	FS	140.0	
43-0085-01	07010205	006	OTTER (MAIN BASIN)	-	E	H	FS	240.0	
46-0020	07020009		SOUTH SILVER	245	E	H	FS	140.0	
46-0046	07020010		PERCH	175	E	H	FS	160.0	
46-0052	07100003	019	BRIGHT	648	E	H	FS	140.0	
46-0096	07100003		CLEAR	273	E	H	FS	170.0	
46-0133	07020009		BIG TWIN	457	M	H	FS	231.3	
51-0040	07100001	005	BLOODY 4 MI N OF	267	M	H	FS	172.5	
51-0043	07020008		FOX	174	E	H	FS	270.0	
51-0046	07100001	005	SHETEK 3 MI E OF	3351	M	H	FS	155.0	
52-0034	07020007		SWAN	6500	E	H	FS	165.0	
53-0007	10230003	068	INDIAN	204	E	H	FS	150.0	
53-0020	07100001		EAST GRAHAM	523	E	H	FS	155.0	
53-0021	07100001		WEST GRAHAM	526	M	H	FS	126.7	
53-0028	10230003	084	OKABENA AT WORTHI	974	E	H	FS	150.0	
55-0004	07040004	008	ZUMBRO	991	M	H	FS	214.7	M
72-0013	07020012		SILVER	694	E	H	FS	130.0	
72-0017	07020012	006	WASHINGTON	630	E	H	FS	210.0	M
72-0049	07010205		SCHILLING	779	E	H	FS	200.0	
72-0050-01	07020012		HIGH ISLAND (MAIN B	-	E	H	FS	135.0	
83-0036	07020010		KANSAS	388	M	H	FS	190.0	
83-0040	07020010		LONG 5 MI SO OF S	264	M	H	FS	136.7	
87-0016	07020004		CURTIS	440	M	H	FS	171.7	
87-0030	07020004	029	WOOD	484	M	H	FS	165.0	

LAKES THAT WERE NOT ASSESSED FOR SWIMMABLE USE SUPPORT, BUT WERE ASSESSED FOR ACID SENSITIVITY

LAKEID	HUC	SEG	NAME	ACRES	ME	TROPHIC	SA	ALK	SOURCES
11-0117	07010102		LAKE TWENTYSIX	102			FS	10.0	
18-0293	07010105		KEGO	272			FS	120.0	
21-0242	07020005		AARON	545			FS	200.0	
33-0005	07030003		THIRTEEN	51			ST	6.0	
38-0686	09030001	011	NORTH MCDOUGAL	240			FS	15.5	
40-0061	07040002		TUSTIN	153			FS	120.0	
62-0034	07010206		GOOSE	152			FS	57.0	
62-0058	07010206		LITTLE JOHANNA	18			FS	100.0	
69-0375	04010201	026	WHITEFACE RESVR.	5600			FS	25.0	
69-0841	09030002	008	PELICAN	10945			FS	38.0	

is control of nonpoint sources of pollution to protect and improve surface and ground water quality in Minnesota. The CWP program accomplishes this through state financial and technical assistance to local units of government for water quality projects on a hydrologic basis. Lake projects are an important part of the surface water projects.

A Citizens' Guide to Lake Protection

This booklet was published in 1985 by the Freshwater Foundation in cooperation with the MPCA. The booklet provides basic information dealing with how lakes work, how problems within the lake environment can occur, and what the concerned citizen can do to improve lake water quality. A Citizen's Guide to Lake Protection also provides alternative informational sources that are available to give advice and assistance regarding lake management. A slide show is available to be used in conjunction with the booklet.

Citizen Lake-Monitoring Program (CLMP)

The CLMP was initiated in 1973 by the University of Minnesota Limnological Research Center and included 74 lakes. In 1979, administration of the program was transferred to the MPCA. In 1986, 252 lakes were monitored through this program.

This program involves voluntary assistance from citizens who display an interest in a particular lake. Participants take weekly transparency measurements of their lake during the summer months. This program is a very basic means for obtaining data, while also being an excellent educational tool for helping persons understand water quality interactions in lakes. This program will be a requirement in the future for participation in MPCA cooperative lake studies and assessments.

Lake Assessment Program (LAP)

This program takes the CLMP ideas one step farther. LAP is a cooperative study of a lake involving MPCA staff and local citizens: e.g., lake associations and municipalities. LAP studies serve to characterize a lake's condition and provide some basic information regarding the interaction of the lake and its watershed. In addition, LAP studies can provide information to assist in selecting projects and communicating ideas regarding lake protection and restoration. As a result of providing this information, LAP studies can provide information to assist in selection of projects for the Clean Water Partnership Program and Clean Lakes Program. Presently, there is a waiting list of about 30 lakes for this program.

Lake Association Assistance

CLMP and LAP are important tools in this effort. The goal of this effort is to increase awareness and understanding of lakes and their watersheds. Lake associations may play a significant role in Clean Water Partnership projects that focus on lakes. MPCA assistance ranges from presentations to cooperative studies to helping establish coalitions of lake associations.

It is important to note that the Minnesota Department of Natural Resources (DNR) also plays an intrinsic role in lake management and assistance. The DNR has implemented numerous programs that are designed to protect, manage and conserve lake-associated natural resources. These include: shoreland management, lake level management, aquatic nuisance control, water surface use zoning, fish and wildlife management, lake aeration and public water access, as well as many others.

Regional Lake Sampling

Typically, the MPCA samples from 50 to 150 lakes per year throughout the state. This sampling is conducted to improve our understanding of the range of conditions of Minnesota's lakes, determine patterns in lake water quality, and respond to complaints or inquiries.

Permit/Enforcement Issues

MPCA commonly deals with mine closures, watershed development issues, feedlot related issues and lake-level projects. This usually involves about 20-30 projects per year.

Lake Water Quality Criteria Development

Nutrient criteria are currently being developed for Minnesota's lakes. These criteria can serve as goals for Clean Lakes or Clean Water Partnership projects. Criteria may also serve as guidelines in enforcement issues or environmental assessments.

Citizen Lake Complaints and Technical Assistance Calls

In 1987, 790 technical assistance calls, complaints, and inquiries were taken by MPCA. In response to this large number of citizen contacts, MPCA staff have been tabulating and analyzing the complaints in an attempt to prioritize efforts and more effectively respond to citizen requests. In order to accomplish this, a computerized complaint system was initiated. For the 100 citizen complaints entered into the computerized tracking system, the most prevalent problems cited by citizens were: (1) excessive algae and plant growth (42 percent); (2) water quality problems deterimental to public health (22 percent); and (3) general lake water quality degradation (20 percent). The agency's role has been to see that the complainant is put in contact with the person(s) who deal with the issue they are interested in resolving or to explain potential causes of the problems they are encountering and possible solutions.

Toxics

The MPCA has routinely been called upon to assist in the development of sampling programs for lakes impacted by sanitary landfills, hazardous waste sites and related issues.

IV. RIVERS AND STREAMS

A. Background

The establishment of the Clean Water Act in 1972 set a nationwide precedent to restore and maintain the chemical, physical and biological integrity of the nations' waters. This is a goal the State of Minnesota is committed to achieving and maintaining.

Since passage of this legislation, various environmental agencies have concentrated their efforts on point sources of pollution. These point sources include municipal wastewater dischargers, as well as industrial dischargers. Through an effort to improve wastewater treatment, the impact of point source pollution is decreasing. But while point source impact is decreasing, nonpoint source pollution continues to degrade the quality of Minnesota's waters.

Nonpoint sources of water pollution are the primary cause for nonsupport of designated uses of a number of Minnesota's rivers and streams. Nonpoint sources of pollution are land use activities which contribute to pollution as a result of runoff, seepage or percolation. In Minnesota, agricultural and urban activities are the primary causes of nonpoint pollution; but septic system leachate, runoff from forestry and mining operations, and highway deicing chemicals all contribute to our nonpoint source problem.

The degradation of water quality due to point and nonpoint source pollution results in a wide variety of water use impairments. This portion of the report will focus on the effects of pollution on fishable and swimmable uses of Minnesota's rivers and streams.

B. Use Attainment

The designated uses of a waterbody are determined by its water quality. There are seven classes of water defined for our state. These classes basically represent the possible uses for the waterbody. Table 8 provides a breakdown of river miles and lake acres by classified uses. According to the table, all lakes in Minnesota are designated for fishable and swimmable use. All rivers are classified for agricultural, navigational and industrial use, while 99 percent of Minnesota river miles are classified for fishable and swimmable use.

Table 8. Use Classifications of State Waters.

Classified Use	Total Size Classified for Use		
	Rivers (miles)	Lakes (acres)	Other-Lake Superior Shoreline (miles)
Aquatic Fish and Wildlife	91,144	3,411,200	272
Domestic Water Supply	3,990*	636,600*	272
Recreation	91,144	3,411,200	272
Agriculture	91,944	3,411,200	272
Industrial	91,944	3,411,200	272
Navigation	91,944	3,411,200	272
Nondegradation**	All	All	All
Other-Limited Resource Value Waters	800		
Total	91,944	3,411,200	272

* Figures for total acres of water in the Boundary Waters Canoe Area Wilderness are included in the lake acreage figure and not in the river mileage.

** The level of protection provided by the nondegradation provision depends on the nature of the discharge and the characteristics of the receiving water.

Each use has a specific set of water quality standards that must be maintained in order for the waterbody to support that particular use. If these standards are not met, the waterbody is said to be not supporting or partially supporting the use, depending on how often the standards associated with the use are violated.

Monitoring of the various rivers and streams in Minnesota is carried out by the Program Development Section of the MPCA. Samples are collected and subsequently analyzed to determine whether a violation of the water quality standards for that class of water has occurred. The data is stored in the EPA national database, STORET. This information can then be retrieved to find how often standards are violated at a specific site.

A stream is assessed as not supporting a given use if any standard associated with that use is violated more than 25 percent of the time. A stream is considered partially supporting if the standard is violated between 10 and 25 percent of the time. A fully supporting stream would have violations of standards less than 10 percent of the time.

Table 9 provides a summary of designated use support of all rivers and streams which have been assessed.

Table 9. Designated Use Support
Rivers and Streams

Total Miles 91,9444

	Miles Assessed	Miles Monitored
Support of Designated Uses	4,443	4,443
Fully Supporting	1,553	
Partially Supporting	564	
Not Supporting	2,326	

Miles designated for less than fishable uses--800*
Miles designated for less than swimmable uses--800*

* These are the segments listed as limited resource value waters in Table 8.

To determine the level of support of all designated uses, water quality parameters were chosen that indicate whether the waterbody was meeting its specific uses. They were: fecal coliform, dissolved oxygen, unionized ammonia, pH, nutrients (nitrate-nitrite, total phosphorus), 5-day BOD, total suspended solids, and turbidity. Within this group, total suspended solids and turbidity were the parameters that were specifically used to determine the level of support of fishable uses. Violations of water quality standards for these parameters indicated the waterbody was not supporting fishable use to some degree.

Swimmable use support was determined by the level of fecal coliform bacteria and nutrients in the water. Standards violations for these parameters of over 25 percent indicated swimming was a hazardous activity; therefore, the waterbody was not meeting its swimmable use.

Dissolved oxygen, unionized ammonia, pH, and 5-day BOD were used to determine the level of support for fishable use.

In addition to standards violations, information from two other sources was used to indicate statewide pollution impacts. They are: (1) a survey distributed to county zoning administrators, watershed districts, soil and water conservation districts, the MDNR fishery and wildlife managers, foresters, and hydrologists, and (2) the MPCA records of citizen complaints. Using these two sources, the MPCA determined the level of impairment for many lakes and rivers in Minnesota. Figure 9 shows the level of response to the nonpoint source survey by county.

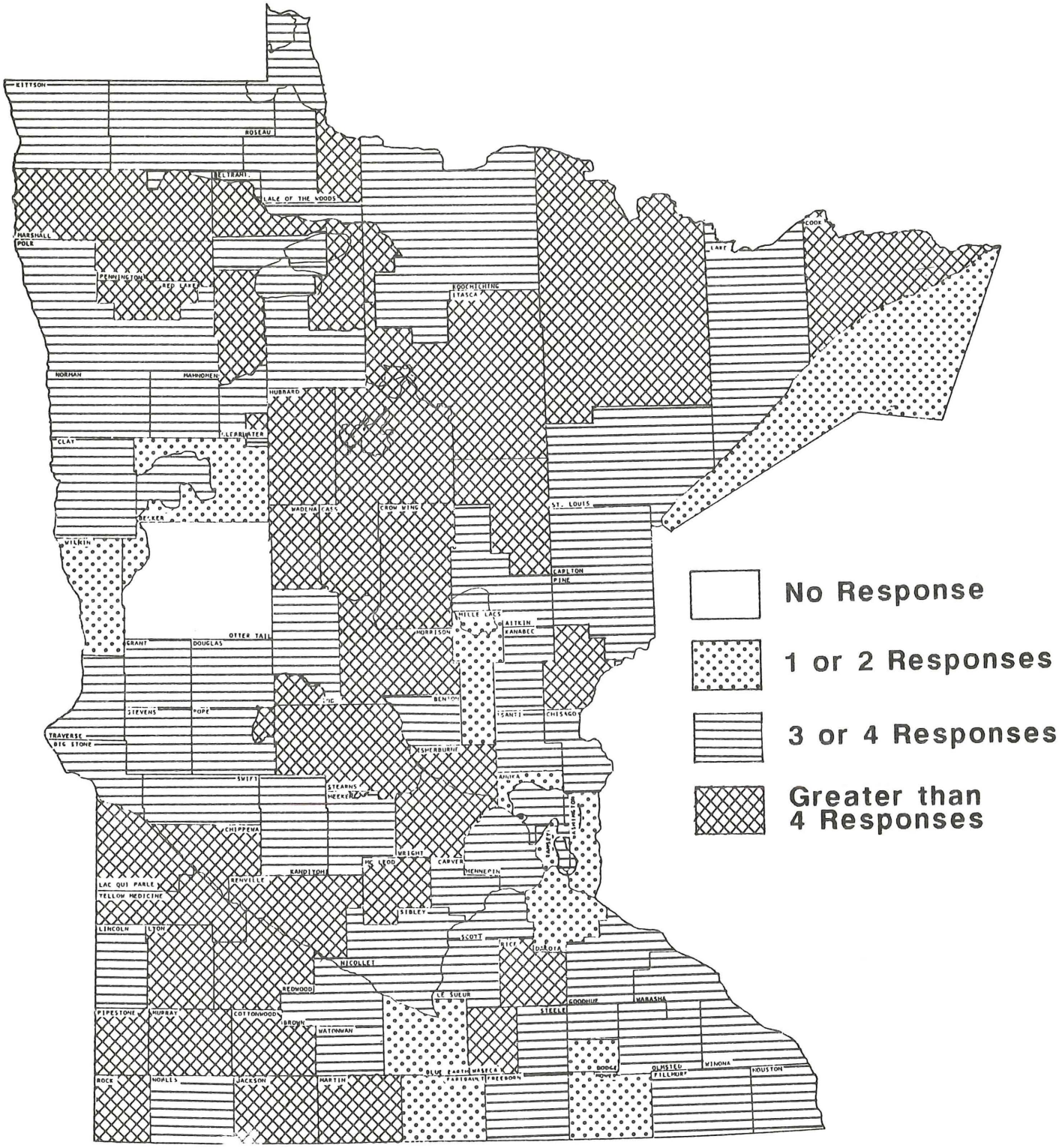


Figure 16. Response to Nonpoint Source Survey by County. Ottertail County will Respond after Completion of Local Water Plan.

C. Causes of Nonsupport of Designated Uses

1. Relative Assessment of Major Pollutant Causing Nonsupport

Table 10 summarizes the assessment of major pollutants causing nonsupport of the uses of a waterbody. The pollution indicators listed are water quality parameters that determine the level of support for a specific use. Listed with the indicators are the river miles assessed as not supporting the use associated with the water quality parameter.

Table 10. Pollutants Causing Nonsupport of Designated Uses

Pollution Indicators	River Miles
Fecal Coliforms	2,196
Dissolved Oxygen	1,032
Unionized Ammonia	287
pH	354
Nutrients	1,567
BOD	967
Physical Parameters (TSS/Turbidity)	1,870

2. Assessment of the Sources of Pollutants Causing Nonsupport

The origins of most of these pollutants can be traced to nonpoint sources. Fecal coliform bacteria in our surface waters is due mainly to agricultural runoff, animal feedlots, and on-site sewage systems. Some of the problems associated with high levels of bacteria include: introduction of disease-bearing organisms to surface waters, reduction of recreational uses, and creation of a human health hazard.

Increased levels of nutrients can also be attributed to nonpoint sources of pollution. Agriculture, animal feedlots, urban runoff, construction, forestry, and on-site sewage systems all contribute to raising nutrient concentrations in surface waters. Nutrients decrease the dissolved oxygen levels within the waterbody; as a result, rough fish are favored, and boating and fishing enjoyment are diminished. Even more importantly, nutrients degrade the quality of drinking water and can pose a health threat to humans.

Increases in total suspended solids and turbidity in our surface waters is also primarily due to nonpoint source pollution. Activities such as agriculture, construction, mining, forestry, and urban projects increase the amount of sediment that can be

deposited in our waters. The impact of a greater sediment load is significant; it directly affects respiration and digestion of aquatic species; it decreases viability of aquatic life; it increases the temperature of the surface layer of water, which lowers the dissolved oxygen levels; and it decreases the recreational and commercial value of the waterbody.

It is clear that nonpoint source pollution has a large impact on Minnesota's water quality. Earlier in this discussion, it was stated that nonpoint source pollution accounts for the majority of state water quality problems today. Table 11 shows the river miles assessed to be nonsupporting due to point source and nonpoint source pollution. This comparison clearly illustrates the greater nonpoint source impact on use support, relative to point source.

Table 11. Sources of Nonsupport of Designated Uses

	River Miles
Point Sources	
Municipal	755
CSOs	28
Nonpoint Sources or Unknown	2,107

The link between nonpoint source pollution and use support has been established. However, to get a better idea of the level of nonpoint source pollution statewide, it is advantageous to look at each region specifically. The following is a discussion dealing with trends in nonpoint source pollution by ecoregion.

The Northern Lakes and Forests ecoregion, located in northeastern Minnesota, encompasses approximately one-third of the state. This area contains a large proportion of the state's high quality lakes, is heavily forested and represents a prime recreational resource. Streams and wetlands are also very high quality and offer good recreational opportunities. Most inhabitants of this lightly populated area reside in Duluth and the Iron Range communities, where mining has been an important activity.

Agricultural activity, as suggested by the low percentage of cultivated and pastured land uses, is not extensive in this ecoregion. NPS pollution in the Northern Lakes and Forests area is of relatively minor concern because of these land-use factors; however, there are other factors, such as slope and lake nutrient levels, that suggest sensitivity to NPS pollution. Pollution problems that do occur are expected to be localized in areas where lakeshore development, urban areas, mining or intensive forestry practices occur.

The Northern Minnesota Wetlands ecoregion, which represents approximately 10 percent of the state, is dominated by extensive forests and covered by large areas of water and wetlands. The few lakes and streams that occur here represent high quality water bodies.

The population density is very low and the activities of many of the inhabitants are oriented towards forestry and the wood products industry. Agricultural activity is limited to small areas with well drained soils.

NPS pollution of the Northern Minnesota Wetlands ecoregion is not extensive. Pollution problems that do exist are localized in pockets where small community development, extensive forestry practices, and limited agricultural activities occur.

The Red River Valley ecoregion, in the northwestern corner of the state is well known for its agricultural productivity. Over 80 percent of this region is cultivated, predominately with small grains. The land is very flat, the average slope of only a few 40-acre parcels exceeds two percent. Individual farms tend to be large and cultivated areas extensive. Soils are generally thick and dominated by a clay texture.

Few water bodies exist in the Red River Valley area, and streams represent an important natural resource. Many of the streams in the Red River Valley have been increasing in nitrate and total suspended solids concentrations. Average nitrate concentrations, although they have been increasing, represent relatively low levels. In contrast, suspended solids concentrations are quite high, and levels have increased dramatically over the past 12 years. This assessment and the intensive land use suggest NPS pollution problems with respect to suspended solids and possibly nitrates are occurring and may be considered important water quality concerns for the Red River Valley ecoregion.

The North Central Hardwood Forests ecoregion runs diagonally across the state and represents a transition between the northern forests and the southern agricultural areas. About 50 percent of the ecoregion is cultivated; in addition, there are a variety of other land uses. No one type of land use dominates.

Along with the variety of land uses is a high population density. Many of the North Central Hardwood Forests ecoregion inhabitants reside in the southeastern part of the ecoregion. There are several moderately sized communities, along with the Twin Cities, located in this area.

Stream water quality of the North Central Hardwood Forests area can be considered moderate, but may be deteriorating as suggested by a slight increase in suspended solids concentrations over the past 12 years.

This suggests that the North Central Hardwood Forests ecoregion is sensitive to and being impacted by NPS pollution, particularly from sediments and nutrients. The NPS pollution problems do not appear widespread throughout the entire area, but are limited to areas with intensive land use such as urban development or agricultural activities. In addition, there is an abundant surficial drift ground water resource that is subject to NPS pollution by nutrients and pesticides.

The North Central Hardwood Forests ecoregion could benefit from both NPS pollution control and protection activities. There are waterbodies in this ecoregion that have been impacted by NPS pollution where control activities could be beneficial. There is also an abundance of nonimpacted waterbodies that should be protected from future degradation by land-use activities.

The Northern Glaciated Plains ecoregion is located in southwestern Minnesota. This is an intensely cultivated area with a low population density and many factors that suggest NPS pollution is a concern.

Over 80 percent of the ecoregion is cultivated, primarily with row crops of corn and soybeans. There is very little forested area. Soil texture is predominately silt, an easily eroded type of soil, and slopes are slight to moderate.

Streams of the Northern Glaciated Plains have been showing increasing concentrations of nitrates and suspended solids. This resource is also sensitive to pesticide and nutrient pollution.

This suggests NPS pollution is a concern in the Northern Glaciated Plains ecoregion. The water resources of the area are impacted by nutrients and sediments. The water resource, important for recreation and agricultural production, should be protected from the deteriorating effects of NPS pollution.

The Western Corn Belt Plains, which occupies about 20 percent of the southern portion of the state, is similar to the Northern Glaciated Plains in many ways. This region of slight to moderate slopes is prime agricultural land used primarily for the production of corn and soybeans. The thick silty soils are naturally productive, but often enriched with fertilizers and treated with pesticides to increase crop yields.

The population density of the Western Corn Belt Plains, however, is greater than the population density of the Northern Glaciated Plains. Farms tend to be slightly smaller, and there are numerous small to moderately sized communities scattered throughout the region.

Both streams and lakes in the region are nutrient rich reflecting the naturally productive soils as well as the fertilizers used to increase crop production. Concentrations of nitrates and suspended solids have been increasing in area streams suggesting NPS pollution is affecting many waterbodies in this ecoregion.

The natural features of the Western Corn Belt Plains and the intensive agricultural management practices promote expected high NPS loadings to area streams. Nutrients and sediments are a concern.

The Driftless Area, although the smallest of Minnesota's ecoregions, is interesting. This ecoregion represents only two percent of the state and is located in an area of southeastern Minnesota not subjected to recent glacial activity. Soils of the Driftless Area are thin, and streams in the well developed drainage system have cut deep valleys resulting in numerous steep slopes. Open, pasture or forested areas occur on the steep slopes. Much of the flatter land in the region is used for agricultural production of corn and other row crops.

Streams, in general, have high suspended solids levels and moderate, but increasing, nitrate levels. Although the Driftless Area is small, the stream resource is important because many streams are ground water fed and can support cold water fisheries.

D. Nonpoint Source Ground Water Problem Assessment Activities

1. Statewide Assessment

The impacts of pollution on surface and ground water can be interrelated. The pollutants that cause ground water contamination usually are first associated with surface water contamination. This relationship can be seen best in the karst areas of Minnesota. In southeastern Minnesota, sinkholes are common; they act as direct conduits of potentially contaminated surface water into ground water aquifers.

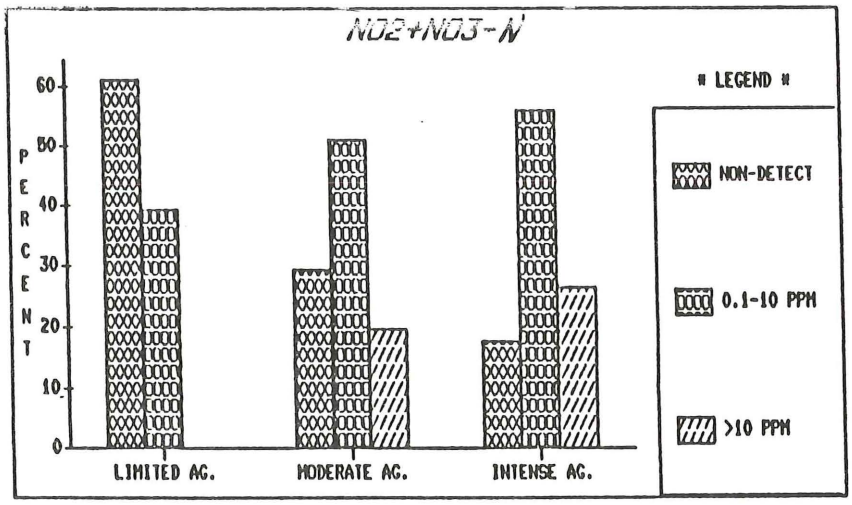
Water quality data collected by the MPCA and USGS between 1978 and 1986 were analyzed to observe ground water quality trends in Minnesota. The analysis focused on three parameters: nitrite-nitrate as nitrogen, chloride, and total phosphorus concentrations. These parameters were chosen because they reflect the presence of NPS pollution in ground water.

High nitrate levels in drinking water can cause serious health problems, especially in infants and small children, by impairing the oxygen-carrying capability of the blood. Since nitrite concentrations in ground water are usually negligible compared with nitrate, the drinking water standard for nitrate nitrogen of 10 mg/l can be applied to the measured concentration of nitrite plus nitrate as nitrogen. In the data assessed, the nitrate as nitrogen standard was violated by 25 percent and 18 percent in wells sampled in intense and moderate agricultural regions, respectively.

Table 12. Mean, median and maximum nitrite plus nitrate as nitrogen concentrations from the three agricultural regions.

	Nitrite + Nitrate - N (mg/l)		
Ag. Region	Mean	Median	Maximum
intensive	6.2	2.2	40.0
moderate	5.6	2.9	28.0
limited	0.7	0.05	7.8

Figure 10. Percent of wells in each agricultural region that had NO_2 plus NO_3 as N levels that were nondetectable, 0.1 to 10 ppm, and greater than 10 ppm.



In contrast, it was found that the chloride concentration in all of the monitored wells was far below the standard of 250 mg/l for each agricultural region.

Table 13. Mean, median and maximum chloride concentrations from the three agricultural regions.

Ag. Region	Chloride (mg/l) Mean	Median	Maximum
intensive	18.5	11.0	68
moderate	14.2	8.0	96
limited	7.4	3.9	35

Total phosphorus was found to be high enough in all regions to contribute to lake eutrophication upon discharge.

Table 14. Mean, median and maximum phosphorus concentrations from the three agricultural regions.

Ag. Region	# Samples	Mean	Median	Maximum
intensive	11	0.050	0.038	0.147
moderate	36	0.064	0.046	0.40
limited	15	0.990	0.061	6.22

2. Regional Assessment

MPCA Demonstration Diagnostic Studies

In the spring of 1987, the MPCA began three nonpoint source ground monitoring demonstration projects. The projects are located near Kimball (Stearns County), Rice (Benton County), and Beardsley (Big Stone County). Objectives for the projects include (1) working with local organizations to assess ground water quality, (2) studying water and land use influences on ground water, (3) evaluating best management practices, and (4) studying the relationship between surface and ground water quality. To date, three rounds of samples have been collected from monitoring, domestic, farm, and irrigation wells and springs. Sampling is continuing at all three sites.

E. Nonpoint Source Control Programs

The MPCA has been actively leading and coordinating many NPS program development and implementation activities over the last year.

These activities have included:

1. The Clean Water Partnership Program. Recognizing the seriousness of nonpoint source pollution and the need to establish a program for its control, the Minnesota Legislature enacted the Clean Water Partnership Program. The program focus is control of nonpoint sources of pollution to protect and improve surface and ground water in Minnesota.

   The Clean Water Partnership Program objectives are:

   a. To identify water quality problems and their causes;

   b. To focus technical and financial resources to critical areas;

   c. To provide technical and financial resources to local units of government for implementation of water quality protection and improvement; and

   d. To coordinate interaction of the nonpoint source program with other elements of the state water quality program and other existing resource management programs.

2. The MPCA has developed other programs and informational resources which include a variety of materials pertaining to lake and watershed management. These are available to the citizens of Minnesota through the Public Information Office of the MPCA.

V. WETLANDS

A. Background

Although Minnesota has approximately 6 million acres of wetlands, no rules have been promulgated yet to provide comprehensive wetland protection. Currently, only those waterbodies classified as wetlands according to the statutory definition are considered protected waters by the Minnesota Department of Natural Resources (MDNR). These wetlands are then placed on the protected water inventory and are regulated by the MDNR. If a waterbody does not fulfill the criteria for a protected water, little can be done for its protection under the state DNR program.

B. Current Status

1. Acres of marsh or wetlands drained for water years 1986-1987

There are no state or federal agencies that regulate all drainage of wetlands in the State of Minnesota, although there are numerous agencies, including the U.S. Army Corps of Engineers and the MDNR, that can exert influence on drainage decisions through their respective planning and regulatory programs. Federal and state environmental policy legislation also can be used to affect drainage-related proposals. A review of the U.S. Army Corps of Engineers permit actions indicates that the projects with the largest amount of aquatic acres lost are usually drainage projects. Rough estimates of Corps permit actions indicate 1,300 acres may have been drained in water years 1986-1987. But, many projects fall outside the Corps of Engineers' jurisdiction because of nationwide permits. Also, projects can be segmented to avoid regulation. Because of these jurisdictional gaps, there are no accurate estimates for total acreage drained in the State of Minnesota.

2. Acres of marsh or wetlands filled for water years 1986-1987

By examination of Corps permit action, regulated activities are estimated to have filled approximately 1,200 acres. This total represents the individual and general permits that must be reported and those nationwide permits that were recorded even though there are no requirements to report under the nationwide permit program. Additional fill undoubtedly has occurred. There is a potential that this fill could be significant, especially in urbanized areas, but there is no comprehensive information to evaluate these impacts.

3. Percent of marsh or wetland acreage lost in water years 1986-1987

One of the most recent estimates of the number of wetlands in the State of Minnesota was published by the Minnesota Soil and Water Conservation Board in March 1982. They estimated that there were approximately six million acres of wetland, not including lakes

and streams. From analysis of Corps permit actions, total regulated losses of approximately 2,500 acres are recorded. This would not be considered a significant percentage of marsh or wetland acreage loss in Minnesota during the 1986-87 water years. But, we have already noted that drainage is not regulated directly by state or federal programs, and that many activities fall outside agency regulatory jurisdictions. Therefore, no truly reliable estimates for total wetland loss for the most recent two years exit.

4. Percentage of marsh or wetland acreage protected under Advanced Identification of Disposal Sites (ADID).

   No Minnesota wetlands are currently protected under the ADID program; however, we have requested that the EPA initiate a program in Minnesota for the protection of outstanding resources of the state. There has been no response to this request to date.

5. Percentage of marsh or wetland acreage protected under the 401 certification process

   The exact percentage of marsh or wetland acreage protected under the 401 certification process is not clear. There have been several denials of 401 certification and several projects in which certification was withheld. Corps permits were subsequently denied or recommendations were made for mitigation, but these actions were usually based on the 404(b)(1) guidelines as much as the 401 process. The 401 process has resulted in additional protection for outstanding resources such as the calcareous fens in Minnesota.

6. Acres of wetland created through mitigation required through NEPA of the 404 process

   Approximately 1,300 acres of wetland were created or enhanced by the Corps permit process. The records do not show what the value of the enhanced or created wetland will be compared to the existing habitat. Estimates indicate that most fill projects have been enhanced, but drainage tends to result in uncompensated losses.

C. Wetlands Protection Programs

Minnesota's existing authorities to protect wetlands are primarily implemented by the MDNR. They have the authority to establish lake levels and flow easements and to require conservation restrictions and title of lands for conservation. Chapter 84 of the Minnesota Statutes regulates this authority to the MDNR, as well as allowing the designation and purchase of scientific and natural areas. Under the Natural Heritage Program, over 700 outstanding resources have been recorded, and many of these areas are wetlands.

Despite the inroads being made in wetland protection, there are still some difficulties in implementing effective protection policy. Chapter 105 of the Minnesota Statutes establishes general water policy and the MDNR's authority to issue permits affecting protected waters, including the drainage of wetlands and the purchase of wetlands for the water bank program. But all of these efforts are limited. For county drainage projects, the MDNR's authority is advisory, even in the case of protected waters. In the case of private lands to be drained for agricultural purposes, the MDNR is required to purchase or obtain easement in order to stop drainage. But if the wetland doesn't qualify as a protected water, the MDNR has no regulatory authority.

Generally, though, there are a significant number of state and federal incentive programs, such as Reinvest in Minnesota (RIM), the Conservation Reserve Program, swampbuster provisions of the Food Securities Act, and others. These are not regulatory programs, but they have the potential for effective wetland protection. However, the actual impact of these programs has yet to be determined.

There are numerous other local, state and federal programs affecting various local and state units of government. While giving the appearance of a great deal of protection, these often are merely voluntary or planning and inventory requirements with unclear or discretionary authority to protect the wetland. For example, watershed districts are a local unit of government with considerable authority to protect or to eliminate wetlands. Their role depends on the function for which the watershed was originally founded and the prevalent attitude in the community.

The current State of Minnesota water laws reflect the collective concerns of the citizens of the state in which there are a great number of wetlands, presenting both a problem and an opportunity for conflicting economic interests, the individual property owner and society as a whole.

VI. GROUND WATER

A. Background

The abundance of surface and ground water in Minnesota is an outstanding resource. Since over 75 percent of all Minnesotans rely on ground water for their drinking water supply, preservation of ground water quality is very important (see Figure 11). For this reason, Minnesota has begun to formulate a Ground Water Protection Strategy. The Strategy is slated for completion and approval by October 1988 and is built around five primary initiatives:

1. To protect ground water quality now and for the future; ensure safe drinking water supplies and effectively regulate sources of ground water pollution.

2. To ensure adequate water supplies and regulate water appropriation and use to protect highest-priority users.

3. To enhance the current body of knowledge on Minnesota's ground water resource, delineating problem areas and providing information needed to effectively manage the resource.

4. To better coordinate state ground water responsibilities and programs; and to coordinate with federal and local levels of government.

5. To provide the public with the necessary information and education for making environmentally sound decisions in areas that may impact ground water.

These initiatives serve as an organizational framework for the following discussion of ground water quality in Minnesota.

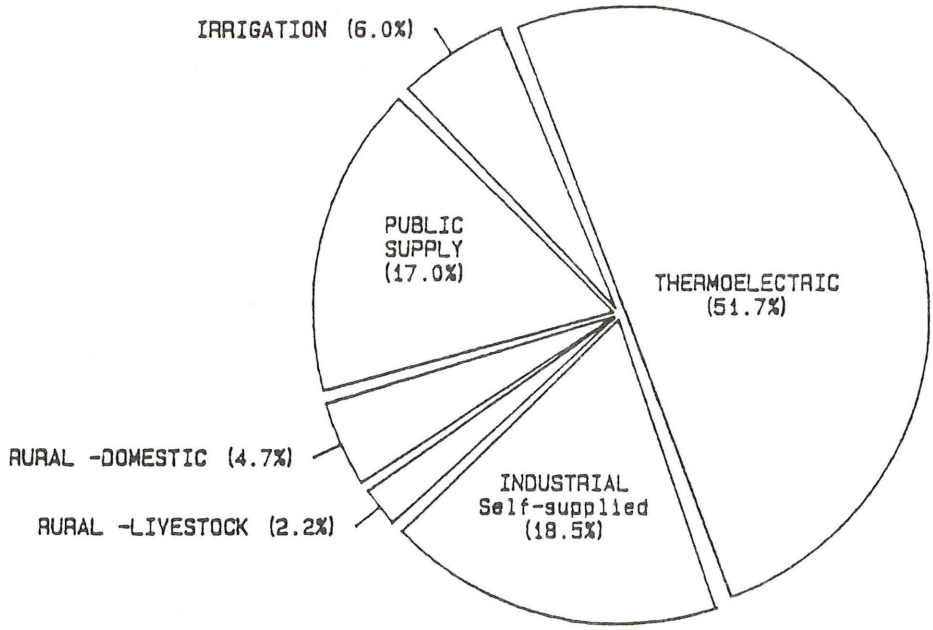
B. Ground Water Quality

1. Statewide Ground Water Monitoring Efforts and Findings:

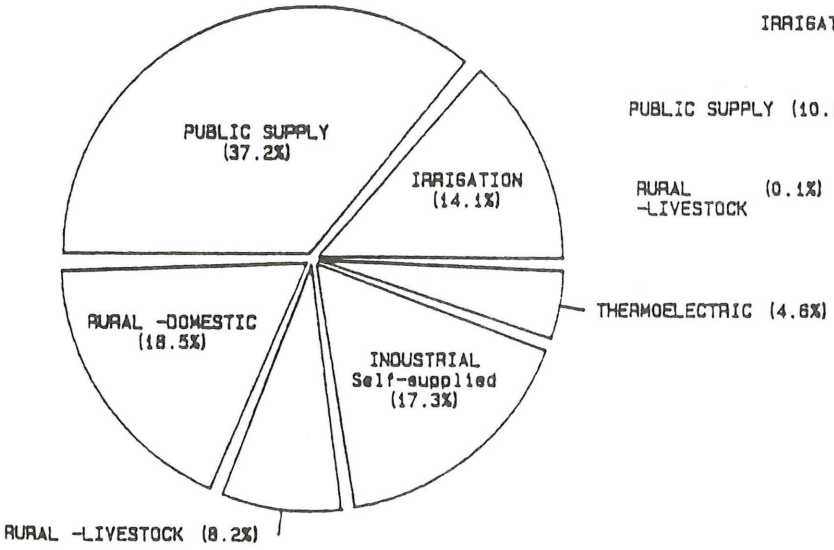
The MPCA has conducted a Ground Water Quality Monitoring Program since 1978. The monitoring network consists of approximately 400 wells and springs statewide, which are sampled in a four-year rotation. The samples collected from these stations are analyzed by the Minnesota Department of Health (MDH) laboratory for basic constitutents and volatile organic compounds. Pesticides are also included on a very limited basis.

Fourteen principal aquifers used for water supply underlie the land surface of Minnesota. Figure 12 shows the generalized sequence of bedrock aquifer systems and confining beds for Minnesota. The natural quality of Minnesota's ground water is generally quite good, with concentrations usually falling far below the primary drinking water standards.

TOTAL WATER WITHDRAWN
1004.1 Billion Gallons



GROUND WATER WITHDRAWN
Total = 254.1 Billion Gallons



SURFACE WATER WITHDRAWN
Total = 750.0 Billion Gallons

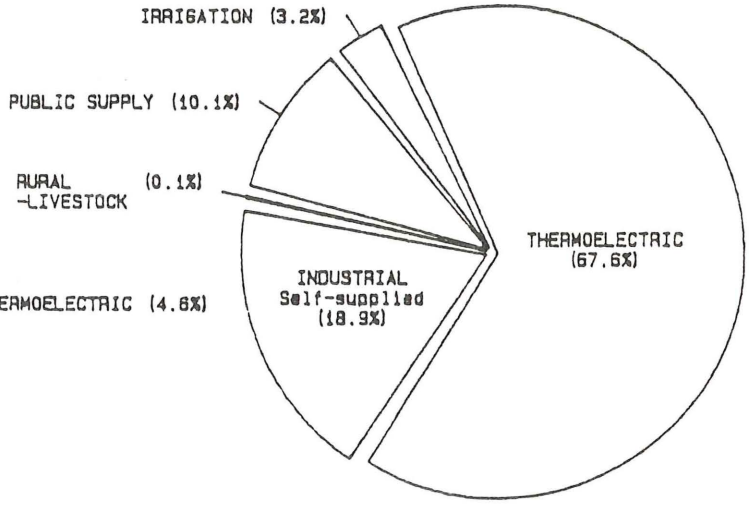
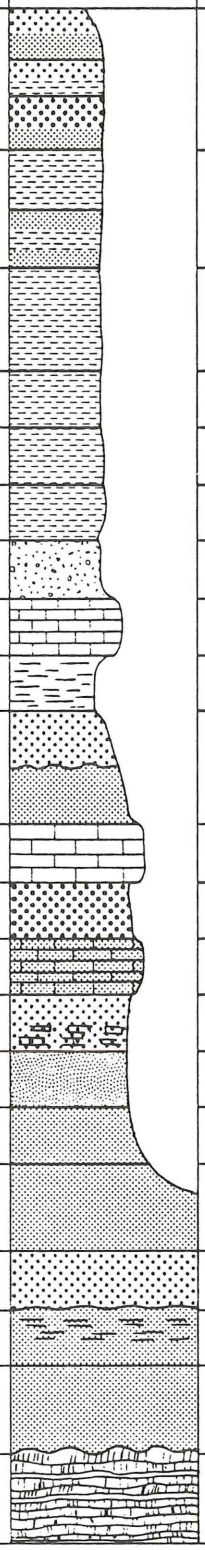


Figure 11. Minnesota Water Use - 1985(MDNR,1986).

ERA	PERIOD	GROUP or FORMATION	MAXIMUM THICKNESS (FEET)	HYDROGEOLOGIC UNITS
Cenozoic	Quaternary	Drift	500	Surficial sand and gravel aquifer
				Clay-rich till confining beds
				Buried sand and gravel aquifers
Mesozoic	Cretaceous	Cretaceous beds	550	Cretaceous confining beds—shale
				Cretaceous aquifer—sandstone lenses in shale
Paleozoic	Devonian	Cedar Valley Limestone	300	Upper Carbonate aquifer—limestone, dolomite, and dolomitic limestone
	Ordovician	Maquoketa Shale	70+	
		Dubuque Formation	35	
		Galena Formation	230	
		Decorah Shale	95	Confining bed—shale dolomitic limestone, and limestone
		Platteville Limestone	35	
		Glenwood Shale	18	
		St. Peter Sandstone	155	St. Peter aquifer—sandstone
				St. Peter confining bed—siltstone and shale
		Prairie du Chien Group	360	Prairie du Chien-Jordan aquifer—dolomite and sandstone
	Cambrain	Jordan Sandstone	115	
		St. Lawrence Formation	65	St. Lawrence confining bed—shaly, silty dolomite
		Franconia Formation	200+	Franconia-Ironton Galesville aquifer—sandstone interbedded with shale, siltstone, and dolomite
		Ironton Sandstone	45	
		Galesville Sandstone	95	
		Eau Claire Sandstone	195	Eau Claire confining bed—sandstone, siltstone,
		Mt. Simon Sandstone	315	Mt. Simon-Hinckley aquifer—sandstone, siltstone, and shale
Precambrian	Proterozoic and older	Hinckley Sandstone	500	
		Fond du Lac	2000+	Hydrogeolgic properties little known, sandstone and sandy shale
		* Sedimentary, metamorphic, and igneous rocks		



* Note: This includes the North Shore Volcanic Group, Biwabik Iron Formation, Sioux Quartzite, and Precambrian Undifferentiated

Figure 12. Generalized sequence of bedrock aquifer systems and confining beds for Minnesota.

Although the overall quality of our ground water is good, there are some problem areas in Minnesota. In the western part of the state, there are elevated sulfate levels; in the southeastern part of Minnesota, nitrates frequently exceed drinking water standards.

Concern over pesticides in drinking water have prompted other monitoring programs. The Minnesota Department of Agriculture (MDA) and the Minnesota Department of Health (MDH) designed a program to determine the extent of ground water problems in Minnesota due to "normal" pesticide use in pesticide sensitive areas. They found that 38 percent of all the samples collected had detectable levels of one or more pesticides.

Table 15. Summary of All Pesticide Detections as of September 1986

Pesticide	Number of wells in which found	Highest level found (parts) per billion)	Action guideline level (parts per billion)
atrazine	178	42.4	260
alachlor	26	9.76	10
propachlor	8	.52	47
2, 4-D	6	4.2	70
metalachlor	5	2.1	17
metribuzen	5	78	175
dicamba	4	2.1	87
chloropyrifos	4	.21	21
picloram	3	.13	175
2, 4, 5-TP	2	.26	10
cyanazine	2	.1	42
aldicarb	1	30.6 (nondrinking water well sample)	9
simazine	1	2.58	350
terbufos	1	.63	?

Source: Understanding Nitrogen and Agricultural Chemicals in the Environment. AG-BU-3166, University of Minnesota, Minnesota Extension Service. 1987.

2. Localized Ground Water Contamination Problems:

While most of Minnesota's ground water is only beginning to show the impact of man's activity, there exist local situations where significant problems have been found. The major sources of contamination to Minnesota's ground water and the contaminants of concern are listed and ranked in Table 16.

Table 16. Ranked Threats to Ground Water Quality

Contaminant Source	Rank	Contaminating Substances
Industrial/Manufacturing (On-site spills, illegal or uncontrolled disposal, industrial impoundments)	1	Metals, Pentachlorophenol, PAH compounds, solvents, pesticides)
Solid Waste Landfills and Dumps	2	Leachate: organic chemicals, metals
Storage and Transportation of Petroleum and other products	3	Gasoline, fuel oil and breakdown products, other materials
Agricultural Activities	4	Pesticides, nitrates
Municipal Impoundments and Land Treatment Facilities	5	Priority pollutants, nitrates
Individual Septic Systems	5	Priority pollutants, nitrates
Road Salting/Salt Storage	5	Salinity

Table 17 shows the number of sites on Minnesota's Permanent List of Priorities (PLOP) that fall into each of these categories. This list provides information on the most serious environmental cleanups facing the state, and is updated semi-annually. Table 18 is the entire Permanent List of Priorities. Figure 13 shows the distribution of sites on this list throughout the state. At 13 of the sites, municipal water supplies were impacted. Private water supplies were impacted at 16 sites.

Table 17. Types of Sites on Minnesota Permanent List of Priorities

Contaminant Source Type (same listing as in Table 1)	No. of Sites on List[1]
Industrial/Manufacturing	75
Solid Waste Landfills	55
Petroleum Storage and Trans.	5
Agricultural	4

[1] There are a total of 139 sites on the list. None of these sites fell into the last three categories given in Table 16.

Table 18. Hazardous Waste Sites on Minnesota's Permanent List of Priorities

METROPOLITAN AREA SITES

1. Union Scrap Iron and Metal Co., 1608 Washington Ave. N.
2. Minnegasco, under I-35W bridge near Mississippi River
3. Shafer Metal Recycling, 129 Plymouth Ave. N.
4. Whittaker Corp., 3135 NE California St.
5. General Mills, 2010 E. Hennepin Ave.
6. Twin Cities Air Force Reserve Base near airport
7. Bassett Creek/Irving Ave., old dump
8. Superior Plating, Inc., 315 1st Ave NE
9. McLaughlin Gormley King Co., 1715 SE 5th St.
10. Hopkins Agri. Chemical/Allied Chemical, 2020 Broadway Ave. NE
11. Minneapolis Community Development Agency FMC Corp., 13th Ave. S.
12. Reilly Tar and Chemical Corp., St. Louis Park
13. Joslyn Manufacturing and Supply Co., Brooklyn Center
14. Flying Cloud Landfill, Eden Prairie
15. NL Industries/Taracorp/Golden Auto, St. Louis Park
16. Honeywell, Inc., Golden Valley
17. Tonka Corp., main plant, Mound
18. Electronic Industries, Inc., New Hope
19. Woodlake Landfill, Medina
20. Hopkins Landfill, Hopkins
21. Control Data Corp. Printed Circuits Operations, St. Louis Park
22. FMC Corp. Northern Ordnance plant, Fridley
23. U.S. Naval Industrial Reserve Ordnance plant, Fridley
24. Boise Cascade/Medtronic Corp./National Pole, Fridley
25. Boise Cascade/Onan Corp./National Pole, Fridley
26. Waste Disposal Engineering, Andover
27. Anoka Municipal Landfill, Ramsey
28. Oak Grove Landfill, Oak Grove Township
29. South Andover Dumps, Andover
30. Kurt Manufacturing, Fridley
31. East Bethel Demolition Debris Landfill, East Bethel
32. Koppers Coke Co.
33. Schnitzer Iron and Metal Co.
34. Ford Motor Co. Plant, 966 S. Mississippi River Blvd.
35. Ecolotech, Inc., 769 Front Ave
36. Metals Reduction Co., 141 Water St.
37. Polymetal Products, Inc./former Union Scrap Iron and Metal Co., 2489 Valentine Ave.

OTHER SEVEN COUNTY AREA SITES

38. Twin Cities Army Ammunition Plan/Honeywell, Arden Hills area
39. MacGillis and Gibbs Co., New Brighton
40. Bell Lumber and Pole Co., New Brighton
41. Former White Bear Lake Township Dump
42. Trio Solvent site, New Brighton
43. Former Northwest Refinery, New Brighton
44. Pine Bend/Crosby American Landfills, Inver Grove Heights
45. University of Minnesota, Rosemount Research Center
46. Freeway Landfill, Burnsville
47. Burnsville Landfill
48. Dakhue Landfill, Hampton Township
49. Former Hastings Dump, Hastings
50. Koch Refining Co./N-ReN Corp., Rosemount
51. Former 3M Co. Oakdale dumps
52. Washington County Landfill, Lake Elmo
53. Lakeland ground water contamination
54. St. Paul Park ground water contamination
55. Ashland Oil Co., Cottage Grove
56. 3M Co. Chemolite disposal site, Cottage Grove
57. Ashland Oil/Park Penta/Sonford Products, St. Paul Park
58. Andersen Corp., Bayport
59. Former PCI, Inc. incinerator site, Shakopee
60. Louisville Landfill, Jordan

OUTSTATE SITES

61. Becker County Landfill, Detroit Township
62. Kummer Landfill, Northern Township, near Bemidgi
63. LeHillier, adjacent to Mankato in South Bend Township
64. Ponderosa Landfill, South Bend Township
65. Conoco, Inc. refinery, Wrenshall
66. St. Regis Paper Co. site, in city of Cass Lake
67. Agate Lake Scrap Yard
68. Pine Lane Landfill, Wyoming Township
69. Clay County Landfill, Hawley Township
70. Former Windom Dump, near Windom
71. Burlington Northern dump, near Baxter
72. Crow Wing County Landfill, Oak Lawn Township
73. Dodge County Landfill, Mantorville Township
74. Kluver Landfill, Carlos township
75. La Grande Landfill, La Grande Township
76. Ironwood Landfill/Advance Transformer, near Spring Valley
77. Spring Grove municipal wells
78. Houston County Landfill, Houston Township
79. Pickett Landfill, Henrietta Township
80. Fritz Craig Salvage Yard, Park Rapids
81. Chisago-Isanto Landfill, Isanti Township
82. Isanti/Schumacher waste solvent site, near West Point
83. Rumpel disposal site, rural Isanti County
84. Martin disposal site, rural Isanti County
85. Jackson municipal wells
86. McGuire Wire Salvage Site, Mora
87. Kandiyohi County Landfill, Lake Andrew Township
88. Atwater municipal wells
89. Karlstad Landfill, Deerwood Township
90. Koochiching County Landfill, near International Falls
91. Boise Cascade Corp. paint waste dump, south of Rainier
92. Tellijohn Landfill, Ottawa Township
93. Gofer Landfill, Rutland Township
94. Hutchinson Technology, Inc., Hutchinson
95. Litchfield well site (waste from three bankrupt companies)
96. Meeker County Landfill, Litchfield
97. Greater Morrison Landfill, Little Falls Township
98. Lansing ground water contamination
99. Adrian municipal wells
100. Olmsted County Landfill, Oronoco Township
101. Perham arsenic-waste burial site, Perham
102. Battle Lake Area Landfill, Clitheral Township
103. Ashland Oil Co./Burlington Northern RR
104. Askov municipal wells
105. Minn. Dept. of Natural Resources pesticide site near Duxbury
106. 3M Co. disposal site, Kerrick
107. Pipestone County Landfill, Rock Township
108. Redwood County Landfill near Redwood Falls
109. Faribault coal gasification plant site
110. Faribault well field
111. Nutting Truck and Caster Co., Faribault
112. Arrowhead Refinery Co., Hermantown
113. Interlake, Inc./Duluth Tar/St. Louis River site, Duluth
114. U.S. Steel/St. Louis River site, Morgan Park
115. Western Lake Superior Sanitary District Landfill, Rice Lake Township
116. Former Duluth City Dump, Rice Lake Township
117. Duluth Air Force Base, at Duluth Airport
118. Northwoods Landfill, near Ely
119. East Mesaba Landfill, Missabe Mountain Township
120. West Duluth Industrial site/Union Compress Steel Co.
121. Duluth, Missabe and Iron Range RR, in Proctor
122. Elk River Landfill, Elk River Township
123. Sibley County Landfill, Dryden Townwhip
124. St. Augusta Landfill/Engen Dump, St. Augusta Township
125. Electric Machinery Co., St. Cloud
126. Sauk Centre Landfill, Sauk Centre Township
127. Waite Park municipal wells, St. Cloud suburb
128. Bueckers Landfill, Millwood Township
129. Former Owatonna City Dump
130. Long Prairie municipal and private wells
131. Wabasha County Landfill, Watopa Township
132. Ritari Post and Pole Co., Meadow Township
133. Wadena arsenic burial site, Leaf River Township
134. Wadena Landfill, near Wadena
135. Waseca County Landfill, Otisco Township
136. Winona County Landfill, Wilson Township
137. Weisman Scrapyard, Winona
138. Yonak Landfill, Monticello Township Township
139. Tonka Corp. disposal site at Woyke Farm, Annandale

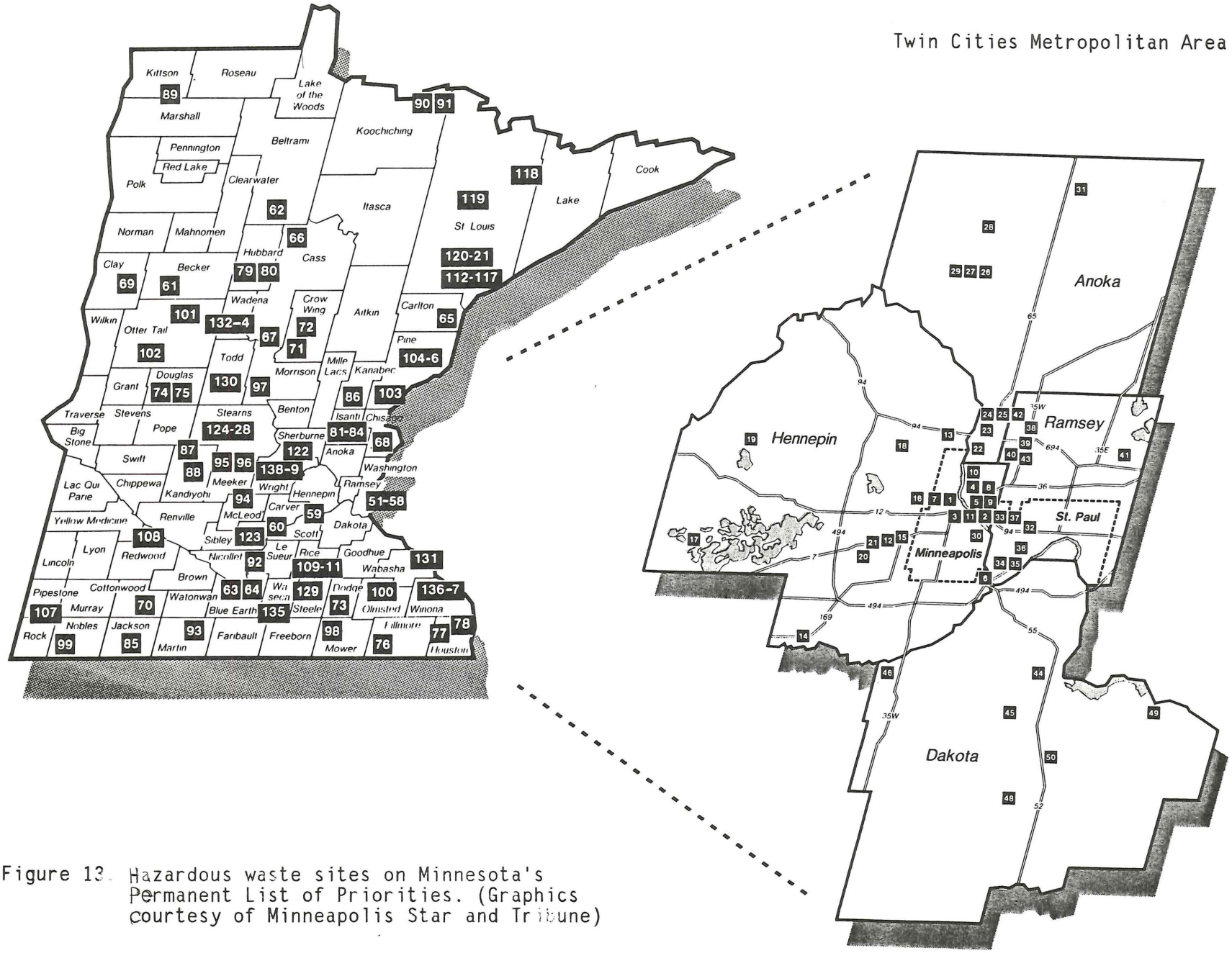


Figure 13. Hazardous waste sites on Minnesota's Permanent List of Priorities. (Graphics courtesy of Minneapolis Star and Tribune)

The MPCA administers several programs that deal with controlling ground water contamination. Investigation and remediation of long-term ground water contamination problems from industry and/or manufacturing is handled by the Site Response Section of the Ground Water and Solid Waste Division. Hazardous wastes are regulated by the Hazardous Waste Division. The Tanks and Spills Section of the Hazardous Waste Division is responsible for petroleum-related programs and incidents. Wastewater treatment and disposal is regulated by the programs of the Division of Water Quality, which traditionally have focused more on surface water concerns than ground water.

3. Ground Water Quality Regulation

The state plans to develop a set of municipal ground water standards, which will be used universally to protect ground water for its highest use - as a source of drinking water. These standards will be based on health risk criteria, since ground water is used by most private well owners without any treatment more rigorous than softening. The MPCA is also developing an internal policy memorandum, which will provide guidance in applying existing drinking water limits (both federal Maximum Contaminant Levels, and state Recommended Allowable Limit) in ground water protection and clean up.

C. Geographic Areas of Concern

Figure 14 shows the areas in Minnesota that may be susceptible to contamination. According to the figure, the highest risk areas are the southeast, northwest and the Mississippi and Minnesota River valleys.

The areas identified as being susceptible to ground water contamination are of particular concern to regions of the state where land is under cultivation. In geologically vulnerable cultivated regions, especially row-cropped acreage, there is a great potential for leaching of pesticides and nitrate into aquifers. The sandy areas of Glacial Lake Agassiz beach deposits in northwestern Minnesota are largely agricultural, and thus, have a potential for agricultural NPS contamination. Central Minnesota is a region of transition from forested areas to predominantly agricultural land use. Many of the sand plains in this region are intensively farmed, often with the use of irrigation systems. Southeastern Minnesota is also farmed intensively. Leaching of chemicals through thin soils and surface runoff into sinkholes are of special concern in southeastern Minnesota. Southcentral and southwestern Minnesota are extensively cultivated. In these areas there are concerns about pesticides and nitrate in ground water, especially in sandy regions near river valleys.

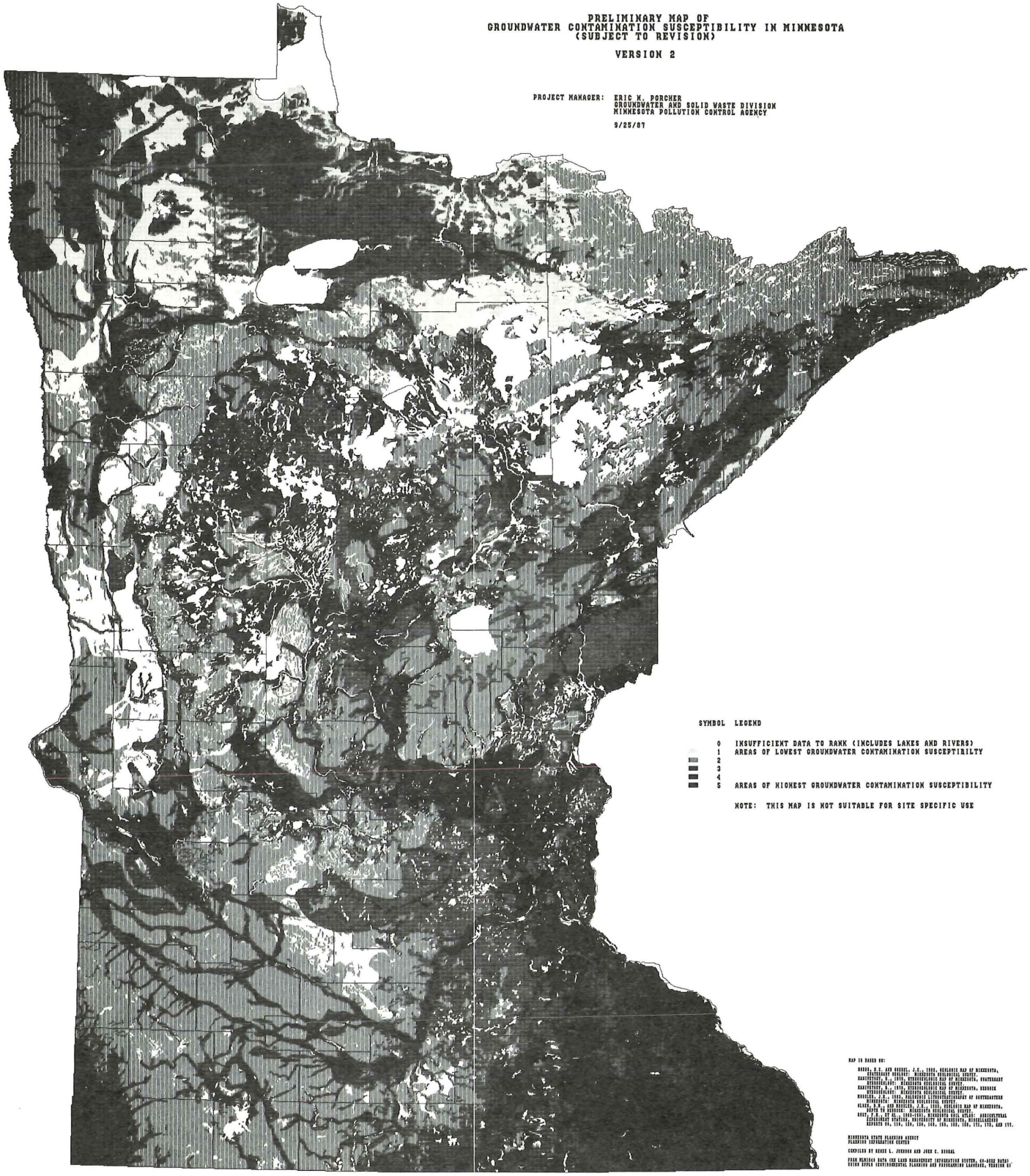


Figure 14. Ground Water Contamination Susceptibility Map.

VII. LIST OF ALL IMPACTED WATERBODIES

Table 19 is the listing of all impacted waterbodies on the 304(l) long list. The long list includes waterbodies impacted by any pollutant from any source. A subset of this list is identified as the 304(l) medium list; it includes waterbodies impacted by toxic pollutants from any source. A subset of the medium list is the 304(l) short list, those waterbodies impacted by priority toxics (designated by EPA) that can be traced to a specific point source discharger. There are two sections of this listing of all impacted waterbodies; each section is organized by grouping waterbodies according to their inclusion in the short, medium, or long list (list status).

The first section includes streams for which monitoring data, fish tissue data, lake assessments, and nonpoint source pollution data are available. This list also includes waterbodies for which use-support assessments have not been made, but which are included on the 304(l) medium list because they are receiving waters for certain types of dischargers. These dischargers are those which chlorinate, but do not dechlorinate, or those for which effluent toxicity test results indicate a possible problem.

Within the 304(l) list status, waterbodies in the first section are organized by hydrologic unit code (HUC), segment (SEG) and lake identification number. The HUC and SEG are from the EPA reach system. A list at the beginning of this section names the major watershed that corresponds to each HUC. In some cases, the SEG has been modified by MPCA to accomodate tributaries or hydrologically important subdivisions of an EPA reach. Lake identification numbers are from a system developed by the MDNR and used extensively by MPCA. The first two digits are the county number and the last four are the lake identification number supplied by MDNR. This organization of the list allows all impacted waterbodies within a HUC (major watershed) to be examined at one time. Most of the information for a given waterbody has been merged into one line. However, for some waterbodies, there will be more than one line.

Notes on the list of all impacted waterbodies (page L-1) define the codes used in this section. The column HUC through ECO (ecoregion) provide the waterbody description. Columns ME (monitored or evaluated) through POT (nonpoint source pollution potential) give assessment information. Columns PKFI through OTHER6 give pollution kinds or causes for specific assessments. Columns MU, IN and NPDES give information on sources.

Support for fishable use is based on meeting ambient water quality standards, as described earlier. It does not take into account fish consumption advisory information. Waterbodies with fish consumption advisories can be identified on this list by an A in the PKFI column. They will also be included in the A304M list - there will be a M in that column. Support for all uses (ASUALL) on this table indicates support for all assessed uses, but not necessarily for all designated uses.

The second section of the list includes those waterbodies identified by local resources managers as being impaired by nonpoint source pollution. This section is organized first by 304(l) list status, and then by county code (counties are in alphabetical order) and by waterbody type - lake, stream, wetland or aquifer. A list of county codes is given at the beginning of this section. Respondents were asked to use the codes from Tables A, B, C to identify nonpoint source effects (EFFECTS), nonpoint source categories (SOURCE) and actual or potential uses (USEACT and USEPOT).

NOTES ON LIST OF ALL IMPACTED WATERBODIES

MILES=RIVER MILES
SIZE=LAKE ACRES

ECO

DA=DRIFTLESS AREA
NCHF=NORTHERN CENTRAL HARDWOOD FORESTS
NGP=NORTHERN GLACIATED PLAINS
NLF=NORTHERN LAKES AND FORESTS
NMW=NORTHERN MINNESOTA WETLANDS
RRV=RED RIVER VALLEY
WCBP=WESTERN CORN BELT PLAINS

ME

M=MONITORED
E=EVALUATED

IF BOTH MONITORED AND EVALUATED DATA IS USED, THIS VALUE IS SET=M

ASSESSMENTS

SUPPORTS

ASUFI=FISHABLE USE
ASUSW=SWIMMABLE USE
ASUALL=ALL USES

FS=FULLY SUPPORTING PS=PARTIALLY SUPPORTING NS=NOT SUPPORTING

304(L) LIST STATUS

A304L = ON LONG LIST A304M = ON MEDIUM LIST A304S = ON SHORT LIST

POT=POTENTIAL NONPOINT SOURCE POLLUTION

Y= WATER QUALITY LESS THAN ACHIEVABLE FOR THE ECOREGION BASED ON PARAMETERS WHICH MAY REFLECT NONPOINT SOURCE POLLUTION

POLLUTION KINDS

' ' = NOT ASSESSED '-' = ASSESSED, NO SIGNIFICANT VIOLATIONS

PKFI=FISH ADVISORY — A = ADVISORY B = BAN
PKTR=TROPHIC STATUS — O = OLIGOTROPHIC M=MESOTROPHIC E=EUTROPHIC H=HYPEREUTROPHIC
PKFC=FECAL COLIFORM — F = SIGNIFICANT LEVEL OF VIOLATIONS
PKDO=DISSOLVED OXYGEN — O = SIGNIFICANT LEVEL OF VIOLATIONS
PKAN=UNIONIZED AMMONIA-AS NITROGEN — N = SIGNIFICANT LEVEL OF VIOLATIONS
PKpH=pH — A = SIGNIFICANT LEVEL OF LOW VIOLATIONS, ACID B = SIGNIFICANT LEVEL OF HIGH VIOLATIONS, BASE
OTHER1-OTHER6 = CAUSES — 3 = PRIORITY TOXICS 5 = METALS 7 = CHLORINE 9 = NUTRIENTS 12 = ORGANIC ENRICHMENT,DO 21 = OTHER CAUSES

SOURCES

MU M=MUNICIPAL
IN I=INDUTRIAL
NPDES = PERMIT NUMBER FOR FACILITY

MAJOR WATERSHED NAME	HYDROLOGIC UNIT CODE
Lake Superior (north)	04010101
Lake Superior (south)	04010102
St. Louis River	04010201
Cloquet River	04010202
Nemadji River	04010301
Mississippi River (Headwaters, Lake Winnibigoshish)	07010101
Leech Lake River (Leech Lake)	07010102
Mississippi River (Grand Rapids)	07010103
Mississippi River (Brainerd)	07010104
Pine River	07010105
Crow Wing River	07010106
Redeye River (Leaf River)	07010107
Long Prairie River	07010108
Mississippi River (Sartell)	07010201
Sauk River	07010202
Mississippi River (St. Cloud)	07010203
North Fork Crow River	07010204
South Fork Crow River	07010205
Mississippi River (Metro)	07010206
Rum River	07010207
Minnesota River (Headwaters)	07020001
Pomme de Terre River	07020002
Lac qui Parle River	07020003
Minnesota River (Granite Falls)	07020004
Chippewa River	07020005
Redwood River	07020006
Minnesota River (Mankato)	07020007
Cottonwood River	07020008
Blue Earth River	07020009
Watonwan River	07020010
Le Sueur River	07020011
Minnesota River (Shakopee)	07020012
St. Croix River (Upper)	07030001
Kettle River	07030003
Snake River	07030004
St. Croix River (Stillwater)	07030005
Mississippi River (Red Wing) and Lake Pepin	07040001
Cannon River	07040002
Mississippi River (Winona)	07040003
Zumbro River	07040004
Mississippi River (La Crescent)	07040006

MAJOR WATERSHED NAME	HYDROLOGIC UNIT CODE
Root River	07040008
Mississippi River (Nevo)	07060001
Upper Iowa River	07060002
Wapsipinican River (Headwaters)	07080102
Cedar River	07080201
Shell Rock River	07080202
Winnebago River (Lime Creek)	07080203
West Fork Des Moines River (Headwaters)	07100001
West Fork Des Moines River (Lower)	07100002
East Fork Des Moines River	07100003
Bois de Sioux River	09020101
Mustinka River	09020102
Otter Tail River	09020103
Red River of the North (Headwaters)	09020104
Buffalo River	09020106
Marsh River	09020107
Wild Rice River	09020108
Sandhill River	09020301
Upper and Lower Red Lake	09020302
Red Lake River	09020303
Thief River	09020304
Clearwater River	09020305
Grand Marais Creek (Red River of the North)	09020306
Snake River	09020309
Tamarack River (Red River of the North)	09020311
Two River	09020312
Roseau River	09020314
Rainy River (Headwaters)	09030001
Vermillion River	09030002
Rainy River (Rainy Lake)	09030003
Rainy River (Manitou)	09030004
Little Fork River	09030005
Big Fork River	09030006
Rapid River	09030007
Rainy River (Baudette)	09030008
Lake of the Woods	09030009
Big Sioux River (Medary Creek)	10170202
Big Sioux River (Pipestone)	10170203
Rock River	10170204
Little Sioux River	10230003

A304L=LONG A304M= A304S= HUC=04010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
1	04010201		01-0019	WOLF	-	168	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
2	04010201		69-0249	COLBY	-	539	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
3	04010201		69-0538	BERG	-	128	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
4	04010201		69-0717	ELBOW	-	165	NLF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
5	04010201		69-0775	MC QUADE	-	164	NLF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
6	04010201	012	69-0490.	PIKE	-	508	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
7	04010201	037	69-0725	MASHKENODE	-	101	NLF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=04010202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
8	04010202		69-0139	SANTA CLAUS	-	8	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
9	04010202	007	69-0231	JACOBS	-	88	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=04010301

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
10	04010301		09-0007	SPRING	-	41	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
11	04010301		09-0010	HAY	-	215	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
12	04010301		09-0018	HIZER	-	33	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
13	04010301		58-0032	HEADQUARTERS	-	14	NLF	M		NS	NS	LONG					H					-	-	9	-	-	-			
14	04010301	016	58-0038	NET	-	136	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
15	07010101		31-0403	BOSLEY	-	31	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
16	07010101	017	31-0921	DIXON	-	680	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010103

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
17	07010103		01-0072	ROCK	-	317	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
18	07010103		31-0198	LITTLE COWHORN	-	166	NLF	E		NS	NS	LONG					H					-	-	9	-	-	-			
19	07010103		31-0258	KING	-	296	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
20	07010103	029	69-0921	WAYMIER	-	36	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
21	07010103	032	31-0341	LITTLE SPLITHAND	-	223	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
22	07010103	033	31-0353	SPLITHAND	-	1420	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010104

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
23	07010104		01-0123	ELM ISLAND (MAIN BA	-	-	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
24	07010104		18-0127	COLE	-	114	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
25	07010104		77-0014	STUMP	-	34	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
26	07010104		77-0026	MOOSE 2 MI N OF B	-	124	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010105

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
27	07010105		11-0101	GEORGE	-	601	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
28	07010105		18-0191	BASS	-	71	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
29	07010105	004	18-0203	EMILY	-	675	NLF	M		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010108

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
30	07010108		21-0051	HENRY	-	159	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
31	07010108		21-0053	AGNES	-	141	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
32	07010108		21-0081	WINONA (NORTH BAY)	-	-	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
33	07010108		21-0081	WINONA (SOUTH BAY)	-	-	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
34	07010108		21-0144	LOBSTER (EAST BAY)	-	724	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
35	07010108		21-0180	MILL 7 MI S OF GA	-	600	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
36	07010201		05-0009	PULARSKIS	-	138	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
37	07010201		49-0030	PELKEY	-	113	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
38	07010201		73-0199	SAND	-	202	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
39	07010201	003	05-0013	LITTLE ROCK	-	1384	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
40	07010201	006	49-0025	RICE	-	323	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
41	07010201	010	49-0005	PEAVEY	-	123	NLF	E		NS	NS	LONG					H					-	-	9	-	-	-			
42	07010201	017	73-0138	TWO RIVERS	-	756	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-	M		
43	07010201	019	73-0072	ROSSIER	-	40	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=07010202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
44	07010202		21-0003	SWIMS	-	151	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
45	07010202		21-0011	KUNTZ	-	161	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
46	07010202		21-0016	SMITH 3 MI W OF O	-	648	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
47	07010202		73-0086	KNAUS	-	107	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
48	07010202		73-0087	KRAYS	-	90	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
49	07010202		73-0088	BOLFING	-	103	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
50	07010202		73-0133	CEDAR ISLAND (MAIN	-	995	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
51	07010202		73-0133	CEDAR ISLAND (MUD L	-	995	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
52	07010202		73-0139	LONG	-	460	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
53	07010202		73-0150	EDEN	-	290	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-	M		
54	07010202		73-0273	MCCORMIC	-	203	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
55	07010202		77-0150	SAUK(SW BAY)	-	500	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
56	07010202		77-0181	MAPLE	-	367	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
57	07010202	002	73-0083	GREAT NORTHERN	-	113	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
58	07010202	002	73-0089	ZUMWALLES	-	111	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
59	07010202	002	73-0133	CEDAR ISLAND (KOETT	-	995	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
60	07010202	002	73-0133	CEDAR ISLAND (EAST	-	-	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
61	07010202	008	77-0150	SAUK	-	2111	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010203

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
62	07010203		71-0055	ELK	-	353	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
63	07010203		71-0146	BRIGGS	-	406	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
64	07010203		71-0147	RUSH	-	161	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
65	07010203		86-0139	UNNAMED (N BAY)	-	80	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
66	07010203		86-0148	EAGLE	-	244	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
67	07010203		86-0208	SWART WATTS	-	171	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
68	07010203		86-0223	INDIAN	-	129	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
69	07010203		86-0227	CEDAR	-	726	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
70	07010203		86-0229	MINK	-	301	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
71	07010203		86-0230	SOMERS	-	158	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
72	07010203		86-0281	CAROLINE	-	116	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
73	07010203		86-0298	UNION	-	91	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
74	07010203	004	71-0067	EAGLE	-	426	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
75	07010203	004	71-0141	ELK BIG	-	360	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
76	07010203	008	05-0007	MAYHEW	-	131	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
77	07010203	009	71-0013	ORONO	-	281	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
78	07010203	014	86-0252	CLEARWATER	-	3182	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-	M		
79	07010203	015	47-0042	BETTY (BETSY)	-	182	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=07010203

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
80	07010203	015	47-0095	CLEAR	-	497	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
81	07010203	015	73-0014	MARIE	-	114	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
82	07010203	015	86-0282	LOUISA	-	149	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		
83	07010203	015	86-0284	AUGUSTA	-	161	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-	M		
84	07010203	015	86-0297	SCOTT	-	92	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=07010204

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
85	07010204		27-0191	SARAH	-	586	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
86	07010204		34-0154	NEST	-	990	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-	M		
87	07010204		43-0073	HOOK	-	327	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
88	07010204		47-0032	SPRING	-	218	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
89	07010204		47-0082	DUNNS	-	159	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
90	07010204		47-0102	ROUND	-	263	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
91	07010204		86-0009	MARTHA	-	97	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
92	07010204		86-0023	BEEBE	-	315	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
93	07010204		86-0025	SCHOOL	-	76	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
94	07010204		86-0026	MUD	-	128	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
95	07010204		86-0041	DEAN	-	178	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
96	07010204		86-0051	CONSTANCE	-	161	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
97	07010204		86-0089	TAMARACK	-	52	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
98	07010204		86-0106	LITTLE WAVERLY	-	278	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
99	07010204		86-0114	BIG WAVERLY	-	179	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
100	07010204		86-0178	DOG	-	94	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
101	07010204		86-0184	DUTCH	-	218	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
102	07010204		86-0188	EMMA	-	180	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
103	07010204		86-0190	ANN	-	386	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
104	07010204		86-0217	GRANITE	-	339	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
105	07010204		86-0293	COLLINWOOD	-	584	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
106	07010204	004	47-0038	BIG SWAN	-	628	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
107	07010204	016	47-0177	LONG	-	711	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
108	07010204	017	47-0134	RIPLEY AT LITCHFI	-	1060	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
109	07010204	020	86-0090	BUFFALO AT BUFFAL	-	1510	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=07010205

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	AASUSW	ASUAL	A304L	A304MS	A304ST	PKOFIR	PKKTFR	PKKFCO	PKKDON	PKKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	INS	NPDES
110	07010205		10-0095	SWEDE	-	423	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
111	07010205		10-0121	EAGLE	-	184	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
112	07010205		27-0149	SPURZEM	-	65	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
113	07010205		27-0184	WHALETAIL (NORTH BA	-	420	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
114	07010205		27-0184	WHALETAIL (SOUTH BA	-	-	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
115	07010205		34-0086	BIG KANDIYOHI	-	4294	WCBP	M		NS	NS	LONG				H				-	-	9	-	-	-			
116	07010205		34-0096	LITTLE KANDIYOHI	-	932	WCBP	E		NS	NS	LONG				H				-	-	9	-	-	-			
117	07010205		34-0105	KASOTA	-	469	WCBP	E		NS	NS	LONG				H				-	-	9	-	-	-			
118	07010205		34-0169	WAGONGA(MAIN BASIN)	-	1776	WCBP	M		NS	NS	LONG				H				-	-	9	-	-	-	M		
119	07010205		43-0012	WINSTED	-	407	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-	M		
120	07010205		43-0084	MARION	-	586	WCBP	E		NS	NS	LONG				H				-	-	9	-	-	-			
121	07010205		43-0104	STAHL	-	142	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
122	07010205		43-0115	CEDAR	-	1924	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
123	07010205		47-0049	BELLE	-	886	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
124	07010205		47-0060	SIOUX	-	381	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
125	07010205		47-0061	WILLIE	-	182	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
126	07010205		47-0062	GREENLEAF	-	224	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
127	07010205		72-0049	SCHILLING	-	779	WCBP	E		NS	NS	LONG				H				-	-	9	-	-	-			
128	07010205	006	43-0085	OTTER (MAIN BASIN)	-	-	WCBP	E		NS	NS	LONG				H				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010206

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	AASUSW	ASUAL	A304L	A304MS	A304ST	PKOFIR	PKKTFR	PKKFCO	PKKDON	PKKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	INS	NPDES
129	07010206		02-0004	PELTIER	-	465	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
130	07010206		02-0005	GEORGE WATCH	-	509	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
131	07010206		02-0006	CENTERVILLE	-	464	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
132	07010206		02-0007	FORSHAM	-	202	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
133	07010206		02-0008	RICE	-	408	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
134	07010206		02-0009	RESHANAU	-	304	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
135	07010206		02-0013	BALDWIN	-	204	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
136	07010206		02-0016	HOWARD	-	448	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
137	07010206		02-0019	TAMARAC	-	100	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
138	07010206		02-0045	GOLDEN	-	57	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
139	07010206		02-0075	MOORE (EAST BAY)	-	-	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
140	07010206		10-0042	PARLEY	-	281	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
141	07010206		10-0044	AUBURN (EAST BAY)	-	120	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
142	07010206		10-0048	WASSERMANN	-	277	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
143	07010206		19-0065	HOLLAND	-	35	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
144	07010206		27-0034	CRYSTAL	-	76	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
145	07010206		27-0035	SWEENEY-TWIN - SWEE	-	46	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010206

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
146	07010206		27-0040	LAKE OF THE ISLES	-	103	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
147	07010206		27-0042	TWIN (SOUTH BAY) AT	-	-	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
148	07010206		27-0058	RYAN	-	18	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
149	07010206		27-0098	BASS	-	175	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
150	07010206		27-0103	LOST	-	20	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
151	07010206		27-0104	MEDICINE	-	948	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
152	07010206		27-0110	UNNAMED	-	14	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
153	07010206		27-0111	EAGLE (PIKE BAY) A	-	95	NCHF	E		PS	PS	LONG					E				-	-	9	-	-	-			
154	07010206		27-0125	DIAMOND	-	408	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
155	07010206		27-0127	FRENCH	-	352	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
156	07010206		27-0133	MINNETONKA (STUBBS	-	198	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
157	07010206		27-0133	MINNETONKA (WEST AR	-	-	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-	M		
158	07010206		27-0133	MINNETONKA (JENNING	-	-	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-	M		
159	07010206		27-0139	FOREST	-	81	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
160	07010206		27-0157	WOLSFELD	-	36	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
161	07010206		27-0160	LONG	-	272	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
162	07010206		27-0181	DUTCH	-	160	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
163	07010206		27-0182	LANGDON	-	141	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
164	07010206		62-0002	BALD EAGLE	-	1012	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
165	07010206		62-0006	KOHLMAN	-	72	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
166	07010206		62-0010	KELLER	-	68	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
167	07010206		62-0011	WAKEFIELD	-	23	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
168	07010206		62-0012	ROUND	-	30	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
169	07010206		62-0016	BEAVER	-	84	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
170	07010206		62-0018	DEEP	-	73	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
171	07010206		62-0046	PLEASANT	-	593	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
172	07010206		62-0048	BENNETT	-	41	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
173	07010206		62-0049	LANGTON(NORTH BAY)	-	20	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
174	07010206		62-0049	LANGTON(SOUTH BAY)	-	15	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
175	07010206		62-0055	COMO	-	70	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
176	07010206		62-0056	OWASSO	-	357	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
177	07010206		62-0062	CHARLEY	-	32	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
178	07010206		62-0067	LONG	-	184	NCHF	M		NS	NS	LONG				-	H				-	-	9	-	-	-			
179	07010206		62-0069	PIKE	-	36	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
180	07010206		62-0071	VALENTINE	-	60	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
181	07010206		62-0075	ISLAND (BASIN SOUTH	-	-	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
182	07010206		62-0075	ISLAND (BASIN NORTH	-	-	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
183	07010206		62-0081	MUD	-	16	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
184	07010206		82-0101	DEMONTREVILLE	-	140	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
185	07010206		82-0122	PINE TREE	-	170	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
186	07010206		82-0153	SUNSET	-	124	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
187	07010206		82-0163	CLEAR	-	400	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
188	07010206	002	02-0075	MOORE (WEST BAY)	-	-	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
189	07010206	002	27-0014	POWDERHORN	-	11	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			
190	07010206	002	27-0019	NOKOMIS	-	204	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
191	07010206	002	62-0083	SILVER	-	69	NCHF	M		NS	NS	LONG					H				-	-	9	-	-	-			
192	07010206	003	02-0072	LADDIE	-	77	NCHF	E		NS	NS	LONG					H				-	-	9	-	-	-			
193	07010206	003	02-0084	CROOKED	-	130	NCHF	M		PS	PS	LONG					E				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010206

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASSUFS	ASSUW	ASUAL	A304L	A304MS	A304ST	PKFIR	PKTRC	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	NIS	NPDES
194	07010206	007	27-0165	JUBERT	-	64	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
195	07010206	008	27-0133	MINNETONKA (HALSTED	-	-	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-	M		
196	07010206	008	27-0133	MINNETONKA (CRYSTAL	-	-	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
197	07010206	008	27-0141	TANAGER	-	50	NCHF	M		NS	NS	LONG				H				-	-	9	-	-	-			
198	07010206	008	27-0144	GALPIN	-	48	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07010207

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASSUFS	ASSUW	ASUAL	A304L	A304MS	A304ST	PKFIR	PKTRC	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	NIS	NPDES
199	07010207		01-0158	GREGG	-	31	NLF	E		NS	NS	LONG				H				-	-	9	-	-	-			
200	07010207		02-0130	PICKEREL	-	274	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
201	07010207		18-0049	WILSON	-	63	NLF	E		PS	PS	LONG				E				-	-	9	-	-	-			
202	07010207		30-0022	SKOGMAN	-	215	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
203	07010207		30-0043	FANNIE	-	393	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
204	07010207		30-0044	LITTLE STANCHFIELD	-	138	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-	M		
205	07010207		30-0072	LONG	-	390	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
206	07010207		30-0080	FRANCIS	-	301	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
207	07010207		30-0096	LORY	-	212	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
208	07010207		30-0107	BLUE (SOUTH BAY) 3	-	-	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
209	07010207		30-0138	SOUTH STANCHFIELD	-	398	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASSUFS	ASSUW	ASUAL	A304L	A304MS	A304ST	PKFIR	PKTRC	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	NIS	NPDES
210	07020001		06-0029	LONG TOM	-	133	NGP	M		NS	NS	LONG				H				-	-	9	-	-	-			
211	07020001		37-0046	LAC QUI PARLE (SOUT	-	4700	NGP	E		NS	NS	LONG				H				-	-	9	-	-	-			
212	07020001	022	06-0152	BIG STONE	-	12610	NGP	M		NS	NS	LONG			-	E				-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=07020002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFS	ASUSW	ASUAL	A304L	A304MS	A304ST	PKOFTI	PKKTRC	PKKFCO	PKKDAN	PKKPH	OTHERE1	OTHERE2	OTHERE3	OTHERE4	OTHERE5	OTHERE6	MU	IN	NPDES
213	07020002		06-0002	ARTICHOKE	-	2053	NGP	M		NS	NS	LONG				H				-	-	9	-	-	-			
214	07020002		75-0200	HATTIE 5 MI S OF	-	488	NGP	M		NS	NS	LONG				H				-	-	9	-	-	-			
215	07020002		76-0146	OLIVER (NW BAY)	-	-	NGP	E		NS	NS	LONG				H				-	-	9	-	-	-			
216	07020002		76-0146	OLIVER (SE BAY) 1	-	-	NGP	M		PS	PS	LONG				E				-	-	9	-	-	-			
217	07020002	002	75-0075	PERKINS 10 MI N O	-	519	NGP	M		NS	NS	LONG				H				-	-	9	-	-	-			
218	07020002	007	26-0076	LITTLE	-	69	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-	M		
219	07020002	008	26-0002	PELICAN	-	3728	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFS	ASUSW	ASUAL	A304L	A304MS	A304ST	PKOFTI	PKKTRC	PKKFCO	PKKDAN	PKKPH	OTHERE1	OTHERE2	OTHERE3	OTHERE4	OTHERE5	OTHERE6	MU	IN	NPDES
220	07020004		34-0192	LONG	-	1575	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
221	07020004		34-0193	POINT	-	164	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
222	07020004		41-0034	EAST STAY	-	220	NGP	E		PS	PS	LONG				E				-	-	9	-	-	-			
223	07020004		41-0089	SHAOKOTON 7 MI SW	-	995	NGP	E		NS	NS	LONG				H				-	-	9	-	-	-			
224	07020004		87-0016	CURTIS	-	440	WCBP	M		NS	NS	LONG				H				-	-	9	-	-	-			
225	07020004	029	87-0030	WOOD	-	484	WCBP	M		NS	NS	LONG				H				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFS	ASUSW	ASUAL	A304L	A304MS	A304ST	PKOFTI	PKKTRC	PKKFCO	PKKDAN	PKKPH	OTHERE1	OTHERE2	OTHERE3	OTHERE4	OTHERE5	OTHERE6	MU	IN	NPDES
226	07020005		21-0336	FANNY	-	43	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-	M		
227	07020005		34-0251	NORWAY	-	2496	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
228	07020005		61-0067	VILLARD	-	536	NCHF	E		PS	PS	LONG				E				-	-	9	-	-	-			
229	07020005		76-0086	HASSEL	-	706	NGP	M		NS	NS	LONG				H				-	-	9	-	-	-			
230	07020005	009	61-0072	GILCHRIST	-	330	NCHF	E		NS	NS	LONG				H				-	-	9	-	-	-			
231	07020005	019	21-0090	TURTLE 6 MI NE OF	-	220	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			
232	07020005	022	21-0212	LITTLE CHIPPEWA 3	-	176	NCHF	M		PS	PS	LONG				E				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	AASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
233	07020006		42-0002	SCHOOL GROVE 6 MI	-	318	NGP	E		NS	NS	LONG					H					-	-	9	-	-	-			
234	07020006		42-0093	EAST GOOSE	-	139	NGP	M		NS	NS	LONG					H					-	-	9	-	-	-			
235	07020006	007	41-0021	DEAD COON 7 MI N	-	576	NGP	M		NS	NS	LONG					H					-	-	9	-	-	-			
236	07020006	008	41-0043	BENTON AT LAKE BE	-	2857	NGP	M		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020007

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	AASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
237	07020007		07-0047	GEORGE	-	141	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
238	07020007		40-0119	SCOTCH	-	565	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
239	07020007		40-0124	EMILY	-	235	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
240	07020007		52-0034	SWAN	-	6500	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
241	07020007	026	07-0101	LILY	-	142	WCBP	E		PS	PS	LONG					E					-	-	9	-	-	-	M		
242	07020007	028	40-0117	WASHINGTON	-	1505	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	AASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
243	07020008		08-0011	CLEAR	-	335	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
244	07020008		08-0045	SLEEPY EYE (WHOLE L	-	251	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
245	07020008		42-0052	ROCK	-	422	NGP	M		NS	NS	LONG					H					-	-	9	-	-	-			
246	07020008		51-0043	FOX	-	174	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020009

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
247	07020009		46-0020	SOUTH SILVER	-	245	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
248	07020009		46-0133	BIG TWIN	-	457	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
249	07020009	011	46-0109	FOX	-	1041	WCBP	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020010

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
250	07020010		08-0026	HANSKA	-	1844	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
251	07020010		17-0003	MOUNTAIN	-	229	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
252	07020010		17-0007	BINGHAM	-	259	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
253	07020010		46-0046	PERCH	-	175	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
254	07020010		83-0036	KANSAS	-	388	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
255	07020010		83-0040	LONG 5 MI SO OF S	-	264	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
256	07020010	013	32-0018	FISH 3 MI SE OF W	-	287	WCBP	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020011

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
257	07020011		07-0044	MADISON	-	1171	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
258	07020011		07-0054	BALLANTYNE	-	353	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
259	07020011		07-0079	LURA	-	1224	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
260	07020011		22-0074	BASS	-	201	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
261	07020011		24-0044	FREEBORN	-	2222	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
262	07020011		81-0055	REEDS	-	187	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
263	07020011	016	81-0095	ELYSIAN	-	2289	NCHF	E		NS	NS	LONG				-	H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07020012

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
264	07020012		10-0006	LOTUS	-	252	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
265	07020012		10-0007	LUCY	-	90	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
266	07020012		10-0052	REITZ	-	70	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
267	07020012		10-0069	BENTON	-	115	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
268	07020012		10-0070	MUEWISSON	-	58	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
269	07020012		10-0089	GOOSE	-	394	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
270	07020012		19-0021	ALIMAGNET	-	109	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
271	07020012		19-0067	THOMAS	-	56	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
272	07020012		27-0004	PENN	-	32	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
273	07020012		27-0062	ANDERSON (NORTH BAY	-	210	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
274	07020012		27-0078	STARING	-	161	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
275	07020012		70-0022	CLEARY	-	137	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
276	07020012		70-0050	MCMAHON	-	131	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
277	07020012		70-0052	CYNTHIA	-	195	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
278	07020012		70-0054	SPRING	-	631	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
279	07020012		70-0069	FISH	-	175	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
280	07020012		70-0072	UPPER PRIOR	-	340	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
281	07020012		70-0091	CEDAR	-	749	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
282	07020012		70-0095	O DOWD	-	257	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
283	07020012		70-0120	THOLE	-	141	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
284	07020012		72-0013	SILVER	-	694	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
285	07020012		72-0050	HIGH ISLAND (MAIN B	-	-	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
286	07020012	002	10-0078	RICE	-	347	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
287	07020012	002	10-0088	HYDES	-	226	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
288	07020012	006	72-0017	WASHINGTON	-	630	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
289	07020012	021	40-0079	CLEAR	-	313	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
290	07020012	025	40-0020	GREENLEAF 2 MI SW	-	306	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07030001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
291	07030001		58-0009	STEVENS	-	15	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
292	07030001		58-0018	LENA	-	44	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
293	07030001		58-0025	DOLLAR	-	20	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
294	07030001	040	58-0029	GRACES	-	54	NLF	M		NS	NS	LONG					H					-	-	9	-	-	-			
295	07030001	046	58-0040	CLAYTON	-	17	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07030003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
296	07030003		33-0002	BEAUTY	-	64	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
297	07030003		58-0059	STEVENS	-	53	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
298	07030003		58-0102	FOX	-	104	NLF	M		NS	NS	LONG					H					-	-	9	-	-	-			
299	07030003		58-0104	CLEAR	-	25	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
300	07030003		58-0129	LITTLE PINE	-	75	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
301	07030003		58-0131	FISH	-	82	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
302	07030003	005	58-0100	UNNAMED	-	19	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07030004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
303	07030004		33-0014	UNNAMED	-	30	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
304	07030004		33-0016	SPENCE	-	55	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
305	07030004		33-0017	UNNAMED	-	35	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
306	07030004		33-0018	SELLS	-	64	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
307	07030004		33-0027	SPRING	-	16	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
308	07030004		33-0028	KNIFE	-	1039	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
309	07030004		58-0142	POKEGAMA	-	1474	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
310	07030004	001	58-0119	CROSS	-	1013	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
311	07030004	004	33-0015	MUD	-	214	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
312	07030004	014	33-0036	FISH	-	311	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
313	07030004	014	33-0040	ANN	-	653	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07030005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	AASUSW	ASUAL	A304L	A304MS	PKFOT	PKTIR	PKFRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIUN	NPDES
314	07030005		02-0026	LINWOOD	-	567	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
315	07030005		02-0034	MARTIN	-	218	NCHF	M		NS	NS	LONG			H				-	-	9	-	-	-		
316	07030005		13-0012	CHISAGO (NORTH BAY)	-	-	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
317	07030005		13-0012	CHISAGO (SOUTH BAY)	-	-	NCHF	M		NS	NS	LONG			H				-	-	9	-	-	-		
318	07030005		13-0027	SOUTH CENTER	-	836	NCHF	M		NS	NS	LONG			H				-	-	9	-	-	-		
319	07030005		13-0032	NORTH CENTER	-	726	NCHF	M		NS	NS	LONG			H				-	-	9	-	-	-	M	
320	07030005		13-0041	GREEN(LITTLE GREEN)	-	-	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
321	07030005		13-0041	GREEN(MAIN BASIN)	-	-	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
322	07030005		82-0031	NORTH TERRAPIN	-	85	NCHF	E		PS	PS	LONG			E				-	-	9	-	-	-		
323	07030005		82-0033	MAYS	-	25	NCHF	E		PS	PS	LONG			E				-	-	9	-	-	-		
324	07030005		82-0054	BONE	-	206	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
325	07030005		82-0159	FOREST	-	1098	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
326	07030005	031	13-0069	RUSH (EAST BAY) 5 M	-	-	NCHF	M		NS	NS	LONG			H				-	-	9	-	-	-		
327	07030005	031	13-0069	RUSH (WEST BAY) 6	-	-	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		

A304L=LONG A304M= A304S= HUC=07040001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	AASUSW	ASUAL	A304L	A304MS	PKFOT	PKTIR	PKFRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIUN	NPDES
328	07040001		19-0023	FARQUHAR	-	74	NCHF	E		NS	NS	LONG			H				-	-	9	-	-	-		
329	07040001		19-0026	MARION (EAST BAY) I	-	-	NCHF	M		PS	PS	LONG			E				-	-	9	-	-	-		
330	07040001		19-0026	MARION (MIDDLE BAY	-	200	NCHF	M		NS	NS	LONG			H				-	-	9	-	-	-		

A304L=LONG A304M= A304S= HUC=07040002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
331	07040002		19-0020	CHUB	-	261	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
332	07040002		40-0001	HORSESHOE	-	417	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
333	07040002		40-0009	SUNFISH	-	118	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
334	07040002		40-0013	DIAMOND	-	120	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
335	07040002		40-0033	VOLNEY 4 MI SE OF	-	283	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
336	07040002		40-0063	GERMAN	-	988	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
337	07040002		40-0092	JEFFERSON (NORTHEAS	-	-	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
338	07040002		40-0092	JEFFERSON (MIDDLE B	-	705	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
339	07040002		66-0018	ROBERDS	-	608	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
340	07040002		66-0027	CIRCLE	-	976	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
341	07040002		66-0029	FOX	-	308	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
342	07040002		66-0032	UNION	-	437	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
343	07040002		66-0039	MAZASKA	-	685	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
344	07040002		66-0052	CEDAR	-	872	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
345	07040002		66-0055	SHIELDS	-	877	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			
346	07040002		81-0014	CLEAR	-	652	WCBP	E		PS	PS	LONG					E					-	-	9	-	-	-			
347	07040002	015	66-0008	CANNON	-	1591	NCHF	M		NS	NS	LONG				-	H					-	-	9	-	-	-			
348	07040002	017	40-0002	UPPER SAKATAH	-	881	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
349	07040002	017	40-0031	TETONKA	-	1209	NCHF	E		NS	NS	LONG				-	H					-	-	9	-	-	-			
350	07040002	017	66-0047	HUNT	-	160	NCHF	M		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07080202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
351	07080202	011	24-0014	ALBERT LEA	-	2453	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
352	07080202	013	24-0018	FOUNTAIN (EAST BAY)	-	-	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=07080203

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
353	07080203		24-0030	STATE LINE	-	446	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07100001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASSUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
354	07100001		17-0022	COTTONWOOD	-	152	WCBP	E		NS	NS	LONG						H				-	-	9	-	-	-			
355	07100001		42-0047	YANKTON	-	382	NGP	M		NS	NS	LONG						H				-	-	9	-	-	-			
356	07100001		51-0082	CURRANT	-	394	NGP	M		NS	NS	LONG						H				-	-	9	-	-	-			
357	07100001		53-0020	EAST GRAHAM	-	523	WCBP	E		NS	NS	LONG						H				-	-	9	-	-	-			
358	07100001		53-0021	WEST GRAHAM	-	526	WCBP	M		NS	NS	LONG						H				-	-	9	-	-	-			
359	07100001	005	51-0040	BLOODY 4 MI N OF	-	267	WCBP	M		NS	NS	LONG						H				-	-	9	-	-	-			
360	07100001	005	51-0046	SHETEK 3 MI E OF	-	3351	WCBP	M		NS	NS	LONG					-	H				-	-	9	-	-	-			
361	07100001	006	51-0063	SARAH	-	1093	NGP	M		NS	NS	LONG						H				-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=07100003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASSUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
362	07100003		46-0096	CLEAR	-	273	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
363	07100003	019	46-0052	BRIGHT	-	648	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=09020101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASSUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
364	09020101	010	78-0025	TRAVERSE	-	11528	RRV	E		NS	NS	LONG				-	H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=09020102

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
365	09020102	005	75-0267	PETERSON SLOUGH	-	52	NGP	E		NS	NS	LONG					H					-	-	9	-	-	-			
366	09020102	005	75-0268	LUNDBERG	-	91	NGP	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=09020103

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
367	09020103		56-0138	EAST BATTLE	-	2040	NCHF	E		PS	PS	LONG					E					-	-	9	-	-	-			
368	09020103		56-0308	NO NAME	-	46	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
369	09020103		56-0476	MAINE	-	83	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			
370	09020103		56-0569	NORWAY (EAST BAY)	-	217	NCHF	M		PS	PS	LONG					E					-	-	9	-	-	-			
371	09020103	001	56-0945	ORWELL	-	396	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		
372	09020103	014	03-0273	PERCH 8 MI E OF D	-	40	NLF	M		NS	NS	LONG					H					-	-	9	-	-	-			
373	09020103	019	56-0309	SLAUGHTERHOUSE SLU	-	19	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=09020106

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
374	09020106	009	03-0647	STINKING	-	370	NCHF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=09020302

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
375	09020302		36-0018	BARTLETT	-	292	NLF	E		NS	NS	LONG					H					-	-	9	-	-	-	M		

A304L=LONG A304M= A304S= HUC=09030001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
376	09030001		69-0199	ED SHAVE	-	97	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
377	09030001	025	69-0065	MINISTER	-	50	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
378	09030001	025	69-0120	EVERETT	-	109	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=09030002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
379	09030002		69-0217	WEST ROBINSON	-	135	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
380	09030002		69-0457	NIGH	-	38	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
381	09030002		69-0588	PAULINE	-	62	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			
382	09030002		69-0590	MAUDE	-	88	NLF	E		NS	NS	LONG					H					-	-	9	-	-	-			
383	09030002		69-0598	ASTRID	-	109	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=09030006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
384	09030006		31-0329	LITTLE HORSESHOE	-	11	NLF	M		PS	PS	LONG					E					-	-	9	-	-	-			
385	09030006	016	31-0813	BOWSTRING	-	9220	NLF	E		PS	PS	LONG					E					-	-	9	-	-	-			

A304L=LONG A304M= A304S= HUC=10230003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
386	10230003			32-0024 LITTLE SPIRIT	-	572	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
387	10230003	053		32-0020 LOON 8 MI SW OF J	-	725	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
388	10230003	055		32-0022 CLEAR 3 MI W OF J	-	415	WCBP	M		NS	NS	LONG					H					-	-	9	-	-	-			
389	10230003	067		32-0069 ROUND	-	1024	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
390	10230003	068		53-0007 INDIAN	-	204	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			
391	10230003	084		53-0028 OKABENA AT WORTHI	-	974	WCBP	E		NS	NS	LONG					H					-	-	9	-	-	-			

A304L=LONG A304M=- A304S= HUC=04010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
392	04010201	030		ST LOUIS R	17.0	-		M	FS	PS	PS	LONG	-					F	-	-	-	-	-	-	-	-	-			
393	04010201	140		BARBER CK (E SWAN R)	14.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-	M		
394	04010201	531		ELBOW CK	3.6	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	-	-			
395	04010201	637		MANGANIKA CREEK	1.0	-		M	NS	-	NS	LONG	-						-	-	B	-	-	-	-	-	-	M		
396	04010201	640		EAST SWAN CREEK TRIB	7.3	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07010101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
397	07010101	004		MISSISSIPPI R	7.3	-	NLF	M	PS	FS	PS	LONG	-		Y			-	D	-	-	-	-	9	12	21	-			
398	07010101	005		MISSISSIPPI R	6.0	-		M	PS	FS	PS	LONG	-					-	D	-	-	-	-	-	-	-	-			
399	07010101	008		MISSISSIPPI R	-	-		M	PS	FS	PS	LONG	-					-	D	-	-	-	-	-	-	-	-			
400	07010101	033		MISSISSIPPI R	34.5	-	NLF	M	PS	FS	PS	LONG	-		Y	-		-	D	-	-	-	-	9	12	21	-			
401	07010101	427		MISSISSIPPI R	12.5	-	NLF	M	PS	FS	PS	LONG	-		Y			-	-	-	B	-	-	9	12	21	-	M		

A304L=LONG A304M=- A304S= HUC=07010103

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
402	07010103	513		TROUT CREEK	3.3	-	NLF	M	NS	FS	NS	LONG	-		Y			-	D	-	-	-	-	9	-	-	-	M		

A304L=LONG A304M=- A304S= HUC=07010104

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
403	07010104	027		ELK R	11	-		M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	-	-	M		
404	07010104	028		ELK R	11	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-	M		

A304L=LONG A304M=- A304S= HUC=07010107

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
405	07010107	107		UNION CREEK	5.5	-	CHF	M	NS	NS	NS	LONG	-		Y			F	D	-	-	-	-	9	12	21	-	M		
406	07010107	307		WHISKEY CREEK	3.9	-		M	NS	FS	NS	LONG	-					-	D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07010108

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
407	07010108	001		LONG PRAIRIE R	8	-		M	PS	PS	PS	LONG	-					F	D	-	-	-	-	-	-	-	-			
408	07010108	002		LONG PRAIRIE R	-	-		M	PS	PS	PS	LONG	-					F	D	-	-	-	-	-	-	-	-			
409	07010108	004		LONG PRAIRIE R	4	-		M	PS	PS	PS	LONG	-					F	D	-	-	-	-	-	-	-	-			
410	07010108	005		LONG PRAIRIE R	7	-		M	PS	PS	PS	LONG	-					F	D	-	-	-	-	-	-	-	-			
411	07010108	006		EAGLE CR	1	-		M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	-	-	M		

A304L=LONG A304M=- A304S= HUC=07010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
412	07010201	517		UNNAMED CK TO SOUTH TW	2.8	-		M	PS	-	PS	LONG	-						D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07010202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
413	07010202	003		GETCHELL CR	17.9	-	CHF	M	PS	-	PS	LONG	-		Y				-	-	B	-	-	9	-	21	-			
414	07010202	016		*B	13.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
415	07010202	105		ADLEY CR	8.7	-	CHF	M	PS	NS	NS	LONG	-		Y			F	-	-	B	-	-	9	-	21	-			
416	07010202	204		CD 44	11.4	-	CHF	M	PS	-	PS	LONG	-		Y					-	B	-	-	9	-	21	-			
417	07010202	602		CR TO SAUK RIVER	6.8	-		M	NS	-	NS	LONG	-							-	B	-	-	-	-	21	-			
418	07010202	802		STONY CREEK	12.7	-	CHF	M	FS	-	FS	LONG	-		Y				-	-	-	-	-	9	-	21	-			
419	07010202	902		KOLLING CREEK	3.1	-	CHF	M	PS	-	PS	LONG	-		Y					-	B	-	-	9	-	-	-			

A304L=LONG A304M=- A304S= HUC=07010204

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
420	07010204	016		*B	12	-		M	PS	-	PS	LONG	-						D	-	-	-	-	-	-	-	-	M		
421	07010204	116		GROVE CREEK TRIB	5	-		M	PS	FS	PS	LONG	-					-	D	-	-	-	-	-	-	-	-	M		
422	07010204	704		TRIB TO SPRING LAKE	0	-		M	PS	-	PS	LONG	-							-	B	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07010205

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTIR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
423	07010205	206		CROW R,S FK ABV HUTCHI	47.0	-		M	NS	FS	NS	LONG	-					-	D	-	B	-	-	-	-	-	-		
424	07010205	407		BUFFALO CREEK TRIB	1.9	-	WCBP	M	PS	NS	NS	LONG	-		Y			F	-	-	B	-	-	9	12	-	-	M	

A304L=LONG A304M=- A304S= HUC=07020001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUSFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTIR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
425	07020001	002		L QUI PARLE	16.1	-	NGP	M	FS	FS	PS	LONG	-		Y		-	-	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=07020003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUSFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTIR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
426	07020003	002		LAC QUI PARLE R	15.0	-		M	NS	-	NS	LONG	-					D	-	B	-	-	-	-	21	-			
427	07020003	013		CANBY CR	12.0	-		M	FS	-	NS	LONG	-					-	-	-	-	-	-	-	21	-			
428	07020003	014		LAZARUS CR	15.0	-		M	NS	-	NS	LONG	-					D	-	B	-	-	-	-	21	-			
429	07020003	215		CANBY CREEK	9.3	-		M	FS	-	NS	LONG	-					-	-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=07020004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSFI	ASUSW	ASUAL	A304L	A304M	A304S	POTI	PKFTIR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
430	07020004	002		BEAVER CR	9.0	-		M	NS	-	NS	LONG	-					D	-	-	-	-	-	-	-	-			
431	07020004	004		BEAVER CR, W FK	28.0	-		M	NS	-	NS	LONG	-					D	-	-	-	-	-	-	-	-			
432	07020004	022		YELLOW MEDICINE R	16.6	-	NGP	M	FS	NS	NS	LONG	-		Y		F	-	-	-	-	-	9	12	21	-			
433	07020004	103		BEAVER CREEK (CD 63)	7.7	-		M	NS	-	NS	LONG	-					D	-	-	-	-	-	-	-	-			
434	07020004	514		HAWK CREEK TRIB	1.5	-		M	FS	NS	NS	LONG	-				F	-	-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=07020005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
435	07020005	003		CHIPPEWA R	6.0	-		M	NS	-	NS	LONG	-						D			-	-	-	-	-	-	M		
436	07020005	004		CHIPPEWA R	11.0	-		M	NS	-	NS	LONG	-						D			-	-	-	-	-	-	M		
437	07020005	005		SHAKOPEE CR	4.0	-		M	NS	-	NS	LONG	-						D			-	-	-	-	-	-			
438	07020005	018		*B	11.0	-		M	PS	-	PS	LONG	-						D	-	-	-	-	-	-	21	-			
439	07020005	022		CHIPPEWA R	4.0	-		M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	-	-	M		
440	07020005	223		COTTONWOOD CK	4.9	-		M	NS	-	NS	LONG	-						D			-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07020006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
441	07020006	001		REDWOOD R	2	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=07020007

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
442	07020007	126		MINNEOPA CREEK	6	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	-	21	-			
443	07020007	226		MINNEOPA CREEK	4	-		M	NS	-	NS	LONG	-						-	-	B	-	-	-	-	-	-	M		
444	07020007	426		MINNEOPA CREEK	7	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07020008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
445	07020008	001		COTTONWOOD R	19.9	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=07020009

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
446	07020009	004		ELM CR	30.4	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			
447	07020009	013		BLUE EARTH R	4.0	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	21	-	M		
448	07020009	014		SOUTH CR	34.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
449	07020009	015		BLUE EARTH R	8.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	21	-			
450	07020009	017		BADGER CR	18.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
451	07020009	019		BLUE EARTH R	4.2	-	WCBP	M	PS	NS	NS	LONG	-		Y			F	D	-	-	-	-	9	-	21	-			
452	07020009	020		BLUE EARTH R, W BR	21.0	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	-	-			
453	07020009	021		BLUE EARTH R	32.0	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	-	21	-			
454	07020009	022		COON CR	22.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
455	07020009	023		BLUE EARTH R, E BR	25.0	-		M	NS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=07020010

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
456	07020010	001		WATONWAN R	12.9	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			
457	07020010	109		ST JAMES CREEK	11.4	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=07020011

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
458	07020011	114		TRIB TO LEUEUR R	1	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
459	07020011	202		PROVIDENCE CR (JD 49)	2	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07020012

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSF	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTI	PKFTR	PKFCO	PKDON	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	INS	NPDES
460	07020012	005		BEVENS CR	2.0	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	21	-			
461	07020012	006		BEVENS CR	18.0	-		M	PS	-	PS	LONG	-						D	-	-	-	-	-	21	-			
462	07020012	007		SILVER CR	12.0	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	21	-			
463	07020012	022		SAND CR	8.0	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	21	-			
464	07020012	024		RAVEN STREAM	13.1	-	CHF	M	FS	-	PS	LONG	-		Y				-	-	-	-	-	9	12	21	-	M		
465	07020012	117		M BR RUSH RIVER	17.0	-		M	FS	-	NS	LONG	-						-	-	-	-	-	-	21	-			
466	07020012	118		DITCH,CD 40A,JD 1A	17.0	-		M	FS	FS	NS	LONG	-					-	-	-	-	-	-	-	21	-			
467	07020012	218		SO UNNAMED D TO CD-40A	3.8	-		M	FS	-	NS	LONG	-						-	-	-	-	-	-	21	-			
468	07020012	317		CD 42	2.0	-		M	FS	-	NS	LONG	-						-	-	-	-	-	-	21	-			
469	07020012	417		CD 42	1.0	-		M	FS	-	NS	LONG	-						-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=07030003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUSF	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTI	PKFTR	PKFCO	PKDON	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
470	07030003	001		KETTLE R	15	-	NLF	M	FS	PS	PS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-		

A304L=LONG A304M=- A304S= HUC=07030005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUSF	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTI	PKFTR	PKFCO	PKDON	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
471	07030005	333		BEAVER CREEK	6.8	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07040002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
472	07040002	001		CANNON R	9.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
473	07040002	002		CANNON R	11.0	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-		
474	07040002	020		CRANE CR	17.0	-		M	NS	-	NS	LONG	-						D		-	-	-	-	-	-	-		
475	07040002	021		STRAIGHT R	4.7	-	WCBP	M	FS	NS	NS	LONG	-		Y	-		F	-	-	-	-	-	9	-	21	-	M	
476	07040002	617		DRAINAGE DT TO VOLNEY	0.0	-		M	FS	-	FS	LONG	-								-	-	-	-	-	21	-		

A304L=LONG A304M=- A304S= HUC=07040003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
477	07040003	002		MISSISSIPPI R	1.0	-		M	PS	PS	PS	LONG	-					F	-	-	B	-	-	-	-	-	-			
478	07040003	007		MISSISSIPPI R	-	-		M	PS	PS	PS	LONG	-					F	-	-	B	-	-	-	-	-	-			
479	07040003	120		N FK WHITEWATER R	13.0	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	-	21	-			
480	07040003	122		S FK WHITEWATER R	11.5	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
481	07040003	220		N FK WHITEWATER R	4.0	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	-	-	M		
482	07040003	223		UNNAMED CREEK	2.0	-		M	NS	NS	NS	LONG	-					F	-	-	B	-	-	-	-	-	-			
483	07040003	323		PETERSON CREEK	2.6	-		M	NS	NS	NS	LONG	-					F	-	-	B	-	-	-	-	-	-			
484	07040003	420		CR TO N FK WHITEWATER	4.9	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
485	07040003	423		ROLLINGSTONE CREEK	14.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
486	07040003	623		SCHOENIGER VALLEY CREE	3.5	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07040004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
487	07040004	009		ZUMBRO R, M FK	5	-		M	NS	-	NS	LONG	-						-		B	-	-	-	-	-	-			
488	07040004	016		ZUMBRO R, S FK	11	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-	M		

A304L=LONG A304M=- A304S= HUC=07040006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
489	07040006	008		MISSISSIPPI R	11	-		M	PS	PS	PS	LONG	-					F	-	-	B	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07040008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
490	07040008	121		CURTIS CREEK	2.5	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			
491	07040008	244		WEISEL CREEK	7.7	-		M	FS	NS	NS	LONG	-					F	-		-	-	-	-	-	-	-			
492	07040008	245		RICEFORD CREEK	7.0	-		M	FS	-	FS	LONG	-						-	-	-	-	-	-	-	21	-			
493	07040008	445		RICEFORD CREEK	2.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07060001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
494	07060001	017		MISSISSIPPI R	8.0	-		M	PS	PS	PS	LONG	-					F	-	-	B	-	-	-	-	-	-			
495	07060001	122		CROOKED CREEK S FK	-	-		M	FS	NS	NS	LONG	-					F	-		-	-	-	-	-	-	-			
496	07060001	222		CROOKED CREEK S FK	4.3	-		M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=07080201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
497	07080201	023		CEDAR R	21.6	-		M	PS	-	PS	LONG	-			-			D	-	-	-	-	-	-	-	-	M		
498	07080201	209		LITTLE CEDAR R TRIB	5.0	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	-	-			
499	07080201	321		CEDAR R ABV UPPER AUST	4.9	-	WCBP	M	FS	NS	NS	LONG	-		Y	-		F	-	-	-	-	-	9	12	21	-			
500	07080201	322		ROBERTS CREEK	7.1	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
501	07080201	323		CEDAR RIVER E FK	3.7	-	WCBP	M	NS	NS	NS	LONG	-		Y			F	D	-	-	-	-	9	12	21	-	M		
502	07080201	522		TRIB TO ROBERTS CREEK	0.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07080202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
503	07080202	012		ALBERT LEA L	5	-		M	NS	-	NS	LONG	-						D			-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=07100001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
504	07100001	131		OKABENA CREEK	11.0	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-	M		
505	07100001	231		OKABENA CREEK	8.3	-		M	PS	NS	NS	LONG	-					F	D	-	B	-	-	-	-	-	-	M		

A304L=LONG A304M=- A304S= HUC=07100002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
506	07100002	013		DES MOINES R	26.8	-	WCBP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=07100003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
507	07100003	021		DES MOINES R, E BR	28.5	-	WCBP	M	PS	NS	NS	LONG	-		Y			F	D	-	-	-	-	9	12	21	-	M		
508	07100003	221		E BR DES MOINES TRIB	5.2	-		M	NS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09020101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
509	09020101	114		RABBIT R	22.4	-	RRV	M	PS	FS	NS	LONG	-		Y			-	D	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=09020102

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
510	09020102	101		EIGHTEEN MILE CREEK	12.2	-		M	NS	-	NS	LONG	-						D	-	-	-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=09020103

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
511	09020103	006		OTTER TAIL R	20.0	-		M	PS	FS	PS	LONG	-					-	-	-	B	-	-	-	-	-	-			
512	09020103	101		OTTERTAIL RIVER	27.0	-	RRV	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	-	21	-			
513	09020103	301		OTTERTAIL RIVER	7.5	-	RRV	M	FS	PS	PS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09020104

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
514	09020104	006		WHISKEY CR	14.3	-	RRV	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	-	21	-			

A304L=LONG A304M=- A304S= HUC=09020301

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
515	09020301	013		SAND HILL CR	51	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09020303

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
516	09020303	007		RED LAKE R	23	-		M	FS	PS	PS	LONG	-					F	-	-	-	-	-	-	-	-	-			
517	09020303	009		RED LAKE R	7	-		M	FS	PS	PS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09020305

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
518	09020305	009		POPLAR R	39	-		M	FS	-	NS	LONG	-						-			-	-	-	-	21	-			

A304L=LONG A304M=- A304S= HUC=09020309

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
519	09020309	001		SNAKE R	5.4	-	RRV	M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	21	-			
520	09020309	011		MIDDLE R	64.0	-		M	NS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09020312

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
521	09020312	003		TWO RIVERS	11	-	RRV	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	-	-	-			
522	09020312	004		TWO RIVERS, S BR	59	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
523	09020312	005		TWO RIVERS, M BR	27	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09020314

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
524	09020314	003		ROSEAU R	8.0	-		M	FS	PS	PS	LONG	-					F	-	-	-	-	-	-	-	-	-			
525	09020314	004		ROSEAU R, S FK	34.0	-		M	FS	PS	PS	LONG	-					F	-	-	-	-	-	-	-	-	-			
526	09020314	005		ROSEAU R	38.4	-	NMW	M	FS	PS	PS	LONG	-		Y			F	-	-	-	-	-	9	12	-	-			

A304L=LONG A304M=- A304S= HUC=09030001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
527	09030001	011		STONY R	36.8	-	NLF	M	NS	FS	NS	LONG	-		Y			-	-	-	-	-	-	9	-	21	-			
528	09030001	013		KAWISHIWI R	5.1	-	NLF	M	PS	FS	PS	LONG	-		Y			-	-	-	-	-	-	9	12	-	-			
529	09030001	105		KEELY CREEK	6.2	-		M	NS	-	NS	LONG	-								-	-	-	-	-	-	-			
530	09030001	541		BEAR ISLAND R	8.1	-	NLF	M	NS	FS	NS	LONG	-		Y			-	-	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=09030002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
531	09030002	322		EAST TWO RIVER	0.6	-		M	FS	-	FS	LONG	-							-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09030004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
532	09030004	313		MOONLIGHT CREEK	2	-		M	FS	NS	NS	LONG	-					F				-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=09030005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
533	09030005	019		LITTLE FORK R	17.6	-	NLF	M	NS	NS	NS	LONG	-		Y			F	D	-	-	-	-	9	12	21	-	M		

A304L=LONG A304M=- A304S= HUC=09030008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
534	09030008	002		WINTER ROAD R	5.3	-	NMW	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	-	-	-			
535	09030008	003		WINTER ROAD R	11.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
536	09030008	004		PEPPERMINT CR	4.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			
537	09030008	006		BAUDETTE R	3.1	-	NMW	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-			

A304L=LONG A304M=- A304S= HUC=10170203

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
538	10170203	132		SPLIT ROCK CK	12	-		M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	-	-			

A304L=LONG A304M=- A304S= HUC=10170204

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
539	10170204	025		ROCK R	12.9	-	NGP	M	FS	NS	NS	LONG	-		Y			F	-	-	-	-	-	9	12	21	-	M		
540	10170204	026		ELK CR	15.0	-		M	PS	NS	NS	LONG	-					F	D	-	-	-	-	-	-	21	-			
541	10170204	235		ROCK RIVER	3.0	-		M	FS	NS	NS	LONG	-					F	-	-	-	-	-	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=04010101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
542	04010101		16-0029	DEVILFISH	-	398.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
543	04010101		16-0049	TROUT	-	257.0	NLF	M		FS	FS	LONG	MEDIUM			A	O					3	-	-	-	-	-			
544	04010101		16-0146	E. BEARSKIN	-	643.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
545	04010101		16-0182	BALL CLUB	-	188.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
546	04010101		16-0202	SQUINT	-	18.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
547	04010101		16-0220	MORGAN	-	82.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
548	04010101		16-0235	MCDONALD	-	99.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
549	04010101		16-0239	POPLAR	-	755.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
550	04010101		16-0347	LITTLE CASCADE	-	262.0	NLF	E		FS	FS	LONG	MEDIUM			A	O					-	5	-	-	-	-			
551	04010101		16-0406	HOMER	-	516.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
552	04010101		16-0435	DAVIS	-	465.0	NLF	E		FS	FS	LONG	MEDIUM			A	O					-	5	-	-	-	-			
553	04010101		16-0645	TOOHEY	-	406.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
554	04010101		16-0805	ELBOW (MAIN BAY)	-	516.0						LONG	MEDIUM			A						-	5	-	-	-	-			
555	04010101		16-0806	FREAR	-	277.0						LONG	MEDIUM			A						-	5	-	-	-	-			
556	04010101		38-0047	WILSON	-	622.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
557	04010101		38-0393	DUMBELL	-	476.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
558	04010101	006	16-0346	CASCADE	-	435.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
559	04010101	006	16-0360	CARIBOU	-	728.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
560	04010101	007		L SUPERIOR, U.S. SHORE	14.6	14.6	NLF	M	NS	FS	NS	LONG	MEDIUM			Y		-	-	-	-	-	5	9	-	-	7	M		MN0020010
561	04010101	017	16-0077	GREENWOOD	-	1783.0	NLF	M		FS	FS	LONG	MEDIUM			A	O					-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=04010101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUSL	A304L	A304M	A304S	POST	PKFIR	PKFRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
562	04010101	018	16-0089	NORTHERN LIGHT	-	433	NLF	E	FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-			
563	04010101	024	16-0143	DEVIL TRACK	-	1873	NLF	E	FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-			
564	04010101	026	16-0104	MUSQUASH	-	141	NLF	E	FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-			
565	04010101	026	16-0156	TWO ISLAND	-	794	NLF	E	FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-			
566	04010101	029	16-0348	BRULE	-	4162	NLF	M	FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-			
567	04010101	029	16-0412	NORTH CONE	-	86	NLF	M	FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-			
568	04010101	038	16-0454	CRESCENT	-	836	NLF	E	FS	FS	LONG	MEDIUM		A	E				-	5	-	-	-	-			
569	04010101	041	16-0496	SAWBILL	-	944	NLF	E	FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=04010102

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUSL	A304L	A304M	A304S	POST	PKFIR	PKFRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
570	04010102		38-0406	LAX	-	274.0	NLF	E	FS	FS	LONG	MEDIUM			A	E			-	5	-	-	-	-			
571	04010102		38-0750	CHRISTIANSON	-	158.0	NLF	M	FS	FS	LONG	MEDIUM			A	E			-	5	-	-	-	-			
572	04010102	005		L SUPERIOR, U.S. SHORE	13.0	13.2		M	FS	FS	FS	LONG	MEDIUM				-	-	-	-	-	-	-	7	M		MN0022250
573	04010102	008		L SUPERIOR, U.S. SHORE	8.6	8.6	NLF	M	FS	FS	FS	LONG	MEDIUM		Y		-	-	-	-	-	9	-	-	7	M	MN0024899
574	04010102	012		KNIFE R	13.0	13.3		M	FS	FS	FS	LONG	MEDIUM				-	-	-	-	-	-	-	-	7	M	MN0052230
575	04010102	014		FRENCH R	-	-		M	NS	FS	NS	LONG	MEDIUM				-	-	-	-	-	5	-	-	-	-	

A304L=LONG A304M=MEDIUM A304S= HUC=04010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUSL	A304L	A304M	A304S	POST	PKFIR	PKFRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
576	04010201		09-0032	BIG	-	507.0	NLF	M	FS	FS	LONG	MEDIUM			A	M			-	5	-	-	-	-			
577	04010201		69-0254	BEAR HEAD	-	674.0	NLF	E	FS	FS	LONG	MEDIUM			A	M			-	5	-	-	-	-			
578	04010201		69-0562	COE	-	51.0	NLF	M	FS	FS	LONG	MEDIUM			A	E			-	5	-	-	-	-			
579	04010201		69-0857	LONGYEAR (S. BAY)	-	70.0					LONG	MEDIUM			A				-	5	-	-	-	-			
580	04010201	003		ST LOUIS R	6.0	6.0		M	FS	NS	NS	LONG	MEDIUM		A		F	-	-	-	3	5	-	-	-	7	M	MN0049786
581	04010201	006		ST. LOUIS BAY ON ST. L	5.4	-		M	FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-	
582	04010201	010	09-0001	THOMSON RESERVOIR	-	384.0						LONG	MEDIUM		A				-	5	-	-	-	-			
583	04010201	013		ST LOUIS R	9.5	-	NLF	M	FS	FS	FS	LONG	MEDIUM		Y	A	-	-	-	-	-	5	9	12	21	-	
584	04010201	014		ST LOUIS R	1.5	-		M	FS	FS	FS	LONG	MEDIUM			A	-	-	-	-	-	5	-	-	-	-	
585	04010201	016		ST LOUIS R	0.2	-		M	FS	FS	FS	LONG	MEDIUM			A	-	-	-	-	-	5	-	-	-	-	

A304L=LONG A304M=MEDIUM A304S= HUC=04010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PPOT	PKFI	PKTR	PKFC	PKDC	PKDO	PKAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
586	04010201	017		ST LOUIS R	19.2	-		M	FS	FS	FS	LONG	MEDIUM			A		-	-	-	-	-	5	-	-	-	-				
587	04010201	026	69-0375	WHITEFACE RESVR.	-	5600.0						LONG	MEDIUM			A							-	5	-	-	-	-			
588	04010201	041		WEST SWAN RIVER	-	26.4		E	FS		FS	LONG	MEDIUM										-	-	-	-	-	7	M		MN0030988
589	04010201	109			4.5	-			FS		FS	LONG	MEDIUM			A							3	5	-	-	-	-			
590	04010201	111			0.6	-			FS		FS	LONG	MEDIUM			A							3	-	-	-	-	-			
591	04010201	132		TRIB TO ST LOUIS RIVER	-	1.0		E	FS		FS	LONG	MEDIUM										-	-	-	-	-	7	M		MN0020494
592	04010201	134	69-0376	WHITEWATER	-	1210.0	NLF	E		FS	FS	LONG	MEDIUM			A	E						-	5	-	-	-	7	M		MN0020206
593	04010201	337		EAST TWO RIVER	-	3.5		E	FS		FS	LONG	MEDIUM										-	-	-	-	-	7	M		MN0040835
594	04010201	437		EAST TWO RIVER	2.0	-		M	NS	-	NS	LONG	MEDIUM							D	N	B	-	-	-	-	-	-	M		
595	04010201	540		PENOBSCOT CREEK	3.4	3.4	NLF	M	FS	NS	NS	LONG	MEDIUM		Y			F	-	-	-	-	-	9	12	21	7	M		MN0030627
596	04010201	740		EAST SWAN CREEK	7.8	7.8	NLF	M	NS	NS	NS	LONG	MEDIUM		Y			F	D	N	-	-	5	9	12	21	7	M		MN0030643

A304L=LONG A304M=MEDIUM A304S= HUC=04010202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PPOT	PKFI	PKTR	PKFC	PKDC	PKDO	PKAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
597	04010202		38-0651	KANE	-	110	NLF	M		FS	FS	LONG	MEDIUM			A	M						-	5	-	-	-	-			
598	04010202		69-0041	BASSETT	-	453						LONG	MEDIUM			A							-	5	-	-	-	-			
599	04010202		69-0951	UNNAMED (MINARS)	-	10						LONG	MEDIUM			A							-	5	-	-	-	-			
600	04010202	004	69-0491	FISH	-	3071	NLF	M		FS	FS	LONG	MEDIUM			A	E						-	5	-	-	-	-			
601	04010202	008	69-0372	ISLAND	-	1715						LONG	MEDIUM			A							-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=04010301

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PPOT	PKFI	PKTR	PKFC	PKDO	PKAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
602	04010301		09-0016	SAND	-	123	NLF	M		FS	FS	LONG	MEDIUM			A	E						-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=04020300

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
603	04020300			SUPERIOR	S O	-	-	M	FS		FS	LONG	MEDIUM			A						3	-	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07010101

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
604	07010101		04-0030	CASS	-	29775	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-	M		
605	07010101		04-0120	GULL	-	2243						LONG	MEDIUM			A						-	5	-	-	-	-			
606	07010101		31-0717	RICE	-	830						LONG	MEDIUM			A						-	5	-	-	-	-			
607	07010101	003	31-0532	POKEGAMA (MAIN)	-	3180	NLF	M		FS	FS	LONG	MEDIUM			A	O					-	5	-	-	-	-			
608	07010101	007	31-0719	DEER	-	3926	NLF	M		FS	FS	LONG	MEDIUM			A	O					-	5	-	-	-	-			
609	07010101	010	31-0812	BALL CLUB	-	3936	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
610	07010101	013	31-0857	CUT FOOT SIOUX (MAI	-	2128	NLF	E		PS	PS	LONG	MEDIUM			A	E					-	5	9	-	-	-			
611	07010101	027	04-2001	STUMP	-	200						LONG	MEDIUM			A						-	5	-	-	-	-			
612	07010101	029	04-0130	BEMIDJI	-	6420	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07010102

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
613	07010102		11-0116	STEVENS	-	88	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
614	07010102		29-0066	MIDGE	-	588	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
615	07010102	006	11-0203	LEECH (MAIN BASIN)	-	109175						LONG	MEDIUM			A						-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07010103

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKFR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INP	NPDES
616	07010103		01-0033	MINNEWAWA	-	2513.0	NLF	M		PS	PS	LONG	MEDIUM			A	E					-	5	9	-	-	-			
617	07010103		01-0062	BIG SANDY 10 MI N	-	6571.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
618	07010103		01-0070	ROUND	-	186.0						LONG	MEDIUM			A						-	5	-	-	-	-			
619	07010103		01-0142	HILL (MAIN BASIN) A	-	750.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
620	07010103		31-0047	HORSEHEAD	-	18.0						LONG	MEDIUM			A						-	5	-	-	-	-			
621	07010103		31-0069	BUCK 10 MI N OF N	-	492.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
622	07010103		31-0106	OX HIDE	-	130.0						LONG	MEDIUM			A						-	5	-	-	-	-			
623	07010103		31-0108	SNOWBALL	-	196.0						LONG	MEDIUM			A						-	5	-	-	-	-			
624	07010103		31-0216	TROUT	-	1890.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-	M		
625	07010103		31-0260	WHITE SWAN	-	148.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
626	07010103		31-0392	WABANA	-	2133.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
627	07010103		31-0416	BLACK ISLAND	-	102.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
628	07010103		31-0417	NOSE	-	96.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
629	07010103		69-0923	HOBSON	-	66.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
630	07010103	001			0.5	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
631	07010103	002			17.1	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
632	07010103	009	09-0067	TAMARACK	-	228.0	NLF	M		NS	NS	LONG	MEDIUM			A	H					-	5	9	-	-	-			
633	07010103	010	69-0848	PRAIRIE	-	853.0	NLF	E		PS	PS	LONG	MEDIUM			A	E					-	5	9	-	-	-			
634	07010103	012		MISSISSIPPI R	21.7	-	NLF	M	FS	FS	FS	LONG	MEDIUM		Y	A		F	-	-	-	-	5	9	12	21	-			
635	07010103	017	31-0067	SWAN (MAIN BASIN)	-	9.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-	M		
636	07010103	022			7.7	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
637	07010103	023		MISSISSIPPI R	15.6	-		M	FS	FS	FS	LONG	MEDIUM			A		-	-	-	-	-	5	-	-	-	-			
638	07010103	026	31-0384	PRAIRIE	-	991.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
639	07010103	131		MISSISSIPPI RIVER	2.8	2.8		E	FS		FS	LONG	MEDIUM			A						-	5	-	-	-	7	M		MN0022080
640	07010103	219		WELCOME CREEK	-	8.0		M	FS	-	FS	LONG	MEDIUM							-	-	-	-	-	-	-	7	M		MN0022012
641	07010103	331			3.4	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07010104

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKFR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INP	NPDES
642	07010104		01-0099	GUN	-	760.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
643	07010104		01-0136	WAUKENABO	-	644.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
644	07010104		01-0159	FARM ISLAND	-	2054.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
645	07010104		01-0170	HANGING KETTLE	-	302.0	NLF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
646	07010104	E26		SERPENT CREEK	-	2.6		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0020311
647	07010104	F26	18-0433		-	25.0		E				LONG	MEDIUM									-	-	-	-	-	7	M		MN0030511
648	07010104	001		MISSISSIPPI R	4.2	-		M	FS	FS	FS	LONG	MEDIUM			A		F	-	-	-	3	5	-	-	-	-			
649	07010104	014			18.3	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
650	07010104	015		MISSISSIPPI RIVER	3.3	3.3		E	FS		FS	LONG	MEDIUM			A						-	5	-	-	-	7	M		MN0020095
651	07010104	024			8.3	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07010104

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUF	ASUW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKTRC	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
652	07010104	025	01-0147	ESQUAGAMAH	-	835.0	NLF	M		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-			
653	07010104	026	18-0145	RICE	-	434.0						LONG	MEDIUM			A					-	5	-	-	-	-			
654	07010104	029		LITTLE ELK R	11.0	11.8		M	NS	NS	NS	LONG	MEDIUM					F	D	-	-	-	-	-	-	7	M		MN0024562
655	07010104	030		SWAN R	28.4	28.4	CHF	M	FS	NS	NS	LONG	MEDIUM		Y			F	-	-	-	-	9	-	-	7	M		MN0020109
656	07010104	102		MISSISSIPPI RIVER	4.4	4.4		E	FS		FS	LONG	MEDIUM			A					3	5	-	-	-	7	M		MN0020761
657	07010104	126		MISSISSIPPI RIVER	-	13.2		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0049328
658	07010104	202		MISSISSIPPI RIVER	-	2.6		M	FS		FS	LONG	MEDIUM								-	-	-	-	21	-		I	MN0000302
659	07010104	226			20.5	-			FS		FS	LONG	MEDIUM			A					-	5	-	-	-	-			
660	07010104	726		IRONTON CREEK	-	4.2		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0032913

A304L=LONG A304M=MEDIUM A304S= HUC=07010105

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUF	ASUW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKTRC	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
661	07010105		11-0059	WASHBURN	-	1768.0	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-			
662	07010105		18-0186	PERRY	-	144.0	NLF	E		PS	PS	LONG	MEDIUM			A	E				-	5	9	-	-	-			
663	07010105		18-0206	PAPOOSE	-	94.0	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-			
664	07010105		18-0308	PELICAN	-	8253.0	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-	M		
665	07010105		18-0352	OSSAWINNAMAKEE	-	644.0	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-			
666	07010105	007	18-0310	WHITEFISH	-	7370.0	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-			
667	07010105	109		NORWAY BROOK	-	37.3		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0046388

A304L=LONG A304M=MEDIUM A304S= HUC=07010106

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUF	ASUW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKTRC	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
668	07010106	004	11-0305	GULL	-	9541.0	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-			
669	07010106	005	11-0216	AGATE	-	150.0						LONG	MEDIUM			A					-	5	-	-	-	-			
670	07010106	030		FISH HOOK R	-	7.3		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0020087
671	07010106	034		BLUEBERRY RIVER	-	16.6		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0024139

A304L=LONG A304M=MEDIUM A304S= HUC=07010107

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
672	07010107	207		UNION CREEK	-	5		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0020672

A304L=LONG A304M=MEDIUM A304S= HUC=07010108

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
673	07010108	111		SLOUGH TO LAKE WINONA	-	0.3		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0040738

A304L=LONG A304M=MEDIUM A304S= HUC=07010201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
674	07010201	001			2.4	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
675	07010201	002		MISSISSIPPI RIVER	-	4.6		M	FS		FS	LONG	MEDIUM									-	-	-	-	21	-		I	MN0000973
676	07010201	008		SKUNK RIVER	-	10.6		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0024503
677	07010201	017		S TWO R	10.9	10.9	CHF	M	NS	NS	NS	LONG	MEDIUM			Y			F	D	-	-	-	-	9	-	-	7	M	MN0023710

A304L=LONG A304M=MEDIUM A304S= HUC=07010202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASFI	ASUS	ASLL	A304L	A304M	A304ST	PKOFTI	PKKTIR	PKKFRC	PKKDCO	PKKAON	PKKPHB	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	IN	NPDES
678	07010202		73-0157	HORSESHOE	-	995.0	NCHF	M		NS	NS	LONG	MEDIUM		A	H					-	5	9	-	-	-	M		
679	07010202		77-0150	SAUK(NORTH BAY)	-	1611.0	NCHF	M		PS	PS	LONG	MEDIUM		A	E					-	5	9	-	-	-			
680	07010202	B02		VAILS,EDEN,CR,NBROWNS,	7.3	-	CHF	M	NS	-	NS	LONG	MEDIUM	Y					N	B	-	-	9	12	21	-	M		
681	07010202	001		SAUK R	13.3	-	CHF	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	3	5	9	12	21	-			
682	07010202	004		SAUK R	9.1	-	CHF	M	PS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	B	-	5	9	-	21	-	M		
683	07010202	013	77-0215	OSAKIS AT OSAKIS	-	6758.0	NCHF	M		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-	M		
684	07010202	102		SAUK R BLW COLD SPRING	5.5	5.5	CHF	M	NS	NS	NS	LONG	MEDIUM	Y	A		F	-	N	B	-	5	9	12	21	7	M		MN0023094
685	07010202	106		SAUK R BLW MELROSE DAM	2.6	2.6	CHF	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	-	5	9	-	21	7	M		MN0020290
686	07010202	106		SAUK RIVER	-	2.6		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0024821
687	07010202	202		SAUK R ABV COLD SPRING	36.2	36.2	CHF	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	-	5	9	-	21	7	M		MN0024597
688	07010202	206		SAUK ABV MELROSE DAM	16.0	-	CHF	M	PS	PS	PS	LONG	MEDIUM	Y	A		F	-	N	B	3	5	9	12	21	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07010203

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASFI	ASUS	ASLL	A304L	A304M	A304ST	PKOFTI	PKKTIR	PKKFRC	PKKDCO	PKKAON	PKKPHB	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	IN	NPDES
689	07010203		86-0251	PLEASANT	-	639.0	NCHF	M		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-			
690	07010203	001		MISSISSIPPI R	5.3	-		M	FS	NS	NS	LONG	MEDIUM		A		F	-	-	-	3	5	-	-	-	-			
691	07010203	002		ELK RIVER	-	14.5		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0020788
692	07010203	009		MISSISSIPPI R	29.8	29.8	CHF	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	3	5	9	-	21	7	M		MN0020567
693	07010203	009		MISSISSIPPI RIVER	-	29.8		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0041076
694	07010203	110		MISSISSIPPI RIVER	12.2	12.2		E	FS		FS	LONG	MEDIUM		A						3	5	-	-	-	7	M		MN0040878
695	07010203	210		MISS R ABV ST CLOUD DA	3.5	-	CHF	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	3	5	9	-	21	-			
696	07010203	309	86-0026		-	128.0		E				LONG	MEDIUM								-	-	-	-	-	7	M		MN0050954

A304L=LONG A304M=MEDIUM A304S= HUC=07010204

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUSL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INPDES
697	07010204	001		CROW R	23	23.0	CHF	M	FS	NS	NS	LONG	MEDIUM		Y		F	-	-	-	-	-	9	12	21	7	M	MN0024627
698	07010204	002		CROW R, N FK	10	10.5		M	FS	PS	PS	LONG	MEDIUM				F	-	-	-	-	-	-	-	-	7	M	MN0040649
699	07010204	004		N FK CROW RIVER	-	33.4		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0049204
700	07010204	017		JEWETT CR	7	7.8		M	NS	NS	NS	LONG	MEDIUM				F	D	N	-	-	-	-	-	-	7	M	MN0023973
701	07010204	104	86-0097	CARRIGAN	-	162.0	NCHF	E		NS	NS	LONG	MEDIUM			H					-	-	9	-	-	7	M	MN0021326
702	07010204	204	86-0185		-	51.0		E				LONG	MEDIUM								-	-	-	-	-	7	M	MN0023744
703	07010204	220		MUD LAKE	-	1.1		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0024082
704	07010204	504		SPRING LAKE OUTLET	0	-		M	NS	-	NS	LONG	MEDIUM						N	B	-	-	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07010205

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUSL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INPDES
705	07010205	001		S FK CROW RIVER	-	25.2		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0020940
706	07010205	004		S FK CROW R AT CSAH-2	10.2	-		M	FS		FS	LONG	MEDIUM			A					-	5	-	-	-	-		
707	07010205	007		BUFFALO CR	40.9	40.9	WCBP	M	PS	NS	NS	LONG	MEDIUM		Y	A		F	D	-	-	5	9	12	21	7	M	MN0022233
708	07010205	007		BUFFALO CREEK	-	40.9		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0022951
709	07010205	007		BUFFALO CREEK	-	40.9		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0025003
710	07010205	106		CROW R,S FK BLW HUTCHI	16.3	16.3	WCBP	M	PS	PS	PS	LONG	MEDIUM		Y	A		F	-	N	-	5	9	12	21	7	M	MN0020265
711	07010205	201		SLOUGH TO SPURZEM CR	-	1.0		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0023990
712	07010205	205	43-0034	SILVER	-	500.0	WCBP	E		PS	PS	LONG	MEDIUM				E				-	-	9	-	-	7	M	MN0024902
713	07010205	602	43-0014	SOUTH	-	216.0	NCHF	E		NS	NS	LONG	MEDIUM				H				-	-	9	-	-	7	M	MN0021571

A304L=LONG A304M=MEDIUM A304S= HUC=07010206

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304STOPT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
714	07010206		27-0016	HARRIET	-	353.0	NCHF	M		FS	FS	LONG	MEDIUM		A	M					3	-	-	-	-	-		
715	07010206		27-0137	CHRISTMAS	-	276.0	NCHF	M		FS	FS	LONG	MEDIUM		A	M					3	5	-	-	-	-		
716	07010206	001	19-0079	PICKERAL	-	52.0						LONG	MEDIUM		A						-	5	-	-	-	-		
717	07010206	001	62-0004	PIGSEYE	-	511.0	NCHF	E		NS	NS	LONG	MEDIUM		A	H					3	-	9	-	-	-		
718	07010206	005			0.4	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
719	07010206	006		MISSISSIPPI R. USH-169	8.3	8.3		M	FS		FS	LONG	MEDIUM		A						3	5	-	-	-	7	M	MN0029921
720	07010206	008	27-0133	MINNETONKA (GRAYS B	-	188.0	NCHF	M		FS	FS	LONG	MEDIUM		A	E					3	-	-	-	-	-		
721	07010206	008	27-0133	MINNETONKA (LOWER L	-	6128.0	NCHF	M		FS	FS	LONG	MEDIUM		A	M					3	-	-	-	-	-		
722	07010206	101			3.7	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
723	07010206	102			3.8	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
724	07010206	104			1.0	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
725	07010206	201		MISSISSIPPI R ABV LOCK	14.8	14.8	WCBP	M	PS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	3	5	9	-	21	-	M	I MN0000256
726	07010206	201		MISSISSIPPI RIVER	-	14.8		M	FS		FS	LONG	MEDIUM								-	-	-	-	21	-		I MN0000418
727	07010206	201		SPRING LK-MISSISSIPPI	-	14.8		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0025488
728	07010206	202			5.5	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
729	07010206	204			4.8	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
730	07010206	301		MISSISSIPPI RIVER	4.9	4.9		E	FS		FS	LONG	MEDIUM		A						3	5	-	-	-	7	M	MN0029904
731	07010206	302		MISS R ABV ST ANTHONY	11.8	-	CHF	M	PS	PS	PS	LONG	MEDIUM	Y	A		F	-	-	-	3	5	9	12	21	-		
732	07010206	401		MISS R ABV METRO WASTE	8.8	-		M	PS	NS	NS	LONG	MEDIUM		A		F	-	-	-	3	5	-	-	21	-	M	

A304L=LONG A304M=MEDIUM A304S= HUC=07010207

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304STOPT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
733	07010207		48-0002	MILLE LACS	-	132516	NLF	M		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
734	07010207	001		RUM RIVER AT ANOKA	7.9	-		E	FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
735	07010207	002			3.3	-			FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
736	07010207	004			6.1	-			FS		FS	LONG	MEDIUM		A						3	-	-	-	-	-		
737	07010207	005		RUM R	28.8	29	CHF	M	FS	PS	PS	LONG	MEDIUM	Y	A		F	-	-	-	3	-	9	-	21	-	M	MN0020362
738	07010207	005		RUM RIVER	-	29		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0023795
739	07010207	011		BOGUS BROOK	-	14		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0022845

A304L=LONG A304M=MEDIUM A304S= HUC=07020001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFS	ASUSW	ASUAL	A304L	A304M	A304S	PKFTIR	PKFTCO	PKFDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES	
740	07020001	028		LITTLE MINNESOTA R	11	11.4		M	NS	-	NS	LONG	MEDIUM				N	-	-	-	-	-	-	7	M		MN0022942

A304L=LONG A304M=MEDIUM A304S= HUC=07020002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFS	ASUSW	ASUAL	A304L	A304M	A304S	PKFTIR	PKFTCO	PKFDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES	
741	07020002	001		POMME DE TERRE R	35.9	35.9	NGP	M	FS	NS	NS	LONG	MEDIUM		Y		F	-	-	-	-	-	9	12	21	7	M	MN0021890
742	07020002	002		POMME DE TERRE RIVER	-	36.9		E	FS		FS	LONG	MEDIUM						-	-	-		-	-	7	M		MN0022713

A304L=LONG A304M=MEDIUM A304S= HUC=07020003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFS	ASUSW	ASUAL	A304L	A304M	A304S	PKFTIR	PKFTCO	PKFDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES	
743	07020003	005		W BR LAC QUI PARLE R A	11.8	-		M	FS		FS	LONG	MEDIUM		A					-	5	-	-	-	-		
744	07020003	012		LAC QUI PARLE R	16.6	-		M	PS	-	PS	LONG	MEDIUM		A		D	-	-	-	5	-	-	-	-		
745	07020003	103		W BR LAC QUI PARLE R B	1.5	1.5		M	NS	NS	NS	LONG	MEDIUM		A		F	D	N	-	3	5	-	-	21	7	M	MN0021881
746	07020003	115		CANBY CREEK	9.3	9.3	NGP	M	PS	NS	NS	LONG	MEDIUM	Y			F	D	-	-	-	-	9	-	21	7	M	MN0020354
747	07020003	203			18.5	-			FS		FS	LONG	MEDIUM		A					-	5	-	-		-	-		
748	07020003	303		DT TO W BR LAC QUI PAR	4.6	-		M	NS	FS	NS	LONG	MEDIUM				-	D	N	-	-	-	-		-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07020004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	AFI	ASW	ASUL	A304L	A304M	A304ST	PKFTI	PKFRC	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
749	07020004	001		MINNESOTA R	0.6	-		M	FS	PS	NS	LONG	MEDIUM		A		F	-	-	-	3	-	-	-	21	-		
750	07020004	005			2.8	-			FS		FS	LONG	MEDIUM		A						3	-	-	-	-	-		
751	07020004	006			7.7	-			FS		FS	LONG	MEDIUM		A						3	-	-	-	-	-		
752	07020004	008		MINNESOTA R	3.6	-	WCBP	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	3	-	9	-	21	-		
753	07020004	010		MINNESOTA R	10.4	-		M	FS	NS	NS	LONG	MEDIUM		A		F	-	-	-	3	-	-	-	21	-		
754	07020004	011		MINNESOTA R	2.2	-		M	FS	NS	NS	LONG	MEDIUM		A		F	-	-	-	3	-	-	-	21	-		
755	07020004	015			0.3	-			FS		FS	LONG	MEDIUM		A						3	-	-	-	-	-		
756	07020004	016			6.1	-			FS		FS	LONG	MEDIUM		A						3	-	-	-	-	-		
757	07020004	019			8.1	-			FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
758	07020004	028		S BR YELLOW MEDICINE R	-	33.4		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0024198
759	07020004	031			4.1	-			FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
760	07020004	114		HAWK CREEK	-	31.7		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0023035
761	07020004	114		HAWK CREEK	-	31.7		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0024104
762	07020004	117			4.0	-			FS		FS	LONG	MEDIUM		A						3	-	-	-	-	-		
763	07020004	217		MINNESOTA R ABV MINN F	3.0	3.1		M	FS	-	FS	LONG	MEDIUM				-	-	-	-	-	-	-	-	-	7	M	MN0021211
764	07020004	317			2.7	-			FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07020005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	AFI	ASW	ASUL	A304L	A304M	A304ST	PKFTI	PKFRC	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
765	07020005	001		CHIPPEWA R	11.2	11.2	NGP	M	FS	NS	NS	LONG	MEDIUM	Y			F	-	-	-	-	-	9	12	21	7	M	MN0020133
766	07020005	001		CHIPPEWA RIVER	-	11.2		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0022144
767	07020005	015		*A	8.0	8.3		M	NS	NS	NS	LONG	MEDIUM				F	D	-	-	-	-	-	-	-	7	M	MN0021415
768	07020005	016	61-0130	MINNEWASKA	-	7110.0	NCHF	M		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-	M	
769	07020005	216		PERKINS CREEK TRIB	0.3	-		M	NS	-	NS	LONG	MEDIUM					-	N	-	-	-	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07020006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	AFI	ASW	ASUL	A304L	A304M	A304ST	PKFTI	PKFRC	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
770	07020006	003		REDWOOD RIVER	-	13.5		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0020401
771	07020006	106		REDWOOD R	28.2	28.3		M	FS	-	FS	LONG	MEDIUM			-	-	-	-	-	-	-	-	-	7	M	MN0022179
772	07020006	306		REDWOOD R	3.7	3.7		M	FS	NS	NS	LONG	MEDIUM		F	-	-	-	-	-	-	-	-	-	7	M	MN0024686

A304L=LONG A304M=MEDIUM A304S= HUC=07020007

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUSW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	NPDES
773	07020007	001		MINNESOTA R	1.2	-		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	3	5	-	-	21	-	
774	07020007	002		MINNESOTA R	5.7	-	WCBP	M	FS	NS	NS	LONG	MEDIUM		Y	A		F	-	-	-	3	-	9	12	21	-	
775	07020007	003		MINNESOTA R	14.9	14.9		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	7	M	MN0030171
776	07020007	004		MINNESOTA R	2.8	-		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
777	07020007	005		MINNESOTA R	8.1	-		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
778	07020007	008		MINNESOTA R	9.1	-		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
779	07020007	009		MINNESOTA R	0.4	-		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
780	07020007	010		MINNESOTA R	5.2	-	WCBP	M	FS	NS	NS	LONG	MEDIUM		Y	A		F	-	-	-	3	-	9	-	21	-		
781	07020007	011		MINNESOTA R	15.7	15.7		M	FS	PS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	7	M	MN0030066
782	07020007	013		MINNESOTA R	1.5	-		M	FS	PS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
783	07020007	015		MINNESOTA R	5.4	-		M	FS	PS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
784	07020007	016		MINNESOTA R	4.8	-		M	FS	PS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
785	07020007	018		MINNESOTA R	10.1	-		M	FS	PS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	-		
786	07020007	019		MINNESOTA R	5.9	5.9		M	FS	PS	NS	LONG	MEDIUM			A		F	-	-	-	3	-	-	-	21	7	M	MN0021083
787	07020007	021		MINNESOTA R	5.1	-	WCBP	M	FS	PS	NS	LONG	MEDIUM		Y	A		F	-	-	-	3	-	9	-	21	-		
788	07020007	626		LAKE CRYSTAL OUTLET	0.9	-		M	NS	-	NS	LONG	MEDIUM						-	N	B	-	-	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07020008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUSW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	NPDES
789	07020008	005		COTTONWOOD RIVER	- 19.6		E	FS		FS		LONG	MEDIUM							-	-	-	-	-	7	M	MN0024953

A304L=LONG A304M=MEDIUM A304S= HUC=07020009

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSFI	ASUSW	ASUAL	A30L	A30M	A304S	PORTI	PKFTR	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
790	07020009		001	BLUE EARTH R	3.4	-	WCBP	M	FS	NS	NS	LONG	MEDIUM		Y	A	F	-	-	-	3	-	9	12	21	-		
791	07020009		003	BLUE EARTH R	46.0	46.7		M	NS	NS	NS	LONG	MEDIUM				F	D	-	-	-	-	-	-	21	7	M	MN0025267
792	07020009		003	BLUE EARTH RIVER	-	46.7		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0030490
793	07020009		010	CENTER CR	19.4	19.4	WCBP	M	NS	NS	NS	LONG	MEDIUM		Y	-	F	D	N	-	-	-	9	12	21	7	M	MN0030112
794	07020009		016	BLUE EARTH R	1.0	1.1		M	FS	NS	NS	LONG	MEDIUM				F	-	-	-	-	-	-	-	21	7	M	MN0020532
795	07020009		102		3.7	-			FS		FS	LONG	MEDIUM			A					3	-	-	-	-	-			
796	07020009		105	CEDAR RUN CREEK	8.0	8.7		M	NS	NS	NS	LONG	MEDIUM				F	D	N	B	-	-	-	-	-	7	M	MN0022071
797	07020009		202		8.8	-			FS		FS	LONG	MEDIUM			A					-	5	-	-	-	-			
798	07020009		405	CEDAR RUN CREEK	15.3	-	WCBP	M	PS	NS	NS	LONG	MEDIUM		Y		F	D	N	-	-	-	9	12	21	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07020011

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSFI	ASUSW	ASUAL	A30L	A30M	A304S	PORTI	PKFTR	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
799	07020011		001	LESEUER R MN-66 1.5 MI	5.2	-		E	FS		FS	LONG	MEDIUM			A						3	-	-	-	-	-		
800	07020011		013	LE SUEUR R	18.7	18.7		M	FS	-	FS	LONG	MEDIUM			A		-	-	-	3	5	-	-	-	7	M	MN0024716
801	07020011		013	LE SUEUR RIVER	-	18.7		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0040789
802	07020011		014	LE SUEUR R	49.9	-	WCBP	M	PS	NS	NS	LONG	MEDIUM		Y			F	-	N	B	-	-	9	12	-	-	M

A304L=LONG A304M=MEDIUM A304S= HUC=07020012

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSFI	ASUSW	ASUAL	A30L	A30M	A304S	PORTI	PKFTR	PKFCO	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
803	07020012		27-0001	SNELLING	-	110.0						LONG	MEDIUM			A					3	5	-	-	-	-		
804	07020012		001	MINNESOTA R. AT FT. SN	30.8	-		E	FS		FS	LONG	MEDIUM			A					3	-	-	-	-	-		
805	07020012		003		5.1	-			FS		FS	LONG	MEDIUM			A					3	5	-	-	-	-		
806	07020012		004	MINNESOTA R	3.7	-		M	NS	NS	NS	LONG	MEDIUM			A	F	-	-	-	3	5	-	-	21	-		
807	07020012		008	MINNESOTA R	17.8	-		M	NS	NS	NS	LONG	MEDIUM			A	F	-	-	-	3	5	-	-	21	-		
808	07020012		009	HIGH ISLAND CR	22.6	22.6	WCBP	M	PS	NS	NS	LONG	MEDIUM		Y		F	D	-	-	-	-	9	12	21	7	M	MN0020834
809	07020012		013	MINNESOTA R	9.0	9.0	WCBP	M	NS	NS	NS	LONG	MEDIUM		Y	A	F	-	-	-	3	5	9	12	21	7	M	MN0023621
810	07020012		019	MINNESOTA R	1.6	-		M	NS	NS	NS	LONG	MEDIUM			A	F	-	-	-	3	5	-	-	21	-		
811	07020012		020	MINNESOTA R	8.6	-		M	FS	NS	NS	LONG	MEDIUM			A	F	-	-	-	3	5	-	-	21	-		
812	07020012		101	MINNESOTA RIVER	2.0	22.0		M	FS	NS	NS	LONG	MEDIUM				F	-	-	-	-	-	-	-	21	7	M	MN0029882
813	07020012		101	MINNESOTA RIVER	-	22.0		M	FS		FS	LONG	MEDIUM								-	-	-	-	21	-	M	MN0029882

A304L=LONG A304M=MEDIUM A304S= HUC=07020012

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTIR	PKFTRC	PKFDON	PKDAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
814	07020012	101		MINNESOTA RIVER	-	22.0		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0030007
815	07020012	101			-	-		M	FS		FS	LONG	MEDIUM								-	-	-	-	21	-	M		MN0030007
816	07020012	124		E BR RAVEN STREAM	10.1	-	CHF	M	PS	-	NS	LONG	MEDIUM		Y			D	N	-	-	-	9	12	21	-	M		
817	07020012	201		MINNESOTA RIVER	8.0	8.8		M	FS	FS	FS	LONG	MEDIUM				-	-	-	-	-	-	-	-	21	7	M		MN0029963
818	07020012	224		E BR RAVEN STRM TRIB	6.2	6.2		M	NS	NS	NS	LONG	MEDIUM				F	D	N	-	-	-	-	-	21	7	M		MN0020150
819	07020012	401		CR TO MINNESOTA RIVER	-	0.9		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0030015
820	07020012	416		MUD LAKE AND OUTLET	-	5.0		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0021334

A304L=LONG A304M=MEDIUM A304S= HUC=07030001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTIR	PKFTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
821	07030001		58-0024	BIG TAMARACK	-	75	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07030003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTIR	PKFTRC	PKFDON	PKDAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
822	07030003		33-0003	FIVE	-	42.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
823	07030003		58-0127	LITTLE BASS	-	16.0	NLF	M		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	-			
824	07030003	002		KETTLE RIVER	-	19.3		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0020371
825	07030003	006	09-0041	MOOSEHEAD	-	291.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
826	07030003	020	58-0138	BIG PINE	-	387.0	NLF	M		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-			
827	07030003	206	09-0038	HANGING HORN	-	409.0	NLF	E		FS	FS	LONG	MEDIUM			A	M					-	5	-	-	-	7	M		MN0022705

A304L=LONG A304M=MEDIUM A304S= HUC=07030004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASFI	ASSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKFTR	PKCON	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
828	07030004		33-0033	DEVIL'S	-	121.0	NCHF	E		FS	FS	LONG	MEDIUM			A	E					-	5	-	-	-	-	
829	07030004	007		SNAKE RIVER	-	5.0		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M	MN0021156
830	07030004	016		GROUNDHOUSE R 19		19.8		M	FS	NS	NS	LONG	MEDIUM				F	-	-	-	-	-	-	-	-	7	M	MN0021997

A304L=LONG A304M=MEDIUM A304S= HUC=07030005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASFI	ASSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKFTR	PKCON	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
831	07030005		13-0033	LITTLE	-	159.0						LONG	MEDIUM				A					-	5	-	-	-	-	
832	07030005		82-0049	BIG CARNELIAN	-	444.0	NCHF	M		FS	FS	LONG	MEDIUM				A	M				-	5	-	-	-	-	
833	07030005		82-0052	BIG MARINE	-	1577.0	NCHF	M		FS	FS	LONG	MEDIUM				A	E				-	5	-	-	-	-	
834	07030005	001		ST CROIX R	6.6	-		M	FS	FS	FS	LONG	MEDIUM				A		-	-	-	-	3	5	-	-	-	-	
835	07030005	003		ST CROIX R	12.1	12.1	CHF	M	FS	FS	FS	LONG	MEDIUM			Y	A		-	-	-	-	3	5	9	-	-	7	M	MN0029912
836	07030005	007		ST CROIX R	13.5	13.5	CHF	M	FS	FS	FS	LONG	MEDIUM			Y	A		-	-	-	-	3	5	9	-	21	7	M	MN0029998
837	07030005	034		N BR SUNRISE RIVER	-	19.4		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M	MN0024350
838	07030005	118		SAINT CROIX RIVER	37.9	37.9		E	FS		FS	LONG	MEDIUM				A					3	5	-	-	-	7	M	MN0021768

A304L=LONG A304M=MEDIUM A304S= HUC=07040001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASFI	ASSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKFTR	PKCON	PKDAN	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
839	07040001	001		MISSISSIPPI R 1 MI S O	16.1	-		M	FS		FS	LONG	MEDIUM				A					3	-	-	-	-	-	
840	07040001	001	25-0001	PEPIN	-	7090.0	DA	E		NS	NS	LONG	MEDIUM					H				-	-	9	-	-	7	M	MN0020664
841	07040001	002			3.3	-			FS		FS	LONG	MEDIUM				A					3	-	-	-	-	-	
842	07040001	004		MISSISSIPPI R.-HEAD OF	11.8	11.8		E	FS		FS	LONG	MEDIUM				A					3	-	-	-	-	7	M	MN0024571
843	07040001	005		MISSISSIPPI RIVER AT R	1.1	-		M	FS		FS	LONG	MEDIUM				A					3	-	-	-	-	-	
844	07040001	006			2.0	-			FS		FS	LONG	MEDIUM				A					3	-	-	-	-	-	
845	07040001	010			3.4	-			FS		FS	LONG	MEDIUM				A					3	5	-	-	-	-	
846	07040001	011		MISSISSIPPI R. BY CONF	3.2	3.2		M	FS		FS	LONG	MEDIUM				A					3	5	-	-	-	7	M	MN0029955
847	07040001	108			2.5	-			FS		FS	LONG	MEDIUM				A					3	-	-	-	-	-	
848	07040001	112		VERMILLION RIVER	-	19.4		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M	MN0025101
849	07040001	208			8.0	-			FS		FS	LONG	MEDIUM				A					3	5	-	-	-	-	
850	07040001	312		VERMILLION R	23.9	23.9	WCBP	M	FS	NS	NS	LONG	MEDIUM			Y			F	-	-	-	-	9	-	-	7	M	MN0045845

A304L=LONG A304M=MEDIUM A304S= HUC=07040002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSF	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTI	PKFTR	PKFCO	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
851	07040002	005			4.80	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
852	07040002	006		CANNON R	1.90	-		M	FS	NS	NS	LONG	MEDIUM			A		F	-	-	-	-	5	-	-	-	-	M		
853	07040002	010			2.80	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
854	07040002	012			10.50	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
855	07040002	017		LAKE SAKATAH-CANNON R	-	44.9		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0025208
856	07040002	017		CANNON RIVER	-	44.9		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0025895
857	07040002	018		STRAIGHT R	11.30	11.3		M	FS	-	FS	LONG	MEDIUM			-		-	-	-	-	-	-	-	-	-	7	M		MN0030121
858	07040002	019		STRAIGHT R	5.60	5.6	WCBP	M	FS	-	FS	LONG	MEDIUM		Y	-		-	-	-	-	-	9	-	-	-	7	M		MN0024112
859	07040002	108			1.60	-			FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-			
860	07040002	122		STRAIGHT RIVER	7.75	-		E	FS		FS	LONG	MEDIUM			-						-	-	-	-	-	7	M		MN0024457
861	07040002	122		STRAIGHT RIVER	-	7.8		M	FS		FS	LONG	MEDIUM									-	-	-	-	21	-	M		MN0051284
862	07040002	208		CANNON RIVER	10.00	10.0		E	FS		FS	LONG	MEDIUM			A						-	5	-	-	-	7	M		MN0024368

A304L=LONG A304M=MEDIUM A304S= HUC=07040003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUSF	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFTI	PKFTR	PKFCO	PKDON	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
863	07040003		85-0011	WINONA (SOUTH BAY)	-	300.0						LONG	MEDIUM			A						-	5	-	-	-	-			
864	07040003	001		MISSISSIPPI R	4.2	-		M	PS	PS	PS	LONG	MEDIUM			A		F	-	-	B	3	-	-	-	-	-			
865	07040003	006		MISSISSIPPI R	1.9	-		M	PS	PS	PS	LONG	MEDIUM			A		F	-	-	B	3	-	-	-	-	-			
866	07040003	008		MISSISSIPPI R 1 MI SW	7.1	-		M	FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
867	07040003	017		MISSISSIPPI R. AT WABA	10.4	10.4		M	FS		FS	LONG	MEDIUM			A						3	-	-	-	-	7	M		MN0025143
868	07040003	023		GARVIN BROOK	17.1	-	DA	M	NS	NS	NS	LONG	MEDIUM		Y	-		F	-	-	-	-	5	9	12	21	-			
869	07040003	024		MISSISSIPPI R	0.9	-		M	PS	PS	PS	LONG	MEDIUM			A		F	-	-	B	3	-	-	-	-	-			
870	07040003	102		MISSISSIPPI RIVER	6.3	6.3		E	FS		FS	LONG	MEDIUM			A						3	-	-	-	-	7	M		MN0030147
871	07040003	107			3.2	-			FS		FS	LONG	MEDIUM			A						3	-	-	-	-	-			
872	07040003	109			2.6	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
873	07040003	202			4.9	-			FS		FS	LONG	MEDIUM			A						3	-	-	-	-	-			
874	07040003	207		MISSISSIPPI R ABV LOCK	5.8	-		M	FS	PS	PS	LONG	MEDIUM			A		F	-	-	-	3	5	-	-	-	-			
875	07040003	209			2.2	-			FS		FS	LONG	MEDIUM			A						3	-	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07040004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304ST	POT	PKFTIR	PKFTRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
876	07040004	001			19.9	-			FS		FS	LONG	MEDIUM			A				3	5	-	-	-	-			
877	07040004	002		ZUMBRO RIVER ON CSAH-2	21.1	-		E	FS		FS	LONG	MEDIUM			A				3	5	-	-	-	-			
878	07040004	004			5.3	-			FS		FS	LONG	MEDIUM			A				3	5	-	-	-	-			
879	07040004	007		N FK ZUMBRO RIVER	-	46.4		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0025330
880	07040004	007		N FK ZUMBRO RIVER	-	46.4		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0046752
881	07040004	008	55-0004	ZUMBRO	-	991.0	WCBP	M		NS	NS	LONG	MEDIUM			A	H			3	5	9	-	-	-	M		
882	07040004	010		M FK ZUMBRO RIVER	-	7.6		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0024511
883	07040004	013		S BR MFK ZUMBRO RIVER	-	24.4		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0021059
884	07040004	013		S BR M FK ZUMBRO R.	-	24.4		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0050725
885	07040004	015		DODGE CENTER CREEK	-	25.8		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0021016
886	07040004	016	55-0003	SILVER	-	62.0						LONG	MEDIUM			A				3	5	-	-	-	-			
887	07040004	021		ZUMBRO RIVER, S FK	-	16.5		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0024619
888	07040004	021		S FK ZUMBRO RIVER	-	16.5		M	FS		FS	LONG	MEDIUM							-	-	-	-	21	-	M		MN0024619
889	07040004	107		PEARL CREEK	-	3.6		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M		MN0021628
890	07040004	118			0.2	-			FS		FS	LONG	MEDIUM			A				3	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=07040006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304ST	POT	PKFTIR	PKFTRC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
891	07040006	001		MISSISSIPPI R	4.3	-	DA	M	PS	PS	PS	LONG	MEDIUM		Y	A		F	-	-	B	3	5	9	12	21	-		
892	07040006	002		MISSISSIPPI R	0.8	-		M	PS	PS	PS	LONG	MEDIUM			A		F	-	-	B	3	5	-	-	-	-		
893	07040006	009		MISSISSIPPI R	8.2	-	DA	M	PS	PS	PS	LONG	MEDIUM		Y	A		F	-	-	B	3	5	9	-	21	-		
894	07040006	108		MISSISSIPPI RIVER	4.3	4.3		E	FS		FS	LONG	MEDIUM			A						3	5	-	-	-	7	M	MN0020621
895	07040006	208			7.0	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07040008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A30L4	A30M	A304S	PKOST	PKFIR	PKTRC	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIUN	NPDES
896	07040008	001		ROOT R	6.0	-	DA	M	PS	NS	NS	LONG	MEDIUM		Y		F	-	-	-	-	5	9	12	21	-		
897	07040008	002		ROOT R	11.0	-		M	PS	NS	NS	LONG	MEDIUM				F	-	-	-	-	5	-	-	-	-		
898	07040008	003		ROOT RIVER	-	3.6		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0023736
899	07040008	009		ROOT RIVER	-	16.9		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0024490
900	07040008	009		ROOT RIVER	-	16.9		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0024678
901	07040008	010		ROOT RIVER	-	12.4		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0021458
902	07040008	016		N BR ROOT RIVER	-	2.6		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0021857
903	07040008	018		N BR ROOT RIVER	-	47.3		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0020681
904	07040008	029		S BR ROOT RIVER	-	3.3		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0020044
905	07040008	035		S BR ROOT RIVER	-	23.9		E	FS		FS	LONG	MEDIUM					-	-	-	-	-	-	-	-	7	M	MN0024449
906	07040008	227		SPRING VALLEY CREEK	11.1	-		M	NS	NS	NS	LONG	MEDIUM				F	D	N	-	-	-	-	-	21	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07060001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A30L4	A30M	A304S	PKOST	PKFIR	PKTRC	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIUN	NPDES
907	07060001	021		MISSISSIPPI R	8.9	-		M	PS	PS	PS	LONG	MEDIUM		A		F	-	-	B	3	5	-	-	-	-		
908	07060001	022		S FK CROOKED CREEK	-	23.2		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0020231
909	07060001	217			4.0	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=07080201

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A30L4	A30M	A304S	PKOST	PKFIR	PKTRC	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIUN	NPDES
910	07080201	015		CEDAR RIVER 2.5 MI. W.	4.0	-		E	FS		FS	LONG	MEDIUM			A					3	5	-	-	-	-		
911	07080201	016		CEDAR R	8.4	-	WCBP	M	FS	NS	NS	LONG	MEDIUM		Y	A		F	-	-	-	3	5	9	12	21	-	
912	07080201	018			3.2	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-	
913	07080201	019			1.4	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-	
914	07080201	109		LITTLE CEDAR R TRIB	11.1	11.2		M	FS	NS	NS	LONG	MEDIUM				F	-	-	-	-	-	-	-	21	7	M	MN0021261
915	07080201	121		CEDAR RIVER	0.6	0.6		E	FS		FS	LONG	MEDIUM			A						3	5	-	-	-	7	M	MN0022683
916	07080201	121		CEDAR RIVER	-	0.6		M	FS		FS	LONG	MEDIUM									-	-	-	-	21	-	M	MN0022683
917	07080201	423		CR TO E FK CEDAR R	-	1.6		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M	MN0023612

A304L=LONG A304M=MEDIUM A304S= HUC=07080202

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
918	07080202	009		SHELL ROCK R	9.8	-	WCBP	M	PS	NS	NS	LONG	MEDIUM		Y			F	-	N	B	-	-	9	12	21	-	M		

A304L=LONG A304M=MEDIUM A304S= HUC=07100001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
919	07100001	001		DES MOINES R	33.0	33.4		M	PS	NS	NS	LONG	MEDIUM					F	D	-	-	-	-	-	-	21	7	M		MN0022217
920	07100001	029		OKABENA CR	17.0	-		M	NS	-	NS	LONG	MEDIUM						D	N	B	-	-	-	-	-	-	M		
921	07100001	127		JD 3	-	2.2		E	FS		FS	LONG	MEDIUM									-	-	-	-	-	7	M		MN0020427
922	07100001	229		JD TO OKABENA CREEK	6.5	-		M	NS	-	NS	LONG	MEDIUM					-	N	-	-	-	-	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=09020102

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
923	09020102	001		MUSTINKA R	8.7	8.7	RRV	M	NS	-	NS	LONG	MEDIUM		Y				D	N	-	-	-	9	12	-	7	M		MN0047287

A304L=LONG A304M=MEDIUM A304S= HUC=09020103

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFTI	PKTFRC	PKFDCO	PKDAPN	PKKPRH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
924	09020103		03-0359	SALLIE	-	1267.0	NCHF	E		NS	NS	LONG	MEDIUM			A	H			-	5	9	-	-	-			
925	09020103		56-0242	OTTER TAIL	-	14753.0	NCHF	E		FS	FS	LONG	MEDIUM			A	E			-	5	-	-	-	-			
926	09020103	016		PELICAN R	32.2	32.2	CHF	M	NS	NS	NS	LONG	MEDIUM		Y			F	D	-	-	-	9	12	-	7	M	MN0022225
927	09020103	117	03-0382	ST. CLAIR	-	242.0	NCHF	E		NS	NS	LONG	MEDIUM				H			-	-	9	-	-	-	7	M	MN0020192
928	09020103	119		SLAUGHTERHOUSE SLOUGH	-	0.2		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	-	7	M	MN0022721
929	09020103	214	03-0266		-	73.0		E				LONG	MEDIUM							-	-	-	-	-	-	7	M	MN0022021
930	09020103	306		POND,MARSH TO OTTERTAI	1.0	-		M	NS	NS	NS	LONG	MEDIUM					F	D	N	-	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=09020104

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFTI	PKTFRC	PKFDCO	PKDAPN	PKKPRH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
931	09020104	001			5.8	-			FS		FS	LONG	MEDIUM		A					3	5	-	-	-	-			
932	09020104	003			0.7	-			FS		FS	LONG	MEDIUM		A					-	5	-	-	-	-			
933	09020104	004		OXBOW LAKE (RED RIVER)	24.8	24.8		E	FS		FS	LONG	MEDIUM		A					-	5	-	-	-	7	M		MN0025291
934	09020104	102		RED RIVER OF THE NORTH	22.5	22.5		E	FS		FS	LONG	MEDIUM		A					3	5	-	-	-	7	M		MN0049069
935	09020104	105		RED R BLW BRECKENRIDGE	24.6	-	RRV	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	-	5	9	-	21	-		
936	09020104	202		RED R ABV FARGO MOORHE	18.4	-	RRV	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	-	5	9	-	21	-	M	
937	09020104	205			2.3	-			FS		FS	LONG	MEDIUM		A					3	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=09020107

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFTI	PKTFRC	PKFDCO	PKDAPN	PKKPRH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
938	09020107	001			0.6	-			FS		FS	LONG	MEDIUM		A					3	5	-	-	-	-			
939	09020107	002		RED RIVER SH-200 BY HA	14.4	14.4		M	FS		FS	LONG	MEDIUM		A					3	5	-	-	-	7	M		MN0020770
940	09020107	003			4.6	-			FS		FS	LONG	MEDIUM		A					3	5	-	-	-	-			
941	09020107	009		RED R	18.0	-	RRV	M	FS	NS	NS	LONG	MEDIUM	Y	A		F	-	-	-	3	5	9	12	21	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09020108

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKTIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
942	09020108		03-0323	STRAWBERRY	- 1522.0							LONG	MEDIUM				A				-	5	-	-	-	-			
943	09020108		03-0328	WHITE EARTH	- 2005.0							LONG	MEDIUM				A				-	5	-	-	-	-			
944	09020108	002		S BR WILD RICE RIVER	- 45.4			E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0025062

A304L=LONG A304M=MEDIUM A304S= HUC=09020301

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKTIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
945	09020301	001			0.40	-			FS		FS	LONG	MEDIUM			A					3	5	-	-	-	-			
946	09020301	004		RED R	6.30	-	RRV	M	FS	PS	PS	LONG	MEDIUM		Y	A		F	-	-	-	3	5	9	-	21	-		
947	09020301	008			14.80	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-		
948	09020301	010			8.50	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-		
949	09020301	011			14.50	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-		
950	09020301	103			1.87	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-		
951	09020301	203			1.97	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09020302

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKTIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
952	09020302		04-0122	MEDICINE	- 446.0	NLF	E		FS	FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-			
953	09020302		04-0166	JULIA	- 450.0	NLF	M		FS	FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-			
954	09020302	030	04-0069	BLACKDUCK	- 2742.0	NLF	M		PS	PS	PS	LONG	MEDIUM			A	E				-	5	9	-	-	-	M		
955	09020302	130		COBURN CREEK	3.2 3.3		M	NS	NS	NS	NS	LONG	MEDIUM					F	D	-	-	-	-	-	-	7	M		MN0022837

A304L=LONG A304M=MEDIUM A304S= HUC=09020303

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
956	09020303	001		RED LAKE R	1.50	-	RRV	M	FS	NS	NS	LONG	MEDIUM		Y	A		F	-	-	-	3	5	9	-	21	-			
957	09020303	003		RED LAKE R	17.00	-	RRV	M	FS	PS	PS	LONG	MEDIUM		Y	A		F	-	-	-	3	5	-	-	21	-			
958	09020303	107			19.64	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=09020305

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
959	09020305	212		LOST R	9.0	9.1		M	FS	NS	NS	LONG	MEDIUM					F	-	-	-	-	-	-	-	7	M			MN0020541
960	09020305	612		SILVER CK	19.2	-		M	PS	NS	NS	LONG	MEDIUM					F	D	N	-	-	-	-	-	-	M			
961	09020305	712		UNNAMED CK TO SILVER C	3.0	3.0		M	NS	NS	NS	LONG	MEDIUM					F	D	N	-	-	-	-	-	7	M			MN0020931

A304L=LONG A304M=MEDIUM A304S= HUC=09020306

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDO	PKAN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
962	09020306	001			6.1	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
963	09020306	002			12.5	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
964	09020306	003			5.9	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
965	09020306	004		RED RIVER SH-1 BRIDGE	35.7	-		M	FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			
966	09020306	005			7.0	-			FS		FS	LONG	MEDIUM			A						3	5	-	-	-	-			

A304L=LONG A304M=MEDIUM A304S= HUC=09020311

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	EMF	ASUSI	ASUSW	ASUAL	A304L	A304M	A304ST	PKOFT	PKTIR	PKFRC	PKDCO	PKAON	PKPRH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	NPDES
967	09020311	003		RED R OF THE N ON MN-1	16.4	-		M	FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
968	09020311	004			14.4	-			FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
969	09020311	006			2.3	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		
970	09020311	105			11.8	-			FS		FS	LONG	MEDIUM		A						-	5	-	-	-	-		
971	09020311	205			16.5	-			FS		FS	LONG	MEDIUM		A						3	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09020314

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	EMF	ASUSI	ASUSW	ASUAL	A304L	A304M	A304ST	PKOFT	PKTIR	PKFRC	PKDCO	PKAON	PKPRH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	NPDES
972	09020314	102		DT TO ROSEAU RIVER	- 16.3		E		FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M	MN0025194

A304L=LONG A304M=MEDIUM A304S= HUC=09030001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	EMF	ASUSI	ASUSW	ASUAL	A304L	A304M	A304ST	PKOFT	PKTIR	PKFRC	PKDCO	PKAON	PKPRH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	NPDES
973	09030001		16-0299	RUSH	-	274	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
974	09030001		16-0356	GUNFLINT	-	4047	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
975	09030001		16-0448	LOON	-	1197	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
976	09030001		16-0571	FROST	-	236	NLF	E		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-		
977	09030001		16-0606	ROUND	-	145						LONG	MEDIUM		A						-	5	-	-	-	-		
978	09030001		38-0064	COFFEE	-	126	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
979	09030001		38-0068	WINDY	-	450	NLF	E		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-		
980	09030001		38-0396	ISABELLA	-	1516	NLF	E		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-		
981	09030001		38-0645	BASSWOOD-WHOLELAKE	-	29400	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
982	09030001		38-0738	GARDEN	-	670	NLF	E		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-		
983	09030001		38-0786	SANDPIT	-	65	NLF	M		FS	FS	LONG	MEDIUM		A	O					-	5	-	-	-	-		
984	09030001		38-0811	FALL	-	2173						LONG	MEDIUM		A						-	5	-	-	-	-		
985	09030001		69-0004	WHITE IRON	-	3429	NLF	E		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-		
986	09030001		69-0084	SLETTEN	-	18	NLF	M		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
987	09030001		69-0115	BEAR ISLAND	-	2667	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
988	09030001		69-0181	SLIM	-	296	NLF	E		FS	FS	LONG	MEDIUM		A	M					-	5	-	-	-	-		
989	09030001		69-0190	BIG	-	1740	NLF	E		FS	FS	LONG	MEDIUM		A	E					-	5	-	-	-	-		
990	09030001		69-0205	STUART	-	752	NLF	E		FS	FS	LONG	MEDIUM		A	O					-	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09030001

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	ME	ASUFI	ASUSW	ASUALL	A304L	A304M	A304S	POT	PKFI	PKTR	PKFC	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIN	NPDES
991	09030001		69-0224	LAC LA CROIX	-	34070	NLF	E		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
992	09030001		69-0330	OYSTER	-	714	NLF	E		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
993	09030001		69-0343	HUSTLER	-	272	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
994	09030001		69-0456	JEANETTE	-	293	NLF	M		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-		
995	09030001		69-0470	LOON	-	2616	NLF	E		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
996	09030001	006	69-0003	BIRCH	2 M -	7628	NLF	E		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-		
997	09030001	011	38-0656	GREENWOOD	-	1469	NLF	E		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-		
998	09030001	011	38-0664	DUNNIGAN	-	83	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
999	09030001	011	38-0673	HIGHLIFE	-	20	NLF	M		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-		
1000	09030001	011	38-0674	EAST CHUB	-	64	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
1001	09030001	011	38-0735	SAND	-	506	NLF	E		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-		
1002	09030001	021	38-0080	KAWISHIWI	-	400	NLF	E		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	-		
1003	09030001	021	38-0153	ADAMS	-	448	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1004	09030001	021	38-0336	AMBER	-	135	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
1005	09030001	021	38-0488	DISAPPOINTMENT	-	976	NLF	E		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
1006	09030001	021	38-0526	PARENT	-	1571	NLF	E		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1007	09030001	021	38-0605	ONE	-	876	NLF	E		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1008	09030001	022	16-0629	SEA GULL	-	3736	NLF	M		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
1009	09030001	023	38-0529	SNOWBANK	-	3303	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1010	09030001	024	69-0069	SHAGAWA	-	2370	NLF	E		FS	FS	LONG	MEDIUM			A	E				-	5	-	-	-	7	M	MN0020508
1011	09030001	025	69-0118	BURNTSIDE	-	10236	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1012	09030001	028	69-0350	GE-BE-ON-EQUAT	-	607	NLF	E		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1013	09030001	028	69-0481	FAT	-	102	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1014	09030001	033	69-0316	BIG MOOSE	-	1032	NLF	E		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
1015	09030001	043	16-0811	GABIMICHIGAMI	-	1236	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1016	09030001	045	16-0633	SAGANAGA	-	19610						LONG	MEDIUM			A					-	5	-	-	-	-		
1017	09030001	045	16-0759	ALPINE	-	834	NLF	M		FS	FS	LONG	MEDIUM			A	O				-	5	-	-	-	-		
1018	09030001	045	16-0793	RED ROCK	-	353	NLF	E		FS	FS	LONG	MEDIUM			A	M				-	5	-	-	-	-		
1019	09030001	103	69-0150		-	32		E				LONG	MEDIUM								-	-	-	-	-	7	M	MN0020656

A304L=LONG A304M=MEDIUM A304S= HUC=09030002

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUAL	A304L	A304M	A304S	PKOFT	PKKIR	PKKFC	PKKDO	PKKAN	PKKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIN	NPDES
1020	09030002		69-0218	EAGLES NEST NO. 4	-	202.0					LONG	MEDIUM		A						-	5	-	-	-	-		
1021	09030002		69-0285	EAGLENEST #4	-	1471.0	NLF	E		FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-		
1022	09030002		69-0615	ECHO	-	1054.0	NLF	E		FS	FS	LONG	MEDIUM		A	E				-	5	-	-	-	-		
1023	09030002		69-0748	KJOSTAD	-	444.0	NLF	E		FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-		
1024	09030002	003	69-0616	CRANE	-	3088.0	NLF	E		FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-		
1025	09030002	007	69-0749	MYRTLE	-	889.0						LONG	MEDIUM		A					-	5	-	-	-	-		
1026	09030002	007	69-0806	MOOSE	-	977.0	NLF	E		FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-		
1027	09030002	008	69-0841	PELICAN	-	10945.0		E				LONG	MEDIUM		A					-	5	-	-	-	7	M	MN0024422
1028	09030002	011	69-0378	VERMILION	-	40557.0	NLF	M		FS	FS	LONG	MEDIUM		A	E				-	5	-	-	-	-	M	
1029	09030002	028	69-0498	TROUT	-	7641.0	NLF	E		FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-		
1030	09030002	029	69-0744	ELBOW	-	1852.0	NLF	E		FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-		
1031	09030002	122		EAST TWO RIVER	1.8	1.9		M	FS	-	FS	LONG	MEDIUM						-	-	-	-	-	-	7	M	MN0025038
1032	09030002	122		EAST TWO RIVER	-	1.9		E	FS		FS	LONG	MEDIUM							-	-	-	-	-	7	M	MN0046507

A304L=LONG A304M=MEDIUM A304S= HUC=09030003

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUAL	A304L	A304M	A304S	PKOFT	PKKIR	PKKFC	PKKDO	PKKAN	PKKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIN	NPDES
1033	09030003		69-0691	JOHNSON	-	1685					LONG	MEDIUM		A						-	5	-	-	-	-		
1034	09030003		69-0694	RAINY	-	220800	NLF	E		FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-		
1035	09030003		69-0864	ASH	-	669	NLF	E		FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-		
1036	09030003	015	69-0693	NAMAKAN	-	28260						LONG	MEDIUM		A					-	5	-	-	-	-		
1037	09030003	020	69-0845	KABETOGAMA	-	19903						LONG	MEDIUM		A					-	5	-	-	-	-		
1038	09030003	024	69-0842	BLACKDUCK	-	1264	NLF	E		FS	FS	LONG	MEDIUM		A	O				-	5	-	-	-	-		
1039	09030003	029	69-0617	SAND POINT	-	8890						LONG	MEDIUM		A					-	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09030004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFW	ASUAL	A304L	A304M	A304S	PKOFT	PKKIR	PKKFC	PKKDO	PKKAN	PKKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MIN	NPDES
1040	09030004	012			6.9	-			FS	FS	LONG	MEDIUM		A						3	5	-	-	-	-		
1041	09030004	113		RAINY RIVER	12.4	12.4		E	FS	FS	LONG	MEDIUM		A						3	5	-	-	-	7	M	MN0020257

A304L=LONG A304M=MEDIUM A304S= HUC=09030005

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASFI	ASSW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
1042	09030005		31-0171	CRUM	-	21.0	NLF	M		FS	FS	LONG	MEDIUM		A	M				-	5	-	-	-	-		
1043	09030005		69-0925	SHANNON	-	191.0						LONG	MEDIUM		A					-	5	-	-	-	-		
1044	09030005	012	69-0793	LAKE FOURTEEN	-	402.0						LONG	MEDIUM		A					-	5	-	-	-	-		
1045	09030005	012	69-0933	SIDE	-	372.0	NLF	E		FS	FS	LONG	MEDIUM		A	E				-	5	-	-	-	-		
1046	09030005	015		LITTLE FORK R, S BR 21		21.2		M	FS	-	FS	LONG	MEDIUM				-	-	-	-	-	-	-	-	7	M	MN0021369

A304L=LONG A304M=MEDIUM A304S= HUC=09030006

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASFI	ASSW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
1047	09030006		31-0690	ASPEN	-	96						LONG	MEDIUM		A					-	5	-	-	-	-		
1048	09030006		31-0726	BELLO	-	493	NLF	E		FS	FS	LONG	MEDIUM		A	E				-	5	-	-	-	-		
1049	09030006		31-0786	JESSIE	-	1635	NLF	M		FS	FS	LONG	MEDIUM		A	E				-	5	-	-	-	-		
1050	09030006	008			5.4	-			FS		FS	LONG	MEDIUM		A					-	5	-	-	-	-		
1051	09030006	009		BIG FORK RIVER NE OF W	32.5	-		M	FS		FS	LONG	MEDIUM		A					-	5	-	-	-	-		
1052	09030006	014	31-0896	ROUND	-	2964	NLF	E		NS	NS	LONG	MEDIUM		A	H				-	5	9	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09030008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASFI	ASSW	ASUAL	A304L	A304M	A304S	PKOST	PKFIR	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	INDES
1053	09030008		39-0002	K OF THE WOODS(FOUR	-	5000						LONG	MEDIUM		A					3	5	-	-	-	-		
1054	09030008	001			8.7	-			FS		FS	LONG	MEDIUM		A					-	5	-	-	-	-		
1055	09030008	005		RAINY R	4.7	-	NMW	M	FS	PS	PS	LONG	MEDIUM	Y	A		F	-	-	-	5	9	12	21	-		

A304L=LONG A304M=MEDIUM A304S= HUC=09030009

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFT	PKTIR	PKFRC	PKDAO	PKAPN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	MIN	NPDES
1056	09030009	014	39-0002	AKE OF THE WOODS (W	-	312010						LONG	MEDIUM			A						-	5	-	-	-	-		
1057	09030009	116		WILLIAMS CK (CD-1)	12.7	13	NMW	M	NS	NS	NS	LONG	MEDIUM		Y		F	D	-	-	-	-	9	12	21	7	M		MN0021679

A304L=LONG A304M=MEDIUM A304S= HUC=10170203

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFT	PKTIR	PKFRC	PKDAO	PKAPN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	MIN	NPDES
1058	10170203		59-0001	SPLIT ROCK	-	80.0						LONG	MEDIUM			A						-	5	-	-	-	-		
1059	10170203	033		PIPESTONE CR	22.0	-	NGP	M	NS	NS	NS	LONG	MEDIUM		Y		F	D	N	-	-	-	9	12	21	-	M		
1060	10170203	034		PIPESTONE CREEK	-	10.9		E	FS		FS	LONG	MEDIUM								-	-	-	-	-	7	M		MN0021636
1061	10170203	035		N BR PIPESTONE CK AT C	21.2	-		M	FS		FS	LONG	MEDIUM			A						-	5	-	-	-	-		
1062	10170203	532		UNNAMED CK TO SPLIT RO	0.0	-		M	NS	FS	NS	LONG	MEDIUM				-	-	-	-	-	-	5	-	-	-	-		

A304L=LONG A304M=MEDIUM A304S= HUC=10170204

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFT	PKTIR	PKFRC	PKDAO	PKAPN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	MIN	NPDES
1063	10170204	021		*D	9	9.2		M	FS	NS	NS	LONG	MEDIUM				F	-	-	-	-	-	-	-	21	7	M		MN0023302
1064	10170204	027		ROCK R	9	9.3		M	PS	NS	NS	LONG	MEDIUM				F	D	-	-	-	-	-	-	21	7	M		MN0020141

A304L=LONG A304M=MEDIUM A304S=SHORT HUC=09030004

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEI	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	PKOFT	PKTIR	PKFRC	PKDAO	PKAPN	PKPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MUN	MIN	NPDES
1065	09030004	001		RAINY R BY CR-85 BLO R	47.7	-		M	FS		FS	LONG	MEDIUM	SHORT		A					3	-	-	-	-	-		I	MN0001643
1066	09030004	011		RAINY R 2 MI E OF LOMA	4.5	-		M	FS		FS	LONG	MEDIUM	SHORT		A					3	5	-	-	-	-		I	MN0001643
1067	09030004	013 and 012		RAINY R. AT INTERNATIO	19.3	-		M	FS		FS	LONG	MEDIUM	SHORT		A					3	5	-	-	-	-		I	MN0001643

A304L=LONG A304M=MEDIUM A304S=SHORT HUC=09030008

OBS	HUC	SEG	LAKEID	RCHNAME	MILES	SIZE	ECO	MEF	ASUFI	ASUSW	ASUAL	A304L	A304M	A304S	POT	PKFIR	PKTRC	PKFCO	PKDON	PKAPH	OTHER1	OTHER2	OTHER3	OTHER4	OTHER5	OTHER6	MU	IN	NPDES
1068	09030008	007		RAINY RIVER AT CLEMENT	2.4	-		M	FS		FS	LONG	MEDIUM	SHORT		A					3	5	-	-	-	-		I	MN0001643

TABLE A

Types of Nonpoint Source Effects

If the Effect is:	Indicate:
Oxygen depletion	A
Eutrophication (heavy algal blooms, etc)	B
Bacteria contamination	C
Bottom sedimentation	D
Toxicity due to pesticides, dissolved metals, etc.	E
Turbid waters	F
Physical habitat alteration	G
Unknown	H
Other	I

TABLE B

NPS Categories

If the NPC category is:	Indicate:
Agriculture	
Non-irrigated crop production	11
Irrigated crop production	12
Specialty crop production (orchards etc.)	13
Pasture land	14
Feedlots (total confinement)	16
Animal holding/management areas	18
Agri-chemical application (pesticides & fertilizers)	19
Silviculture	
Harvesting, reforestration, residue mngt	21
Forest mngt (herbicide application etc)	22
Road construction/maintenance	23
Contruction	
Highway/road/bridge	31
Land development	32
Urban Runoff	
Storm sewers	41
Surface runoff	43
Resource Extraction/Exploration/Development	
Surface mining	51
Subsurface mining	52
Mill tailings	56
Mine tailings	57
Land Disposal (Runoff/Leachate)	
Sludge	61
Wastewater	62
Landfills	63
Industrial land treatment	64
On-site wastewater systems (septic tanks)	65
Hazardous wastes	66
Hydrologic/Habitat Modification	
Channelization	71
Dredging	72
Dam construction	73
Flow regulation/modification	74
Bridge construction	75
Removal of riparian vegetation	76
Streambank modification/destabilization	77
Other	80
Source Unknown	90

TABLE C

Actual or Potential Uses

If the actual or potential use is:	Indicate:
Fishing (poor)	S
Fishing (moderate)	T
Fishing (good)	U
Fishing (Unique)*	V
Swimming (poor)	W
Swimming (good)	X
Unknown	Y
Other	Z

* Consider a fishery unique if it represents a species uncommon to the area such as a trout fishery where warmwater conditions normally prevail or the waterbody supports an endangered or rare species.

COUNTY CODES

County	Code
Aitkin	1
Anoka	2
Becker	3
Beltrami	4
Benton	5
Big Stone	6
Blue Earth	7
Brown	8
Carlton	9
Carver	10
Cass	11
Chippewa	12
Chisago	13
Clay	14
Clearwater	15
Cook	16
Cottonwood	17
Crow Wing	18
Dakota	19
Dodge	20
Douglas	21
Faribault	22
Fillmore	23
Freeborn	24
Goodhue	25
Grant	26
Hennepin	27
Houston	28
Hubbard	29

County	Code
Isanti	30
Itasca	31
Jackson	32
Kanabec	33
Kandiyohi	34
Kittson	35
Koochiching	36
Lac Qui Parle	37
Lake	38
Lake of the Woods	39
Le Sueur	40
Lincoln	41
Lyon	42
McLeod	43
Mahnomen	44
Marshall	45
Martin	46
Meeker	47
Mille Lacs	48
Morrison	49
Mower	50
Murray	51
Nicollet	52
Nobles	53
Norman	54
Olmsted	55
Otter Tail	56
Pennington	57
Pine	58

County	Code
Pipestone	59
Polk	60
Pope	61
Ramsey	62
Red Lake	63
Redwood	64
Renville	65
Rice	66
Rock	67
Roseau	68
St. Louis	69
Scott	70
Sherburne	71
Sibley	72
Stearns	73
Steele	74
Stevens	75
Swift	76
Todd	77
Traverse	78
Wabasha	79
Wadena	80
Waseca	81
Washington	82
Watonwan	83
Wilkin	84
Winona	85
Wright	86
Yellow Medicine	87

A304L=LONG A304M= CO=01 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
19			Gun Lk	735ac	B	12,71	WZ	X
20			Pine Lk	372	BFG	12,14,16,32,431	UW	-

A304L=LONG A304M= CO=02 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
21			Coon Lk	all	BF	41,43	T	U
22			Little Coon Lk	all	BF	41,43	S	Y
23			Martin Lk	all	BF	41,43	T	U
24			Crooked Lk	3	B	41	SX	SX
25			Otter Lk	332ac	-	65,43	ZT	-
26			Spring Lk	60.2ac	-	43	T	-
27			Moore Lk	108ac	-	63,43	X	T
28			Moore Lk		-	63,43	X	T
29			Golden Lk	57.2ac	B	12,13,19,63,32,14,43	XZT	-
30			Baldwin Lk	255ac	-	63	ZS	-
31			Rice Lk	442ac	-	-	ZS	-
32			Reshanay Lk	336ac	-	43	ZS	-
33			Ward Lk	26ac	-	-	Z	-
34			Sherman Lk	33ac	-	-	ZS	-
35			Centerville Lk	455ac	-	63,32,43	XZT	-
36			Marshan Lk	230ac	-	-	Z	-

A304L=LONG A304M= CO=02 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
37			George Watch Lk	528ac	–	–	ZS	–
38			Peltier Lk	465ac	–	32	ZT	–
39			Crossways Lk	355ac	–	–	–	–
40			Columbus Lk	37ac	–	63	–	–
41			Howard Lk	488ac	–	16,65,32	S	–
42			Moore Lk	75ac	ABDF	41,43	TX	–
43			Moore Lk		ABDF	41,43	TX	–
44			Locke Lk	5ac	ABD	41,43	S	–
45			Harris Lk	3ac	ABDF	41,43	–	–
46			Spring Br Pond	180ac	D	41,43	–	–
47			Farr Lk	2ac	ABDF	41,43	–	–
48			Crooked Lk	130ac	B	41	SX	SX
49			Ward Lk	1.3sqmi	H	90	Y	S
50			Bunker Lk	–	H	90	S	S
51			Highland Lk	17ac	ABD	41,43	–	T
52			LaBelle Pond	9ac	BD	41,43	–	–
53			Secondary Pond	1.8ac	BD	41,43	–	–
54			Silver Lk	69.5ac	ABD	41,43	UX	–
55			Moore Lk	108ac	–	63,43	X	T
56			Golden Lk	57.2ac	B	12,13,19,63,32,14,43	XZT	–
57			Baldwin Lk	255ac	–	63	ZS	–
58			Rice Lk	442ac	–	–	ZS	–
59			Reshanay Lk	336ac	–	43	ZS	–
60			Ward Lk	26ac	–	–	Z	–
61			Sherman Lk	33ac	–	–	ZS	–
62			Centerville Lk	455ac	–	63,32,43	XZT	–
63			Marshan Lk	230ac	–	–	Z	–
64			George Watch Lk	528ac	–	–	ZS	–
65			Peltier Lk	465ac	–	32	ZT	–
66			Crossways Lk	355ac	–	–	–	–
67			Columbus Lk	37ac	–	63	–	–
68			Howard Lk	488ac	–	16,65,32	S	–
69			Otter Lk	332ac	–	65,43	ZT	–
70			Spring Lk	60.2ac	–	43	T	–

A304L=LONG A304M= CO=02 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
71	07010206	x02	Spring Bk Cr	3mi	D	41,43	–	–
72	07010206	x02	Stoneybrook Cr	2mi	–	41,43	–	–
73	07010206	x02	Norton Cr	.5mi	–	41,43	–	–
74	07010206	602	RICE CREEK	5mi	D	41,43	S	–
75	07040206	x02	Oak Glen Cr	1.2mi	–	41,43	–	–

A304L=LONG A304M= CO=02 WBT=WETLAND

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
76			Leeman Lk	–	BH	90	S	S
77			Unnamed Wetland	100ac	H	41,43	S	S
78			Unnamed Wetland	–	H	43,90	S	S

A304L=LONG A304M= CO=03 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
79			Sallie Lk	all	ABDFG	40,65	TW	UX
80			Cotton Lk	all	ABDFG	40,65	TW	UX
81			Melissa Lk	all	ABDFG	40,65	TW	UX
82			Floyd Lk	all	ABDFG	19,40,65	TW	UX
83			Little Toad	all	ABDFG	11,18,19,40,65	TW	UX
84			Sand Lk	all	ABGI	11,18,19,70	SW	UX
85			Little Cormorant Lk	all	ABG	11,18,19,40,65	TW	UX
86			Ida Lk	all	ABG	11,19,40,65	TW	UX
87			Sallie Lk	-	ABDFG	43,65	TW	UX
88			Cotton Lk	-	ABDFG	65	TW	UX
89			Melissa Lk	-	ABDFG	43,65	TW	UX
90			Floyd Lk	-	ABDFG	19,65	TW	UX
91			Little Toad Lk	-	ABDFG	19,11,65,16	TW	UX
92			Sand Lk	-	ABGI	19,11,16,70	SW	UX
93			Little Cormorant Lk	-	ABG	19,11,65,16	TW	UX
94			Ida Lk	-	ABG	19,11,65	TW	UX
95			Muskrat Lk	all	B	62	SY	UX
96			Sauie Lk	all	B	62,65	UX	UW
97			Melissa Lk	all	BD	62,65	UX	UW
98			Perch Lk	all	FB	31	S	V
99			St Clair Lk	all	B	43,62	-	-

A304L=LONG A304M= CO=03 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
100	09020103	016	PELICAN R	-	G	71	Y	-

A304L=LONG A304M= CO=04 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
101			Blackduck Lk	2742ac	ABCDF	41,62,65	TW	UX
102			Andrusia Lk	1532	F	32,76,77,65	UX	-
103			Bemidji Lk	6420	B	65,74,75,76,32,41,43,62,63	UX	-
104			Blackduck Lk	2596	B	14,31,32,43,62,65,76	UW	X
105			Goose Lk	59	B	21,32,62,65,66,74,76,77	UX	-
106			Stocking Lk	75	A	14,32,65	SW	UX
107			Wolf Lk	1051	B	14,31,32,65,77	UX	-
108			Irving Lk	613	B	31,32,41,43,62,65	UW	X
109			Julia Lk	450	BD	14,18,21,22,32,65	UW	X
110			Blackduck Lk	3000ac	B	65	T	U
111			Bemidji Lk	6000ac	C	65	T	U
112			Big Rice Lk	600ac	B	90	Z	Z
113			Meadow Lk	70ac	B	90	Z	Z
114			Popple Lk	100ac	B	90	Z	Z
115			Little Moose Lk	240ac	B	90	Z	Z

A304L=LONG A304M= CO=04 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
116	?	?	Balsam Bk	3mi	G	43,63,73	SW	Y
117	?	?	Stump Lk	290	AB	31,32,62,65,77	UX	–
118	07010101	019	MISSISSIPPI R		G	11,12,14,16,18,19,21,31,32,62	UW	–
119	07010101	023			G	11,12,14,16,18,19,21,31,32,62	UW	–
120	07010101	027	MISSISSIPPI R		F	14	Z	–
121	07010101	027	MISSISSIPPI R		G	11,12,14,16,18,19,21,31,32,62	UW	–
122	07010101	027	MISSISSIPPI R		C	62	S	U
123	07010101	029			C	62	S	U
124	07010101	032	MISSISSIPPI R		F	14	Z	–
125	07010101	032	MISSISSIPPI R	70mi	G	11,12,14,16,18,19,21,31,32,62	UW	–
126	07010101	032	MISSISSIPPI R		C	62	S	U
127	07010101	033	MISSISSIPPI R	–	F	14	Z	–
128	07010101	033	MISSISSIPPI R	3000mi	C	62	S	U
129	09020302	x28	O'Brien Ck	5mi	BG	11,14,16,18,31,32,77	SW	V
130	09020302	026	BLACKDUCK R	–	F	14	Z	–
131	09020302	026	BLACKDUCK R	17mi	H	14,16,19,31,71,75,76	SW	–
132	09020302	027	BLACKDUCK R		F	14	Z	–
133	09020302	029	BLACKDUCK R		F	14	Z	–
134	09020302	029	BLACKDUCK R		H	14,16,19,31,71,75,76	SW	–
135	09020302	029	BLACKDUCK R	20mi	F	14	T	U
136	09020302	037	BATTLE R, S BR	–	F	14	Z	–
137	09020302	038	BATTLE R, S BR		F	14	Z	–
138	09020302	039	BATTLE R, W BR		F	14	Z	–
139	09020302	043	SHOTLEY BK	9mi	H	12,19,32,65,77	SW	UX
140	09020302	130	COBURN CREEK	2mi	B	14	S	U
141	09020305	015	CLEARWATER R	–	G	12	Z	–

A304L=LONG A304M= CO=05 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
142			Little Rock Lk	–	BCDF	19,43,65,11,12,14,18	TWZ	UXZ
143			Little Rock Lk	all	DH	11,65,90	TW	UX

A304L=LONG A304M= CO=05 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
144	07010201	005	PLATTE R	–	CD	14,18,19,32,51	TXZ	UXZ

A304L=LONG A304M= CO=06 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
145			Big Stone Lk	11185ac	BCDFI	11,16,18,19,41,43,65,77	TWZ	XZ
146			East Toqua Lk	440ac	BCI	11,19,41,43,77	SX	–
147			Big Stone Lk	729800ac	ABDF	11,12,16,18,19,41,43,62,63,65	TW	UX
148			Marsh Lk	–	BDF	11,16,19	S	U
149			Marsh Lk	all	DCF	19,11,65,18	U	X

A304L=LONG A304M= CO=07 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
150			Lura Lk	–	BF	19,11	T	U
151			George Lk	–	AB	11,65	T	U
152			Duck Lk	–	BF	19,11,65,40	T	U
153			Ballantyne Lk	–	ABF	19,11,65,40	T	U
154			Duck Lk	all	ABDF	11,16,18,19,65	UXZ	–
155			Madison Lk	all	ABDF	11,18,19,65	UXZ	–

A304L=LONG A304M= CO=08 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
156			Hanska Lk	–	F	19,11	S	T
157			Sleepy Eye Lk	–	F	19,11	S	T
158			Hanska Lk	–	B	11,16,72	SW	–
159			Sleepy Eye Lk	all	H	90	ST	T
160			Hanska Lk	all	DFH	11,90	ST	U
161			Clear Lk	all	H	11,90	ST	T

A304L=LONG A304M= CO=09 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
162			Chub Lk	–	BDG	32,65	TW	UX
163			Little Hanging Horn Lk	–	D	31,32,43,76,77	T	U
164			Moosehead Lk	–	B	65	T	U
165			Big Lk	–	DB	77,32	T	U
166			Eagle Lk	600ac	BC	65	UX	–
167			Island Lk	600ac	BC	65	UX	–
168			Island Lk		BC	65	UX	–
169			Tamarack Lk	120ac	BC	65	UX	–
170			Woodbury Lk	60ac	BC	14,65	UX	–
171			Chub Lk	400ac	BC	65	X	–
172			Big Lk	800ac	BC	65	X	–
173			Chub Lk	274ac	B	43,65	TWZ	UXZ
174			Park Lk	373ac	BG	43,65	TWZ	UXZ
175			Big Lk	566ac	BG	43,65	TWZ	UXZ
176			Hanging Horn Lk	420 ac	B	43,65	TWZ	UXZ
177			Eagle Lk	410ac	GB	18,43,30,65	TWZ	UXZ
178			Merwin Lk	51ac	B	11,18	TW	UX
179			Island Lk	456ac	B	43,62	TW	UX
180			Chub Lk	all	BCG	40,65	UX	–
181			Big Lk	all	BCG	40,65	UX	–
182			Eagle Lk	all	BG	40,18	UX	–
183			Island Lk	all	BC	40,65	UX	–
184			Island Lk		BC	40,65	UX	–
185			Park Lk	all	BC	40,65	UX	–

A304L=LONG A304M= CO=09 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
186	04010301	x15	Blackhoof Cr	4mi	ABCDF	18	TV	–
187	04010301	015	NEMADJI R	–	DF	76,77	T	U

A304L=LONG A304M= CO=10 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
188			Eagle Lk	261ac	B	11,18,19	S	T
189			Riley Lk	284ac	B	32,43	T	U
190			Susan Lk	88ac	B	32,43	T	U
191			Rice Marsh Lk	183ac	B	32,43,62	S	T
192			Miller Lk	180ac	D	11,18,19	Z	Z
193			Auburn Lk	347ac	AB	11,14,19,32,76	Z	–
194			Auburn Lk		AB	11,14,19,32,76	Z	–
195			Parley Lk	409ac	BH	11,14,43,32	Z	–
196			Auburn,e	347ac	AB	11,14,19,32,76	Z	–
197			auburn,w		AB	11,14,19,32,76	Z	–
198			Parley	409ac	BH	11,14,43,32	Z	–

A304L=LONG A304M= CO=10 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
199	07020012	007	SILVER CR	all	ABDFGH	40,19,65,18	TW	UX

A304L=LONG A304M= CO=11 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
200			Leech Lk	111000ac	C	65,41	UX	–
201			Leech Lk		C	65,41	UX	–
202			Leech Lk		C	65,41	UX	–
203			Leech Lk		C	65,41	UX	–
204			Woman Lake & Chain	–	C	65	UX	–
205			Little Wolf Lk	–	BDH	90	SW	UXZ
206			Pike Bay Lk	4760	H	21,22,31,65,63,66	UX	–
207			Swamp Lk	700ac	B	90	Z	Z
208			Welsh Lk	160ac	B	90	Z	Z
209			Lower Sucker Lk	20ac	B	90	Z	Z
210			Middle Sucker Lk	40ac	B	90	Z	Z
211			Leech Lk-waboose Bay	300ac	B	90	T	U

A304L=LONG A304M= CO=12 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
212			Shakopee Lk	–	DB	11,19	S	T

A304L=LONG A304M= CO=12 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
213	07020004	019	MINNESOTA R	all	D	11	S	U
214	07020004	020	MINNESOTA R	all	D	11	S	U
215	07020004	031	MINNESOTA R		D	11	S	U
216	07020005	001	CHIPPEWA R		D	11	S	U
217	07020005	003	CHIPPEWA R	all	D	11	S	U

A304L=LONG A304M= CO=13 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
218			Rush Lk	3170ac	B	11,43,65	T	U
219			Rush Lk		B	11,43,65	T	U
220			N Center Lk	760ac	B	11,43,65	T	U
221			S Center Lk	913ac	B	11,43,65	T	U
222			S Lindstrom Lk	669ac	B	11,43,65	T	U
223			Green Lk	1830ac	B	11,43,65	T	U
224			Green Lk		B	11,43,65	T	U
225			Comfort Lk	220ac	B	11,43,65	T	U
226			Rush Lk	2832	BFG	14,16,32,43	UW	–
227			Rush Lk		BFG	14,16,32,43	UW	–
228			Green Lk	1714	ABFG	14,16,32,43	UW	–
229			Green Lk		ABFG	14,16,32,43	UW	–
230			N Center Lk	725	BFG	14,16,32,43	UW	–
231			S Center Lk	835	BFG	12,14,16,32,43	UW	–
232			Chisago Lk	873	BFG	12,14,16,32,43	UW	–
233			Chisago Lk		BFG	12,14,16,32,43	UW	–
234			S Lindstrom Lk	450	BFG	12,14,16,32,43	UW	–

A304L=LONG A304M= CO=14 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
235	09020106	009	BUFFALO R	all	BCF	11,19	TW	UW

A304L=LONG A304M= CO=15 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
236			Little Elk Lk	all	ABDFH	19,11,65	TW	UX
237			Pine Lk	–	AB	11,65	UX	–
238			Lindberg Lk	–	AB	11,14	TW	–
239			First Lk	58	B	11,14,18,19	SW	–
240			Spike Lk	–	AB	18	SW	–

A304L=LONG A304M= CO=15 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
241	09020305	013	CLEARWATER R	-	ADF	90(11,13,19,71)	S	TU
242	09020305	014	RUFFY BK	3mi	G	11,14,18,77	SW	V
243	09020305	015	CLEARWATER R		ADF	90(11,13,19,71)	S	TU

A304L=LONG A304M= CO=16 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
244			Caribou Lk	714ac	ABC	32	TW	UX
245			Caribou Lk	all	BC	65	TW	UX
246			Poplar Lk	all	BC	65	TX	UX

A304L=LONG A304M= CO=16 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
247	04010101	030	POPLAR R		DFG	32	T	U
248	04010101	033	POPLAR R		DFG	32	T	U
249	04010101	034	RICE L (POPLAR R)		DFG	32	T	U
250	04010101	037	POPLAR R	3mi	DFG	32	T	U

A304L=LONG A304M= CO=17 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
251			Wolf Lk	124ac	BF	11	Z	S
252			Cottonwood Lk	146ac	BF	11,14	XT	-
253			String Lk	402ac	BF	11,19	SWZ	-
254			Augusta Lk	499ac	BFD	11,14	SZ	Z
255			Carey Lk	117ac	BF	11	ZS	-
256			String Lk	whole	ADF	11,19	SW	-
257			Mt Lk	whole	ABCDFG	11,16,19	T	W
258			Mt Lk	whole	ABCDFG	11,16,19	T	W

A304L=LONG A304M= CO=18 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
259			Upper Long Lk	79.3	B	-	-	-
260			Perch Lk	226ac	ABD	80	SW	SW
261			Rice Lk	222ac	ABD	14,16	SW	Y
262			Garden Lk	283ac	ABD	14,18,19	SW	Y
263			Mollie Lk	270ac	ABCD	14,16,18	SW	Y
264			Little Hubert Lk	281ac	ABD	43,65,76	UW	Y
265			Markee Lk	119ac	ABD	43,65	UW	Y
266			Shaffer Lk	114ac	ABD	80	SW	Y
267			Bonnie Lk	83ac	ABD	43,65,76	TW	Y
268			Clark Lk	361ac	ABCD	43,65,76	TX	Y
269			Moburg Lk	45ac	ABD	43,65	Y	Y

A304L=LONG A304M= CO=19 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
270			Chub Lk	261ac	ABFG	11,16,19	SWZ	SWZ
271			LeMay Lk	40ac	ABDF	31,32,41,42	TY	UX
272			Unnamed Pond	13ac	ABDF	43,65	Y	Y
273			Thomas Lk	45ac	ABDF	41,43,31,32	SW	TXZ
274			Shanahan Lk	12ac	ABDF	32,43	TY	TY
275			Fish Lk	30ac	ABDF	31,32,41,43	TZ	UX
276			Keller Lk	60ac	ABDF	32,41,43	S	Y
277			Lee Lk	25ac	GABDF	19,11,14,32	Y	Y
278			Lk Byllesby	all	ABDFG	11,19	SW	UX

A304L=LONG A304M= CO=19 WBT=WETLAND

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
279			Unnamed Wetland	9ac	BD	31,32,41,43	Y	Y
280			Gerhardt Lk	15ac	ABDF	31,32,41,43	Y	Y
281			Unnamed Wetland	10ac	BD	31,32,41,43	Y	Y
282			Unnamed Wetland	5ac	BD	31,32,41,43	Y	Y
283			Hay Lk	24ac	ABD	31,32,41,43	Y	Y
284			Unnamed Wetland	12ac	ABDF	32,41,43	Y	Y
285			Quigley Lk	26ac	ABDF	32,41,43	Y	Y
286			Blackhawk Lk	43ac	ABDF	31,32,41,43	Y	TX
287			Thomas Lk,E	10ac	ABDF	31,32,41,43	SW	TXZ
288			Unnamed Wetland	10ac	ABDF	32,41,43	SW	TX

A304L=LONG A304M= CO=21 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
289			Freeborn Lk	all	BDFG	11,19,18	UW	UX
290			Ida Lk	all	BDG	18,11,65	TX	UV
291			Indian Lk	all	BFG	11,18	TW	V
292			Irene Lk	all	BG	65	TW	UV
293			Lobster Lk	all	BDFG	19,11,65,18	TW	UVX
294			Lobster Lk		BDFG	19,11,65,18	TW	UVX
295			Maple Lk	all	BFG	40,65,18	TX	U
296			Mill Lk	all	BFG	19,11,65	TX	U
297			Oscar Lk	all	BDFG	19,11,65,18	TW	UVX
298			Pocket Lk	all	ABDFG	19,11,65,18	SW	TX
299			Red Rock Lk	all	BDFG	19,11,65,18	TW	UX
300			Smith Lk	all	BDFG	19,11,18	TW	UX
301			Stowe Lk	all	BDFG	19,11,18	SW	TX
302			Wolley Lk	135ac	ABDF	11,18,19	SWZ	TZ
303			Eng Lk	185ac	ABDF	11,18,19	SWZ	TZ
304			Roland Lk	88ac	ABDF	11,18,19	SWZ	TZ
305			Long Lk	125ac	ABDF	11,18,19	SWZ	TZ
306			Thorson Lk	106ac	ABDF	11,18,19	SWZ	TZ
307			Amos Lk	96ac	ABDF	11,18,19	SWZ	TZ
308			Jennie Lk	301ac	ABDF	11,18,19	SWZ	TZ
309			Barsness Lk	96ac	ABDF	11,18,19	SWZ	TZ
310			Lake Thorstad	276ac	ABDF	11,18,19	SWZ	TZ
311			Holleque Lk	128ac	ABDF	11,18,19	SWZ	TZ

A304L=LONG A304M= CO=21 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
312			Lake Venus	196ac	ABDF	11,18,19	SWZ	TZ
313			Quam Lk	178ac	ABDF	11,18,19	SWZ	TZ
314			Red Rock Lk	964ac	ABDF	11,18,19	SWZ	TZ
315			Jorgrson Lk	97ac	ABDF	11,18,19	SWZ	TZ
316			Mahla Lk	52ac	ABDF	11,18,19	SWZ	TZ
317			Fanny Lk	40ac	ABDF	11,18,19	SWZ	TZ
318			Stone Lk	367ac	ABDF	11,18,19	SWZ	TZ
319			Davidson Lk	158ac	ABDF	11,18,19	SWZ	TZ
320			Erwin Lk	123ac	ABDF	11,18,19	SWZ	TZ
321			Long Lk	218ac	ABDF	11,18,19	SWZ	TZ
322			Hubrid Lk	109ac	ABDF	11,18,19	SWZ	TZ
323			Solberg Lk	291ac	ABDF	11,18,19	SWZ	TZ
324			Alberts Lk	157ac	ABDF	11,18,19	SWZ	TZ
325			North Oscar Lk	256ac	ABDF	11,18,19	SWZ	TZ
326			Lake Oscar	806ac	ABDF	11,18,19	SWZ	TZ
327			South Oscar Lk	55ac	ABDF	11,18,19	SWZ	TZ
328			Kron Lks	26ac	ABDF	11,18,19	SWZ	TZ
329			Blackwell Lk	307ac	ABDF	11,18,19	SWZ	TZ
330			Grants Lk	180ac	ABDF	11,18,19	SWZ	TZ
331			Echo Lk	107ac	ABDF	11,18,19	SWZ	TZ
332			Mattson Lk	264ac	ABDF	11,18,19	SWZ	TZ
333			East Olaf Lk	102ac	ABDF	11,18,19	SWZ	TZ
334			West Olaf Lk	54ac	ABDF	11,18,19	SWZ	TZ
335			Minister Lk	97ac	ABDF	11,18,19	SWZ	TZ
336			Elizabeth Lk	76ac	ABDF	11,18,19	SWZ	TZ
337			Williams Lk	261ac	ABDF	11,18,19	SWZ	TZ
338			Gilbert Lk	51ac	ABDF	11,18,19	SWZ	TZ
339			Crooked LK	253ac	ABDF	11,18,19	SWZ	TZ
340			Round LK	64ac	ABDF	11,18,19	SWZ	TZ
341			Lobster Lk	1308ac	ABDF	11,18,19	SWZ	TZ
342			Lobster Lk		ABDF	11,18,19	SWZ	TZ
343			Upper Hunt Lk	106ac	ABDF	11,18,19	SWZ	TZ
344			Lower Hunt Lk	120ac	ABDF	11,18,19	SWZ	TZ
345			Little Chippewa Lk	176ac	ABDF	11,18,19	SWZ	TZ
346			Devils Lk	221ac	ABDF	11,18,19	SWZ	TZ
347			Whiskey Lk	162ac	ABDF	11,18,19	SWZ	TZ
348			Long Lk	190ac	ABDF	11,18,19	SWZ	TZ
349			Moon Lk	127Aac	ABDF	11,18,19	SWZ	TZ
350			Aldrich Lk	178ac	ABDF	11,18,19	SWZ	TZ
351			Nelson Lk	102ac	ABDF	11,18,19	SWZ	TZ
352			Lk Aaron	545ac	ABDF	11,18,19	SWZ	TZ
353			Lk Moses	822ac	ABDF	11,18,19	SWZ	TZ
354			Turtle Lk	220ac	ABDF	11,18,19	SWZ	TZ
355			Mud Lk	139ac	ABDF	11,18,19	SWZ	TZ
356			Lk Charlie	93ac	ABDF	11,18,19	SWZ	TZ
357			Lk Miltona	5838ac	ABDF	11,18,19	SWZ	TZ
358			Indian Lk	76ac	ABDF	11,18,19	SWZ	TZ
359			Maple Lk	835ac	ABDF	11,18,19	SWZ	TZ
360			Freeborn Lk	–	BDFG	19,11,16	UW	UX
361			Ida Lk	–	BDG	11,65,16	TX	UV
362			Indian Lk	–	BFG	11,16	TW	V
363			Irene Lk	–	BG	65	TW	UX
364			Lobster Lk	–	BDFG	19,11,65,16	TW	UVX
365			Lobster Lk		BDFG	19,11,65,16	TW	UVX

A304L=LONG A304M= CO=21 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
366			Le Homme Dieu Lk	-	BG	19	UX	UX
367			Maple Lk	-	BFG	43,65,16,19	TX	U
368			Mill Lk	-	BFG	19,11,65	TX	U
369			Oscar Lk	-	BDFG	19,11,65,16	TW	UVX
370			Pocket Lk	-	ABDFG	19,11,65,16	SW	TX
371			Red Rock Lk	-	BDFG	19,11,65,16	TW	UX
372			Smith Lk	-	BDFG	19,11,16	TW	UX
373			Stowe Lk	-	BDFG	19,11,16	SW	TX
374			Aaron Lk	545ac	BDF	11,14,16,19,65,76	TW	UX
375			Carlos Lk	2520ac	ABG	11,14,19,32,41,43,65,76	TV	UY
376			Krueger Slough	120ac	ABDF	11,18,19	SWZ	TZ
377			Schulz Lk	-	ABDF	11,18,19	SWZ	TZ
378			Swim Lk	-	ABDF	11,18,19	SWZ	TZ
379			Smith Lk	648ac	ABDF	11,18,19	SWZ	TZ

A304L=LONG A304M= CO=21 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
380	07010108	007	LONG PRAIRIE R		DFG	11,12,14,16,19,76,77	TW	UY
381	07010108	007	LONG PRAIRIE R		ABDF	11,18,19	SWZ	TZ
382	07010108	010	LONG PRAIRIE R	-	DFG	11,12,14,16,19,76,77	TW	UY
383	07010108	010	LONG PRAIRIE R	-	ABDF	11,18,19	SWZ	TZ
384	07020005	022	CHIPPEWA R	-	ABDF	11,18,19	SWZ	TZ
385	07020005	522	HUNT LKS+WOLF CK (CHIPPEWA R)		ABDF	11,18,19	SWZ	TZ
386	07020005	622	CD 60 (CHIPPEWA R)		ABDF	11,18,19	SWZ	TZ
387	07020005	722	CD 60 (CHIPPEWA R)		ABDF	11,18,19	SWZ	TZ
388	09020102	001	MUSTINKA R	-	DFG	71,76,77,11,12,14,16,18,19	SW	TY
389	09020102	002	MUSTINKA R		DFG	71,76,77,11,12,14,16,18,19	SW	TY
390	09020102	003	MUSTINKA R, W BR		DFG	71,76,77,11,12,14,16,18,19	SW	TY
391	09020102	004	MUSTINKA R, W BR		DFG	71,76,77,11,12,14,16,18,19	SW	TY
392	09020102	006	MUSTINKA R		DFG	71,76,77,11,12,14,16,18,19	SW	TY
393	09020102	010	MUSTINKA R		DFG	71,76,77,11,12,14,16,18,19	SW	TY

A304L=LONG A304M= CO=22 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
394			Bass Lk	all	ABDF	11,18,19,65	UXZ	-

A304L=LONG A304M= CO=23 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
395	?	?	Pine Cr	5	ACFGH	11,14,18,19	S	U
396	07040008	x09	Big Springs Cr	6	ACFGH	11,14,18,19	S	UX
397	07040008	031	WATSON CR	-	CDF	14	S	U
398	07040008	045	RICEFORD CR	10	ACFGH	11,14,18,19	S	U
399	07040008	145	RICEFORD CREEK		ACFGH	11,14,18,19	S	U
400	07040008	245	RICEFORD CREEK		ACFGH	11,14,18,19	S	U
401	07040008	345	RICEFORD CREEK		ACFGH	11,14,18,19	S	U
402	07040008	445	RICEFORD CREEK		ACFGH	11,14,18,19	S	U
403	07040008	545	RICEFORD CREEK		ACFGH	11,14,18,19	S	U

A304L=LONG A304M= CO=24 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
404			Albert Lea Lk	-	BD	19	SW	-
405			Albert Lea Lk	2654ac	ABF	11,19,41,43,66	SW	TW
406			Geneva Lk	1875ac	BFG	11,19,74	SW	Z
407			Fountain Lk	555ac	ABDFG	11,19,41,43,77,71	TW	UX
408			Fountain Lk		ABDFG	11,19,41,43,77,71	TW	UX
409			Bear Lk	1600ac	BDFG	11,19,71,76	TWZ	S
410			Geneva Lk	1900ac	BDF	11,19,65,71	SW	-
411			Fountain Lk	all	B	19	UW	XV
412			Fountain Lk		B	19	UW	XV
413			Twin Lk	all	ABF	19	S	Z
414			Geneva Lk	all	ABF	19	S	Z
415			Bear Lk	all	ABF	19	T	Z

A304L=LONG A304M= CO=26 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
416			Pelican Lk	all	ABDFG	19,11,65	TW	UX
417			Barrett Lk	all	BDFG	19,40,11,18	TW	UX
418			Lightning Lk	1sqmi	BD	11,18	TW	UY
419			Pomme De Terre Lk	4sqmi	BD	11,19	UX	UY
420			Big Lk	.75sqmi	D	11,19	Y	Y
421			Barrett Lk	1.5sq	D	11,19	TX	UY
422			Pelican Lk	8sq	D	11,19	TW	UY
423			Elbow Lk	1sq	D	11,19	Z	Z
424			Pelican Lk	-	ABDF	11,18,19	SWZ	TZ
425			Barrett Lk	-	BDFG	43,19,11,16,	TW	UX
426			Pelican Lk	-	ABDFG	19,11,65	TW	UX
427			Cottonwood Lk	247	BD	11,16,19	TW	UX
428			Pomme De Terre Lk	1794ac	ABDF	11,12,14,16,19,65,76	TW	UX
429			Lightning Lk	-	ABDG	19,11,65	UW	X
430			Pomme De Terre Lk	-	BDFG	19,11,65	UW	X

A304L=LONG A304M= CO=26 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
431	07020002	002	POMME DE TERRE R	26mi	D	11,19	Z	T
432	07020005	022	CHIPPEWA R	11mi	D	11,19	Z	T
433	09020102	010	MUSTINKA R		D	11,72,19	Z	Z
434	09020102	014	MUSTINKA R	23mi	D	11,72,19	Z	Z

A304L=LONG A304M= CO=27 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
435			Sylvan Lk	–	BF	16,18	Y	Z
436			Minnetonka Lk	22	ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
437			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
438			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
439			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
440			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
441			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
442			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
443			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
444			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
445			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
446			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
447			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
448			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
449			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
450			Minnetonka Lk		ABD	14,11,18,19,32,31,41,43,65,72,77,76	VXZ	–
451			Nokomis Lk	201ac	ABCH	41,43,80	Z	–
452			Galpin Lk	45ac	BG	41,43,31,32	Z	–
453			Long Lk	320ac	ABFG	11,14,18,32,31,41,43,76	Z	–
454			Wolsteld Lk	45ac	B	90	Z	–
455			Sylvan Lk	–	BF	16,18	Y	Z
456			Hadley Lk	59ac	ABDF	41,43,76	Z	–
457			Gleason Lk	190ac	ABDF	32,41,43,76	Z	–
458			Tanager Lk	74ac	BFI	14,32,43,76	Z	–
459			Mooney Lk	118ac	ABD	11,14,32,43,80	Z	–
460			Langdon Lk	182ac	ABDI	62,41,43,80	Z	–
461			Peavy Lk	9ac	ABDI	62,43,80	Z	–
462			Meadowbrook Lk	83ac	BD	41,43,76,77	Z	–
463			Bass Lk	55ac	BDI	41,43,32	Z	–
464			Garfield Lk	800ac	B	90	S	S
465			Hart Lk	180ac	B	90	Z	Z
466			Crystal Lk	70ac	F	41,43	XT	–
467			Twin Lks	229ac	B	41,43	XT	–
468			Twin Lks		B	41,43	XT	–
469			Twin Lks		B	41,43	XT	–
470			Meadow Lk	11ac	F	41,43	Z	–
471			Ryan Lk	35ac	B	41,43	Z	–
472			Palmer Lk	271ac	AB	32,41,43	S	–
473			Magda Lk	12ac	F	41,43	Z	–
474			Bass Lk	175ac	F	31,32,41,43	XT	–
475			Pomerleau Lk	35ac	F	32,41,43	Z	–
476			Schmidt Lk	47ac	F	32,41,43	T	X
477			Eagle Lk	544ac	F	32,41,43,31	XT	–
478			pike lk		F	32,41,43,31	XT	–

A304L=LONG A304M= CO=27 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
479			Cedar Island Lk	80ac	F	31,32,41,43	XT	-
480			Curtis Lk	31ac	F	31,32	-	T
481			Lk Success	8ac	F	41,43	Z	-
482			Harriet Lk	337ac	B	41	-	ZUX
483			Nokomis Lk	199ac	B	41	-	ZUX
484			Calhoun Lk	416ac	B	41	-	ZUX
485			Crystal Lk	74ac	B	41	-	ZUX
486			Brownie Lk	21ac	B	41	-	Z
487			Cedar Lk	167ac	B	41	-	Z
488			Lk Of The Isles	157ac	B	41	-	Z
489			Twin Lk	201ac	B	41	-	UX
490			Twin Lk		B	41	-	UX
491			Twin Lk		B	41	-	UX
492			Bush Lk	207ac	B	41	-	UX
493			Hyland Lk	87ac	BD	41	-	Z
494			Champlin Mill Pond	38ac	BDH	11,14,43	-	ZX
495			Staring Lk	155ac	B	11,14,43	-	UZ
496			Gleason Lk	167ac	B	41	-	Z
497			Bass Lk	175ac	BA	41,43	-	UX
498			Medicine Lk	924ac	B	11,41,43,14	-	UXZ
499			Hadley Lk	39ac	B	41	-	Z
500			Diamond Lk	408ac	B	11,14,18	S	UZ
501			Wolsfeld Lk	36ac	B	11,14	S	UZ
502			Holy Name Lk	80ac	BA	11,14	S	UZ
503			Long Lk	279ac	B	11,14	T	UZ
504			Jubert Lk	75ac	B	11,14	S	UZ
505			Independence Lk	828ac	B	11,14,65	T	UZ
506			Sarah Lk	586ac	B	11,14,65	UW	UZX
507			Lk Minnetonka	22ac	ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
508			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
509			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
510			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
511			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
512			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
513			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
514			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
515			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
516			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
517			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
518			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
519			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
520			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
521			Lk Minnetonka		ABD	14,11,18,19,32,31,41,43,65,72,76,77	UXZ	-
522			Nokomis Lk	201ac	ABCH	41,43,80	Z	-
523			Galpin Lk	45ac	BG	41,43,31,32	Z	-
524			Long Lk	320ac	ABFG	11,14,18,32,31,41,43,76	Z	-
525			Wolsfeld Lk	45ac	B	90	Z	-
526			Gleason	190ac	ABDF	32,41,43,76	Z	-
527			Tanager	74ac	BFI	14,32,43,76	Z	-
528			Mooney	118ac	ABD	11,14,32,43,80	Z	-
529			Langdon Lk	182ac	ABDI	62,41,43,80	Z	-
530			Peavey Lk	9ac	ABDI	62,43,80	Z	-
531			Meadowbrook Lk	83ac	BD	41,43,76,77	Z	-
532			Bass Lk	55ac	BDI	41,43,32	Z	-

A304L=LONG A304M= CO=27 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
533			Hadley Lk	59ac	ABDF	41,43,76	Z	-

A304L=LONG A304M= CO=27 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
534	07010206	x02	Edinbrook	5.3mi	DF	31,32,41,43	Z	-
535	07010206	x02	Bass Cr	3mi	FD	32,41,43	-	T
536	07010206	x02	Eagle Cr	0.8mi	FD	32,41,43	-	T
537	07010206	x02	Long Lake Cr	2.2mi	F	11,14,19,43,65	Z	-
538	07010206	x04	Oxbow Cr	1.6mi	DF	11,14,32	Z	-
539	07010206	x08	Painter Ck	5.5mi	ADF	11,14,18,19,32,43,	Z	-
540	07010206	x08	Long Lk Ck	2.2mi	F	11,14,19,43,65	Z	-
541	07010206	004	MISSISSIPPI R	-	DF	32,41,43	TX	-
542	07010206	108		5.5mi	ADF	11,14,18,19,32,43	Z	-
543	07010206	202	MISSISSIPPI R		DF	32,41,43	TX	-
544	07010206	802	SHINGLE CREEK	11.2mi	FD	32,41,43	T	-
545	07010206	902	RYAN CREEK	1.8mi	FD	41,43	-	T

A304L=LONG A304M= CO=27 WBT=WETLAND

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
546			Wetland	45ac	H	32,41,43	Z	-
547			Wetland	12ac	H	11,14	Z	-
548			Wetland	7ac	H	32,41,43	Z	-
549			Wetland	16ac	H	32,41,43	Z	-
550			Wetland	8ac	H	12,32	Z	-
551			Wetland	26ac	H	32,41,43	Z	-
552			Wetland	17ac	H	32,41,43	Z	-
553			Wetland	130ac	H	32,41,43	Z	-

A304L=LONG A304M= CO=28 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
554	07040008	x10	Money Cr	10	ACFGH	11,14,18,19	S	U
555	07060001	017	MISSISSIPPI R		C	90	TW	UX
556	07060001	021	MISSISSIPPI R	all	C	90	TW	UX

A304L=LONG A304M= CO=29 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
557			Portage Lk	–	BD	90	SW	XV
558			North Twin Lk	–	BDAH	90,62,41	SW	UXZ
559			Midge Lk	521	AB	14,31,32,65	SW	UX
560			Plantaganette	2529.4	H	32,65	UX	–
561			Grace Lk	868	B	32,65,31	UX	–
562			Portage Lk	all	AB	40,19	SW	UZ
563			Fishhook Lk	all	D	40,65,19,30	TX	UZ
564			Long Lk	all	H	40,65,19,30,11	TX	UYZ
565			Eleventh Crow Wing Lk	all	DH	40,65,19,30,80	SW	UYZ
566			Belle Taine Lk	all	BH	40,65,19,30	TW	UXZ

A304L=LONG A304M= CO=29 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
567	07010106	x31	Fish Hook R	all	G	90	S	T

A304L=LONG A304M= CO=30 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
568			Green Lk	802	BFG	12,14,16,32,43	UW	–
569			Fannie Lk	282	BFG	12,14,16,32,43	UW	–
570			Skogman Lk	215	BFG	12,14,16,32,43,	UW	–
571			Long Lk	2sqmi	B	65	T	W
572			German Lk	–	B	65	S	W
573			Francis Lk	–	B	65	S	W
574			So Stanchfield Lk	–	A	11,18,19	S	W
575			Rum Lk	–	D	11,18,19	S	W
576			No Stanchfield Lk	–	A	11,18,19	S	W
577			Blue Lk	–	B	12,19	UX	–
578			Blue Lk		B	12,19	UX	–
579			Green Lk	–	B	65,11,19,80	UX	–
580			Little Stanchfield Lk	–	BDF	11,18,19	U	X

A304L=LONG A304M= CO=30 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
581	07010207	009	RUM R	–	BDFG	11,18,19	UW	–

A304L=LONG A304M= CO=31 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
582			Swan Lk	2300ac	BC	65	TX	-
583			Swan Lk		BC	65	TX	-
584			Swan Lk	-	ABCH	43,50,65,90	TWZ	UX
585			Swan Lk		ABCH	43,50,65,90	TWZ	UX
586			Swan Lk	2600ac	BD	51,65,80	W	X
587			Swan Lk		BD	51,65,80	W	X
588			Lawrence Lk	382ac	BF	90	-	-
589			Swan Lk	-	ABCH	43,50,65,90	TWZ	UX
590			Swan Lk		ABCH	43,50,65,90	TWZ	UX
591			Trout Lk	6	BD	62,57	UT	ST
592			Swan Lk	2000ac	B	90	TW	UX
593			Swan Lk		B	90	TW	UX
594			Swan Lk	all	ABCG	40,51,65,19,90	TWZ	UX
595			Swan Lk		ABCG	40,51,65,19,90	TWZ	UX

A304L=LONG A304M= CO=31 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
596	?	?	Small Ck	.5	FH	90	Y	Y
597	?	?	Twin Springs	2.5mi	ABI	73,76	TV	S

A304L=LONG A304M= CO=32 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
598			Heron Lk	13	ABDF	11,41,62,90	TWZ	UXZ
599			Heron Lk		ABDF	11,41,62,90	TWZ	UXZ
600			Heron Lk		ABDF	11,41,62,90	TWZ	UXZ
601			Heron Lk		ABDF	11,41,62,90	TWZ	UXZ
602			Heron Lk		ABDF	11,41,62,90	TWZ	UXZ
603			Heron Lk		ABDF	11,41,62,90	TWZ	UXZ
604			Heron Lk		ABDF	11,41,62,90	TWZ	UXZ
605			Heron Lk	8251ac	BDF	11	SW	-
606			Heron Lk		BDF	11	SW	-
607			Heron Lk		BDF	11	SW	-
608			Heron Lk		BDF	11	SW	-
609			Heron Lk		BDF	11	SW	-
610			Heron Lk		BDF	11	SW	-
611			Heron Lk		BDF	11	SW	-
612			Illinois Lk	246ac	BDF	11	Z	-
613			Heron Lk	all	ABDFG	40,11,80	SWZ	TX
614			Heron Lk		ABDFG	40,11,80	SWZ	TX
615			Heron Lk		ABDFG	40,11,80	SWZ	TX
616			Heron Lk		ABDFG	40,11,80	SWZ	TX
617			Heron Lk		ABDFG	40,11,80	SWZ	TX
618			Heron Lk		ABDFG	40,11,80	SWZ	TX
619			Heron Lk		ABDFG	40,11,80	SWZ	TX
620			Loon Lk	all	BD	11,80	UW	UX

A304L=LONG A304M= CO=32 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
621	07100001	029	OKABENA CR		ADF	11,62	S	T
622	07100001	131	OKABENA CREEK	16	ADF	11,62	S	T

A304L=LONG A304M= CO=33 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
623			Knife Lk	all	B	18,43	T	-
624			Ann Lk	all	B	43	T	-
625			Fish Lk	all	B	43,18	TY	-
626			Knife Lk	1258	BFG	12,14,16,32,43	UW	-
627			Fish Lk	407	BFG	12,14,16,32,43	UW	-

A304L=LONG A304M= CO=34 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
628			Calhoun Lk	1400ac	BD	11,19	T	U
629			East Solomon Lk	730	BD	11,19	S	T
630			Elizabeth	1150ac	BC	19,14,16	S	T
631			Games Lk	560ac	B	11,19	TX-	UX+
632			George Lk	250ac	BC	19,65	TX	UX
633			Green Lk	5280ac	B	11,19,41,43	VX	-
634			Long (Irving)	360ac	BD	12,19	TW	VX
635			Norway Lk	2500ac	BDC	11,16,19,65	TW	VX
636			St. Johns Lk	240ac	BD	11,19,65	SW	TX
637			Big Kandiyohi	2877ac	BDF	12,18,19,65	WT	U
638			Diamond Lk	1697ac	BDF	12,18,19	W	UX
639			Nest Lk	1019ac	BDG	14,19	WT	UX
640			Lillian Lk	1608ac	BDF	12,19	WT	U
641			Big Kandiyohi Lk	2877	BDF	14,18,19	UW	-
642			Diamond Lk	1697	BDF	14,16,18,19,65	UW	-
643			Calhoun Lk	1396	BDF	14,16,18,19	TW	-
644			Elizabeth Lk	1153	BDFA	14,16,18,19	TW	-
645			Ella Lk	153	ABDF	14,16,18,19	TW	-
646			Lillian Lk	1608	ABDF	14,16,18,19	TW	-
647			Henderson Lk	91	BDF	14,16,18,19	UW	-
648			Elkhorn Lk	79	BDF	14,16,18,19	UW	-
649			Nest Lk	1019	BDF	14,16,18,19,62	UW	-
650			Wagonga Lk	1796	ABDF	14,16,18,19,62	SW	-
651			Wagonga Lk		ABDF	14,16,18,19,62	SW	-
652			Wagonga Lk		ABDF	14,16,18,19,62	SW	-
653			Wagonga Lk		ABDF	14,16,18,19,62	SW	-
654			Wagonga Lk		ABDF	14,16,18,19,62	SW	-
655			Willmar Lk	761	ABDF	14,16,18,19,65	TW	-
656			Foot Lk	576	ABDF	14,16,18,19,41,43,65	TW	-
657			Long Lk	1715	ABDF	14,16,15,19,65	UW	-
658			Point Lk	157	ABDF	14,19,65	UW	-
659			Skatans Lk	218	ABDF	14,16,18,19,65	SW	-
660			Andrew Lk	781	BDF	14,16,18,19,65	UW	-
661			Florida Lk	801	BDF	14,16,18,19,65	UW	-
662			Games Lk	557	BDF	14,16,18,19,65	UW	-

A304L=LONG A304M= CO=34 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
663			E Solomon Lk	733	ABDF	14,16,18,19	SW	--
664			Norway Lk	2496	ABDF	14,16,18,19	UW	--
665			Swenson Lk	123	ABDF	14,16,18,19	TW	--
666			Point Lk	135ac	BD	11,19	SW	TX

A304L=LONG A304M= CO=35 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
667			Bronson Lk	313ac	AB	90(11,19,71,?)	UX	-
668			Bronson Lk	1	BD	11,12,19	TW	UX

A304L=LONG A304M= CO=36 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
669			Bartlett Lk	-	ABD	41,43,62	SW	-

A304L=LONG A304M= CO=36 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
670	09030004	001	RAINY R	34	CA	11,14,18,19	UW	UX
671	09030004	011	RAINY R		CA	11,14,18,19	UW	UX
672	09030004	012	RAINY R		CA	11,14,18,19	UW	UX
673	09030004	013	RAINY R		CA	11,14,18,19	UW	UX

A304L=LONG A304M= CO=37 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
674			Lac Qui Parle Lk	all	BDF	65,11,18,19	UW	S
675			Lac Qui Parle Lk		BDF	65,11,18,19	UW	S
676			Lac Qui Parle Lk	8400ac	ABDF	11,19,71,72,76	TW	UX
677			Lac Qui Parle Lk		ABDF	11,19,71,72,76	TW	UX
678			Lac Qui Parle	-	ABDF	11,16,19	SW	U
679			Lac Qui Parle	-	ABDF	11,16,19	SW	U
680			Lac Qui Parle Lk	all	DF	40,19,65,18,90	U	X
681			Lac Qui Parle Lk		DF	40,19,65,18,90	U	X

A304L=LONG A304M= CO=37 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
682	07020004	020	MINNESOTA R	60mi	BDF	65,41,43,11,18,19	UWY	Y
683	07020004	020	MINNESOTA R	all	DCF	19,11,65,18	U	X

A304L=LONG A304M= CO=40 WBT=AQUIFER

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
684			Steele Lk	-	ABF	19,11	S	T

A304L=LONG A304M= CO=40 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
685			Tetonka Lk	-	BDFG	40,19,11,65,18	T	U
686			Rays Lk	-	AB	19,11,65,40	Z	U
687			Roemhildt Lk	-	B	19	U	U
688			German Lk	-	B	19,11,18,40	U	U
689			Jefferson Lk	-	B	19,11,18,40	U	U
690			Jefferson Lk		B	19,11,18,40	U	U
691			Jefferson Lk		B	19,11,18,40	U	U
692			Jefferson Lk		B	19,11,18,40	U	U
693			Washington Lk	-	B	19,11,18,40	U	U
694			Emily Lk	-	B	19,11,18,40	Z	U
695			Clear Lk	-	ABF	19,11,65,40	T	U
696			Greenleaf Lk	-	ABF	19,11,65,40	S	U
697			Volney Lk	-	ABDF	19,11,18,65,40	T	U
698			Gorman Lk	-	ABDF	19,11,65,40	Z	U
699			Sabre Lk	-	ABDF	19,11,65,40	Z	U
700			Henry Lk	-	AB	11,19	S	U
701			Upper Sakata	-	BDF	19,11,65	T	U
702			Gorman Lk	590ac	DF	11,71	Z	Z
703			Greenleaf Lk	306ac	DF	11,71	Z	Z
704			Diamond Lk	120ac	BDF	71,11,19,18	Z	Z
705			Sanborn Lk	448ac	BDF	71,11,19,18	Z	Z
706			Rice Lk	375ac	BDF	71,11,19,18	Z	ZU
707			Pepin Lk	403ac	DF	11,71	ZT	ZU
708			German Lk	975ac	DF	11,71	ZT	ZU
709			Jefferson Lk	2290ac	DF	11,71	TZ	UZ
710			Jefferson Lk		DF	11,71	TZ	UZ
711			Jefferson Lk		DF	11,71	TZ	UZ
712			Jefferson Lk		DF	11,71	TZ	UZ
713			Henry Lk	360ac	DF	11,71	Z	ZT
714			Scotch Lk	590ac	DF	11,71	ZT	ZU
715			No Goldsmith Lk	153ac	DF	11,71	Z	Z
716			So Goldsmith Lk	86ac	DF	11,71	Z	Z
717			Emily Lk	273ac	DF	11,71	ZT	ZU
718			Tetonka Lk	1336ac	DF	11,71	TZ	UZ
719			Sakatah Lk	881ac	DF	11,71	TZ	UZ
720			Frances Lk	870ac	DF	11,71	TZ	UZ
721			Volney Lk	268ac	DF	11,71	ZT	ZU
722			Volney Lk	259ac	B	18,16,11,65,43,19	TW	UX
723			Gorman Lk	499ac	AB	11,19,65	W	UX
724			Sabre Lk	268ac	B	11,19	T	T
725			Tetonka Lk	1336ac	B	11,19,65,43	T	UX
726			Upper Sakatah Lk	990ac	B	11,19,65,43	TW	UX
727			Clear Lk	313ac	B	11,19,43	TW	TX
728			Greenleaf Lk	299ac	B	11,19	T	T
729			Washington Lk	all	ABDF	11,18,19,65	UXZ	-
730			Jefferson Lk	all	ABDF	11,18,19,65	UXZ	-
731			Volney Lk	all	ABDF	11,18,19,65	UXZ	-

A304L=LONG A304M= CO=40 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
732			Tetonka Lk	all	ABDF	11,18,19,65	UXZ	-
733			Pike Lk	57ac	D	11	Z	Z

A304L=LONG A304M= CO=41 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
734			Hendricks Lk	720ac	BD	11,19,65	TW	UX
735			Shaokatan Lk	720ac	D	11,16	TX	UX
736			Benton Lk	2000ac	BD	11,19,65	TW	UX
737			E Stay Lk	360ac	ABD	11,14,16,19,62	SW	-
738			W Stay Lk	360ac	ABD	11,14,16,19,62	SW	-
739			Steep Bank Lk	300ac	ABD	11,14,19	SW	U
740			No Ash Lk	250ac	ABDF	11,14,16,19	SW	-
741			So Ash Lk	250ac	ABDF	11,14,16,19	SW	-
742			Drietz Lk	70ac	ABDF	11,14,16,19	SW	-
743			Oak Lk	80ac	ABDF	11,19,51	SW	-
744			Gislason Lk	90ac	ABD	11,19	Y	-
745			Benton Lk	2875ac	ABDF	11	UW	UX
746			Shaokaton Lk	1043ac	ABDF	11	UW	UX
747			Dead Coon Lk	555ac	ABDF	11	UW	UX
748			Hendricks Lk	1634ac	ABDF	11	UW	UX
749			Perch Lk	206ac	ABDF	11	T	UX
750			Steep Bank Lk	208ac	ABDF	11	T	UX
751			E Stay Lk	220ac	ABDF	11	S	TW
752			Hendricks Lk	-	ABDF	11,16,19	SW	U
753			Shakotan Lk	-	ABDF	11,16,19	UW	UX
754			Benton Lk	-	ABDF	11,16,19	TW	UX

A304L=LONG A304M= CO=42 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
755			Lady Slipper Lk	262ac	ABDF	11	Z	T
756			School Grove Lk	348ac	ABDF	11	TW	UX
757			Yankton Lk	382ac	ABDF	11	TW	UX
758			Rock Lk	422ac	ABDF	11	T	UX
759			Marguerite Lk	351ac	ABDF	11	Z	UX
760			Goose Lk	151ac	ABDF	11	SW	UX
761			Cottonwood Lk	383ac	ABDF	11	W	X
762			Lone Tree Lk	82ac	ABDF	11	Z	Z
763			Rock Lk	360ac	AD	19	U	-
764			Cottonwood Lk	450ac	D	11	SX	-
765			Lady Slipper Lk	300ac	D	76	T	-
766			Yankton Lk	540ac	B	31,75	XT	-
767			School Grove Lk	348	ABDF	14,16,18,19	TW	-
768			Cottonwood Lk	383	ABDF	14,16,18,19,41	SW	-

A304L=LONG A304M= CO=42 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
769	07020006	004	REDWOOD R		GD	11	V	-
770	07020006	005	THREEMILE CR	17mi	I	19	Y	-
771	07020006	009	REDWOOD R	all	GD	11	V	-
772	07020006	106	REDWOOD R		GD	11	V	-
773	07020006	206	REDWOOD R		GD	11	V	-
774	07020006	306	REDWOOD R		GD	11	V	-
775	07020008	010	MEADOW CR	-	D	11	Z	-

A304L=LONG A304M= CO=43 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
776			Marion Lk	616ac	ABF	19,32,43,65	WT	U
777			Baker's Lk	469	DF	11,71	Z	Z
778			Allen Lk	238	DF	11,71	Z	Z
779			Addie Lk	251	DF	11,71	Z	Z
780			Otter Lk	729	DF	11,71	Z	ZT
781			Silver Lk	450ac	BDF	41,11,14,65	SW	X
782			Marion Lk	-	BD	11,18,19	TW	UX
783			Silver Lk	-	B	41,43	-	-
784			Swan Lk	-	AD	11,18,19	T	U
785			Stahl Lk	-	AD	11,18,19	T	U
786			Winsted Lk	-	BD	11,18,19,41,43,	SW	UX
787			Addie Lk	-	AD	11,18,19	S	T

A304L=LONG A304M= CO=43 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
788	07010205	001	CROW R, S FK	all	ABDGFH	40,19,65,18	TW	UX
789	07010205	001	CROW R, S FK	9mi	CDF	11,19,32,41,43,65	SW	TX
790	07010205	002	CROW R, S FK		ABDGFH	40,19,65,18	TW	UX
791	07010205	002	CROW R, S FK		CDF	11,19,32,41,43,65	SW	TX
792	07010205	004	CROW R, S FK		ABDGFH	40,19,65,18	TW	UX
793	07010205	004	CROW R, S FK		DFG	11,71,76,77	S	T
794	07010205	004	CROW R, S FK		CDF	11,19,32,41,43,65	SW	TX
795	07010205	006	CROW R, S FK		ABDGFH	40,19,65,18	TW	UX
796	07010205	006	CROW R, S FK	25mi	DFG	11,71,76,77	S	T
797	07010205	006	CROW R, S FK		CDF	11,19,32,41,43,65	SW	TX
798	07010205	007	BUFFALO CR		DFG	11,71,76,77	S	T
799	07010205	007	BUFFALO CR	-	FAD	11,18,19,41	S	T
800	07010205	008	BUFFALO CR	32mi	DFG	11,71,76,77	S	T
801	07010205	008	BUFFALO CR		FAD	11,18,19,41	S	T

A304L=LONG A304M= CO=44 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
802			Island Lk	all	ABFG	40,65	TW	UX
803			Island L	–	ABFG	65	TW	UX
804			Vanose Lk	650ac	BD	11,19	T	U
805			Island Lk	all	B	65	TU	–

A304L=LONG A304M= CO=44 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
806	09020108	005	WHITE EARTH R	–	D	11	U	S

A304L=LONG A304M= CO=45 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
807			Mud L	23700ac	D	11,71,72	Z	–

A304L=LONG A304M= CO=45 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
808	09020309	001	SNAKE R	60mi	AC	18,80	Y	Y
809	09020309	002	SNAKE R		AC	18,80	Y	Y
810	09020309	003	SNAKE R		AC	18,80	Y	Y

A304L=LONG A304M= CO=46 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
811			George Lk	–	H	43,90	–	–
812			Sisseton Lk	–	H	43,90	–	–
813			Budd Lk	–	H	43,90	–	–
814			Hall Lk	–	H	43,90	–	–
815			Amber Lk	–	H	43,90	–	–
816			George Lk	–	H	43,90	–	–
817			Sisseton Lk	–	H	43,90	–	–
818			Budd Lk	–	H	43,90	–	–
819			Hall Lk	–	H	43,90	–	–
820			Amber Lk	–	H	43,90	–	–

A304L=LONG A304M= CO=46 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
821	07020009	010	CENTER CR	15	H	19,41,62,77	S	S
822	07020009	612	Dutch Cr	2	DF	61	S	T
823	07100003	021	DES MOINES R, E BR	10	I	77	S	S

A304L=LONG A304M= CO=47 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
824			Ripley Lk	1060ac	BDF	19,32,41,65	WT	UX
825			Belle Lk	1035ac	ABDF	12,18,19	T	U
826			Clear Lk	703ac	BDF	14,19,43,65	Y	Y
827			Spring Lk	202ac	BF	14,19,43	Y	Y
828			Jennie Lk	1089ac	BDF	14,16,19,65	T	U
829			Francis Lk	1172ac	BG	65	SW	UX
830			Little Lk	210	B	11,19	VW	VW
831			Greenleaf Lk	280	ABC	11,19	SW	UW
832			Betty Lk	180	BCDF	65,71,90,11,14,18,19	TW	UW
833			Wolf Lk	300	AB	11,19,90	SW	TW
834			Eric Lk	200	BC	11,19,16,90	SW	UW
835			Belle Lk	1040	BCD	11,19,65,90	TW	UW
836			Cedar Lk	–	–	–	–	–
837			Willie Lk	200	AB	11,19,90	SW	TW
838			Thompson Lk	220	AB	11,19,71,90	SW	UX
839			Hoff Lk	160	AB	11,19,71,90	SW	TW
840			Star Lk	550	ABCD	11,19,65,71,90	SW	TW
841			Long Lk	160	ABC	11,19,16,65,71,90	SW	TW
842			Round Lk	280	AB	11,19,90	SW	TW
843			Minnesota Lk	170	–	–	–	–
844			Ripley Lk	1060	ABC	90,19,65	SW	UX
845			Minnie Belle Lk	560	ABCD	90,11,19,65,74	TX	UX
846			Clear Lk	700	ABCD	11,19,65,71,90	SW	UX
847			Richardson Lk	–	ABCD	11,19,65,90	SW	UX
848			Dunns Lk	150	ABCD	11,19,65,71,90	SW	UX
849			Washington Lk	2520	ABC	11,19,65,71,90	TW	UX
850			Stella Lk	630	BC	11,19,65,71,90	TW	UW
851			Manuella Lk	350	BCF	11,19,65,71,90	TX	UX
852			Jennie Lk	1090	ABC	11,19,65,16,90	TW	UX
853			Francis Lk	1170	BCF	11,19,65,71,90	TX	UX
854			Big Swan Lk	770	BCDF	11,19,65,90	TW	UX
855			Long Lk	870	ABC	11,19,65,90	SW	UX
856			Spring Lk	200	ABC	11,19,62,65,90	SW	UX

A304L=LONG A304M= CO=47 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
857	07010203	011	CLEARWATER CR		ABDFGH	43,19,65,16	TW	UX
858	07010203	015	CLEARWATER CR	–	CF	23,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
859	07010203	015	CLEARWATER CR	–	ABDFGH	43,19,65,16	TW	UX
860	07010204	004	CROW R, N FK		CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
861	07010204	005	CROW R, N FK		CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
862	07010204	005	CROW R, N FK		ABDFGH	43,19,65,16	TW	UX
863	07010204	006	CROW R, N FK		CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
864	07010204	006	CROW R, N FK		ABDFGH	43,19,65,16	TW	UX
865	07010204	007	CROW R, N FK		CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
866	07010204	007	CROW R, N FK	–	ABDFGH	43,19,65,16	TW	UX
867	07010204	012	CROW R, N FK	40.8mi	CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
868	07010204	013	CROW R, M FK		CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
869	07010204	014	CROW R, M FK	–	CF	22,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
870	07010204	304	SUCKER CREEK	–	CF	23,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
871	07010205	004	CROW R, S FK		ABDFGH	43,19,65,16	TW	UX

A304L=LONG A304M= CO=47 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
872	07010205	006	CROW R, S FK	-	CF	23,61,62,63,65,66,71,75,90,11,12,14,16,18,19	TW	TW
873	07010205	006	CROW R, S FK	-	ABDFGH	43,19,65,16	TW	UX

A304L=LONG A304M= CO=48 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
874			Silver Lk	181ac	BF	11,14,19	T	-
875			Rice Lk	487ac	BF	11,14,19	Z	-

A304L=LONG A304M= CO=49 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
876			Fish Trap Lk	all	BC	65	TW	XU
877			Pierz Lk	all	BC	65,90	TW	XU

A304L=LONG A304M= CO=49 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
878	07010104	001	MISSISSIPPI R	-	CD	77,76,31,32,56,66	Z	-
879	07010104	002	MISSISSIPPI R		CD	77,76,31,32,56,66	Z	-
880	07010104	003	MISSISSIPPI R		CD	77,76,31,32,56,66	Z	-
881	07010104	005	MISSISSIPPI R		CD	77,76,31,32,56,66	Z	-
882	07010104	013	MISSISSIPPI R		CD	77,76,31,32,56,66	Z	-
883	07010201	012	MISSISSIPPI R		CD	77,76,31,32,56,66	Z	-
884	07010201	013	MISSISSIPPI R		CD	77,76,31,32,56,66	Z	-
885	07010201	014	MISSISSIPPI R	-	CD	77,76,31,32,56,66	Z	-

A304L=LONG A304M= CO=50 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
886			E Side Lk	36ac	BCD	18,19,41,43,65	TW	UX
887			Louise Lk	35ac	ABCDF	14,16,18,19	T	U

A304L=LONG A304M= CO=51 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
888			Shetek Lk	3596ac	D	19,11	T	-
889			Second Fulda Lk	65ac	ABD	19,43	T	-
890			Lime Lk	316ac	ADB	19,11	T	-
891			Fox Lk	174ac	D	19	T	-
892			Sarah Lk	1176ac	DB	19,11	T	-
893			Currant Lk	394ac	D	19,14	T	-
894			Shetek Lk	3596	AB	14,16,19	T	Z
895			Bloody Lk	248	AB	19	T	-

A304L=LONG A304M= CO=51 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
896			Freemont Lk	204	AB	14,16,19	T	-
897			Fox Lk	174	AB	14,19	S	Z
898			Sarah Lk	1176	AB	14,16,19	T	Z
899			Maria Lk	425	B	14,16,19	Z	-
900			Buffalo Lk	124	B	14	T	Z
901			Louisa Lk	211	B	14,19	T	-
902			Lime Lk	316	B	14,19,62	T	-
903			Lk Shetek	-	ABDF	11,16,19	TW	UX
904			Fulda Lk	-	ABDF	11,16,19	SW	UX

A304L=LONG A304M= CO=53 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
905			W Graham Lk	526	AB	14,19	T	-
906			E Graham Lk	523	AB	14,19	T	-
907			Okabena Lk	785	AB	14,19,41,43	T	-
908			Ocheda Lk	1778	AB	14,19,41,43	Z	-
909			Ocheda Lk	2060ac	ABDF	11,14,16,18,19,61,65,74,76	SW	TW
910			W Graham Lk	520ac	ABDF	11,18,19,61,65	TW	UX
911			E Graham Lk	520ac	ABDF	11,18,19,61,65	TW	UX

A304L=LONG A304M= CO=53 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
912	10170204	026	ELK CR	17mi	ACDF	11,14,16,18,19,71,76,77,61	Y	Y

A304L=LONG A304M= CO=55 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
913			Florence Lk	70ac	ABCDFG	11,16,19,41,	S	TWZ
914			Mayowood Lk	20ac	ABCDFG	11,16,17,19,77	S	TWZ
915			Shady Lk	120ac	ABCDFG	11,16,18,65,77,74	SZ	TWZ
916			Florence Lk	70ac	ABCDFG	11,77,16,19,41	S	ZTW
917			Mayowood Lk	20ac	ABCDFG	11,16,19,77	S	ZTW
918			Shady Lk	120ac	ABCDFG	11,16,19,65,74,77	SZ	TZW

A304L=LONG A304M= CO=55 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
919	07040004	009	ZUMBRO R, M FK	239600ac	ABCDFG	11,16,19,77	SW	TW
920	07040004	010	ZUMBRO R, M FK		ABCDFG	11,16,19,77	SW	TW
921	07040004	011	ZUMBRO R, M FK, N BR		ABCDFG	11,16,19,77	SW	TW
922	07040004	011	ZUMBRO R, M FK, N BR		ABCDFG	11,16,19,77	SW	TW
923	07040004	012	ZUMBRO R, M FK	–	ABCDFG	11,16,19,77	SW	TW
924	07040004	012	ZUMBRO R, M FK		ABCDFG	11,16,19,77	SW	TW
925	07040004	013	ZUMBRO R, M FK, S BR		ABCDFG	11,16,19,77	SW	TW
926	07040004	013	ZUMBRO R, M FK, S BR		ABCDFG	11,16,19,77	SW	TW
927	07040004	014	DODGE CENTER CR		ABCDFG	11,16,19,77	SW	TW
928	07040004	014	DODGE CENTER CR		ABCDFG	11,16,19,77	SW	TW
929	07040004	015	ZUMBRO R, M FK, S BR		ABCDFG	11,16,19,77	SW	TW
930	07040004	112	TRIB TO M FK ZUMBRO R		ABCDFG	11,16,19,77	SW	TW
931	07040004	210	M FK ZUMBRO R		ABCDFG	11,16,19,77	SW	TW
932	07040008	012	ROOT R, M BR		DFG	19,11,18	SY	UY
933	07040008	013	ROOT R, M BR		DFG	19,11,18	SY	UY
934	07040008	015	ROOT R, M BR		DFG	19,11,18	SY	UY
935	07040008	016	ROOT R, N BR		ABCDFG	11,16,19,77,62	TWZ	UWZ
936	07040008	016	ROOT R, N BR		DFG	19,11,18	SY	UY
937	07040008	018	ROOT R, N BR	–	ABCDFG	11,16,19,62,77	ZTW	ZUW
938	07040008	018	ROOT R, N BR	99520ac	ABCDFG	11,16,19,77,62	TWZ	UWZ
939	07040008	018	ROOT R, N BR	all	DFG	19,11,18	SY	UY

A304L=LONG A304M= CO=56 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
940			Holo Lk	83	A	16	S	–
941			Hansel Lk	124	B	18	S	–
942			Wall Lk	756	B	18	U	–
943			Johnson Lk	372	B	18	U	–
944			Dane Lk	120	AB	18	S	–

A304L=LONG A304M= CO=56 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
945	09020103	?-?	Balmoral Ck	–	CB	16	Y	–
946	09020103	001	OTTER TAIL R	30mi	D	11	S	–
947	09020103	016	PELICAN R	–	BC	18	Z	–

A304L=LONG A304M= CO=58 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
948			Cross Lk	all	B	43	T	-
949			Pokegama Lk	all	B	43,14	T	-
950			Cross Lk	all	B	43,41,65,76	SW	-
951			Pokegama Lk	all	BC	43,76,65	SW	-
952			Cross Lk	938	BFG	12,14,16,32,43	UW	-
953			Pokegama Lk	1474	BFG	12,14,16,32,43	UW	-
954			Big Pine Lk	387	BFG	12,14,16,32,43	UW	-
955			Pokegama Lk	1300ac	AB	14,80	Y	Y
956			Island Lk	500ac	B	18,43	V	V

A304L=LONG A304M= CO=58 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
957	07030004	x03	Pokegama Cr	-	CB	62,65	SW	-
958	07030004	001	SNAKE R		DG	31,75,77	TW	-
959	07030004	003	SNAKE R	2mi	DG	31,75,77	TW	-
960	07030005	029	ROCK CR	1mi	DGB	43	Z	-

A304L=LONG A304M= CO=59 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
961			Split Rock Lk	24.0sqmi	ABCDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	UX

A304L=LONG A304M= CO=59 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
962	07020006	009	REDWOOD R	22.4sqmi	DFG	11,14,16,18,19,31,32,41,43,51,62,65,71,73,74,77	SW	UW
963	10170203	024	BEAVER CR	8.7sqmi	DFG	11,14,16,18,19,31,65,71,74,77	SW	TW
964	10170203	028	SPLIT ROCK CR		CDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	UW
965	10170203	029	SPLIT ROCK CR		CDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	UW
966	10170203	031	SPLIT ROCK CR		CDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	UW
967	10170203	032	SPLIT ROCK CR	52.4sqmi	CDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	UW
968	10170203	036	W PIPESTONE CR	20.7sqmi	DFG	11,14,16,18,19,65,71,74,77	SW	TW
969	10170203	148	FLANDREAU CREEK	55.8sqmi	CDFG	11,14,16,18,19,31,65,71,74,77	SW	TW
970	10170203	248	FLANDREAU CREEK		CDFG	11,14,16,18,19,31,65,71,74,77	SW	TW
971	10170204	034	CHANARAMBIE CR	14.0sqmicdfg	CDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	TW
972	10170204	036	POPLAR CR	31.0sqmi	CDFG	11,14,16,18,19,31,32,41,43,51,62,65,71,74,77	SW	UW

A304L=LONG A304M= CO=60 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
973			Maple Lk	all	ABDFG	11,19,40,65	TW	UX
974			Union Lk	910ac	FGH	90(19,32,65,76,?)	UX	-
975			Maple Lk	-	ABDFG	19,11,65	TW	UX
976			Cameron Lk	-	ABD	41,43,62	SW	-
977			Badger Lk	-	AB	62	SW	-
978			Oak Lk	-	AB	11	SW	-
979			Whitefish Lk	-	AB	11,14	TW	-
980			Hill River Lk	-	ABD	11,14,16	TW	-
981			Cross Lk	-	ABF	11,18	TW	-
982			Perch Lk	-	ABF	11,18	SW	-
983			Turtle Lk	-	ABF	11,18	SW	-

A304L=LONG A304M= CO=61 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
984			Amelia Lk	all	BG	19,11,65,18,40	TX	U
985			Grove	all	ABDFG	19,11,65	SW	TX
986			Pelican Lk	all	ABDFG	19,11,65	TX	UX
987			Lake Reno	-	ABDF	11,18,19	SWZ	TZ
988			Minnewaska Lk	-	BDFG	43,19,11,20	UW	X
989			Pelican Lk	-	ABDF	19,11,20	TW	UX
990			Grove Lk	-	ABDF	19,11,20	TW	UX
991			Leven Lk	-	ABDF	19,11,20	TW	UX
992			Ann Lk	-	ABDF	19,11,20,16	SW	UX
993			Amelia Lk	-	BG	19,11,65,16	TX	U
994			Grove Lk	-	ABDFG	19,11,65	SW	TX
995			Minnewaska Lk	-	BFG	43,19,11,65,16	UVX	UVX
996			Pelican Lk	-	ABDFG	19,11,65	TX	UX
997			Minnewaska Lk	-	BDFG	43,19,11,20	UW	X
998			Pelican Lk	-	ABDF	19,11,20	TW	UX
999			Grove Lk	-	ABDF	19,11,20	TW	UX
1000			Leven Lk	-	ABDF	19,11,20	TW	UX
1001			Ann Lk	-	ABDF	19,11,20,16	SW	UX
1002			Gilchrist Lk	321ac	ABDG	11,12,14,16,19,65,76	TW	UY
1003			Reno Lk	3722ac	BDG	11,12,14,16,19,65,76	TW	UX
1004			Pelican Lk	-	BDFG	11,18,19,65	TW	UX
1005			Grove Lk	-	ABDFG	11,12,14,18,19,71,65	TW	UX
1006			Gilchrist Lk	-	ABDG	11,12,14,18,19,65,76	TW	UX
1007			Simon Lk	-	ABDFG	11,14,18,19,71	Z	Z
1008			Linka Lk	-	BDFG	11,12,14,16,18,19,65	TW	UX
1009			Johanna Lk	-	DFG	11,12,16,18,19,65	SW	UX
1010			Linka Lk	600ac	B	14	T	U
1011			Grove Lk	376ac	ABDFG	11,14,19	TX	S
1012			Minnewaska Lk	all	BDFG	40,19,11,20	UW	X
1013			Pelican Lk	all	ABDF	20,19,11,40	TW	UX
1014			Grove Lk	all	ABDF	19,11,20,40	TW	UX
1015			Leven Lk	all	ABDF	19,11,20	TW	UX
1016			Ann Lk	all	ABDF	19,11,20,18	SW	UX

A304L=LONG A304M= CO=61 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1017	07020002	001	POMME DE TERRE R	-	DFG	11,12,14,16,18,19,71,76,77	TW	UY
1018	07020002	002	POMME DE TERRE R		DFG	11,12,14,16,18,19,71,76,77	TW	UY
1019	07020002	004			DFG	11,12,14,16,18,19,71,76,77	TW	UY
1020	07020005	004	CHIPPEWA R		DFG	11,12,14,16,18,19,71,76,77	TW	UY
1021	07020005	007	CHIPPEWA R, E BR	-	DFG	11,12,14,16,18,19,71,76,77	SW	TY
1022	07020005	009	CHIPPEWA R, E BR		DFG	11,12,14,16,18,19,71,76,77	SW	TY
1023	07020005	009	CHIPPEWA R, E BR	-	DFG	11,12,14,16,18,19,71,76,77	SW	UX
1024	07020005	010	CHIPPEWA R		DFG	11,12,14,16,18,19,71,76,77	TW	UY
1025	07020005	017	CHIPPEWA R		DFG	11,12,14,16,18,19,71,76,77	TW	UY
1026	07020005	017	CHIPPEWA R		DFG	11,12,14,16,18,19,71,76,77	SW	UX
1027	07020005	022	CHIPPEWA R	-	DFG	11,12,14,16,18,19,71,76,77	TW	UY
1028	07020005	022	CHIPPEWA R	-	DFG	11,12,14,16,18,19,71,76,77	SW	UX

A304L=LONG A304M= CO=62 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1029			Bald Eagle Lk	1046ac	ABD	41,43,65	TW	UX
1030			Judy Lk	16ac	ABDG	41,43	S	T
1031			Emily Lk	12ac	AB	41,43	S	T
1032			Wabasso Lk	47ac	ABD	41	WT	XU
1033			Owasso Lk	360ac	ABD	41,43	WT	WU
1034			Gervais Lk	-	BDG	41,43,31,32,77	TW	UX
1035			Phalen Lk	-	BD	41,43,31,32,77	SW	UX
1036			Langton Lk	30ac	-	43	S	-
1037			Langton Lk		-	43	S	-
1038			Little Johanna Lk	35ac	-	43	S	-
1039			Johanna Lk	200ac	-	32	XU	-
1040			Josephine Lk	118ac	-	43	XU	-
1041			Jones Lk	13	-	43	S	-
1042			Silver Lk	69.5ac	-	32,43	U	-
1043			Island Lk	56ac	-	32	U	-
1044			Island Lk		-	32	U	-
1045			Valentine Lk	56ac	-	-	S	-
1046			Pike Lk	35ac	-	43	T	-
1047			Long Lk	178ac	-	32,43	XZT	Z
1048			Rush Lk	36ac	-	-	ZS	-
1049			Round Lk	122ac	-	32,43	S	-
1050			Karth Lk	15ac	-	32,43	S	-
1051			Sunfish Lk	14ac	-	41	S	-
1052			Turtle Lk	502ac	-	32,43	XU	-
1053			Poplar Lk	11ac	-	32,43	S	-
1054			Bald Eagle Lk	10120ac	-	63,65,43	XZU	-
1055			Priebe Lk	6ac	-	43	S	-
1056			Marsden Lk	260ac	-	-	S	-
1057			Lk Gervais	234ac	BDG	41,43,31,32,77	TW	UX
1058			Lk Phalen	193ac	BD	41,43,31,32,77	SW	UX
1059			Langton Lk	30ac	-	43	S	-
1060			Little Johanna	35ac	-	43	S	-
1061			Johanna Lk	200ac	-	32	XU	-
1062			Josephine Lk	118ac	-	43	XU	-
1063			Jones Lk	13ac	-	43	S	-
1064			Silver Lk	69.5ac	-	32,43	U	-

A304L=LONG A304M= CO=62 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1065			Island Lk	56ac	-	32	U	-
1066			Island Lk		-	32	U	-
1067			Valentine Lk	56ac	-	-	S	-
1068			Pike Lk	35ac	-	43	T	-
1069			Long Lk	178ac	-	32,43	XZT	Z
1070			Rush Lk	36ac	-	-	ZS	-
1071			Round	122ac	-	32,43	S	-
1072			Karth Lk	15ac	-	32,43	S	-
1073			Sunfish Lk	14ac	-	41	S	-
1074			Turtle Lk	502ac	-	32,43	XU	-
1075			Poplar Lk	11ac	-	32,43	S	-
1076			Bald Eagle Lk	10120ac	-	63,65,43	XZU	-
1077			Priebe Lk	6ac	-	43	S	-
1078			Marsden Lk	260ac	-	-	S	-

A304L=LONG A304M= CO=63 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1079	09020303	001	RED LAKE R	-	F	11,18,14	UX	-
1080	09020303	003	RED LAKE R		F	11,18,14	UX	-
1081	09020303	009	RED LAKE R		F	11,18,14	UX	-
1082	09020303	010	RED LAKE R		F	11,18,14	UX	-
1083	09020303	012	RED LAKE R		F	11,18,14	UX	-
1084	09020303	013	RED LAKE R		F	11,18,14	UX	-
1085	09020303	014	RED LAKE R		F	11,18,14	UX	-
1086	09020303	015	RED LAKE R		F	11,18,14	UX	-
1087	09020303	107			F	11,18,14	UX	-
1088	09020303	207			F	11,18,14	UX	-
1089	09020304	001	THIEF R	-	AF	11,18	SW	-
1090	09020305	011	HILL R	-	F	11,18	TW	-
1091	09020305	012	LOST R	-	ACF	11,41,18	TW	-

A304L=LONG A304M= CO=64 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1092			Redwood Lk	-	BHI	90	SW	TX
1093			Redwood Lk	60ac	BDAGF	11,16,19,41,43,77	SWZ	-
1094			Redwood Lk	-	ADF	11,16,19	SW	UX
1095			Redwood Lk	all	BDH	90	SW	TX

A304L=LONG A304M= CO=64 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1096	07020004	001	MINNESOTA R	-	HI	11,16,90	TW	TW
1097	07020004	001	MINNESOTA R		CDFG	11,74,77	TZ	-
1098	07020004	005	MINNESOTA R		HI	11,16,90	TW	TW
1099	07020004	005	MINNESOTA R		CDFG	11,74,77	TZ	-
1100	07020004	006	MINNESOTA R		HI	11,16,90	TW	TW
1101	07020004	006	MINNESOTA R		CDFG	11,74,77	TZ	-
1102	07020004	008	MINNESOTA R		HI	11,16,90	TW	TW
1103	07020004	008	MINNESOTA R	42mi	CDFG	11,74,77	TZ	-
1104	07020004	010	MINNESOTA R		HI	11,16,90	TW	TW
1105	07020006	001	REDWOOD R	-	HI	11,16,90	SW	YW
1106	07020006	002	RAMSEY CR	-	HI	11,16,90	WV	YW
1107	07020006	002	RAMSEY CR	25mi	CDFG	11,19,72,77,76	V	-
1108	07020006	003	REDWOOD R		HI	11,16,90	SW	YW
1109	07020006	004	REDWOOD R		HI	11,16,90	SW	YW
1110	07020007	018	MINNESOTA R	-	HI	11,16,90	TW	TW
1111	07020007	018	MINNESOTA R	42mi	CDFG	11,74,77	TZ	-
1112	07020007	019	MINNESOTA R		HI	11,16,90	TW	TW
1113	07020007	019	MINNESOTA R		CDFG	11,74,77	TZ	-
1114	07020007	021	MINNESOTA R		HI	11,16,90	TW	TW
1115	07020007	021	MINNESOTA R		CDFG	11,74,77	TZ	-
1116	07020008	006	COTTONWOOD R		HI	11,16,90	SW	YW
1117	07020008	006	COTTONWOOD R		DH	11,18,90	SW	YW
1118	07020008	007	COTTONWOOD R		HI	11,16,90	SW	YW
1119	07020008	007	COTTONWOOD R		CDF	11,14,19,51,43,77,76	TZ	-
1120	07020008	007	COTTONWOOD R		DH	11,18,90	SW	YW
1121	07020008	008	COTTONWOOD R		CDF	11,14,19,51,43,77,76	TZ	-
1122	07020008	008	COTTONWOOD R		DH	11,18,90	SW	YW
1123	07020008	009	COTTONWOOD R	-	HI	11,16,90	SW	YW
1124	07020008	009	COTTONWOOD R	65mi	CDF	11,14,19,51,43,77,76	TZ	-
1125	07020008	009	COTTONWOOD R	all	DH	11,18,90	SW	YW
1126	07020008	012	PLUM CR		CDF	11,14,19,51,43,77,76	TZ	-
1127	07020008	013	DUTCH CHARLIE CR		CDF	11,14,19,51,43,77,76	TZ	-
1128	07020008	014	DUTCH CHARLIE CR		CDF	11,14,19,51,43,77,76	TZ	-
1129	07020008	015	HIGHWATER CR		CDF	11,14,19,51,43,77,76	TZ	-
1130	07020008	016	DRY CR		CDF	11,14,19,51,43,77,76	TZ	-

A304L=LONG A304M= CO=65 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1131			Alley Lk	-	ABDF	11,16,19	TW	U

A304L=LONG A304M= CO=66 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1132			Cannon Lk	–	BDF	19,11,65	T	U
1133			Union	–	ABF	19,11	S	T
1134			Fox Lk	–	B	19,11	T	U
1135			Rice Lk	–	BD	19,11	S	T
1136			Hunt Lk	–	BF	19,65,40	T	U
1137			French Lk	842ac	ABCF	11,18,19,65	UW	UX
1138			Cannon Lk	1476ac	ABDF	11,19,80	TW	UX
1139			Roberdg Lk	654ac	B	11,19,65	TW	UX
1140			Mazaska Lk	687ac	BC	11,19,65	TW	UX
1141			Circle Lk	all	ABCDFG	11,19,65,18,40,30	S	U
1142			Fox Lk	all	ABCDFG	11,19,65,18,40,30	T	U
1143			Union Lk	all	ABCDFG	11,19,65,18,40,30	S	T
1144			French Lk	all	ABCDFG	11,19,65,18,40,30	T	U
1145			Mazaska Lk	all	ABCDFG	11,19,65,18,40,30	T	U
1146			Cannon Lk	all	ABCDFG	40,19,11,50,65,18,30	T	U
1147			Kelly Lk	all	ABCD	19,11,65,18,30	T	U
1148			Dudley Lk	all	ABCD	19,11,65,18,30	T	U
1149			Roberds Lk	all	ABCDFG	19,11,65,18,30,40	T	U
1150			Hunt Lk	all	ABCDFG	11,19,18,65,40,30	–	–
1151			Cedar Lk	all	ABCDFG	11,19,18,65,40,30	–	–
1152			Shields Lk	all	ABCDFG	11,19,18,65,40,30	–	–

A304L=LONG A304M= CO=66 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1153	07040002	008	CANNON R		ABCDFG	40,19,11,50,65,18,30	SW	UX
1154	07040002	010	CANNON R		ABCDFG	40,19,11,50,65,18,30	SW	UX
1155	07040002	012	CANNON R		ABCDFG	40,19,11,50,65,18,30	SW	UX
1156	07040002	013	CANNON R		ABCDFG	40,19,11,50,65,18,30	SW	UX
1157	07040002	015			ABCDFG	40,19,11,50,65,18,30	SW	UX
1158	07040002	016			ABCDFG	40,19,11,50,65,18,30	SW	UX
1159	07040002	017	CANNON R	all	ABCDFG	40,19,11,50,65,18,30	SW	UX
1160	07040002	018	STRAIGHT R	all	ABCDFG	40,19,11,50,65,18,30	SW	UX
1161	07040002	019	STRAIGHT R		ABCDFG	40,19,11,50,65,18,30	SW	UX

A304L=LONG A304M= CO=69 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1162			Deep Lk	–	DF	43	T	–
1163			Ely Lk	–	B	43	T	–
1164			St Marys	–	H	19	T	–
1165			Elbow Lk	all	AB	41,65,62	Y	Y
1166			Longyear Lk	all	AB	41,65,62	Y	Y
1167			Longyear Lk		AB	41,65,62	Y	Y
1168			Long Lk	–	BH	80,65,62	Y	Y
1169			Lost Lk	–	B	90	Y	Y
1170			Elbow Lk	–	B	90	Y	Y
1171			Majestic Lk	–	ABDFG	11,16,65	TY	–
1172			Grand Lk	2500ac	BC	65	UX	–
1173			Baby Grand Lk	–	BC	65	UX	–

A304L=LONG A304M= CO=69 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1174			Little Grand Lk	-	BC	65	UX	-

A304L=LONG A304M= CO=69 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1175	04010201	009	ST LOUIS R		F	77	T	V
1176	04010201	011	ST LOUIS R		F	77	T	V
1177	04010201	013	ST LOUIS R		F	77	T	V
1178	04010201	014	ST LOUIS R		F	77	T	V
1179	04010201	016	ST LOUIS R		F	77	T	V
1180	04010201	017	ST LOUIS R		F	77	T	V
1181	04010201	018	ST LOUIS R		F	77	T	V
1182	04010201	019	ST LOUIS R	50mi	F	77	T	V
1183	04010201	029	ST LOUIS R		F	77	T	V
1184	04010201	030	ST LOUIS R		F	77	T	V
1185	04010201	031	ST LOUIS R		F	77	T	V
1186	04010201	032	ST LOUIS R		F	77	T	V
1187	04010201	033	ST LOUIS R		F	77	T	V
1188	04010201	042	FLOODWOOD R	10mi	FC	14,16,77	T	U
1189	04010201	042	FLOODWOOD R	-	ACDFG	16,18,19	UX	VZ
1190	04010201	140	BARBER CK (E SWAN R)	-	BCF	65	S	T
1191	04010201	240	BARBER CK (E SWAN R)		BCF	65	S	T
1192	09030002	019	SAND R	-	I	90,51,57	Y	Y
1193	09030004	002	BLACK R		I	90,51,57	YW	Y
1194	09030004	004	BLACK R		I	90,51,57	YW	Y
1195	09030004	005	BLACK R		I	90,51,57	YW	Y
1196	09030004	006	BLACK R	-	I	90,51,57	YW	Y

A304L=LONG A304M= CO=70 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1197			Spring Lk	690	BD	11,43	TW	UX
1198			Pike Lk	57	D	11	Z	Z
1199			Pike Lk	1990ac	BCF	11,14,18,32,19	SW	XUZ
1200			Upper Prior Lk	3450ac	BF	11,14,32,41,43,	UW	UXZ
1201			Fish Lk	434ac	B	11,14,18,32,19	UW	UXZ
1202			Spring Lk	13500ac	BACDF	11,14,18,32,19	UW	XUZ
1203			Spring Lk	690ac	BD	11,43	TW	UX
1204			Pike Lk	1990ac	BCF	11,14,18,32,19	SW	XUZ
1205			Upper Prior Lk	3450ac	BF	11,14,32,41,43	UW	UXZ
1206			Fish Lk	434ac	B	11,14,18,32,19	UW	UXZ
1207			Spring Lk	13500ac	BACDF	11,14,18,32,19	UW	XUZ

A304L=LONG A304M= CO=70 WBT=WETLAND

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1208			Unnamed	–	BCF	11,14,18,19,32	Z	Z
1209			Unnamed	–	BF	11,14,18,19	Z	Z
1210			Buck Lk	3402ac	B	11,32,19	Z	Z
1211			Unnamed Wetland	8ac	BCF	11,14,18,19,32	Z	Z
1212			Unnamed Wetland	54ac	BF	11,14,18,19	Z	Z
1213			Buck Lk	3402ac	B	11,32,19	Z	Z

A304L=LONG A304M= CO=71 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1214			Briggs Lk	all	BDFH	19,11,65	TW	UX
1215			Julia Lk	all	ABDFH	19,11,65	TW	UX
1216			Briggs Lk Chain	704ac	B	90	SW	UX
1217			Briggs Lk Chain	704ac	B	90	SW	UX
1218			Briggs Lk Chain	704ac	B	90	SW	UX
1219			Big Elk Lk	352	BF	90	TW	UX
1220			Little Elk Lk	336	ABF	65,90	SW	UX
1221			Orono Lk	300	D	73,77	SW	TW
1222			Briggs Lk	–	BDFH	19,65	TX	U
1223			Rush Lk	–	BDFH	19,65	TW	UX
1224			Julia Lk	–	ABDFH	19,65	TW	UX
1225			Lamp Lk	83ac	B	16,18	S	U
1226			Jones Lk	77ac	B	16,18	S	U
1227			Briggs Lk	406ac	B	65	TW	UX
1228			Julia Lk	137ac	B	65	TW	UX
1229			Rush Lk	161ac	B	65	TW	UX
1230			Elk Lk	352ac	B	65	TW	UX
1231			Elk Lk	336ac	B	65	TW	UX
1232			Eagle Lk	426ac	B	65	SW	UX
1233			Orono Lk	300ac	BD	65	SW	UX
1234			Fremont Lk	466ac	B	65	S	T

A304L=LONG A304M= CO=72 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1235			Titlow Lk	924ac	DF	11,71	Z	ZT
1236			High Island Lk	1634	BDF	71,11,18,19	Z	ZU
1237			High Island Lk		BDF	71,11,18,19	Z	ZU
1238			Altnow Lk	269	BDF	71,11,18,19	Z	Z
1239			Mud Lk	1051	DF	11,71	Z	Z
1240			Washington Lk	700	DF	11,71	Z	Z

A304L=LONG A304M= CO=72 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1241	07020012	007	SILVER CR	-	ABDFGH	43,19,65,16	TW	UX
1242	07020012	012	HIGH ISLAND CR	15mi	DFG	11,71,76,77	S	TZ
1243	07020012	016	RUSH R	12mi	DFG	11,71,76,77	S	T
1244	07020012	017	RUSH R, MIDDLE BR		DFG	11,71,76,77	S	T

A304L=LONG A304M= CO=73 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1245			Two Rivers Lk	all	BDFH	19,11,65,18	TW	UX
1246			Grand Lk	666ac	ABF	11,18,65	TW	UX
1247			Rice Lk	1568ac	BD	11,12,18,65,71	TW	UX
1248			Two Rivers Lk	756ac	BDG	90	TW	UX
1249			Two Rivers Lk	-	BDFH	19,65,16	TW	UX
1250			Big Spunk Lk	-	BDFH	19,65	UX	-
1251			Middle Spunk Lk	-	H	65,90	UX	-
1252			Lower Spunk	-	H	65,90	UX	-
1253			Marie Lk	-	ABDFGH	43,19,65,16,	TW	UX
1254			Grand Lk	666ac	B	11,14,16	WT	XU
1255			Big Fish Lk	590ac	B	43	WT	XU
1256			Horseshoe Chain Of Lks	-	AB	11,14,16	WT	XU
1257			Pleasant Lk	220ac	B	11,14,16	WS	XT
1258			Koronis Lk	all	BCD	11,18,19,65	TW	UX
1259			Rice Lk	all	BCD	11,18,19,65	TW	UX
1260			Koronis Lk	all	ADF	11,12,14,16,19,41,43,65,76	TW	UX
1261			Rice Lk	all	BDFG	11,18,19,43,65	TW	UX
1262			Long Lk	all	BDFG	11,18,19,65	T	UX
1263			N Browns Lk	all	BDFG	11,14,16,19,43,65,76	TW	UX
1264			Eden Lk	all	BDFG	11,14,18,19,65	T	UX
1265			Mud Lk	all	BFG	11,18,19	T	UX
1266			School Lk	all	ABCDFG	11,14,16,19	SW	T
1267			Pearl Lk	all	ABDFG	11,14,16,19,43,65	TW	UX
1268			Carnation Lk	all	ABDFG	11,12,14,16,19,32,43,65,76	TW	UX
1269			School Lk	all	BFG	11,12,14,18,19	S	UX
1270			Willow Lk	all	ABCDFG	11,14,16,19,43	SW	-
1271			Marie Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1272			Otter Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1273			Tamarack Lk	all	AB	11,12,43,80	SW	-
1274			Crow Lk	all	ABF	11,12,14,16,43	SW	TX
1275			Henry Lk	all	ABF	11,14,16,19,43	TW	UX
1276			Big Lk	all	BDFG	11,18,19	T	U
1277			Horseshoe Lk	all	ABDF	11,12,14,16,19,43,65,76	TW	UX
1278			Baker Lk	all	ABDF	11,12,14,16,19,43,65,76	TW	UX
1279			Cedar Island Lk	all	ABDF	11,12,14,16,19,43,65,76	TW	UX
1280			Cedar Island Lk		ABDF	11,12,14,16,19,43,65,76	TW	UX
1281			Cedar Island Lk		ABDF	11,12,14,16,19,43,65,76	TW	UX
1282			Cedar Island Lk		ABDF	11,12,14,16,19,43,65,76	TW	UX
1283			Great Northern Lk	all	ABDF	11,12,14,16,19,43,65,76	TW	UX
1284			Grand Lk	all	ABDF	11,12,14,16,19,43,65,76	TW	UX
1285			George Lk	all	ABF	11,12,14,16,19,43,76	TW	UX
1286			Big Fish Lk	all	ABDF	11,12,14,16,19,43,65,76	TW	UX
1287			Two Rivers Lk	all	ABDF	11,14,16,19,41,43,65,76,77	TW	UX
1288			St Anna Lk	all	ABDF	11,14,16,19,43	TW	UX

A304L=LONG A304M= CO=73 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1289			Cedar Lk	all	ABDF	11,14,16,19,43	TW	UX
1290			Sauk Lk	all	ABDFG	11,12,16,19,41,43,62,65,76	TW	UX
1291			Sauk Lk		ABDFG	11,12,16,19,41,43,62,65,76	TW	UX
1292			Big Spunk Lk	all	ABDF	11,14,16,41,19,43,65,76	TW	UX
1293			Middle Spunk Lk	all	ABDF	11,14,16,19,41,43,65,76	TW	UX
1294			Lower Spunk Lk	all	ABDF	11,14,16,19,41,43,65,76	TW	UX
1295			Cohette Lk	all	ABDF	11,14,16,19,41,43,65,76	TW	UX
1296			Pelican Lk	all	ABDF	11,14,16,19,43,65,76	TW	UX
1297			Kramer Lk	all	ABDF	11,14,16,19,43,65,76	TW	UX
1298			Big Watah Lk	all	ABDF	11,14,16,19,43,65,76	TW	UX
1299			Big Fish Lk	all	ABDF	11,14,16,19,43,65,76	TW	UX
1300			Pleasant Lk	–	BCD	65	SW	TX
1301			Black Oak Lk	–	H	90	S	U
1302			Koronis Lk	3471	BCDF	11,19,65,71,90	TX	UX
1303			Koronis Lk	3471	BDF	14,16,18,19,62,65	UW	–
1304			Rice Lk	1568	BDF	14,16,18,19,62,65	UW	–
1305			Becker Lk	222	ABDF	14,16,18,19,65,62	TW	–
1306			Horseshoe Lk	995	BDF	14,16,18,19,62,65	UW	–
1307			Big Lk	446	BDF	14,16,18,19	UW	–
1308			Mud Lk	171	ABDF	14,16,18,19,62	UW	–
1309			Eden Lk	290	BDF	14,16,18,19,62	UW	–
1310			N Browns Lk	312	BDF	14,16,18,19,62	UW	–
1311			Long Lk	478	BDF	14,16,18,19	UW	–
1312			Cedar Island Lk	995	BDF	14,16,18,19,62,65	UW	–
1313			Cedar Island Lk		BDF	14,16,18,19,62,65	UW	–
1314			Cedar Island Lk		BDF	14,16,18,19,62,65	UW	–
1315			Cedar Island Lk		BDF	14,16,18,19,62,65	UW	–

A304L=LONG A304M= CO=74 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1316			Rice Lk	750ac	BDF	11,14,19,73	SW	SXZ
1317			Beaver Lk	all	HG	40,90	TX	TXY

A304L=LONG A304M= CO=75 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1318			Hattie	all	BDFG	19,11,18	SW	TX
1319			Long Lk	all	BDFG	19,11,18	TW	U
1320			Page Lk	all	ABDFG	19,11,18	SW	TX
1321			Hattie Lk	–	BDFG	19,11,16	SW	TX
1322			Long Lk	–	BDFG	19,11,16	TW	U
1323			Page Lk	–	ABDFG	19,11,16	SW	TX
1324			Perkins Lk	–	ABDFG	19,11,16	SW	TX
1325			N Pomme De Terre Lk	425	BDF	11,16,19	SWZ	Z
1326			So Pomme De Terre Lk	519	BDF	11,16,19	TW	UX
1327			Hattie Lk	488	BDF	11,16,19	TW	UX
1328			Page Lk	364	BD	11,16,15	SW	UX
1329			Long Lk	588	BD	11,16,19	SW	UW
1330			Middle Pomme De Terre	193	BDF	11,16,19	SWX	SWXZ

A304L=LONG A304M= CO=75 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1331			N Pomme De Terre Lk	1500ac	DBA	12	WT	-
1332			Mid Pomme De Terre Lk	1500ac	DBA	12	WT	-
1333			S Pomme De Terre Lk	1500ac	DBA	12	WT	-
1334			Long Lk	800ac	AD	12	T	-
1335			Page Lk	400ac	BAD	12	S	-
1336			Hattie Lk	400ac	AD	12	WT	-
1337			Gorden Lk	750ac	BAD	12	-	-
1338			Drywood Lk	400ac	AD	12	-	-
1339			Pomme De Terre	200ac	AD	12	-	-
1340			Fish Lk	320ac	AD	12	-	-
1341			S Pomme De Terre Lk	all	DF	11,19,65	T	U
1342			Hattie Lk	all	DF	11,19	W	X
1343			Long Lk	all	DF	11,19	T	U
1344			Page Lk	all	DF	11,19,80	W	X
1345			N Pomme De Terre Lk	all	DF	11,19	T	U

A304L=LONG A304M= CO=75 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1346	07020002	001	POMME DE TERRE R		ADC	16,12,19	S	-
1347	07020002	002	POMME DE TERRE R	25mi	ADC	16,12,19	S	-
1348	07020005	022	CHIPPEWA R	4mi	AD	16	-	-
1349	09020102	x05	Harstad Slough	500ac	AD	16	-	-

A304L=LONG A304M= CO=76 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1350			Monson Lk	143	ABDF	14,16,18,19	TW	-
1351			Camp Lk	216	ABDF	14,16,18,19	TW	-

A304L=LONG A304M= CO=77 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1352			Osakis Lk	all	BDFG	19,40,11,65,18	TX	U
1353			Sauk Lk	2111ac	BDFG	90	SW	UX
1354			Sauk Lk		BDFG	90	SW	UX
1355			Osakis Lk	-	BDFG	43,19,11,65,16	TX	U
1356			Osakis Lk	-	B	-	-	-
1357			Sauk Lk	all	BCD	11,18,19,65	TW	UX
1358			Sauk Lk		BCD	11,18,19,65	TW	UX
1359			Sauk Chain Of Lks	all	BCD	11,18,19,65	TW	UX
1360			Osakis Lk	834ac	ABDF	11,18,19	SWZ	TZ
1361			Mary Lk	all	ABDF	11,14,16,19,43	TW	UX
1362			Big Birch Lk	all	BDFG	11,14,16,19,65,43	TW	UX
1363			Little Birch Lk	all	ABDF	11,14,10,19,43,65	TW	UX

A304L=LONG A304M= CO=77 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1364	07010203	002	ELK R	70mi	AF	11,12,41,65,16,18,19	S	U
1365	07010203	004	ELK R		AF	11,12,41,65,16,18,19	S	U
1366	07010203	006	ELK R		AF	11,12,41,65,16,18,19	S	U

A304L=LONG A304M= CO=78 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1367			Traverse Lk	11600	BD	11,16,19	T	U
1368			Mud Lk	4600	BDF	11,16,19	Z	Z
1369			Traverse Lk	-	BD	73,74	TW	UX
1370			Mud Lk	-	D	73,74	SWZ	SWZ

A304L=LONG A304M= CO=78 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1371	09020102	001	MUSTINKA R	-	D	11	TW	TW
1372	09020102	002	MUSTINKA R		D	11	TW	TW
1373	09020102	006	MUSTINKA R		D	11	TW	TW

A304L=LONG A304M= CO=80 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1374			Tanners Lk	73ac	BDG	32,41,43	TW	UX
1375			Lower Twin Lk	-	B	65,80	T	U

A304L=LONG A304M= CO=81 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1376			Clear Lk	-	BF	40,70	S	U
1377			Loon Lk	-	BF	40	T	U
1378			Elysian Lk	-	BF	19,65	T	U
1379			St. Olaf Lk	-	BF	19,65	V	V
1380			Clear Lk	-	BC	41,43	UW	-
1381			Rice Lk	-	DG	19	Z	-
1382			Elysian Lk	all	ABDF	11,18,19,65	UXZ	-
1383			Loon Lk	all	ABD	40,18	TZ	UXZ
1384			Clear Lk	all	ABFG	40,19,65,18	TWZ	UXZ
1385			Elysian Lk	all	ABDFG	19,11,65,18	TWZ	UXZ
1386			Reeds Lk	all	ABDFG	19,11,65	TX	TU
1387			St Olaf Lk	all	ABDFG	19,11,65	TX	UX

A304L=LONG A304M= CO=82 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1388			Bone Lk	all	B	11,14	T	U
1389			Goose Lk	all	B	11,14	T	U
1390			Shield Lk	all	B	80	Y	Y
1391			Louisa Lk	–	ABDFGH	43,19,65,16	TW	UX
1392			Tanners Lk	–	BDG	32,41,43	TW	UX
1393			White Bear Lk	8416ac	–	65,43,41	XU	–
1394			Long Lk	48ac	–	16,11,65,43	S	–
1395			Echo Lk	32ac	–	65	–	–
1396			Pine Tree Lk	174ac	–	11,65,43	T	–
1397			Mann Lk	74ac	–	11,65	–	–
1398			Fish Lk	20.6ac	–	–	S	–
1399			Round Lk	26ac	–	11,65	–	–
1400			Sunset Lk	124ac	–	11,65,43	S	–
1401			Egg Lk	106ac	–	63,32,43	–	–
1402			Rice Lk	277	–	–	S	–
1403			Oneka Lk	416	–	65	–	–
1404			Horseshoe Lk	53	–	65,43	S	–
1405			White Rock Lk	65	–	65	–	–
1406			Clear Lk	434	–	32,43	U	–
1407			Mud Lk	187	–	–	S	–
1408			Rice Lk	277ac	–	–	S	–
1409			Oneka Lk	416ac	–	65	–	–
1410			Horseshoe Lk	53ac	–	65,43	S	–
1411			White Rock Lk	65ac	–	65	–	–
1412			Clear Lk	434ac	–	32,43	U	–
1413			Mud Lk	187ac	–	–	S	–
1414			White Bear Lk	8416ac	–	65,43,41	XU	–
1415			Long Lk	48ac	–	16,11,65,43	S	–
1416			Echo Lk	32ac	–	65	–	–
1417			Pine Tree Lk	174ac	–	11,65,43	T	–
1418			Mann Lk	74ac	–	11,65	–	–
1419			Fish Lk	20.6ac	–	–	S	–
1420			Round Lk	26ac	–	11,65	–	–
1421			Sunset Lk	124ac	–	11,65,43	S	–
1422			Egg Lk	106ac	–	63,32,43	–	–

A304L=LONG A304M= CO=86 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1423			Dutch Lk	all	ABDFGH	40,19,65,18	TW	UX
1424			Little Waverly Lk	all	ABDFGH	40,19,65,18	TW	UX
1425			Waverly Lk	all	ABDFGH	40,19,65,18	TW	UX
1426			Mink Lk	all	ABDFGH	40,19,65,18	TW	UX
1427			Somers Lk	all	ABDFGH	40,65,19,18	TW	UX
1428			Mary Lk	all	ABDFGH	40,19,65,18	TW	UX
1429			Silver Lk	all	ABDFGH	40,19,65,18	TW	UX
1430			Locke Lk	all	ABDFGH	40,19,65,18	TW	UX
1431			French Lk	all	BDH	11,19,18,65	TW	UX
1432			Cokato Lk	all	BDH	–	TW	UX
1433			Louisa Lk	all	ABDFGH	40,19,65,18	TW	UX
1434			Marie Lk	all	ABDFGH	40,19,65,18	TW	UX
1435			Caroline Lk	all	ABDFGH	40,19,65,18	TW	UX

A304L=LONG A304M= CO=86 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1436			Augusta Lk	all	ABDFGH	40,19,65,18	TW	UX
1437			Clearwater Lk	all	ABDFGH	40,19,65,18	TW	UX
1438			Grass Lk	all	ABDFGH	40,19,65,18	TW	UX
1439			Wiegand Lk	all	ABDFGH	40,19,65,18	TW	UX
1440			Maple Lk	all	ABDFGH	40,19,65,18	TW	UX
1441			Ramsey Lk	all	ABDFGH	40,19,65,18	TW	UX
1442			North Twin Lk	all	ABDFGH	40,19,65,18	TW	UX
1443			South Twin Lk	all	ABDFGH	40,19,65,18	TW	UX
1444			Buffalo Lk	all	ABDFGH	40,19,65,18	TW	UX
1445			Mink Lk	all	ABDFGH	40,19,65,18	TW	UX
1446			Deer Lk	all	ABDFGH	40,19,65,18	TW	UX
1447			Howard Lk	all	ABDFGH	40,19,65,18	TW	UX
1448			Mud Lk	all	ABDFGH	40,19,65,18	TW	UX
1449			Pulaski Lk	800ac	CG	77,80	–	UX
1450			Cedar Lk	1000ac	BF	11,19,65,80	–	UX
1451			Granite Lk	800ac	BF	11,19,65,80	–	UX
1452			Indian Lk	400ac	B	11,19,65	–	UX
1453			Clearwater Lk Chain	4000ac	BDF	11,19,65,72	TW	UX
1454			Clearwater Lk Chain	4000ac	BDF	11,19,65,72	TW	UX
1455			Clearwater Lk Chain	4000ac	BDF	11,19,65,72	TW	UX
1456			French Lk	408ac	AB	11,65	SW	UX
1457			Waverly Lk	498ac	B	43,65	SW	UX
1458			Dean Lk	204ac	ABG	11,?	SW	UX
1459			Martha Lk	101ac	B	11,65	TW	TX
1460			Granite Lk	358ac	B	11,65	TW	UX
1461			Ramsey Lk	355ac	AB	11,41,43,65	SW	UX
1462			Grass Lk	–	ABDFGH	43,19,65,16	TW	UX
1463			Wiegand Lk	–	ABDFGH	43,19,65,16	TW	UX
1464			Maple Lk	–	ABDFGH	43,19,65,16	TW	UX
1465			Ramsey Lk	–	ABDFGH	43,19,65,16,	TW	UX
1466			No Twin Lk	–	ABDFGH	43,19,65,16	TW	UX
1467			So Twin Lk	–	ABDFGH	43,19,65,16	TW	UX
1468			Buffalo Lk	–	ABDFGH	43,19,65,16	TW	UX
1469			Mink Lk	–	ABDFGH	43,19,65,16	TW	UX
1470			Deer Lk	–	ABDFGH	43,19,65,16	TW	UX
1471			Howard Lk	–	ABDFGH	43,19,65,16	TW	UX
1472			Mud Lk	–	ABDFGH	43,19,65,16	TW	UX
1473			Dutch Lk	–	ABDFGH	43,19,65,16	TW	UX
1474			L Waverly	–	ABDFGH	43,19,65,16	TW	UX
1475			Waverly	–	ABDFGH	43,19,65,16	TW	UX
1476			Mink Lk	–	ABDFGH	43,19,65,16	TW	UX
1477			French Lk	–	BDH	19,65,16	TW	UX
1478			Cokato Lk	–	BDH	19,65,16	TW	UX
1479			Caroline Lk	–	ABDFGH	43,19,65,16	TW	UX
1480			Augusta Lk	–	ABDFGH	43,19,65,16	TW	UX
1481			Clearwater Lk	–	ABDFGH	43,19,65,16	TW	UX
1482			Louisa Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1483			Clearwater Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1484			Augusta Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1485			Clearwater Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1486			Grass Lk	all	ABDFG	11,12,14,16,19,43,65,76	TW	UX
1487			Collinwood Lk	–	ABC	11,19,65,90	TW	UX
1488			Somers	–	ABDFGH	43,19,65,16	TW	UX
1489			Mary Lk	–	ABDFGH	43,19,65,16	TW	UX

A304L=LONG A304M= CO=86 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1490			Silver Lk	-	ABDFGH	43,19,65,16	TW	UX
1491			Locke	-	ABDFGH	43,19,65,16	TW	UX

A304L=LONG A304M= CO=86 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1492	07010203	011	CLEARWATER CR		ABDFGH	40,19,65,18	TW	UX
1493	07010203	012	CLEARWATER L (CLEARWATER CR)		ABDFGH	40,19,65,18	TW	UX
1494	07010203	015	CLEARWATER CR	all	ABDFGH	40,19,65,18	TW	UX
1495	07010204	002	CROW R, N FK		ABDFGH	40,19,65,18	TW	UX
1496	07010204	004	CROW R, N FK	all	ABDFGH	40,19,65,18	TW	UX
1497	07010204	005	CROW R, N FK		ABDFGH	40,19,65,18	TW	UX
1498	07010204	006	CROW R, N FK		ABDFGH	40,19,65,18	TW	UX
1499	07010204	007	CROW R, N FK		ABDFGH	40,19,65,18	TW	UX
1500	07010204	008	L KORONIS (CROW R, N FK)		ABDFGH	40,19,65,18	TW	UX
1501	07010204	012	CROW R, N FK		ABDFGH	40,19,65,18	TW	UX
1502	07010204	013	CROW R, M FK		ABDFGH	40,19,65,18	TW	UX
1503	07010204	014	CROW R, M FK		ABDFGH	40,19,65,18	TW	UX
1504	07010205	003	*A	2600sqmi	-	-	-	-

A304L=LONG A304M= CO=87 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1505			High Bank Lk	123ac	ABDF	11,19	SW	SW
1506			Lone Tree Lk	163ac	ABDF	11,19	SW	SW
1507			Kvistad Lk	113ac	ABDF	11,19	SW	SW
1508			Curtiss Lk	440ac	ABDF	11,19	SW	SW
1509			Timm Lk	237ac	ABDF	11,19	SW	SW
1510			Tyson Lk	180ac	ABDF	11,19	SW	SW
1511			Wood Lk	484ac	ABDF	11,19	TW	UW
1512			Mud Lk	98ac	ABDF	11,19	SW	SW
1513			Spellman Lk	300ac	ABDF	11,19	SW	SW
1514			Mieda Lk	146ac	ABDF	11,19	SW	SW
1515			Burton Marsh	126ac	ABDF	11,19	SW	SW
1516			Burton Lk	126ac	ABDF	11,19	SW	SW
1517			Miller Lk	147ac	ABDF	11,19	SW	SW
1518			Del Clark Lk	147ac	ABDF	11,19	VSX	UX
1519			John Lk	17ac	ABDF	11,19	SX	TX
1520			Curtis Lk	440	ABDF	14,16,18,19	SW	-
1521			Tyson Lk	180	ABDF	14,16,18,19	SW	-
1522			Wood Lk	484	ABDF	14,16,18,19	TW	-

A304L=LONG A304M= CO=87 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1523	07020003	x16	Spring Cr	27mi	DF	11,19	SW	SW
1524	07020003	011	FLORIDA CR	10mi	DF	11,19,14	SW	SW
1525	07020003	012	LAC QUI PARLE R	20mi	DF	11,19	SW	SW
1526	07020003	013	CANBY CR		DF	11,19,14	SW	UW
1527	07020003	013	CANBY CR	all	D	19,11,65	V	VU
1528	07020003	014	LAZARUS CR	18mi	DF	11,19,14	SW	SW
1529	07020003	015	CANBY CR		D	19,11,65	V	VU
1530	07020003	016	LAC QUI PARLE R		DF	11,19	SW	SW
1531	07020003	115	CANBY CREEK	10mi	DF	11,19,14	SW	UW
1532	07020003	215	CANBY CREEK		DF	11,19,14	SW	UW
1533	07020004	010	MINNESOTA R		DF	11,19	TW	UW
1534	07020004	011	MINNESOTA R		DF	11,19	TW	UW
1535	07020004	015	MINNESOTA R		DF	11,19	TW	UW
1536	07020004	016	MINNESOTA R		DF	11,19	TW	UW
1537	07020004	017	MINNESOTA R		DF	11,19	TW	UW
1538	07020004	019	MINNESOTA R	30mi	DF	11,19	TW	UW
1539	07020004	022	YELLOW MEDICINE R		DF	11,19	TW	TW
1540	07020004	024	YELLOW MEDICINE R	28mi	DF	11,19	TW	TW
1541	07020004	026	MUD CR	20mi	DF	11,19	SW	SW
1542	07020004	031	MINNESOTA R		DF	11,19	TW	UW

A304L=LONG A304M= CO=. WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1			Lewis Lk	86ac	ABDF	11,18,19	SWZ	TZ
2			Little Elk Lk	–	ABDFH	19,65	TW	UX
3			Hay Lk	35ac	D	51	U	U

A304L=LONG A304M= CO=. WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
4	?	?	Rush Lk	all	BDFH	19,11,65	TW	UX
5	?	?	Mill Cr	all	ABDFGH	40,19,65,18	TW	UX
6	?	?	Twelve Mile Cr	all	ABDFGH	40,19,65,18	TW	UX
7	?	?	Spruce Cr	–	DFG	11,12,14,16,18,19,71,76,77	SW	VY
8	?	?	Mill Cr	–	ABDFGH	43,19,65,16	TW	UX
9	?	?	Twelve Mile Cr	–	ABDFGH	43,19,65,16	TW	UX
10	?	?	Carlton Lk	all	D	90	WT	UX
11	07020006	001	REDWOOD R		DH	11,18,90	TW	TW
12	07020006	003	REDWOOD R	all	DH	11,18,90	TW	TW
13	07020006	004	REDWOOD R		DH	11,18,90	TW	TW
14	09020305	001	CLEARWATER R	57.5	DAC	13,41	VTZ	–
15	09020305	005	CLEARWATER R		DAC	13,41	VTZ	–
16	09020305	007	CLEARWATER R		DAC	13,41	VTZ	–
17	09020305	012	LOST R	24.5	DAC	13,41	T	Y
18	09020305	013	CLEARWATER R		DAC	13,41	VTZ	–

A304L=LONG A304M=MEDIUM CO=02 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1566	07010206	003	COON R	10	DEF	19,32,43	SX	SX

A304L=LONG A304M=MEDIUM CO=03 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1567	09020106	001	BUFFALO R	-	EGI	11	S	U
1568	09020106	009	BUFFALO R		EGI	11	S	U

A304L=LONG A304M=MEDIUM CO=04 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1569			Cass Lk	15596	BE	21,32,62,65,66,74,76,77	TX	-
1570			Cass Lk Pike Bay	4500ac	E	66	UX	UX

A304L=LONG A304M=MEDIUM CO=04 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1571	09020302	019	MUD R	16	ADEF	11,14,19	SW	SW

A304L=LONG A304M=MEDIUM CO=05 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1572			Donovan Lk	93ac	BEF	11,14,19	Y	-
1573			Mayhew Lk	127ac	BEF	11,14,19	T	-
1574			Little Rock Lk	1259ac	BEF	11,12,14,19,32,43	T	-

A304L=LONG A304M=MEDIUM CO=05 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1575	07010201	001	MISSISSIPPI R		DEF	11,12,14,19,32,41,43,62,66	U	-
1576	07010201	002	MISSISSIPPI R		DEF	11,12,14,19,32,41,43,62,66	U	-
1577	07010201	004	MISSISSIPPI R		DEF	11,12,14,19,32,41,43,62,66	U	-
1578	07010201	012	MISSISSIPPI R		DEF	11,12,14,19,32,41,43,62,66	U	-
1579	07010201	013	MISSISSIPPI R		DEF	11,12,14,19,32,41,43,62,66	U	-
1580	07010201	014	MISSISSIPPI R	-	DEF	11,12,14,19,32,41,43,62,66	U	-
1581	07010203	008	MAYHEW CR	-	DEF	11,12,14,19	T	-

A304L=LONG A304M=MEDIUM CO=06 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1582			Marsh Lk	12sqmi	ABCDEGI	11,12,17,18,19,62,65,80	SW	SWY

A304L=LONG A304M=MEDIUM CO=06 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1583	07020001	007	MINNESOTA R		DEF	11,19,77	UWZ	-
1584	07020001	018	MINNESOTA R		DEF	11,19,77	UWZ	-
1585	07020001	019	MINNESOTA R		DEF	11,19,77	UWZ	-
1586	07020001	020	MINNESOTA R	all	DEF	11,19,77	UWZ	-

A304L=LONG A304M=MEDIUM CO=07 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1587	07020007	001	MINNESOTA R	-	DEFG	11,18,19	UV	UV
1588	07020007	003	MINNESOTA R		DEFG	11,18,19	UV	UV
1589	07020007	004	MINNESOTA R		DEFG	11,18,19	UV	UV
1590	07020007	008	MINNESOTA R		DEFG	11,18,19	UV	UV
1591	07020007	009	MINNESOTA R		DEFG	11,18,19	UV	UV
1592	07020007	010	MINNESOTA R		DEFG	11,18,19	UV	UV
1593	07020007	011	MINNESOTA R		DEFG	11,18,19	UV	UV
1594	07020007	013	MINNESOTA R		DEFG	11,18,19	UV	UV
1595	07020009	001	BLUE EARTH R	-	DEFG	11,18,19	U	UV
1596	07020009	001	BLUE EARTH R		DEF	11,19,77	UWZ	V
1597	07020009	002	BLUE EARTH R		DEFG	11,18,19	U	UV
1598	07020009	002	BLUE EARTH R		DEF	11,19,77	UWZ	V
1599	07020009	003	BLUE EARTH R		DEFG	11,18,19	U	UV
1600	07020009	003	BLUE EARTH R		DEF	11,19,77	UWZ	V
1601	07020009	009	BLUE EARTH R		DEFG	11,18,19	U	UV
1602	07020009	009	BLUE EARTH R	all	DEF	11,19,77	UWZ	V
1603	07020009	013	BLUE EARTH R		DEFG	11,18,19	U	UV
1604	07020009	015	BLUE EARTH R		DEFG	11,18,19	U	UV
1605	07020010	001	WATONWAN R	-	DEFG	11,18,19	T	U
1606	07020010	001	WATONWAN R	all	DEF	11,19,77	UWZ	V
1607	07020010	002	WATONWAN R		DEFG	11,18,19	T	U
1608	07020010	002	WATONWAN R		DEF	11,19,77	UWZ	V
1609	07020010	003	WATONWAN R		DEFG	11,18,19	T	U
1610	07020010	004	WATONWAN R		DEFG	11,18,19	T	U

A304L=LONG A304M=MEDIUM CO=07 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1611	07020010	006	WATONWAN R		DEFG	11,18,19	T	U
1612	07020011	001	LE SUEUR R	–	DEFG	11,18,19	T	U
1613	07020011	002	MAPLE R	–	DEFG	11,18,19	S	T
1614	07020011	002	MAPLE R		DEF	11,19,77	TWZ	–
1615	07020011	004	MAPLE R		DEFG	11,18,19	S	T
1616	07020011	004	MAPLE R		DEF	11,19,77	TWZ	–
1617	07020011	005	MINNESOTA L (MAPLE R)		DEFG	11,18,19	S	T
1618	07020011	008	MAPLE R	all	DEF	11,19,77	TWZ	–
1619	07020011	009	LE SUEUR R		DEFG	11,18,19	T	U
1620	07020011	010	COBB R	–	DEFG	11,18,19	S	T
1621	07020011	010	COBB R		DEF	11,19,77	TWZ	–
1622	07020011	013	LE SUEUR R		DEFG	11,18,19	T	U
1623	07020011	014	LE SUEUR R		DEFG	11,18,19	T	U
1624	07020011	017	COBB R		DEFG	11,18,19	S	T
1625	07020011	017	COBB R	all	DEF	11,19,77	TWZ	–

A304L=LONG A304M=MEDIUM CO=08 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1626			Hanska Lk	1844ac	ABCDEFGH	11,19,65,76,71	TW	UX
1627			Sleepy Eye Lk	290ac	ABCDEFGH	11,19,41,43,76,71	SW	UX

A304L=LONG A304M=MEDIUM CO=08 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1628	07020007	024	LITTLE COTTONWOOD CR	–	DEFG	11,18,19	S	T
1629	07020008	001	COTTONWOOD R	–	DEFG	11,18,19	S	U
1630	07020012	004	MINNESOTA R	–	DEFG	11,18,19	UV	UV
1631	07020012	008	MINNESOTA R		DEFG	11,18,19	UV	UV
1632	07020012	013	MINNESOTA R		DEFG	11,18,19	UV	UV
1633	07020012	019	MINNESOTA R		DEFG	11,18,19	UV	UV
1634	07020012	020	MINNESOTA R		DEFG	11,18,19	UV	UV

A304L=LONG A304M=MEDIUM CO=09 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1635	04010201	x09	Otter Cr	4mi	ABCDE	63	VT	–
1636	04010201	003	ST LOUIS R		CE	63	U	–
1637	04010201	004	ST LOUIS R		CE	63	U	–
1638	04010201	005	ST LOUIS R		CE	63	U	–
1639	04010201	006	ST LOUIS R		CE	63	U	–
1640	04010201	007	ST LOUIS R		CE	63	U	–
1641	04010201	008	ST LOUIS R	30mi	CE	63	U	–
1642	04010201	009	ST LOUIS R		DE	64,62,61,75,31	S	U
1643	04010201	011	ST LOUIS R	–	DE	64,62,61,75,31	S	U

A304L=LONG A304M=MEDIUM CO=10 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1644			Goose Lk	407	ABEFG	11,16,19	Z	-
1645			Tiger Lk	575	ABEFG	11,16,19	Z	-
1646			Rice Lk	347	ABEFG	11,16,19	Z	-
1647			Winkler Lk	129	ABEFG	11,16,19	Z	-
1648			Barnes Lk	175	ABEFG	11,16,19	Z	-
1649			Berliner Lk	222	ABEFG	11,16,19	Z	-

A304L=LONG A304M=MEDIUM CO=11 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1650			Little Wolf Lk	517ac	CEG	61,63,65	TW	UX

A304L=LONG A304M=MEDIUM CO=11 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1651	07010105	009	PINE R	all	E	11,14,19,41	T	U

A304L=LONG A304M=MEDIUM CO=12 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1652			Lac Qui Parle Lk	-	ABDE	11,16,19	T	U
1653			Lac Qui Parle Lk		ABDE	11,16,19	T	U

A304L=LONG A304M=MEDIUM CO=12 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1654	07020001	001	L QUI PARLE (MINNESOTA R)		EDA	11,19	T	U
1655	07020001	006	L QUI PARLE (MINNESOTA R)	-	EDA	11,19	T	U
1656	07020004	001	MINNESOTA R		DEF	11,19,77	UWZ	-
1657	07020004	005	MINNESOTA R		DEF	11,19,77	UWZ	-
1658	07020004	006	MINNESOTA R		DEF	11,19,77	UWZ	-
1659	07020004	008	MINNESOTA R		DEF	11,19,77	UWZ	-
1660	07020004	010	MINNESOTA R		DEF	11,19,77	UWZ	-
1661	07020004	011	MINNESOTA R		DEF	11,19,77	UWZ	-
1662	07020004	015	MINNESOTA R		DEF	11,19,77	UWZ	-
1663	07020004	016	MINNESOTA R		DEF	11,19,77	UWZ	-
1664	07020004	017	MINNESOTA R		EDA	11,19	T	U
1665	07020004	017	MINNESOTA R		DEF	11,19,77	UWZ	-
1666	07020004	019	MINNESOTA R		EDA	11,19	T	U
1667	07020004	019	MINNESOTA R		DEF	11,19,77	UWZ	-
1668	07020004	020	MINNESOTA R	-	EDA	11,19	T	U
1669	07020004	020	MINNESOTA R	all	DEF	11,19,77	UWZ	-
1670	07020004	031	MINNESOTA R		EDA	11,19	T	U
1671	07020004	031	MINNESOTA R		DEF	11,19,77	UWZ	-
1672	07020005	001	CHIPPEWA R		EDA	11,19	T	U
1673	07020005	003	CHIPPEWA R		EDA	11,19	T	U

A304L=LONG A304M=MEDIUM CO=12 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1674	07020005	004	CHIPPEWA R	-	EDA	11,19	T	U

A304L=LONG A304M=MEDIUM CO=13 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1675	07030005	x35	Co Ditch 3 (Sunrise R)	14mi	E	13,19	Y	Y
1676	07030005	x35	Co Ditch 5 (Sunrise R)	7.2mi	E	13,19	Y	Y

A304L=LONG A304M=MEDIUM CO=14 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1677	09020106	001	BUFFALO R	-	EGI	11	S	U
1678	09020106	009	BUFFALO R		EGI	11	S	U
1679	09020107	001	RED R	all	BCFE	11,18,19,41	TW	UW
1680	09020107	002	RED R		BCFE	11,18,19,41	TW	UW
1681	09020107	003	RED R		BCFE	11,18,19,41	TW	UW

A304L=LONG A304M=MEDIUM CO=17 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1682				146ac	ABCDEFGH	11,19,65,76,71	TW	UX
1683			Talcott Lk	928ac	ABCDEFGH	11,19,76,71	WT	UX
1684			Mountain Lk	241ac	ABCDEFGH	11,19,65,76,71	WU	XU
1685			Oaks Lk	whole	ADEF	11,18,19	S	W
1686			Oaks Lk	whole	ADEF	11,18,19	S	W

A304L=LONG A304M=MEDIUM CO=17 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1687	07020007	024	LITTLE COTTONWOOD CR	75mi	ABCDEFGH	11,19,41,43,71,76	YT	UY
1688	07100001	001	DES MOINES R	160mi	ABCDEFGH	11,19,41,43,76,71	TW	UX
1689	07100001	002	DES MOINES R		ABCDEFGH	11,19,41,43,76,71	TW	UX

A304L=LONG A304M=MEDIUM CO=19 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1690			Lk Byllesby	-	BDEFGI	11,19,65,18,30	UWZ	UXZ

A304L=LONG A304M=MEDIUM CO=20 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1691	07040004	009	ZUMBRO R, M FK	-	BDEFGI	11,18,19,80	TWZ	UXZ
1692	07040004	010	ZUMBRO R, M FK		BDEFGI	11,18,19,80	TWZ	UXZ
1693	07040004	012	ZUMBRO R, M FK		BDEFGI	11,18,19,80	TWZ	UXZ
1694	07040004	013	ZUMBRO R, M FK, S BR	-	BDEFGI	11,18,19,80	SWZ	UXZ
1695	07040004	015	ZUMBRO R, M FK, S BR	-	BDEFGI	11,18,19,80	SWZ	UXZ

A304L=LONG A304M=MEDIUM CO=22 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1696	07020009	013	BLUE EARTH R		DEF	11,19,77	UWZ	V
1697	07020009	015	BLUE EARTH R		DEF	11,19,77	UWZ	V
1698	07020009	016	BLUE EARTH R		DEF	11,19,77	UWZ	V
1699	07020009	018	BLUE EARTH R		DEF	11,19,77	UWZ	V
1700	07020009	019	BLUE EARTH R		DEF	11,19,77	UWZ	V
1701	07020009	020	BLUE EARTH R, W BR		DEF	11,19,77	UWZ	V
1702	07020009	021	BLUE EARTH R		DEF	11,19,77	UWZ	V
1703	07020009	023	BLUE EARTH R, E BR		DEF	11,19,77	UWZ	V
1704	07020009	025	BLUE EARTH R, E BR	all	DEF	11,19,77	UWZ	V

A304L=LONG A304M=MEDIUM CO=23 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1705	07040008	016	ROOT R, N BR		ACEGH	11,14,18,19	SX	YU
1706	07040008	018	ROOT R, N BR	15	ACEGH	11,14,18,19	SX	YU
1707	07040008	027	SPRING VALLEY CR	10	ACEGH	11,14,18,19	S	U
1708	07040008	027	SPRING VALLEY CR	-	CDEF	14,41,66	S	U
1709	07040008	029	ROOT R, S BR		ACEGH	11,14,18,19	SX	YU
1710	07040008	030	ROOT R, S BR	15	ACEGH	11,14,18,19	SX	YU
1711	07040008	031	WATSON CR	4	ACEGH	11,14,18,19	S	U
1712	07040008	032	ROOT R, S BR		ACEGH	11,14,18,19	SX	YU
1713	07040008	033	ROOT R, S BR		ACEGH	11,14,18,19	SX	YU
1714	07040008	034	ROOT R, S BR		ACEGH	11,14,18,19	SX	YU
1715	07040008	035	ROOT R, S BR		ACEGH	11,14,18,19	SX	YU
1716	07040008	037	WILLOW CR	2	ACEGH	11,14,18,19	S	U
1717	07040008	038	CAMP CR	4	ACEFH	11,14,18,19	S	U
1718	07040008	039	*D	4	ACEGH	11,18,19	S	U
1719	07040008	127	SPRING VALLEY CREEK		ACEGH	11,14,18,19	S	U
1720	07040008	127	SPRING VALLEY CREEK		CDEF	14,41,66	S	U
1721	07040008	227	SPRING VALLEY CREEK		ACEGH	11,14,18,19	S	U
1722	07040008	227	SPRING VALLEY CREEK		CDEF	14,41,66	S	U

A304L=LONG A304M=MEDIUM CO=24 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1723			Geneva Lk	1944ac	ED	19,11,18	T	-
1724			Penny Lk	99ac	DE	11,19,	Z	-
1725			School Sec Lk	99ac	DE	11,19	Z	-
1726			(Chapau Lk)white Lk	144ac	DEC	18,19,65,43,	Z	-
1727			Spicer Lk	100ac	DE	11,19	Z	-
1728			Trenton Lk	200ac	DE	11,19	Z	-
1729			Eberhart Lk	140ac	DE	11,19	Z	-
1730			Fountain Lk	490ac	DCE	41,42,11,18,19	TMZ	VZ
1731			Fountain Lk		DCE	41,42,11,18,19	TMZ	VZ
1732			Albert Lea Lk	2625ac	CDEFA	41,42,11,18,19,62	S	TX
1733			Bear Lk	1560ac	CDEFA	11	ZT	U
1734			Pickeral Lk	563 ac	CDE	11	-	-
1735			Freeborn Lk	2125ac	CDE	11,14	-	-
1736			State Line Lk	425ac	DE	11,14,19	TZ	U
1737			Upper Twin Lk	1095	DE	11,14,19	Z	-
1738			Lower Twin Lk	1095ac	DE	11,14,19	Z	-

A304L=LONG A304M=MEDIUM CO=25 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1739	07040001	x05	Spring Cr	-	DEFGI	11,19,18,30	S	U
1740	07040001	001	MISSISSIPPI R	all	BCDEFG	62,72,74,11,19,32,41,43	TW	UX
1741	07040001	002	MISSISSIPPI R		BCDEFG	62,72,74,11,19,32,41,43	TW	UX
1742	07040001	004	MISSISSIPPI R		BCDEFG	62,72,74,11,19,32,41,43	TW	UX
1743	07040001	005	MISSISSIPPI R		BCDEFG	62,72,74,11,19,32,41,43	TW	UX
1744	07040001	006	MISSISSIPPI R		BCDEFG	62,72,74,11,19,32,41,43	TW	UX
1745	07040001	008	MISSISSIPPI R		BCDEFG	62,72,74,11,19,32,41,43	TW	UX
1746	07040001	013	HAY CR	-	DEFGI	11,18,19,80	T	U
1747	07040001	014	WELLS CR	-	DEFGI	11,18,19,80	S	U
1748	07040002	x01	Spring Cr	-	DEFGI	11,18,19,80	S	T
1749	07040002	x06	Spring Cr	-	DEFGI	11,19,18,30	S	U
1750	07040002	034	LITTLE CANNON R	-	DEFGI	11,18,19,80	T	U
1751	07040002	035	BELLE CR	-	DEFGI	11,18,19,80	S	U
1752	07040004	005	ZUMBRO R, N FK		DEFGI	11,18,19,80	SWZ	UXZ
1753	07040004	007	ZUMBRO R, N FK	-	DEFGI	11,18,19,80	SWZ	UXZ
1754	07040004	007	ZUMBRO R, N FK		CDEFG	11,19,32,41,43,62	S	UZ
1755	07040004	011	ZUMBRO R, M FK, N BR	-	DEFGI	11,18,19,80	SWZ	TXZ
1756	07040004	011	ZUMBRO R, M FK, N BR	all	CDEFG	11,19,32,41,43,62	S	UZ
1757	07040004	210	M FK ZUMBRO R		CDEFG	11,19,32,41,43,62	S	UZ

A304L=LONG A304M=MEDIUM CO=27 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1758			Brownie Lk	11ac	ABDEF	41,43,80	Z	-
1759			Lk Of The Isles	128ac	ABCE	41,43	Z	-
1760			Twin Lk	13ac	ABDEFG	31,32,41,43,80	Z	-
1761			Diamond Lk	58ac	ADEFI	31,32,41,43,80	Z	-
1762			Hannon Lk	32ac	ABDE	32,41,43	Z	-
1763			Hiawatha Lk	66ac	ABCDE	41,43,80	Z	-
1764			Brownie Lk	11ac	ABDEF	41,43,80	Z	-
1765			Lk Of The Isles	128ac	ABCE	41,43	Z	-
1766			Twin Lk	13ac	ABDEFG	31,32,41,43,80	Z	-
1767			Hannon	32ac	ABDE	32,41,43	Z	-
1768			Lk Hiawatha	66ac	ABCDE	41,43,80	Z	-
1769			Diamond Lk	58ac	ADEFI	31,32,41,43,80	Z	-

A304L=LONG A304M=MEDIUM CO=28 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1770	07040006	001	MISSISSIPPI R	36	DEBAG	19,11,72,61,62,66,41	WTZ	XVZ
1771	07040006	002	MISSISSIPPI R		DEBAG	19,11,72,61,62,66,41	WTZ	XVZ
1772	07040006	010	PINE CR	11	DEFG	41,11,14,19	T	V
1773	07040008	001	ROOT R		DE	19	T	UX
1774	07040008	002	ROOT R		DE	19	T	UX
1775	07040008	003	ROOT R		DE	19	T	UX
1776	07040008	005	ROOT R	all	DE	19	T	UX
1777	07040008	047	THOMPSON CR	18	DEFG	41,11,14,19	T	V
1778	07060001	023	WINNEBAGO CR	19	DEFG	41,11,14,19	T	V

A304L=LONG A304M=MEDIUM CO=32 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1779			Loon Lk	720ac	ABCDEFGH	11,19,65,76,71	UW	UX
1780			Fish Lk	204ac	ABCDEFGH	11,19,65,76,71	TW	UX
1781			Heron Lk	8251ac	ABCDEFGH	11,19,76,71	SW	SW
1782			Heron Lk		ABCDEFGH	11,19,76,71	SW	SW
1783			Heron Lk		ABCDEFGH	11,19,76,71	SW	SW
1784			Heron Lk		ABCDEFGH	11,19,76,71	SW	SW
1785			Heron Lk		ABCDEFGH	11,19,76,71	SW	SW
1786			Heron Lk		ABCDEFGH	11,19,76,71	SW	SW
1787			Heron Lk		ABCDEFGH	11,19,76,71	SW	SW

A304L=LONG A304M=MEDIUM CO=32 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1788	07100002	013	DES MOINES R	160mi	ABCDEFGH	11,19,41,43,76,71	TW	UX

A304L=LONG A304M=MEDIUM CO=34 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1789			Willmar Lk	761ac	DEF	41,43,66,72	WS	TV
1790			Foot Lk	576ac	DEF	41,43,66,72	WS	TV

A304L=LONG A304M=MEDIUM CO=35 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1791			Bronson Lk	300	ABCDEFG	11,18,19,65,71	SW	UX
1792			Stella Lk	25	ABCDEFG	11,18,19,65,71	Z	ZT

A304L=LONG A304M=MEDIUM CO=35 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1793	09020311	002	RED R		EG	40,19,11	UWY	X
1794	09020311	003	RED R		EG	40,19,11	UWY	X
1795	09020311	004	RED R		EG	40,19,11	UWY	X
1796	09020311	005	RED R		EG	40,19,11	UWY	X
1797	09020311	006	RED R	all	EG	40,19,11	UWY	X

A304L=LONG A304M=MEDIUM CO=36 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1798	09030004	001	RAINY R	all	EI	65,80	U	UW
1799	09030004	011	RAINY R		EI	65,80	U	UW
1800	09030004	012	RAINY R		EI	65,80	U	UW
1801	09030004	013	RAINY R		EI	65,80	U	UW
1802	09030008	001	RAINY R	all	EI	65,80	U	UW
1803	09030008	005	RAINY R		EI	65,80	U	UW
1804	09030008	007	RAINY R		EI	65,80	U	UW

A304L=LONG A304M=MEDIUM CO=37 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1805	07020001	007	MINNESOTA R		ACDEFGI	11,12,14,18,19,62,65,71,80	TW	SW
1806	07020001	011	MARSH L		ACDEFGI	11,12,14,18,19,62,65,71,80	TW	SW
1807	07020001	013	MARSH L		ACDEFGI	11,12,14,18,19,62,65,71,80	TW	SW
1808	07020001	018	MINNESOTA R		ACDEFGI	11,12,14,18,19,62,65,71,80	TW	SW
1809	07020001	019	MINNESOTA R	40mi	ACDEFGI	11,12,14,18,19,62,65,71,80	TW	SW
1810	07020001	020	MINNESOTA R		ACDEFGI	11,12,14,18,19,62,65,71,80	TW	SW
1811	07020001	036	YELLOW BANK R		ACDEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y
1812	07020001	037	YELLOW BANK R, N FK	–	ACDEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y
1813	07020001	038	YELLOW BANK R, S FK		ACDEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y
1814	07020003	001	LAC QUI PARLE R		ADCEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y
1815	07020003	002	LAC QUI PARLE R	–	ADCEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y
1816	07020003	012	LAC QUI PARLE R		ADCEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y
1817	07020003	014	LAZARUS CR	–	ACDEGI	11,12,14,18,19,31,65,71,74,77,80	SW	Y

A304L=LONG A304M=MEDIUM CO=39 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1818			Zippel Bay	7	DEFG	11,19,71,77	U	U

A304L=LONG A304M=MEDIUM CO=40 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1819	07020007	001	MINNESOTA R		DEF	11,19,77	UWZ	-
1820	07020007	002	MINNESOTA R		DEF	11,19,77	UWZ	-
1821	07020007	003	MINNESOTA R		DEF	11,19,77	UWZ	-
1822	07020007	004	MINNESOTA R		DEF	11,19,77	UWZ	-
1823	07020007	005	MINNESOTA R	all	DEF	11,19,77	UWZ	-
1824	07020012	019	MINNESOTA R		DEF	11,19,77	UWZ	-
1825	07020012	020	MINNESOTA R	all	DEF	11,19,77	UWZ	-
1826	07040002	017	CANNON R	all	DEFC	11,19,77	UZ	-

A304L=LONG A304M=MEDIUM CO=41 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1827			Dead Coon Lk	500ac	DEF	11,19	TW	-
1828			Perch Lk	300ac	DE	11,14,19,31	UW	-
1829			W Twin Lk	320ac	ABDEF	11,14,19	SW	-
1830			E Twin Lk	320ac	ABDEF	11,14,19	SW	-
1831			Curtis Lk	120ac	ABDEF	11,14,19	Y	-
1832			Hawks Nest Lk	300ac	ABDEF	11,14,19	SW	-

A304L=LONG A304M=MEDIUM CO=43 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1833			Winsted Lk	407ac	ABDEF	19,32,41,61	WS	Y
1834			Winsted Lk	410ac	ABDE	14,19,43	SWZ	UXZ

A304L=LONG A304M=MEDIUM CO=43 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1835	?	?		6mi	BE	14,18,19	Z	Z
1836	07010205	x01	Private Dt	3mi	BE	14,18,64	Z	Z

A304L=LONG A304M=MEDIUM CO=44 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1837			Sandy Lk	200ac	BE	11,19	W	X

A304L=LONG A304M=MEDIUM CO=44 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1838	09020108	x05	Whiskey Ck	6mi	DE	11,19	-	Y
1839	09020108	x15	CD 91	-	DE	14,18	S	T
1840	09020108	x15	CD 92	-	DE	14,18	S	T
1841	09020108	015	MARSH R	10-15mi	DE	11,19	S	T
1842	09020301	013	SAND HILL CR	3mi	DEF	11,19	Y	T

A304L=LONG A304M=MEDIUM CO=45 WBT=WETLAND

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1843			Unnamed (Overton Imp Florian)	80ac	ABCDEFG	11,18,19,65,71	SW	TX

A304L=LONG A304M=MEDIUM CO=46 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1844			Fox Lk	-	ABCDE	19,11,65,16,90	SWY	-
1845			South Silver Lk	-	ABCDE	19,11,65,16,90	SWY	-
1846			Fox Lk	-	ABCDE	19,11,65,16,90	SWY	-
1847			S Silver Lk	-	ABCDE	19,11,65,16,90	SWY	-

A304L=LONG A304M=MEDIUM CO=46 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1848	07020009	004	ELM CR		EI	63,72,77	S	T
1849	07020009	006	ELM CR		EI	63,72,77	S	T
1850	07020009	007	ELM CR	35	EI	63,72,77	S	T

A304L=LONG A304M=MEDIUM CO=50 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1851			E Side Lk	all	ABCDEFG	40,19,11,65,18,30	SWZ	UXZ

A304L=LONG A304M=MEDIUM CO=50 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1852	?	?	Robinson Cr	all	BCDEFG	19,11,65	SW	UXZV
1853	?	?	Cary's Cr	all	BCDEFG	19,11,65	SW	UXZV
1854	?	?	Orchard Cr	all	ACDEF	40,19,11,18	T	U
1855	07040008	018	ROOT R, N BR	all	BCDEFG	19,11,65	SW	UXZV
1856	07080201	x16	Orchard Cr	5mi	AE	14,19,65	S	V
1857	07080201	009	LITTLE CEDAR R	10mi	ACEF	141,16,18,19,65	S	U
1858	07080201	009	LITTLE CEDAR R	all	ACDEF	40,19,11,18	T	U
1859	07080201	014	OTTER CR	all	ACDEF	40,19,11,18	T	U
1860	07080201	016	CEDAR R	30mi	ABCDEFG	11,12,14,16,18,19,41,43,62,65	T	U
1861	07080201	016	CEDAR R		ACEF	40,19,11,65,18	T	U

A304L=LONG A304M=MEDIUM CO=50 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1862	07080201	017	ROSE CR	23mi	CEF	16,18,19	S	T
1863	07080201	017	ROSE CR	all	ACDEF	40,19,11,18	T	U
1864	07080201	018	CEDAR R		ABCDEFG	11,12,14,16,18,19,41,43,62,65	T	U
1865	07080201	018	CEDAR R		ACEF	40,19,11,65,18	T	U
1866	07080201	019	CEDAR R		ABCDEFG	11,12,14,16,18,19,41,43,62,65	T	U
1867	07080201	019	CEDAR R		ACEF	40,19,11,65,18	T	U
1868	07080201	020	DOBBIN CR	15mi	BCDEFG	11,14,16,18,19,63,65	S	T
1869	07080201	020	DOBBIN CR	all	ABCDEFG	40,19,11,65,18,30	SWZ	UXZ
1870	07080201	021	CEDAR R		ABCDEFG	11,12,14,16,18,19,41,43,62,65	T	U
1871	07080201	021	CEDAR R		ACEF	40,19,11,65,18	T	U
1872	07080201	022	ROBERTS CR	8mi	ABCDEF	14,18,19,41,62,65	S	U
1873	07080201	023	CEDAR R	all	ACEF	40,19,11,65,18	T	U
1874	07080201	024	TURTLE CR	8mi	DEF	13,19,71	S	U
1875	07080201	024	TURTLE CR	all	ACEFG	40,19,11,65,18	S	U

A304L=LONG A304M=MEDIUM CO=51 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1876			Louisa Lk	211ac	DE	14,18,19	S	-

A304L=LONG A304M=MEDIUM CO=52 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1877	07020007	008	MINNESOTA R		DEF	11,19,77	UWZ	-
1878	07020007	009	MINNESOTA R		DEF	11,19,77	UWZ	-
1879	07020007	010	MINNESOTA R		DEF	11,19,77	UWZ	-
1880	07020007	011	MINNESOTA R		DEF	11,19,77	UWZ	-
1881	07020007	013	MINNESOTA R		DEF	11,19,77	UWZ	-
1882	07020007	015	MINNESOTA R		DEF	11,19,77	UWZ	-
1883	07020007	016	MINNESOTA R		DEF	11,19,77	UWZ	-
1884	07020007	018	MINNESOTA R		DEF	11,19,77	UWZ	-
1885	07020007	019	MINNESOTA R		DEF	11,19,77	UWZ	-
1886	07020007	021	MINNESOTA R	all	DEF	11,19,77	UWZ	-

A304L=LONG A304M=MEDIUM CO=53 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1887	07100001	123	JACK CREEK	53mi	ACDEF	11,14,16,18,19,61,71,76,77	S	S
1888	07100001	223	JACK CREEK		ACDEF	11,14,16,18,19,61,71,76,77	S	S

A304L=LONG A304M=MEDIUM CO=54 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1889	09020107	001	RED R		EG	40,19,11	UWY	X
1890	09020107	002	RED R		EG	40,19,11	UWY	X
1891	09020107	003	RED R		EG	40,19,11	UWY	X
1892	09020107	009	RED R	all	EG	40,19,11	UWY	X

A304L=LONG A304M=MEDIUM CO=55 WBT=AQUIFER

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1893			Galena Aqf	-	CEI	11,14,16,18,19,41,43,23,63,65,66	Z	Z
1894			St Peter Aqf	-	CEI	11,14,16,18,19,41,43,23,63,65,66	Z	Z
1895			Shakopee Oneola Agf	-	CEI	11,14,16,18,19,41,23,63,65,66	Z	Z

A304L=LONG A304M=MEDIUM CO=55 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1896			Silver Lk	-	BDEFGI	40,19,11,18,30	TW	UX
1897			Lk Zumbro	-	BCDEFGI	19,11,18,30,65	UWZ	UX
1898			Shady Lk	-	BDEFGI	19,11,65,18,70	SW	TX
1899			Silver Lk	60ac	ABCDEFG	11,16,18,19,31,32,41,43,66,77	TZ	TZ
1900			Zumbro Lk	360ac	ABCDEFG	11,16,18,19,32,41,43,51,63,65,66,74,77	TWZ	UXZ
1901			Silver Lk	60ac	ABCDFGE	41,43,66,77,11,16,18,19,31,32	TZ	TZ
1902			Zumbro Lk	360ac	ABCDEFG	41,43,51,63,65,66,11,16,18,19,31,32,74,77	TWZ	UXZ
1903			Zumbro Lk	-	BCDEFG	11,14,16,19,65	UT	U
1904			Shady Lk	-	BCDEFG	11,14,16,19,65	S	T

A304L=LONG A304M=MEDIUM CO=55 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1905	07040003	020	WHITEWATER R, N FK		CDEFG	11,14,16,19,77	UTS	U
1906	07040003	021	WHITEWATER R, M FK	-	CDEFG	11,14,16,19,77	UTS	U
1907	07040004	008	ZUMBRO R		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1908	07040004	009	ZUMBRO R, M FK		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1909	07040004	010	ZUMBRO R, M FK		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1910	07040004	011	ZUMBRO R, M FK, N BR		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1911	07040004	012	ZUMBRO R, M FK		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1912	07040004	013	ZUMBRO R, M FK, S BR		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1913	07040004	014	DODGE CENTER CR		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1914	07040004	016	ZUMBRO R, S FK	-	BDEFGI	11,18,19,80	SWZ	UXZ
1915	07040004	016	ZUMBRO R, S FK	239600ac	ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ
1916	07040004	017	*B		ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ
1917	07040004	018	ZUMBRO R, S FK		BDEFGI	11,18,19,80	SWZ	UXZ
1918	07040004	018	ZUMBRO R, S FK		ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ
1919	07040004	019	ZUMBRO R, S FK		BDEFGI	11,18,19,80	SWZ	UXZ
1920	07040004	019	ZUMBRO R, S FK		ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ
1921	07040004	020	SALEM CR		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1922	07040004	021	ZUMBRO R, S FK		BDEFGI	11,18,19,80	SWZ	UXZ
1923	07040004	021	ZUMBRO R, S FK	-	ABCDEFG	11,16,19,32,41,43,63,65,66,77	ZTW	UWZ
1924	07040004	021	ZUMBRO R, S FK		ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ

A304L=LONG A304M=MEDIUM CO=55 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1925	07040004	021	ZUMBRO R, S FK		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1926	07040004	022	BEAR CR	-	DEFGI	11,18,19	T	U
1927	07040004	022	BEAR CR		ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ
1928	07040004	023	WILLOW CR	-	ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1929	07040004	024	BEAR CR		DEFGI	11,18,19	T	U
1930	07040004	024	BEAR CR		ABCDEFG	11,16,19,31,32,41,43,63,65,66,77	TWZ	UWZ
1931	07040004	024	BEAR CR		ABCDEFG	11,14,16,19,41,43,76,77	STW	UX
1932	07040008	016	ROOT R, N BR		CDFGE	11,14,16,19,77	S	TU
1933	07040008	018	ROOT R, N BR	-	CDFGE	11,14,16,19,77	S	TU

A304L=LONG A304M=MEDIUM CO=57 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1934	09020303	012	RED LAKE R	all	EG	40,19,11	UWY	X
1935	09020303	013	RED LAKE R		EG	40,19,11	UWY	X
1936	09020303	014	RED LAKE R		EG	40,19,11	UWY	X
1937	09020303	015	RED LAKE R		EG	40,19,11	UWY	X

A304L=LONG A304M=MEDIUM CO=59 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1938	10170204	435	E BR ROCK RIVER	114.0sqmi	ABCDEFG	11,14,16,18,19,31,32,41,43,51,62,63,65,71,74,77	SW	UW

A304L=LONG A304M=MEDIUM CO=60 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1939			Badger Lk	80ac	ADIE	11,19	S	U
1940			Mitchell Lk	40ac	ADIE	11,19	Z	Z
1941			White Fish Lk	200ac	ADCE	16,11,19,18	S	U
1942			Poplar Lk	80ac	ADE	14,11,19	S	U
1943			Spring Lk	100ac	DE	41,43	YU	SW
1944			Perch Lk	50ac	ADE	11,19	S	T
1945			Cable Lk	80ac	BED	11,19	S	U
1946			Maple Lk	620ac	ED	41,43,11,19,14,16	TX	UX
1947			Hill River Lk	120ac	ABDE	16,11,19,14	SZ	UZ
1948			Jeppson	50ac	ABDE	16,11,19,14	S	U
1949			Breeze Lk	50ac	ABDE	16,11,19,14,	S	U
1950			Store Lk	100ac	ABDE	11,14,16,19	S	U
1951			Sarah Lk	200ac	ABDE	16,11,19,14	SW	UX
1952			Cameron Lk	200ac	ABDE	11,14,16,19	SW	UX
1953			Oak Lk	250ac	ABDE	11,14,16,19	SW	UX
1954			Turtle Lk	500ac	ABDE	11,14,16,19	SW	UX
1955			Cross Lk	300ac	ABDE	11,14,16,19	SW	UX
1956			Sand Hill Lk	500ac	ABDE	11,14,16,19	SW	UX
1957			Union Lk	500ac	ABDE	11,14,16,19	SW	UX

A304L=LONG A304M=MEDIUM CO=60 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1958	09020301	001	RED R		EG	40,19,11	UWY	X
1959	09020301	003	RED R		EG	40,19,11	UWY	X
1960	09020301	004	RED R		EG	40,19,11	UWY	X
1961	09020301	008	RED R		EG	40,19,11	UWY	X
1962	09020301	010	RED R		EG	40,19,11	UWY	X
1963	09020301	011	RED R	all	EG	40,19,11	UWY	X
1964	09020303	001	RED LAKE R	all	EG	40,19,11	UWY	X
1965	09020303	003	RED LAKE R		EG	40,19,11	UWY	X
1966	09020303	007	RED LAKE R		EG	40,19,11	UWY	X
1967	09020305	008	LOST R		E	11,19	S	T
1968	09020305	010	LOST R		E	11,19	S	T
1969	09020305	013	CLEARWATER R	5mi	DGE	71,72,43,19,11	Z	Z
1970	09020305	112	LOST RIVER	12mi	E	11,19	S	T
1971	09020305	212	LOST RIVER		E	11,19	S	T
1972	09020306	001	RED R		EG	40,19,11	UWY	X
1973	09020306	002	RED R		EG	40,19,11	UWY	X
1974	09020306	003	RED R		EG	40,19,11	UWY	X
1975	09020306	004	RED R		EG	40,19,11	UWY	X
1976	09020306	005	RED R	all	EG	40,19,11	UWY	X

A304L=LONG A304M=MEDIUM CO=63 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1977	09020303	009	RED LAKE R	all	EG	40,19,11	UWY	X
1978	09020303	010	RED LAKE R		EG	40,19,11	UWY	X

A304L=LONG A304M=MEDIUM CO=64 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1979			Redwood Lk	67ac	ABCDEFGH	11,19,41,43,76,71	SW	UX
1980			Willow Lk	162ac	ABCDEFGH	11,19,76,71	SW	SW

A304L=LONG A304M=MEDIUM CO=64 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1981	07020006	001	REDWOOD R		ABCDEFGH	11,19,41,43,76,71	SW	UX
1982	07020006	001	REDWOOD R	40mi	CDEFG	11,16,19,63,66,71,72,77,76	SZ	–
1983	07020006	002	RAMSEY CR	30mi	ABCDEFGH	11,19,41,43,71,76	VYT	UVY
1984	07020006	003	REDWOOD R		ABCDEFGH	11,19,41,43,76,71	SW	UX
1985	07020006	003	REDWOOD R		CDEFG	11,16,19,63,66,71,72,77,76	SZ	–
1986	07020006	004	REDWOOD R	50mi	ABCDEFGH	11,19,41,43,76,71	SW	UX
1987	07020006	004	REDWOOD R		CDEFG	11,16,19,63,66,71,72,77,76	SZ	–
1988	07020008	001	COTTONWOOD R		ABCDEFGH	11,19,41,43,76,71	TVW	UVX
1989	07020008	003	COTTONWOOD R		ABCDEFGH	11,19,41,43,76,71	TVW	UVX
1990	07020008	005	COTTONWOOD R		ABCDEFGH	11,19,41,43,76,71	TVW	UVX
1991	07020008	006	COTTONWOOD R		ABCDEFGH	11,19,41,43,76,71	TVW	UVX
1992	07020008	007	COTTONWOOD R		ABCDEFGH	11,19,41,43,76,71	TVW	UVX
1993	07020008	008	COTTONWOOD R	150mi	ABCDEFGH	11,19,41,43,76,71	TVW	UVX

A304L=LONG A304M=MEDIUM CO=65 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
1994			Preston Lk	678ac	ABCDEFGH	11,19,65,76,71	UW	UX
1995			Allie Lk	510ac	ABCDEFGH	11,19,65,76,71	UW	UX
1996			Boon Lk	857ac	ABDEFGH	11,18,19	Z	Z
1997			Hodgson Lk	156ac	ABDEFGH	11,19	Z	Z
1998			Phare Lk	137ac	ABDEFGH	11,19	Z	Z
1999			Allie Lk	510ac	ABDEFGH	11,18,19,65	SW	UX
2000			Preston Lk	678ac	ABDEFGH	11,18,19,65	SW	UX
2001			Round Lk	148ac	ABDEFGH	11,19	Z	Z
2002			Mud Lk	-	ABDEFGH	11,18,19	Z	Z

A304L=LONG A304M=MEDIUM CO=65 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2003	07020004	001	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2004	07020004	005	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2005	07020004	005	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2006	07020004	006	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2007	07020004	008	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2008	07020004	008	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2009	07020004	010	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2010	07020004	010	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2011	07020004	011	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2012	07020004	011	MINNESOTA R	-	DEFGH	66,11,18,19,62	TW	UZ
2013	07020004	012	HAWK CR		ABCDEFGH	11,19,41,43,71,76	YT	UY
2014	07020004	014	HAWK CR	50mi	ABCDEFGH	11,19,41,43,71,76	YT	UY
2015	07020004	015	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2016	07020004	016	MINNESOTA R	115mi	ABCDEFGH	11,19,41,43,76,71	TW	UX
2017	07020007	001	MINNESOTA R	115mi	ABCDEFGH	11,19,41,43,76,71	TW	UX
2018	07020007	010	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2019	07020007	011	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2020	07020007	013	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2021	07020007	015	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2022	07020007	016	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2023	07020007	018	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2024	07020007	018	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2025	07020007	019	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2026	07020007	019	MINNESOTA R		DEFGH	66,11,18,19,62	TW	UZ
2027	07020007	021	MINNESOTA R		ABCDEFGH	11,19,41,43,76,71	TW	UX
2028	07020007	021	MINNESOTA R	-	DEFGH	66,11,18,19,62	TW	UZ

A304L=LONG A304M=MEDIUM CO=66 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2029			Lyman Lk	-	BDEFG	19,11,30	SW	UX
2030			Cannon Lk	1476ac	BCDEF	11,14,19,41,43,65,72,76	TW	UX
2031			Wells Lk	634ac	BCDEF	11,19,43	SW	-

A304L=LONG A304M=MEDIUM CO=66 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2032	07040002	001	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2033	07040002	002	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2034	07040002	004	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2035	07040002	005	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2036	07040002	006	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2037	07040002	008	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2038	07040002	008	CANNON R		BCDEFG	11,19,43,41,65,73,74	TW	U
2039	07040002	010	CANNON R	–	BDEFGI	11,18,19,80	TVWZ	UVXZ
2040	07040002	010	CANNON R		BCDEFG	11,19,43,41,65,73,74	TW	U
2041	07040002	012	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2042	07040002	012	CANNON R		BCDEFG	11,19,43,41,65,73,74	TW	U
2043	07040002	013	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2044	07040002	013	CANNON R		BCDEFG	11,19,43,41,65,73,74	TW	U
2045	07040002	014	CANNON L (CANNON R)		BDEFGI	11,18,19,80	TVWZ	UVXZ
2046	07040002	016			BCDEFG	11,19,43,41,65,73,74	TW	U
2047	07040002	017	CANNON R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2048	07040002	017	CANNON R	110mi	BCDEFG	11,19,43,41,65,73,74	TW	U
2049	07040002	018	STRAIGHT R	–	BDEFGI	11,18,19,80	TVWZ	UVXZ
2050	07040002	018	STRAIGHT R		CDEFG	71,73,77,11,19,41,43,18	SW	U
2051	07040002	021	STRAIGHT R		CDEFG	71,73,77,11,19,41,43,18	SW	U
2052	07040002	022	STRAIGHT R		CDEFG	71,73,77,11,19,41,43,18	SW	U
2053	07040002	023	STRAIGHT R	45mi	CDEFG	71,73,77,11,19,41,43,18	SW	U
2054	07040002	028	STRAIGHT R	–	BDEFGI	11,18,19,80	TVWZ	UVXZ

A304L=LONG A304M=MEDIUM CO=68 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2055	09020314	002	ROSEAU R	–	ACDEFG	11,18,19,65,71,77	T	UW

A304L=LONG A304M=MEDIUM CO=69 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2056			Crane Lk	all	EB	90,65	U	UX
2057			Sand Point Lk	all	E	90,65	U	UX
2058			Little Sandy Lk	–	E	57	Z	–
2059			Sandy Lk	–	E	57	Z	–

A304L=LONG A304M=MEDIUM CO=69 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2060	04010201	011	ST LOUIS R	30mi	CE	63	U	–
2061	09030001	x35	Beartrap Cr	1mi	CE	63	V	–

A304L=LONG A304M=MEDIUM CO=70 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2062			Pleasant Lk	269ac	ABEFG	11,16,19	Z	-
2063			Geis Lk	185	ABEFG	11,16,19	Z	-
2064			Sutton Lk	463	ABEFG	11,16,19	Z	-
2065			Clarks Lk	316	ABEFG	11,16,19	Z	-

A304L=LONG A304M=MEDIUM CO=73 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2066			Cedar Island Lk Chain	3000ac	BDE	11,12,16,62,65,71	TW	UX
2067			Cedar Island Lk Chain		BDE	11,12,16,62,65,71	TW	UX
2068			Cedar Island Lk Chain		BDE	11,12,16,62,65,71	TW	UX
2069			Cedar Island Lk Chain		BDE	11,12,16,62,65,71	TW	UX
2070			Horseshoe Lk Chain	3000ac	BDE	11,12,16,62,65,71	TW	UX
2071			Horseshoe Lk Chain	3000ac	BDE	11,12,16,62,65,71	TW	UX
2072			Horseshoe Lk Chain	3000ac	BDE	11,12,16,62,65,71	TW	UX
2073			Horseshoe Lk Chain	3000ac	BDE	11,12,16,62,65,71	TW	UX
2074			Becker Lk	all	ABCDEGF	19,11,65,18,30,40	TW	UX
2075			Horseshoe Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2076			Cedar Island Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2077			Cedar Island Lk		ABCDEFG	19,11,65,18,30,40	TW	UX
2078			Cedar Island Lk		ABCDEFG	19,11,65,18,30,40	TW	UX
2079			Cedar Island Lk		ABCDEFG	19,11,65,18,30,40	TW	UX
2080			Long Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2081			N Browns Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2082			Great Northern Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2083			Krays Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2084			Knaus Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2085			Marie Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2086			Middle Spunk Lk	all	E	19,11,65	TW	UX
2087			Rice Lk	all	BDEFG	19,11,65,18	TW	UX

A304L=LONG A304M=MEDIUM CO=73 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2088	07010202	001	SAUK R		ABCDEFG	19,11,65,18,30,40	TW	UX
2089	07010202	002	SAUK R		ABCDEFG	19,11,65,18,30,40	TW	UX
2090	07010202	004	SAUK R		ABCDEFG	19,11,65,18,30,40	TW	UX
2091	07010202	006	SAUK R	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2092	07010203	011	CLEARWATER CR		ABCDEFG	19,11,65,18,30,40	TW	UX
2093	07010203	015	CLEARWATER CR	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2094	07010204	004	CROW R, N FK	all	BDEFG	19,11,65,18	TW	UX
2095	07010204	005	CROW R, N FK		BDEFG	19,11,65,18	TW	UX
2096	07010204	006	CROW R, N FK		BDEFG	19,11,65,18	TW	UX
2097	07010204	007	CROW R, N FK		BDEFG	19,11,65,18	TW	UX

A304L=LONG A304M=MEDIUM CO=74 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2098	07040002	019	STRAIGHT R	-	BDEFGI	11,18,19,80	TVWZ	UVXZ
2099	07040002	019	STRAIGHT R		CDEG	40,19,11,65,18	SW	UX
2100	07040002	021	STRAIGHT R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2101	07040002	021	STRAIGHT R		CDEG	40,19,11,65,18	SW	UX
2102	07040002	022	STRAIGHT R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2103	07040002	022	STRAIGHT R		CDEG	40,19,11,65,18	SW	UX
2104	07040002	023	STRAIGHT R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2105	07040002	023	STRAIGHT R		CDEG	40,19,11,65,18	SW	UX
2106	07040002	025	STRAIGHT R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2107	07040002	025	STRAIGHT R		CDEG	40,19,11,65,18	SW	UX
2108	07040002	027	STRAIGHT R		BDEFGI	11,18,19,80	TVWZ	UVXZ
2109	07040002	027	STRAIGHT R		CDEG	40,19,11,65,18	SW	UX
2110	07040002	028	STRAIGHT R	all	CDEG	40,19,11,65,18	SW	UX

A304L=LONG A304M=MEDIUM CO=75 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2111	07020002	111	MUDDY (MUD) CREEK		ADE	12,19	-	-
2112	07020002	211	MUDDY (MUD) CREEK	25mi	ADE	12,19	-	-

A304L=LONG A304M=MEDIUM CO=77 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2113			Sauk Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2114			Sauk Lk		ABCDEFG	19,11,65,18,30,40	TW	UX

A304L=LONG A304M=MEDIUM CO=78 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2115			Traverse Lk	11000ac	ABCDE	11,16,19,62,74,77	TW	UX
2116			Mud Lk	4500ac	ABCDE	11,16,19,62,74,77	SW	UW
2117			Traverse Lk	all	ABCE	19,11,18	UW	UX
2118			Mud Lk	all	ABCE	19,11,18	SW	SX

A304L=LONG A304M=MEDIUM CO=78 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2119	09020102	001	MUSTINKA R	24mi	EFGB	11,16,19,41,43,77	SW	TW
2120	09020102	001	MUSTINKA R	all	ABCE	19,11,18	UW	UX
2121	09020102	002	MUSTINKA R		EFGB	11,16,19,41,43,77	SW	TW
2122	09020102	002	MUSTINKA R		ABCE	19,11,18	UW	UX
2123	09020102	006	MUSTINKA R		EFGB	11,16,19,41,43,77	SW	TW
2124	09020102	006	MUSTINKA R		ABCE	19,11,18	UW	UX
2125	09020102	010	MUSTINKA R		EFGB	11,16,19,41,43,77	SW	TW
2126	09020102	010	MUSTINKA R		ABCE	19,11,18	UW	UX
2127	09020102	014	MUSTINKA R		EFGB	11,16,19,41,43,77	SW	TW

A304L=LONG A304M=MEDIUM CO=79 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2128	07040003	x08	Indian Cr,e	-	DEFGI	11,18,19	T	U
2129	07040003	019	WHITEWATER R, N FK		DEFGI	11,18,19,80	T	U
2130	07040003	120	N FK WHITEWATER R	-	DEFGI	11,18,19,80	T	U
2131	07040003	220	N FK WHITEWATER R		DEFGI	11,18,19,80	T	U
2132	07040003	320	N FK WHITEWATER R		DEFGI	11,18,19,80	T	U
2133	07040004	x02	Long Cr	-	DEFGI	11,18,19,80	S	T
2134	07040004	x02	Middle Cr	-	DEFGI	11,18,19,80	S	T
2135	07040004	001	ZUMBRO R		BDEFGI	11,18,19,70,80	TVWZ	UVXZ
2136	07040004	002	ZUMBRO R		BDEFGI	11,18,19,70,80	TVWZ	UVXZ
2137	07040004	004	ZUMBRO R		BDEFGI	11,18,19,70,80	TVWZ	UVXZ
2138	07040004	008	ZUMBRO R	-	BDEFGI	11,18,19,70,80	TVWZ	UVXZ
2139	07040004	025	INDIAN CR	-	DEFGI	11,18,19	T	U

A304L=LONG A304M=MEDIUM CO=81 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2140			Watkins Lk	-	DCE	14,19	S	-
2141			Loon Lk	-	AE	41,43,62	UW	-
2142			St Olaf Lk	-	BE	19,43	-	WS
2143			Reeds Lk	-	CDEG	19,43	TX	-
2144			Lilly Lk	-	AE	19,43	-	S
2145			Elysian Lk	-	ABEG	14,19,76	WU	-
2146			Silver Lk	-	DE	14,19	Z	-
2147			Buffalo Lk	-	DEG	14,19	Z	-

A304L=LONG A304M=MEDIUM CO=81 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2148	07020011	x14	Little LeSueur R	-	DEG	19,76,77	-	S
2149	07020011	001	LE SUEUR R	all	DEF	11,19,77	UWZ	V
2150	07020011	009	LE SUEUR R		DEF	11,19,77	UWZ	V
2151	07020011	011	LITTLE COBB R	-	DEG	14,19	-	Y
2152	07020011	012	BULL RUN CR	-	CDEG	14,19	-	Y
2153	07020011	013	LE SUEUR R		CDEG	14,19,76,77	W	S
2154	07020011	013	LE SUEUR R		DEF	11,19,77	UWZ	V
2155	07020011	014	LE SUEUR R	-	CDEG	14,19,76,77	W	S
2156	07020011	014	LE SUEUR R		DEF	11,19,77	UWZ	V
2157	07020011	614	BOOT CREEK		DEG	14,19	-	Y
2158	07020011	714	BOOT CREEK	-	DEG	14,19	-	Y

A304L=LONG A304M=MEDIUM CO=83 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2159			St James Lk	252ac	ABCDEFGH	11,19,41,43,76,71	UW	XU
2160			Kansas Lk	388ac	ABCDEFGH	11,19,76,71	YT	UY
2161			Long Lk	256ac	ABCDEFGH	11,19,41,43,71,76	XT	UX

A304L=LONG A304M=MEDIUM CO=83 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2162	07020010	003	WATONWAN R		DEF	11,19,77	UWZ	V
2163	07020010	004	WATONWAN R		DEF	11,19,77	UWZ	V
2164	07020010	005	WATONWAN R, N FK		DEF	11,19,77	UWZ	V
2165	07020010	006	WATONWAN R		DEF	11,19,77	UWZ	V
2166	07020010	009	JAMES CR	40mi	ABCDEFGH	11,19,41,43,71,76	XT	UX
2167	07020010	010	WATONWAN R, S FK	all	DEF	11,19,77	UWZ	V
2168	07020010	011	WATONWAN R, S FK		DEF	11,19,77	UWZ	V
2169	07020010	013	WATONWAN R, S FK		DEF	11,19,77	UWZ	V

A304L=LONG A304M=MEDIUM CO=84 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2170	09020104	001	RED R		EG	40,19,11	UWY	X
2171	09020104	002	RED R		EG	40,19,11	UWY	X
2172	09020104	003	RED R		EG	40,19,11	UWY	X
2173	09020104	004	RED R		EG	40,19,11	UWY	X
2174	09020104	004	RED R	all	BCFE	11,18,19,41	TW	UW
2175	09020104	005	RED R	all	EG	40,19,11	UWY	X
2176	09020104	005	RED R		BCFE	11,18,19,41	TW	UW

A304L=LONG A304M=MEDIUM CO=85 WBT=AQUIFER

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2177			Shallow Aquifers	-	EC	11,18,19,65	-	-

A304L=LONG A304M=MEDIUM CO=85 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2178	07040003	018	WHITEWATER R	-	DEFGI	11,18,19,80	TV	UV
2179	07040006	010	PINE CR	-	DEFGI	11,18,19,80	T	U

A304L=LONG A304M=MEDIUM CO=86 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2180			Pleasant Lk	800ac	BDEF	11,13,19,41,43,80	U	X
2181			Clearwater Lk	2700ac	ABCDEFG	11,14,16,18,19,80	-	UX
2182			Augusta Lk	800ac	ABCDEFG	11,14,16,18,19	-	UX
2183			Louisa Lk	600ac	ABCDEFG	11,14,16,18,19	-	UX
2184			Caroline Lk	400	ABCDEFG	11,14,16,18,19	-	UX
2185			Ann Lk	900ac	BFED	11,19,65,80	-	UX
2186			Maple Lk	1000ac	BE	11,19,14,16,80	-	UX
2187			Waverly Lk	900ac	BEDF	11,19,14,16,80	-	UX
2188			Louisa Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2189			Caroline Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2190			Augusta Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX
2191			Clearwater Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX

A304L=LONG A304M=MEDIUM CO=86 WBT=LAKE

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2192			Wiegand Lk	all	ABCDEFG	19,11,65,18,30,40	TW	UX

A304L=LONG A304M=MEDIUM CO=86 WBT=STREAM

OBS	HUC	SEG	RCHNAME	AREAMILE	EFFECTS	SOURCE	USEACT	USEPOT
2193	07010204	002	CROW R, N FK		ABCDEFGHI	all	-	U
2194	07010204	004	CROW R, N FK		ABCDEFGHI	all	-	U
2195	07010204	005	CROW R, N FK	2600sqmi	ABCDEFGHI	all	-	U

VIII. PUBLIC HEALTH/AQUATIC LIFE CONCERNS

A. Toxics-Related Concerns

Fishing is an important recreational activity in Minnesota. For most people, a large part of the fun is eating the catch. Unfortunately, some of the waterways in Minnesota are contaminated with chemicals, which accumulate in fish tissue and may be toxic to human and animal consumers. For this reason, the MDNR and the MPCA have put together a program to monitor the levels of toxics in fish.

The toxic chemicals the MPCA monitors are dioxin (TCDD), PCBs, and mercury (Hg). In order to determine the amounts of each of these contaminants in fish tissue, fish are collected by the MDNR. The MPCA then processes these fish, contracts for their analyses, and prepares environmental reports from the data. To date, 41 dioxin, 1,236 PCB, and 2,140 mercury samples were prepared and analyzed. For this report, data from 1975-1986 were used.

Some of the reasons the MPCA tests for these chemicals and no others include:

1. In the case of PCBs and mercury, a general pervasiveness in the environment is observed. Although most discharges from point sources have been removed, PCBs and mercury remain in significant quantities. For this reason, it is important to continue testing in order to determine exactly where and how these compounds get into the life cycle, as well as to examine how they affect human health.

2. Dioxin has been determined to be extremely toxic to laboratory animals. However, no one is certain of the effects of dioxin ingestion in humans. Health officials are fairly certain that it is carcinogenic in small quantities, and they suggest dioxin causes birth defects as well.

3. Each of these compounds is bioaccumulative; that is, the concentrations of PCBs, mercury, and dioxin increase in the tissues of the consumer, as the consumer ingests more contaminants. This poses a threat to human health; as more contaminated food is eaten, the dioxin concentration is greatly increased.

These chemicals enter the environment in various ways. Mercury contamination is largely due to atmospheric mercury being deposited in surface waters. Coal-burning facilities and oil refineries are thought to be the major contributors of mercury. Dioxin has been used in many common herbicides, paints, wood preservatives, dyes, industrial fluids, and even household products. Upon disposal of these products, the dioxin can be deposited in surface and ground water, as well as in the soil. PCBs have been used as industrial insulating agents. They enter surface waters primarily through industrial discharging. Even though PCB production is illegal, variances for use of PCB-containing devices (transformers) are still allowed.

To protect the citizens of Minnesota from the dangerous effects of these compounds, the Minnesota Department of Health (MDH), in conjunction with the MPCA and MDNR issues a fish consumption advisory. This advisory is distributed through news media and booklets that are sent upon request.

The fish consumption advisory issued in May 1987 was used as a basis to determine the use category for contaminants in Minnesota waterways in this section of the report.

There are four categories in the MDH advisory, ranging from "unrestricted" to "no consumption advised." Waterbodies where all of the samples were placed in the "unrestricted consumption" group were listed in the "fully supporting and not threatened" use category. Waterbodies where at least one sample was placed in one of the two intermediate groups were listed in the "partially supporting" use category. Waterbodies where at least one of the samples was in the "no consumption advised" group were listed in the "not supporting and impaired" use category.

Contaminant levels for each interval are listed in Table 20. This assessment does not take into account the variability in contaminant levels due to fish size (i.e., waterbodies with large fish sampled may be placed in a worse category than waterbodies with small fish). In addition, it does not distinguish between locations with different levels of sampling effort.

Table 20. Fish Contaminant Concentrations for Each Use Category

	Contaminant		
	TCDD (ng/kg)	PCB (ug/g)	Hg (ug/g)
Fully supporting (unrestricted consumption)	0.0-0.5	0.0-0.14	0.0-0.21
Partially supporting (moderate consumption)	0.6-5.1	0.15-1.99	0.22-2.95
Not supporting (no consumption advised)	5.2-over	2.0-over	2.96-over

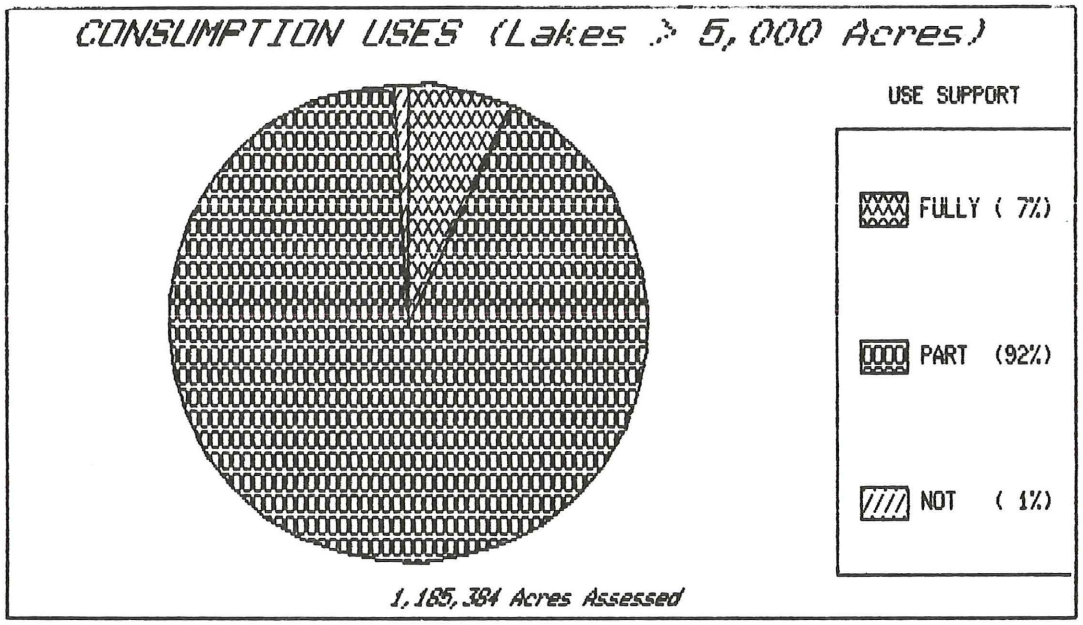
The waterbodies used for this section of the report may not be representative of all Minnesota waters. The fish samples used in this analysis are generally collected from waters that (1) have a history of contamination; (2) are near suspected sources; (3) have characteristics similar to contaminated waters or (4) are heavily fished. Waterways not suspected of being contaminated are not sampled as often or as frequently. Also, large lakes (over 5,000 acres) are not sampled as intensively as small lakes (under 5,000 acres) due to logistical difficulties of obtaining the samples.

Large Lakes (> 5,000 acres)

Nearly one-half of Minnesota's large lakes (30 of 62), representing 1,185,384 acres, have been sampled for contaminants in fish. Of these, four large lakes, representing 85,464 acres (7 percent), fully supported fish consumption uses. Twenty-five lakes, representing 1,091,030 acres (92 percent), partially supported fish consumption uses. This was primarily due to mercury contamination of several northeastern Minnesota lakes. One lake, Minnetonka (lower lake), partially supported fish consumption uses due to PCB contamination. One lake, Sand Point Lake in northeastern Minnesota, representing 8,890 acres (1 percent), did not support fish consumption uses due to mercury contamination. See Figure 15a.

Figure 15. Fish Consumption Use Support

a. Lakes Greater Than 5,000 Acres

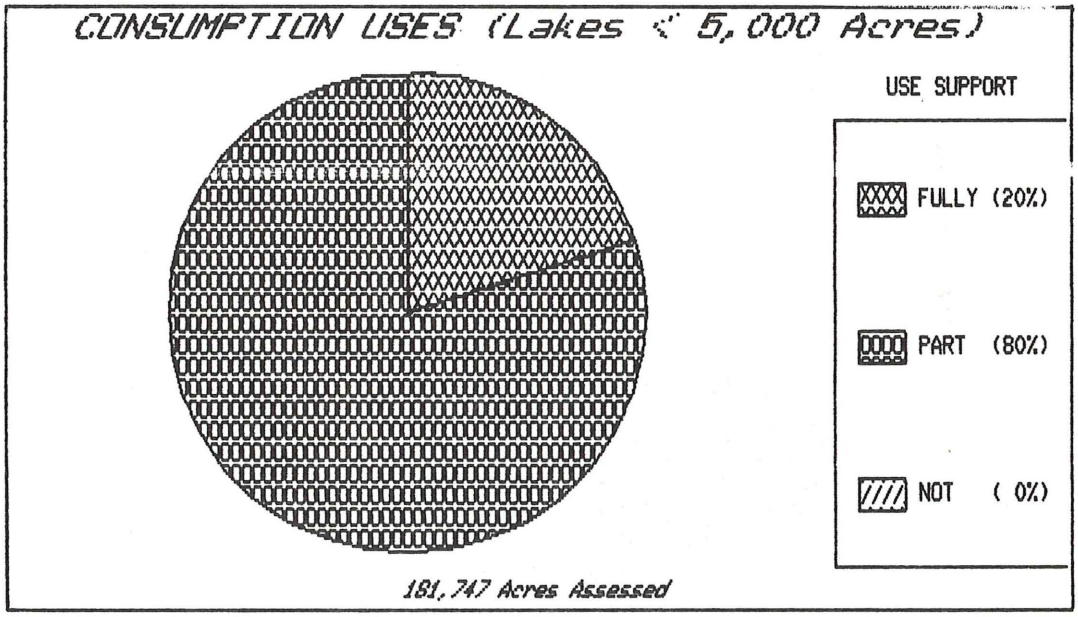


Small Lakes (< 5,000 acres)

A small number of lakes with surface areas less than 5,000 acres have been sampled for contaminants in fish. These lakes represent 181,742 acres, or 198 of 11,972 small lakes. Of these, 31 lakes, representing 35,738 acres (20 percent), fully supported fish consumption uses. One hundred sixty-six lakes, representing 145,018 acres (80 percent), partially supported fish consumption uses primarily due to mercury contamination. Some reservoir lakes (Silver Lake and Grays Bay of Lake Minnetonka) and river backwater lakes (Pig's Eye and Snelling) were contaminated with PCBs, presumably due to past disposal practices. Some Minneapolis-St. Paul area lakes (Christmas and Harriet) were also contaminated with PCBs. The sources of PCBs to these lakes are unknown. Four Mile Bay of Lake of the Woods was contaminated with dioxins from upstream papermill sources (see Figure 15b).

Figure 15. Fish Consumption Use Support

b. Lakes Less Than 5,000 Acres



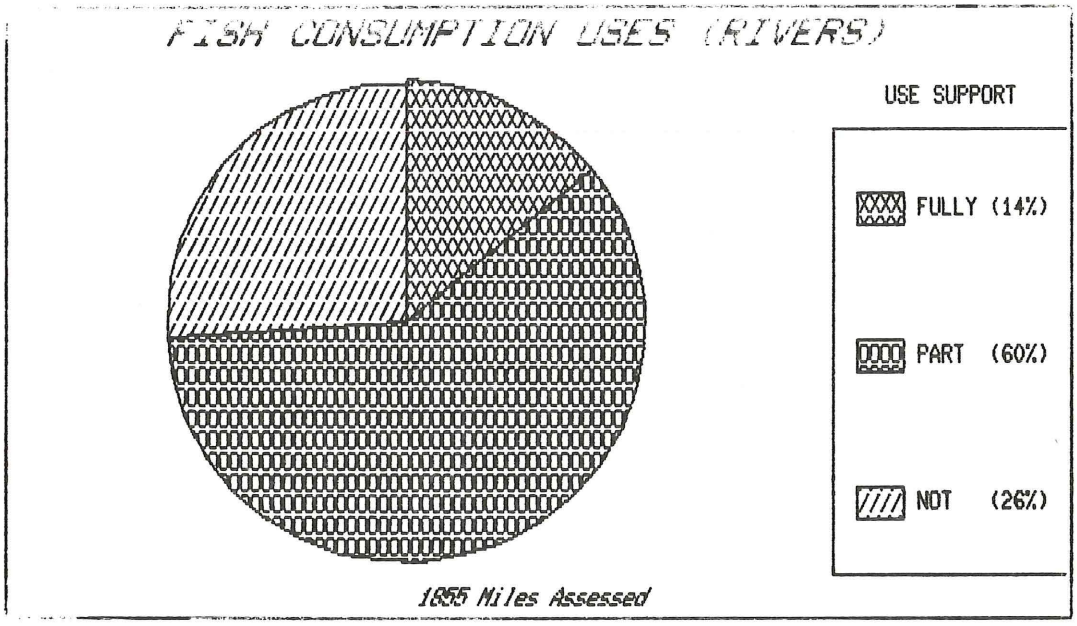
Great Lakes

Fish samples were collected from five locations on Lake Superior. Fish from these locations are thought to represent the whole lake. Lake trout over 30 inches were collected from one location, but were unavailable from the others. These fish had PCB concentrations over 2.0 ug/g. The Wisconsin Department of Natural Resources also collected lake trout over 30 inches (south shore) and measured PCBs over 2.0 ug/g in many of the samples. Based on this information, MDH and the Wisconsin Department of Health decided to issue a lakewide advisory for lake trout over 30 inches. These collections were the first lake trout over 30 inches that were collected for contaminant analyses since the U.S. Food and Drug Administration lowered its guideline for PCBs from 5.0 to 2.0 ug/g. Since all of Lake Superior is under an advisory, the entire shoreline length was classed as not supporting fish consumption uses.

Rivers

Fish from 101 river locations, representing 1855 miles, have been analyzed for contaminants in Minnesota. Of these, 13 locations representing 256 miles (14 percent) fully supported fish consumption uses. Forty-four locations representing 1121 miles (60 percent) partially supported fish consumption uses. Forty-four locations representing 478 miles (26 percent) did not support fish consumption uses. (Figure 16)

Figure 16. Fish Consumption Use Support for Rivers



Figures 17 and 18 summarize the results of fish consumption support analyses in lakes and rivers.

Figure 17.

Fish Consumption Support - Lakes

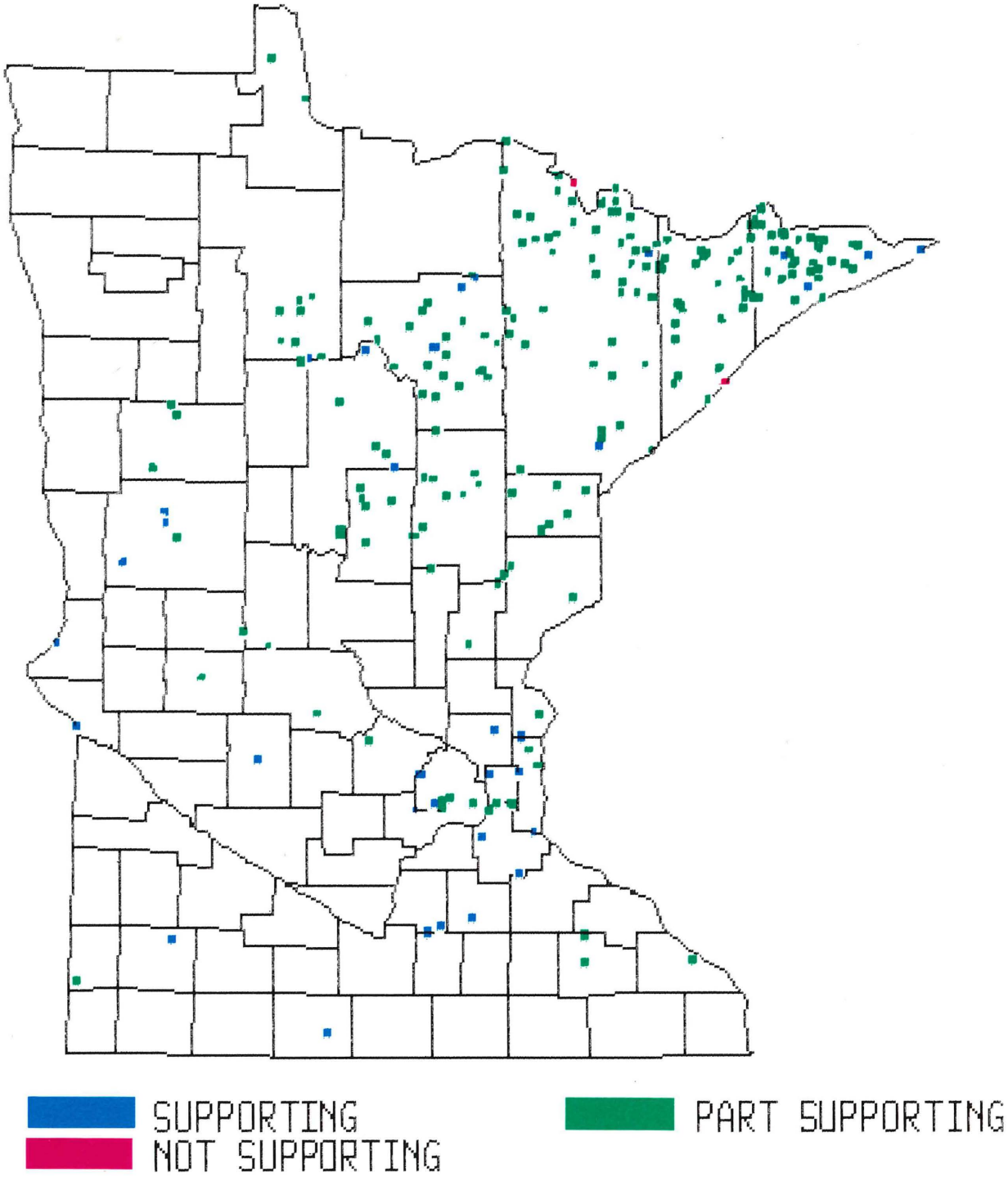
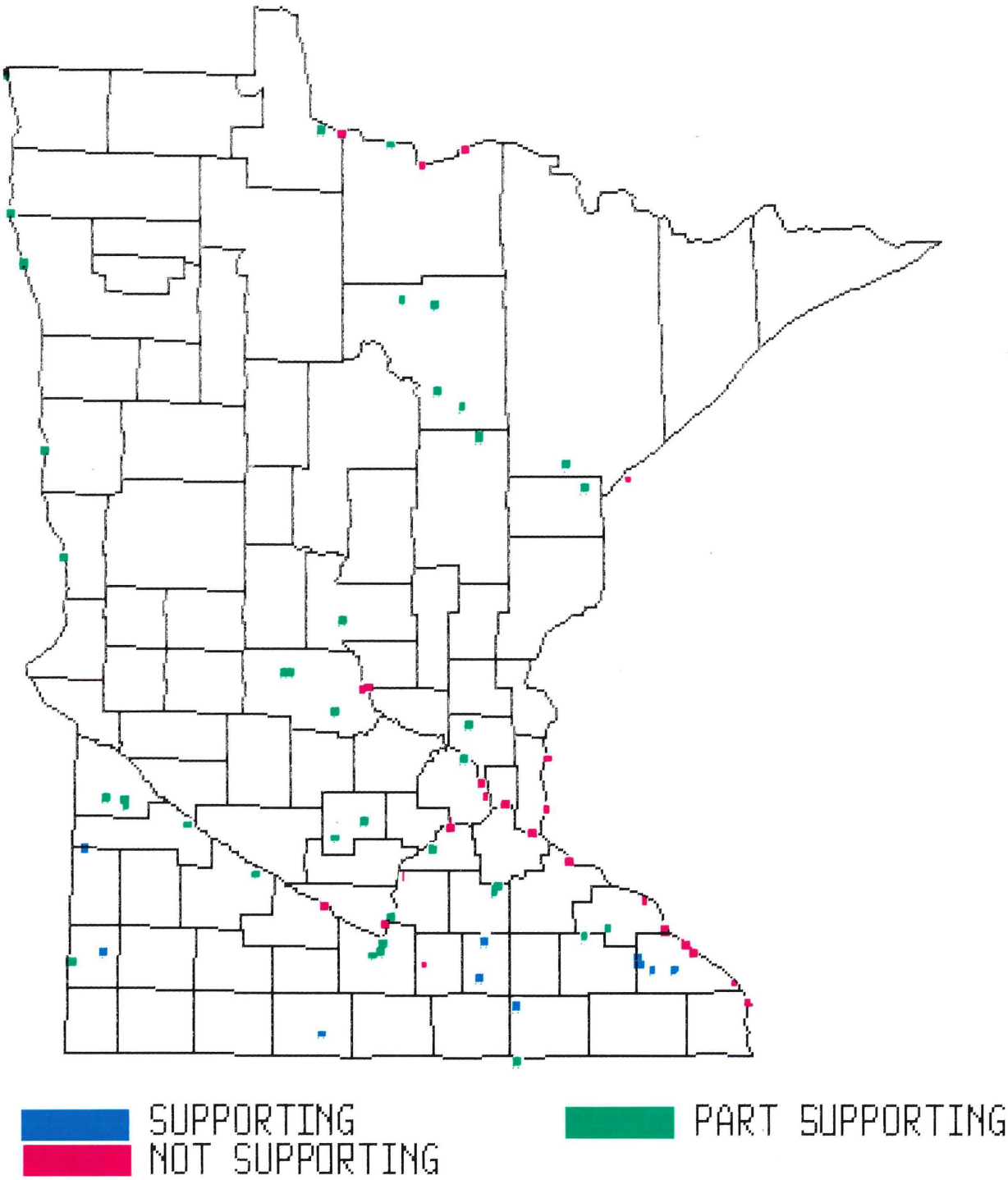


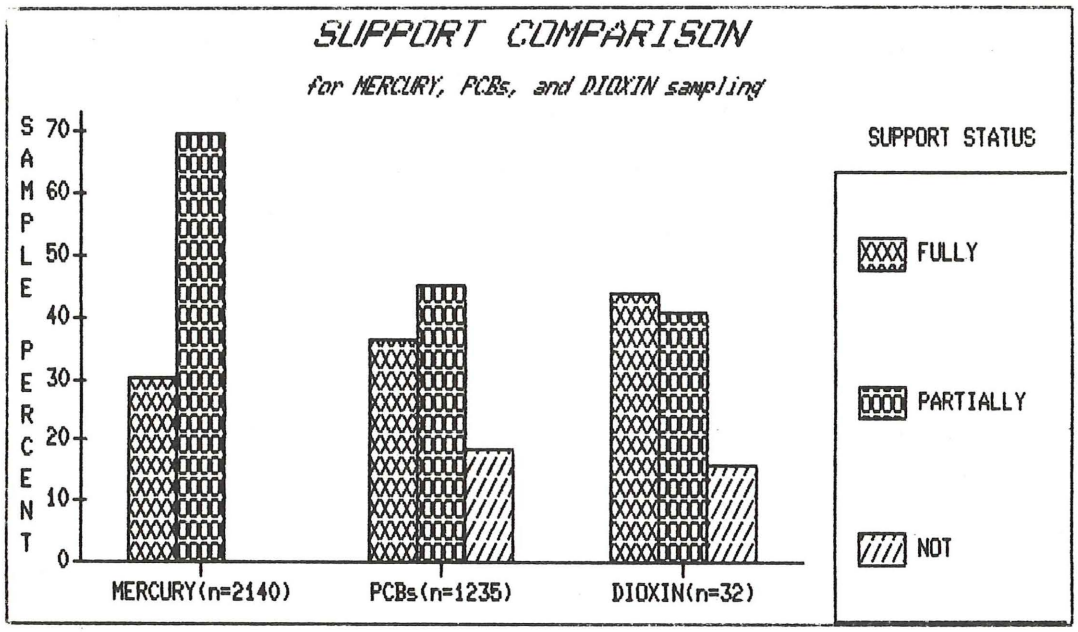
Figure 18.

Fish Consumption Support - Rivers and Streams



Although a specific contaminant trend study was not conducted, some general observations can be made. The majority of the lakes, especially those in northeastern Minnesota, partially or do not support fish consumption uses due to mercury contamination (see Figure 19). This report shows a lower percentage of lake acres in the fully supporting category and a higher percentage in the partially supporting category as opposed to previous reports. This is probably due to improvements in choosing lakes to monitor, and not to worsening conditions. This was made possible by using a water quality model that enabled staff to target lakes prone to mercury contamination.

Figure 19. Fish Consumption Use Support
Percent of Samples in Each Use Category by Contaminant



Only a few lakes, primarily reservoirs or backwater lakes, are contaminated with PCBs or dioxins. Rivers below major municipalities are generally contaminated with PCBs, and occasionally, mercury. Dioxins have been found in rivers downstream of two papermills. Lake Superior does not support fish consumption uses based on new monitoring data. This probably does not indicate worsening conditions.

Fish Kills

There were 80 fish-kill incidents reported to the MDNR from October 1985 through October 1987 (Table 21). A total of 112,419 fish were counted in the 50 cases when the number of dead fish could be estimated. Of these, 69 percent died from oxygen depletion, 19 percent died from disease, 5 percent were killed as a result of chemical spills and 6 percent from unknown causes.

B. Sediment Contamination

There are no specific programs for sediment assessment in Minnesota. Sediment problems are addressed on a case-by-case basis through cooperative efforts between local, state and federal agencies. Two specific cases that are being addressed at present are St. Louis Bay and the Rainy River system. St. Louis Bay has been identified by the International Joint Commission (IJC) as an area where contaminated sediment is a significant detriment to aquatic life. The Rainy River system has undergone extensive sediment sampling to determine the source of dioxins to fish. In the past, sediment problems have been identified based on fish consumption advisories, bulk sediment chemistry and benthic macroinvertebrate structure. Once a sediment problem has been identified, the appropriate course of action is determined based on the source, responsible party, and effects on human health, fish and water quality.

C. Bacteriological Concerns

Local units of government have jurisdiction over beach closings. No beach closings have been reported by these units to the MDH during the swimming season in 1986 and 1987.

D. Toxic Substance Control Program

The MPCA toxic-control strategy is designed to identify toxic pollution problems, determine the sources of pollution, control or eliminate the point or nonpoint sources causing the problems, and monitor the effectiveness of controls. The toxic-control strategy contains many program elements including standards development, effluent limitations, toxicity testing and biomonitoring. Complete descriptions of the various programs can be found in the "Minnesota Pollution Control Agency Water Quality Monitoring Strategy" (September 30, 1987), or the "Minnesota Water Quality Program Plan" for fiscal years 1986 and 1987. These documents may be obtained from the U.S. EPA Region V Clearing House, or by contacting Kathy Svanda, Program Development Section, Division of Water Quality, Minnesota Pollution Control Agency, 520 Lafayette Road, St. Paul Minnesota, 55155 (612-296-8856).

Table 21. Documented fish kills in Minnesota's waters

FISHKILLS

There were 80 fishkill incidents reported to the Minnesota Department of Natural Resources from October 1985 through October 1987 (Table .). A total of 112,419 fish were counted in the 50 cases where the number of dead fish could be estimated. Of these, 69% died from O2 depletion, 19% died from disease, 5% were killed from chemical spills, and 6% died fron unknown causes(Figure).

Documented Fish Kills In Minnesota Waters
October 1985 – October 1987
(from Minnesota Department of Natural Resources records)

Date	Location	County	Number of Fish Killed by: unknown	chemical	O2 depletion**	disease
860311	Crow Wing R.	Morrison			400 !	
860410	county ditch to Clearwater R.	Meeker		*		
860416	Richfield L.	Hennepin			150!	
860417	unnamed pond	Watonwan		*		
860429	Big Spring Creek	Fillmore	49			
860506	Lynch Creek	Fillmore		40		
860515	unnamed pond	Dakota	*			
860515	Medicine Lake	Hennepin	5			
860519	Powderhorn L.	Hennepin				500
860523	Big Cornelian L.	Washington	*			
860523	St James Creek	Watawon		*		
860527	Rebecca L.	Hennepin	*			
860525	Round L.	Jackson				*
860529	Sunset L.	Washington	*			
860530	Coon Lake	Anoka		100		
8606	1st and 2nd Fulda L.	Murray	*			
860603	Sarah L.	Hennepin				*
860605	Demontreville L.	Hennepin				3000
860609	Spring L.	Scott				*
860609	Jane L.	Washington				*
860609	Winsted L.	McLeod			_11815	
860610	Grace L.	Hubbard				1500
860612	School House L.	Clearwater				500
860612	Cedar L.	Scott				*
860612	White Bear L.	Ramsey				*
860613	Ludlow L.	Beltrami				200
860630	Shaokota	Lincoln	1000			
860708	Long L.	Ramsey		100		
860712	Diamond L.	Hennepin			*	
860713	Camp Creek	Fillmore		35		
860805	Long L.	Ramsey				10000
860806	Minnesota R.	Big Stone		5025		
860816	St. James Creek	Watonwan	72			
860817	Sunrise Creek	Anoka	1000			
860923	Little Elk L.	Sheburne	3500			
861115	Virginia L.	Hennepin	216			
870206	Garvin Brook	Winona		53		
870316	Long Meadow L.	Hennepin	*			
870329	Straight R.	Steele			300!	
870406	Rush L.	Crow Wing			119!	
870414	Mustinka R.	Traverse				2000
870427	Lanesbore Pk. Pond	Fillmore		302		
870427	Byllesby(Cannon R.)	Dakota			21576***	
870429	Keller	Dakota				*
870501	Minnetonka L.(Harrison)	Hennepin				*
870502	Little Elk L.	Sherburne				*
870510	Browns Creek	Washington		8		
870514	Minnehaha Creek	Hennepin			–236	
870529	Minnetonka L.(Crystal)	Hennepin				54
870601	Minnetonka L.(Cook)	Hennepin				*

870603	South Center L.	Chisago				*
870608	Maple L.	Yellow Medicine				*
870612	Lupus L.	Lake	*			
870615	Morrison L.	Cass				*
870615	Lura L.	Blue Earth				*
870618	Center Creek	Martin			*	
870620	West Twin L.	Crow Wing				*
870624	N. Br Chanarambie Ck.	Murray	300			
870709	Coon L.	Anoka				1545
870710	Staring L.	Hennepin				2396
870710	Cedar Island L.	Hennepin	560			
870716	unnamed pond	Hennepin	6			
870718	Lower Penn L.	Hennepin	29			
870724	Tischer Cr.	St. Louis			550	
870725	Thompson Cr.	Houston			20000	
870727	Big Elk L.	Sherburne			_522	
870728	Shetek L.	Murray			_1000	
870729	Aspen L.	Itasca			_1200	
870730	Clearwater R.	Beltrami			_*	
870801	Carl's L.	Scott			_325	
870803	South L.	McLeod			_2000	
870804	Waconia L.	Scott			_200	
870805	Super Value Pond	Hennepin			_10000	
870805	Osakis L.	Todd			_233	
870805	Gaystock L.	Carver			_*	
870806	Lucy L.	Carver			_200	
870810	Turtle Creek(JD#24)	Mower	500			
870814	Willow Creek	Fillmore			5000	
870818	Crystal Creek	Carlton			2000	
870828	Watonwan R.	Watonwan				
			7237	5663	77824	21695

*Fish kill observed but number of fish not recorded
**Fishkills in this column include summerkills(underlined), winterkills(exclamation point!), and cases where organic loading from manure or sewage effluent caused O2 depletion.
***TDS, BOD, NH3, from lake drawdown

IX. SPECIAL STATE CONCERNS

A. Mercury in Northern Minnesota's Lakes and Fish

Monitoring by the MPCA has shown the presence of elevated levels of mercury in fish tissue from several northern Minnesota lakes. Over 200 lakes now have fish consumption advisories issued for them by the MDH. Since there are no known point source discharges to these lakes, the source of the mercury contamination is apparently geologic, atmospheric, or a combination of both. Although some studies have correlated high fish tissue concentrations of mercury with increased lake acidity and various other watershed and water quality factors, it is not clear why some lakes in the region contain mercury contaminated fish while other apparently similar nearby lakes do not.

In 1987, the Legislative Committee on Minnesota Resources (LCMR) funded a study to find the source of the mercury and determine what, if any, mitigation strategies can be developed. Research began in the fall of 1987, and the final report is to be completed by June 30, 1989. The study is a cooperative effort between the University of Minnesota-Duluth, U.S. EPA's Environmental Research Laboratory-Duluth, the University of Minnesota-Twin Cities Campus, and the MPCA.

B. Dioxin and Furan Contamination in Minnesota

Analytical results from the U.S. EPA National Dioxin Study indicated contamination of fish tissue from the Rainy River, and prompted a MDH consumption advisory for the river in November 1985. Since that time, several follow-up studies have been initiated to characterize dioxin levels in fish tissue and to determine sources. A joint U.S. EPA/Paper Industry Cooperative Dioxin Screening Study was conducted in 1986 and included samples taken at the Boise Cascade Corporation papermill in International Falls, Minnesota. The study found significant levels of dioxins and furans in the final effluent, final sludge and intermediate wastewater streams. Dioxins and furans were not found in the parent materials (wood chips) or in the process chemicals, indicating that dioxins and furans are produced within the plant. The highest levels were found in wastewaters from the bleaching process, suggesting that chlorine use may cause dioxin formation.

Controls on dioxin discharges to surface waters are being developed. The U.S. EPA is drafting a NPDES permitting strategy for pulp mill dioxin discharges. The MPCA and Boise Cascade Corporation are discussing: (1) future dioxin and furan monitoring in air, fish, sludge, effluent and landfill leachate; (2) development of a water quality standard and effluent limitation; and (3) short and long-term dioxin and furan reduction strategies.

C. Abandoned Wells

Abandoned wells are a concern throughout the state. Improperly abandoned, sealed, cased, or capped wells provide a route for polluted runoff to reach ground water. The issue of improperly abandoned wells is being raised at the local level by counties involved in developing local water management plans. The MDH is currently discussing the establishment of a pilot program to deal with abandoned wells and the possibility of state legislation to regulate further abandonments.

D. Lake Issues in Minnesota

1. Citizen Complaints

Tabulation of 378 citizen complaints revealed that over 95 percent related to lake eutrophication. The majority of citizens identified algal blooms as the most common eutrophication symptom. Since Minnesota is one of the states with the largest lake resource in the country, this would suggest that eutrophication is a significant issue. Minnesota's lakes are an important factor in the economic well-being of the state, and they should be adequately protected for current and future uses. Therefore, it is important that protective goals/criteria, and if need be, standards, are developed and supported by state and federal agencies. This is especially true for the protection of the municipal water supply and cold-water-fishery lakes.

2. Blue-Green Algal Toxicity

There is a need for additional research to define the significance of secondary chemicals produced by the blue-green algae. Several researchers have already defined various secondary chemicals responsible for acute and chronic toxicity to humans and animals. Further efforts are needed to define the nature of the peptide and alkaloid toxins, as well as the nature of the contact toxins produced by cyanobacteria.

X. RECOMMENDATIONS

Through the efforts of the MPCA and the EPA, the water quality goals of the Clean Water Act are being realized. Elimination and control of point source dischargers have resulted in vast improvements in surface water quality; but as always, problems remain. The focus of MPCA water quality management programs now is nonpoint source pollution. As land-use activities increase, the level of NPS pollution also increases. NPS pollution contributes to the accelerated eutrophication of lakes, fish kills and contamination of drinking water, as well as numerous other water quality problems that Minnesota is experiencing.

In addition to NPS pollution, the MPCA is focusing on toxic contamination as a potentially serious threat to water quality. Since little is known of the overall effects of elevated levels of toxics in the environment, it is imperative to continue toxic-monitoring programs and bioassay studies.

These are only a few examples of concerns that must be dealt with in order to achieve the goal of fishable and swimmable waters for Minnesota. Once this goal is met, the water quality must be maintained through a continued commitment of resources to offset the stress of increased population and land development.

In order to continue to abate and control pollution, the Water Quality Division proposes the following recommendations:

1. The funding for the Clean Lakes Program be reinstated, so that:

    a. lake water quality improvement projects can continue,
    b. the Lake Water Quality Assessment report can be developed,
    c. existing programs receive support.

2. The funding for the Nonpoint Source Program (Section 319) be provided, the Clean Water Partnership program be increased, and other nonpoint source programs be expanded and coordinated so that:

    a. federal leadership and assistance is provided to the NPS programs,
    b. federal 319 funds are available to replace 205j funds lost through phase out of the Construction Grant Program,
    c. NPS pollution problems in Minnesota surface and ground water can be addressed with consistent and stable funding.
    d. existing NPS programs are more focused and complement each other.

3. The toxics-monitoring program receive increased support, so that:

    a. ambient toxics-monitoring programs can be expanded to include new generation pesticides, as well as heavy metals and organics,
    b. expanded monitoring for toxic substances in sediment, fish tissue and wildlife species can be implemented.

4. The EPA continue to support the development of existing and new data bases, so that:

   a. data base user assistance continues at the present high levels,
   b. new data base development can continue.

5. Support and technical assistance provided by EPA Corvallis Environmental Research Laboratory in development and verification of ecoregions continues.

6. Minnesota's Clean Water Strategy be developed in order to:

   a. identify problems associated with water resources,
   b. prioritize water quality problems,
   c. allocate funding for remedial action programs,
   d. identify areas where additional monitoring should be done.

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