



# 2009 Report on the Transparency of Minnesota Lakes

Citizen Lake Monitoring Program

June 2010



Minnesota Pollution Control Agency

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Volunteer lake monitors are one of Minnesota's most important lake water quality tracking systems. The Minnesota Pollution Control Agency thanks the Citizen Lake Monitoring Program volunteers for their efforts in collecting water quality data. Their efforts toward protecting the surface waters of Minnesota are greatly appreciated.

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## Cover Photo

Wolf Lake, St. Louis County  
Photo by Jesse Anderson

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*The MPCA is reducing printing and mailing costs by using the Internet to distribute reports and information to a wider audience. For additional information, see the Web site: <http://www.pca.state.mn.us/clmp>*

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# Introduction

The Citizen Lake Monitoring Program (CLMP) began in 1973 at the University of Minnesota, and was developed by Dr. Joe Shapiro. During that first year, volunteers monitored 74 lakes. Administration of the CLMP was transferred to the Minnesota Pollution Control Agency (MPCA) in 1978. This program continues to be a cost-effective mechanism for obtaining good, basic water quality data on many of Minnesota's lakes.

Information about lake water quality is vital for assessing a lake's physical condition and recreational suitability. Minnesota has more than 12,000 lakes and a limited number of state staff to monitor them. The participation of citizen volunteer monitors in the CLMP effectively increases the monitoring capabilities of the state. Volunteers provide the state and others with valuable information on the water quality of Minnesota's lakes.

The CLMP involves the voluntary participation of citizens residing on or near lakes or those who are frequent lake users. These participants are asked to take weekly transparency measurements on their lake during the summer using a Secchi disk. At least eight to ten readings per season are needed to adequately define each summer's water quality. Through this process, the volunteers can learn about the water quality of lakes in their area and gain a greater awareness of the causes and effects of lake degradation.

Data from the CLMP are entered into the U.S. Environmental Protection Agency's water quality database (called STORET) along with all other water quality data collected by the MPCA. For many lakes, CLMP data is the *only* water quality information available. These data are used to analyze water quality trends, characterize trophic status (biological productivity), provide ground-truthing for remote satellite water quality imagery and provide a basis for water quality goal setting.

This report summarizes the data collected by CLMP volunteers during the past year. The first section presents a statewide summary of CLMP data. The second section contains data summaries for each individual site monitored. It is important to note that only data collected for the Citizen Lake Monitoring Program was used to calculate the values found in this section.

## Section 1. Statewide CLMP Data Summary

CLMP volunteers monitor Secchi disk transparency on lakes across Minnesota throughout the open water season. The following tables and figures summarize participation for the past year and data collected during the summer months, June through September.

Table 1 shows the total number of volunteers, lakes and sites for the past monitoring season. The number of CLMP volunteers in each county can be seen in Figure 1.

Tables 2 and 3 show the lakes with the ten highest and ten lowest summer-mean Secchi transparency values. “Summer-mean” is a term that will be used throughout this report. It refers to the average of all Secchi transparency readings taken on a lake from June through September.

**Table 1: Annual Program Totals**

Volunteers	Lakes	Sites
1263	1237	2026

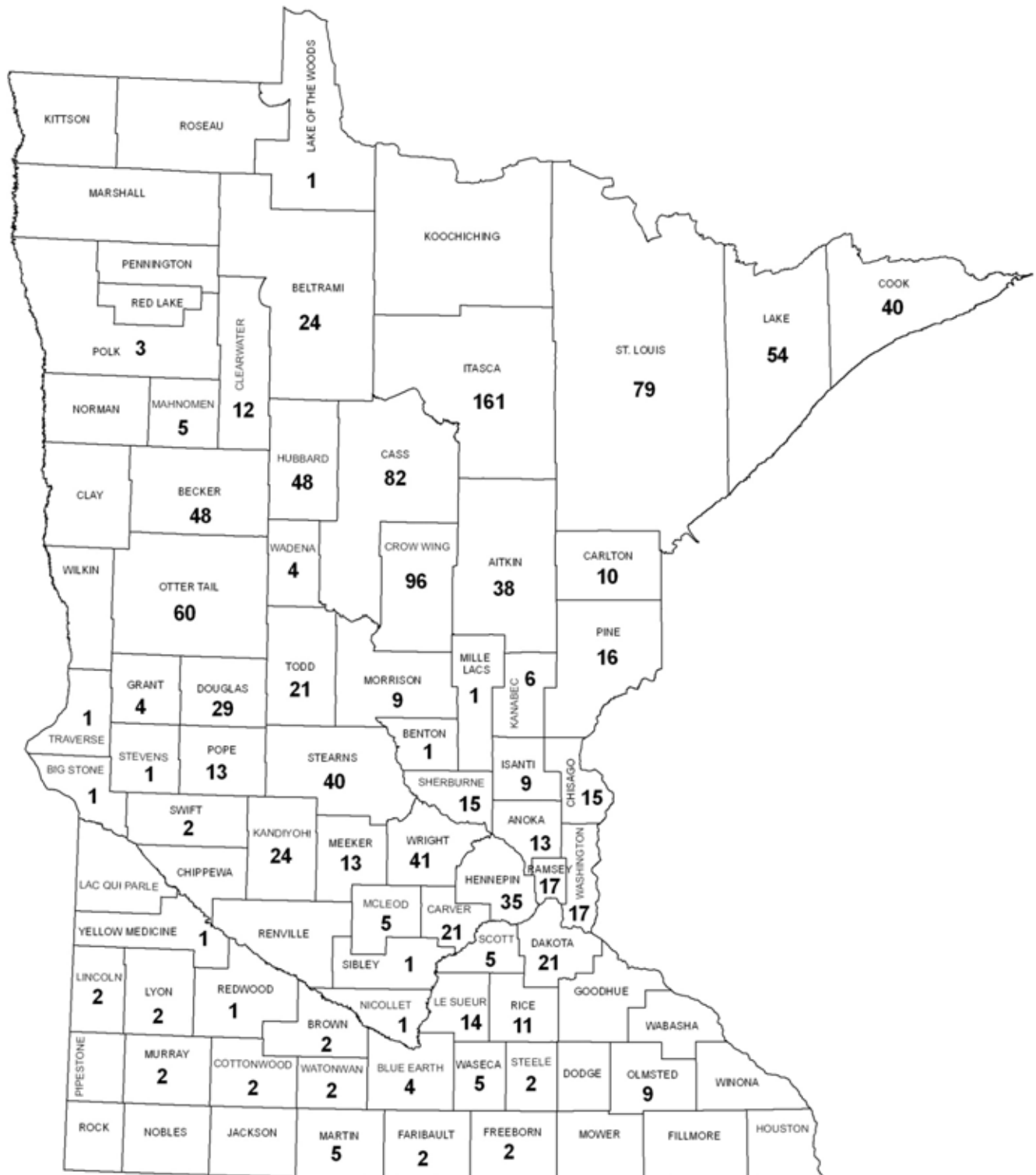
**Table 2: Highest Ten Summer-Mean Transparencies**

Rank	Lake ID	Lake Name	County	Average Secchi (ft)
1	69-0429	Sabin (Embarrass Mine)	ST LOUIS	51.7
2	31-0620	Caribou	ITASCA	35.7
3	16-0139	Clearwater	COOK	30.9
4	18-0211	Blue	CROW WING	28.1
5	11-0170	Hunter	CASS	27.6
6	38-0398	Missionary	LAKE	27.0
7	56-0369	Six	OTTER TAIL	26.9
8	56-0328	Little McDonald	OTTER TAIL	26.0
9	29-0185	Big Sand	HUBBARD	25.9
10	18-0212	Ruth	CROW WING	24.8

**Table 3: Lowest Ten Summer-Mean Transparencies**

Rank	Lake ID	Lake Name	County	Average Secchi (ft)
1	19-0004	Isabelle	DAKOTA	0.3
2	73-0057	Rausch	STEARNS	0.5
3	24-0030	State Line	FREEBORN	0.5
4	40-0092-03	Swede's Bay	LE SUEUR	0.5
5	24-0028	Bear	FREEBORN	0.6
6	43-0034	Silver	MCLEOD	0.8
7	10-0014	Hazeltine	CARVER	0.8
8	62-0022	Unnamed	RAMSEY	0.8
9	47-0177	Long	MEEKER	0.8
10	62-0034	Goose	RAMSEY	0.8


Figure 1. Number of CLMP Lakes Monitored by County



## Summer-Mean Transparency Values

The next three figures compare CLMP summer-mean transparency values across the state using five categories. These categories range from “poor” to “excellent” and are roughly based on Carlson’s Trophic State Index<sup>1</sup> (also see <http://dipin.kent.edu/tsi.htm>). The term “trophic state” refers to the level of biological productivity in a lake as measured by phosphorous content, algae abundance, and Secchi transparency (Table 4). In Minnesota, summer-mean Secchi transparency provides a good indication of trophic status and can be used to estimate likely ranges of total phosphorus and chlorophyll.

**Table 4: Trophic State Definitions**

Trophic State	Definition	Secchi Transparency
Oligotrophic	Very low in nutrients. The least biologically productive lakes, supporting very few plants and fish.	
Mesotrophic	Moderate nutrients, moderately productive lakes.	
Eutrophic	Nutrient rich. Highly productive, supporting large plant and fish communities.	
Hypereutrophic	Very high in nutrients. The most biologically productive lakes, supporting large amounts of plants, fish and other animals.	

In the five transparency categories used in Figures 2, 3 and 4, the “Poor” category represents the most nutrient rich lakes (corresponding to hypereutrophic), and the “Excellent” category represents the least nutrient rich lakes (corresponding to mesotrophic or oligotrophic).

Figure 2 shows the percentage of summer-mean transparency values that fall into each transparency category. Figure 3 shows the summer-mean transparency values at each lake monitored by CLMP. Figure 4 shows the percentage of summer-mean transparency values by Ecoregion. You’ll notice that there is a general trend of increasing average transparency from southwestern to northeastern Minnesota. Lakes in southwest Minnesota tend to be large, shallow basins susceptible to high wind mixing. Transparency is limited in these lakes by increased sediment and nutrient rich conditions, which promote the growth of algae. As you move northeast, the basins typically become smaller, deeper, and more gravel or bedrock lined. In the northeast, the basins are naturally nutrient poor, exhibiting little algae and high transparency.

**Figure 2: Percentage of CLMP Lakes per Summer-Mean Transparency Category**

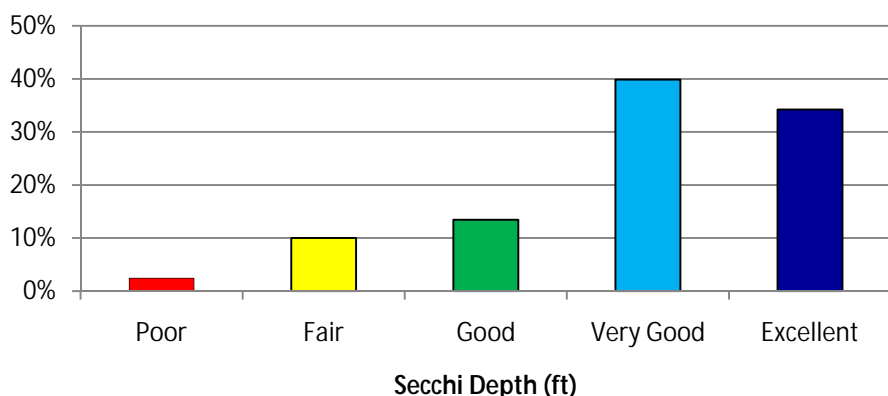


Figure 3. CLMP Lakes Summer-Mean Transparency Map

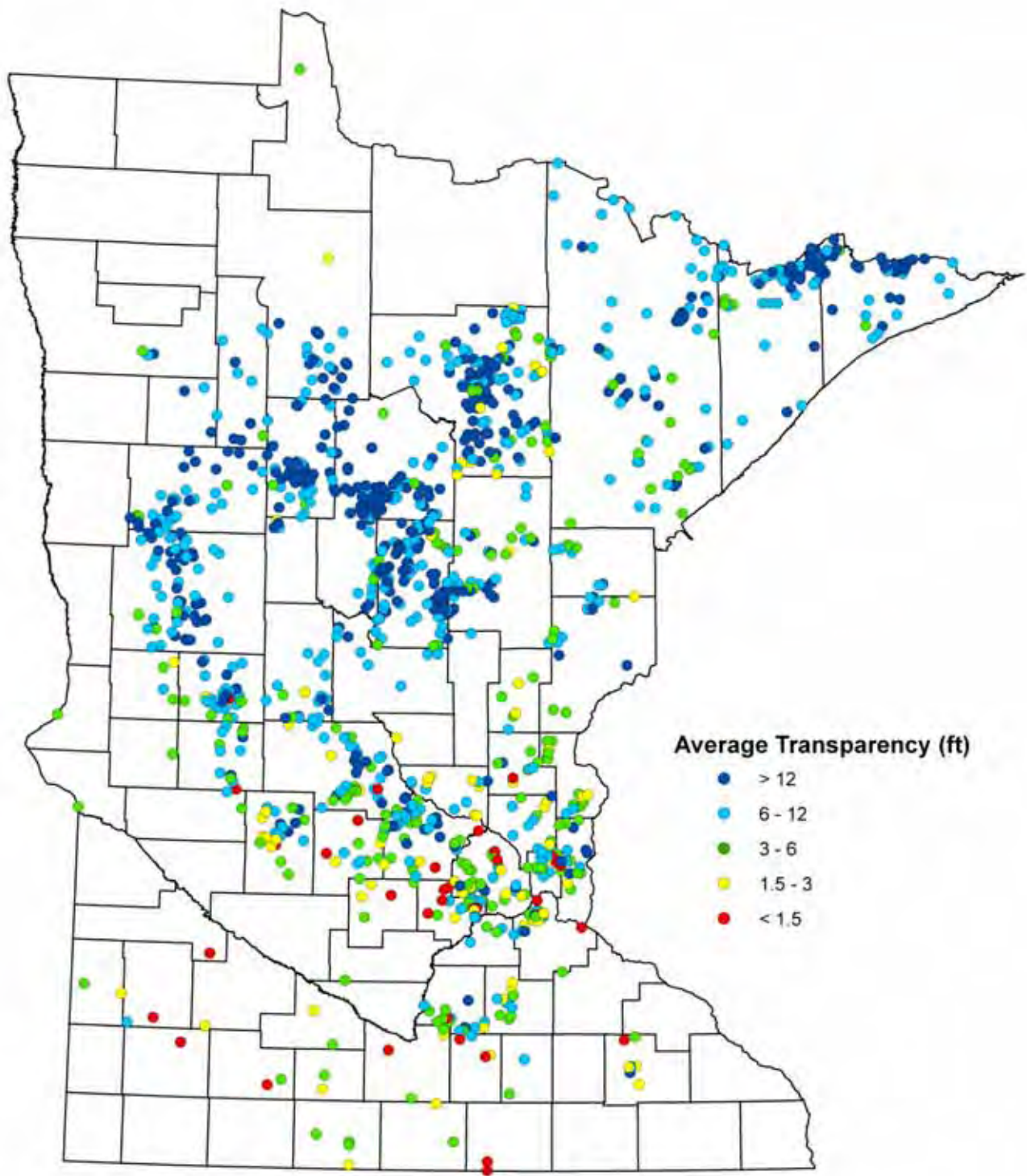
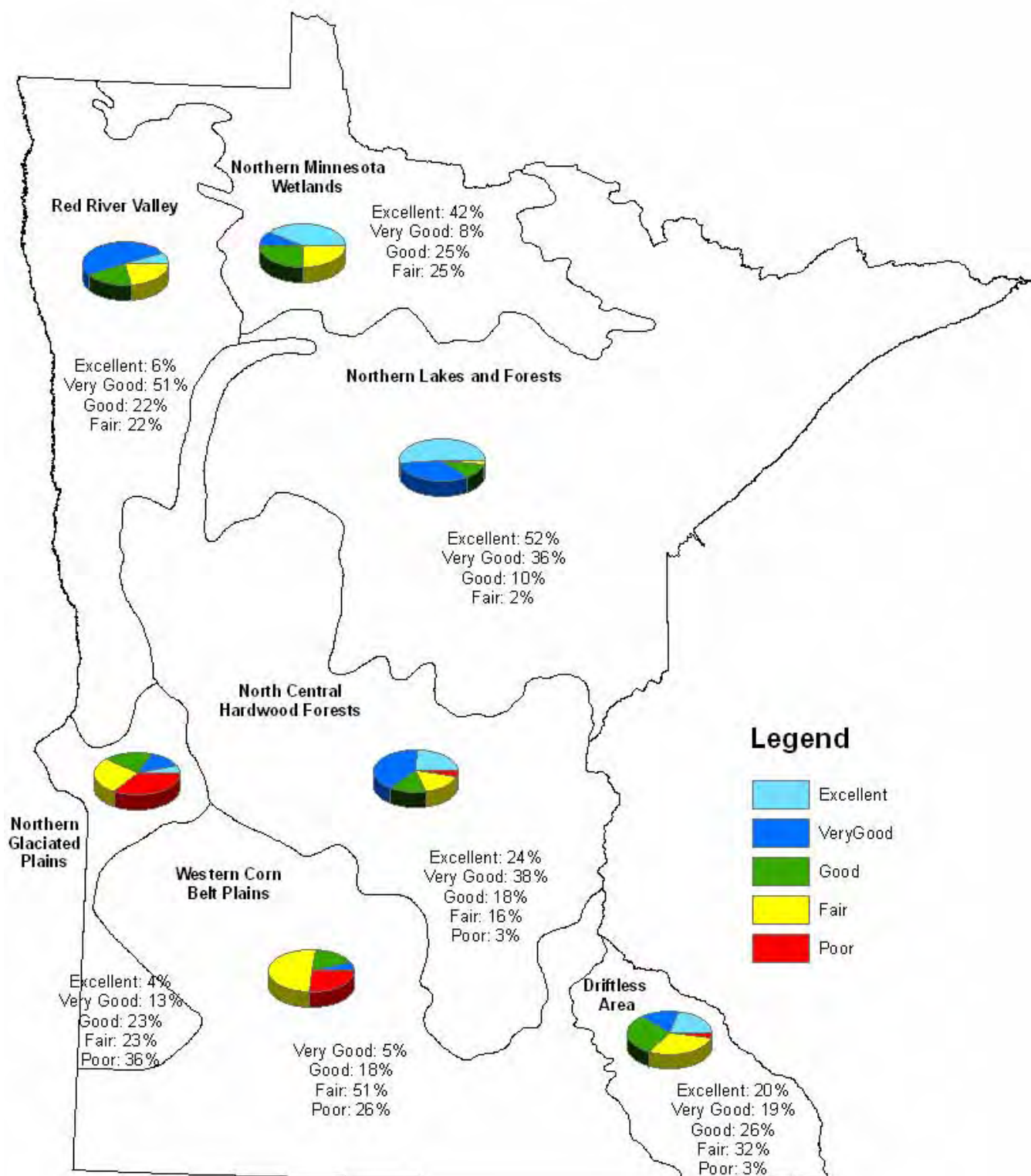




Figure 4. Summer-Mean Transparency by Ecoregion

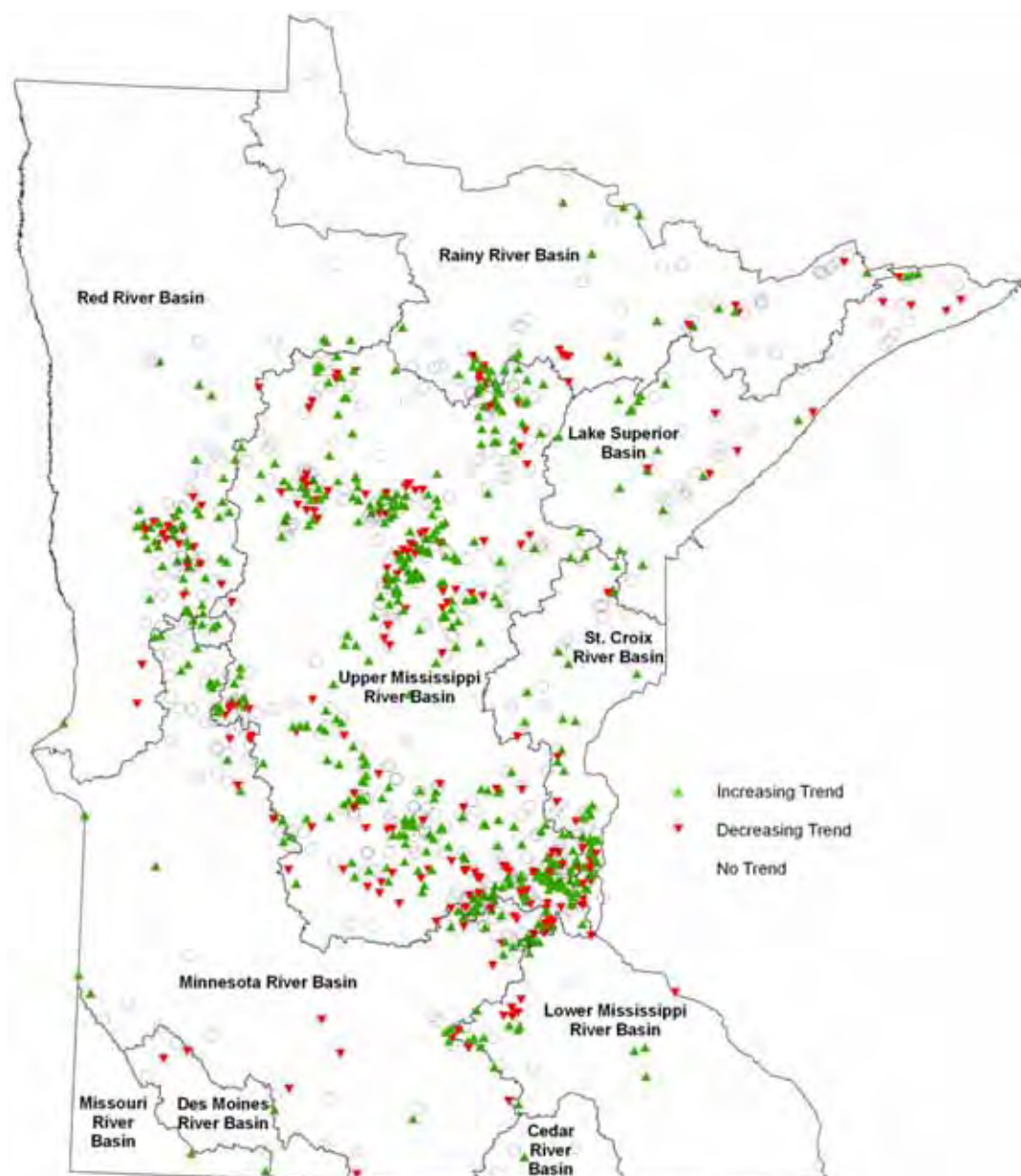


## How CLMP Data are Used

Secchi transparency data collected by the CLMP is an integral part of the Minnesota Pollution Control Agency's water monitoring strategy. In order to determine whether lakes meet the state standards for aquatic recreation, a lake must have a record of phosphorus, chlorophyll and Secchi disk data. In many cases, the vast majority of the Secchi disk data used in assessments were collected by CLMP volunteers.

CLMP Secchi disk data is also used to detect trends in lake transparency. Figure 5 shows the results of the most recent trend analysis. A detailed report that lists trend results for all lakes with sufficient data for analysis is available online: <http://www.pca.state.mn.us/water/clmpfactsheets.html>.

Figure 5: Minnesota Lake Transparency Trends



## Section 2. CLMP Individual Site Summaries

This section contains a summary of Secchi transparency data for each individual CLMP site for collection dates from June through September. Lake data are organized by County alphabetically by lake name.

### AITKIN County

LAKES COUNTY			Summer				
Lake ID	Lake Name	Site	NS	Mean	Min	Max	Volunteer
01-0157	Big Pine	204	14	13.0	11.0	15.0	Osier, Dave & Christine
01-0157	Big Pine	206	14	12.9	11.0	15.0	Osier, Dave & Christine
01-0062	Big Sandy	203	8	4.6	3.5	5.5	Carlson, James
01-0062	Big Sandy	208	5	4.5	4.5	4.5	Knoble, Carmen
01-0062	Big Sandy	209	5	4.5	4.5	4.5	Knoble, Carmen
01-0062	Big Sandy	212	8	4.6	4.0	5.5	Carlson, James
01-0062	Big Sandy	213	8	4.2	4.0	4.5	Carlson, James
01-0062	Big Sandy	217	10	4.4	4.0	5.0	Krezowski, Mark
01-0062	Big Sandy	218	10	4.7	4.5	5.0	Krezowski, Mark
01-0062	Big Sandy	219	10	3.4	3.0	4.0	Krezowski, Mark
01-0045	Blackface	201	5	7.3	5.5	8.5	Tennison, Dennis & Joanne
01-0188	Blind	202	6	5.8	5.0	8.0	Pullis, Kevin & Gail
01-0209-01	CEDAR (MAIN BASIN)	203	4	11.0	10.0	11.5	Menth, Linda
01-0209-01	CEDAR (MAIN BASIN)	204	4	10.7	9.0	13.0	Menth, Linda
01-0209-01	CEDAR (MAIN BASIN)	205	4	11.8	10.5	13.0	Martin, Les
01-0209-01	CEDAR (MAIN BASIN)	207	9	11.1	10.0	12.0	Nelson, Ron
01-0209-01	CEDAR (MAIN BASIN)	208	12	10.2	8.0	12.0	Hauge, Paul
01-0209-02	CEDAR (NE ARM)	201	2	6.5	6.5	6.5	Rzeszutek, Phil
01-0209-03	CEDAR (WEST BAY)	201	16	8.3	8.0	10.0	Dragovich, Dale
01-0209-03	CEDAR (WEST BAY)	201	11	7.1	6.5	8.0	Mayne, Jim
01-0093	Clear	201	8	17.1	14.0	23.0	Messer, Ryan & Gary
01-0096	Dam	201	12	11.9	8.5	15.5	LaClair, John
01-0071-01	Davis (Main Bay)	201	4	2.3	2.3	2.5	Langsdorf, William
01-0071-01	Davis (Main Bay)	3901	1	2.6	2.6	2.6	Langsdorf, William
01-0123	Elm Island	201	7	4.0	2.5	6.5	Gerber, Rick
01-0123	Elm Island	202	5	3.8	3.0	4.5	Sanders, Dave
01-0147	Esquagamah	204	8	6.8	4.0	11.0	Miller, Kathryn & John
01-0159	Farm Island	204	10	12.0	6.0	18.5	Nardini, Gene
01-0159	Farm Island	205	7	9.6	3.5	14.5	Hoppe, Russ
01-0105	Fleming	201	7	3.8	2.5	6.5	Dahlberg, Terry

#### Legend:

LAKE ID: Lake Identification Number: [XX]-[YYYY]-[ZZ] X-County Number, Y-Lake Number, Z-Bay Number  
 LAKE NAME: Name of Lake NS: Number of Readings MIN: Minimum Secchi Reading (ft)  
 SITE: Monitoring Location on Lake MEAN: Mean Secchi Transparency (ft) MAX: Maximum Secchi Reading (ft)

01-0099	Gun	208	9	7.0	5.5	9.0	Wernli, Don & Barb
01-0161	Hammal	201	4	10.0	7.0	12.5	Ring, Ken & Debra
01-0034	Horseshoe	202	21	3.0	2.3	4.0	Pawlak, Jerome
01-0022	Island	201	5	7.4	6.6	8.9	Miller, Mark & Cindy
01-0022	Island	201	5	7.4	6.6	8.9	Stecker, Dianne Knobon & Neil
01-0176	Little Pine	201	7	20.1	16.0	29.0	Kalb, James
01-0125	Lone	202	18	21.8	15.0	29.5	Baker, Jerry
01-0089	Long	201	7	12.4	10.5	13.5	Glimsdal, Don & Janice
01-0089	Long	203	11	12.1	11.0	13.0	Newmann, Gary
01-0089	Long	205	4	14.4	12.0	16.0	Brotherton, Sid
01-0033	Minnewawa	201	7	7.2	5.5	9.5	Meredyk, Greg
01-0033	Minnewawa	202	7	7.4	5.5	9.0	Meredyk, Greg
01-0117	Nord	201	12	10.6	9.0	13.0	Prickett, Gordon
01-0001	Pine	205	17	10.4	7.5	12.5	Lauer, James
01-0091	Rabbit	204	11	13.3	11.0	15.0	Mattson, Deanna & Calvin
01-0091	Rabbit	205	11	14.0	11.0	16.5	Mattson, Deanna & Calvin
01-0091	Rabbit	206	11	12.9	10.5	16.0	Mattson, Deanna & Calvin
01-0077	Rat	201	3	4.7	4.5	5.2	Holten, Carole
01-0146	Ripple	201	4	5.0	4.5	6.0	Green, Evan
01-0146	Ripple	202	4	5.0	4.0	6.0	Green, Evan
01-0146	Ripple	203	7	4.5	3.0	5.0	Spiel, Ed
01-0072	Rock	101	3	3.0	3.0	3.0	Lydell, Terry
01-0072	Rock	201	3	3.5	3.5	3.5	Lydell, Terry
01-0137	Round	201	8	17.3	13.0	30.0	Christianson, Jim
01-0023	Round	201	13	15.5	12.0	19.5	Williams, Joyce
01-0137	Round	202	9	14.6	13.0	16.0	Warner, Tom & Sue
01-0204	Round	204	13	12.0	11.0	13.5	Williams, Robert
01-0120	Section Twelve	201	2	10.8	10.0	11.5	Klinepier, Gary
01-0120	Section Twelve	202	6	9.3	8.5	10.5	Honl, Neil
01-0178	Spirit	201	4	14.0	12.5	15.0	Hakes, Ken
01-0178	Spirit	202	4	12.5	11.0	13.5	Hakes, Ken
01-0071-02	Steamboat	101	1	2.3	2.3	2.3	Langsdorf, William
01-0087	Sugar	202	4	14.1	14.0	14.2	Egberg, Chuck
01-0207	Townline	201	3	13.7	13.0	14.0	Kemske, Jon & Ann
01-0058	Vanduse	201	11	9.2	2.5	10.5	Lund, Michael
01-0136	Waukenabo	101	8	4.1	2.5	7.0	Lebens, Kenneth
01-0102	Wilkins	201	5	15.2	14.5	16.0	Reese, Richard

**Legend:**

LAKE ID: Lake Identification Number: |XX|-|YYYY|-|ZZ| X-County Number, Y-Lake Number, Z-Bay Number  
 LAKE NAME: Name of Lake NS: Number of Readings MIN: Minimum Secchi Reading (ft)  
 SITE: Monitoring Location on Lake MEAN: Mean Secchi Transparency (ft) MAX: Maximum Secchi Reading (ft)

## ANOKA County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
02-0006	Centerville	202	3	2.0	2.0	2.0	Mottl, Greg
02-0042	Coon	201	6	5.5	3.7	8.5	Harvey, John
02-0042	Coon	203	7	3.1	2.0	4.0	Johnson, Goldie
02-0042	Coon	204	7	3.2	2.0	4.5	Mercil, Arlan
02-0042	Coon	205	20	6.9	4.0	9.5	Tierney, Douglas
02-0042	Coon	207	6	3.9	2.8	5.0	Rasmussen, Dave
02-0042	Coon	208	7	3.1	2.0	4.0	Johnson, Goldie
02-0084	Crooked	205	1	8.0	8.0	8.0	McCann, James
02-0035	Fawn	201	6	12.0	8.0	14.0	Arboe, Jim
02-0091	George	204	12	7.6	6.5	10.0	Conger, David
02-0091	George	209	4	7.6	7.0	8.5	Ridge, William
02-0045	Golden	202	9	6.0	3.5	8.5	Peterson, Eric
02-0053	Ham	201	11	8.3	6.5	10.0	Arndt & Rick & Marni Olson, Roger & Jane
02-0053	Ham	201	11	8.3	6.5	10.0	Olson, Roger
02-0026	Linwood	202	4	3.0	2.5	3.5	Lockrem, Tim
02-0026	Linwood	204	16	2.5	1.5	3.5	Cardwell, Vernon
02-0034	Martin	202	18	2.8	2.0	4.0	Docken, Tom & Nancy
02-0003	Otter	203	3	9.8	8.5	11.0	Berg, Jim
02-0003	Otter	203	3	10.5	10.0	11.0	Mottl, Greg
02-0004	Peltier	203	8	5.6	2.5	14.0	LeBlanc, Wayne
02-0102	Sand Shore	201	1	5.5	5.5	5.5	Smith, James
02-0048	South Coon	201	17	10.6	9.0	16.0	Harrington, Krista

## BECKER County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
03-0085	Bad Medicine	201	12	23.3	18.0	35.0	Stadem, Dr. Paul
03-0085	Bad Medicine	207	16	24.5	14.0	36.0	Strohmeier, Ed
03-0085	Bad Medicine	210	9	24.7	13.0	38.0	Vlasak, Ray
03-0085	Bad Medicine	211	16	24.5	14.0	36.0	Strohmeier, Ed
03-0304	Big Sugar Bush	202	5	18.9	17.0	20.0	Drenkow, Fred
03-0304	Big Sugar Bush	204	5	17.6	15.0	20.0	Drenkow, Fred
03-0304	Big Sugar Bush	208	5	18.0	16.0	22.0	Drenkow, Fred
03-0030	Boot	203	6	25.1	17.0	30.0	Stecker, Roger
03-0030	Boot	204	3	20.7	20.0	22.0	Luckerth, Fred
03-0286	Cotton	202	3	11.0	7.5	14.0	Carlson, Kent

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03-0286	Cotton	203	10	10.2	7.0	14.2	Peterka, John
03-0363	Curfman	202	3	10.0	9.0	11.0	Hecock, Richard (Dick)
03-0381	Detroit	205	7	9.9	6.5	16.5	Collins, Bob
03-0381	Detroit	205	16	11.6	7.0	22.0	Hecock, Richard (Dick)
03-0381	Detroit	207	17	12.7	10.0	16.0	Hecock, Richard (Dick)
03-0503	Eunice	201	4	12.3	9.5	15.0	Magnuson, Ken
03-0242	Flat	201	1	9.0	9.0	9.0	National Wildlife Refuge, Tamarac
03-0387-02	Floyd (south bay)	206	11	14.5	11.0	24.0	Geihl, Mark
03-0387-02	Floyd (south bay)	208	8	14.0	9.5	21.5	Froiland, Les
03-0358	Fox	201	8	16.9	15.0	20.0	Portilla, Sue
03-0195	Height of Land	203	1	7.0	7.0	7.0	Cirksena Sr., Randy
03-0582	Ida	201	4	16.1	13.5	21.0	Askelson, Curtis
03-0153	Island	202	14	10.7	6.0	19.0	Aschbacher, Peter
03-0199	Johnson	201	1	7.5	7.5	7.5	National Wildlife Refuge, Tamarac
03-0136	Juggler	201	5	21.6	15.5	25.0	Scott, Sue
03-0136	Juggler	202	1	18.0	18.0	18.0	Rofidal, Chris
03-0136	Juggler	203	15	25.1	18.0	34.0	Zweerink, Jim
03-0506	Little Cormorant	202	11	6.4	5.0	8.5	Kaldor, Keith
03-0506	Little Cormorant	203	11	6.4	5.0	8.5	Kaldor, Keith
03-0506	Little Cormorant	204	11	6.4	4.5	8.5	Kaldor, Keith
03-0506	Little Cormorant	205	11	6.3	4.5	8.5	Kaldor, Keith
03-0506	Little Cormorant	206	11	6.5	5.0	8.5	Kaldor, Keith
03-0386	Little Floyd	201	10	7.2	4.0	14.0	Hilde, Arnold & Helene
03-0189	Little Toad	201	13	11.1	7.0	18.0	Kercher, Edsel Jay
03-0383	Long	201	4	11.4	9.5	13.0	Berg, Dan & Sheri
03-0383	Long	202	12	13.0	10.0	18.0	Fihn, Shirley
03-0235	Mallard	201	1	5.0	5.0	5.0	National Wildlife Refuge, Tamarac
03-0500	Maud	204	11	13.2	11.5	18.0	Sherlin, Julie Scothorn & Bill
03-0475	Melissa	204	15	10.3	7.0	15.5	Jensen, Clayton
03-0602	Middle Cormorant	201	8	15.2	12.0	20.5	Olson, Gene
03-0602	Middle Cormorant	202	5	15.4	12.0	18.5	Olson, Gene
03-0387-01	Mud	207	8	10.8	4.0	17.0	Geihl, Mark
03-0595	Nelson	201	11	8.6	6.5	11.5	Olson, Duane
03-0486	Pearl	201	17	8.2	4.5	28.0	Kalberer, James
03-0287	Pickereel	202	17	20.7	14.5	27.0	Hecock, Richard (Dick)
03-0293	Rock	202	5	6.7	5.0	7.5	Blanding, Donald
03-0587	Rossman	201	14	5.6	4.0	7.5	Leek, Mel

**Legend:**

LAKE ID: Lake Identification Number: [XX]-[YYYY]-[ZZ] X-County Number, Y-Lake Number, Z-Bay Number  
LAKE NAME: Name of Lake NS: Number of Readings MIN: Minimum Secchi Reading (ft)  
SITE: Monitoring Location on Lake MEAN: Mean Secchi Transparency (ft) MAX: Maximum Secchi Reading (ft)

03-0587	Rossman	201	4	6.4	5.5	8.5	Olson, Jim
03-0155	Round	202	13	13.4	9.0	19.0	Bergquist, Ruth
03-0359	Sallie	201	11	7.7	3.0	15.0	McLaughlin, John
03-0102	Shell	201	1	5.5	5.5	5.5	Cirksena Sr., Randy
03-0010	Straight	201	7	11.9	6.0	22.0	Winter, LeRoy
03-0010	Straight	202	7	11.7	5.0	19.5	Winter, LeRoy
03-0010	Straight	203	7	11.8	5.5	19.5	Winter, LeRoy
03-0323	Strawberry	201	9	17.8	12.0	22.0	Maher Jr., George
03-0107	Toad	203	18	10.9	5.0	24.5	Monteith, Gene
03-0107	Toad	204	18	10.9	5.0	24.5	Monteith, Gene
03-0657	Turtle	202	15	22.4	18.0	25.0	Link, Robert
03-0657	Turtle	203	15	21.9	17.0	25.0	Link, Robert
03-0017	Two Inlets	202	8	7.6	5.0	11.5	Guptill, Alan & Virginia
03-0017	Two Inlets	202	13	8.3	5.0	11.5	Higgins, Thomas
03-0596	Unnamed (Larsen)	201	11	5.6	1.5	15.5	Olson, Duane
03-0588	Upper Cormorant	201	4	8.0	4.5	15.5	Hedlund, Steve
03-0588	Upper Cormorant	202	12	8.8	4.5	13.5	Foldesi, John
03-0588	Upper Cormorant	203	13	7.4	4.8	13.0	Friedrich, Jan
03-0328	White Earth	203	15	19.3	13.5	26.5	Christensen, Ronald
03-0328	White Earth	209	15	17.0	10.5	23.5	Christensen, Ronald

## BELTRAMI County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
04-0038	Andrusia	202	11	9.6	5.0	16.0	Panther, Robert
04-0329	Balm	201	10	13.4	10.0	17.0	Frame, Nathan
04-0135	Beltrami	202	12	11.8	10.5	12.5	Maxson, George-Ann
04-0130-02	Bemidji (main lake)	201	15	10.5	4.5	21.0	Roholt, Ina
04-0049	Big	203	8	15.5	11.5	20.0	Ockenga, Earl
04-0069	Blackduck	203	5	8.2	6.0	12.0	Gilmore, Tom
04-0069	Blackduck	204	9	9.2	5.0	17.0	Bechtold, Steve
04-0141	Carr	202	7	10.9	8.0	13.0	Holmstrom, John
04-0141	Carr	202	9	9.1	7.0	11.0	Mann, Charlie
04-0030	Cass	210	18	10.3	7.5	13.0	Murray, John
04-0030	Cass	211	11	13.4	11.5	15.0	Burton, Robert
04-0030	Cass	212	11	13.7	11.5	16.0	Burton, Robert
04-0343	Clearwater	204	9	9.6	6.5	11.5	Widerski, Robert
04-0167	Dark	201	5	17.4	16.5	19.0	Coe, Leland
04-0162	Fox	201	11	14.5	13.5	15.5	Ducharme, Judy

### Legend:

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04-0120	Gull	202	4	10.3	9.5	10.5	Houseman, Don
04-0166	Julia	201	3	9.2	3.5	17.0	Purcell, Pat & Bob
04-0110	Little Bass	201	16	18.3	15.0	24.0	DeWenter, James
04-0155	Little Turtle	201	17	6.1	4.0	10.5	Davenport, Brad
04-0076	Long	201	16	19.4	17.0	23.0	Beck, William
04-0152	Movil	203	12	14.1	12.0	15.5	Kieffer, Randy
04-0063	North Twin	201	7	21.8	17.0	35.0	Champlin, Charles
04-0035-01	RED (UPPER RED)	201	2	3.0	3.0	3.0	Paakh, Bruce
04-0053	South Twin	201	6	19.1	15.0	22.0	Champlin, Charles
04-0085	Swenson	201	3	24.0	22.5	26.5	Andersen, Dick
04-0159	Turtle	204	15	10.8	8.5	14.5	Lynne, Vic & Betty
04-0111	Turtle River	202	8	8.6	7.0	10.5	Wickstrom, Evert
04-0137	White Fish	202	1	13.0	13.0	13.0	Amland, Charlotte

## BENTON County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
05-0012	Unnamed	202	12	1.6	1.0	2.5	Larson, Wayne

## BIG STONE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
06-0152	Big Stone	217	7	4.9	3.5	9.0	Jordahl, Jan

## BLUE EARTH County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
07-0098	Crystal	202	5	2.0	0.5	4.0	Hobart, Bob
07-0098	Crystal	203	11	0.3	0.0	0.5	Youngblom, Karl
07-0053	Duck	203	8	3.1	2.5	4.0	Dahl, Donald
07-0079	Lura	201	6	4.9	0.5	8.0	Kunard, Marlin
07-0079	Lura	202	4	3.3	0.8	6.0	Kunard, Marlin
07-0044	Madison	202	2	2.2	2.0	2.5	Allen, Kevin & Jared

## BROWN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
08-0026	Hanska	201	2	4.0	3.0	5.0	Brekke, Loren
08-0026	Hanska	207	8	5.4	4.0	8.0	Helling, Gerald
08-0045	Sleepy Eye	202	12	2.7	1.5	6.0	Schotzko, Edward

## CARLTON County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
09-0068	Cole	201	6	10.5	8.5	11.5	Swanson, Kim

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09-0057	Eagle	202	15	7.4	4.5	12.0	Fischer, Gary
09-0039	Eddy	201	16	6.6	5.5	7.0	Wentkiewicz, Sandy
09-0038	Hanging Horn	204	8	7.8	7.3	8.5	Sandberg, Betty
09-0038	Hanging Horn	205	8	8.3	7.0	9.5	Sandberg, Betty
09-0035	Little Hanging Horn	201	8	13.1	9.5	15.5	Kelly, Dorothy & Robert
09-0035	Little Hanging Horn	202	8	13.9	12.0	15.5	Kelly, Dorothy & Robert
09-0066	Long	201	14	5.6	4.8	6.0	Walli, Sulo
09-0060-02	Lower (South) Island	201	2	5.2	5.0	5.5	Hansen, Laird
09-0067	Tamarack	201	10	6.3	5.0	7.0	Gurske, Ray
09-0063	Woodbury	202	17	5.9	5.5	6.5	Miller, Don

## CARVER County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
10-0012	Ann	201	1	8.8	8.8	8.8	Gahlon, Ryan
10-0225	Brickyard Clayhole	201	9	14.2	8.9	19.0	Environmental Services, Carver County
10-0005	Courthouse	201	9	14.2	10.5	19.0	Environmental Services, Carver County
10-0121	Eagle	201	9	1.5	1.0	2.5	Environmental Services, Carver County
10-0226	Firemen's Clayhole	201	9	11.2	8.0	15.0	Environmental Services, Carver County
10-0089	Goose	203	9	1.2	1.0	1.5	Environmental Services, Carver County
10-0014	Hazeltine	201	9	0.8	0.5	1.5	Environmental Services, Carver County
10-0088	Hydes	201	9	4.8	2.5	8.5	Environmental Services, Carver County
10-0217	Jonathan	201	9	1.0	0.5	1.5	Environmental Services, Carver County
10-0006	Lotus	202	6	5.5	4.0	7.3	Strohmaier, Shelley
10-0007	Lucy	201	3	2.7	2.5	3.0	Carlson, Dale
10-0216	McKnight	201	9	1.0	0.5	1.5	Environmental Services, Carver County
10-0029	Miller	201	9	1.7	0.5	4.0	Environmental Services, Carver County
10-0009	Minnewashta	202	12	8.1	6.5	11.0	Zweig, Rick
10-0009	Minnewashta	204	1	10.0	10.0	10.0	Kohman, Roger
10-0009	Minnewashta	205	4	8.4	8.0	9.5	Coldwell, Bill
10-0094	Mud	201	7	0.9	0.5	2.0	McCann, Kathleen
10-0053	Piersons	201	8	9.3	8.0	11.5	Pierson, John
10-0053	Piersons	202	4	11.0	10.0	12.0	Kellor, Dick
10-0095	Swede	201	10	1.5	1.0	3.0	Lemke, Mark
10-0218	Unnamed (Grace)	201	9	1.9	1.0	4.5	Environmental Services, Carver County
10-0015	Virginia	201	14	4.3	2.0	6.5	Leone, Renay
10-0059	Waconia	201	9	10.8	6.6	19.5	Environmental Services, Carver County
10-0048	Wassermann	201	15	3.3	1.5	11.0	Rud, Stan

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## CASS County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
11-0250	Ada	203	17	14.3	12.0	17.0	Hansen, Jon
11-0250	Ada	205	17	13.7	10.5	17.0	Hansen, Jon
11-0216	Agate	201	12	9.7	9.0	10.5	Hoger, Donald
11-0283	Baby	201	6	17.8	14.0	23.5	Kumpula, Stan
11-0283	Baby	203	6	15.3	13.5	18.0	Kumpula, Stan
11-0281	Barnum	201	18	18.4	15.0	26.0	Newman, Julie
11-0277	Big Deep	201	4	20.0	18.0	24.0	Brown, Sara
11-0277	Big Deep	3901	4	18.5	17.0	21.0	Broberg, Orv
11-0277	Big Deep	3902	4	20.8	19.0	25.0	Broberg, Orv
11-0277	Big Deep	3903	4	20.3	18.0	24.0	Broberg, Orv
11-0412	Birch	201	5	13.0	11.5	14.5	Swanum, Charles
11-0412	Birch	202	5	13.1	11.0	14.5	Swanum, Charles
11-0412	Birch	206	7	12.5	10.0	16.0	Haefner, Ed
11-0274	Blackwater	201	5	15.0	10.0	21.5	Dindorf, Carolyn
11-0274	Blackwater	202	5	16.0	13.0	21.0	Thielmann, Lloyd
11-0376	Blueberry	201	4	6.9	5.0	8.5	Payne, Ray
11-0163	Cooper	201	4	11.6	10.0	13.5	YMCA, Camp Olson
11-0502	Crystal	201	12	18.8	17.0	20.0	Mechelke, Robert
11-0502	Crystal	203	12	11.8	10.0	13.0	Mechelke, Robert
11-0342	Eagle	201	10	13.4	13.0	13.5	Stimler, Carol
11-0351	Five Point	101	5	12.6	5.5	18.5	Damm, Rodney
11-0101	George	101	7	8.0	5.0	10.0	LaTour, Al
11-0174	Girl	203	7	15.9	12.5	21.5	Johnson, Doug & Judy
11-0086	Grave	201	4	19.3	14.0	25.0	Scollard, Walt
11-0305	Gull	205	17	12.0	9.0	14.5	Larson, Mary Kay
11-0305	Gull	206	10	8.3	7.0	10.0	Jaster, Gene
11-0305	Gull	208	7	14.0	11.5	16.5	Schley, Herm
11-0305	Gull	209	10	13.8	11.0	16.5	Streed, Wes
11-0242	Hand	201	8	15.3	12.5	19.0	Smith, Fred
11-0209	Hardy	201	8	11.6	10.0	13.0	Schmutzer, Mark
11-0232	Hattie	202	61	10.0	5.5	16.0	Johnson, Greg
11-0232	Hattie	202	13	8.3	8.0	8.5	Schindele, Jim
11-0358	Horseshoe	202	5	18.5	16.5	22.5	Renstrom, Randall
11-0170	Hunter	203	11	27.6	24.0	35.5	Trampe, David
11-0120-01	INGUADONA (N. BAY)	201	14	9.4	6.5	13.5	Jass, Doug

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11-0120-02	INGUADONA (S. BAY)	202	5	12.2	11.5	14.0	Hessburg, Joe
11-0257	Island	201	10	21.0	18.5	23.5	Aagard, Hans
11-0102	Island	201	3	12.0	11.0	14.0	Dressen, Bill
11-0102	Island	202	3	12.0	11.0	14.0	Dressen, Bill
11-0102	Island	203	3	13.8	11.5	16.0	Dressen, Bill
11-0363	Johnson	201	8	19.5	18.0	21.0	Peterson, Sylvia
11-0268	Kerr	201	12	16.4	11.0	20.0	Naechel, Chuck
11-0262	Kid	201	11	14.6	10.0	18.0	Rueter, Clarence
11-0068	Kidney	201	5	14.3	12.5	16.5	Reid, Mike
11-0009-01	L THUNDER (W BAY)	201	5	15.0	13.0	19.5	Ondich, Thomas
11-0053	Lawrence	201	6	9.4	7.0	11.5	Reiswig, Myrle & Jill
11-0053	Lawrence	202	6	10.8	8.0	13.0	Reiswig, Myrle & Jill
11-0037	Leavitt	201	13	11.5	9.0	15.0	Schramm, W. Melvin
11-0037	Leavitt	202	3	8.6	7.7	10.0	Hoover, Charles
11-0203-03	LEECH (AH-GWAH-CHING BAY)	201	5	12.7	9.5	15.5	Smith, George
11-0203-02	LEECH (KABEKONA BAY)	203	7	15.2	12.0	17.5	Monson, Margot
11-0203-01	LEECH (MAIN BASIN)	204	5	18.0	15.0	20.0	McGovern, Tom & Mary
11-0203-01	LEECH (MAIN BASIN)	209	10	9.3	6.0	17.0	Roehl, Jerry
11-0203-04	LEECH (SHINGOBEE BAY)	203	11	11.1	6.5	15.5	Osberg, Jim
11-0203-04	LEECH (SHINGOBEE BAY)	204	11	14.0	10.0	18.0	Osberg, Jim
11-0236	Little Portage	202	5	16.4	13.0	19.5	Lacho, Jon & Mary
11-0230	Little Sand	201	1	13.0	13.0	13.0	Johnson, Greg
11-0092	Little Sand	201	8	11.6	11.0	12.0	Klunder, Larry
11-0387	Little Webb	201	8	13.8	12.0	16.5	Swenson, Gerald
11-0258	Long	201	5	17.2	13.0	20.0	Allmendinger, Kevin
11-0142-02	LONG (MAIN BASIN)	202	13	18.1	13.5	29.0	Sifford, Paul
11-0142-02	LONG (MAIN BASIN)	204	13	19.2	15.0	26.0	Arnquist, Kit
11-0142-04	LONG (SW BAY)	203	6	17.7	14.0	24.0	Casey, John
11-0226	Loon	201	7	11.6	9.0	15.0	Littman, Robert
11-0269	Lost	201	11	14.7	13.5	17.5	Rueter, Clarence
11-0129	Lower Trelipe	201	13	6.0	4.0	8.5	Senst, Charles
11-0222	Margaret	201	32	4.5	3.0	6.5	Toborg, Bob
11-0222	Margaret	204	32	5.2	3.5	7.5	Toborg, Bob
11-0261	McKeown	201	9	20.3	15.0	32.0	Bjorgaard, Ralph
11-0200	Mule	201	11	17.9	12.0	25.5	Dahlager, Marjorie
11-0200	Mule	202	6	20.6	15.5	24.5	Hermanutz, Roger
11-0307	Norway	201	14	7.9	7.0	9.5	Becker, Lenore

**Legend:**

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11-0244	One	201	3	17.0	17.0	17.0	Jensen, Cathy
11-0355	Ox Yoke	201	3	16.2	14.5	18.0	DeBoer, Arden & Marilyn
11-0355	Ox Yoke	201	9	19.1	16.5	22.0	Jaycox, Roger
11-0415	Pike Bay	201	5	18.3	15.5	23.5	Erickson, Ron
11-0411	Pine Mountain	202	3	15.5	11.5	17.5	Smude, Bob
11-0383	Pleasant	202	7	17.4	13.5	23.5	Fark, Dan
11-0234	Ponto	201	12	17.5	17.0	18.0	Larson, Jim
11-0204	Portage	201	18	5.5	1.5	8.0	Knapp, Douglas
11-0490	Portage	202	10	12.4	9.5	17.5	Gustafson, Jack
11-0356	Rainy	201	5	14.2	13.0	15.0	Johnston, Judy
11-0220	Ray	202	6	8.7	7.0	10.5	Anderson, David
11-0324	Rock	201	6	6.8	6.0	8.0	Marquardt, Vergil
11-0043-01	Roosevelt - North	204	5	12.9	10.0	14.5	Neill, Denny
11-0043-02	Roosevelt - South	201	5	12.5	6.0	15.0	McKeon, Terri
11-0043-02	Roosevelt - South	202	5	12.9	6.0	16.0	McKeon, Terri
11-0043-02	Roosevelt - South	206	9	13.2	6.5	17.0	Nicholson, Deborah
11-0043-02	Roosevelt - South	206	7	13.6	9.5	16.5	Pertl, Lee
11-0043-02	Roosevelt - South	210	4	13.4	10.0	14.5	Lauman, Thomas
11-0043-02	Roosevelt - South	211	3	13.0	10.0	17.0	Kowalski, Mary
11-0043-02	Roosevelt - South	212	9	12.8	6.5	17.0	Nicholson, Deborah
11-0043-02	Roosevelt - South	213	6	16.3	12.0	19.0	Hanson, Eric
11-0361	Sanborn	203	2	19.5	17.0	22.0	Sladek, Bob
11-0279	Sand	201	7	23.7	19.5	29.5	Freitag, Katherine
11-0279	Sand	201	8	21.4	19.5	25.0	Harrison, Jim
11-0504	Steamboat	201	9	13.1	9.5	15.0	Stepan, Dan
11-0504	Steamboat	202	9	14.1	11.0	17.5	Ekstam, Rick
11-0371	Stony	201	18	20.9	16.5	29.0	Trout, Jerry
11-0133	Swift	201	7	10.7	7.0	13.5	Kuechenmeister, Robert
11-0304-02	SYLVAN (NE BAY)	201	4	19.6	18.5	20.5	Braga, Al
11-0304-01	SYLVAN (SW BAY)	201	1	18.5	18.5	18.5	Skroch, Andy
11-0304-01	SYLVAN (SW BAY)	202	5	15.5	13.5	18.5	Reese, Thomas
11-0413	Ten Mile	202	8	17.1	15.0	19.0	Alden, John
11-0413	Ten Mile	204	8	15.2	15.0	16.0	Alden, John
11-0062	Thunder	206	11	15.7	13.0	18.5	Edlund, Joan
11-0062	Thunder	210	5	14.1	11.0	20.0	Berg, Pat
11-0062	Thunder	211	5	14.1	10.0	21.0	Berg, Pat
11-0270	Trillium	201	13	9.6	6.0	14.0	Ferrell, Kevin

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11-0218	Upper Gull	202	13	11.7	8.5	18.5	Swenson, Jerry
11-0105	Upper Trelipe	202	4	16.4	15.5	17.5	Fowler, John
11-0029	Vermillion	201	6	6.0	3.0	9.5	Saulsbury, Lonny
11-0171-01	WABEDO (NE BAY)	202	17	11.8	7.0	14.0	Anderson, Ronald
11-0171-02	WABEDO (SW BAY)	203	14	10.7	8.5	12.5	Plotnik, Mike
11-0059	Washburn	201	5	12.8	11.5	14.0	Reich, Ron
11-0059	Washburn	203	14	11.5	10.0	13.0	Behning, Ron
11-0059	Washburn	204	16	11.9	9.0	14.5	Nelles, Richard
11-0059	Washburn	205	8	16.6	14.0	18.5	Dutton, Howard
11-0059	Washburn	206	5	12.7	11.5	14.0	Reich, Ron
11-0059	Washburn	207	16	14.1	12.0	16.0	Nelles, Richard
11-0059	Washburn	208	8	15.7	13.5	19.0	Snesrud, Dave
11-0311	Webb	201	9	12.9	11.0	15.0	Althaus, Don
11-0273	Widow	202	7	19.6	17.5	21.0	Shallbetter, Bonnie
11-0201-02	Woman (main lake)	206	4	18.2	13.0	23.5	Lange, John
11-0201-02	Woman (main lake)	207	5	17.7	15.0	20.5	Kruse, Don
11-0201-02	Woman (main lake)	502	7	16.3	13.5	18.5	Paul, Wendy

## CHISAGO County

Lake ID	Lake Name	Site	Summer				Volunteer
			NS	Mean	Min	Max	
13-0012-02	CHISAGO (SOUTH BAY)	201	6	3.7	2.5	6.0	Eral, Bill
13-0053	Comfort	201	6	6.3	4.5	9.0	Rheault, Charles
13-0053	Comfort	202	6	6.3	4.5	9.0	Rheault, Charles
13-0053	Comfort	203	6	6.2	4.5	9.0	Rheault, Charles
13-0069-01	East Rush	208	3	5.0	3.5	7.5	McKenzie, Tom
13-0083-01	GOOSE (NORTH BAY)	201	16	2.3	1.0	5.5	Ricci, Tom
13-0083-01	GOOSE (NORTH BAY)	202	16	2.3	1.0	5.5	Ricci, Tom
13-0083-02	GOOSE (SOUTH BAY)	201	16	4.6	4.0	5.5	Ricci, Tom
13-0083-02	GOOSE (SOUTH BAY)	205	5	4.3	3.5	5.0	Steman, Robert
13-0083-02	GOOSE (SOUTH BAY)	208	18	4.9	3.5	6.0	Thum, Robbie
13-0041-02	GREEN (MAIN BASIN)	201	4	8.1	5.5	11.0	Ekstrand, Rick
13-0041-02	GREEN (MAIN BASIN)	203	5	6.6	4.8	9.3	Guertin, James
13-0041-01	GREEN(LITTLE GREEN)	202	4	3.9	3.5	4.5	Ekstrand, Rick
13-0013	Kroon	201	6	4.6	3.0	6.0	Spetzman, Jerry
13-0033	Little	201	12	2.2	2.0	3.0	Duren, Michelle
13-0074	Mandall	201	18	4.9	2.5	7.5	Thum, Robbie
13-0032-01	North Center Lake	202	3	2.5	1.5	4.0	Olson, Paul
13-0079	Rabour	201	4	4.5	3.5	6.5	Farrell, Diane

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13-0079	Rabour	201	18	4.4	3.0	6.5	Thum, Robbie
13-0027	South Center	207	7	3.3	2.8	4.5	Smude, Bob
13-0031	Sunrise	202	4	5.8	3.5	9.5	Novalany, Nathan Johnson & Katie
13-0069-02	West Rush	204	3	3.2	2.0	5.5	McKenzie, Tom
13-0069-02	West Rush	205	9	4.2	3.0	7.0	Bachmeier, Ralph

## CLEARWATER County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
15-0040	Bagley	201	1	6.2	6.2	6.2	Mattana, Steve & Mary-Lou
15-0001	Big LaSalle	201	10	10.8	10.0	11.3	Christensen, Jane
15-0069	Cox	201	13	15.9	13.0	18.0	Hanson, Bunny
15-0016	Itasca	201	5	5.2	3.5	7.0	State Park, Itasca
15-0016	Itasca	202	5	5.3	3.5	8.0	State Park, Itasca
15-0016	Itasca	203	5	5.3	3.5	7.5	State Park, Itasca
15-0081	Lomond	201	6	9.7	7.3	11.7	Rasmussen, Ruth
15-0104	Lone	201	14	20.7	17.0	27.5	Hanson, Nona
15-0057	Long	101	16	21.7	15.5	30.0	Kaste, Barbara & Harold
15-0068	Long Lost	201	10	25.5	20.0	33.0	Svobodny, Jim
15-0068	Long Lost	202	7	21.1	17.0	27.5	Johnson, Ardell
15-0068	Long Lost	207	7	22.7	18.2	30.0	Johnson, Ardell
15-0149	Pine	202	6	9.3	8.0	10.0	Novak, Shannon
15-0149	Pine	203	5	9.4	8.0	11.0	Boman, John
15-0060	Walker Brook	201	5	10.0	7.0	14.0	Michel, James

## COOK County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
16-0759	Alpine	200	2	14.3	14.0	14.5	Bannerman, Roger
16-0759	Alpine	200	2	15.7	15.5	16.0	Betzner, David
16-0759	Alpine	200	1	13.5	13.5	13.5	High Adventure Camp, Northern Tier
16-0759	Alpine	201	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier
16-0759	Alpine	202	5	13.2	11.5	15.0	Affeldt, Kirk
16-0759	Alpine	202	1	17.5	17.5	17.5	Betzner, David
16-0182	Ball Club	201	10	12.7	11.5	14.0	Parker, Richard
16-0228	Bearskin	201	4	19.5	19.0	20.0	Serrin, Phil & Rhoda
16-0659	Beth	201	2	15.5	15.0	16.0	Lindgren, Philip
16-0247	Birch	201	4	17.1	16.5	17.5	Edlund, Stephen
16-0360	Caribou	103	6	6.4	6.0	7.5	Vaughan, Pat
16-0360	Caribou	201	3	7.3	7.0	8.0	Kelleher, Ethel

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16-0360	Caribou	201	6	6.6	5.5	8.0	Vaughan, Pat
16-0360	Caribou	203	6	7.4	6.5	9.5	Vaughan, Pat
16-0360	Caribou	204	6	7.5	6.5	8.5	Vaughan, Pat
16-0360	Caribou	205	6	8.0	7.0	9.5	Vaughan, Pat
16-0360	Caribou	206	4	8.2	7.0	9.0	Kelleher, Ethel
16-0360	Caribou	206	6	6.9	6.0	7.5	Vaughan, Pat
16-0360	Caribou	210	6	7.2	6.0	9.0	Vaughan, Pat
16-0139	Clearwater	201	6	29.6	22.5	34.0	Olson, Bob & Kay
16-0139	Clearwater	202	3	32.2	30.0	34.0	Olson, Bob & Kay
16-0139	Clearwater	204	7	30.3	23.0	35.0	Olson, Bob & Kay
16-0139	Clearwater	205	2	31.3	29.5	33.0	Olson, Bob & Kay
16-0139	Clearwater	206	1	35.5	35.5	35.5	Olson, Bob & Kay
16-0139	Clearwater	207	1	33.5	33.5	33.5	Olson, Bob & Kay
16-0150	Daniels	201	1	18.5	18.5	18.5	Olson, Bob & Kay
16-0253	Deer Yard	202	4	9.8	8.0	10.5	Oberholtzer, John
16-0143	Devil Track	201	9	11.5	11.0	13.0	MacLean, Bonnie & David
16-0143	Devil Track	202	9	10.4	8.5	12.5	MacLean, Bonnie & David
16-0143	Devil Track	203	8	10.9	9.5	13.0	Parker, Richard
16-0143	Devil Track	204	4	8.3	8.0	8.5	Futterer, Chuck
16-0232	Duncan	200	2	14.0	11.0	17.0	Sinden, Carol
16-0146	East Bearskin	201	5	10.4	9.0	12.0	Klett, David
16-0023	Esther	201	7	9.2	7.7	10.8	Hobday, John
16-0023	Esther	202	7	9.1	8.0	11.5	Hobday, John
16-0023	Esther	203	7	8.8	7.5	10.5	Hobday, John
16-0147	Flour	202	5	17.6	16.5	20.0	Klett, David
16-0811	Gabimichigami	200	1	13.5	13.5	13.5	High Adventure Camp, Northern Tier
16-0811	Gabimichigami	201	3	12.3	10.0	14.0	High Adventure Camp, Northern Tier
16-0811	Gabimichigami	203	1	10.5	10.5	10.5	High Adventure Camp, Northern Tier
16-0632-01	GULL (MAIN BASIN)	201	9	12.1	9.0	15.5	Gerkenmeyer, David
16-0356	Gunflint	200	1	16.0	16.0	16.0	High Adventure Camp, Northern Tier
16-0356	Gunflint	202	3	19.7	19.0	21.0	Caple, Jerry
16-0366	Holly	201	13	5.7	5.5	6.5	Nelson, Paul
16-0406	Homer	203	13	6.1	5.5	7.0	Nelson, Paul
16-0227	Hungry Jack	101	1	21.5	21.5	21.5	Bottger, John & Barbara
16-0227	Hungry Jack	202	1	21.0	21.0	21.0	Bottger, John & Barbara
16-0768	Jasper	200	1	13.5	13.5	13.5	Bannerman, Roger
16-0768	Jasper	200	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier

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16-0768	Jasper	201	1	14.5	14.5	14.5	Bannerman, Roger
16-0768	Jasper	201	1	14.5	14.5	14.5	High Adventure Camp, Northern Tier
16-0768	Jasper	202	1	18.0	18.0	18.0	Betzner, David
16-0768	Jasper	204	1	12.5	12.5	12.5	High Adventure Camp, Northern Tier
16-0188	Kemo	201	3	12.0	12.0	12.0	Zavoral, Betsy
16-0198	Leo	201	3	14.2	13.5	15.0	Little, Janet
16-0809	Little Saganaga	200	4	13.5	10.5	20.0	High Adventure Camp, Northern Tier
16-0809	Little Saganaga	201	1	8.7	8.7	8.7	High Adventure Camp, Northern Tier
16-0448	Loon	201	6	18.3	15.0	22.5	Adkins, Mary
16-0093	Mountain	200	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
16-0331	North	201	1	22.5	22.5	22.5	Caple, Jerry
16-0036	North Fowl	200	1	6.0	6.0	6.0	High Adventure Camp, Northern Tier
16-0619	Onagon	201	7	5.3	2.5	8.0	Scherer, Susan
16-0252	Pike	202	4	19.2	14.5	26.0	Heinz, Jim
16-0252	Pike	205	4	19.1	14.5	25.0	Heinz, Jim
16-0252	Pike	206	4	18.0	15.5	20.0	Heinz, Jim
16-0239	Poplar	202	12	8.9	7.0	10.5	Morrison, Jim
16-0720	Rattle	201	1	14.5	14.5	14.5	High Adventure Camp, Northern Tier
16-0793	Red Rock	101	1	10.0	10.0	10.0	High Adventure Camp, Northern Tier
16-0137	Rove	200	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier
16-0633	Saganaga	200	4	15.4	12.0	17.0	High Adventure Camp, Northern Tier
16-0633	Saganaga	203	1	9.0	9.0	9.0	High Adventure Camp, Northern Tier
16-0629	Sea Gull	200	3	14.2	13.5	15.0	Bannerman, Roger
16-0629	Sea Gull	204	7	15.0	12.5	18.0	Lande, Kathy
16-0629	Sea Gull	205	3	14.2	13.0	15.0	Steele, Chris
16-0244	South	200	1	23.0	23.0	23.0	High Adventure Camp, Northern Tier
16-0384	Tait	201	8	6.7	6.5	7.0	Barsness, Peter
16-0019	Tom	202	11	8.6	8.0	9.5	Bolinger, Harold
16-0138	Watap	200	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier

## COTTONWOOD County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
17-0007	Bingham	201	17	1.2	1.0	3.0	Turner, Dr. Bruce
17-0003	Mountain	201	10	4.7	2.5	5.0	Palm, Marlin

## CROW WING County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
18-0060	Agate	201	12	10.2	5.0	19.0	Taylor, Michael

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18-0213	Anna	201	3	12.0	11.5	13.0	Rees, Kent
18-0384	Bass	201	11	20.3	17.0	22.0	Helsene, Larry
18-0306	Bass	201	13	12.5	10.5	14.5	Johnson, Mary
18-0358	Bass	201	9	17.1	16.0	20.5	Swanson, Mary & Ken
18-0256	Bass	202	8	8.3	7.5	9.0	Meland, Roger
18-0358	Bass	3901	6	16.5	13.0	19.5	Vant, Mike
18-0034	Bay	203	12	17.0	14.0	23.5	Anderson, Dane
18-0034	Bay	204	9	15.7	12.0	22.0	Sather, Elliot & Monica
18-0034	Bay	205	12	16.5	13.5	23.0	Anderson, Dane
18-0034	Bay	206	12	18.1	15.0	26.0	Anderson, Dane
18-0211	Blue	201	4	28.1	23.5	37.0	Holmgren, Gordon
18-0259	Bonnie	203	4	15.4	13.0	19.0	Joyce, Linda
18-0259	Bonnie	204	4	15.6	13.0	21.5	Joyce, Linda
18-0014	Bulldog	201	2	8.3	8.0	8.5	Ott, Diane
18-0231	Butterfield	201	8	12.1	9.5	15.5	Johnson, Jim
18-0231	Butterfield	201	12	14.5	10.0	18.0	Smith, Ron
18-0018	Camp	201	7	8.0	6.5	10.5	Tinberg, Julie
18-0018	Camp	202	7	9.2	7.0	13.0	Jesse, Tom
18-0374	Clark	201	2	8.5	8.0	9.0	Bedard, George
18-0038	Clearwater	203	10	12.9	10.5	16.0	Kittock, Al
18-0038	Clearwater	207	10	12.1	9.0	15.0	Jones, Robert
18-0041-02	CROOKED (MAIN BAY)	201	8	16.9	15.5	17.5	Morrison, John
18-0041-02	CROOKED (MAIN BAY)	202	8	16.8	15.0	18.5	Morrison, John
18-0041-02	CROOKED (MAIN BAY)	203	8	16.6	15.0	18.0	Morrison, John
18-0041-02	CROOKED (MAIN BAY)	204	8	16.4	14.5	18.0	Morrison, John
18-0041-02	CROOKED (MAIN BAY)	205	1	18.0	18.0	18.0	Stebay, Jon & Margaret
18-0041-01	CROOKED (SUGAR BAY)	201	2	16.0	16.0	16.0	Stebay, Jon & Margaret
18-0155	Crow Wing	203	3	6.5	4.0	8.5	Hemze, Kathy
18-0271	Daggett	202	10	10.4	9.0	11.5	Neer, Larry
18-0296-03	Eagle (East Bay)	201	9	9.4	7.5	13.0	Swedberg, Kent
18-0296-01	Eagle (Main Bay)	201	9	10.8	8.0	14.0	Swedberg, Kent
18-0296-02	Eagle (West Bay)	201	9	11.8	9.0	16.0	Swedberg, Kent
18-0298	East Fox	202	10	18.9	17.0	21.0	Stancer, Bob
18-0407	East Twin	201	4	17.5	14.5	22.0	Adams, Tom
18-0148-02	East Twin	202	15	9.1	7.0	11.5	Eisel, Mervin
18-0396	Edna	202	5	15.8	14.5	16.5	Erikson, Richard
18-0305	Edward	203	12	14.3	11.0	22.0	Olson, Merle (Bud)

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18-0203	Emily	201	11	2.9	2.5	3.5	Dick, Ron
18-0224	Fool	202	4	6.1	5.5	7.0	Miller, Lisa Joan
18-0320-01	GILBERT (EAST BAY)	203	4	19.0	18.0	21.0	Borash, Maurice
18-0320-01	GILBERT (EAST BAY)	204	4	11.5	9.0	14.0	Borash, Maurice
18-0226	Goodrich	205	6	16.3	15.3	16.8	Royce, Richard
18-0070	Hamlet	202	15	19.7	18.5	21.5	Thorn, Merlin
18-0044	Hanks	202	2	14.3	10.5	18.0	Stebay, Jon & Margaret
18-0251-01	HORSESHOE (E. BAY)	206	17	16.1	15.0	17.5	Westby, Ray
18-0251-02	HORSESHOE (W. BAY)	205	6	16.2	13.0	18.0	Martin, Jerry
18-0375	Hubert	207	10	16.1	13.0	22.0	Tack, Dennis
18-0375	Hubert	208	11	17.7	15.0	23.5	Watkins, Karen
18-0183	Island	201	4	6.4	6.0	6.5	Erickson, Paul
18-0183	Island	202	3	5.0	3.0	7.0	Flemmer, Arlene
18-0019	Kenney	202	4	12.1	11.5	12.5	Warburg, Jerry
18-0118	Little Black Hoof	201	3	10.3	7.0	12.0	Hussman, Rita
18-0340	Little Hubert	202	9	15.6	14.5	18.5	Bloom, John
18-0266	Little Pine	202	5	12.3	11.5	13.5	Haag, Dan
18-0266	Little Pine	203	10	10.5	9.0	12.0	Neer, Larry
18-0357	Little Round	201	5	16.1	14.5	20.0	Kroeger, John
18-0360	Little Star	201	5	17.0	14.5	20.0	Kroeger, John
18-0342	Lougee	203	7	12.7	10.0	14.0	Hickman, Don
18-0403	Lower Cullen	202	4	14.1	12.0	16.0	Beaver, Tom & Ann
18-0403	Lower Cullen	202	8	14.3	12.5	16.5	Swift, Gil
18-0378	Lower Hay	201	9	14.9	10.8	18.8	Topinka, David & Judy
18-0378	Lower Hay	202	9	14.8	10.8	16.8	Topinka, David & Judy
18-0378	Lower Hay	203	13	14.7	11.0	21.0	Rezanka, Kay
18-0378	Lower Hay	204	9	15.1	10.2	18.8	Topinka, David & Judy
18-0243	Lower Mission	203	9	8.0	4.5	11.0	Hedlund, Ron
18-0185	Mary	202	4	5.4	3.5	8.0	Fairchild, Paul
18-0377	Middle Cullen	204	7	13.6	12.0	16.0	Boudrye, Charlie & Marie
18-0021	Miller	202	7	9.0	5.0	12.0	Garbarini, James
18-0294	Mitchell	201	4	6.5	6.0	7.0	Kipling, Gary
18-0166	Mud	201	3	3.5	2.5	4.0	Flemmer, Arlene
18-0104	Nokay	201	5	11.0	8.0	14.0	Roepe, Steve
18-0372	North Long	204	14	13.8	10.0	16.5	Rush, Ken
18-0372	North Long	206	17	18.0	14.0	20.5	Loney, Corey
18-0372	North Long	208	2	15.0	12.0	18.0	Mason, Don & Janet

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18-0372	North Long	210	4	14.5	13.0	17.0	McMenimen, Michael
18-0227-02	O'BRIEN (NE BAY)	201	10	18.8	16.0	25.0	Peterson, Martin
18-0352	Ossawinnamakee	202	7	22.6	19.5	25.5	Engblom, Ron
18-0352	Ossawinnamakee	204	7	23.2	20.5	25.5	Engblom, Ron
18-0352	Ossawinnamakee	204	15	21.0	17.5	24.0	O'Donnell, Joe & Catherine
18-0352	Ossawinnamakee	211	15	21.2	17.5	24.0	O'Donnell, Joe & Catherine
18-0048	Partridge	101	8	13.2	13.0	13.5	Cekalla, Donald
18-0371	Perch	201	3	16.2	15.0	18.5	Paul, David
18-0354	Pig	201	12	13.2	10.5	15.3	Boline, John & Gail
18-0261	Pine	201	14	11.8	8.0	15.0	Rudberg, David
18-0076	Placid	201	9	14.9	8.0	21.5	Weisbrod, Tom
18-0088	Platte	201	10	4.8	3.0	7.0	Dilly, Kevin
18-0088	Platte	202	10	4.6	3.0	7.0	Dilly, Kevin
18-0050	Portage	201	1	14.0	14.0	14.0	Stebay, Jon & Margaret
18-0050	Portage	203	6	15.4	11.5	18.0	Kennedy, Lorie
18-0093-01	Rabbit (East Portion)	202	7	15.0	10.0	24.0	Henrichs, Dennis
18-0093-01	Rabbit (East Portion)	204	7	13.3	9.0	19.0	Henrichs, Dennis
18-0093-02	Rabbit (West Portion)	201	7	14.0	12.0	18.0	Henrichs, Dennis
18-0093-02	Rabbit (West Portion)	202	4	15.0	13.5	17.0	Kidd, Larry
18-0093-02	Rabbit (West Portion)	203	7	13.6	12.0	18.0	Henrichs, Dennis
18-0386	Red Sand	201	9	9.9	8.5	12.0	Schmidt, Eldo
18-0386	Red Sand	201	9	12.1	8.5	17.5	Twamley, Brian
18-0145	Rice	202	6	7.4	5.5	8.5	Crum, Bonnie
18-0016	Rock	201	3	4.2	2.5	6.0	Ott, Diane
18-0165	Ross	202	8	5.1	4.5	6.0	Garberg, Robert
18-0373	Round	202	6	10.8	8.5	13.0	von Fischer, Robert
18-0373	Round	203	8	13.2	9.5	17.0	Stark, Larry
18-0373	Round	205	3	10.7	9.5	12.0	Alsleben, Jerry
18-0373	Round	206	5	11.2	8.5	12.0	von Fischer, Robert
18-0311	Rush	201	8	10.8	8.5	13.0	Zahler, Kevin
18-0212	Ruth	205	4	24.8	24.5	25.0	Bialon, Van
18-0212	Ruth	206	4	24.9	24.7	25.0	Bialon, Van
18-0161	Sebie	201	4	5.5	4.5	6.5	Stacken, Jodie
18-0090	Serpent	201	12	16.7	11.5	22.5	Bowen, Arlen
18-0072	Shirt	201	9	16.4	16.0	17.0	O'Brien, John
18-0404	Sibley	201	4	4.9	4.0	6.0	Lind, Dave
18-0239	Silver	201	7	11.4	9.0	14.0	Duerre, Dick

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18-0028	Smith	201	8	10.6	9.0	12.0	Vaidich, Tom & Mary
18-0028	Smith	202	13	12.2	12.0	12.5	Playle, William
18-0028	Smith	202	8	10.4	9.5	11.0	Vaidich, Tom & Mary
18-0028	Smith	203	7	10.9	9.0	12.0	Vaidich, Tom & Mary
18-0220	Smokey Hollow	201	7	7.1	6.2	8.2	Schaefer, Sue
18-0136	South Long	209	13	9.6	6.5	12.5	Grimsby, Paul
18-0136	South Long	210	13	9.7	7.0	13.0	Grimsby, Paul
18-0359	Star	204	5	18.6	17.5	20.0	Kroeger, John
18-0359	Star	205	5	18.0	16.5	21.5	Kroeger, John
18-0169	Stark	201	11	8.9	7.5	11.0	Olson, Gary
18-0169	Stark	204	7	8.3	6.5	10.0	Adam, Joseph
18-0047	Turtle	201	15	11.9	9.5	16.0	Schmit, Joseph
18-0167-01	TWIN (WEST BASIN)	201	3	6.5	6.0	7.0	Konstas, Ernest
18-0167-01	TWIN (WEST BASIN)	202	13	6.2	5.0	8.5	Blake, Ronald
18-0167-01	TWIN (WEST BASIN)	202	10	5.5	5.5	5.5	Olson, Kurt
18-0385	Unnamed	201	11	6.5	6.5	6.5	Helsene, Larry
18-0376	Upper Cullen	207	4	12.9	9.5	16.0	Opsahl, Dennis
18-0412	Upper Hay	202	16	8.0	3.5	14.0	DeLong, Gene
18-0242	Upper Mission	205	9	10.6	6.0	17.0	Hedlund, Ron
18-0096	Upper South Long	205	10	8.6	6.0	10.5	Rolfs, John
18-0284	Velvet	201	10	12.1	10.0	15.0	Blosberg, Dale
18-0297	West Fox	203	10	17.7	16.0	19.0	Stancer, Bob
18-0148-01	West Twin	201	15	16.5	12.5	20.5	Eisel, Mervin
18-0379	White Sand	203	5	9.1	8.5	10.0	Mezner, Laurel
18-0001	Whitefish	201	4	13.1	12.0	15.0	Vessey, Gen. John
18-0310	Whitefish	208	12	11.7	8.5	15.0	Rezanka, Kay

## DAKOTA County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
19-0021	Alimagnet	201	7	2.6	1.5	4.0	Grazzini Jr., Gene
19-0081	Augusta	201	1	1.0	1.0	1.0	Stein, Ellsworth
19-0006	Byllesby	201	5	2.0	1.0	2.5	Moesler, Guenther & Allene
19-0006	Byllesby	202	5	3.8	3.0	4.5	Moesler, Guenther & Allene
19-0006	Byllesby	203	5	5.4	3.5	8.0	Moesler, Guenther & Allene
19-0155	Carlson	201	1	4.0	4.0	4.0	Weston, Steve
19-0150	Cedar Pond	201	7	3.6	2.5	5.0	Ochs, Mark
19-0027	Crystal	204	17	6.0	4.0	10.5	Tranchilla, Joe
19-0161	East Thomas	201	6	5.3	4.0	6.0	Hedblom, Tom

### Legend:

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19-0057	Fish	204	9	6.6	4.3	12.0	Nippert, Carl
19-0069	Gerhardt	201	2	1.8	1.5	2.0	Peterson, Bruce
19-0004	Isabelle	201	2	0.2	0.0	0.5	Chapman, Clarence & Helen
19-0071	Jensen	201	5	2.7	2.3	3.0	Foss, Monica
19-0446	Laclavon	201	8	13.5	10.5	14.4	Shaver, Wally & Connie H.
19-0056	O'Leary	201	13	3.3	2.5	4.0	Cashman, Robert
19-0066	Quigley	201	7	6.4	2.0	11.0	Bergh, Brian
19-0067	Thomas	203	5	5.0	4.0	6.0	Alt, Joanne
19-0062	Unnamed	201	4	5.5	5.0	7.0	Krech, Jack
19-0290	Unnamed	201	4	1.9	1.5	3.0	Scheller, Dan
19-0156	Unnamed	201	8	0.9	0.5	1.5	Tyre, Royce
19-0153	Unnamed (Heine Pond)	201	7	12.4	9.0	15.0	Ochs, Mark
19-0063	Unnamed (Schwanz)	201	6	7.6	3.5	10.5	Schaefer, Joseph
19-0063	Unnamed (Schwanz)	202	6	7.5	3.5	11.5	Schaefer, Joseph
19-0063	Unnamed (Schwanz)	203	6	7.5	3.5	10.5	Schaefer, Joseph

## DOUGLAS County

Lake ID	Lake Name	Site	Summer				Volunteer
			NS	Mean	Min	Max	
21-0242	Aaron	202	4	8.3	7.5	9.0	Wagner, Dick
21-0085	Andrew	201	10	8.3	6.0	11.0	Fernholz, Paul
21-0085	Andrew	203	11	8.7	5.0	13.0	Verant, Matt
21-0102	Brophy	201	7	10.1	6.0	13.5	Saurdiff, Ron (Red)
21-0049	Burgen	201	3	7.0	6.5	8.0	Roth, Tim
21-0103	Cowdrey	201	8	12.7	10.5	14.5	Ries, Thomas
21-0199-01	CROOKED (NW BAY)	201	3	10.3	8.0	13.0	Howe, Mike
21-0080	Darling	202	17	10.4	6.5	14.0	Landman, Kirk
21-0080	Darling	203	17	10.2	6.5	14.5	Landman, Kirk
21-0213	Devils	201	10	7.0	5.5	8.5	Davis, Harry
21-0052	Geneva	201	17	8.5	6.0	18.0	Hains, Leonard
21-0189	Gilbert	201	5	2.2	1.0	3.0	Hoidahl, Greg & Pam
21-0123	Ida	101	5	15.0	12.0	20.0	Knauss, Darrel
21-0123	Ida	201	11	13.7	11.0	15.0	Jahnke, Dean
21-0123	Ida	202	10	15.0	10.5	20.5	Sandstrom, Bill
21-0123	Ida	205	5	16.9	11.0	21.5	Kilgore, William
21-0123	Ida	207	6	15.0	12.5	19.5	Hoeben, Al & Darlene
21-0123	Ida	208	8	15.6	11.0	19.0	Kanwischer, Jim
21-0123	Ida	209	10	13.5	10.5	21.0	Erstad, Don & Yvonne
21-0123	Ida	214	3	16.7	14.0	19.0	Katzmerak, Richard

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21-0123	Ida	215	9	14.9	13.5	16.5	Kohnen, Richard (Dick)
21-0076	Irene	203	15	8.3	4.0	19.0	Fisher, Jeffrey
21-0055	Jessie	201	12	4.3	3.0	7.0	Brink, Gary
21-0106-01	LATOKA (NORTH BAY)	202	9	14.5	10.5	17.0	Braun, Rich & Marlene
21-0106-01	LATOKA (NORTH BAY)	203	9	14.6	11.0	17.0	Braun, Rich & Marlene
21-0106-02	LATOKA (SOUTH BAY)	201	9	15.1	13.0	19.0	Braun, Rich & Marlene
21-0056	Le Homme Dieu	205	12	12.4	10.0	14.5	Clayton, Jim
21-0056	Le Homme Dieu	207	12	12.4	10.0	14.5	Clayton, Jim
21-0056	Le Homme Dieu	209	12	12.4	10.0	14.5	Clayton, Jim
21-0144-01	LOBSTER (EAST BAY)	201	11	13.0	9.5	22.0	Onstad, Pete
21-0144-01	LOBSTER (EAST BAY)	202	11	10.4	7.5	19.0	Onstad, Pete
21-0144-02	LOBSTER (WEST BAY)	201	17	8.4	6.5	12.0	Onstad, Pete
21-0144-02	LOBSTER (WEST BAY)	202	17	8.2	5.5	11.5	Onstad, Pete
21-0094	Louise	201	7	9.1	6.0	12.5	Pexsa, Kenneth
21-0079	Maple	203	16	8.4	5.0	10.0	Steffen, Ralph
21-0079	Maple	204	14	7.9	6.0	9.5	Morgan, David
21-0092	Mary	205	24	7.3	4.5	10.0	Schmidt, Terry
21-0092	Mary	206	6	7.4	3.5	14.5	Bahn, Gary
21-0180	Mill	202	17	7.9	6.0	15.0	Mckay, Jim
21-0083	Miltona	201	1	13.5	13.5	13.5	Zins, Steve & Linda
21-0083	Miltona	202	1	15.0	15.0	15.0	Zins, Steve & Linda
21-0083	Miltona	203	5	11.7	10.0	14.5	Fulton, Jerry
21-0083	Miltona	204	5	10.9	9.0	15.0	Fulton, Jerry
21-0245	Moses	201	7	14.9	14.0	16.5	Cress, James
21-0245	Moses	201	4	12.5	10.0	15.0	Sparks, Dennis
21-0140	Pocket	202	8	5.4	4.5	6.5	Cooper, Terry
21-0291	Red Rock	204	10	4.0	2.0	9.0	Jagodzinski, George
21-0291	Red Rock	205	10	4.0	2.0	9.0	Jagodzinski, George
21-0090	Turtle	201	10	4.9	3.0	8.5	Faber, Fred
21-0054	Victoria	204	15	9.5	6.0	12.5	Syverson, Mike
21-0081	Winona	6202	14	0.8	0.8	1.0	Hirman, Arland
21-0081	Winona	6203	18	0.8	0.8	1.0	Hirman, Arland

## FARIBAULT County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
22-0033	Minnesota	201	2	2.7	0.5	5.0	Heather, Jack
22-0007	Rice	201	12	3.5	3.2	3.7	Schmitz, Katy

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## FREEBORN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
24-0028	Bear	202	8	0.6	0.5	0.8	Marpe, Scott
24-0030	State Line	202	6	0.5	0.5	0.5	Marpe, Scott

## GRANT County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
26-0095	Barrett	202	11	6.3	6.0	8.0	Montonye, Joe
26-0040	Elk	202	8	6.0	5.0	7.0	Eblen, Gene
26-0002	Pelican	201	3	2.5	2.5	2.5	Lewis, Mark
26-0002	Pelican	202	3	2.5	2.5	2.5	Lewis, Mark
26-0002	Pelican	203	3	2.5	2.5	2.5	Lewis, Mark
26-0002	Pelican	204	3	2.0	2.0	2.0	Lewis, Mark
26-0002	Pelican	208	3	2.5	2.5	2.5	Lewis, Mark
26-0097	Pomme de Terre	202	5	3.3	3.0	4.0	Hubbard, Ken
26-0097	Pomme de Terre	205	3	4.8	4.0	6.0	Huseth, John

## HENNEPIN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
27-0098	Bass	203	10	3.9	2.0	8.0	Groth, Marvin
27-0031	Calhoun	202	8	14.3	13.0	16.0	DuFresne, Jorja
27-0119	Cedar Island	202	11	1.0	1.0	1.0	Lane, Steven
27-0022	Diamond	202	7	2.1	2.0	2.5	Jeutter, Larry
27-0191-02	East Sarah	205	16	3.2	2.0	10.5	Spencer, Brad
27-0118	Fish	101	8	2.9	2.5	3.5	Randall, Joe
27-0118	Fish	206	11	4.3	3.0	6.5	Schultz-Chouinard, Diane
27-0152	Half Moon	202	9	3.0	2.0	4.5	Merten, Steve
27-0016	Harriet	205	14	9.2	4.0	12.5	Brinda, Michael
27-0176	Independence	206	11	3.6	2.5	5.0	Bisagno, Lynne
27-0044	Indianhead	202	1	5.5	5.5	5.5	Wright, Michael
27-0040	Lake of the Isles	202	4	6.6	2.0	11.0	McAdie, Aaron
27-0103	Lost	202	2	3.0	3.0	3.0	Shebuski, Joe
27-0133-06	Minnetonka-Black Lake	201	16	5.4	4.5	6.2	King, Wallace
27-0133-03	Minnetonka-Carsons Bay	202	5	12.5	10.5	14.8	Pokonosky, Tom
27-0133-10	Minnetonka-Crystal Bay	201	7	9.5	8.5	10.5	Humboldt, Joyce
27-0133-09	Minnetonka-Halsteds Bay	203	8	1.7	1.5	2.0	Magnuson, Michelle
27-0133-09	Minnetonka-Halsteds Bay	204	3	2.0	1.5	2.5	Seeley, Larry
27-0133-15	Minnetonka-Jennings Bay	203	10	3.5	3.0	5.0	Sotirin, Andrea

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27-0133-02	Minnetonka-Lower Lake	201	6	14.8	12.5	18.5	Fey, Fred
27-0133-02	Minnetonka-Lower Lake	204	9	10.4	7.5	12.5	Backes, Marie
27-0133-02	Minnetonka-Lower Lake	213	10	14.4	12.0	17.0	Davis, Jill
27-0133-11	Minnetonka-Maxwell Bay	201	7	5.9	4.5	7.5	Humboldt, Joyce
27-0133-07	Minnetonka-Seton Lake	201	11	5.4	5.0	7.0	Sotirin, Paige
27-0133-12	Minnetonka-Stubbs Bay	202	6	3.6	2.0	5.5	Humboldt, Joyce
27-0133-05	Minnetonka-Upper Lake	113	7	6.2	5.5	8.0	Roath, Brad
27-0133-05	Minnetonka-Upper Lake	115	6	10.8	8.5	14.0	Wright, Pamela & Tom
27-0133-05	Minnetonka-Upper Lake	203	9	8.2	6.5	9.5	Prok, Chris
27-0133-05	Minnetonka-Upper Lake	207	14	10.1	7.5	12.0	Shellenbaum, Steve
27-0133-05	Minnetonka-Upper Lake	208	14	9.0	7.0	11.0	Mason, Mike
27-0133-05	Minnetonka-Upper Lake	210	16	9.5	7.0	11.0	Skramstad, Tom
27-0133-05	Minnetonka-Upper Lake	211	4	10.8	9.5	11.5	Edwards, Ward
27-0133-05	Minnetonka-Upper Lake	303	6	11.5	9.0	14.0	Wright, Pamela & Tom
27-0133-05	Minnetonka-Upper Lake	312	6	11.0	9.0	14.0	Wright, Pamela & Tom
27-0133-14	Minnetonka-West Arm	206	5	2.7	2.0	5.0	Johnson, Paul
27-0055	Mirror	201	3	1.7	1.5	2.0	Duckler, Suzanne
27-0019	Nokomis	202	7	3.4	2.0	6.0	Jeutter, Larry
27-0178	Ox Yoke	201	13	2.2	1.5	2.5	Albers, Mitch
27-0107	Parkers	201	15	8.3	4.0	16.0	Videen, Marsha & Bob
27-0076	Red Rock	201	5	4.2	2.5	10.0	Henk, Ken
27-0116-04	Rice - Outlet Bay	201	13	1.3	0.0	3.0	Schneider, George
27-0116-02	Rice - West Bay	201	11	6.0	5.5	6.0	Schneider, George
27-0116-01	Rice Main Lake	201	14	3.6	1.0	8.5	Schneider, George
27-0102	Schmidt	201	6	8.4	8.0	8.5	Scalzo, Joel
27-0179-02	South Little Long	202	3	17.5	17.5	17.5	Axness, Cynthia
27-0141	Tanager	202	2	3.5	2.0	5.0	Molumby, Gary
27-0191-01	West Sarah	206	15	3.3	2.0	12.0	Peterson, Mike

## HUBBARD County

Lake ID	Lake Name	Site	Summer				Volunteer
			NS	Mean	Min	Max	
29-0208	Bad Axe	203	5	16.6	13.0	21.0	Martin, John
29-0292	Beauty	201	8	23.3	20.0	28.0	Wetter, Mary
29-0048	Benedict	202	1	10.0	10.0	10.0	Knoll, Gary
29-0048	Benedict	204	2	10.0	10.0	10.0	Knoll, Gary
29-0032	Big Bass	201	14	20.4	17.0	22.0	Miller, Fred
29-0185	Big Sand	203	13	25.6	19.0	34.0	Sederstrom, Richard
29-0185	Big Sand	206	24	26.4	17.0	40.0	Dyre, Dan

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29-0185	Big Sand	206	13	25.4	19.0	35.5	Sederstrom, Richard
29-0185	Big Sand	208	9	25.7	22.0	32.0	Provinzino, Dr. Richard
29-0184	Blue	201	4	15.5	11.0	19.0	Jacobson, Ronald
29-0090	Deer	201	3	14.3	14.0	15.0	Drury, Carl
29-0142	Duck	201	13	6.9	4.5	10.0	Mead, Dewayne
29-0256	Eagle	201	8	12.3	9.0	17.5	Weideman, Mike & Janine
29-0256	Eagle	202	8	11.8	9.0	17.0	Weideman, Mike & Janine
29-0101-01	East Crooked	203	13	19.3	13.0	25.5	Pogatschnik, Rick
29-0092	Fifth Crow Wing	201	9	10.1	5.0	16.0	Petersen, Howard
29-0242	Fish Hook	201	8	11.1	9.5	13.5	McCann, Mike
29-0242	Fish Hook	202	8	11.0	9.5	13.5	McCann, Mike
29-0242	Fish Hook	203	8	11.2	9.0	14.0	McCann, Mike
29-0242	Fish Hook	204	8	11.3	9.5	14.5	McCann, Mike
29-0242	Fish Hook	205	8	10.6	9.0	12.5	McCann, Mike
29-0061	Garfield	203	13	13.0	7.0	24.5	Warisch, Mark
29-0188	Gilmore	202	17	16.5	9.0	29.0	Thielges, Tom & Iva
29-0071	Grace	201	11	13.7	5.5	30.5	Black, Richard
29-0170	Ida	201	5	23.4	19.0	29.0	Kirkham, Doug
29-0088	Island	201	4	11.7	10.0	13.5	Thompson, Robert
29-0254	Island	202	8	7.2	6.0	7.7	Friedman, Sharon & Allen
29-0254	Island	203	8	7.3	6.8	8.0	Friedman, Sharon & Allen
29-0075	Kabekona	206	18	14.9	9.5	25.0	Smeby, Rolf
29-0313	Little Mantrap	201	6	17.6	15.0	21.0	Axelson, June & Richard
29-0313	Little Mantrap	202	6	17.4	15.0	21.5	Axelson, June & Richard
29-0313	Little Mantrap	203	6	17.8	14.5	21.5	Axelson, June & Richard
29-0150	Little Sand	204	6	21.5	18.0	26.5	Thompson, Vern
29-0238	Little Spearhead	201	13	19.5	15.0	21.0	Ellis, John
29-0161	Long	206	8	9.6	7.5	11.5	Dressler, Fred
29-0180	Lower Bottle	201	10	16.0	9.5	25.0	Evans, Lyle
29-0180	Lower Bottle	202	10	16.9	10.0	25.0	Evans, Lyle
29-0180	Lower Bottle	203	10	17.9	10.5	27.0	Evans, Lyle
29-0180	Lower Bottle	204	10	16.9	9.5	26.5	Evans, Lyle
29-0151-01	MANTRAP (EAST BASIN)	201	14	14.1	9.0	21.0	Laske, Lyle
29-0151-01	MANTRAP (EAST BASIN)	203	14	14.3	8.5	21.0	Laske, Lyle
29-0151-05	MANTRAP (HOME BAY)	201	10	15.4	14.0	17.0	3M, Wonewok
29-0151-05	MANTRAP (HOME BAY)	201	17	15.8	13.0	17.5	Gabbert, Charles
29-0151-02	MANTRAP (MIDDLE BASIN)	203	17	12.5	7.0	16.0	Gabbert, Charles

**Legend:**

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29-0151-02	MANTRAP (MIDDLE BASIN)	205	17	10.3	7.0	13.0	Gabbert, Charles
29-0151-02	MANTRAP (MIDDLE BASIN)	207	17	12.7	8.0	16.0	Gabbert, Charles
29-0151-04	MANTRAP (WEST ARM)	202	17	13.4	9.0	16.0	Gabbert, Charles
29-0151-04	MANTRAP (WEST ARM)	203	17	13.1	8.0	17.0	Gabbert, Charles
29-0066	Midge	201	10	7.7	3.0	12.0	Brose, Ralph
29-0247	Moran	202	5	13.3	12.5	14.0	Giefer, Tom
29-0087	Palmer	203	8	10.2	9.0	11.5	Hed, Loren
29-0178	Pickerel	201	5	10.5	9.5	12.0	Rausch, Christine
29-0178	Pickerel	202	4	14.0	13.0	15.0	Rausch, Christine
29-0178	Pickerel	203	4	15.5	14.0	18.0	Fladeboe, Gerald
29-0178	Pickerel	204	4	15.1	14.0	17.5	Fladeboe, Gerald
29-0156	Plantagenet	202	14	9.4	4.5	17.5	Mueller, Clint
29-0250	Portage	201	17	4.6	3.0	6.5	Peterson, Marilyn
29-0243	Potato	202	15	11.7	8.0	18.0	Rothermel, Richard
29-0243	Potato	203	15	10.8	7.0	14.0	Rothermel, Richard
29-0243	Potato	204	15	13.5	5.5	18.0	Sundstrom, Jim
29-0243	Potato	205	9	11.8	8.5	15.5	Sorenson, Mark
29-0243	Potato	206	8	13.3	8.0	19.5	Cohrs, Mike
29-0091	Seventh Crow Wing	201	5	7.2	4.5	9.5	Bastis, Charles
29-0091	Seventh Crow Wing	202	6	9.7	7.0	13.0	Nelson, Robert
29-0089	Shallow	201	6	7.6	7.5	8.0	Fox, Tom
29-0043	Shingobee	201	18	12.0	7.5	17.5	Hudson, Dallas
29-0093	Sixth Crow Wing	201	4	10.6	6.5	16.0	Childs, Mike
29-0212	Skunk	201	5	20.0	16.0	24.0	Holz, Del
29-0239	Spearhead	202	17	15.0	9.0	21.5	Audubon Society, Mississippi Headwaters
29-0117-02	SPIDER (EAST BAY)	202	8	21.5	17.0	26.5	Miller, Everett
29-0117-01	SPIDER (NE/SW BAY)	201	8	22.0	17.0	27.0	Miller, Everett
29-0172	Stocking	203	10	10.4	9.0	13.0	Henke, Doug
29-0077	Third Crow Wing	202	14	3.9	2.5	6.0	Larson, Dan
29-0148	Upper Bottle	201	5	18.2	8.0	28.0	Jones, Bill
29-0148	Upper Bottle	202	5	18.9	8.0	30.0	Jones, Bill
29-0148	Upper Bottle	203	5	18.2	8.0	28.0	Jones, Bill
29-0148	Upper Bottle	204	5	18.3	8.0	28.0	Jones, Bill
29-0148	Upper Bottle	205	5	17.5	8.0	28.0	Jones, Bill
29-0101-03	West Crooked	201	1	18.0	18.0	18.0	O'Connor, Dennis
29-0015	Williams	201	18	17.7	12.0	22.0	Hudson, Dallas

**Legend:**

LAKE ID: Lake Identification Number: [XX]-[YYYY]-[ZZ] X-County Number, Y-Lake Number, Z-Bay Number  
LAKE NAME: Name of Lake NS: Number of Readings MIN: Minimum Secchi Reading (ft)  
SITE: Monitoring Location on Lake MEAN: Mean Secchi Transparency (ft) MAX: Maximum Secchi Reading (ft)

## ISANTI County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
30-0036	Elms	200	28	8.2	7.6	9.4	Hartnett, Kevin
30-0043	Fannie	202	11	7.2	5.0	8.5	Hall, Wayne
30-0035	Florence	200	28	5.0	3.4	7.3	Hartnett, Kevin
30-0080	Francis	201	3	1.4	0.5	3.0	Taray, Steve
30-0136	Green	204	9	5.1	3.0	8.0	McLaughlin, Jim
30-0056	Long	201	2	4.0	4.0	4.0	Ericsson, Kriste & Kermit
30-0072	Long	203	8	1.5	1.0	2.0	Laciskey, John
30-0022	Skogman	201	7	5.1	4.0	8.0	Bley, Sherrill
30-0135	Spectacle	203	4	13.0	11.5	14.0	Austin, Glenn

## ITASCA County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
31-0642	Adele	201	1	8.0	8.0	8.0	Shideler, Mary
31-0597	Amen	201	10	17.1	13.5	25.0	LeDuc, F.
31-0349	Antler	203	1	16.0	16.0	16.0	Christoffer, Kevin
31-0349	Antler	204	1	16.5	16.5	16.5	Christoffer, Kevin
31-0259	Balsam	201	3	9.5	9.0	10.0	Coil, Mark
31-0576	Bass	201	10	16.7	15.0	18.0	Axtell, Don
31-0576	Bass	202	10	14.0	11.5	17.0	Mutchler, Julie
31-0197	Battle	201	10	8.7	6.0	11.0	Blackmer, Lawrence
31-0058	Beatrice	201	14	11.8	10.0	13.5	Gardner, Neil
31-0028	Beauty	201	13	8.2	6.5	10.5	Dilley, Patrick
31-0726	Bello	201	8	10.8	9.0	12.0	Vojta, James
31-0656	Big Dick	201	3	11.7	9.0	13.0	Knutson, Clayton
31-0416	Black Island	202	7	11.1	9.0	14.0	Schneider, Richard
31-0210	Blackberry	201	1	8.0	8.0	8.0	Reed, Rian
31-0972	Bluebill Pond	201	1	5.5	5.5	5.5	Shideler, Mary
31-0395	Bluewater	202	10	19.3	16.0	24.0	Ellsworth, Nancy
31-0395	Bluewater	203	11	19.7	14.5	26.5	Klacan, George
31-0623	Boy	201	9	19.7	17.0	24.0	Ryan, Thomas
31-0069	Buck	201	5	10.8	9.0	14.0	Maki, Charlotte
31-0340	Buck	201	1	6.0	6.0	6.0	Shideler, Mary
31-0069	Buck	202	3	9.2	7.5	10.0	Walsh, Mike
31-0424	Burnt Shanty	202	13	17.7	12.5	23.5	Simonson, Ken & Betty
31-0413	Burrows	201	3	11.8	11.5	12.0	Pedrow, Paul

### Legend:

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31-0530	Busties	202	8	12.4	11.0	13.0	Mottinger, Susan
31-0620	Caribou	203	7	35.8	31.5	41.5	Uggla, Don
31-0620	Caribou	205	7	35.6	32.0	42.0	Uggla, Don
31-0647	Circle	201	1	9.5	9.5	9.5	Shideler, Mary
31-0214	Clearwater	201	7	10.6	7.0	14.0	Reed, Rian
31-0540	Clubhouse	101	2	16.3	16.0	16.5	Ingstad, Jerome
31-0540	Clubhouse	203	2	17.2	17.0	17.5	Lundquist, Erik
31-0710	Connors	202	6	13.8	11.5	16.0	Danielson, Ron
31-0193	Crooked	201	2	7.0	7.0	7.0	Pearson, Mary Jean
31-0857-01	Cut Foot Sioux(Main Bay)	202	12	9.7	4.0	18.0	Tollenaar, Norm
31-0334	Deer	201	8	10.4	9.0	11.5	Carlson, Dennis
31-0719	Deer	206	3	17.3	16.0	19.0	Goracke, Earl
31-0719	Deer	207	3	16.3	14.5	17.5	Widen, Douglas
31-0719	Deer	209	7	17.4	13.5	20.0	Chatterton, David
31-0719	Deer	210	6	17.5	13.0	21.0	Ritzinger, George
31-0719	Deer	211	2	19.5	18.5	20.5	Ratzlaff, Joan
31-0921	Dixon	201	4	7.5	7.0	8.0	Lathrop, Dave
31-0643	Doctor	201	1	8.0	8.0	8.0	Shideler, Mary
31-0882	Dora	201	15	9.8	8.0	11.5	Lacher, Richard
31-0221	Dunning	201	4	18.4	16.0	23.0	Orf & Diana Hestwood, Earl
31-0454	Eagle	101	7	11.8	11.5	12.0	Clos, Gary
31-0460	East	201	2	14.2	13.5	15.0	Ingstad, Jerome
31-0616	East Smith	201	22	12.3	10.0	15.0	Hugdahl, Tom
31-0167	Eve	201	1	4.5	4.5	4.5	Shideler, Mary
31-0497	Fifth Chain	201	4	10.5	10.0	11.0	Holtz, Wayne
31-0497	Fifth Chain	201	15	13.5	10.5	16.0	Maschwitz, David
31-0497	Fifth Chain	203	10	12.5	11.0	14.0	Maschwitz, David
31-0183	Five Island	201	5	13.1	9.5	15.5	Brewer, Jim
31-0624	Grave	201	9	15.1	12.5	17.5	Ryan, Thomas
31-0569	Guile	201	7	14.6	14.0	16.5	Christman, Howard
31-0569	Guile	202	7	14.6	13.5	17.0	Christman, Howard
31-0492	Gum	201	6	14.2	10.0	17.5	Maschwitz, David
31-0782	Gunderson	201	3	14.0	13.0	14.5	David, Rachelle
31-0782	Gunderson	202	3	15.5	15.0	16.0	David, Rachelle
31-0452	Gunn	201	4	11.6	11.5	12.0	Holtz, Wayne
31-0452	Gunn	201	15	13.9	9.0	17.5	Maschwitz, David
31-0373	Hale	201	9	15.4	14.5	17.0	Erickson, Vern

**Legend:**

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31-0361	Hale	201	9	12.5	10.5	17.0	Libbey, Richard
31-0154	Hartley	201	4	9.4	9.0	10.0	Hartman, Bruce
31-0037	Hay	201	1	4.5	4.5	4.5	Shideler, Mary
31-0466	Horseshoe	202	3	14.2	13.0	15.0	Gustaveson, Albert
31-0696	Horseshoe	202	4	10.8	10.0	11.5	Olsen, Ronnie
31-0372	Ice	201	1	14.5	14.5	14.5	Braun-Johnson, Susan
31-0372	Ice	201	1	15.0	15.0	15.0	Shideler, Mary
31-0657-01	JACK THE HORSE (N)	201	6	11.8	11.5	12.0	Dobihal, Charles
31-0657-02	JACK THE HORSE (S)	201	6	11.8	11.0	12.0	Dobihal, Charles
31-0565	Jay Gould	201	5	13.3	12.0	14.0	Goebel, Fred & Linda
31-0786	Jessie	203	8	8.6	5.5	16.0	Nelson, Bill
31-0586	Johnson	202	12	17.8	14.0	20.5	Hendrickson, Bud
31-0586	Johnson	203	1	13.0	13.0	13.0	Shideler, Mary
31-0687	Johnson	205	2	13.6	12.5	14.8	Swanberg, Bill
31-0758	Little Bowstring	201	9	6.8	4.0	14.5	Ford, Norman
31-0621	Little Dead Horse	201	4	16.3	14.5	18.5	Johnson, Dennis
31-0588	Little Horn	201	1	11.5	11.5	11.5	Shideler, Mary
31-0784	Little Jessie	202	6	14.6	11.5	18.5	Nystrom, Mike
31-0613	Little Long	203	3	16.3	15.5	17.5	Buck, Virgle
31-0093	Little Sand	204	4	8.9	7.5	10.0	Haapoja, Margaret & Don
31-0341	Little Split Hand	202	2	8.3	8.0	8.5	Loegering, Perry C. & Shirley
31-0187	Little Tank	201	1	9.0	9.0	9.0	Shideler, Mary
31-0394	Little Trout	202	6	21.0	19.0	22.5	Oberg, Paul
31-0779	Little Turtle	201	8	7.5	4.0	13.0	Kreun, Darrell & Judy
31-0399	Little Wabana	202	9	23.4	16.0	29.5	Adams, Cheryl
31-0635	Little Wolf	201	1	12.5	12.5	12.5	Shideler, Mary
31-0571	Loon	201	5	14.5	12.0	16.5	Hansen, Norley
31-0759	Maki	201	9	16.3	14.0	25.0	Ford, Norman
31-0473	Mary	202	8	12.9	12.0	13.5	Voxland, Chuck
31-0585	McAvity	201	5	16.6	14.5	20.0	Olson, Nancy
31-0078	McGuire	201	9	6.3	4.5	9.5	Norton, Art
31-0370	McKinney	201	8	10.0	6.0	11.0	Harker, Jamison
31-0722	Moose	202	9	17.3	13.5	22.0	Christensen, Marty
31-0355	Mud	201	1	2.5	2.5	2.5	Shideler, Mary
31-0728	Muskeg	201	1	3.0	3.0	3.0	Shideler, Mary
31-0633	Mystery	201	1	8.0	8.0	8.0	Shideler, Mary
31-0290	Napoleon	203	9	16.2	11.5	26.0	Askew, Wiley

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31-0877	Natures	202	3	6.5	6.0	7.0	Hurley, Jack
31-0877	Natures	203	3	6.3	6.0	7.0	Hurley, Jack
31-0653	North Star	205	15	13.2	11.5	16.5	Dittberner, Duane
31-0190	North Twin	202	12	13.5	11.0	18.5	Blaha, Paul
31-0331	Otter	201	1	8.5	8.5	8.5	Shideler, Mary
31-0292	Owen	201	7	11.4	11.0	13.0	Harker, Jamison
31-0791	Peterson	202	7	9.5	8.5	10.5	Sheplee, Ardie
31-0339	Pickereel	201	13	10.1	8.5	12.5	Stensrud, Homer
31-0166	Piel	201	1	3.5	3.5	3.5	Shideler, Mary
31-0532-01	POKEGAMA (MAIN BAY)	202	5	18.8	17.0	20.0	Giddings, Bob & Tom
31-0532-01	POKEGAMA (MAIN BAY)	204	5	18.4	17.0	19.5	Giddings, Bob & Tom
31-0532-01	POKEGAMA (MAIN BAY)	205	5	18.4	15.5	20.0	Giddings, Bob & Tom
31-0532-01	POKEGAMA (MAIN BAY)	206	4	15.4	12.5	17.5	McCarty, Randy
31-0532-01	POKEGAMA (MAIN BAY)	208	16	16.9	11.0	21.5	Davis, Pat
31-0532-01	POKEGAMA (MAIN BAY)	214	5	16.5	11.0	20.0	Lorenz, Dave
31-0532-01	POKEGAMA (MAIN BAY)	215	4	14.6	11.5	16.5	McCarty, Randy
31-0532-01	POKEGAMA (MAIN BAY)	216	4	15.0	12.5	16.0	McCarty, Randy
31-0532-01	POKEGAMA (MAIN BAY)	217	4	15.1	12.0	17.0	McCarty, Randy
31-0532-02	POKEGAMA (WENDIGO)	203	9	14.2	13.0	16.0	Hoshal, Wayne
31-0991	Pothole	201	1	3.5	3.5	3.5	Shideler, Mary
31-0384	Prairie	201	9	6.1	4.5	7.5	Kleinert, Jeff
31-0053	Prairie	201	1	2.5	2.5	2.5	Shideler, Mary
31-0307	Rat	201	1	4.5	4.5	4.5	Shideler, Mary
31-0717	Rice	204	4	13.2	11.0	15.5	Goeman, Tim & Julie
31-0209	Round	201	9	5.6	4.0	9.0	Reed, Janis
31-0176	Rum	201	1	6.0	6.0	6.0	Shideler, Mary
31-1304	Ryan	201	1	10.5	10.5	10.5	Shideler, Mary
31-0826	Sand	202	10	9.5	7.0	14.0	Smith, Dave
31-0345	Scraper	201	7	8.8	7.5	10.5	Fortner, Larry
31-0084	Shallow	203	6	16.7	15.5	18.5	Ranta, Archie
31-0084	Shallow	205	5	14.8	12.0	17.0	Foust, Glen
31-0630	Shelly	201	1	9.0	9.0	9.0	Shideler, Mary
31-0729	Shingle Mill	201	1	11.5	11.5	11.5	Shideler, Mary
31-0534	Shoal	201	5	8.0	8.0	8.0	Stertz, Craig
31-0730	Shorty	201	1	2.0	2.0	2.0	Shideler, Mary
31-0554	Siseebakwet	203	19	19.2	13.0	26.0	Stenerson, Dick
31-0547	Smith	201	2	12.5	11.0	14.0	Loegering, Perry C. & Shirley

**Legend:**

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31-0255	Snaptail	201	6	14.4	12.5	16.5	Hupila, Alvar
31-0003	South Sturgeon	201	12	4.3	3.0	6.0	Leschak, Pete
31-0555	South Sugar	201	6	17.1	12.5	20.0	Sandeen, Dan
31-0191	South Twin	202	6	12.4	10.5	13.5	Appelget, Tony
31-0191	South Twin	203	6	12.5	10.0	14.5	Appelget, Tony
31-0191	South Twin	206	10	12.9	10.5	15.0	Blaaha, Paul
31-0538	Spider	203	13	9.2	6.5	11.5	Carsrud, Dean
31-0067-02	SWAN (MAIN BASIN)	201	15	18.1	15.0	21.0	Mattson, Lou
31-0067-02	SWAN (MAIN BASIN)	202	15	17.8	15.5	20.0	Mattson, Lou
31-0067-02	SWAN (MAIN BASIN)	203	15	18.4	15.0	22.5	Mattson, Lou
31-0067-02	SWAN (MAIN BASIN)	204	15	16.3	13.5	19.5	Mattson, Lou
31-0067-01	SWAN (WEST BAY)	201	15	13.1	9.5	15.0	Mattson, Lou
31-0542	Three Island	201	5	22.7	19.5	26.0	Ingstad, Jerome
31-0542	Three Island	202	5	22.5	19.5	26.5	Ingstad, Jerome
31-0542	Three Island	203	5	22.4	19.0	27.0	Ingstad, Jerome
31-0127	Trestle	201	5	13.2	12.0	14.5	Adamson, Jack
31-0410	Trout	201	5	18.8	12.5	23.0	Berg, William
31-0410	Trout	201	35	15.4	8.0	25.0	Zimmerman, John
31-0410	Trout	202	5	19.1	16.0	20.5	Berg, William
31-0216	Trout	202	6	16.6	8.0	26.0	Heltemes, Don
31-0410	Trout	203	5	14.1	9.5	20.0	Berg, William
31-0410	Trout	204	5	14.3	10.0	20.0	Berg, William
31-0410	Trout	205	5	14.7	10.0	21.0	Berg, William
31-0216	Trout	205	5	18.9	14.0	26.5	Karppi, William
31-0216	Trout	206	6	15.4	10.0	20.0	Heltemes, Don
31-0216	Trout	207	10	16.5	11.0	26.0	Hecimovich, Darrel
31-0725	Turtle	201	7	19.0	18.0	20.0	Hagen, Owen
31-0725	Turtle	205	8	17.4	15.0	20.5	Dziuk, Dr. Harold
31-0725	Turtle	206	3	20.2	19.0	21.5	Swanson, Kris
31-0013	Unnamed	201	1	2.3	2.3	2.3	Shideler, Mary
31-0337	Unnamed	201	1	6.0	6.0	6.0	Shideler, Mary
31-0021	Unnamed	201	1	7.0	7.0	7.0	Shideler, Mary
31-0066	Unnamed	201	1	4.5	4.5	4.5	Shideler, Mary
31-0087	Unnamed	201	1	8.0	8.0	8.0	Shideler, Mary
31-0172	Unnamed	201	1	7.0	7.0	7.0	Shideler, Mary
31-0323	Unnamed	201	1	2.5	2.5	2.5	Shideler, Mary
31-0102	Unnamed	201	1	4.5	4.5	4.5	Shideler, Mary

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31-0293	Unnamed	201	1	3.0	3.0	3.0	Shideler, Mary
31-0165	Unnamed	201	1	3.0	3.0	3.0	Shideler, Mary
31-0335	Unnamed	201	1	9.5	9.5	9.5	Shideler, Mary
31-0549	Unnamed	201	1	2.5	2.5	2.5	Shideler, Mary
31-0333	Unnamed	201	1	9.0	9.0	9.0	Shideler, Mary
31-0557	Unnamed	201	1	8.0	8.0	8.0	Shideler, Mary
31-0983	Unnamed	201	1	5.5	5.5	5.5	Shideler, Mary
31-0971	Unnamed	201	1	2.5	2.5	2.5	Shideler, Mary
31-0949	Unnamed	201	1	2.5	2.5	2.5	Shideler, Mary
31-1122	Unnamed	201	1	5.0	5.0	5.0	Shideler, Mary
31-0365	Unnamed	201	1	4.5	4.5	4.5	Shideler, Mary
31-0392	Wabana	201	10	17.2	15.0	20.0	Koewler, Jean & Dennis
31-0392	Wabana	202	11	21.6	16.0	25.5	Miner, Sherry
31-0392	Wabana	205	13	19.2	15.5	23.0	Lick, Susan
31-0392	Wabana	206	13	19.1	16.0	23.0	Zimmer, Kenneth
31-0392	Wabana	207	11	20.9	15.5	24.0	Miner, Sherry
31-0056	Washington	201	1	4.5	4.5	4.5	Shideler, Mary
31-0260	White Swan	201	4	12.5	9.0	16.0	Schloesser, Larry
31-0636	Wolf	201	1	12.0	12.0	12.0	Shideler, Mary

## JACKSON County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
32-0022	Clear	202	4	2.2	1.6	3.0	Olson, Gordon
32-0018-03	Fish (Main Lake)	203	4	4.6	3.6	5.9	Olson, Gordon
32-0024	Little Spirit	201	4	4.6	2.0	6.9	Olson, Gordon
32-0020	Loon	204	4	2.4	1.0	4.9	Olson, Gordon

## KANABEC County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
33-0040	Ann	201	10	3.6	2.0	6.0	Haight, Roberta
33-0040	Ann	202	4	3.1	2.5	3.5	Anderson, Tim
33-0040	Ann	203	10	4.1	2.5	7.0	Haight, Roberta
33-0040	Ann	204	10	4.1	2.0	7.0	Haight, Roberta
33-0033	Devils	202	1	4.5	4.5	4.5	Brothen, Suzanne
33-0036	Fish	201	10	2.6	1.5	4.0	Mandery, Duane
33-0028	Knife	205	9	1.8	0.5	2.5	Landherr, Jeff
33-0032	Lewis	201	13	7.7	6.5	9.0	Shimshock, Mary
33-0032	Lewis	202	13	7.0	5.5	8.0	Shimshock, Mary

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33-0009	Pomroy	201	3	4.8	4.0	6.0	Trupe, Steve
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## KANDIYOHI County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
34-0206	Andrew	205	13	9.5	6.5	15.0	Taunton, Tom
34-0086	Big Kandiyo	202	6	4.0	2.5	5.5	Stuhr, Dave
34-0086	Big Kandiyo	204	7	4.1	3.0	5.0	Furr, Tim
34-0086	Big Kandiyo	205	7	3.6	2.5	5.0	Furr, Tim
34-0086	Big Kandiyo	206	6	4.2	2.0	6.0	Stuhr, Dave
34-0062	Calhoun	201	9	2.7	1.6	3.9	Johnson, Ron
34-0062	Calhoun	201	12	4.0	2.0	7.0	Wensman, Mel
34-0062	Calhoun	202	12	4.1	2.0	6.9	Wensman, Mel
34-0044	Diamond	204	11	9.7	6.0	14.0	Gilmer, Jon
34-0044	Diamond	206	6	10.8	5.5	16.0	Schultz, Bill
34-0044	Diamond	207	2	8.3	6.0	10.5	Burfeind, Phil
34-0171	Eagle	202	15	8.7	4.0	21.0	Simons, Glen
34-0246	East Solomon	201	8	1.6	1.5	2.5	Williamson, Robert
34-0119	Elkhorn	203	8	13.7	11.0	18.0	Williamson, Maribeth
34-0181	Foot	201	6	2.3	1.5	3.0	Gieseke, Marvin
34-0181	Foot	202	3	2.5	2.5	2.5	Haines, John
34-0224	Games	202	8	9.1	8.0	10.0	Bosch, Doug & Barb
34-0142	George	201	8	12.0	9.0	14.5	Howell, Norman
34-0079	Green	201	7	15.1	14.0	17.0	Wacholz, Marlin
34-0079	Green	202	7	15.4	14.0	17.0	Wacholz, Marlin
34-0079	Green	203	7	15.3	13.0	17.0	Wacholz, Marlin
34-0079	Green	208	7	15.0	14.0	16.0	Wacholz, Marlin
34-0116	Henderson	202	4	12.6	12.0	13.5	Fladeboe, Gerald
34-0116	Henderson	205	12	12.9	11.0	15.0	Fladeboe, Gerald
34-0192	Long	201	4	6.3	5.0	8.5	Johnston, Mark
34-0066	Long	201	9	14.7	12.0	16.5	Zink, Larry
34-0192	Long	202	7	5.9	4.0	7.0	Swanson, Tim
34-0066	Long	202	9	14.3	12.0	17.0	Zink, Larry
34-0192	Long	203	15	6.4	4.0	10.0	Ast, Robert
34-0192	Long	203	3	4.7	3.5	6.5	Haroldson, Ron
34-0066	Long	203	2	19.0	16.5	21.5	Knudsen, Kyle
34-0192	Long	203	7	6.4	4.0	8.0	Swanson, Tim
34-0192	Long	204	7	6.1	4.5	9.0	Swanson, Tim
34-0066	Long	204	9	12.7	10.0	14.0	Zink, Larry

### Legend:

LAKE ID: Lake Identification Number: [XX]-[YYYY]-[ZZ] X-County Number, Y-Lake Number, Z-Bay Number  
 LAKE NAME: Name of Lake NS: Number of Readings MIN: Minimum Secchi Reading (ft)  
 SITE: Monitoring Location on Lake MEAN: Mean Secchi Transparency (ft) MAX: Maximum Secchi Reading (ft)

34-0249	Mary	201	13	1.6	1.0	3.0	Ackerman, Jim
34-0158-02	Mud	202	4	5.4	5.0	5.5	Wright, Russ
34-0154	Nest	205	9	5.8	3.0	12.1	Lovold, Dean
34-0251	Norway	201	12	3.4	1.5	6.0	Kaye, John
34-0251	Norway	202	13	1.8	1.5	3.0	Yeo, Greg & Rhett
34-0251	Norway	203	8	3.9	2.0	6.5	Torison, George
34-0193	Point	201	2	9.5	7.5	11.5	Roberts, Dave
34-0283	Saint Johns	201	4	3.5	1.0	5.5	Petersen, Darrell
34-0196	Skataas	201	14	2.4	1.5	3.5	Tornquist, Barb & Lowell
34-0169-03	WAGONGA(MAIN BASIN)	201	15	3.4	0.8	5.5	Druskin, Marilee
34-0245	West Solomon	201	8	1.6	1.5	2.5	Williamson, Robert
34-0180	Willmar	201	8	1.1	1.0	1.5	Williamson, Robert

## LAKE County

Lake ID	Lake Name	Site	Summer				Volunteer
			NS	Mean	Min	Max	
38-0011	Agamok	202	1	16.0	16.0	16.0	High Adventure Camp, Northern Tier
38-0365	Ahmakose	201	1	22.5	22.5	22.5	High Adventure Camp, Northern Tier
38-0330	Alice	101	1	11.5	11.5	11.5	High Adventure Camp, Northern Tier
38-0330	Alice	200	1	8.6	8.6	8.6	High Adventure Camp, Northern Tier
38-0330	Alice	201	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
38-0330	Alice	203	1	10.5	10.5	10.5	High Adventure Camp, Northern Tier
38-0330	Alice	206	1	11.0	11.0	11.0	High Adventure Camp, Northern Tier
38-0645	Basswood	101	1	7.3	7.3	7.3	High Adventure Camp, Northern Tier
38-0645	Basswood	200	10	11.8	8.0	16.5	High Adventure Camp, Northern Tier
38-0645	Basswood	203	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier
38-0645	Basswood	204	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier
38-0645	Basswood	205	3	15.3	10.0	18.0	High Adventure Camp, Northern Tier
38-0645	Basswood	206	1	5.0	5.0	5.0	High Adventure Camp, Northern Tier
38-0645	Basswood	208	1	11.0	11.0	11.0	High Adventure Camp, Northern Tier
38-0645	Basswood	210	2	10.5	10.0	11.0	High Adventure Camp, Northern Tier
38-0645	Basswood	212	1	11.5	11.5	11.5	High Adventure Camp, Northern Tier
38-0645	Basswood	213	2	7.5	4.0	11.0	High Adventure Camp, Northern Tier
38-0645	Basswood	214	5	6.0	5.5	6.5	High Adventure Camp, Northern Tier
38-0645	Basswood	217	1	5.5	5.5	5.5	High Adventure Camp, Northern Tier
38-0645	Basswood	223	2	10.0	9.5	10.5	High Adventure Camp, Northern Tier
38-0645	Basswood	226	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier
38-0645	Basswood	227	1	9.0	9.0	9.0	High Adventure Camp, Northern Tier
38-0645	Basswood	228	1	7.5	7.5	7.5	High Adventure Camp, Northern Tier

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38-0645	Basswood	231	1	12.5	12.5	12.5	High Adventure Camp, Northern Tier
38-0645	Basswood	232	1	7.5	7.5	7.5	High Adventure Camp, Northern Tier
38-0645	Basswood	236	1	10.5	10.5	10.5	High Adventure Camp, Northern Tier
38-0645	Basswood	241	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
38-0645	Basswood	250	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
38-0532	Birch	200	2	19.5	17.0	22.0	High Adventure Camp, Northern Tier
38-0532	Birch	202	2	13.9	13.7	14.0	High Adventure Camp, Northern Tier
38-0532	Birch	203	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier
38-0532	Birch	204	1	14.5	14.5	14.5	High Adventure Camp, Northern Tier
38-0532	Birch	205	1	13.0	13.0	13.0	High Adventure Camp, Northern Tier
38-0532	Birch	208	1	10.0	10.0	10.0	High Adventure Camp, Northern Tier
38-0532	Birch	210	1	15.5	15.5	15.5	High Adventure Camp, Northern Tier
38-0521	Carp	202	2	5.2	5.0	5.5	High Adventure Camp, Northern Tier
38-0521	Carp	204	2	11.8	11.5	12.0	High Adventure Camp, Northern Tier
38-0521	Carp	205	2	11.3	9.6	13.0	High Adventure Camp, Northern Tier
38-0166	Cherry	200	1	16.0	16.0	16.0	High Adventure Camp, Northern Tier
38-0166	Cherry	201	1	18.5	18.5	18.5	High Adventure Camp, Northern Tier
38-0817	Crooked	200	2	8.5	8.0	9.0	High Adventure Camp, Northern Tier
38-0817	Crooked	202	1	8.4	8.4	8.4	High Adventure Camp, Northern Tier
38-0817	Crooked	203	1	9.0	9.0	9.0	High Adventure Camp, Northern Tier
38-0817	Crooked	205	1	8.0	8.0	8.0	High Adventure Camp, Northern Tier
38-0391	Dix	202	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier
38-0187	Eddy	200	1	17.0	17.0	17.0	High Adventure Camp, Northern Tier
38-0187	Eddy	201	4	18.4	15.5	20.0	High Adventure Camp, Northern Tier
38-0187	Eddy	202	3	20.0	16.0	22.0	High Adventure Camp, Northern Tier
38-0187	Eddy	203	1	24.0	24.0	24.0	High Adventure Camp, Northern Tier
38-0187	Eddy	204	5	14.3	13.5	15.0	High Adventure Camp, Northern Tier
38-0187	Eddy	205	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
38-0187	Eddy	206	1	8.0	8.0	8.0	High Adventure Camp, Northern Tier
38-0187	Eddy	207	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
38-0126	Elton	200	1	11.0	11.0	11.0	High Adventure Camp, Northern Tier
38-0126	Elton	201	1	17.0	17.0	17.0	High Adventure Camp, Northern Tier
38-0498	Ensign	200	4	10.2	7.5	12.3	High Adventure Camp, Northern Tier
38-0498	Ensign	201	1	23.0	23.0	23.0	High Adventure Camp, Northern Tier
38-0498	Ensign	202	1	9.5	9.5	9.5	High Adventure Camp, Northern Tier
38-0498	Ensign	203	1	7.5	7.5	7.5	High Adventure Camp, Northern Tier
38-0498	Ensign	204	2	10.3	9.0	11.5	High Adventure Camp, Northern Tier

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38-0498	Ensign	206	4	8.6	7.0	9.5	High Adventure Camp, Northern Tier
38-0498	Ensign	207	4	11.6	9.0	14.0	High Adventure Camp, Northern Tier
38-0498	Ensign	208	2	11.8	11.5	12.0	High Adventure Camp, Northern Tier
38-0498	Ensign	210	3	10.2	8.0	13.5	High Adventure Camp, Northern Tier
38-0498	Ensign	211	1	9.0	9.0	9.0	High Adventure Camp, Northern Tier
38-0207	Ester	200	1	20.0	20.0	20.0	High Adventure Camp, Northern Tier
38-0207	Ester	203	2	20.3	18.0	22.5	High Adventure Camp, Northern Tier
38-0207	Ester	206	1	25.0	25.0	25.0	High Adventure Camp, Northern Tier
38-0779	Farm	202	15	6.3	5.5	7.5	Delaney, Bob
38-0779	Farm	203	9	5.3	4.5	5.5	Behnke, Gene
38-0779	Farm	204	9	6.7	5.5	8.5	Behnke, Gene
38-0528	Four	202	1	8.0	8.0	8.0	Bannerman, Roger
38-0813	Fourtown	204	1	6.5	6.5	6.5	High Adventure Camp, Northern Tier
38-0813	Fourtown	204	1	7.5	7.5	7.5	Sovell, Laurie
38-0813	Fourtown	206	1	5.5	5.5	5.5	High Adventure Camp, Northern Tier
38-0372	Fraser	101	1	13.0	13.0	13.0	High Adventure Camp, Northern Tier
38-0372	Fraser	200	2	14.3	12.5	16.0	High Adventure Camp, Northern Tier
38-0372	Fraser	201	2	12.0	11.0	13.0	High Adventure Camp, Northern Tier
38-0372	Fraser	202	2	12.2	11.0	13.5	High Adventure Camp, Northern Tier
38-0372	Fraser	204	1	11.5	11.5	11.5	High Adventure Camp, Northern Tier
38-0372	Fraser	207	1	11.5	11.5	11.5	High Adventure Camp, Northern Tier
38-0782	Garden	201	10	4.4	3.5	5.5	Mason, Watson (Bud)
38-0782	Garden	202	10	4.5	4.0	5.5	Mason, Watson (Bud)
38-0782	Garden	203	10	4.3	4.0	5.0	Mason, Watson (Bud)
38-0557	Grouse	201	5	6.1	5.5	6.5	Brekke, Gary
38-0206	Hanson	101	1	18.5	18.5	18.5	High Adventure Camp, Northern Tier
38-0792	Horse	202	1	11.0	11.0	11.0	High Adventure Camp, Northern Tier
38-0484	Hudson	200	2	8.5	8.5	8.5	Bannerman, Roger
38-0484	Hudson	201	1	8.8	8.8	8.8	Bannerman, Roger
38-0484	Hudson	201	1	10.0	10.0	10.0	High Adventure Camp, Northern Tier
38-0400	Ima	200	2	10.3	10.0	10.5	High Adventure Camp, Northern Tier
38-0400	Ima	202	1	19.0	19.0	19.0	High Adventure Camp, Northern Tier
38-0400	Ima	203	1	13.5	13.5	13.5	High Adventure Camp, Northern Tier
38-0400	Ima	204	2	13.5	13.0	14.0	High Adventure Camp, Northern Tier
38-0400	Ima	205	1	12.5	12.5	12.5	High Adventure Camp, Northern Tier
38-0400	Ima	207	2	10.6	8.5	12.8	High Adventure Camp, Northern Tier
38-0400	Ima	208	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier

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38-0194-01	JENNY (WEST BAY)	200	1	15.0	15.0	15.0	High Adventure Camp, Northern Tier
38-0194-01	JENNY (WEST BAY)	202	4	13.1	11.5	15.0	High Adventure Camp, Northern Tier
38-0242	Johnson	201	9	11.9	10.0	14.0	Environmental Learning Center, Wolf Ridge
38-0511	Jordan	200	1	10.0	10.0	10.0	High Adventure Camp, Northern Tier
38-0226	Kekekabic	200	7	19.6	15.0	24.5	High Adventure Camp, Northern Tier
38-0226	Kekekabic	201	4	19.2	17.5	21.0	High Adventure Camp, Northern Tier
38-0226	Kekekabic	203	2	17.2	17.0	17.5	High Adventure Camp, Northern Tier
38-0226	Kekekabic	204	1	19.5	19.5	19.5	High Adventure Camp, Northern Tier
38-0226	Kekekabic	205	1	19.5	19.5	19.5	High Adventure Camp, Northern Tier
38-0226	Kekekabic	208	3	18.0	12.0	21.5	High Adventure Camp, Northern Tier
38-0226	Kekekabic	210	2	19.0	15.0	23.0	High Adventure Camp, Northern Tier
38-0404	Knife	200	37	21.6	14.5	30.5	High Adventure Camp, Northern Tier
38-0404	Knife	202	1	17.0	17.0	17.0	High Adventure Camp, Northern Tier
38-0404	Knife	203	7	22.9	20.0	28.5	High Adventure Camp, Northern Tier
38-0404	Knife	205	4	19.9	17.0	24.5	High Adventure Camp, Northern Tier
38-0404	Knife	206	1	24.0	24.0	24.0	High Adventure Camp, Northern Tier
38-0404	Knife	207	1	25.0	25.0	25.0	High Adventure Camp, Northern Tier
38-0404	Knife	208	2	19.2	19.0	19.5	High Adventure Camp, Northern Tier
38-0404	Knife	210	2	22.5	17.5	27.5	High Adventure Camp, Northern Tier
38-0404	Knife	215	2	20.3	18.5	22.0	High Adventure Camp, Northern Tier
38-0404	Knife	220	3	23.0	20.0	25.0	High Adventure Camp, Northern Tier
38-0404	Knife	222	1	27.5	27.5	27.5	High Adventure Camp, Northern Tier
38-0406	Lax	201	7	13.1	11.0	15.0	Linscheid, Jim
38-0147	Makwa	200	1	4.0	4.0	4.0	High Adventure Camp, Northern Tier
38-0147	Makwa	202	1	13.5	13.5	13.5	High Adventure Camp, Northern Tier
38-0650	Marble	201	11	6.6	5.5	7.5	Suoja, Bill
38-0398	Missionary	201	1	30.0	30.0	30.0	High Adventure Camp, Northern Tier
38-0398	Missionary	203	1	24.0	24.0	24.0	High Adventure Camp, Northern Tier
38-0644	Moose	101	1	7.0	7.0	7.0	High Adventure Camp, Northern Tier
38-0644	Moose	200	15	13.5	9.0	20.0	High Adventure Camp, Northern Tier
38-0644	Moose	202	3	14.5	12.0	17.0	High Adventure Camp, Northern Tier
38-0644	Moose	208	1	21.0	21.0	21.0	High Adventure Camp, Northern Tier
38-0644	Moose	210	3	11.0	9.5	12.5	High Adventure Camp, Northern Tier
38-0644	Moose	213	2	15.0	14.0	16.0	High Adventure Camp, Northern Tier
38-0619	Newfound	200	6	11.1	8.5	15.0	High Adventure Camp, Northern Tier
38-0619	Newfound	201	5	12.4	11.0	15.0	High Adventure Camp, Northern Tier
38-0619	Newfound	205	1	11.0	11.0	11.0	High Adventure Camp, Northern Tier

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38-0619	Newfound	213	3	11.5	10.5	12.5	High Adventure Camp, Northern Tier
38-0180	Ogishkemuncie	200	3	13.7	13.5	14.0	High Adventure Camp, Northern Tier
38-0180	Ogishkemuncie	201	2	10.0	10.0	10.0	High Adventure Camp, Northern Tier
38-0180	Ogishkemuncie	204	2	13.3	12.0	14.5	High Adventure Camp, Northern Tier
38-0180	Ogishkemuncie	206	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier
38-0211	Ottertrack	200	7	16.3	10.5	22.0	High Adventure Camp, Northern Tier
38-0211	Ottertrack	204	1	20.0	20.0	20.0	High Adventure Camp, Northern Tier
38-0151	Pan	202	1	9.0	9.0	9.0	High Adventure Camp, Northern Tier
38-0150	Panhandle	200	1	7.0	7.0	7.0	High Adventure Camp, Northern Tier
38-0786	Sandpit	200	5	15.5	13.0	18.0	High Adventure Camp, Northern Tier
38-0786	Sandpit	202	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier
38-0381	Skoota	201	1	14.0	14.0	14.0	High Adventure Camp, Northern Tier
38-0778	South Farm	201	15	5.7	5.0	6.5	Delaney, Bob
38-0531	Splash	200	1	6.0	6.0	6.0	High Adventure Camp, Northern Tier
38-0531	Splash	201	2	8.7	8.5	9.0	High Adventure Camp, Northern Tier
38-0531	Splash	202	1	10.0	10.0	10.0	High Adventure Camp, Northern Tier
38-0388	Spoon	202	1	10.5	10.5	10.5	High Adventure Camp, Northern Tier
38-0744	Stewart	202	5	10.0	9.5	11.0	Starr, Linda
38-0744	Stewart	202	4	9.9	9.0	11.5	Svanda, Kathy
38-0530	Sucker	200	6	12.4	11.0	15.0	High Adventure Camp, Northern Tier
38-0530	Sucker	201	2	11.5	11.0	12.0	High Adventure Camp, Northern Tier
38-0530	Sucker	203	1	9.5	9.5	9.5	High Adventure Camp, Northern Tier
38-0351	Thomas	200	11	15.5	7.5	24.0	High Adventure Camp, Northern Tier
38-0351	Thomas	203	4	14.5	11.0	19.0	High Adventure Camp, Northern Tier
38-0351	Thomas	204	1	12.5	12.5	12.5	High Adventure Camp, Northern Tier
38-0351	Thomas	206	1	13.5	13.5	13.5	High Adventure Camp, Northern Tier
38-0351	Thomas	208	1	12.0	12.0	12.0	High Adventure Camp, Northern Tier
38-0785	Tin Can Mike	201	2	6.5	6.5	6.5	High Adventure Camp, Northern Tier
38-0608	Two	203	1	7.0	7.0	7.0	Bannerman, Roger
38-0491	Vera	200	2	20.5	20.0	21.0	High Adventure Camp, Northern Tier
38-0491	Vera	201	1	15.5	15.5	15.5	High Adventure Camp, Northern Tier
38-0491	Vera	202	3	13.2	12.5	14.5	High Adventure Camp, Northern Tier
38-0491	Vera	203	1	17.0	17.0	17.0	High Adventure Camp, Northern Tier
38-0491	Vera	204	1	20.0	20.0	20.0	High Adventure Camp, Northern Tier
38-0047	Wilson	201	4	13.2	12.5	15.0	Kingston, Tom & Mary
38-0642	Wind	200	4	10.1	8.0	12.5	High Adventure Camp, Northern Tier
38-0642	Wind	201	2	10.5	10.0	11.0	High Adventure Camp, Northern Tier

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38-0642	Wind	202	2	7.0	6.5	7.5	High Adventure Camp, Northern Tier
38-0361	Wisini	200	1	16.0	16.0	16.0	High Adventure Camp, Northern Tier

## LAKE OF THE WOODS County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
39-0002-01	LAKE OF THE WOODS (WHOLE)	209	4	3.1	1.5	4.0	Johnson, David

## LE SUEUR County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
40-0092-01	East Jefferson	206	4	8.6	4.5	12.0	Pederson, Ben
40-0124	Emily	202	16	3.5	2.5	5.0	Schwichtenberg, Paul
40-0051	Fish	201	9	12.5	10.5	17.0	Roessler, Charles & Genevieve
40-0057	Frances	202	12	7.7	5.5	12.0	Hanson, Roger
40-0057	Frances	202	5	8.1	6.5	13.5	Houlihan, Dan
40-0001	Horseshoe	201	7	6.9	3.0	14.0	Hering, Diana & Dave
40-0001	Horseshoe	202	12	8.5	8.0	9.5	Bembenek, Leon
40-0092-04	Middle Jefferson	204	6	3.6	2.0	5.5	Nerison, Larry
40-0056	Rays	201	3	4.2	1.5	8.0	Klages, Tim
40-0109	Scotch	201	5	4.3	2.5	5.5	Hausenbauer, Tom
40-0092-03	Swede's Bay	204	5	0.5	0.5	0.5	Gardner, Doug
40-0031	Tetonka	103	6	8.5	5.0	12.0	Wangen, Roy
40-0031	Tetonka	104	6	8.0	5.0	10.0	Wangen, Roy
40-0031	Tetonka	205	8	9.4	4.0	15.0	Schwake, Gene & Bonnie
40-0031	Tetonka	206	8	10.2	6.5	15.0	Schwake, Gene & Bonnie
40-0002	Upper Sakatah	202	17	2.4	2.0	3.0	Heimerl, Ty & Joe
40-0033	Volney	203	6	12.0	7.0	16.0	Gullickson, Robert
40-0117	Washington	203	14	4.9	3.0	8.0	Schwarck, Greg
40-0117	Washington	205	9	4.5	2.0	10.5	Riessen, Reinhard
40-0117	Washington	207	8	3.2	2.0	8.5	Engels, Greg
40-0092-02	West Jefferson	201	8	3.1	2.0	5.5	West, Warren (Buster)
40-0092-02	West Jefferson	202	8	3.0	2.0	6.5	West, Warren (Buster)
40-0092-02	West Jefferson	203	8	3.0	1.5	6.0	West, Warren (Buster)
40-0092-02	West Jefferson	204	8	3.5	1.5	12.0	West, Warren (Buster)

## LINCOLN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
41-0021-01	Dead Coon (Main Lake)	201	8	2.1	1.5	3.0	Madsen, Ron
41-0089	Shaokotan	201	8	4.1	2.0	8.5	Hanson, Mark
41-0089	Shaokotan	203	8	4.0	2.0	9.5	Hanson, Mark

### Legend:

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LAKE NAME: Name of Lake

NS: Number of Readings

MIN: Minimum Secchi Reading (ft)

SITE: Monitoring Location on Lake

MEAN: Mean Secchi Transparency (ft)

MAX: Maximum Secchi Reading (ft)

## LYON County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
42-0070	East Twin	201	3	8.0	6.0	10.0	Swenson, Mark
42-0047	Yankton	204	4	1.2	1.0	1.5	Swenson, Mark

## MAHNOMEN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
44-0006	Bass	201	4	12.6	8.5	16.5	Graham, Terry
44-0038	Island	206	8	6.5	5.0	10.0	Puffinberger, Charles
44-0038	Island	207	8	6.8	5.0	10.5	Puffinberger, Charles
44-0169	Little Vanose	201	9	15.3	6.0	20.0	Larson, Ronald
44-0001	Roy	202	14	6.6	5.0	9.0	Brown, Richard

## MARTIN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
46-0030	Budd	202	6	5.4	2.5	11.5	Segar, David
46-0109	Fox	203	15	4.2	2.5	10.5	Peters, Ken
46-0031	Hall	201	11	5.6	2.5	10.0	Shelgren, David
46-0020	South Silver	201	7	1.1	0.5	2.0	Senenfelder, Gloria & Jim
46-0020	South Silver	202	7	1.6	0.5	2.5	Senenfelder, Gloria & Jim
46-0020	South Silver	203	12	3.1	2.0	6.0	Hand, Ernest

## MCLEOD County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
43-0073	Hook	201	10	1.5	1.0	2.0	Bombeck, Jim
43-0073	Hook	202	8	1.9	1.0	3.0	Pendergast, Butch
43-0084	Marion	102	6	4.2	3.0	5.5	Schwarze, John
43-0085-01	OTTER (MAIN BASIN)	101	2	1.5	1.5	1.5	Cross, Tim
43-0034	Silver	203	12	0.7	0.5	1.0	Foss, Pam
43-0012	Winsted	203	4	4.0	2.0	8.0	Zachmann, Ronald

## MEEKER County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
47-0049-01	Belle Lake	202	30	3.2	2.3	4.5	Hanson, Jory
47-0049-01	Belle Lake	202	8	3.9	3.0	5.5	Nieland, Roger
47-0038	Big Swan	201	10	2.8	1.5	5.5	Koehnen, Wayne
47-0038	Big Swan	202	10	2.7	2.0	4.0	Koehnen, Wayne
47-0095	Clear	203	15	1.2	1.0	1.5	Burtness, Wayne
47-0002	Francis	202	26	6.8	4.5	13.0	Knox, Brian

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47-0002	Francis	202	10	7.6	5.0	10.5	LaChance, Frank
47-0177	Long	202	18	0.8	0.8	1.0	Hanson, Roger
47-0050	Manuella	201	12	8.0	4.0	13.0	Schwinger, Bob
47-0040	Mud	201	12	5.7	4.5	7.0	Melinsky, Larry
47-0088	Richardson	201	12	4.0	1.5	8.5	Horwath, Gary
47-0134-02	Ripley (west portion)	205	10	6.5	3.5	11.5	Daniels, Dick
47-0032	Spring	201	7	3.6	2.0	5.0	Scepaniak, David
47-0129	Star	201	9	1.5	1.0	2.0	Dougherty, Dan
47-0129	Star	201	9	1.5	1.0	2.0	Henke, Dave
47-0068	Stella	201	8	7.6	6.0	9.0	Raabe, Henry (Hap)
47-0068	Stella	202	9	8.8	5.5	10.5	Leonard, Diane
47-0068	Stella	202	15	7.9	6.0	12.0	Schuster, N. Jack
47-0046	Washington	210	10	4.2	3.0	5.0	Leonard, Diane

## MILLE LACS County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
48-0002	Mille Lacs	209	5	12.5	9.0	15.0	Fritz, David
48-0002	Mille Lacs	213	9	9.3	7.5	11.0	Adair, Richard
48-0002	Mille Lacs	219	9	9.1	6.5	13.5	Snow-Miller, Kathy

## MORRISON County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
49-0079	Alexander	201	3	17.2	17.0	17.5	Schindele, Jim
49-0079	Alexander	204	6	15.6	11.0	22.0	Ness, Dale
49-0079	Alexander	205	6	15.7	11.0	21.0	Schenian, Gordon
49-0133	Crookneck	202	10	10.9	8.0	14.5	Rabe, Adolph
49-0137	Fish Trap	204	12	11.3	4.0	27.0	Fogelberg, Jim
49-0035	Green Prairie Fish	201	17	7.4	3.5	12.0	Fogle, Bruce
49-0005	Peavy	202	2	11.5	11.0	12.0	Nagel, Kori
49-0024	Pierz	203	9	8.2	6.5	10.5	Spiczka, Jim
49-0056	Round	202	7	11.0	8.0	12.5	Halverson, Wayne & Kathy
49-0127	Shamineau	204	4	14.6	13.0	16.0	Doree, Alderic
49-0016	Sullivan	205	5	8.6	8.5	9.0	Ingham, Bill

## MURRAY County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
51-0040	Bloody	201	16	2.1	1.0	3.0	Sauer, Bill
51-0046	Shetek	207	7	0.8	0.5	1.0	Radke, Wes

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## NICOLLET County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
52-0001	Hallett	201	15	11.6	7.0	17.0	Olmanson, Trudi

## OLMSTED County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
55-0006	Bamber	201	6	21.1	19.0	23.0	Stewart, Howard
55-0006	Bamber	202	5	20.5	17.5	24.0	Stewart, Howard
55-0025	Manor Woods Pond	201	1	3.0	3.0	3.0	Kautz, Robin
55-0024-01	Mayo Pond	201	1	5.0	5.0	5.0	Kautz, Robin
55-0024-02	North Central Pond	201	1	5.0	5.0	5.0	Kautz, Robin
55-0005	Shady	203	2	1.2	1.0	1.5	Gregor, Nathan
55-0003	Silver	201	6	2.6	1.5	3.5	Frederickson, Mark
55-0024-03	South Central Pond	201	1	11.5	11.5	11.5	Kautz, Robin
55-0020	WR4 Pond	201	3	2.7	2.0	3.5	Pilgrim, Jeff
55-0004	Zumbro	201	6	6.4	4.5	8.5	Fuller, Ron
55-0004	Zumbro	204	6	2.2	1.5	3.0	Fuller, Ron
55-0004	Zumbro	207	9	7.3	5.0	10.0	Ward, Nicole
55-0004	Zumbro	208	6	5.2	2.5	10.0	Fuller, Ron
55-0004	Zumbro	209	6	6.2	4.5	10.5	Fuller, Ron

## OTTER TAIL County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
56-0867	Alice	201	4	5.1	2.5	6.0	Eisinger, Dr. Lawrance
56-1149	Berger	201	7	6.2	5.0	8.5	Kalinoski, Van
56-0386-01	Big McDonald	201	3	14.5	14.0	15.5	Brokke, Keith
56-0386-03	Big McDonald #2	201	7	12.7	10.0	16.0	Borgerding, George
56-0130	Big Pine	202	15	7.8	5.0	13.5	Taylor, George
56-0130	Big Pine	204	5	8.0	6.0	12.0	Hermanson, Michael
56-0130	Big Pine	205	15	8.4	5.5	14.5	Taylor, George
56-0130	Big Pine	206	15	8.1	5.0	15.5	Taylor, George
56-0240	Blanche	202	13	16.4	13.5	19.5	Ramsey, Bill
56-0079	Block	202	6	7.9	5.0	15.3	Konrad, Richard
56-0559	Clear	202	7	7.7	6.0	11.0	Perry, Donald
56-0559	Clear	202	11	6.5	5.0	8.5	Roubik, Bill
56-0238	Clitherall	202	5	15.7	12.5	17.5	Weber, William
56-0238	Clitherall	207	8	15.4	12.5	19.5	Cummings, Gary
56-0749	Crystal	202	9	12.8	9.5	16.5	Bertschi, Barb

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56-0383	Dead	205	14	11.6	8.0	18.0	Hansen, Les
56-0298	Deer	201	4	12.1	11.5	13.0	Long, Ray
56-0253	Eagle	202	6	18.3	17.0	20.0	Beech, Jim
56-0523	East Loon	201	16	11.3	10.0	13.0	Oehlerking, Richard
56-0523	East Loon	202	16	8.0	6.5	11.0	Oehlerking, Richard
56-0523	East Loon	203	16	12.8	9.5	18.5	Oehlerking, Richard
56-0378-01	EAST LOST (N. BAY)	202	4	12.1	12.0	12.5	Thiel, Albert
56-0378-01	EAST LOST (N. BAY)	203	4	11.9	11.5	12.5	Thiel, Albert
56-0378-02	EAST LOST (S. BAY)	201	15	10.8	8.5	12.5	Boldingh, Terry
56-0378-02	EAST LOST (S. BAY)	202	15	10.5	9.0	13.0	Boldingh, Terry
56-0378-02	EAST LOST (S. BAY)	203	15	12.3	10.0	14.0	Boldingh, Terry
56-0517	East Silent	201	4	16.0	12.0	17.5	Gerold, Janna
56-0501	East Spirit	201	13	15.6	13.5	16.5	Wenzel, Julie
56-0306	Elbow	201	3	17.3	17.0	18.0	Mauch, Jeff
56-0193	Ethel	201	3	18.7	18.0	20.0	Behr, Scott & Laurie
56-0302-01	First Silver	202	8	11.3	8.0	14.5	Matteson, John
56-0768	Fish	203	13	12.1	9.5	16.0	Wambach, Joseph
56-0430	Fiske	201	7	7.6	6.0	9.5	Hacker, Greg
56-0695	Heilberger	201	4	12.3	12.0	13.0	Butterfield, Troy Workman & Ralph
56-0695	Heilberger	202	4	10.1	9.0	11.5	Butterfield, Troy Workman & Ralph
56-0639	Indian	201	9	10.6	7.0	17.0	Ario, H. Charles
56-0639	Indian	202	6	14.3	9.0	20.0	Johnson, Wayne
56-0651	Larson	201	8	5.7	3.0	13.0	Ario, H. Charles
56-0532-02	Leek	201	3	11.0	9.0	12.5	Jahnke, Mike
56-0328	Little McDonald	202	4	26.5	22.0	30.0	Haider, James & Benita
56-0328	Little McDonald	203	4	26.5	22.0	30.0	Haider, James & Benita
56-0328	Little McDonald	204	4	25.1	20.5	28.0	Haider, James & Benita
56-0761	Little Pelican	201	9	7.1	5.5	11.0	Manuel, Fred
56-0142	Little Pine	201	2	6.5	6.5	6.5	Gunderson, Les & Jean
56-0142	Little Pine	201	4	8.0	5.5	12.0	Murray, Bob
56-0574	Long	201	9	10.1	6.0	15.5	Ames, Earl
56-0390	Long	201	6	11.5	10.0	16.5	Babcock, Chuck
56-0390	Long	201	7	13.8	10.5	23.5	Scott, Sean
56-0388-02	Long (main lake)	202	4	8.1	5.0	11.5	Bennett, Jerry
56-0243	Marion	205	15	11.8	9.0	16.5	Lysne, Duane
56-0243	Marion	206	15	10.2	7.0	16.5	Lysne, Duane
56-0252	Middle	202	3	13.8	13.5	14.0	Schulenberg, Tom

**Legend:**

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56-0116-01	Middle Leaf	201	4	9.8	7.5	11.0	Anderson, Curt
56-0747-01	North Lida	202	15	9.9	9.0	11.5	Heller, Terry
56-0747-01	North Lida	204	5	13.1	7.0	17.0	Abrahamson, Alver
56-0747-01	North Lida	208	6	13.9	8.0	20.0	Abrahamson, Alver
56-0379	North Turtle	201	5	4.5	2.5	12.0	Aasen, Lynn
56-0242	Otter Tail	201	4	11.4	10.0	12.0	Sliper, Jeff
56-0242	Otter Tail	208	4	12.4	10.0	14.0	Hawkinson, Ann
56-0335	Paul	201	9	19.0	16.5	21.0	Tolkinen, Erv
56-0335	Paul	202	9	18.4	16.0	21.0	Tolkinen, Erv
56-0786	Pelican	205	8	11.7	7.5	16.5	Mueller, Jim
56-0786	Pelican	208	8	12.5	7.0	16.2	Mueller, Jim
56-0475	Pickerel	202	11	12.1	8.0	14.5	Falconer, Keith
56-0475	Pickerel	203	11	12.1	8.0	14.5	Falconer, Keith
56-0475	Pickerel	204	11	12.0	7.5	14.5	Falconer, Keith
56-0360	Rose	202	6	9.8	7.5	14.5	Hogan, Stephanie
56-0360	Rose	203	6	10.3	7.5	15.0	Hogan, Stephanie
56-0358	Scalp	201	6	24.5	22.7	28.0	Overland, Greg
56-0369	Six	203	7	26.9	24.0	30.5	Ogard, Greg
56-0747-02	South Lida	201	14	8.3	6.0	16.0	Spangler, Mike
56-0747-02	South Lida	202	14	8.5	6.0	13.0	Spangler, Mike
56-0377	South Turtle	201	6	18.9	18.0	21.0	Worum, Chuck
56-0437	Stalker	203	1	11.0	11.0	11.0	Grothe, Dennis
56-0385	Star	201	8	14.3	8.0	24.0	Herron, Carolyn
56-0385	Star	202	9	13.0	11.0	17.5	Preston, Arlette
56-0385	Star	205	8	15.4	8.5	23.5	Herron, Carolyn
56-0191-02	STUART (LITTLE W. BAY)	201	8	13.6	10.0	19.0	Henderson, Donald
56-0191-01	STUART (MAIN BASIN)	202	8	12.2	9.0	16.0	Henderson, Donald
56-0781	Swan	202	8	11.6	9.5	14.0	Wright, Grace
56-0387	Sybil	201	10	17.0	13.5	21.0	Cruff, Gary
56-0387	Sybil	202	10	17.7	16.0	20.5	Cruff, Gary
56-0387	Sybil	203	10	17.4	15.0	20.5	Cruff, Gary
56-0931	Tamarac	201	3	8.3	7.0	10.0	Solga, Michelle
56-0613	Ten Mile	201	4	8.5	4.5	17.5	Goldenstein, Bob
56-0251	Torgerson	201	4	13.7	13.5	14.0	Schulenberg, Tom
56-0251	Torgerson	202	4	13.7	13.5	14.0	Schulenberg, Tom
56-0532-01	Trowbridge	203	3	9.3	7.5	11.5	Jahnke, Mike
56-0658	Wall	203	7	6.8	5.5	8.0	Jungroth, Vernon & Dorothy

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56-0658	Wall	204	7	7.6	6.5	8.0	Jungroth, Vernon & Dorothy
56-0239	West Battle	201	16	13.1	10.0	16.5	Horgen, Dr. Jerry
56-0239	West Battle	202	16	13.1	10.5	16.5	Horgen, Dr. Jerry
56-0239	West Battle	203	16	12.9	11.0	15.0	Horgen, Dr. Jerry
56-0386-02	West McDonald	202	6	20.5	15.0	27.0	Condon, Kevin

## PINE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
58-0138	Big Pine	201	17	4.6	3.0	8.8	Huber, Charles
58-0119	Cross	201	4	3.7	3.0	5.5	Trent, Jerald
58-0073	Dago	201	2	10.3	10.0	10.5	Tuthill, Greg
58-0068	Eleven	201	14	9.8	5.5	18.0	Kastner, C. Richard
58-0123	Grindstone	203	16	14.0	11.5	17.0	Spong, Ron
58-0123	Grindstone	206	16	13.6	11.0	16.5	Spong, Ron
58-0062	Island	207	8	7.5	4.0	10.0	Erickson, Don & Jan
58-0129	Little Pine	201	3	6.0	5.5	6.5	Scott, Mr. & Mrs. Glen
58-0038	Net	201	1	2.8	2.8	2.8	Ruud, David
58-0048	Oak	202	3	3.5	3.0	4.0	Ecklund, Allen
58-0142	Pokegama	211	13	4.1	2.0	8.0	Royce, Charles & Pauline
58-0136	Rhine	201	11	3.5	3.5	3.5	Razskazoff, Don
58-0078	Rush	203	3	12.5	10.5	13.5	Abrahamson, Mike
58-0081	Sand	204	4	10.6	8.5	14.0	Dee, Pauline
58-0067	Sturgeon	204	7	13.7	9.5	18.0	Schroeder, Harlan
58-0067	Sturgeon	205	7	13.8	9.5	18.0	Schroeder, Harlan
58-0067	Sturgeon	206	4	13.2	11.0	17.0	Goettsch, Ron
58-0067	Sturgeon	207	4	13.2	11.0	17.0	Goettsch, Ron
58-0024	Tamarack	201	14	17.9	13.0	23.0	Pearson, Debbie & Kim
58-0130	Upper Pine	202	6	6.5	6.2	7.0	Gangl, Raymond

## POLK County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
60-0305	Maple	204	3	3.8	3.0	4.5	Dahle, Edward
60-0305	Maple	205	3	3.3	3.0	3.5	Dahle, Edward
60-0202	Sarah	203	8	13.4	8.5	26.0	Bailey, Jack
60-0217	Union	201	8	9.5	7.5	13.5	Eide, Verna
60-0217	Union	204	6	14.5	8.0	20.0	Bratrud, Doug

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## POPE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
61-0064	Amelia	204	5	16.0	12.0	19.0	Hoffman, David
61-0122	Ann	201	5	8.6	4.0	12.0	Howe, Mike
61-0072	Gilchrist	201	16	3.8	2.0	10.5	Heimkes, Richard
61-0092	Hoff	201	3	9.5	9.0	10.5	Swartz, Greg
61-0066	Leven	203	6	5.1	3.0	10.0	Brown, Bruce
61-0037	Linka	202	5	13.6	6.0	20.0	Griffin, Richard & Florence
61-0060	Marlu	201	2	9.3	5.5	13.0	Morton, John
61-0130	Minnewaska	208	5	12.5	7.5	15.0	Jones, Robert
61-0130	Minnewaska	209	12	11.5	7.0	17.0	Walters, Steve
61-0130	Minnewaska	210	5	12.9	11.0	14.0	Jones, Robert
61-0130	Minnewaska	211	5	11.2	7.0	14.5	Jones, Robert
61-0130	Minnewaska	212	5	11.4	7.0	14.0	Jones, Robert
61-0111	Pelican	203	9	5.2	4.0	8.0	Mueller, Robert
61-0111	Pelican	204	9	3.5	2.8	5.0	Magnus, Doug
61-0111	Pelican	205	9	3.3	2.5	4.5	Magnus, Doug
61-0078	Reno	201	4	9.9	7.0	12.0	Redman, Sandra & Dennis
61-0041	Scandinavian	202	15	7.2	6.0	9.0	Gustafson, Roy
61-0034	Simon	202	9	1.2	0.5	3.0	Emmings, Shawn
61-0067	Villard	205	7	5.6	4.0	8.5	Palmquist, Terry

## RAMSEY County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
62-0002	Bald Eagle	206	11	5.6	3.0	9.0	Doran, Mike
62-0002	Bald Eagle	207	3	2.8	2.5	3.0	Mottl, Greg
62-0002	Bald Eagle	208	9	4.3	3.0	6.0	Weber, Marty
62-0002	Bald Eagle	209	6	6.7	4.0	9.5	Moore, Jim
62-0080	Emily	201	5	4.4	4.0	5.5	Moller, Karlind
62-0095	Evergreen Ponds	201	2	7.5	7.0	8.0	Nees, Terry
62-0007	Gervais	203	8	6.9	2.5	11.0	Petersen, Jonathan
62-0027	Gilfillan	201	8	1.5	1.0	2.5	Reed, Susan
62-0034	Goose	201	8	0.8	0.5	1.0	Hafdahl, Richard
62-0078	Johanna	202	3	5.8	5.0	7.0	Gilbert, Caroline
62-0078	Johanna	203	3	6.2	5.0	8.0	Gilbert, Caroline
62-0057	Josephine	202	15	7.1	5.2	12.0	Kucera, Emil
62-0054	McCarron	202	17	11.8	7.0	20.0	McCarron, Chad

### Legend:

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62-0056	Owasso	206	8	5.1	3.5	8.5	Terry, Bob
62-0046	Pleasant	203	8	8.0	5.0	14.0	Kellin, R. Scott
62-0036	Priebe	202	3	1.2	1.0	1.5	Wilson, Scott
62-0001	Silver (East)	202	11	3.7	2.5	6.0	Anderson, Paul
62-0083	Silver (West)	205	6	3.5	2.0	7.5	Sausser, Patti
62-0073	Snail	201	1	12.0	12.0	12.0	Fox, Roger & Jason
62-0073	Snail	202	1	10.0	10.0	10.0	Fox, Roger & Jason
62-0061	Turtle	207	9	7.2	6.0	8.5	Gross, Gregory
62-0022	Unnamed	201	5	0.8	0.5	1.0	Stewart, Shannon

## REDWOOD County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
64-0150	Laura	201	16	2.6	1.5	3.5	Bernhardson, Marilyn
64-0150	Laura	202	16	2.7	1.5	4.0	Bernhardson, Marilyn
64-0150	Laura	203	16	2.5	1.5	3.5	Bernhardson, Marilyn

## RICE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
66-0008	Cannon	201	4	4.4	2.5	6.0	Luikens, Jan
66-0008	Cannon	208	4	3.2	2.0	5.0	Luikens, Jan
66-0052	Cedar	202	5	3.7	3.5	4.5	Bokelmann, Jim & Derek
66-0052	Cedar	206	13	3.1	2.0	5.5	Luehrs, Virgil
66-0052	Cedar	207	13	3.0	2.0	5.5	Luehrs, Virgil
66-0052	Cedar	208	12	3.1	2.5	5.5	Luehrs, Virgil
66-0052	Cedar	209	13	3.3	2.0	8.5	Luehrs, Virgil
66-0027	Circle	209	4	3.1	1.5	8.0	Anderson, Wendy
66-0027	Circle	210	4	2.0	1.5	3.0	Anderson, Wendy
66-0014	Dudley	203	3	8.5	7.5	9.5	Jarvis, John
66-0029	Fox	203	15	4.2	2.5	8.5	Stratmoen, Lois
66-0029	Fox	206	15	4.0	1.5	8.5	Stratmoen, Lois
66-0015	Kelly	201	3	8.2	7.5	9.0	Jarvis, John
66-0039	Mazaska	206	14	3.1	2.0	7.0	Bakos, James
66-0039	Mazaska	208	4	2.1	1.5	2.5	Smith, Jim
66-0018	Roberds	201	8	6.1	3.5	14.0	Tuma, Ted
66-0055	Shields	205	7	8.0	2.0	15.0	Elsen, Rick
66-0032	Union	201	5	1.8	1.5	2.5	Rushing, Naomi
66-0010	Wells	201	3	3.2	1.5	4.0	Wagner, George

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## SCOTT County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
70-0009	Krenz	201	10	8.5	5.0	13.5	Jorgensen, Holly
70-0026	Lower Prior	203	2	7.0	4.5	9.5	Modders, J. Nick
70-0113	Mill Pond	201	10	6.5	2.5	13.0	Hennen, Luke
70-0095	O'Dowd	201	17	5.3	2.5	8.5	Marschall, Jason
70-0072	Upper Prior	201	6	2.8	1.5	4.5	Modders, J. Nick
70-0072	Upper Prior	202	18	5.7	2.5	10.0	Fourre, Frank
70-0072	Upper Prior	203	6	4.7	2.5	8.0	Bergstrom, Kevin

## SHERBURNE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
71-0082	Big	201	15	9.2	8.0	11.0	Smith, Sanford
71-0057	Birch	204	3	7.8	5.0	10.5	Gangl, Keith
71-0146	Briggs	205	11	2.1	1.0	4.0	Ernzer, Harry
71-0123	Camp	201	7	11.3	7.0	15.0	Gill, Kathleen
71-0041	Cantlin	201	11	7.8	7.0	8.5	Patten, Peggy
71-0055	Elk	202	12	2.9	1.5	5.0	McDevitt, Dean
71-0141	Elk	204	9	1.9	1.0	3.0	Heinemann, Charles
71-0016	Fremont	204	14	1.5	1.0	4.5	White, Ron & Brenda
71-0145	Julia	203	17	1.7	1.0	2.5	Fors, Paul
71-0013-02	Lower Orono	206	4	2.5	2.0	3.0	Plant, Patrick
71-0158	Pickerel	201	7	8.1	6.0	9.5	Hentges, Bruce
71-0167	Round	201	12	11.6	9.0	13.0	Nawara, Sharon
71-0040	Sandy	204	10	18.3	14.5	24.5	Hefron, Molly
71-0013-01	Upper Orono	202	4	2.4	2.0	3.0	Plant, Patrick
71-0013-01	Upper Orono	204	4	2.6	2.0	3.5	Plant, Patrick
71-0013-01	Upper Orono	205	4	2.4	2.0	3.0	Plant, Patrick

## SIBLEY County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
72-0089	Clear	201	6	3.3	1.5	5.0	Graupman, Richard

## ST. LOUIS County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
69-0701	Aerie	204	5	8.8	8.0	10.0	Francis, Robert & Erick
69-0131	Alden	201	2	4.2	4.0	4.5	Furo, Mark
69-0278	Armstrong	201	7	23.6	22.0	25.0	Edwards, Bev

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69-0864	Ash	202	5	8.7	7.5	9.5	Maki, David
69-0041	Bassett	201	6	8.8	8.0	9.5	Swanson, Ken
69-0115	Bear Island	101	5	8.3	7.0	10.0	Olsen, David
69-0190	Big	201	7	9.8	9.0	10.5	Schneider, Eric
69-0190	Big	202	5	8.0	7.5	8.5	Schneider, Eric
69-0003	Birch	201	7	4.2	4.0	4.5	Vertefeuille-Cutler, Jean
69-0003	Birch	202	7	4.5	4.0	5.0	Fitzpatrick, John
69-0842	Black Duck	101	7	13.9	7.5	23.0	Reynolds, Jim
69-0128	Briar	201	7	8.1	6.5	9.0	Stanley, Charles & Barbara
69-0118	Burntside	201	7	23.5	18.5	26.5	Nyman, George
69-0118	Burntside	202	3	24.0	23.0	25.0	Plude, Walt
69-0118	Burntside	213	6	20.2	19.5	22.0	Bahnemann, David & Abbie
69-0118	Burntside	214	9	17.3	14.5	20.0	Gustad, Paul
69-0118	Burntside	215	8	16.5	14.0	19.0	Lilya, Lee
69-0545	Cameron	201	2	5.8	5.5	6.0	Musburger, Becky
69-0277	Clear	201	8	13.2	12.5	13.5	Aldrich, Douglas
69-0249	Colby	201	6	4.5	3.0	6.0	Leier, Darrell
69-0523	Dodo	201	10	16.5	14.0	19.0	Strum, Jerry
69-0285-01	Eagles Nest #1	201	13	18.5	13.0	21.5	Gervais, Gloria
69-0285-02	Eagles Nest #2	205	2	15.2	15.0	15.5	Urban, Andrew
69-0285-03	Eagles Nest #3	202	12	14.1	10.0	20.0	Rodorigo, Barbara
69-0285-03	Eagles Nest #3	203	12	13.6	9.0	21.0	Rodorigo, Barbara
69-0285-03	Eagles Nest #3	204	12	13.9	9.5	20.0	Rodorigo, Barbara
69-0285-03	Eagles Nest #3	206	12	12.8	9.5	18.0	Rodorigo, Barbara
69-0285-03	Eagles Nest #3	208	11	12.7	9.0	18.0	Rodorigo, Barbara
69-0218	Eagles Nest No. Four	202	6	19.9	18.0	22.5	Bertelson, Glenn
69-0378-01	East Vermilion	203	7	8.6	6.8	13.5	Lotz, Steven
69-0378-01	East Vermilion	204	6	7.9	6.0	11.3	Lotz, Steven
69-0378-01	East Vermilion	206	2	7.0	6.5	7.5	Marjanen, Karin & George
69-0378-01	East Vermilion	218	8	8.9	7.5	10.5	Hintz, Mel & Ellen
69-0378-01	East Vermilion	219	8	7.4	6.5	9.0	Hintz, Mel & Ellen
69-0810	Elephant	202	8	10.0	9.5	12.0	Brown, Peter
69-0660	Ely	202	6	16.7	14.0	18.5	Nyhus, John
69-0565	Esquagama	201	3	8.0	7.5	8.5	Nyhus, John
69-0119	First	201	1	7.0	7.0	7.0	Spencer, Sue
69-0394	Flowage	201	10	7.9	4.0	9.5	Stingl, Kathy
69-0511	Grand	202	1	9.5	9.5	9.5	Moore, Anne

**Legend:**

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69-0121	Iron	200	2	9.3	9.0	9.5	High Adventure Camp, Northern Tier
69-0121	Iron	203	1	10.0	10.0	10.0	High Adventure Camp, Northern Tier
69-0121	Iron	205	2	8.7	8.5	9.0	High Adventure Camp, Northern Tier
69-0889	Island	201	4	16.1	13.0	20.5	Kuryatnik, Steve & Helen
69-0889	Island	202	6	17.3	14.0	23.0	Erickson, Ron
69-0372-02	ISLAND RSVR.(E. BASIN)	202	3	5.0	5.0	5.0	Curran, Sarah & Stephanie
69-0372-02	ISLAND RSVR.(E. BASIN)	203	3	5.0	5.0	5.0	Curran, Sarah & Stephanie
69-0845	Kabetogama	201	1	10.0	10.0	10.0	Stebly, Edward & Lee
69-0224	Lac la Croix	203	1	10.5	10.5	10.5	High Adventure Camp, Northern Tier
69-0521	Leora	202	14	11.6	10.0	14.0	Proshek, Pat
69-0279	Little Armstrong	201	3	14.5	13.5	15.5	Cox, Gerald
69-0760	Little Johnson	201	2	7.8	7.5	8.0	Niemi, Kenneth & RosaLee
69-0066	Little Long	202	10	20.2	15.0	23.5	Buettner, Paul
69-0066	Little Long	203	12	22.9	16.0	29.5	Sadler, John & Jane
69-0732	Little Sand	201	11	4.0	3.0	6.0	Thompson, Sue
69-1290	Little Sturgeon	205	4	6.4	5.5	7.7	Schneider, Carl
69-0653	Long	202	15	10.3	8.0	14.0	Kishel, Thomas
69-0426	Loon	201	9	20.4	16.0	24.0	Saari, Dale
69-0426	Loon	202	9	19.9	16.5	23.0	Saari, Dale
69-0426	Loon	203	9	19.8	16.0	22.5	Saari, Dale
69-0556	Lost	201	3	14.5	13.0	16.5	Johnson, Dick
69-0721	Majestic	201	6	17.7	16.0	20.0	Bainter, Chuck
69-0700	Maple Leaf	203	10	10.4	9.0	12.0	Ebeling, Ira
69-0725	Mashkenode	101	12	4.5	3.5	7.0	Niska, Steven
69-0116	Mitchell	201	13	12.1	12.0	12.5	Fitzgerald, Francis
69-0078	Mudro	201	1	7.0	7.0	7.0	Sovell, Laurie
69-0693	Namakan	201	1	12.5	12.5	12.5	Paakh, Bruce
69-0693	Namakan	202	7	11.0	10.5	11.5	Hanson, Herb & Ivy
69-0011	Pequaywan	201	7	10.6	10.0	11.5	Mead, Scott & Phyl & Forest
69-0932	Perch	203	14	10.8	8.5	13.5	LaBonte, Arden
69-0490	Pike	201	8	12.3	10.5	14.0	Campbell, Peg
69-0490	Pike	202	9	11.8	10.5	14.5	Campbell, Peg
69-0490	Pike	203	9	11.7	9.5	13.5	Campbell, Peg
69-0848	Prairie	204	6	5.6	4.5	6.5	Hallberg, Ken
69-0848	Prairie	205	6	5.5	4.5	6.5	Hallberg, Ken
69-0848	Prairie	206	6	5.4	4.5	6.0	Hallberg, Ken
69-0848	Prairie	207	6	5.6	4.5	6.5	Hallberg, Ken

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69-0694	Rainy	203	3	8.2	7.5	8.5	Anderson, Paul
69-0081	Regenbogen	201	1	7.5	7.5	7.5	Spencer, Sue
69-0525	Rose	201	13	11.2	9.0	12.5	Lopez, Al
69-0429	Sabin (Embarrass Mine)	201	11	51.7	38.0	70.0	Stebly, Edward & Lee
69-0736	Sand	205	7	10.5	9.7	11.0	Stebly, Jodie
69-0617	Sand Point	201	5	7.2	6.5	7.5	Cooley, Diane
69-0546	Schubert	201	4	8.6	8.5	9.0	Berndt, Steven
69-0230	Schultz	203	8	17.1	13.5	20.0	Larson, Cheryl
69-0069	Shagawa	201	12	11.1	10.0	13.0	Zabinski, Eugene
69-0069	Shagawa	203	7	11.9	9.0	14.0	Scheuer, Bob
69-0933	Side	202	7	10.6	10.0	11.0	Olson, Charles & Jaye
69-0519	Side (Bowman)	201	9	5.5	5.0	6.0	Fait, Thomas
69-0662	Silver	202	9	11.0	7.5	15.5	Engel, Dan
69-0111	Smith	202	4	18.8	16.0	20.0	Brooks, Dale
69-0111	Smith	203	4	19.8	18.5	21.0	Brooks, Dale
69-0129	Spring	201	4	9.4	8.0	11.5	Stocco, Jeff
69-0651	St. Mary's	201	10	19.0	15.0	23.0	Kingston, Jane & Tom
69-0529	Strand	201	9	3.3	3.0	3.5	Rosenthal, Lois
69-0939-01	Sturgeon	202	10	13.7	11.5	15.0	Prusak, Michael
69-0104	Sunday	200	1	9.0	9.0	9.0	High Adventure Camp, Northern Tier
69-0235	Sunshine	201	13	23.1	20.0	29.0	Turner, Gary
69-0794	Thirteen	201	8	13.8	12.0	16.0	Swanson, Michael
69-0241	Thompson	201	10	5.7	4.5	7.5	Haney, Richard
69-0965	Unnamed	201	3	4.5	4.0	5.0	Nature Center, Hartley
69-0663	Virginia	202	9	14.7	11.0	19.5	Engel, Dan
69-0939-03	West Sturgeon	201	6	5.2	4.5	6.0	Bizal, Bunny Husten & Jerry
69-0378-02	West Vermilion	210	9	11.5	8.5	14.5	Whitenack, Gary & Alberta
69-0378-02	West Vermilion	211	9	12.3	9.0	14.5	Whitenack, Gary & Alberta
69-0378-02	West Vermilion	221	5	10.8	10.5	11.5	Paulsen, Terri
69-0004	White Iron	201	12	5.3	4.5	6.0	Pinckney, Robert
69-0004	White Iron	202	7	5.1	4.0	5.5	Ajax, Sheldon
69-0375	Whiteface Reservoir	202	17	4.5	3.5	5.2	Stebly, Edward & Lee
69-0375	Whiteface Reservoir	205	8	4.7	4.5	5.0	Kopnick, Brian & Denese
69-0375	Whiteface Reservoir	206	2	3.0	3.0	3.0	Grethen, Norm
69-0161	Wolf	201	3	9.3	6.0	11.0	Krebsbach, Sue & John
69-0434-02	Wynne	202	10	7.2	6.5	8.0	Laugen, Joe

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## STEARNS County

Stearns County			Summer				
Lake ID	Lake Name	Site	NS	Mean	Min	Max	Volunteer
73-0190	Bear	201	5	9.0	8.0	10.0	Greener, Glen
73-0156	Becker	201	4	6.7	5.0	8.0	Kummer, Jeff & Cindy
73-0159	Big	201	17	9.1	6.0	12.0	Press, Joe
73-0106	Big Fish	201	8	18.6	13.5	26.5	Peters, Matthew
73-0106	Big Fish	202	10	14.9	12.0	19.0	Schnettler, Bill
73-0106	Big Fish	203	2	14.5	14.0	15.0	Peters, Joe & Darlene
73-0106	Big Fish	204	13	19.2	15.0	25.0	Chovan, Joe
73-0102	Big Watab	201	19	19.8	14.0	25.0	Strobel, Joan & Mark
73-0102	Big Watab	202	22	21.6	15.0	31.0	Strobel, Joan & Mark
73-0088	Bolfing	202	9	4.1	2.0	8.0	Binsfeld, Joe
73-0038	Carnelian	201	8	16.9	14.0	27.0	Roth, Wayne & Linda
73-0133-01	Cedar Island (Main Bay)	205	8	4.7	3.0	7.5	Stewart, Mike
73-0133-01	Cedar Island (Main Bay)	208	4	5.6	1.5	10.0	Horak, Ron
73-0006	Crooked	201	11	13.7	9.5	16.5	Bachofer, Ken
73-0006	Crooked	202	11	13.6	10.0	16.0	Bachofer, Ken
73-0703	Eleven Quarry	201	7	18.7	15.0	24.0	Parks Dept., Stearns Co.
73-0191	Fish	201	5	6.7	4.0	14.0	Welle, Dylan
73-0055	Grand	203	14	6.4	3.0	10.0	Lehner, Jake & Harriet
73-0055	Grand	204	11	6.6	3.0	12.0	Ludwig, Paul
73-0233	Kings	201	19	7.7	5.5	12.0	Herges, Peter
73-0233	Kings	202	19	7.6	5.0	11.5	Herges, Peter
73-0086	Knaus	203	9	2.2	1.5	3.0	Binsfeld, Joe
73-0086	Knaus	204	13	2.0	1.5	3.0	Patton, Dan
73-0086	Knaus	205	13	2.3	1.5	4.5	Patton, Dan
73-0086	Knaus	206	13	2.3	1.5	4.0	Patton, Dan
73-0200-02	Koronis (main lake)	211	12	7.7	4.0	13.0	Ebent, Roland
73-0200-02	Koronis (main lake)	211	6	7.1	3.5	13.0	Moyer, William
73-0200-02	Koronis (main lake)	214	6	7.9	4.0	14.0	Moyer, William
73-0064	Kraemer	201	8	4.8	4.0	6.0	Steffes, Bob
73-0087	Krays	202	13	2.2	1.5	3.5	Patton, Dan
73-0097	Kreigle	201	3	16.8	14.0	19.5	Hollinger-Petters, Colleen
73-0004	Long	201	11	15.4	13.5	17.5	Bachofer, Ken
73-0004	Long	202	11	14.8	12.5	16.5	Bachofer, Ken
73-0139	Long	203	4	5.0	4.0	6.0	Spohn, Kenneth
73-0139	Long	204	4	4.5	2.5	6.0	Ogrezovich, Rod & Jackie

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73-0123	Lower Spunk	201	12	10.4	7.7	15.5	Ahles, Gerritt
73-0123	Lower Spunk	202	3	8.7	8.5	9.0	Johnson, Hugo
73-0123	Lower Spunk	203	3	9.0	8.5	9.5	Johnson, Hugo
73-0701	Melrose Deep Quarry	201	7	13.9	6.0	24.0	Parks Dept., Stearns Co.
73-0128	Middle Spunk	204	7	14.4	11.5	17.0	Waterman, Russ
73-0128	Middle Spunk	206	4	15.5	14.0	17.0	Merdan, Charles
73-0147	North Brown's	205	17	5.3	2.5	11.0	Dehler, Fred
73-0015	Otter	201	4	10.8	10.0	12.0	Jorgenson, Peter
73-0037	Pearl	204	11	6.5	3.7	13.0	Gross, Dave
73-0118	Pelican	202	13	10.4	8.0	17.5	Angulski, Chet
73-0118	Pelican	203	17	10.1	4.5	15.0	Koopmeiners, Linus
73-0118	Pelican	205	11	10.2	7.5	14.5	Lang, Joseph
73-0136	Pine	201	3	10.3	9.0	12.0	Petron, Mark
73-0144	Pirz	203	12	11.3	7.5	18.0	Birk, Roy & Jen
73-0144	Pirz	203	24	13.8	8.5	25.0	Weber, Tom & Karen
73-0051	Pleasant	204	13	10.4	7.0	14.0	Ballinger, Gwen
73-0057	Rausch	201	1	0.5	0.5	0.5	Dreher, Georgianne
73-0196	Rice	208	14	4.0	2.0	13.5	Karl, Dallas
73-0196	Rice	208	3	9.7	2.5	14.5	Skartvedt, Gary
73-0196	Rice	211	10	4.6	2.5	16.0	Vadner, Bob
73-0072	Rossier	201	8	6.1	3.5	9.0	Streng, Steve
73-0092	Sagatagan	101	5	14.6	12.5	17.0	Oschwald, Bob
73-0199	Sand	202	16	2.5	2.0	3.0	Bloch, Jim
73-0082	Schneider	202	6	4.2	3.0	9.0	Lingofelt, Barb
73-0183	St. Anna	202	3	4.7	3.0	7.5	Hare, Robert
73-0249	Sylvia	202	16	9.5	7.0	17.0	Spanier, Wendy
73-0138	Two Rivers	204	12	4.2	3.0	6.5	Guggenberger, Sue
73-0070	Watab	201	17	7.9	5.0	11.0	Faber, Roger

## STEELE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
74-0023	Beaver	102	13	4.3	3.5	5.5	Pecht II, Max
74-0019	Kohlmeier	202	1	6.5	6.5	6.5	Hollatz, Dennis

## STEVENS County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
75-0024	Long	101	5	3.8	2.0	7.0	Gauthier, Ron

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## SWIFT County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
76-0072	Camp	201	4	9.1	6.5	12.5	Nemmers, Duane
76-0033	Monson	201	16	4.6	2.5	11.0	Gronseth, Rodney

## TODD County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
77-0024	Bass	201	10	11.5	7.0	23.0	Mareck, Andrew
77-0035	Beauty	202	16	9.5	5.0	17.0	Sullivan, Richard
77-0084-01	Big Birch (NE portion)	203	11	8.7	6.0	12.0	Hinnenkamp, Holly
77-0084-01	Big Birch (NE portion)	206	15	8.9	5.0	16.0	Dinndorf, Don
77-0084-01	Big Birch (NE portion)	214	7	9.4	6.0	18.0	Kirchner, Gerald
77-0084-01	Big Birch (NE portion)	215	11	9.5	6.0	14.0	Hinnenkamp, Holly
77-0084-01	Big Birch (NE portion)	218	7	8.0	6.5	12.0	Kirchner, Gerald
77-0084-01	Big Birch (NE portion)	219	7	8.6	6.0	14.0	Kirchner, Gerald
77-0084-01	Big Birch (NE portion)	225	11	9.2	6.0	14.0	Hinnenkamp, Holly
77-0084-02	Big Birch (S portion)	202	12	10.8	5.5	18.0	Schiemann, Chuck & Beth
77-0084-02	Big Birch (S portion)	204	11	11.4	6.5	15.5	Ebnet, Mick
77-0084-02	Big Birch (S portion)	205	15	11.9	7.0	20.0	Dinndorf, Don
77-0084-02	Big Birch (S portion)	207	11	10.7	7.5	14.0	Ebnet, Mick
77-0084-02	Big Birch (S portion)	210	12	12.8	10.0	18.0	Meyer, Glenn
77-0084-02	Big Birch (S portion)	212	12	11.1	6.0	18.5	Schiemann, Chuck & Beth
77-0084-02	Big Birch (S portion)	213	15	12.0	7.0	19.0	Dinndorf, Don
77-0084-02	Big Birch (S portion)	216	12	12.7	10.0	17.5	Meyer, Glenn
77-0084-02	Big Birch (S portion)	217	12	12.6	10.0	17.0	Meyer, Glenn
77-0084-02	Big Birch (S portion)	220	12	11.5	6.5	17.0	Wander, David
77-0084-02	Big Birch (S portion)	221	12	11.3	6.5	16.5	Wander, David
77-0084-02	Big Birch (S portion)	222	12	11.2	6.5	19.0	Schiemann, Chuck & Beth
77-0084-02	Big Birch (S portion)	223	15	11.8	7.0	20.0	Dinndorf, Don
77-0084-02	Big Birch (S portion)	224	11	10.9	6.0	15.5	Ebnet, Mick
77-0084-02	Big Birch (S portion)	226	12	11.5	6.5	16.5	Wander, David
77-0023	Big Swan	201	12	7.2	3.5	16.0	Daly, Lee
77-0023	Big Swan	205	6	7.6	4.0	16.0	Hennek, Ed
77-0023	Big Swan	206	12	7.6	3.0	14.0	Daly, Lee
77-0046	Coal	201	15	9.4	6.5	13.0	Johnston, Rodger
77-0154	Fairy	201	13	15.6	11.0	23.5	Tank, Loren
77-0128	Horseshoe	201	8	9.7	7.0	11.5	McClellan, Patricia

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77-0105	Latimer	203	16	2.7	1.5	5.0	Swenson, Paul
77-0089	Little Birch	201	8	10.1	5.5	16.0	Moening, Bud
77-0089	Little Birch	202	8	10.1	5.0	16.5	Moening, Bud
77-0089	Little Birch	203	8	10.2	6.0	16.0	Moening, Bud
77-0089	Little Birch	204	8	10.2	7.0	15.0	Moening, Bud
77-0201	Little Osakis	201	2	6.0	6.0	6.0	Huerd, Lester
77-0027	Long	201	5	13.5	11.0	18.5	Scatterella, Troy
77-0149-01	LONG (MAIN BASIN)	201	10	13.0	6.0	21.0	Ploof, Jim & Carolyn
77-0149-01	LONG (MAIN BASIN)	202	3	14.5	11.5	17.0	Floerke, Bob
77-0149-02	LONG (SOUTH BAY)	201	3	9.8	8.0	13.0	Ploof, Jim & Carolyn
77-0181	Maple	203	4	4.7	4.5	5.0	Haik, Robert
77-0181	Maple	203	8	5.5	2.5	11.0	Klick, Peter
77-0026	Moose	201	12	6.7	3.0	16.0	Grell, Gary
77-0007	Mound	201	17	16.3	9.0	29.0	Peterson, David
77-0007	Mound	202	17	16.1	9.0	29.0	Peterson, David
77-0007	Mound	202	11	16.6	10.5	23.0	Zeis, Robert
77-0215	Osakis	208	4	10.0	7.5	11.5	Koich, Stan
77-0067	Pine Island	201	2	11.3	8.5	14.0	Beaudry, Paul
77-0150-02	SAUK (NORTH BAY)	205	11	4.8	3.0	10.5	Weir, Tim & Dave
77-0150-01	SAUK (SW BAY)	201	15	3.2	1.5	7.5	Beckermann, Vern
77-0150-01	SAUK (SW BAY)	205	10	2.1	1.0	3.5	Shields, Ava

## TRAVERSE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
78-0025	Traverse	206	2	3.2	1.5	5.0	Grazzini, Gregory
78-0025	Traverse	206	3	3.0	2.5	3.5	SWCD, Traverse County

## WADENA County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
80-0034	Blueberry	201	17	3.0	1.5	6.0	Lindblom, Leofwin (Lefty)
80-0038	Morgan	201	15	20.1	18.9	22.3	Lindblom, Leofwin (Lefty)
80-0039	Spirit	202	16	15.1	10.3	22.0	Lindblom, Leofwin (Lefty)
80-0037	Stocking	203	8	7.7	4.0	12.0	Hepokoski, Mark

## WASECA County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
81-0014-01	Clear	201	10	3.0	1.5	6.5	Rathmann, Duane
81-0095-01	Elysian (Upper - u/s dam)	201	4	1.5	1.0	2.5	Genz, Carl
81-0095-01	Elysian (Upper - u/s dam)	202	4	1.4	1.0	2.5	Genz, Carl

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81-0095-01	Elysian (Upper - u/s dam)	202	11	1.7	1.0	2.0	Johnson, Richard
81-0095-01	Elysian (Upper - u/s dam)	203	13	1.2	1.0	2.0	Genz, Carl
81-0015	Loon	203	16	1.4	0.8	2.0	Purcell, Ron
81-0055	Reeds	201	6	9.6	7.5	12.5	Kretzschmar, Alan
81-0003	St. Olaf	201	14	3.4	2.6	4.9	Grabau, Al

## WASHINGTON County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
82-0116-02	Armstrong-South Portion	451	2	3.0	3.0	3.0	Ward, Ed
82-0049	Big Carnelian	203	5	15.7	13.5	18.0	Bower, John
82-0049	Big Carnelian	204	6	20.0	16.0	26.5	McKay, Maurice
82-0054	Bone	202	8	5.2	3.5	9.0	Hafner, Jon
82-0163	Clear	202	12	3.8	3.5	4.0	Fuerstenberg, Deborah
82-0163	Clear	203	12	5.2	4.5	6.5	Peden, Merle
82-0009	Cloverdale	201	10	6.6	4.5	11.5	Johnson, Lonni
82-0159	Forest	212	2	5.5	5.5	5.5	Murphy, John
82-0080	Halfbreed	202	5	15.5	13.7	17.7	Sparks, Curt
82-0080	Halfbreed	203	5	17.2	16.0	19.0	Huerstel, Peggy & Eugene
82-0104	Jane	201	16	13.9	12.0	17.0	Taylor, Charles
82-0014	Little Carnelian	203	3	22.0	18.5	24.5	Voth, Henry
82-0130	Long	201	7	9.9	8.5	12.0	Francy-Payton, Kathryn
82-0021	Long	201	1	9.5	9.5	9.5	Peterson, Leah
82-0010	McDonald	202	11	4.2	2.0	8.0	Kelsey, Maynard
82-0153	Sunset	201	5	9.4	7.0	11.5	Coderre, Diane
82-0153	Sunset	201	3	10.8	10.5	11.0	Mottl, Greg
82-0128	Unnamed	201	2	4.2	4.0	4.5	Vanzwol, Charles
82-0313	Unnamed (Goetschel)	201	5	4.1	3.0	5.5	Larson, Rolf
82-0167	White Bear	223	3	14.5	13.5	16.0	Bartz, Greg
82-0090	Wilmes	201	2	4.0	3.5	4.5	Thompson, Dale
82-0090	Wilmes	202	2	5.0	3.5	6.5	Thompson, Dale

## WATONWAN County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
83-0040	Long	203	7	2.2	1.5	3.0	Julian, Thomas
83-0043	St. James	205	16	4.9	4.0	7.0	St. James, City of

## WRIGHT County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
86-0190	Ann	201	3	4.3	4.0	4.5	Olson, John

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86-0284	Augusta	201	2	10.0	6.5	13.5	Kampa, Mark
86-0234	Bass	203	12	13.4	11.5	14.5	Ross, Dan
86-0023	Beebe	204	17	4.0	2.5	7.7	Pyle, Roger
86-0023	Beebe	205	17	4.6	2.8	9.0	Pyle, Roger
86-0023	Beebe	206	17	4.5	3.0	8.0	Pyle, Roger
86-0066	Birch	202	12	14.3	13.0	16.0	Holme, Keith
86-0264	Brooks	201	4	3.3	1.7	6.5	Goldsberry, Manda
86-0221	Camp	202	4	12.6	8.5	16.0	Young, Eric
86-0281	Caroline	201	8	6.4	3.0	14.5	Faidley, Dave
86-0281	Caroline	201	13	5.1	2.5	12.5	Schrader, Donald
86-0073	Cedar	201	14	17.5	15.0	25.0	Johnson, David
86-0227	Cedar	202	7	5.9	3.5	11.5	Johnson, Robert
86-0227	Cedar	203	7	5.7	3.5	11.0	Johnson, Robert
86-0011	Charlotte	204	4	17.7	14.5	22.0	Stecker, Alyn (Bruce)
86-0252-01	Clearwater (East)	212	12	6.4	4.8	10.8	Connelly, Stephen
86-0252-02	Clearwater (West)	210	13	9.7	8.0	17.5	Roeder, Delores
86-0252-02	Clearwater (West)	211	12	7.2	3.5	16.0	Roeder, Delores
86-0293	Collinwood	101	17	2.8	2.0	6.0	Peller, Jeff
86-0148	Eagle	202	16	7.7	6.0	11.0	Johnson, Jim
86-0289	East Lake Sylvia	101	6	18.2	14.5	22.0	Johnson, Dr. Gary
86-0289	East Lake Sylvia	201	5	15.8	14.0	18.0	Robb, Tim
86-0289	East Lake Sylvia	204	2	14.5	14.0	15.0	Neumann, Herold
86-0289	East Lake Sylvia	205	8	17.1	12.0	20.0	Beek, E.
86-0183	Fish	201	9	4.2	3.0	6.0	Durant, Karen
86-0001	Foster	201	5	1.0	1.0	1.0	Lee, Sandy
86-0086	Fountain	202	14	0.8	0.5	1.5	Fink, William
86-0086	Fountain	203	7	1.0	0.8	2.0	Durham, Michael
86-0086	Fountain	204	7	1.0	0.8	2.0	Durham, Michael
86-0086	Fountain	206	6	1.0	0.5	2.0	Durham, Michael
86-0217	Granite	201	16	5.4	2.0	14.0	Rau, Ray
86-0217	Granite	202	3	4.8	3.0	8.0	Peterson, Jean
86-0217	Granite	202	16	5.8	2.5	12.0	Rau, Ray
86-0217	Granite	204	16	5.4	3.0	10.0	Rau, Ray
86-0217	Granite	206	16	5.5	2.5	12.5	Rau, Ray
86-0217	Granite	207	16	5.6	2.5	12.0	Rau, Ray
86-0199	Howard	201	3	8.5	7.0	10.0	Forst, Curt
86-0146	Ida	207	4	13.5	13.0	14.0	Westveer, Dirk

**Legend:**

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86-0223	Indian	202	9	3.9	3.5	4.5	Lindquist, Kevin
86-0288	John	201	8	9.8	7.0	12.5	Fleskes, Robert
86-0163	Limestone	201	12	8.3	7.5	9.0	Swenson, Gary
86-0106	Little Waverly	202	4	2.2	1.5	3.0	Habisch, Ken
86-0282	Louisa	201	5	3.6	2.5	6.5	Howard, Mike
86-0282	Louisa	203	9	4.6	3.0	10.0	Driver, Donn
86-0134-03	Maple (Northeast Bay)	201	18	8.8	7.0	13.0	Ruddle, Bill
86-0009	Martha	201	15	11.2	8.5	18.5	Miller, Jim
86-0193	Mary	202	8	10.2	9.0	12.0	Ollig, Mike
86-0229	Mink	201	12	2.3	1.5	3.0	Longtin, Brad
86-0229	Mink	205	4	2.1	1.5	3.5	Fritz, Steve
86-0238	Nixon	202	11	10.9	10.0	12.0	Lee, William
86-0251	Pleasant	204	13	7.9	5.5	11.5	Peterson, Jim
86-0251	Pleasant	205	10	8.6	6.0	13.0	Sedey, John
86-0053-02	Pulaski (main bay)	204	8	15.6	10.0	22.0	Muntifering, Ron
86-0120	Ramsey	202	4	4.5	3.0	7.5	Fritz, Steve
86-0230	Somers	201	12	3.1	2.0	4.5	Longtin, Brad
86-0230	Somers	204	4	3.5	2.0	5.0	Fritz, Steve
86-0233	Sugar	203	6	11.8	10.0	13.0	Kastl, James
86-0017	Uhl	201	12	5.5	3.0	9.5	Reynolds, Jim
86-0298	Union	203	3	5.3	4.0	7.0	Lysen, Paul
86-0134-01	Upper Maple	203	18	15.4	10.0	25.0	Ruddle, Bill
86-0134-01	Upper Maple	206	18	14.1	9.0	19.0	Ruddle, Bill
86-0134-01	Upper Maple	207	4	12.6	12.0	13.5	Ditter, Bill
86-0279	West Lake Sylvia	204	10	18.3	16.5	20.5	Waldhauer, John
86-0279	West Lake Sylvia	206	7	21.1	18.0	25.0	Behrends, Patty
86-0279	West Lake Sylvia	211	7	20.9	20.0	22.0	Dandrea, Jim
86-0279	West Lake Sylvia	213	3	17.7	16.0	18.5	Jensen, Eric

## YELLOW MEDICINE County

Lake ID	Lake Name	Site	NS	Summer			Volunteer
				Mean	Min	Max	
87-0016	Curtis	201	4	0.9	0.8	1.0	Busack, Ernie

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