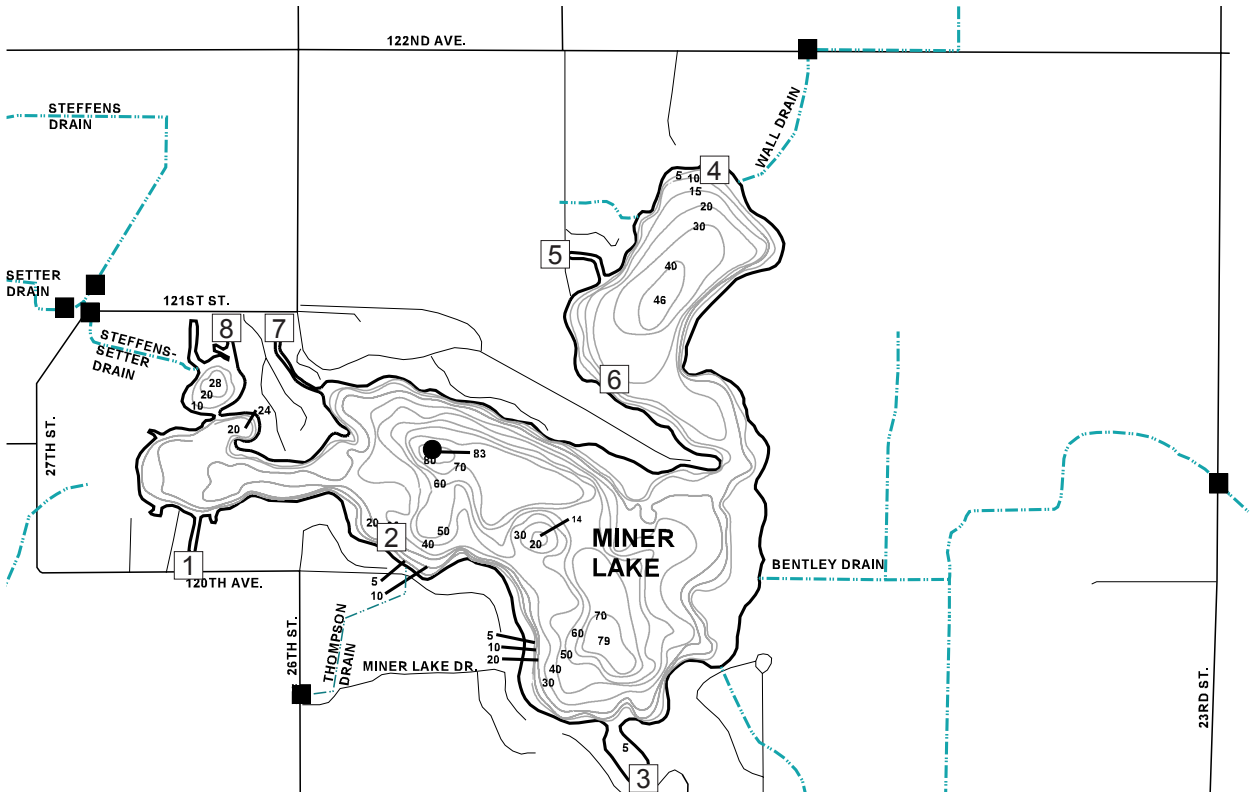


**TABLE 1  
LAKE CLASSIFICATION CRITERIA**

Lake Classification	Total Phosphorus ( $\mu\text{g/L}$ ) <sup>1</sup>	Chlorophyll-a ( $\mu\text{g/L}$ ) <sup>1</sup>	Secchi Transparency (feet)
Oligotrophic	Less than 10	Less than 2.2	Greater than 15.0
Mesotrophic	10 to 20	2.2 to 6.0	7.5 to 15.0
Eutrophic	Greater than 20	Greater than 6.0	Less than 7.5



- = Deep-basin Sampling Locations
- = Tributary Sampling Locations
- 1 = Bacteriological Sampling Locations

**Figure 1. Miner Lake sampling location map.**

<sup>1</sup>  $\mu\text{g/L}$  = micrograms per liter = parts per billion.

**TABLE 2  
MINER LAKE 2014 DEEP BASIN WATER QUALITY DATA**

Date	Sample Depth (feet)	Temperature (°F)	Dissolved Oxygen (mg/L) <sup>1</sup>	Total Phosphorus (µg/L) <sup>2</sup>	pH (S.U.) <sup>3</sup>	Total Alkalinity (mg/L as CaCO <sub>3</sub> ) <sup>4</sup>
5-May-14	1	51	11.2	<5	8.6	178
5-May-14	10	51	11.9	28	8.5	178
5-May-14	20	51	11.9	9	8.7	179
5-May-14	30	49	10.5	12	8.4	176
5-May-14	40	44	8.7	19	8.1	179
5-May-14	50	43	7.7	5	8.0	177
5-May-14	60	42	7.4	10	7.9	175
5-May-14	70	42	7.2	7	7.9	177
5-May-14	80	42	6.7	<5	7.9	176
25-Aug-14	1	77	8.5	<5	8.9	151
25-Aug-14	10	77	8.1	14	8.7	151
25-Aug-14	20	68	1.5	28	7.9	172
25-Aug-14	30	50	0.5	13	7.8	179
25-Aug-14	40	46	0.4	18	7.8	183
25-Aug-14	50	45	0.2	37	7.7	186
25-Aug-14	60	44	0.2	66	7.8	186
25-Aug-14	70	44	0.3	108	7.8	187
25-Aug-14	80	44	0.3	123	7.7	193

**TABLE 3  
MINER LAKE 2014 SURFACE WATER QUALITY DATA**

Date	Secchi Transparency (feet)	Chlorophyll-a (µg/L) <sup>2</sup>
5-May-14	14	0
25-Aug-14	10	4

1 mg/L = milligrams per liter = parts per million.

2 µg/L = micrograms per liter = parts per billion.

3 S.U. = standard units

4 mg/L as CaCO<sub>3</sub> = milligrams per liter as calcium carbonate.

**TABLE 4**  
**MINER LAKE 2014 SHORELINE WATER QUALITY DATA**

Date	Sampling Site Number	<i>E. coli</i> Count/100mL <sup>1</sup>
19-Aug-14	1	120
19-Aug-14	2	18
19-Aug-14	3	27
19-Aug-14	4	84
19-Aug-14	5	225
19-Aug-14	6	16
19-Aug-14	7	9
19-Aug-14	8	31

**TABLE 5**  
**MINER LAKE SUMMARY STATISTICS, 1996-2014**

	Total Phosphorus (µg/L) <sup>2</sup>	Secchi Transparency (feet)	Chlorophyll-a (µg/L) <sup>2</sup>
Average	48	9.2	2.2
Standard Deviation	80	2.1	2.3
Median	25	8.5	1.3
Minimum	5	6.0	0.0
Maximum	869	14.0	8.2
Number of Samples	206	22	24

**TABLE 6**  
**MINER LAKE 2014 TRIBUTARY WATER QUALITY DATA**

Date	Stream	Discharge (cfs) <sup>3</sup>	Total Phosphorus (µg/L) <sup>2</sup>
5-May-14	Steffens-Setter Drain	1.3	12
5-May-14	Wall Drain	0.2	14
5-May-14	Bentley Drain	0.7	21
5-May-14	Thompson Drain	0.0	357
19-Aug-14	Steffens-Setter Drain	0.3	20
19-Aug-14	Wall Drain	0.0	30
19-Aug-14	Bentley Drain	0.2	<5
19-Aug-14	Thompson Drain	0.0	

<sup>1</sup> mL = milliliters

<sup>2</sup> µg/L = micrograms per liter

<sup>3</sup> cfs = cubic feet per second

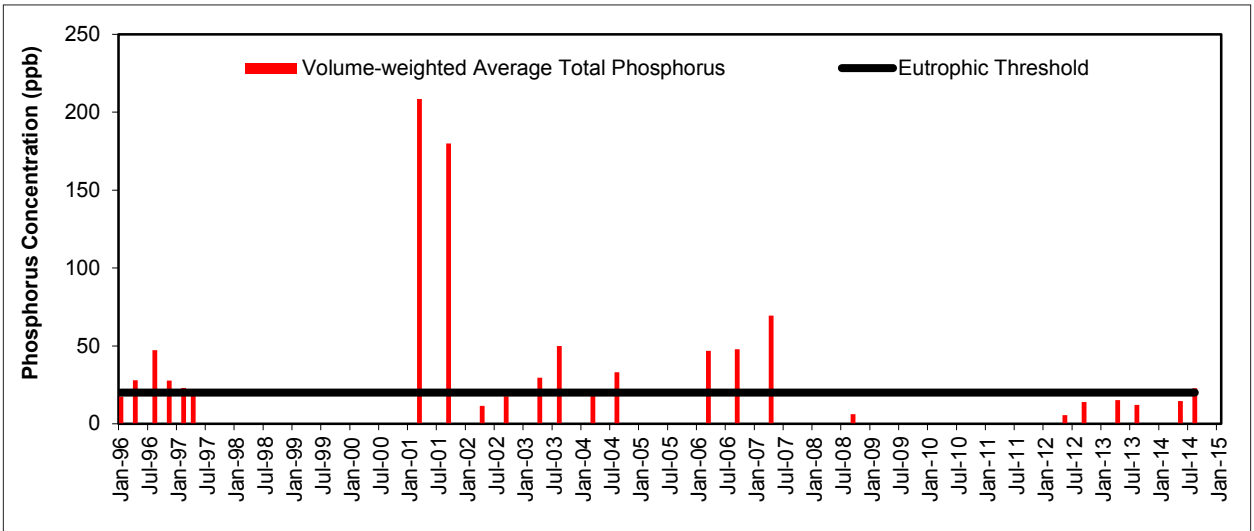


Figure 2. Volume-weighted average total phosphorus concentrations, 1996 - 2014.

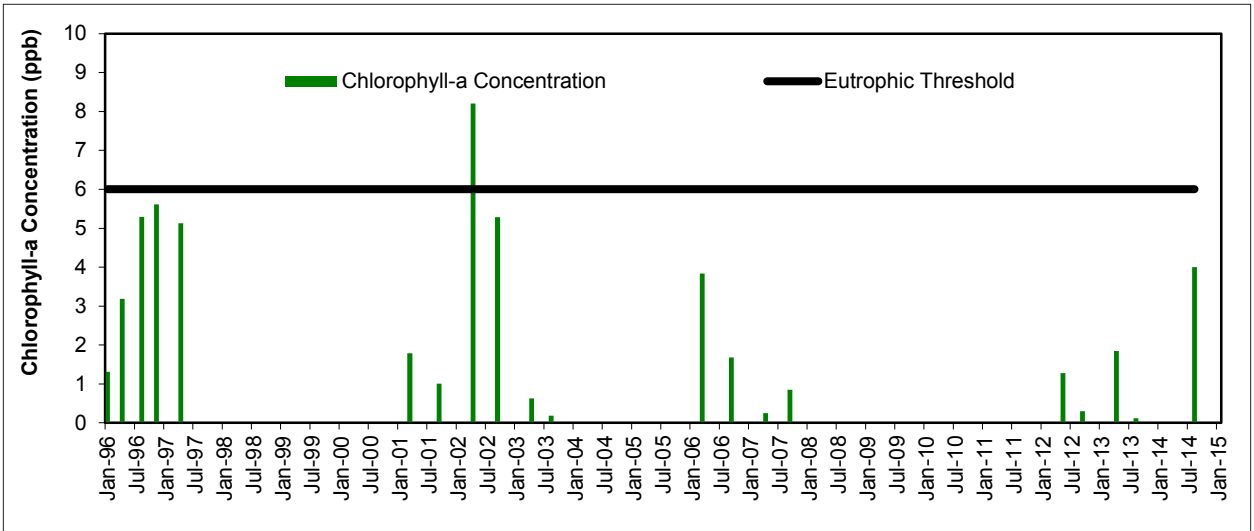


Figure 3. Chlorophyll-a concentrations, 1996 - 2014.

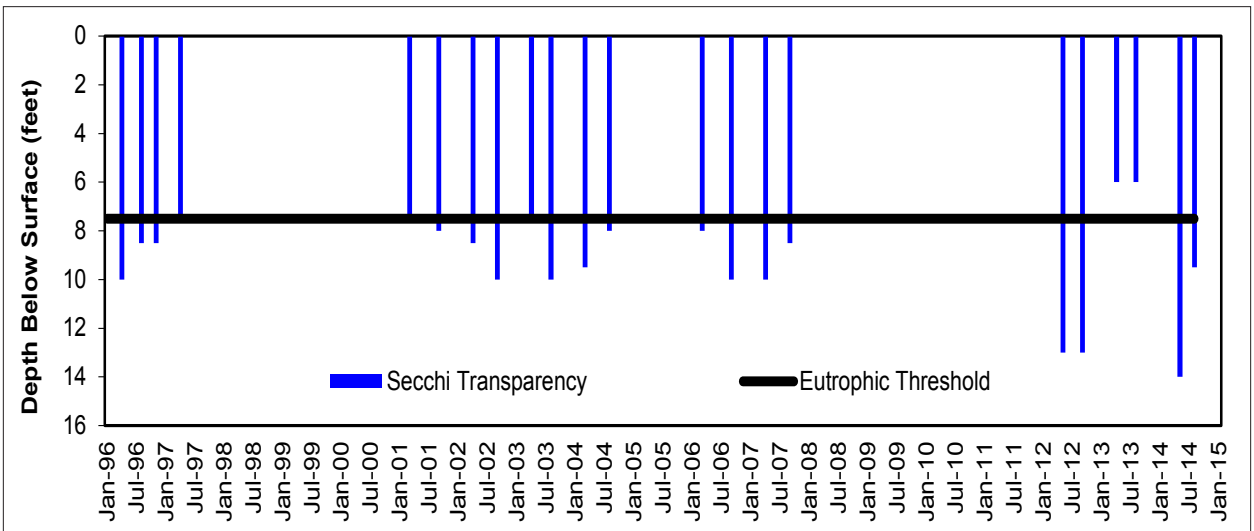


Figure 4. Secchi transparency measurements, 1996 - 2014.