

**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

**TABLE 2**  
**RYERSON LAKE 2020 DEEP BASIN WATER QUALITY DATA**

Date	Sample Depth (feet)	Temperature ( $^{\circ}\text{F}$ )	Dissolved Oxygen ( $\text{mg/L}$ ) <sup>2</sup>	Total Phosphorus ( $\mu\text{g/L}$ ) <sup>1</sup>
19-Aug-20	1	77	9.5	<10
19-Aug-20	10	76	9.8	<10
19-Aug-20	20	55	1.1	17
19-Aug-20	30	48	0.4	49
19-Aug-20	40	46	0.5	163
19-Aug-20	50	44	0.6	185
19-Aug-20	60	43	0.7	196
19-Aug-20	70	42	0.4	332
19-Aug-20	80	41	0.0	725
4-Nov-20	1	47	7.4	67
4-Nov-20	10	47	7.3	57
4-Nov-20	20	47	7.3	60
4-Nov-20	30	47	7.3	66
4-Nov-20	40	47	7.2	57
4-Nov-20	50	46	7.8	54
4-Nov-20	60	43	0.2	325
4-Nov-20	70	42	0.1	452
4-Nov-20	80	42	0.0	799

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

2  $\text{mg/L}$  = milligrams per liter = parts per million.

**TABLE 3**  
**RYERSON LAKE 2020 SURFACE WATER QUALITY DATA**

Date	Secchi Transparency (feet)	Chlorophyll-a ( $\mu\text{g/L}$ ) <sup>1</sup>
19-Aug-20	7.5	4
4-Nov-20	7.0	3

**TABLE 4**  
**RYERSON LAKE SUMMARY STATISTICS, 1997-2020**

	Total Phosphorus ( $\mu\text{g/L}$ ) <sup>1</sup>	Secchi Transparency (feet)	Chlorophyll-a ( $\mu\text{g/L}$ ) <sup>1</sup>
Mean	116	7.8	3.5
Standard deviation	151	2.8	3.3
Median	57	7.5	2.6
Minimum	3	3.5	0.0
Maximum	832	16.0	15.2
Number of samples	436	52	50

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

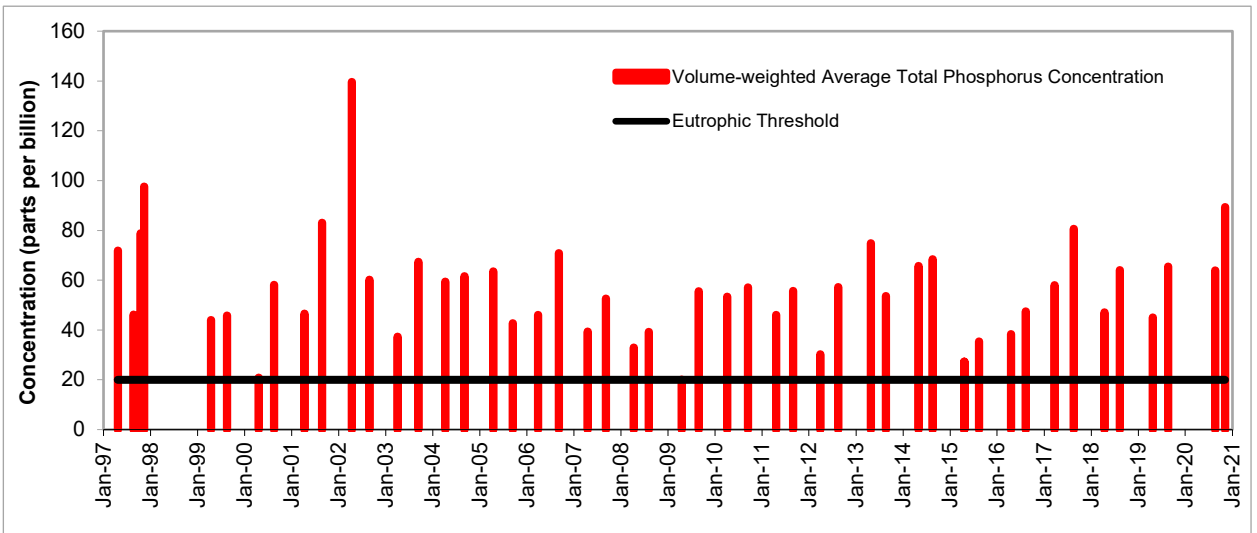


Figure 1. Volume-weighted average total phosphorus concentrations, 1997 - 2020.

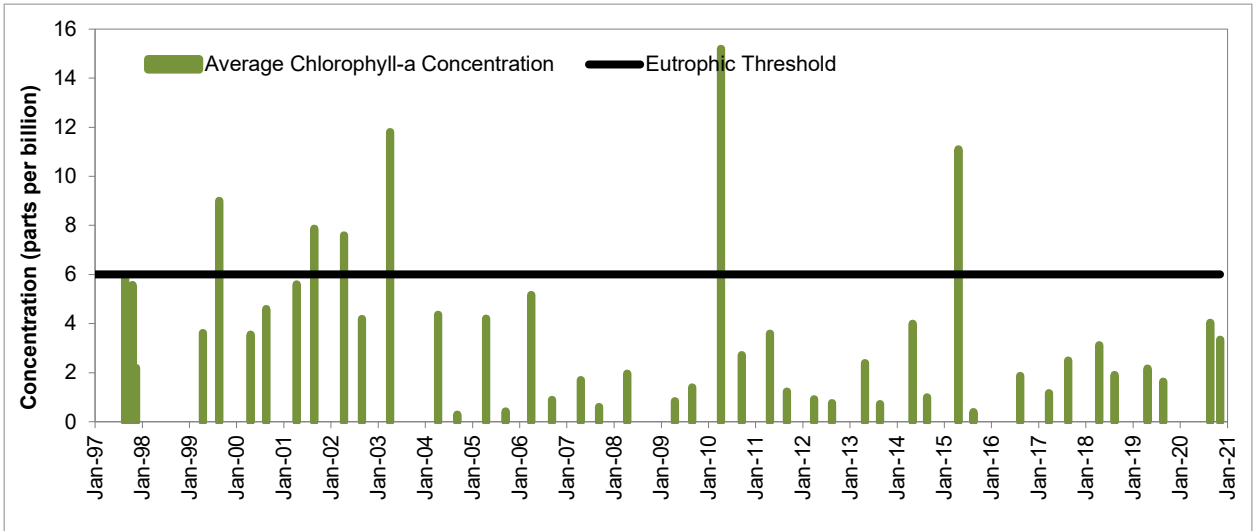


Figure 2. Chlorophyll-a concentrations, 1997 - 2020.

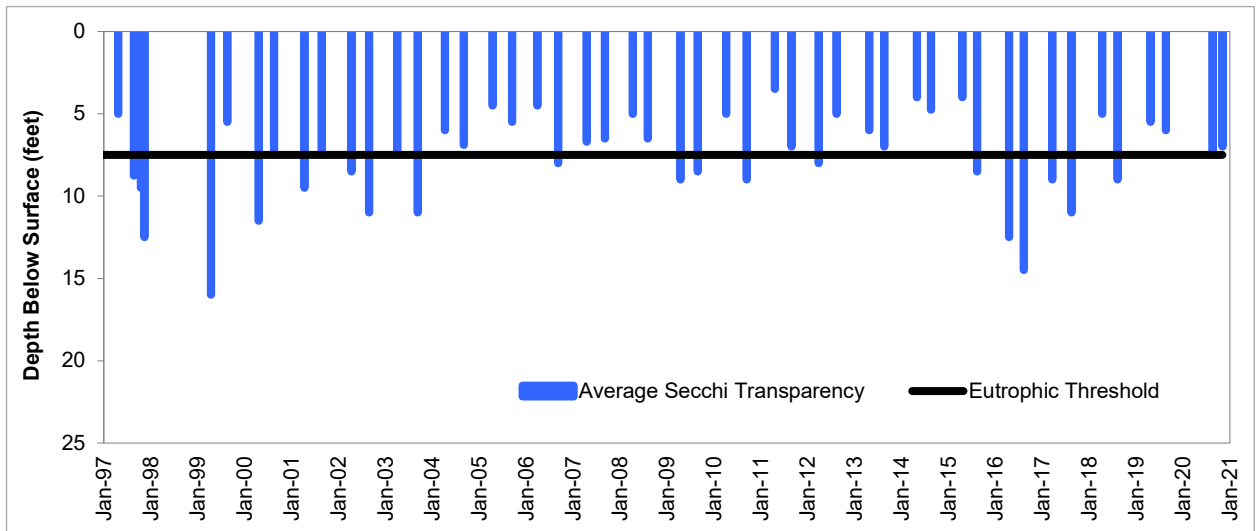


Figure 3. Secchi transparency measurements, 1997 - 2020.