In 1996 the Commission monitored Fish and Weaver Lakes. Both lakes are listed as critical lakes in the Commission's Management Plan. The Commission has been monitoring these lakes since 1980. Total phosphorus, the limiting nutrient that causes algal blooms and excessive weed growth, was on the rise up until 1992. Since that time, phosphorus concentrations have dropped slightly and appear to have stabilized. The Commission had problems with the laboratory awarded the monitoring contract in 1996. The quality of the phosphorus results was not acceptable. Duplicate samples were analyzed by another laboratory for quality control. The phosphorus results for 1996 should be viewed cautiously. Weaver Lake had an average transparency of 6.9 feet in 1996. Fish Lake had an average transparency of 7.3 feet. Both lakes have highly developed watersheds. They receive extensive recreational use and are important resources for the watershed. A list of parameters and concentrations is attached as Appendix 2. In addition to the parameters listed, dissolved oxygen and temperature profiles were measured for each sampling date.

Fish Lake	SDT	TP	CHL	NO_2 + NO_3-N	NH_3-N	TKN	TN	Lab	COND	ALK.	CL
	feet	µg/l	mg/m³	mg/l	mg/l	mg/l	mg/l	pH	µmhos/cm	mg/l $CaCO_3$	mg/l
May-22	10.3	20	4.2	0.2	<.2	0.9	1.1	8.50	386	140	44
Jun-12	8.3	40	9.0	<.1	<.2	1.0	1.0	8.90	395	130	
Jul-17	6.3	130	9.9	<.1	<.2	1.4	1.4	8.60	368	90	
Aug-14	5.7	30	11.0	<.1	<.2	0.9	0.9	8.60	375	120	
Sep-18	6.0	10	19.0	<.1	<.2	1.3	1.3	7.80	398	130	
Mean	7.3	46	10.6	0.04	0.00	1.1	1.1	8.48	384	122	44
Median	6.3	30	9.9	0.00	0.00	1.0	1.1	8.60	386	130	
Std. Dev.	2.0	48	5.4	0.01	0.00	0.2	0.2	0.41	13	19	
TSI	48.5	59.4	53.8								
Mean TSI	53.9										