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.

Weaver 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-16	6.3	<10	4.2	<.1	<.2	0.9	0.9	8.60	350	110	46
Jun-13	11.8	<10	1.3	0.2	<.2	0.9	1.1	9.00	352	110	
Jul-17	4.6	100	10.0	<.1	<.2	1.4	1.4	9.00	322	50	
Aug-14	5.8	20	7.4	<.1	<.2	0.3	0.3	8.70	319	89	
Sep-18	6.2	<10	12.0	<.1	<.2	1.0	1.0	7.80	355	96	
Mean	6.9	24	7.0	0.04	0.00	0.9	0.9	8.62	340	91	46
Median	6.2	0	7.4	0.00	0.00	0.9	1.0	8.70	350	96	
Std. Dev.	2.8	43	4.3	0.09	0.00	0.4	0.4	0.49	18	25	
TSI	49.3	50.0	49.7								
Mean TSI	49.7										