

Weaver Lake.

The mean TP concentration of Weaver Lake in 2002 was 43.3 µg/L, significantly above the long term average of 36.2 µg/L. The Commission goal for Weaver Lake is 35 µg/L; the lake has not met this goal for ten of the past 13 years. Both the total phosphorus and chlorophyll a concentrations in the lake have increased significantly since the early 1990s, while the Secchi disk depth has declined. The highest total phosphorus concentration of record occurred in the lake on August 6, 2002. The high level was probably due to the excessive rainfall carrying phosphorus into the lake. The mean chlorophyll a concentration in the lake was 20.5 in 2002, and the mean Secchi disk depth was 2.2 meters.

Sample Id	Sample Date	Secchi m	Temp °C	DO mg/L	DO %	Cond µS/cm	pH	TP µg/L	SRP µg/L	TN mg/L	Chl-a µg/L
WEAVER	30-Apr-02	1.50	8.83	13.25	114.3	0.44	8.26	43.50		1.31	7.50
WEAVER	22-May-02	4.90	14.45	13.06	128.1	0.40	8.73	40.96		0.64	1.61
WEAVER	05-Jun-02	6.40	19.80			0.36		29.73		0.86	5.33
WEAVER	17-Jun-02	2.59	22.05	10.61	121.6	0.40	8.60	40.27		0.84	13.73
WEAVER	09-Jul-02	1.09	29.07	11.03	143.8	0.35	8.74	35.00	7.28	0.64	19.76
WEAVER	23-Jul-02	1.00	27.66	10.21	129.8	0.39	8.48	48.90	6.76	1.09	29.72
WEAVER	06-Aug-02	0.80	23.95	9.92	117.8	0.38	8.25	68.03		1.40	36.95
WEAVER	20-Aug-02	0.71	23.27	12.30	144.3	0.34	8.32	46.29	6.93	0.89	33.24
WEAVER	10-Sep-02	1.20	25.00	9.80		0.39		41.00	0.73	1.17	26.80
WEAVER	30-Sep-02	1.36	16.80	8.75	90.3	0.40	7.33	39.21	0.80	1.22	30.10
	Mean	2.16		10.99	123.75	0.38	8.34	43.29	4.50	1.01	20.47
	Std.Dev.	1.95		1.56	17.44	0.03	0.45	10.23	3.41	0.27	12.70
	Summer Mean (June-Sept)	1.89		10.37	124.60	0.38	8.29	43.55	4.50	1.01	24.45

2002 Weaver Lake



