

Appendix 3

**2003 Lake Water Quality Summary**

**Fish Lake**

Sample Date	Secchi m	Temp °C	DO mg/L	DO %	Sp. Cond µS/cm	pH	TP µg/L	SRP µg/L	TN mg/L	Chl-a µg/L	Alkalinity mg/L
18-Apr-03	1.47	8.2	13.3	113	0.428	8.05	79		1.53	50.9	116
07-May-03	4.20	14.4	11.7	114	0.382	8.03	68		1.37	4.3	142
20-May-03	2.30	17.1	8.4	88	0.398	8.24	47	2.5	1.23	16.0	136
03-Jun-03	1.40	19.3	12.4	135	0.423	8.31	55		1.26	22.5	126
18-Jun-03	1.15	24.8	10.8	131	0.418	7.98	45	2.5	1.18	32.2	126
01-Jul-03	0.80	24.7	14.9	180	0.325	8.57	71	2.5	1.34	45.0	118
15-Jul-03	0.85	23.9	9.0	107	0.315	7.94	42	2.5	1.34	52.9	119
29-Jul-03	0.70	26.6	11.5	144	0.392	7.92	40	2.5	1.47	53.3	116
12-Aug-03	0.50	28.0	12.5	160	0.375	8.09	44	2.5	1.49	51.8	117
26-Aug-03	0.61	26.4	12.3	152	0.389	7.91	47	6.1	1.58	72.0	113
09-Sep-03	0.60	23.5	10.2	120	0.399	7.76	49	2.5	1.76	53.3	117
30-Sep-03	1.10	13.7	10.8	104	0.424	8.77	94	16.8	2.04	17.2	133
<b>Mean</b>	<b>1.31</b>		<b>11.5</b>	<b>129</b>	<b>0.389</b>	<b>8.13</b>	<b>57</b>	<b>4.5</b>	<b>1.46</b>	<b>39.3</b>	<b>123</b>
Std.Dev.	1.04		1.80	26.6	0.037	0.29	17.3	4.8	0.24	20.4	9.3
Summer Mean (May-Sept)	1.29		11.3	130.4	0.39	8.14	54.7	4.5	1.5	38.2	123.9

**Weaver Lake**

Sample Date	Secchi m	Temp °C	DO mg/L	DO %	Sp. Cond µS/cm	pH	TP µg/L	SRP µg/L	TN mg/L	Chl-a µg/L	Alkalinity mg/L
18-Apr-03	1.55	7.2	13.1	109	0.415	8.23	50		1.01	39.9	102
08-May-03	5.00	13.6	13.4	129	0.361	8.33		6.1	0.88	2.2	118
21-May-03	3.80	16.7	11.7	121	0.369	8.29	28	2.5	0.82	7.4	106
03-Jun-03	2.25	18.8	11.9	127	0.399	8.57	48		1.07	19.5	106
18-Jun-03	1.80	25.1	11.4	139	0.385	8.25	49	2.5	1.15	20.7	96
01-Jul-03	0.96	25.7	14.4	176	0.315	8.78	72	2.5	1.33	39.8	90
15-Jul-03	0.80	23.9	9.6	114	0.298	8.46	53	2.5	1.44	64.8	90
29-Jul-03	0.80	26.9	12.4	155	0.376	8.50	37	2.5	1.57	70.7	92
13-Aug-03	0.51	25.6	11.3	138	0.351	8.41	46	2.5	1.63	58.2	88
26-Aug-03	0.79	27.6	9.8	124	0.378	8.29	49	15.3	1.49	48.8	92
09-Sep-03	1.08	24.1	10.4	124	0.394	7.79	35	2.5	1.31	22.6	98
30-Sep-03	2.90	12.8	9.7	92	0.412	8.56	72	8.7	1.08	10.6	111
<b>Mean</b>	<b>1.85</b>		<b>11.6</b>	<b>129</b>	<b>0.371</b>	<b>8.37</b>	<b>49</b>	<b>4.6</b>	<b>1.23</b>	<b>33.8</b>	<b>99</b>
Std.Dev.	1.40		1.6	22	0.036	0.24	13.7	4.5	0.27	23.3	9.6
Summer Mean (May-Sept)	1.88		11.4	130.7	0.37	8.38	48.9	4.6	1.25	33.2	98.8

Secchi = Secchi Disc Transparency  
 Sp. Cond = Specific Conductivity  
 TP = Total Phosphorus

SRP = Soluble Reactive Phosphorus  
 TN = Total Nitrogen  
 Chl-a = Chlorophyll **a**