

Appendix 4

Weaver Lake
Lake Water Quality Data

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Date	Depth (m)	Temp (°C)	SpCond (µS/cm)	pH	Secchi (m)	DO (mg/L)	DO (%)	TP (mg/L)	SRP (mg/L)	TN (mg/L)	CHL_A (µg/L)	CL
2	4/18/2006	0.0	12.4	400	8.05	5.89	11.83	110.8	0.026		0.97	4.1	68.98
3	4/18/2006	1.0	12.3	400	8.09	5.89	11.90	111.3					
4	4/18/2006	2.0	12.2	400	8.12	5.89	11.91	111.2					
5	4/18/2006	3.0	12.3	400	8.15	5.89	11.89	111.1					
6	4/18/2006	4.0	12.1	400	8.17	5.89	11.91	110.8					
7	4/18/2006	5.0	9.5	394	8.13	5.89	11.73	102.9					
8	4/18/2006	6.0	8.1	387	8.02	5.89	10.95	92.8					
9	4/18/2006	7.0	7.2	383	7.90	5.89	9.79	81.2	0.077				65.98
10	4/18/2006	8.0	6.5	384	7.84	5.89	9.10	74.0					
11	4/18/2006	9.0	6.0	382	7.78	5.89	8.35	67.2					
12	4/18/2006	10.0	5.5	385	7.71	5.89	7.32	58.0					
13	4/18/2006	11.0	5.1	389	7.69	5.89	6.50	51.1					
14	4/18/2006	12.0	5.0	391	7.64	5.89	5.14	40.3					
15	4/18/2006	13.0	5.0	390	7.59	5.89	4.22	33.0	0.098				67.98
16	4/18/2006	14.0	4.9	408	7.19	5.89	0.98	7.7					
17	5/1/2006	0.0	13.2	405	7.54	8.10	11.76	112.1	0.012	0.007	0.94	1.1	67.98
18	5/1/2006	1.0	13.0	401	7.57	8.10	11.67	110.8					
19	5/1/2006	2.0	12.9	401	7.63	8.10	11.73	111.1					
20	5/1/2006	3.0	12.8	401	7.69	8.10	11.74	111.0					
21	5/1/2006	4.0	12.8	401	7.72	8.10	11.71	110.8					
22	5/1/2006	5.0	12.7	402	7.74	8.10	11.71	110.5					
23	5/1/2006	6.0	11.8	408	7.74	8.10	11.79	109.0					
24	5/1/2006	7.0	8.6	411	7.69	8.10	11.24	96.5	0.033	0.009			73.98
25	5/1/2006	8.0	6.7	406	7.51	8.10	8.74	71.6					
26	5/1/2006	9.0	6.1	405	7.42	8.10	7.62	61.5					
27	5/1/2006	10.0	5.8	406	7.33	8.10	6.60	52.8					
28	5/1/2006	11.0	5.5	408	7.29	8.10	5.59	44.4					
29	5/1/2006	12.0	5.3	410	7.22	8.10	4.20	33.2					
30	5/1/2006	13.0	5.2	413	7.16	8.10	2.22	17.5					
31	5/1/2006	14.0	5.2	413	7.11	8.10	1.54	12.2	0.123	0.067			69.98
32	5/1/2006	15.0	5.2	414	7.09	8.10	1.12	8.8					
33	5/1/2006	15.3	5.2	418	6.93	8.10	0.90	7.1					
34	5/17/2006	0.0	15.0	412	8.63	6.70	12.82	127.2	0.019	0.004	0.73	1.1	66.98
35	5/17/2006	1.0	14.9	412	8.70	6.70	11.34	112.3					
36	5/17/2006	2.0	14.8	411	8.75	6.70	11.90	117.5					
37	5/17/2006	3.0	14.7	412	8.81	6.70	11.59	114.3					
38	5/17/2006	4.0	14.5	412	8.87	6.70	11.43	112.1					
39	5/17/2006	5.0	14.0	412	8.94	6.70	11.47	111.3					
40	5/17/2006	6.0	13.2	413	8.98	6.70	11.09	105.8					
41	5/17/2006	7.0	12.9	413	9.02	6.70	11.05	104.7					
42	5/17/2006	8.0	9.2	433	9.06	6.70	6.63	57.8					
43	5/17/2006	9.0	7.1	437	9.10	6.70	4.00	33.0	0.038	0.018			63.98
44	5/17/2006	10.0	6.0	442	9.15	6.70	1.78	14.3					
45	5/17/2006	11.0	5.8	444	9.22	6.70	0.08	0.6					
46	5/17/2006	12.0	5.7	446	9.23	6.70	0.17	1.3					
47	5/17/2006	13.0	5.6	447	9.23	6.70	-0.07	-0.6					
48	5/17/2006	14.0	5.6	450	9.24	6.70	-0.06	-0.4	0.180	0.133			63.98
49	5/17/2006	14.3	5.6	463	9.23	6.70	-2.88	-22.9					
50	5/31/2006	0.0	25.3	415	8.01	6.85	9.41	114.6	0.013		0.49	2.0	59.98
51	5/31/2006	1.0	24.9	415	8.06	6.85	9.53	115.3					
52	5/31/2006	2.0	24.6	413	8.09	6.85	9.68	116.3					
53	5/31/2006	3.0	22.5	412	8.09	6.85	10.02	115.8					
54	5/31/2006	4.0	17.8	414	8.14	6.85	11.72	123.3					
55	5/31/2006	5.0	15.6	417	8.08	6.85	10.72	107.8					

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1	Date	Depth (m)	Temp (°C)	SpCond (µS/cm)	pH	Secchi (m)	DO (mg/L)	DO (%)	TP (mg/L)	SRP (mg/L)	TN (mg/L)	CHL_A (µg/L)	CL
56	5/31/2006	6.0	14.0	420	7.99	6.85	8.85	85.9					
57	5/31/2006	7.0	11.8	426	7.86	6.85	6.83	63.1					
58	5/31/2006	8.0	9.8	440	7.80	6.85	4.73	41.7					
59	5/31/2006	9.0	7.9	445	7.77	6.85	2.51	21.2	0.029	0.018			63.98
60	5/31/2006	10.0	6.7	451	7.77	6.85	0.96	7.8					
61	5/31/2006	11.0	6.3	450	7.77	6.85	0.73	5.9					
62	5/31/2006	12.0	6.1	451	7.76	6.85	0.51	4.1					
63	5/31/2006	13.0	5.9	454	7.76	6.85	0.45	3.6					
64	5/31/2006	14.0	5.8	454	7.75	6.85	0.42	3.3	0.239	0.183			66.98
65	5/31/2006	14.8	5.7	475	7.72	6.85	0.40	3.2					
66	6/13/2006	0.0	21.2	400	7.34	5.80	10.86	122.5	0.022	0.018	0.72	1.7	63.98
67	6/13/2006	1.0	21.2	400	7.36	5.80	10.85	122.3					
68	6/13/2006	2.0	20.8	402	7.23	5.80	9.85	110.3					
69	6/13/2006	3.0	20.4	402	7.21	5.80	9.60	106.4					
70	6/13/2006	4.0	20.1	404	7.13	5.80	9.27	102.4					
71	6/13/2006	5.0	17.7	409	6.73	5.80	8.94	94.0					
72	6/13/2006	6.0	14.5	412	6.30	5.80	8.27	81.1					
73	6/13/2006	7.0	12.2	418	5.65	5.80	6.23	58.0					
74	6/13/2006	8.0	9.7	433	5.03	5.80	3.23	28.5					
75	6/13/2006	9.0	8.1	435	4.86	5.80	2.74	23.2					
76	6/13/2006	10.0	6.8	441	4.65	5.80	0.94	7.8	0.125	0.065			65.98
77	6/13/2006	11.0	6.3	442	4.55	5.80	0.66	5.3					
78	6/13/2006	12.0	6.0	444	4.48	5.80	0.51	4.1					
79	6/13/2006	13.0	5.9	446	4.40	5.80	0.46	3.7					
80	6/13/2006	14.0	5.8	448	4.36	5.80	0.43	3.5					
81	6/13/2006	15.0	5.8	448	4.34	5.80	0.41	3.2					
82	6/13/2006	16.0	5.8	449	4.32	5.80	0.41	3.2	0.317	0.163			66.98
83	6/13/2006	17.0	5.8	509	3.64	5.80	0.41	3.4					
84	6/27/2006	0.0	25.2	377	7.44	3.50	10.22	124.4	0.027	0.004	0.66	5.6	
85	6/27/2006	1.0	25.1	377	7.46	3.50	10.32	125.5					
86	6/27/2006	2.0	24.2	375	7.46	3.50	10.64	127.0					
87	6/27/2006	3.0	23.9	375	7.46	3.50	10.50	124.6					
88	6/27/2006	4.0	23.3	379	7.32	3.50	9.96	116.9					
89	6/27/2006	5.0	19.8	398	6.90	3.50	9.28	101.8					
90	6/27/2006	6.0	15.3	405	6.25	3.50	7.42	74.3					
91	6/27/2006	7.0	11.9	418	5.44	3.50	2.71	25.1					
92	6/27/2006	8.0	10.5	426	5.19	3.50	1.12	10.0	0.027	0.009			
93	6/27/2006	9.0	8.6	430	5.03	3.50	0.64	5.5					
94	6/27/2006	10.0	7.7	430	4.88	3.50	0.36	3.0					
95	6/27/2006	11.0	6.7	432	4.73	3.50	0.30	2.5					
96	6/27/2006	12.0	6.4	435	4.65	3.50	0.28	2.2					
97	6/27/2006	13.0	6.2	435	4.61	3.50	0.28	2.4					
98	6/27/2006	14.0	6.1	437	4.53	3.50	0.28	2.2					
99	6/27/2006	15.0	6.0	437	4.51	3.50	0.28	2.2	0.300	0.190			
100	6/27/2006	15.7	6.0	470	4.09	3.50	0.28	2.4					
101	7/10/2006	0.0	26.2	296	7.57	3.10	9.97	123.5	0.017	0.007	0.68	9.3	68.98
102	7/10/2006	1.0	25.7	294	7.75	3.10	10.17	124.5					
103	7/10/2006	2.0	25.5	295	7.82	3.10	9.97	121.9					
104	7/10/2006	3.0	25.4	296	7.84	3.10	9.88	120.5					
105	7/10/2006	4.0	24.9	298	7.82	3.10	9.42	113.8					
106	7/10/2006	5.0	21.2	302	7.78	3.10	10.31	116.3					
107	7/10/2006	6.0	15.9	310	7.55	3.10	4.30	43.5					
108	7/10/2006	7.0	12.9	317	7.46	3.10	1.41	13.5					
109	7/10/2006	8.0	10.2	328	7.42	3.10	0.76	6.9	0.040	0.021			63.98

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1	Date	Depth (m)	Temp (°C)	SpCond (µS/cm)	pH	Secchi (m)	DO (mg/L)	DO (%)	TP (mg/L)	SRP (mg/L)	TN (mg/L)	CHL_A (µg/L)	CL
110	7/10/2006	9.0	8.6	329	7.42	3.10	0.52	4.5					
111	7/10/2006	10.0	7.4	328	7.40	3.10	0.40	3.4					
112	7/10/2006	11.0	6.8	330	7.40	3.10	0.33	2.7					
113	7/10/2006	12.0	6.5	331	7.38	3.10	0.28	2.2					
114	7/10/2006	13.0	6.4	332	7.36	3.10	0.27	2.2					
115	7/10/2006	14.0	6.3	333	7.34	3.10	0.23	1.8					
116	7/10/2006	15.0	6.3	333	7.32	3.10	0.21	1.7					
117	7/10/2006	16.0	6.2	333	7.30	3.10	0.20	1.6	0.387	0.265			64.98
118	7/10/2006	16.8	6.2	355	7.17	3.10	0.21	1.7					
119	7/24/2006	0.0	27.8	333	8.01	1.70	11.52	146.8	0.039		0.99	8.6	
120	7/24/2006	1.0	27.7	333	8.05	1.70	11.42	145.3					
121	7/24/2006	2.0	27.3	332	8.06	1.70	11.44	144.6					
122	7/24/2006	3.0	26.2	333	8.02	1.70	10.64	131.8					
123	7/24/2006	4.0	25.5	334	7.94	1.70	9.36	114.6					
124	7/24/2006	5.0	22.0	345	7.61	1.70	0.99	11.3	0.040				
125	7/24/2006	6.0	17.5	347	7.61	1.70	0.36	3.7					
126	7/24/2006	7.0	13.3	353	7.63	1.70	0.25	2.5					
127	7/24/2006	8.0	10.6	362	7.57	1.70	0.20	1.8					
128	7/24/2006	9.0	9.1	362	7.57	1.70	0.18	1.6					
129	7/24/2006	10.0	7.7	364	7.57	1.70	0.21	1.8					
130	7/24/2006	11.0	7.1	366	7.55	1.70	0.20	1.7					
131	7/24/2006	12.0	6.8	368	7.53	1.70	0.18	1.5					
132	7/24/2006	13.0	6.6	369	7.51	1.70	0.17	1.3					
133	7/24/2006	14.0	6.6	369	7.50	1.70	0.17	1.3					
134	7/24/2006	15.0	6.5	370	7.48	1.70	0.15	1.2	0.388				
135	7/24/2006	15.9	6.4	396	7.36	1.70	0.14	1.2					
136	8/7/2006	0.0	27.3	432	8.21	1.65	9.85	124.3	0.026		0.84	7.4	66.98
137	8/7/2006	1.0	27.1	432	8.42	1.65	10.03	126.4					
138	8/7/2006	2.0	26.6	431	8.47	1.65	10.07	125.7					
139	8/7/2006	3.0	26.5	431	8.48	1.65	9.92	123.5					
140	8/7/2006	4.0	26.2	432	8.44	1.65	9.16	113.4					
141	8/7/2006	5.0	23.8	453	7.87	1.65	0.91	10.8	0.025				68.98
142	8/7/2006	6.0	17.9	461	7.79	1.65	0.83	8.7					
143	8/7/2006	7.0	14.0	473	7.72	1.65	0.57	5.5					
144	8/7/2006	8.0	11.2	474	7.65	1.65	0.49	4.5					
145	8/7/2006	9.0	8.8	482	7.56	1.65	0.37	3.2					
146	8/7/2006	10.0	7.7	485	7.48	1.65	0.30	2.5					
147	8/7/2006	11.0	7.3	487	7.40	1.65	0.27	2.3					
148	8/7/2006	12.0	7.0	488	7.35	1.65	0.23	1.9					
149	8/7/2006	13.0	6.7	491	7.29	1.65	0.22	1.8					
150	8/7/2006	14.0	6.5	498	7.18	1.65	0.20	1.7	0.508				68.98
151	8/7/2006	14.0	6.4	508	7.02	1.65	0.20	1.6					
152	8/21/2006	0.0	25.4	422	8.84	1.47	10.89	133.0	0.033		0.84	13.7	
153	8/21/2006	1.0	25.1	421	8.93	1.47	11.25	136.4					
154	8/21/2006	2.0	24.2	421	8.99	1.47	11.48	137.1					
155	8/21/2006	3.0	24.0	421	8.98	1.47	11.25	133.7					
156	8/21/2006	4.0	23.8	422	8.94	1.47	10.39	123.1					
157	8/21/2006	5.0	22.6	431	8.54	1.47	5.52	63.9					
158	8/21/2006	6.0	19.5	450	8.15	1.47	0.82	8.9	0.030				
159	8/21/2006	7.0	13.9	457	8.06	1.47	0.46	4.4					
160	8/21/2006	8.0	11.3	462	8.01	1.47	0.42	3.9					
161	8/21/2006	9.0	10.9	461	7.97	1.47	0.36	3.3					
162	8/21/2006	10.0	8.1	473	7.89	1.47	0.30	2.5					
163	8/21/2006	11.0	7.7	474	7.85	1.47	0.28	2.4					

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1	Date	Depth (m)	Temp (°C)	SpCond (µS/cm)	pH	Secchi (m)	DO (mg/L)	DO (%)	TP (mg/L)	SRP (mg/L)	TN (mg/L)	CHL_A (µg/L)	CL
164	8/21/2006	12.0	7.1	477	7.79	1.47	0.25	2.1					
165	8/21/2006	13.0	6.8	482	7.74	1.47	0.24	1.9					
166	8/21/2006	14.0	6.4	496	7.50	1.47	0.21	1.7	0.425				
167	9/6/2006	0.0	23.5	407	8.19	4.68	9.56	112.5	0.021	0.003	0.80	4.3	67.98
168	9/6/2006	1.0	22.8	406	8.58	4.68	9.78	113.7					
169	9/6/2006	2.0	22.5	405	8.66	4.68	10.00	115.6					
170	9/6/2006	3.0	22.2	406	8.69	4.68	9.67	111.2					
171	9/6/2006	4.0	22.0	406	8.67	4.68	8.97	102.6					
172	9/6/2006	5.0	21.5	408	8.58	4.68	7.49	85.0					
173	9/6/2006	6.0	20.0	429	8.14	4.68	0.96	10.5					
174	9/6/2006	7.0	15.3	457	8.05	4.68	0.51	5.1	0.047	0.009			67.98
175	9/6/2006	8.0	11.9	459	7.98	4.68	0.30	2.8					
176	9/6/2006	9.0	9.2	467	7.89	4.68	0.22	2.0					
177	9/6/2006	10.0	8.3	466	7.85	4.68	0.21	1.8					
178	9/6/2006	11.0	7.3	471	7.77	4.68	0.19	1.5					
179	9/6/2006	12.0	6.9	473	7.65	4.68	0.14	1.2					
180	9/6/2006	13.0	6.8	474	7.56	4.68	0.13	1.1					
181	9/6/2006	14.0	6.7	475	7.51	4.68	0.13	1.0	0.461	0.303			65.98
182	9/6/2006	14.9	6.5	494	7.34	4.68	0.11	0.9					
183	9/25/2006	0.0	15.7	367	7.89	3.00	9.81	98.9	0.044		0.93	17.5	
184	9/25/2006	1.0	15.7	367	8.22	3.00	9.62	96.8					
185	9/25/2006	2.0	15.7	367	8.31	3.00	9.61	96.7					
186	9/25/2006	3.0	15.6	367	8.38	3.00	9.59	96.5					
187	9/25/2006	4.0	15.6	367	8.43	3.00	9.59	96.4					
188	9/25/2006	5.0	15.6	367	8.46	3.00	9.59	96.3					
189	9/25/2006	6.0	15.4	368	8.49	3.00	9.53	95.5					
190	9/25/2006	7.0	15.0	369	8.47	3.00	8.81	87.4					
191	9/25/2006	8.0	14.3	377	8.37	3.00	6.30	61.7					
192	9/25/2006	9.0	10.3	415	8.10	3.00	0.87	7.8	0.041				
193	9/25/2006	10.0	8.3	422	8.02	3.00	0.47	4.0					
194	9/25/2006	11.0	7.5	421	7.95	3.00	0.31	2.6					
195	9/25/2006	12.0	7.1	423	7.86	3.00	0.23	1.9					
196	9/25/2006	13.0	6.8	425	7.75	3.00	0.17	1.4					
197	9/25/2006	14.0	6.7	426	7.68	3.00	0.15	1.2					
198	9/25/2006	15.0	6.7	427	7.58	3.00	0.15	1.2	0.473				
199	9/25/2006	15.7	6.6	455	7.15	3.00	0.10	0.8					
200	10/10/2006	0.0	14.4	374	8.17	1.70	11.98	117.5	0.041		1.17	28.5	67.98
201	10/10/2006	1.0	14.3	374	8.18	1.70	11.34	110.8					
202	10/10/2006	2.0	14.2	375	8.31	1.70	11.15	108.8					
203	10/10/2006	3.0	14.1	375	8.35	1.70	10.60	103.4					
204	10/10/2006	4.0	14.1	376	8.32	1.70	10.47	101.9					
205	10/10/2006	5.0	14.1	376	8.34	1.70	10.27	99.8					
206	10/10/2006	6.0	14.0	377	8.22	1.70	9.57	93.0					
207	10/10/2006	7.0	13.9	376	8.19	1.70	9.52	92.3					
208	10/10/2006	8.0	13.8	377	8.17	1.70	9.75	94.4					
209	10/10/2006	9.0	12.7	395	8.14	1.70	5.15	48.7					
210	10/10/2006	10.0	8.9	425	8.18	1.70	1.15	10.0	0.192				67.98
211	10/10/2006	11.0	7.7	426	8.15	1.70	0.70	5.9					
212	10/10/2006	12.0	7.3	428	8.19	1.70	0.40	3.2					
213	10/10/2006	13.0	7.1	431	8.18	1.70	0.31	2.5					
214	10/10/2006	14.0	7.1	431	8.15	1.70	0.23	1.8					
215	10/10/2006	15.0	7.0	432	8.14	1.70	0.18	1.6	0.521				67.98
216	10/10/2006	15.6	6.9	485	8.06	1.70	0.14	1.2					
217													