

Appendix 4

Diamond Lake
Lake Water Quality Data

	A	B	C	D	E	F	G	H	I	J	K
1	Date	Depth (m)	Temp (°C)	SpCond (µS/cm)	pH	Secchi (m)	DO (mg/L)	DO (%)	TP (mg/L)	TN (mg/L)	CHL_A (µg/L)
2	4/18/2006	0.0	15.0	357	8.52	0.45	11.69	116.0	0.205	1.42	11.9
3	4/18/2006	1.0	15.0	357	8.56	0.45	11.69	116.0			
4	4/18/2006	2.0	15.0	357	8.60	0.45	11.59	114.9			
5	4/18/2006	2.3	14.5	369	8.42	0.45	3.15	31.0			
6	5/1/2006	0.0	12.9	350	7.74	0.50	11.58	109.7	0.163	1.77	50.5
7	5/1/2006	1.0	12.8	349	7.72	0.50	11.33	107.2			
8	5/1/2006	2.0	12.8	348	7.75	0.50	10.83	102.3			
9	5/1/2006	2.4	12.6	380	7.14	0.50	0.18	1.7			
10	5/17/2006	0.0	16.0	370	9.04	0.50	12.27	124.5	0.111	1.33	34.8
11	5/17/2006	1.0	15.9	370	9.05	0.50	11.25	113.9			
12	5/17/2006	2.0	15.9	370	9.06	0.50	12.03	121.8			
13	5/17/2006	2.4	15.4	399	8.91	0.50	2.86	28.6			
14	6/1/2006	0.0	26.0	390	8.00	0.50	9.58	118.0	0.144	1.68	34.8
15	6/1/2006	1.0	25.0	386	8.01	0.50	9.66	117.0			
16	6/1/2006	2.0	24.0	388	7.90	0.50	7.44	88.4			
17	6/1/2006	2.3	24.0	413	7.27	0.50	0.90	10.7			
18	6/13/2006	0.0	21.4	351	7.28	0.43	14.97	169.3	0.144	2.19	65.0
19	6/13/2006	1.0	19.8	360	7.07	0.43	13.81	151.3			
20	6/13/2006	2.0	18.5	421	4.48	0.43	1.96	20.8			
21	6/13/2006	2.2	18.5	405	4.42	0.43	0.97	10.3			
22	6/27/2006	0.0	25.6	310	7.92	0.29	13.75	168.3	0.207	3.04	125.8
23	6/27/2006	1.0	24.8	312	7.73	0.29	13.01	156.8			
24	6/27/2006	2.0	23.1	307	5.57	0.29	1.08	12.6			
25	6/27/2006	2.2	23.2	307	5.63	0.29	0.92	10.6			
26	7/10/2006	0.0	26.4	293	9.50	0.22	13.64	169.6	0.175	2.76	158.0
27	7/10/2006	1.0	25.5	292	9.43	0.22	12.41	151.6			
28	7/10/2006	2.0	24.0	306	7.86	0.22	0.85	10.1			
29	7/24/2006	0.0	27.4	301	9.28	0.20	11.08	140.3	0.269	3.80	84.0
30	7/24/2006	1.0	27.2	301	9.35	0.20	10.91	137.5			
31	7/24/2006	2.0	25.3	321	8.58	0.20	4.97	60.5			
32	7/24/2006	2.0	25.2	327	7.89	0.20	0.54	6.5			
33	8/9/2006	0.0	26.0	341	8.58	0.33	11.62	143.3	0.148	3.23	134.1
34	8/9/2006	1.0	25.7	341	8.57	0.33	10.97	134.6			
35	8/9/2006	2.0	25.4	389	7.22	0.33	0.77	9.4			
36	8/21/2006	0.0	24.9	353	9.15	0.27	14.07	170.1	0.236	3.75	116.8
37	8/21/2006	1.0	23.6	353	9.14	0.27	11.15	131.4			
38	8/21/2006	2.0	23.2	377	7.54	0.27	0.82	9.6			
39	9/6/2006	0.0	24.3	316	9.11	0.29	14.94	178.6	0.219	3.71	101.1
40	9/6/2006	1.0	21.6	315	9.27	0.29	12.92	146.7			
41	9/6/2006	2.0	21.0	345	8.43	0.29	0.79	8.9			
42	9/27/2006	0.0	14.2	261	8.48	0.19	11.32	110.3	0.142	3.16	41.1
43	9/27/2006	1.0	14.1	261	8.73	0.19	11.38	110.8			
44	9/27/2006	2.0	14.3	342	7.73	0.19	0.50	4.9			
45	10/10/2006	0.0	14.3	525	8.31	0.38	17.23	168.6	0.145	2.10	49.8
46	10/10/2006	0.0	13.1	308	8.17	0.38	13.01	123.6			
47	10/10/2006	1.0	13.0	307	8.18	0.38	12.89	122.5			
48	10/10/2006	2.0	13.0	318	8.10	0.38	6.05	57.4			
49	10/10/2006	2.0	13.0	318	8.10	0.38	4.73	44.9			
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Diamond Lake Historical Water Quality Trends

