

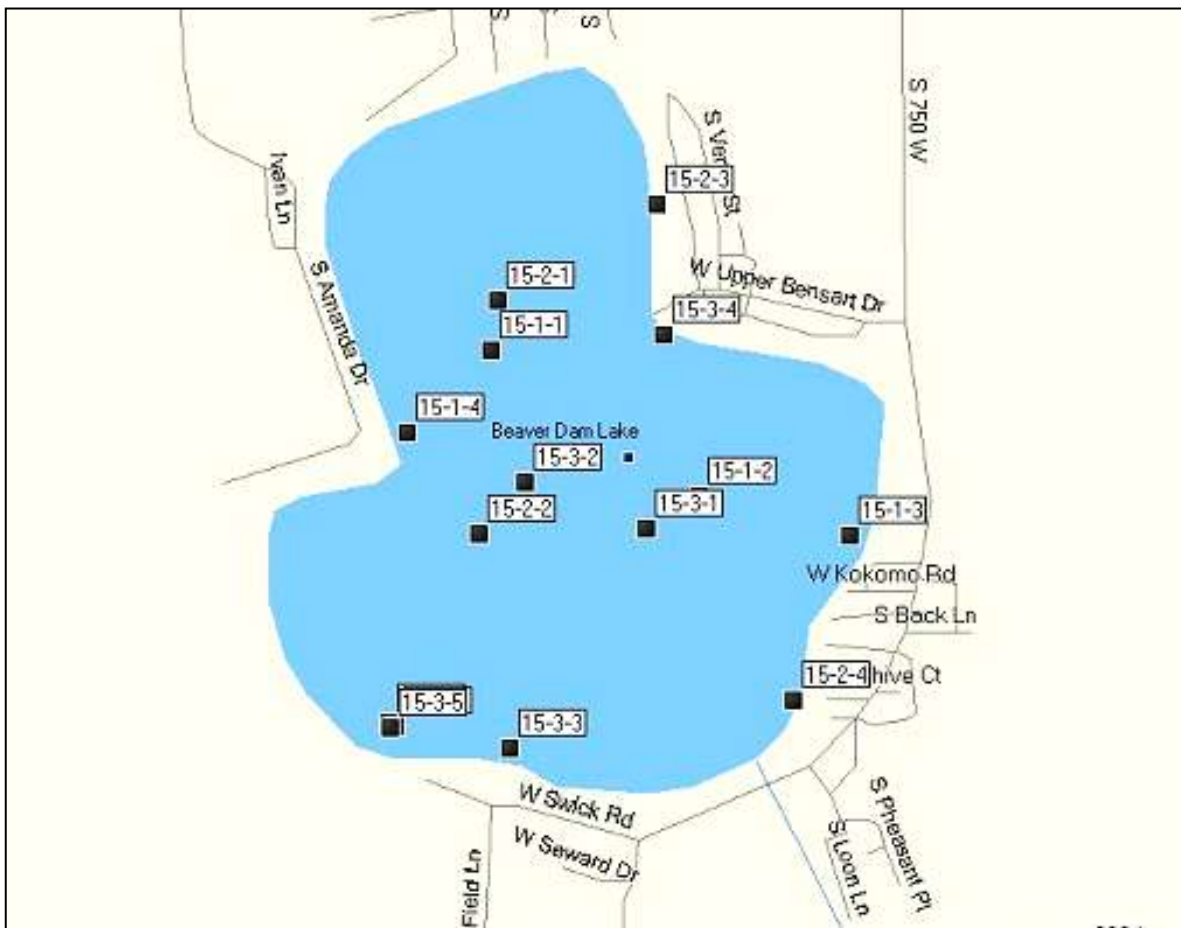
Comparative Study of Kosciusko County Lake Water Quality

Supplemental Report for Beaver Dam Lake

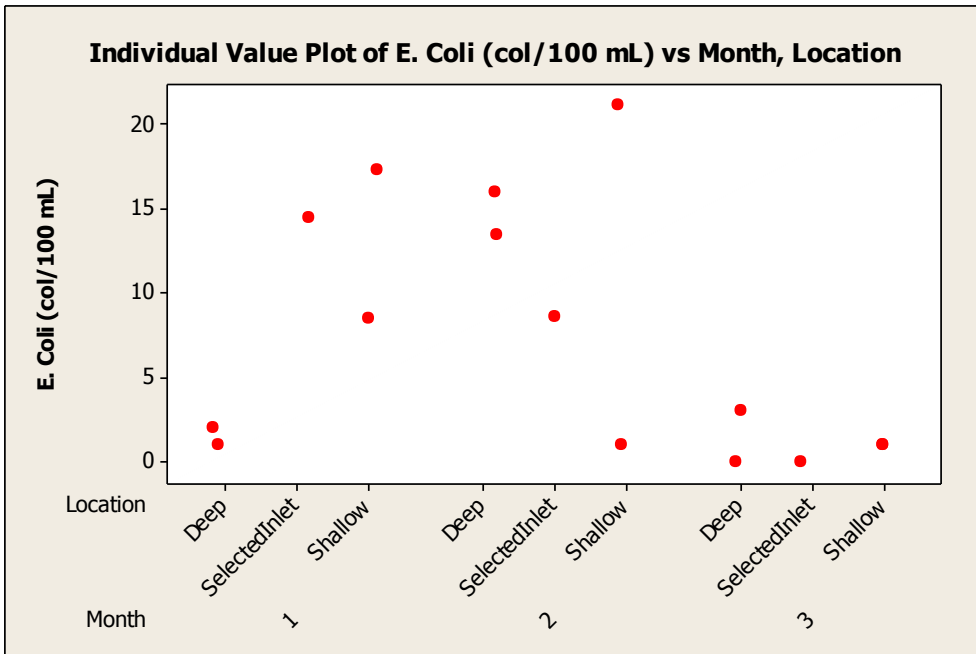
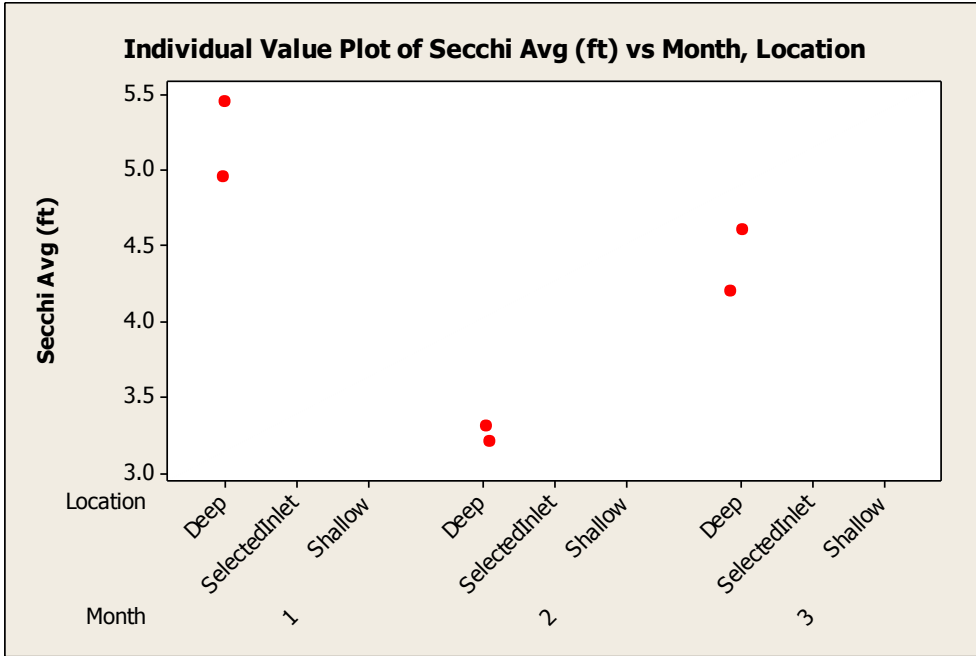
This report is intended to supplement the *Comparative Study of Kosciusko County Lake Water Quality* report. In particular, maps of sampling locations, graphical presentations of individual water quality measurements, and raw data are given. Average measurements and comparisons can be found in the full *Comparative Study* report.

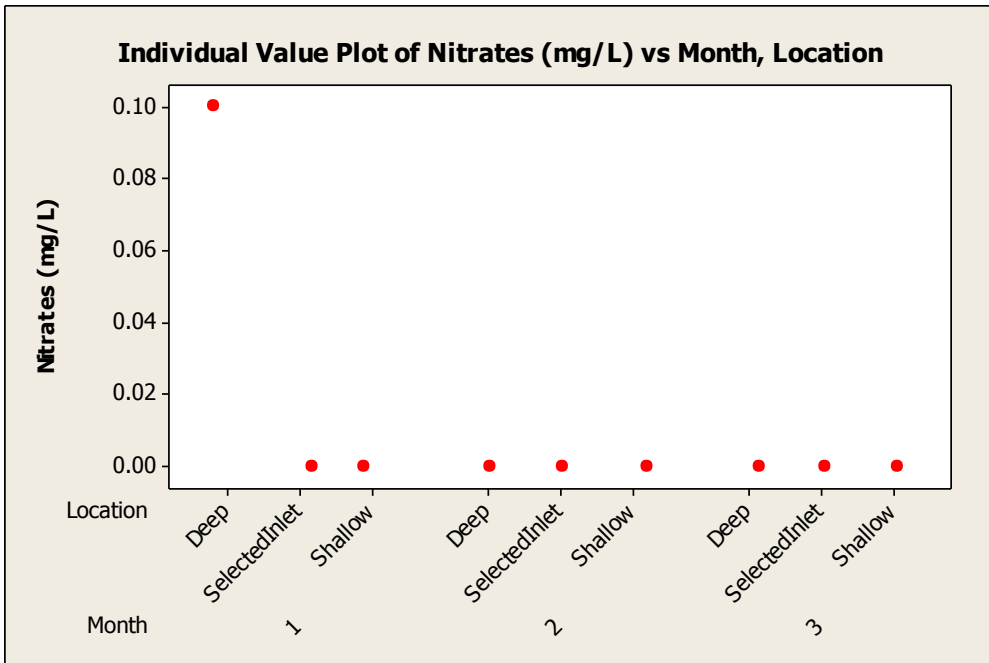
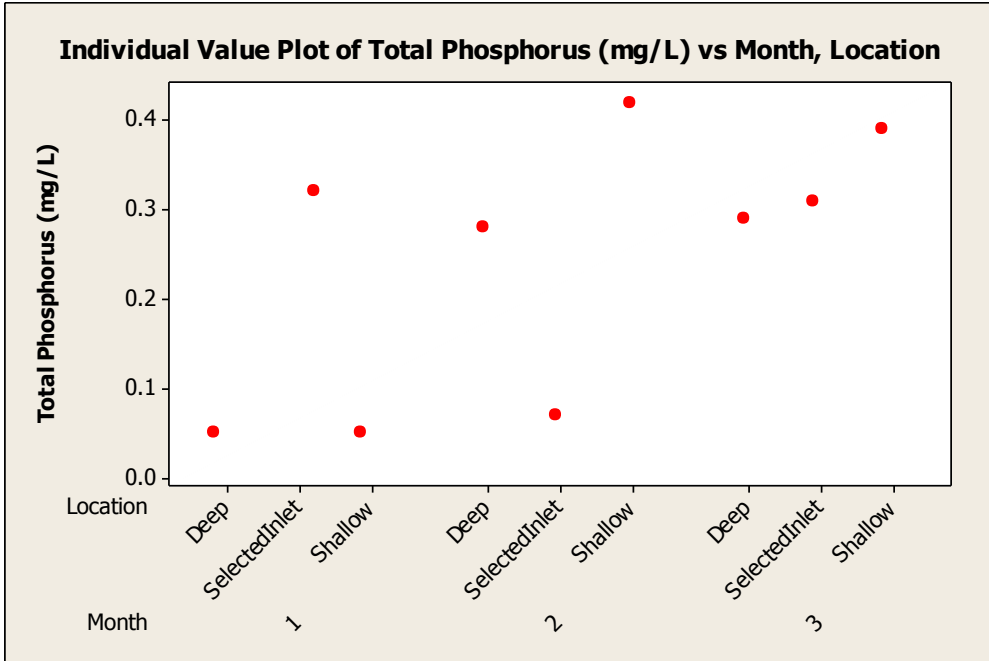
Raw data for Beaver Dam Lake can be found at the end of this report.

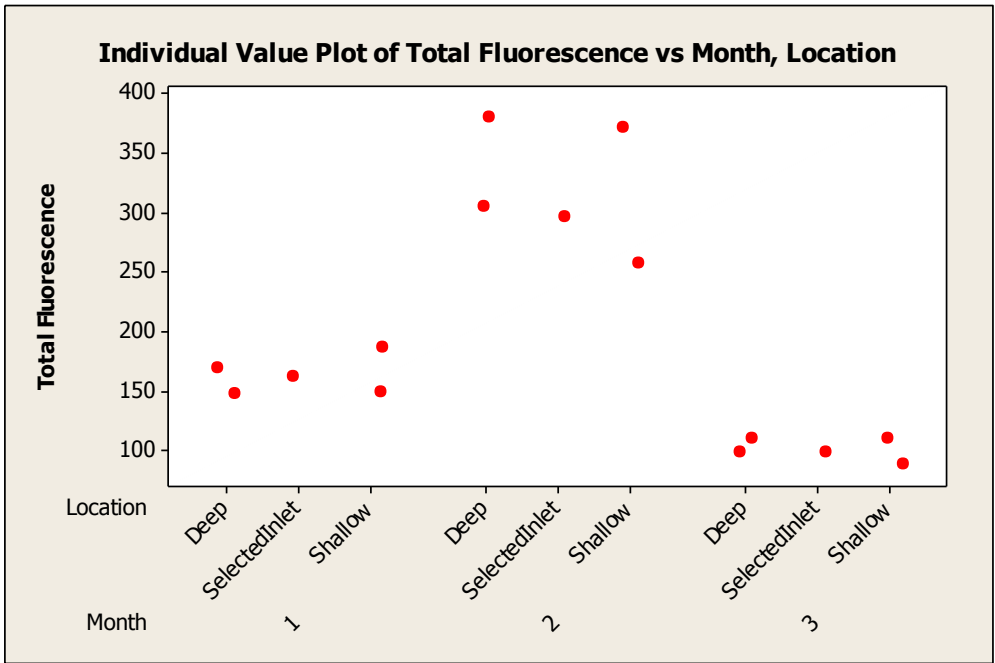
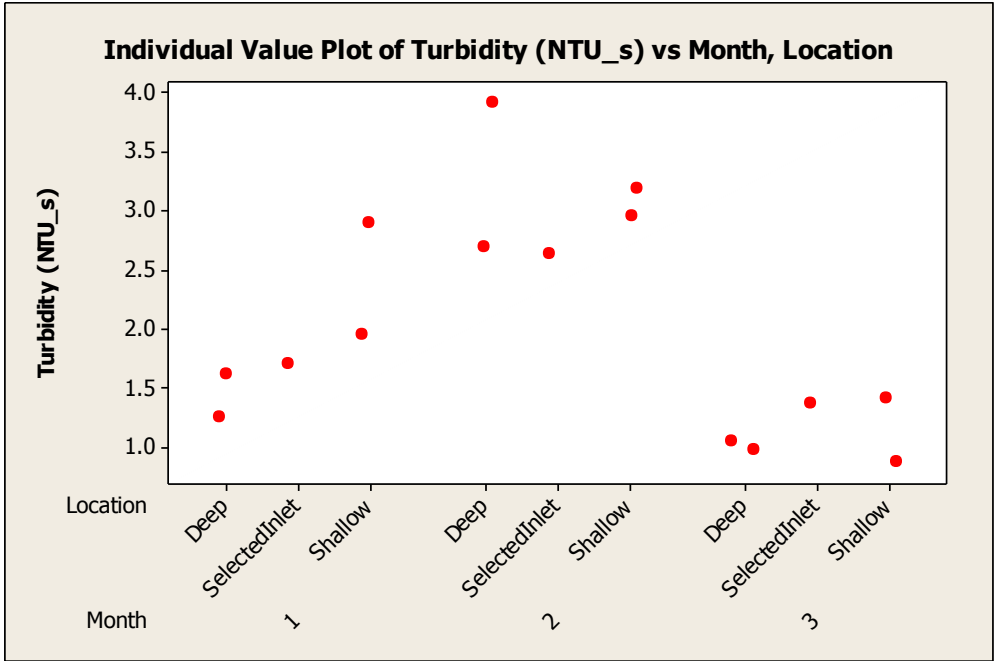
Sampling Locations on Beaver Dam Lake

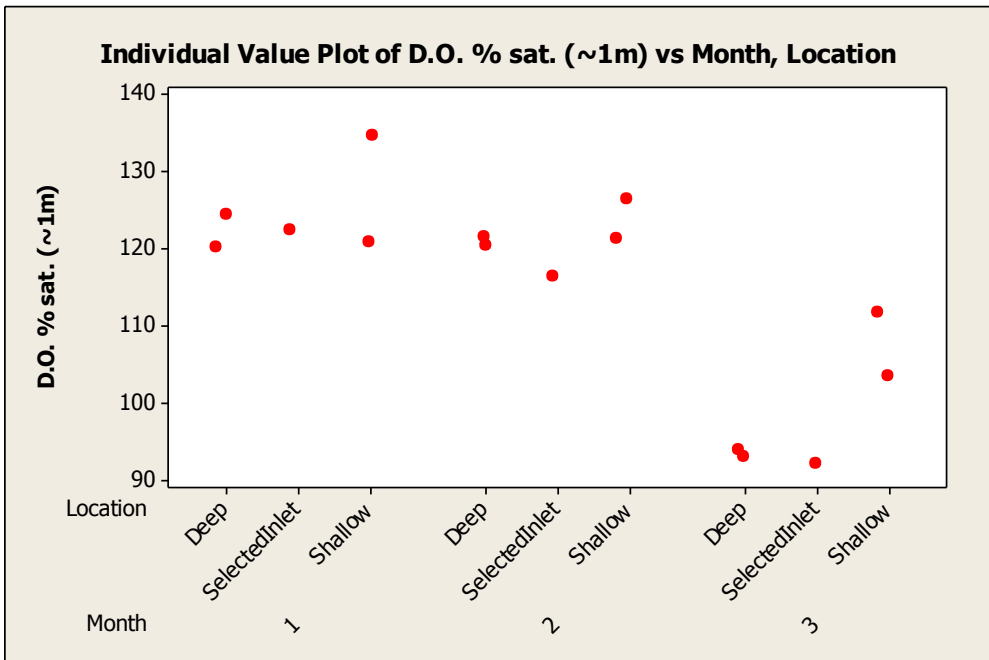
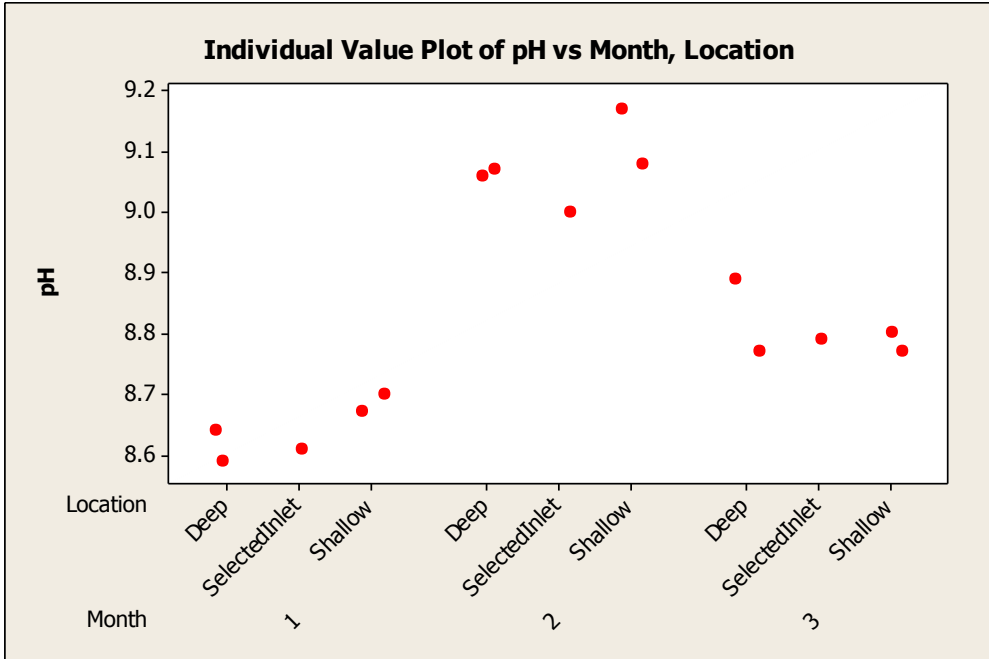


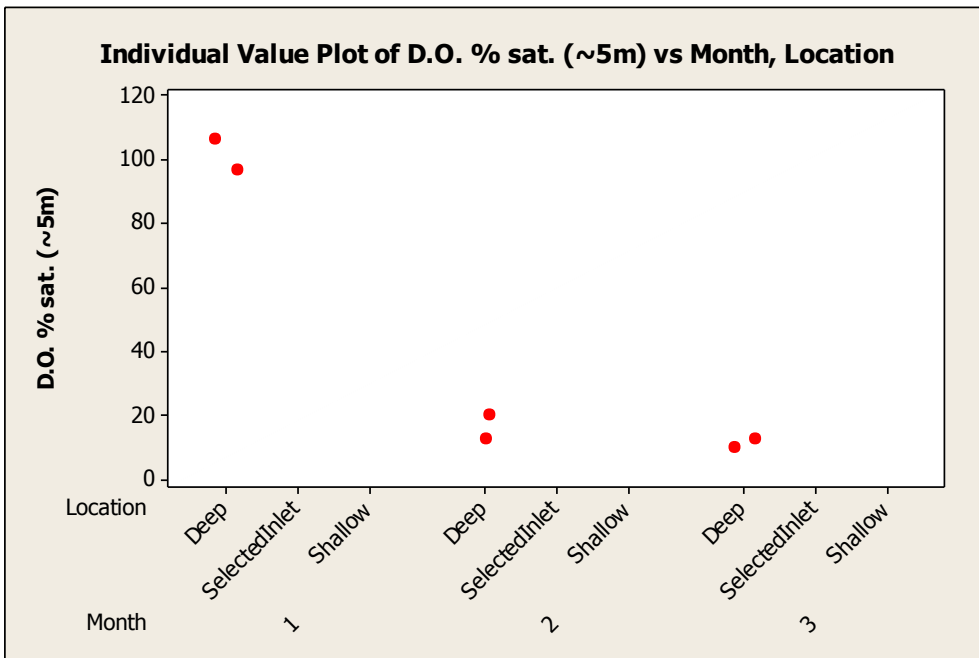
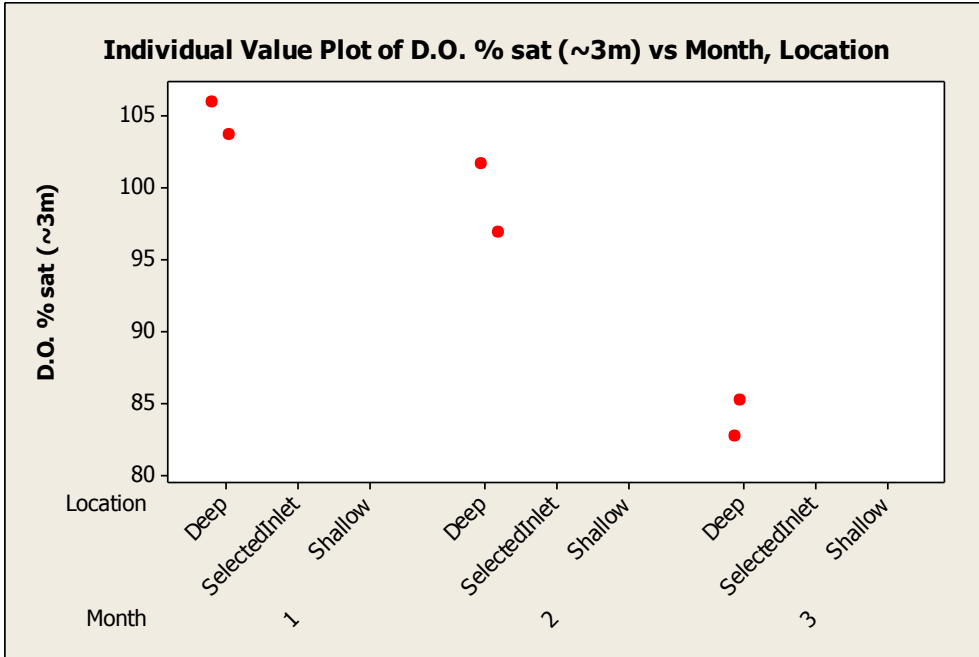
Graphical Presentation of Individual Water Quality Measurements for Beaver Dam Lake











Raw Data for Beaver Dam Lake

Site_1	GPS Location	Date	Time	Time (hr)	Current Weather	Past Weather	E. Coli (col/100 mL)	Total Phosphorus (mg/L)
15-1-1	N41 05.665 W85 58.636	6/26/2007	19:00	19	overcast	showers	1	0.05
15-1-2	N41 05.554 W85 58.425	6/26/2007	18:40	18.6667	overcast	showers	2	
15-1-3	N41 05.524 W85 58.271	6/26/2007	18:35	18.5833	overcast	showers	8.5	0.05
15-1-4	N41 05.603 W85 58.723	6/26/2007	18:50	18.8333	overcast	showers	17.3	
15-1-5	N41 05.380 W85 58.742	6/26/2007	18:45	18.75	overcast	showers	14.5	0.32
15-2-1	N41 05.675 W85 58.624	7/18/2007	11:45	11.75	showers	showers	16	0.28
15-2-2	N41 05.540 W85 58.650	7/18/2007	11:39	11.65	showers	showers	13.4	
15-2-3	N41 05.778 W85 58.468	7/18/2007	11:52	11.8667	overcast	showers	21.1	0.42
15-2-4	N41 05.397 W85 58.328	7/18/2007	11:30	11.5	overcast	showers	1	
15-2-5	N41 05.378 W85 58.735	7/18/2007	11:36	11.6	overcast	showers	8.6	0.07
15-3-1	N41 05.528 W85 58.479	8/6/2007	13:38	13.6333	clear/sunny	storm	0	0.29
15-3-2	N41 05.565 W85 58.602	8/6/2007	13:59	13.9833	clear/sunny	storm	3	
15-3-3	N41 05.360 W85 58.618	8/6/2007	13:48	13.8	clear/sunny	storm	1	0.39
15-3-4	N41 05.677 W85 58.461	8/6/2007	14:06	14.1	clear/sunny	storm	1	
15-3-5	N41 05.376 W85 58.740	8/6/2007	13:53	13.8833	clear/sunny	storm	0	0.31

Site_1	Nitrates (mg/L)	Turbidity (NTU_s)	Total Flourescence	pH	Depth (m)	D.O. % sat. (~1m)	D.O. % sat (~3m)	D.O. % sat. (~5m)
15-1-1	0.1	1.248	147.3	8.64	9.7	124.6	106	96.8
15-1-2		1.612	168.4	8.59	9.1	120.3	103.7	106.4
15-1-3	<0.1	1.944	148.1	8.7	0.8	134.7		
15-1-4		2.897	185.8	8.67	2.3	121		
15-1-5	<0.1	1.705	162.3	8.61	2	122.4		
15-2-1	<0.1	2.699	379.3	9.07	11	120.5	101.7	12.6
15-2-2		3.909	305.4	9.06	9.2	121.6	96.9	20.2
15-2-3	<0.1	3.187	371.4	9.08	0.9	121.3		
15-2-4		2.952	257.6	9.17	0.6	126.5		
15-2-5	<0.1	2.638	296	9	1.6	116.4		
15-3-1	<0.1	1.049	98.89	8.89	7.7	92.9	82.7	10
15-3-2		0.976	110.1	8.77	6.3	93.8	85.2	12.5
15-3-3	<0.1	1.407	110	8.77	0.6	111.8		
15-3-4		0.88	88.31	8.8	0.5	103.5		
15-3-5	<0.1	1.375	97.86	8.79	1.5	92		

Site_1	Temp. C (~1m)	Temp. C (~3m)	Temp. C (~5m)	Secchi down (ft)	Secchi up (ft)	Secchi Avg (ft)	Secchi hit	Air Temp. C
15-1-1	27.6	24.5	15.1	5.1	4.8	4.95		29
15-1-2	27.9	24.5	15.5	5.7	5.2	5.45		29.9
15-1-3	29.2						x	30.1
15-1-4	27.3							29
15-1-5	27.5							29.7
15-2-1	25.7	25.4	19.7	3.4	3.2	3.3		30.8
15-2-2	25	25.3	22	3.3	3.1	3.2		30.1
15-2-3	25.8						x	30.7
15-2-4	25.8						x	30.2
15-2-5	25.6							30.1
15-3-1	27.9	27.4	21.1	4.7	4.5	4.6		34.3
15-3-2	27.8	27.4	22.5	4.3	4.1	4.2		37.5
15-3-3	29.5						x	38.3
15-3-4	29.4						x	36.2
15-3-5	27.9							38.5