

Comparative Study of Kosciusko County Lake Water Quality

Supplemental Report for Dewart Lake

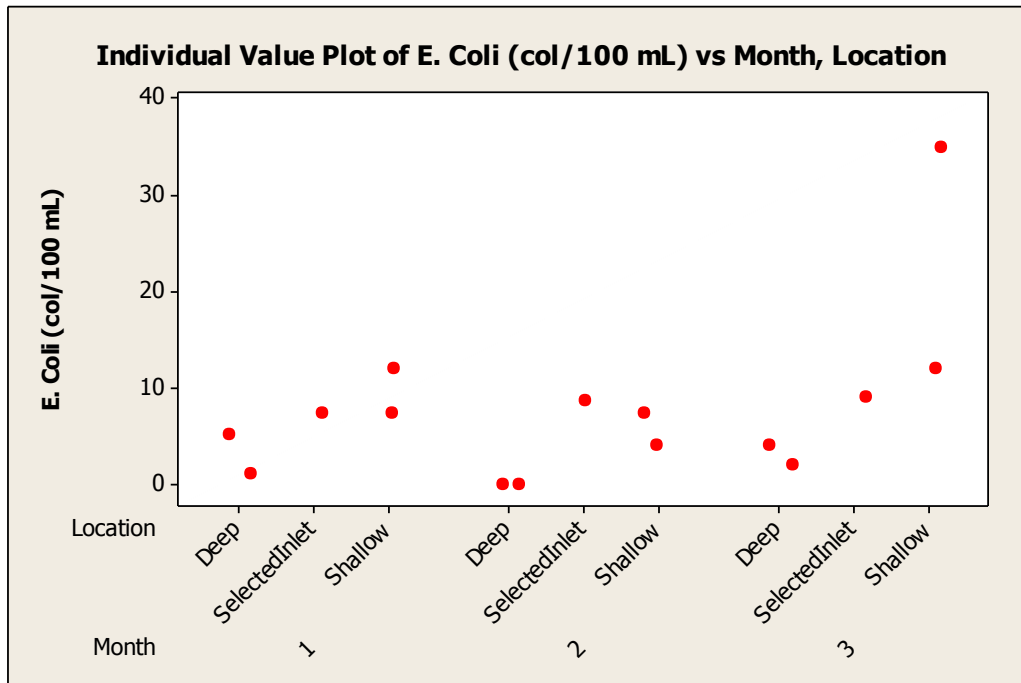
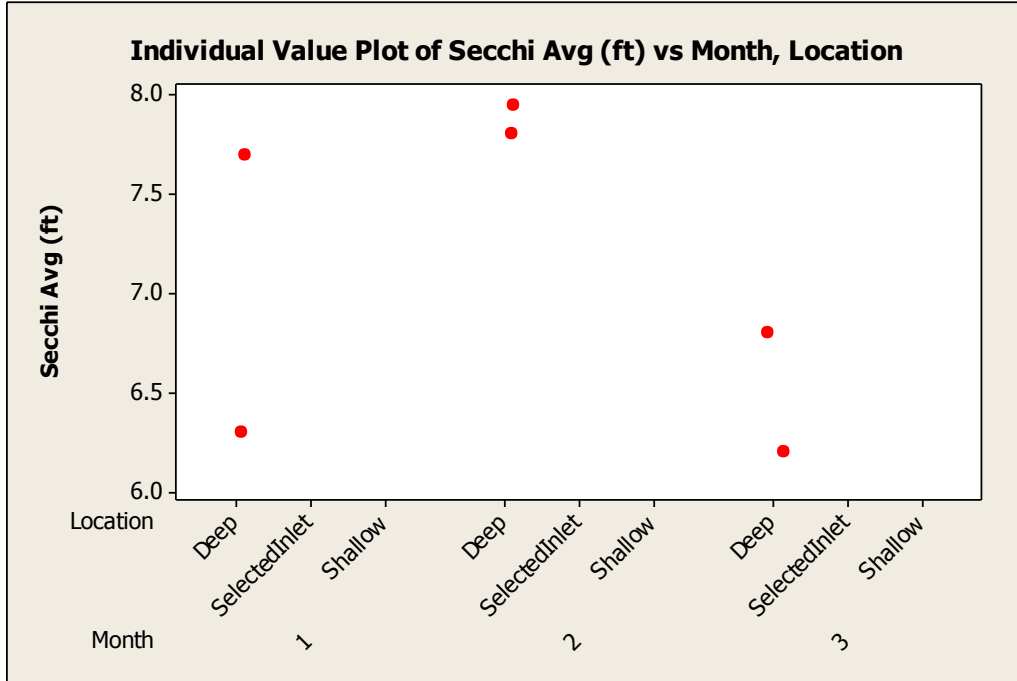
This report is intended to supplement the *Comparative Study of Kosciusko County Lake Water Quality* report. In particular, maps of sampling locations, graphical presentations of individual water quality measurements, and raw data are given. Average measurements and comparisons can be found in the full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

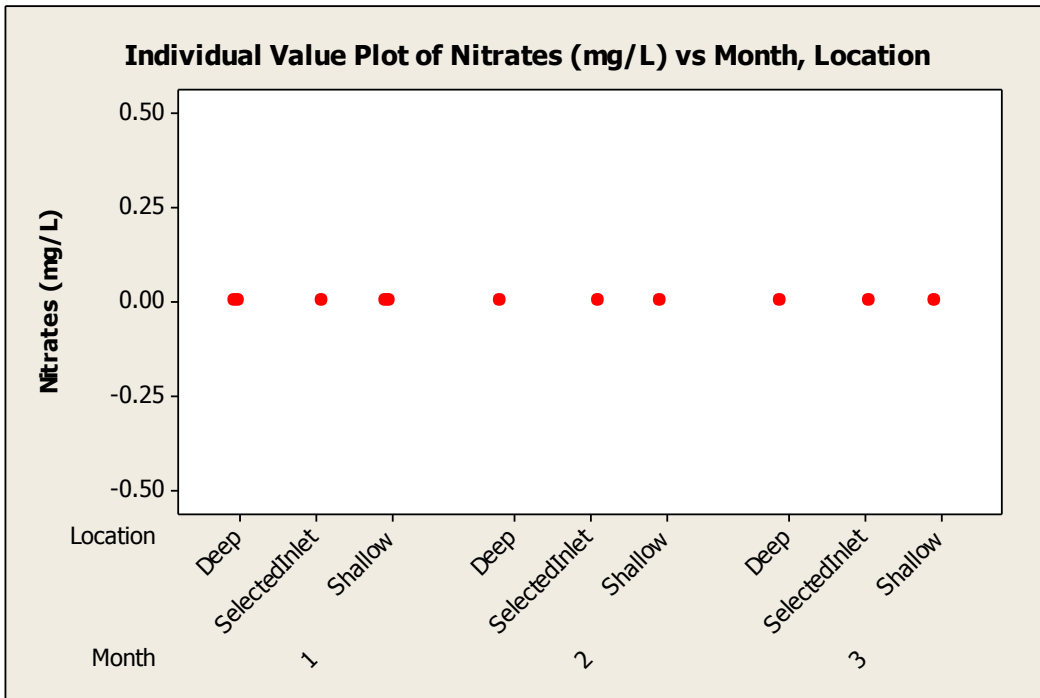
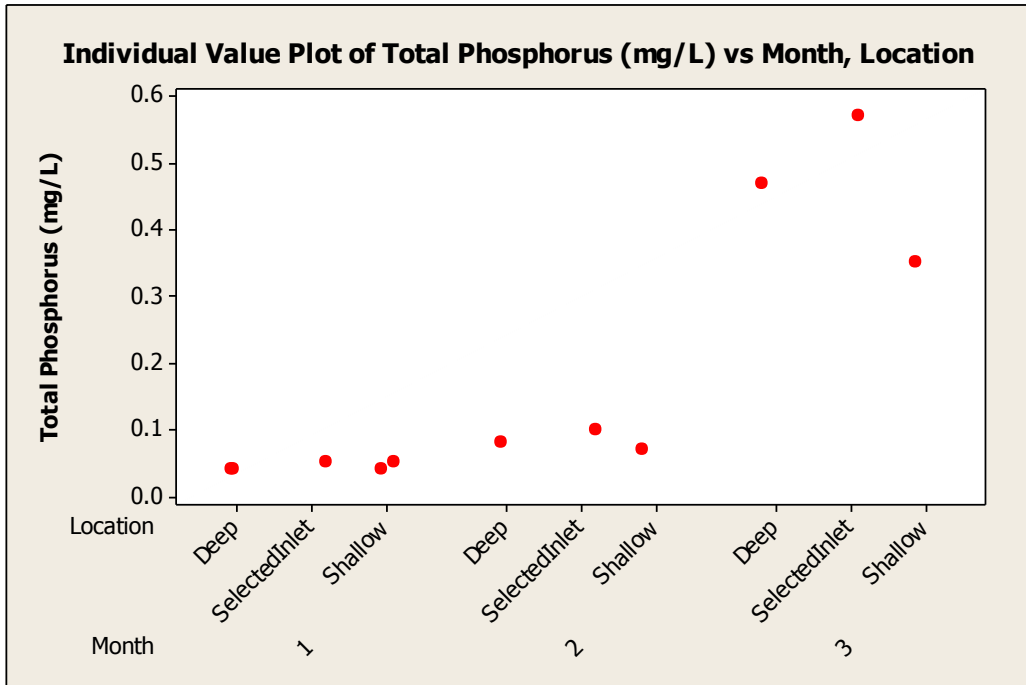
Raw data for Dewart Lake can be found at the end of this report.

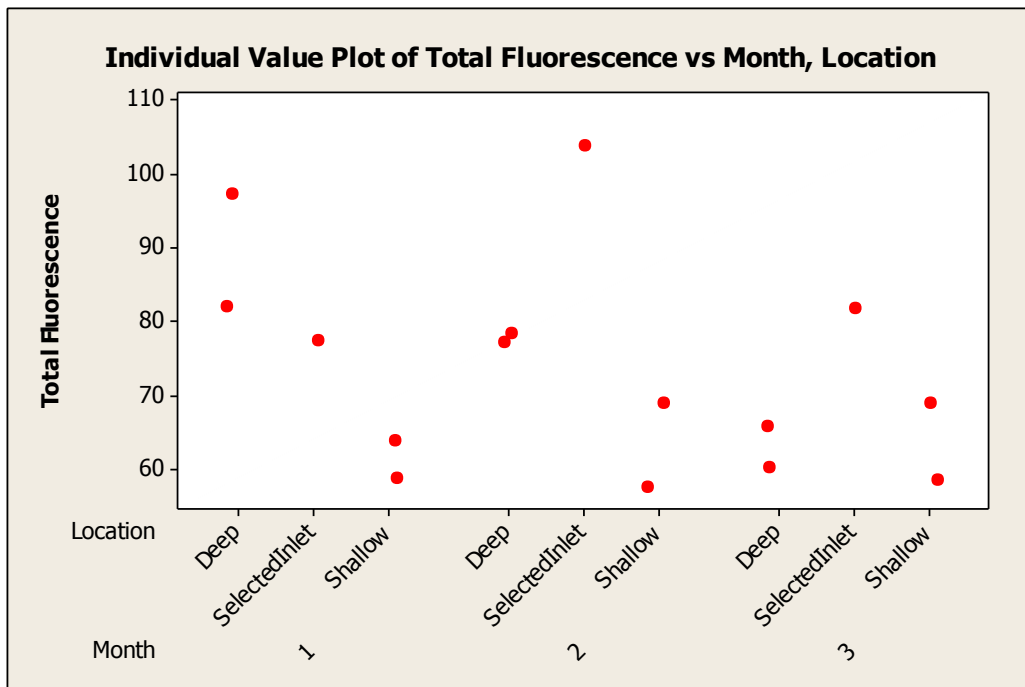
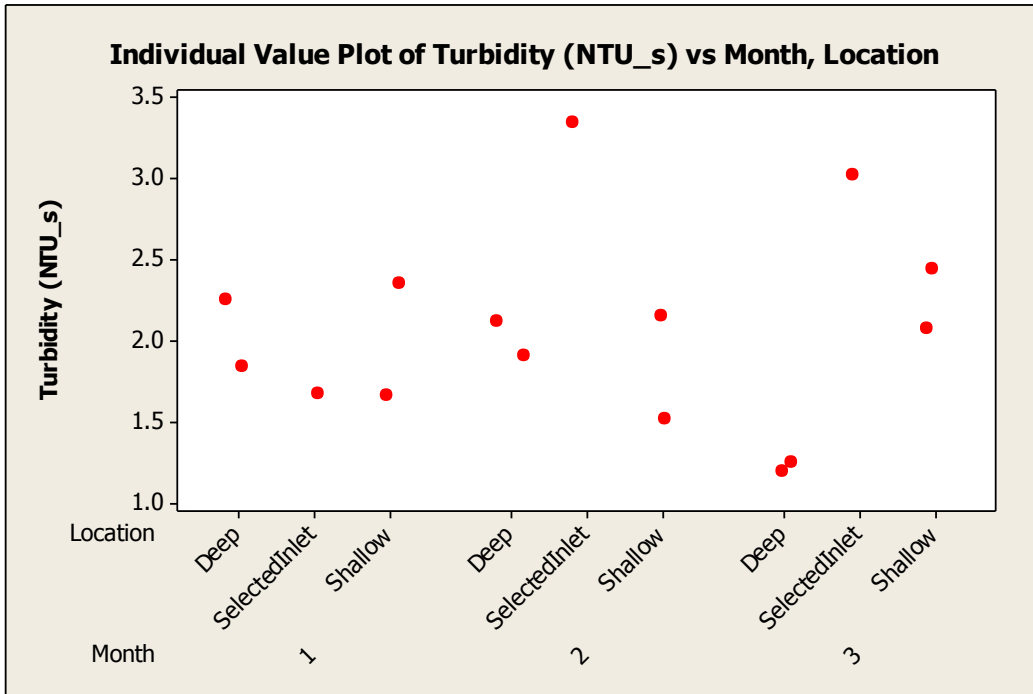
Sampling Locations on Dewart Lake

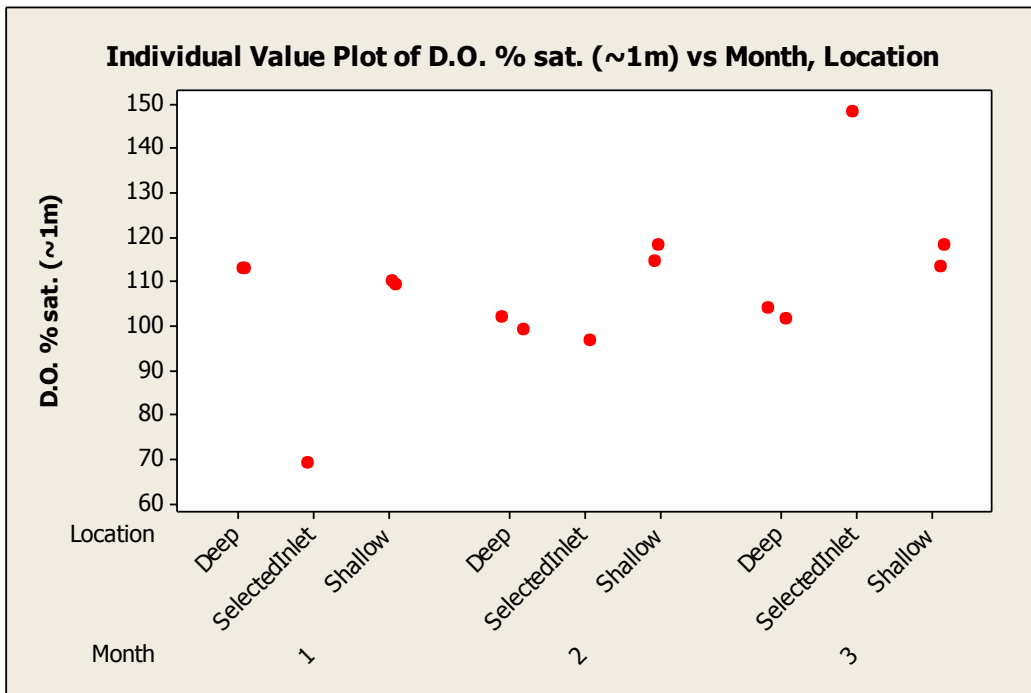
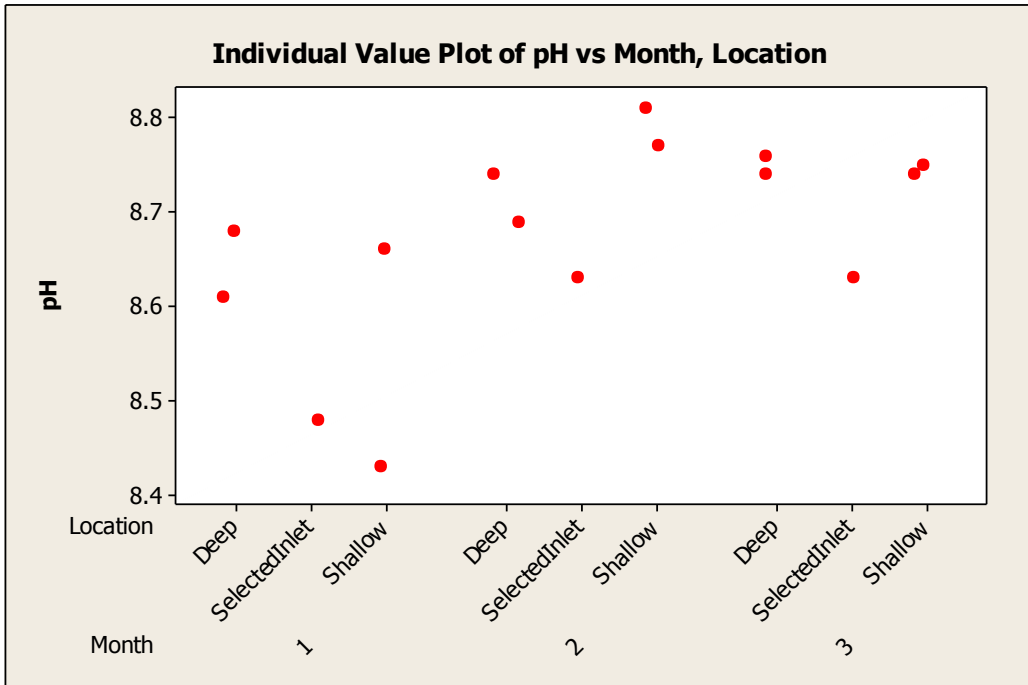


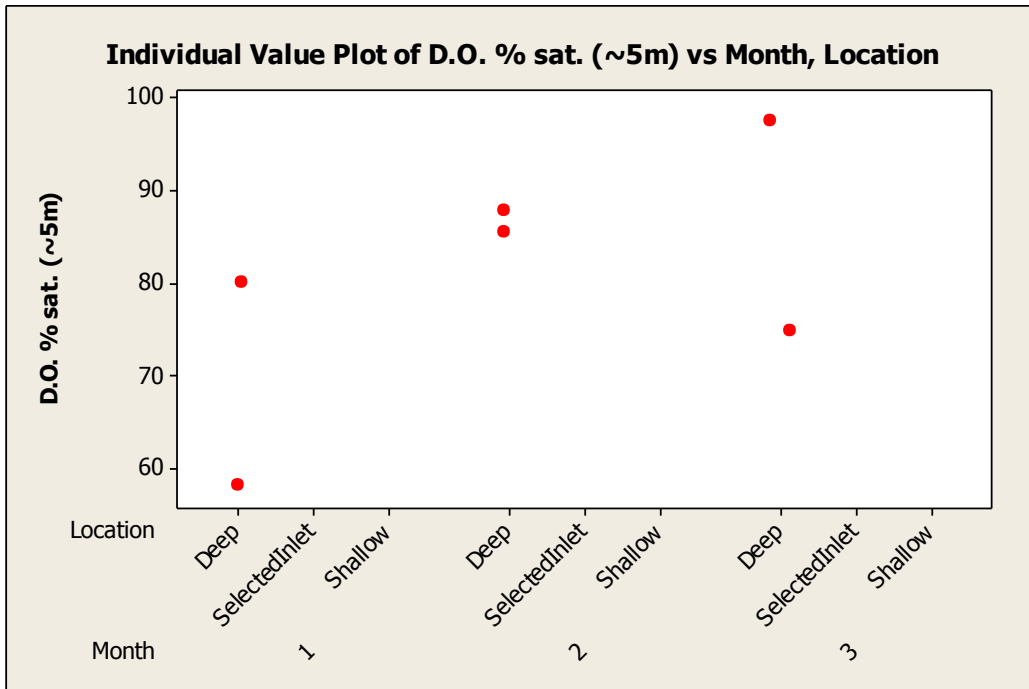
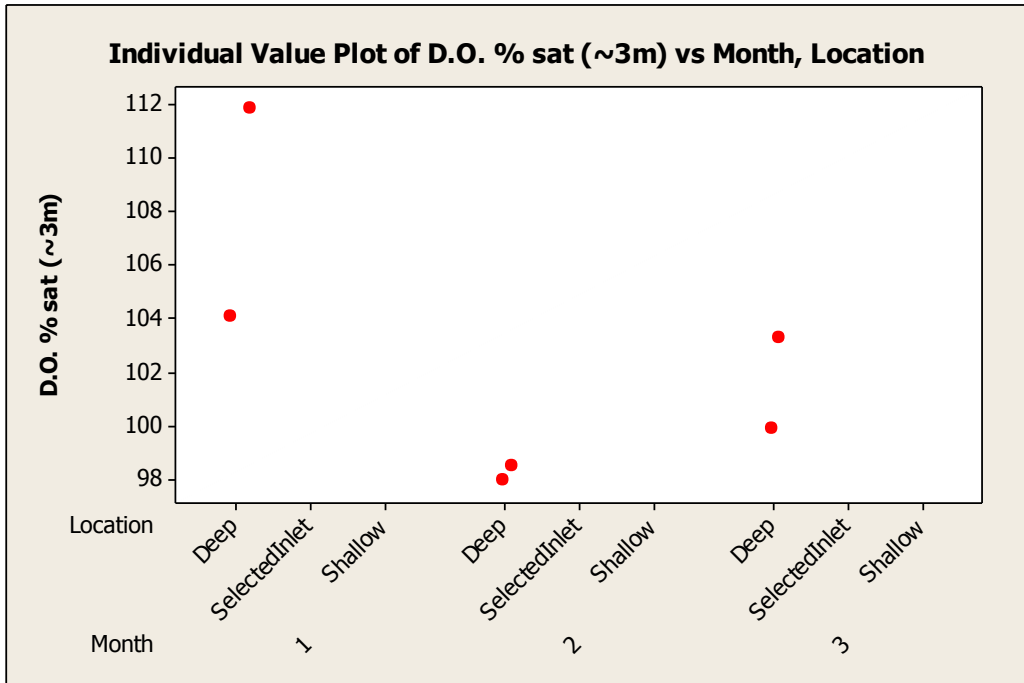
Graphical Presentation of Individual Water Quality Measurements for Dewart Lake











Raw Data for Dewart Lake

Site_1	GPS Location	Date	Time	Time (hr)	Current Weather	Past Weather	E. Coli (col/100 mL)	Total Phosphorus (mg/L)
	N41 22.447 W85							
09-1-1	46.876	6/28/2007	11:31	11.5167	overcast	rain	1	0.04
	N41 22.267 W85							
09-1-2	46.120	6/28/2007	11:45	11.75	overcast	rain	5.2	0.04
	N41 22.446 W85							
09-1-3	46.225	6/28/2007	11:40	11.6667	overcast	rain	12	0.05
	N41 21.946 W85							
09-1-4	46.042	6/28/2007	12:07	12.1167	overcast	rain	7.4	0.04
	N41 21.798 W85							
09-1-5	45.548	6/28/2007	11:57	11.95	overcast	rain	7.3	0.05
	N41 22.197 W85							
09-2-1	46.681	7/16/2007	20:43	20.7167	overcast	clear/sunny	0	0.08
	N41 22.465 W85							
09-2-2	46.824	7/16/2007	20:28	20.4667	overcast	clear/sunny	0	
	N41 22.626 W85							
09-2-3	47.004	7/16/2007	20:15	20.25	overcast	clear/sunny	4.1	0.07
	N41 22.327 W85							
09-2-4	46.912	7/16/2007	20:36	20.6	overcast	clear/sunny	7.4	
	N41 21.800 W85							
09-2-5	45.553	7/16/2007	21:01	21.0167	overcast	clear/sunny	8.6	0.1
	N41 22.368 W85							
09-3-1	46.350	8/7/2007	17:44	17.7333	clear/sunny	storm	4	0.47
	N41 22.052 W85							
09-3-2	45.983	8/7/2007	17:18	17.3	clear/sunny	storm	2	
	N41 22.015 W85							
09-3-3	46.843	8/7/2007	17:05	17.0833	clear/sunny	storm	35	0.35
	N41 22.181 W85							
09-3-4	45.813	8/7/2007	17:35	17.5833	clear/sunny	storm	12	
	N41 21.788 W85							
09-3-5	45.563	8/7/2007	17:27	17.45	clear/sunny	storm	9	0.57

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)
09-1-1	<0.1	1.839	97.36	8.61	8.4	112.9	104.1	80
09-1-2	<0.1	2.251	81.9	8.68	8.5	112.9	111.8	58.2
09-1-3	<0.1	2.355	58.59	8.66	1.3	109.3		
09-1-4	<0.1	1.66	63.68	8.43	1	110		
09-1-5	<0.1	1.675	77.47	8.48	1.3	68.9		
09-2-1	<0.1	2.117	77.12	8.69	8.5	99.1	98	87.9
09-2-2		1.914	78.37	8.74	11	101.9	98.5	85.4
09-2-3	<0.1	1.516	68.88	8.77	1.1	114.3		
09-2-4		2.152	57.56	8.81	0.6	118.3		
09-2-5	<0.1	3.356	103.8	8.63	1.2	96.7		
09-3-1	<0.1	1.246	65.78	8.74	5.6	101.5	99.9	74.9
09-3-2		1.193	60.1	8.76	8.5	104	103.3	97.4
09-3-3	<0.1	2.079	58.42	8.75	0.8	118.2		
09-3-4		2.449	68.82	8.74	0.9	113.2		
09-3-5	<0.1	3.024	81.75	8.63	1.3	148.3		

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
09-1-1	26	25.8	23.4	7.8	7.6	7.7		
09-1-2	26.4	25.6	22.6	6.5	6.1	6.3		
09-1-3	26.5						X	
09-1-4	26.2						X	
09-1-5	25.8						X	
09-2-1	25.4	25.1	24.5	7.9	7.7	7.8		25
09-2-2	25.6	25	24.4	8.1	7.8	7.95		25.4
09-2-3	25.5						x	26.4
09-2-4	25.4						x	25
09-2-5	26.6						x	24.3
09-3-1	29	28.6	25.8	6.9	6.7	6.8		31.6
09-3-2	29.2	28.9	27.4	6.3	6.1	6.2		34.6
09-3-3	28.8						x	32.8
09-3-4	30.1						x	33
09-3-5	29.9						x	33.1