

## Comparative Study of Kosciusko County Lake Water Quality

### *Supplemental Report for McClures Lake*

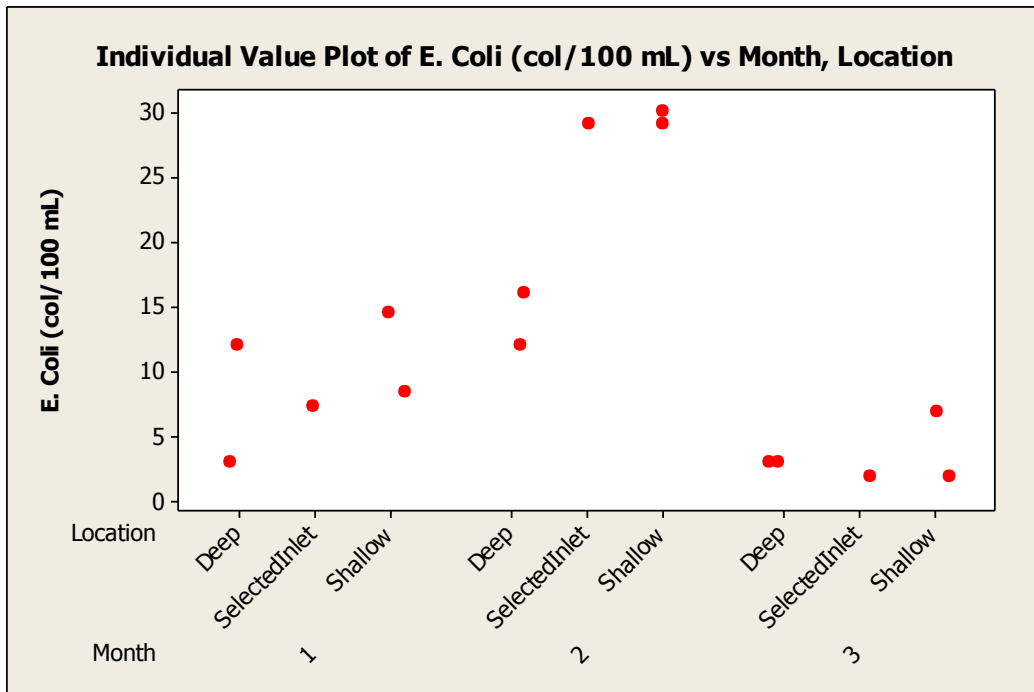
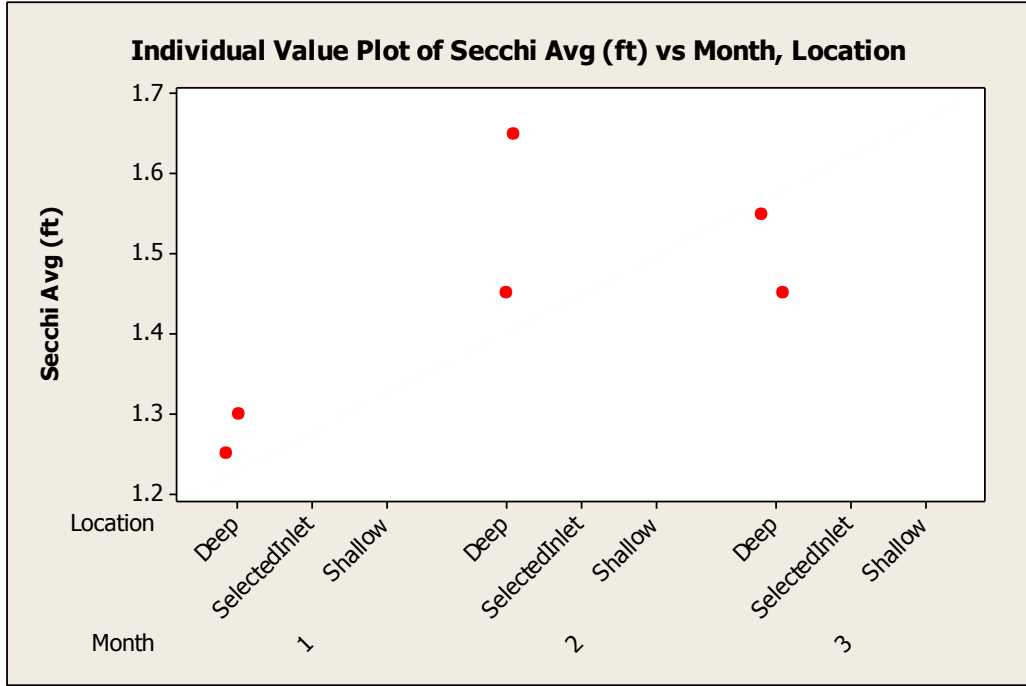
This report is intended to supplement the *Comparative Study of Kosciusko County Lake Water Quality* report. In particular, maps of sampling locations, graphical presentations of individual water quality measurements, and raw data are given. Average measurements and comparisons can be found in the full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

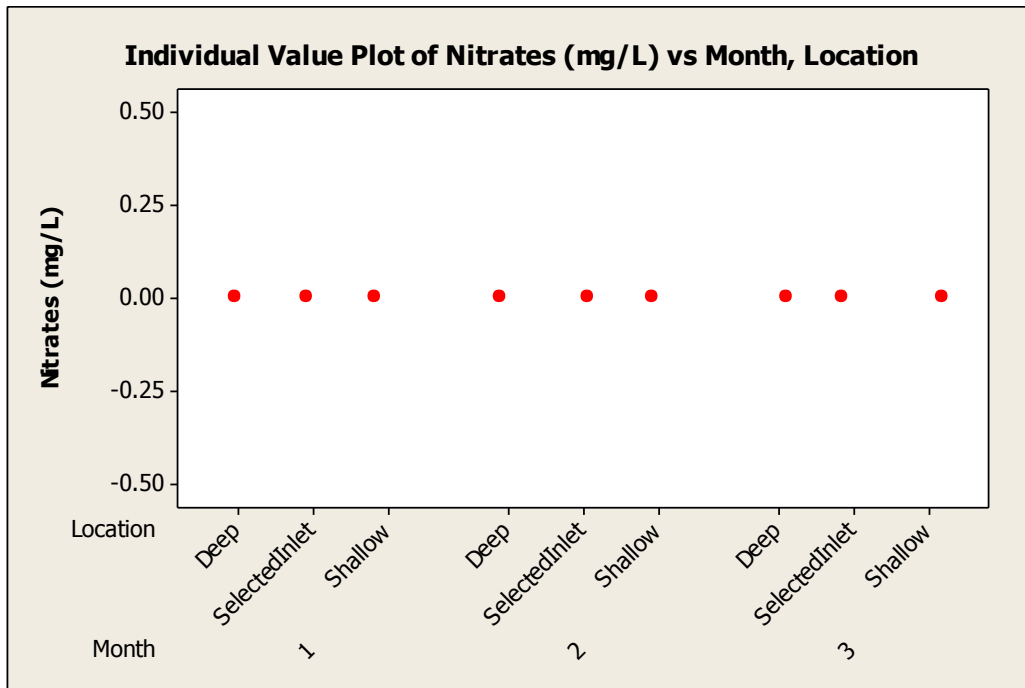
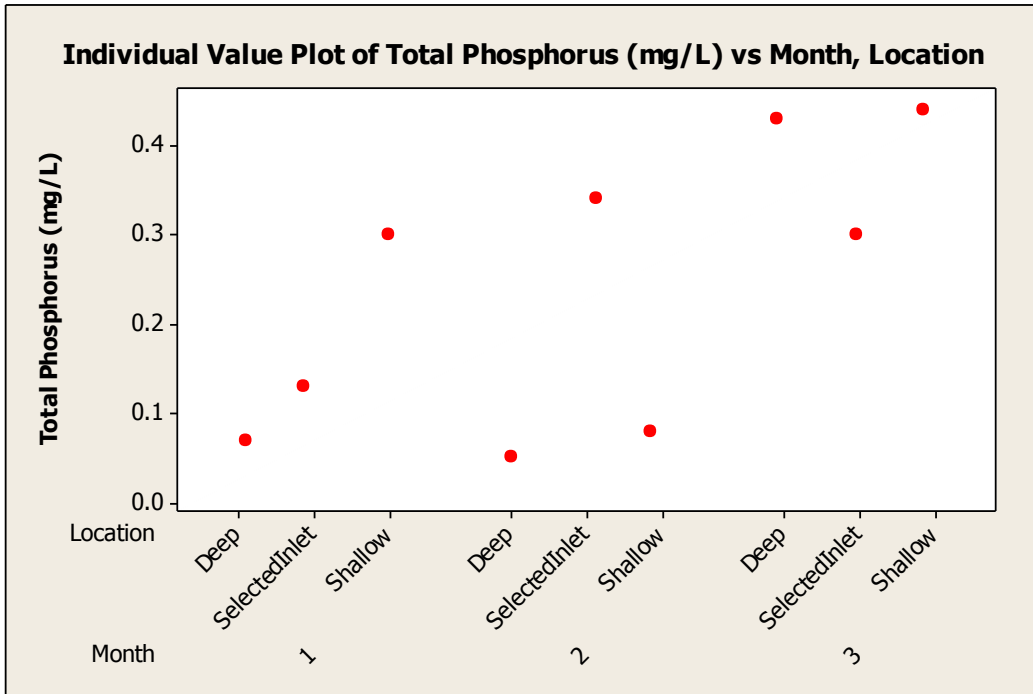
Raw data for McClures Lake can be found at the end of this report.

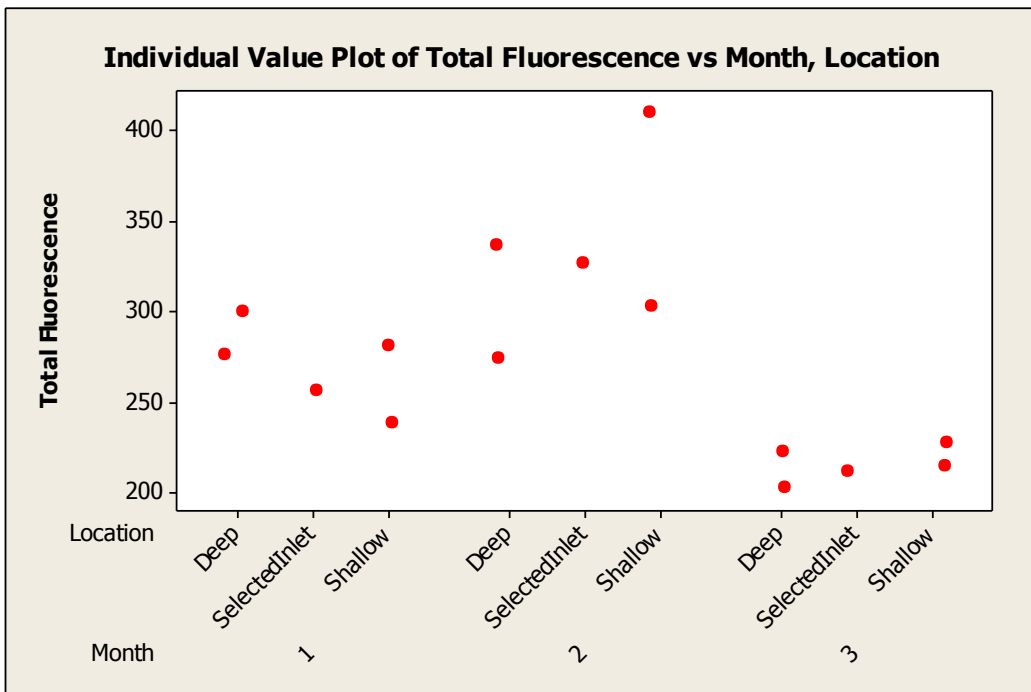
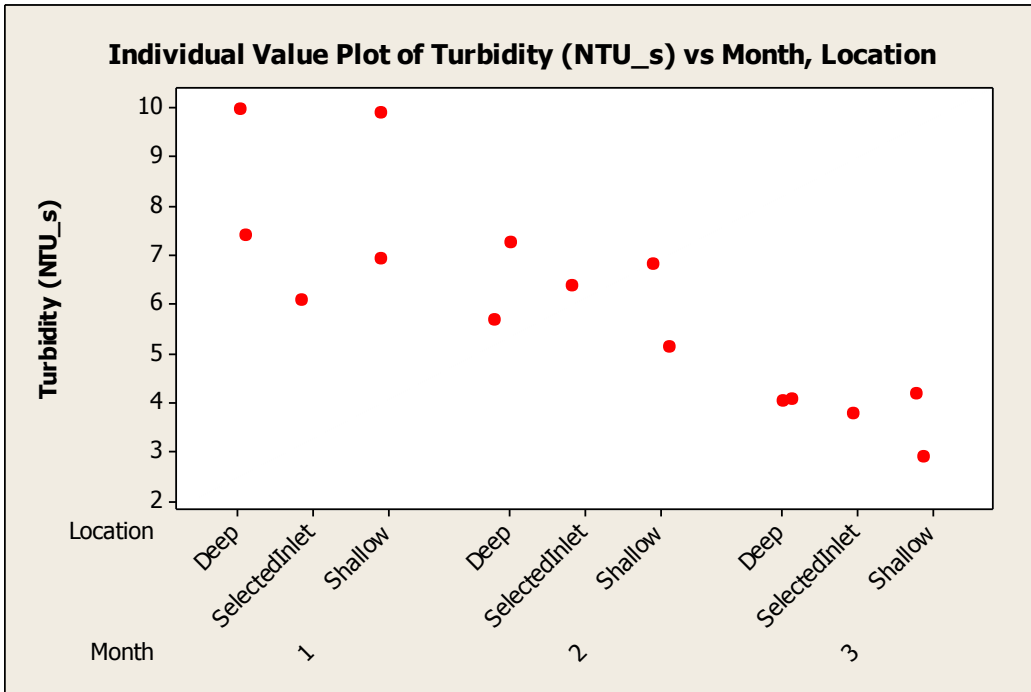
### Sampling Locations on McClures Lake

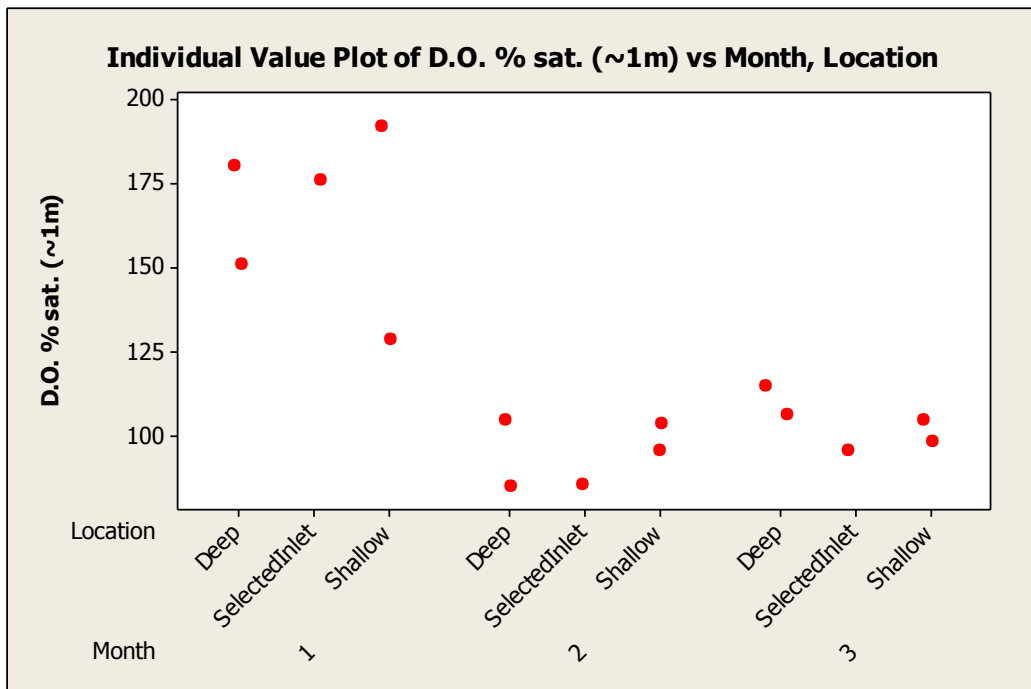
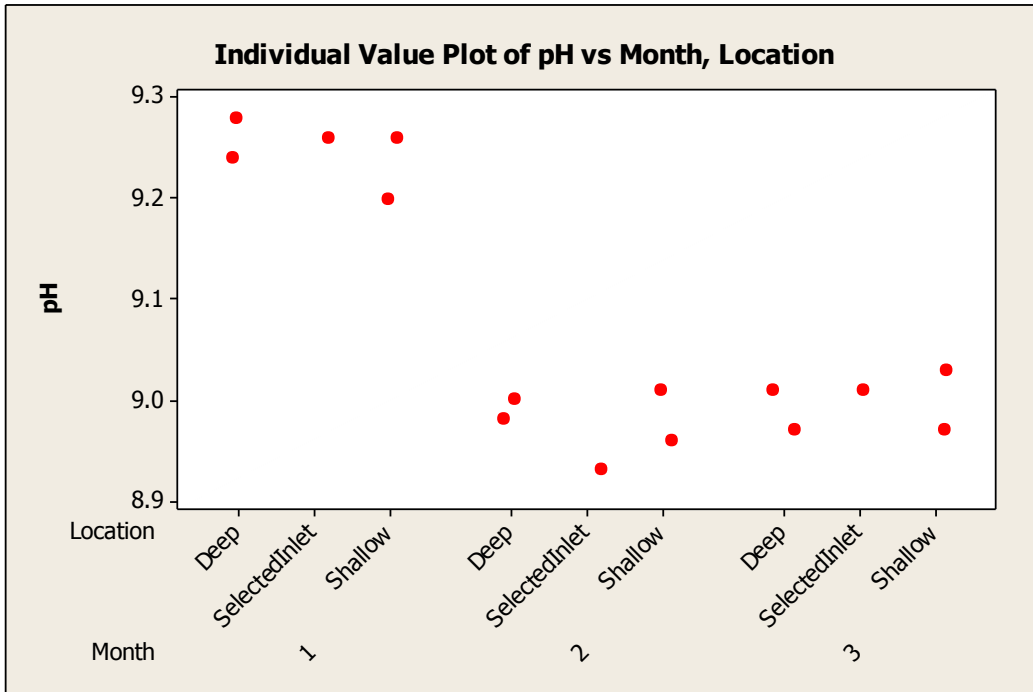


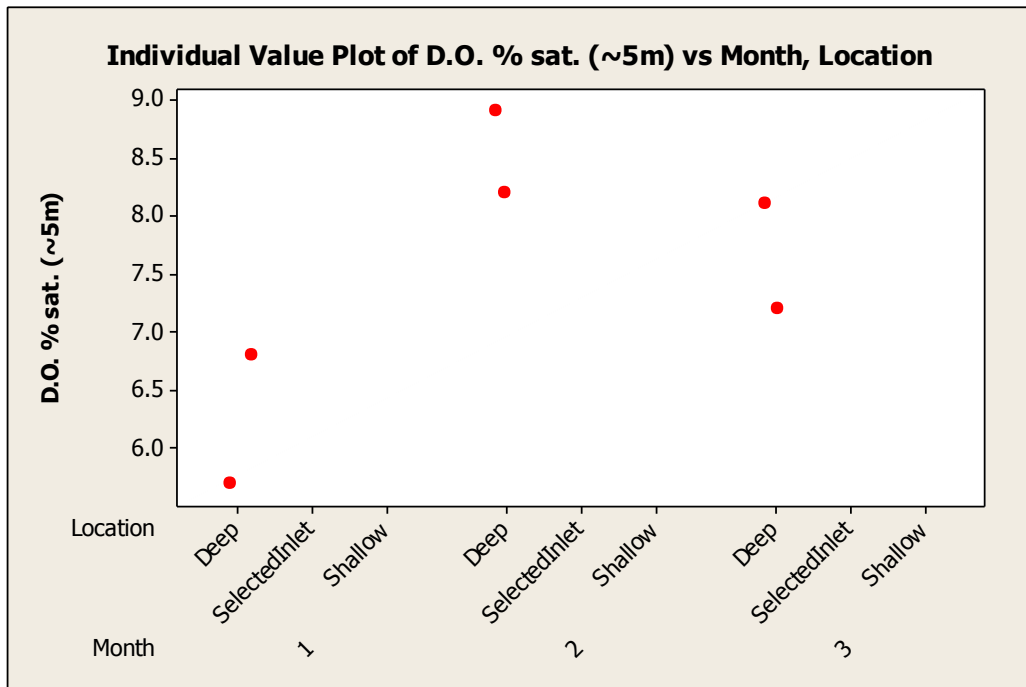
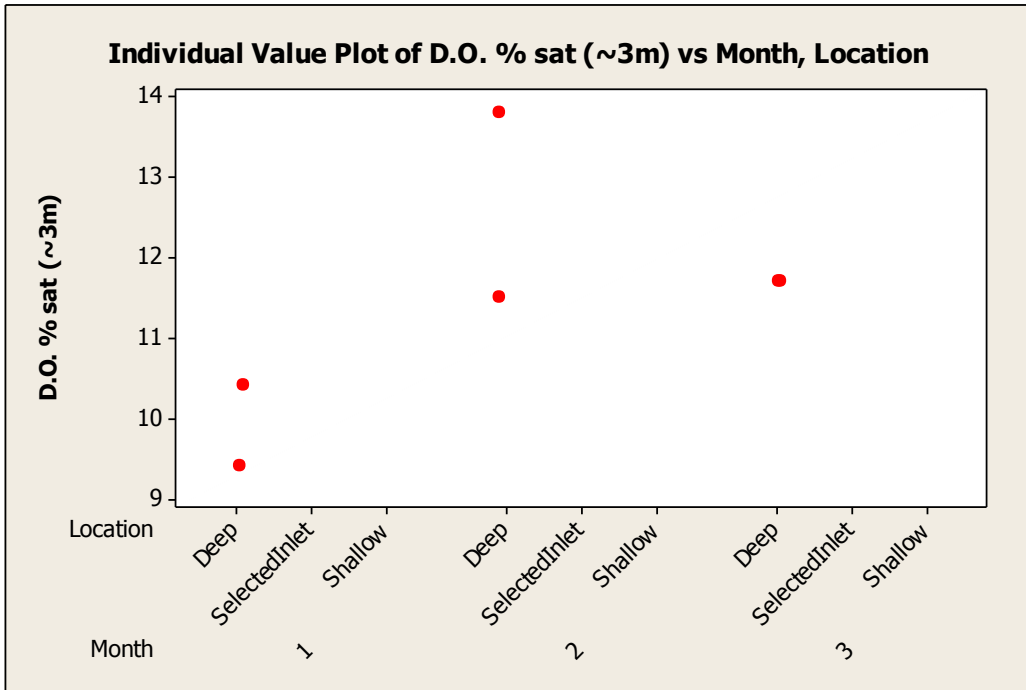
**Graphical Presentation of Individual Water Quality Measurements for McClures Lake**











## Raw Data for McClures Lake

Site	GPS Location	Date	Time	Time (hr)	Current Weather	Past Weather	E. Coli (col/100 mL)	Total Phosphorus (mg/L)
13-1-1	N41 04.827 W85	6/26/2007	18:05	18.0833	overcast	showers	12.1	0.07
	57.152							
13-1-2	N41 04.792 W85	6/26/2007	17:59	17.9833	overcast	showers	3	
	57.131							
13-1-3	N41 04.854 W85	6/26/2007	17:50	17.8333	clear/sunny	showers	8.5	0.3
	57.054							
13-1-4	N41 04.836 W85	6/26/2007	18:10	18.1667	overcast	showers	14.6	
	57.249							
13-1-5	N41 04.724 W85	6/26/2007	17:56	17.9333	clear/sunny	showers	7.4	0.13
	57.129							
13-2-1	N41 04.886 W85	7/18/2007	9:59	9.9833	clear/sunny	showers	16.1	0.05
	57.203							
13-2-2	N41 04.814 W85	7/18/2007	10:07	10.1167	clear/sunny	showers	12.1	
	57.179							
13-2-3	N41 04.932 W85	7/18/2007	9:55	9.9167	clear/sunny	showers	30.1	0.08
	57.176							
13-2-4	N41 04.892 W85	7/18/2007	10:03	10.05	clear/sunny	showers	29.2	
	57.339							
13-2-5	N41 04.724 W85	7/18/2007	10:10	10.1667	clear/sunny	showers	29.2	0.34
	57.135							
13-3-1	N41 04.878 W85	8/6/2007	18:54	18.9	overcast	storm	3	0.43
	57.219							
13-3-2	N41 04.796 W85	8/6/2007	18:40	18.6667	overcast	storm	3	
	57.140							
13-3-3	N41 04.943 W85	8/6/2007	18:46	18.7667	overcast	storm	7	0.44
	57.367							
13-3-4	N41 04.765 W85	8/6/2007	18:34	18.5667	overcast	storm	2	
	57.058							
13-3-5	N41 04.722 W85	8/6/2007	18:37	18.6167	overcast	storm	2	0.3
	57.142							

Site	Nitrates (mg/L)	Turbidity (NTU_s)	Total Flourescence	pH	Depth (m)	D.O. % sat. (~1m)	D.O. % sat (~3m)	D.O. % sat. (~5m)
13-1-1	<0.1	7.373	299.6	9.28	8.1	151.1	9.4	5.7
13-1-2		9.969	275.8	9.24	8.3	180.5	10.4	6.8
13-1-3	<0.1	6.93	238.2	9.2	1	192.1		
13-1-4		9.866	280.7	9.26	2	128.7		
13-1-5	<0.1	6.088	255.9	9.26	2.5	176.3		
13-2-1	<0.1	5.663	336.3	8.98	5.6	85.1	13.8	8.9
13-2-2		7.236	273.8	9	7.5	104.5	11.5	8.2
13-2-3	<0.1	5.105	409.6	8.96	1.3	95.8		
13-2-4		6.808	302.9	9.01	1	103.5		
13-2-5	<0.1	6.346	326.4	8.93	2.5	85.5		
13-3-1	<0.1	4.005	222.3	9.01	5.9	114.9	11.7	7.2
13-3-2		4.058	203	8.97	8.4	106.1	11.7	8.1
13-3-3	<0.1	4.159	227.4	9.03	1.2	104.6		
13-3-4		2.898	214.7	8.97	2.1	98.2		
13-3-5	<0.1	3.769	211.6	9.01	2.3	95.8		

Site	Temp. C (~1m)	Temp. C (~3m)	Temp. C (~5m)	Secchi down (ft)	Secchi up (ft)	Secchi Avg (ft)	Secchi hit	Air Temp. C
13-1-1	25.7	19.7	9.2	1.3	1.2	1.25		30.3
13-1-2	25.8	18.2	9.3	1.4	1.2	1.3		30.7
13-1-3	29.7							31.2
13-1-4	28.4							29.8
13-1-5	29.8							30.8
13-2-1	25.6	19.6	11	1.5	1.4	1.45		26.4
13-2-2	25.6	18.4	10	1.7	1.6	1.65		26.4
13-2-3	25.8							26.4
13-2-4	25.5							26.4
13-2-5	25.5							26.4
13-3-1	27.5	20.1	11.1	1.6	1.5	1.55		30.1
13-3-2	27.2	18.2	10.7	1.5	1.4	1.45		30.2
13-3-3	28.2							30.3
13-3-4	27.5							32.5
13-3-5	27.6							30.9