

Comparative Study of Kosciusko County Lake Water Quality

Supplemental Report for Lake Wawasee

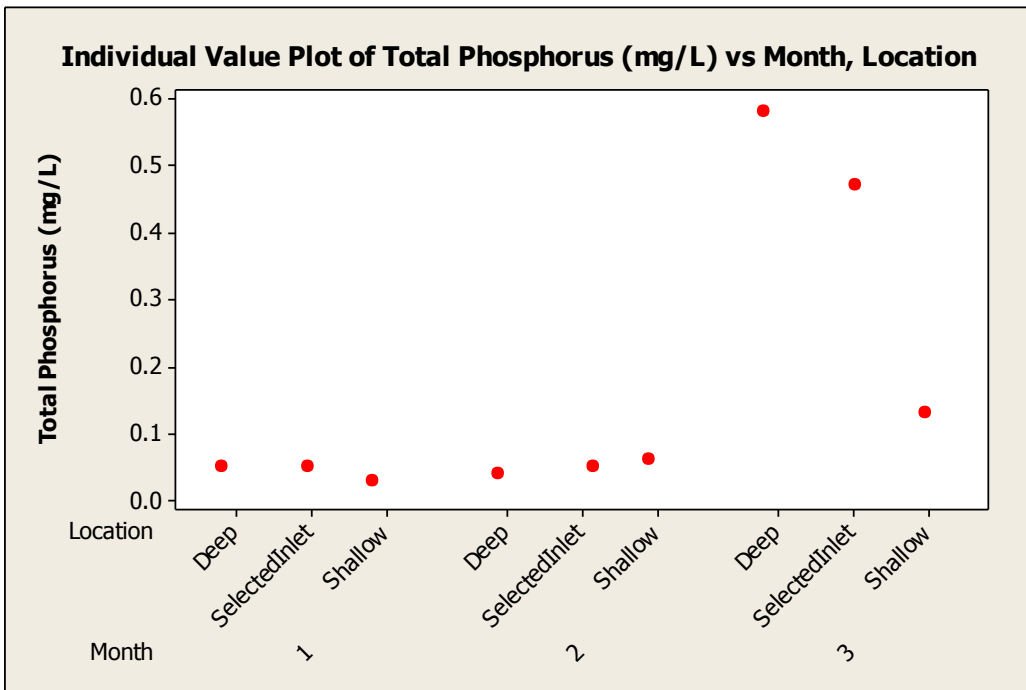
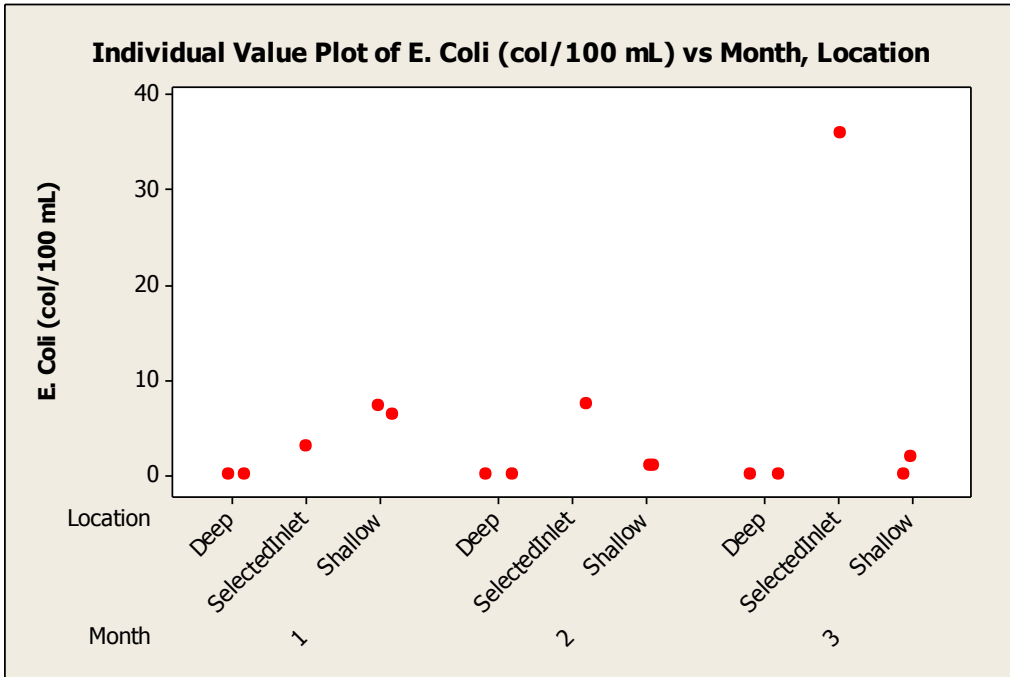
This report is intended to supplement the *Comparative Study of Kosciusko County Lake Water Quality* report. In particular, maps of sampling locations, graphical presentations of individual water quality measurements, and raw data are given. Average measurements and comparisons can be found in the full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

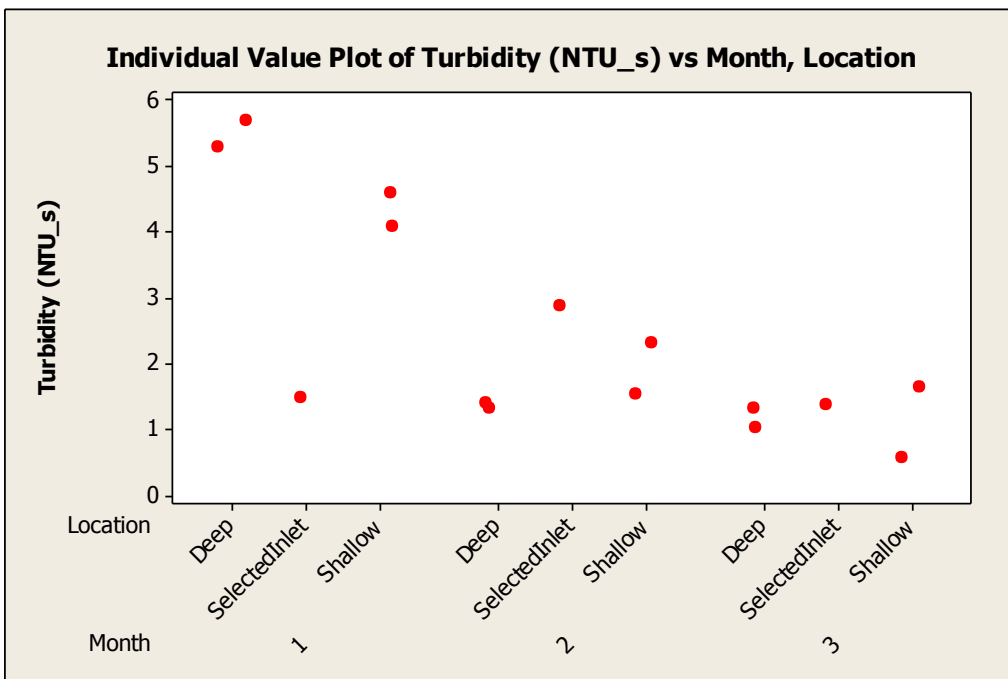
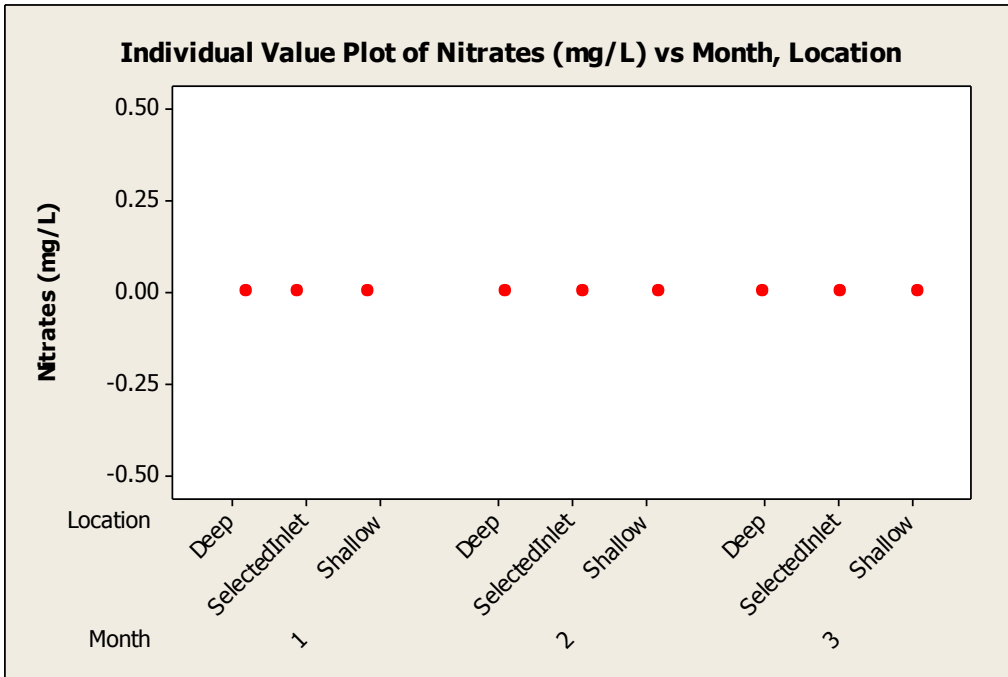
Raw data for Lake Wawasee can be found at the end of this report.

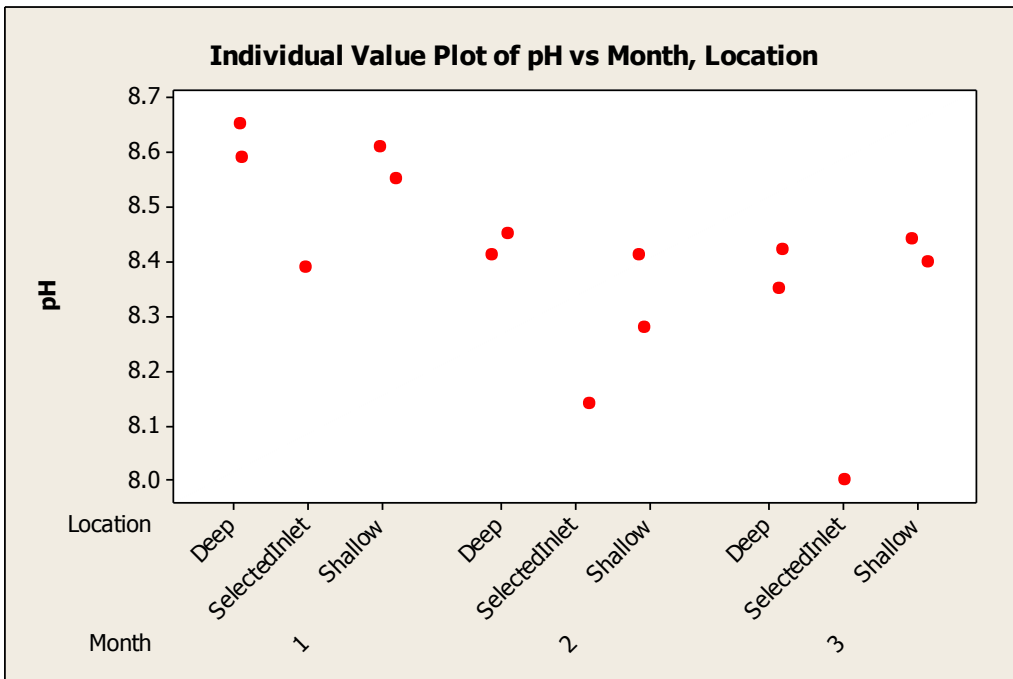
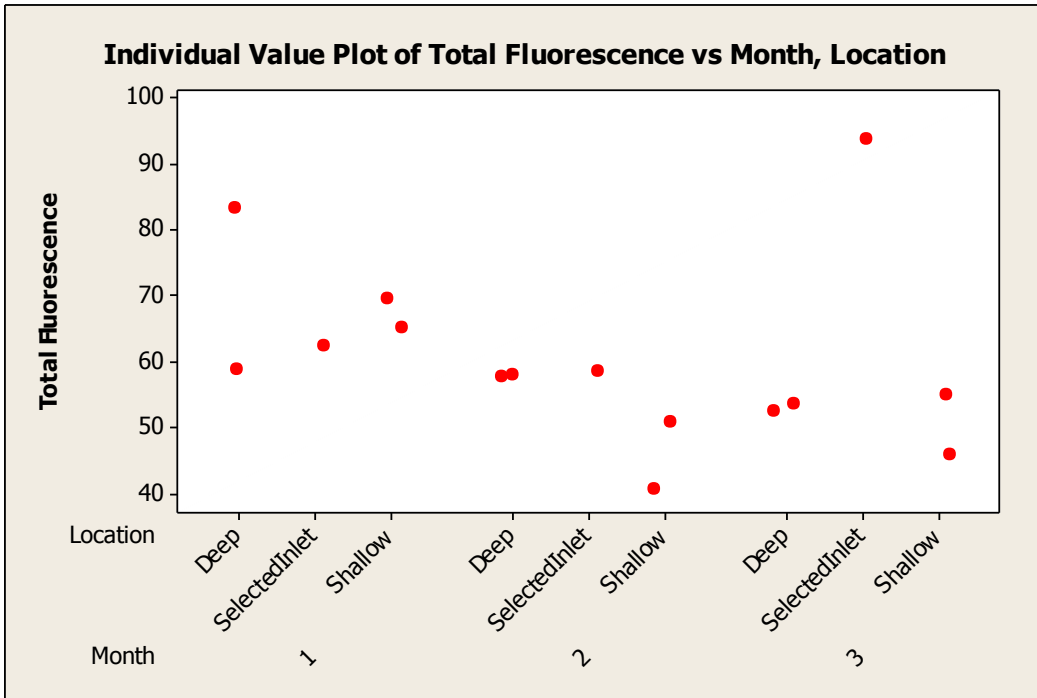
Sampling Locations on Lake Wawasee

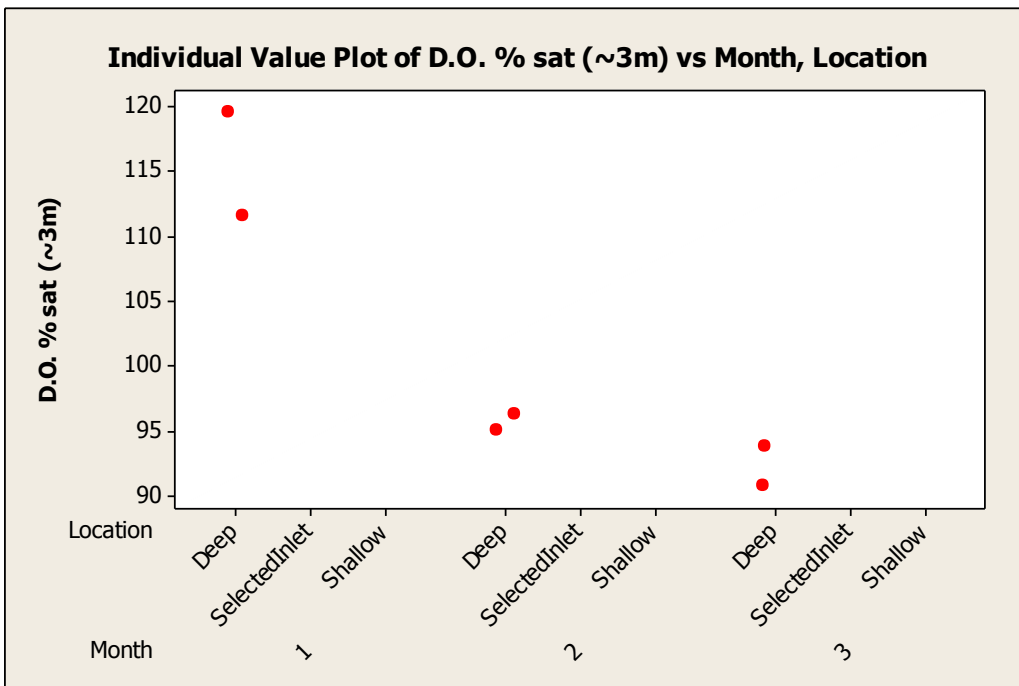
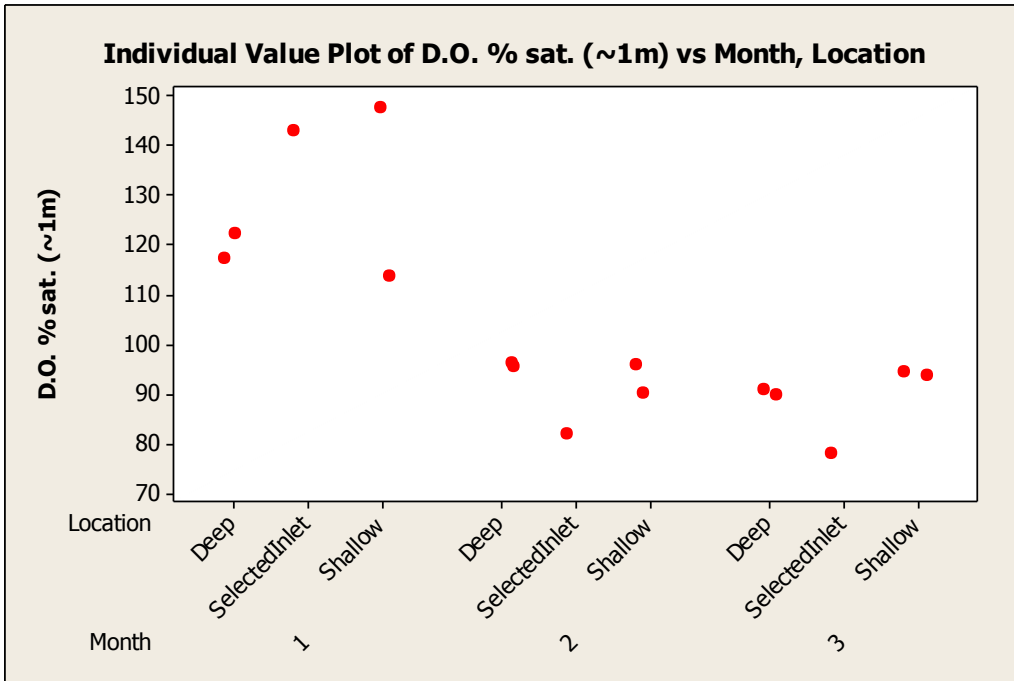


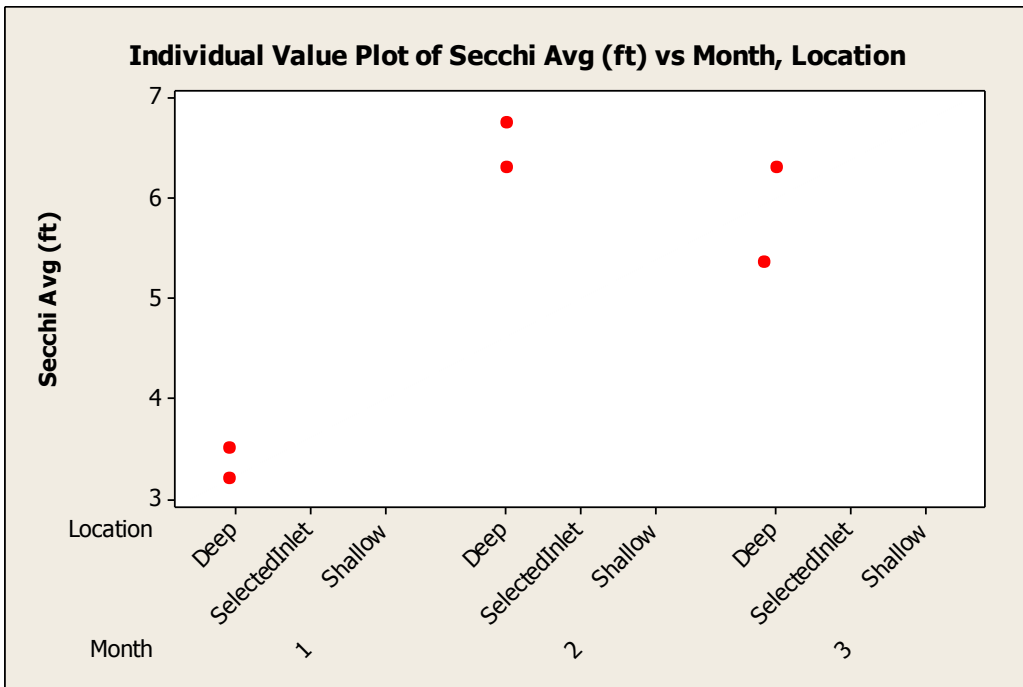
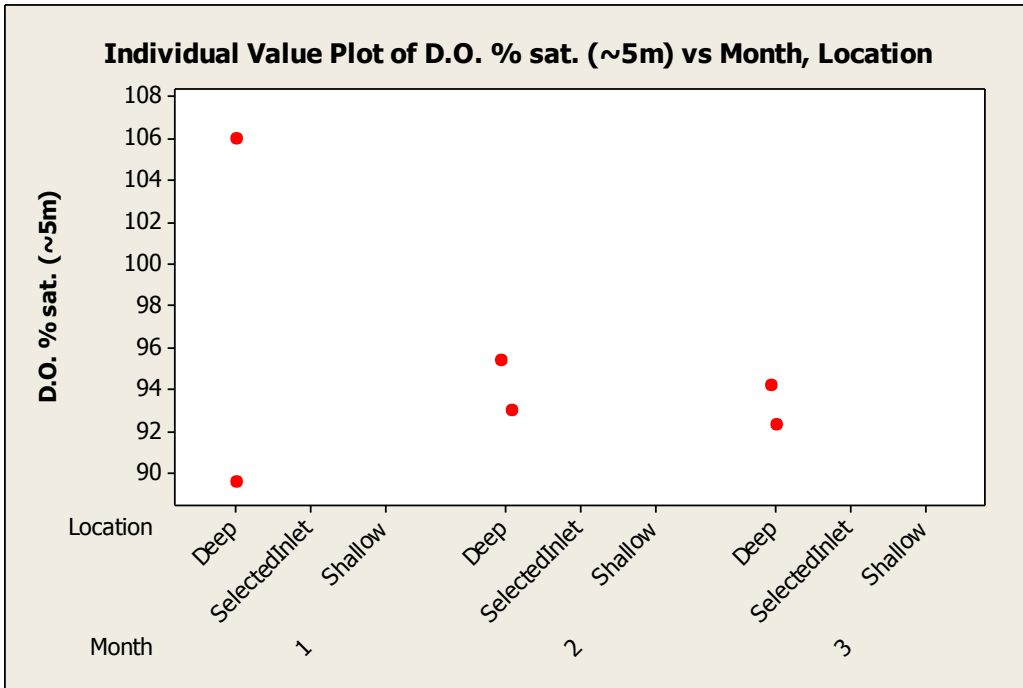
Graphical Presentation of Individual Water Quality Measurements for Lake Wawasee











Raw Data for Lake Wawasee

Site_1	GPS Location	Date	Time	Time (hr)	Current Weather	Past Weather	E. Coli (col/100 mL)	Total Phosphorus (mg/L)
01-1-1	N41 23.238 W85 40.933	6/27/2007	18:01	18.0167	overcast	storm	0	0.05
01-1-2	N41 23.567 W85 40.965	6/27/2007	18:10	18.1667	overcast	storm	0	
01-1-3	N41 24.044 W85 41.190	6/27/2007	18:20	18.3333	overcast	storm	6.3	0.03
01-1-4	N41 23.029 W85 41.126	6/27/2007	16:47	16.7833	overcast	showers	7.3	
01-1-5	N41 22.654 W85 40.255	6/27/2007	16:35	16.5833	overcast	showers	3.1	0.05
01-2-1	N41 23.946 W85 41.770	7/16/2007	11:00	11	overcast	clear/sunny	0	0.04
01-2-2	N41 24.122 W85 42.066	7/16/2007	11:05	11.0833	overcast	clear/sunny	0	
01-2-3	N41 24.764 W85 42.070	7/16/2007	11:13	11.2167	overcast	clear/sunny	1	0.06
01-2-4	N41 24.140 W85 43.269	7/16/2007	11:20	11.3333	overcast	clear/sunny	1	
01-2-5	N41 22.671 W85 40.235	7/16/2007	10:20	10.3333	overcast	clear/sunny	7.4	0.05
01-3-1	N41 24.275 W85 42.939	8/7/2007	12:42	12.7	clear/sunny	storm	0	0.58
01-3-2	N41 23.986 W85 41.878	8/7/2007	12:23	12.3833	clear/sunny	storm	0	
01-3-3	N41 24.258 W85 41.573	8/7/2007	12:28	12.4667	clear/sunny	storm	2	0.13
01-3-4	N41 24.021 W85 42.834	8/7/2007	12:37	12.6167	clear/sunny	storm	0	
01-3-5	N41 22.655 W85 40.274	8/7/2007	12:16	12.2667	clear/sunny	storm	36	0.47

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
01-1-1	25.9	25.2	23.4	3.8	3.2	3.5		
01-1-2	26.5	26.2	24.8	3.3	3.1	3.2		
01-1-3	26.9						X	
01-1-4	26.8						X	27.5
01-1-5	27.1						X	31.7
01-2-1	24.5	24.4	24.3	6.8	6.7	6.75		28.3
01-2-2	24.2	24.2	24.1	6.4	6.2	6.3		28.7
01-2-3	23.9							29.2
01-2-4	24.2						x	28.6
01-2-5	24.3						x	26.8
01-3-1	27.1	27.3	27.3	5.5	5.2	5.35		35.7
01-3-2	27.4	27.3	27.3	6.4	6.2	6.3		30.6
01-3-3	28						x	34.2
01-3-4	27.7							36.1
01-3-5	27.7						x	29

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)
01-1-1	<0.1	5.708	83.36	8.65	13	117.2	111.6	89.5
01-1-2		5.3	58.89	8.59	11	122.2	119.5	106
01-1-3	<0.1	4.592	65.16	8.55	0.8	113.7		
01-1-4		4.096	69.68	8.61	0.9	147.7		
01-1-5	<0.1	1.483	62.46	8.39	1	143.1		
01-2-1	<0.1	1.393	57.99	8.41	11.9	96.1	95	93
01-2-2		1.327	57.82	8.45	19.8	95.5	96.3	95.4
01-2-3	<0.1	1.548	50.75	8.41	1.7	95.7		
01-2-4		2.318	40.49	8.28	0.8	90.1		
01-2-5	<0.1	2.868	58.58	8.14	0.9	81.7		
01-3-1	<0.1	1.028	52.46	8.42	15.2	90.8	93.7	94.2
01-3-2		1.33	53.49	8.35	8.7	89.8	90.8	92.3
01-3-3	<0.1	1.656	55.05	8.4	0.85	94.4		
01-3-4		0.561	45.85	8.44	1.3	93.6		
01-3-5	<0.1	1.376	93.84	8	0.76	77.8		