

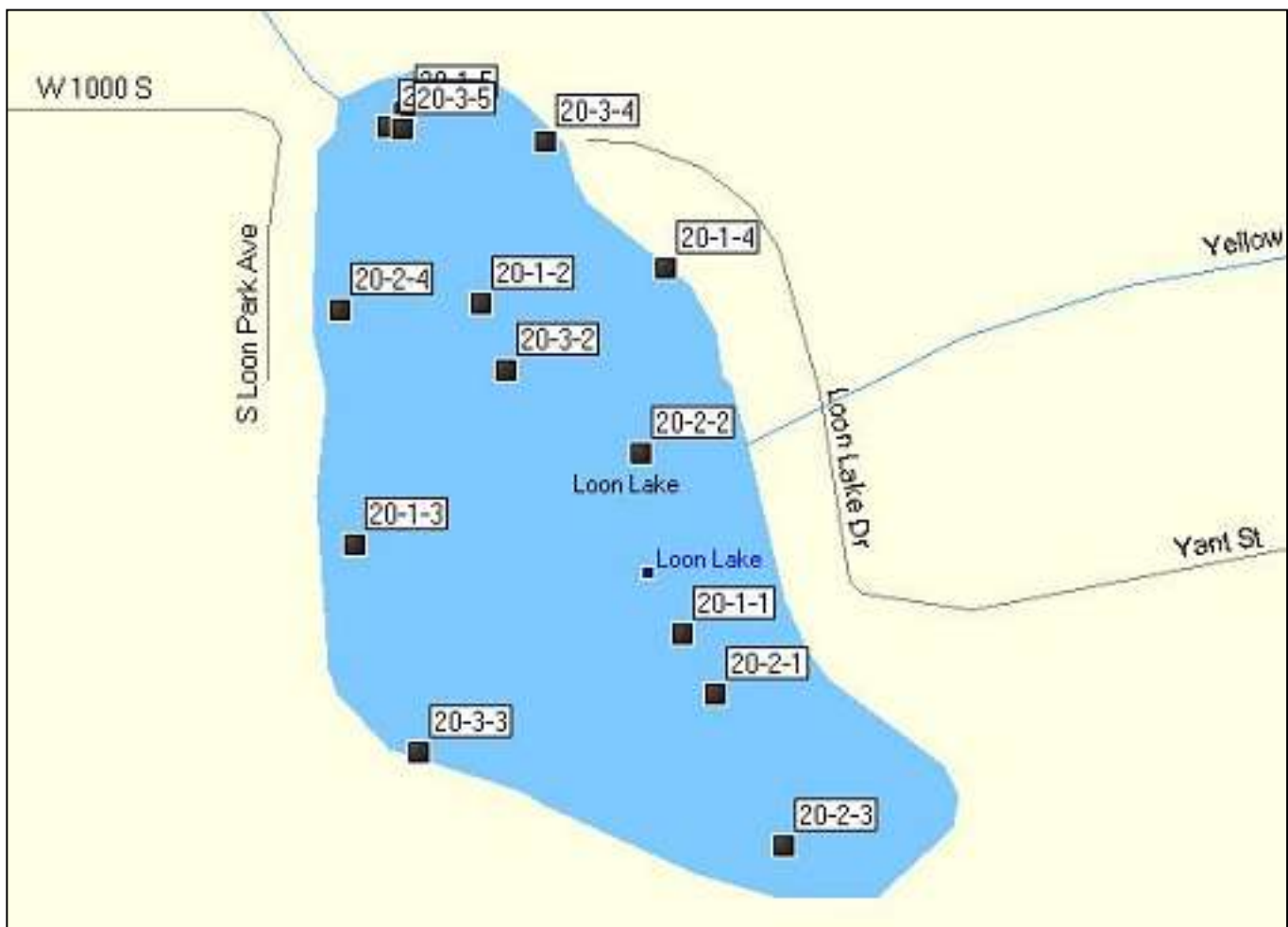
## Comparative Study of Kosciusko County Lake Water Quality

### *Supplemental Report for Loon Lake*

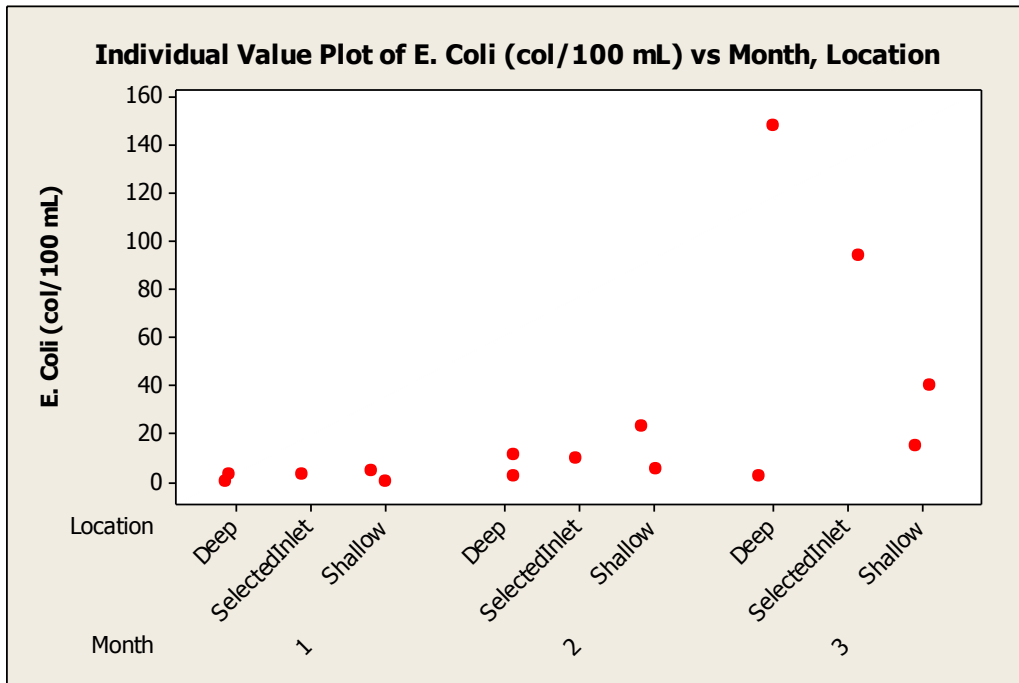
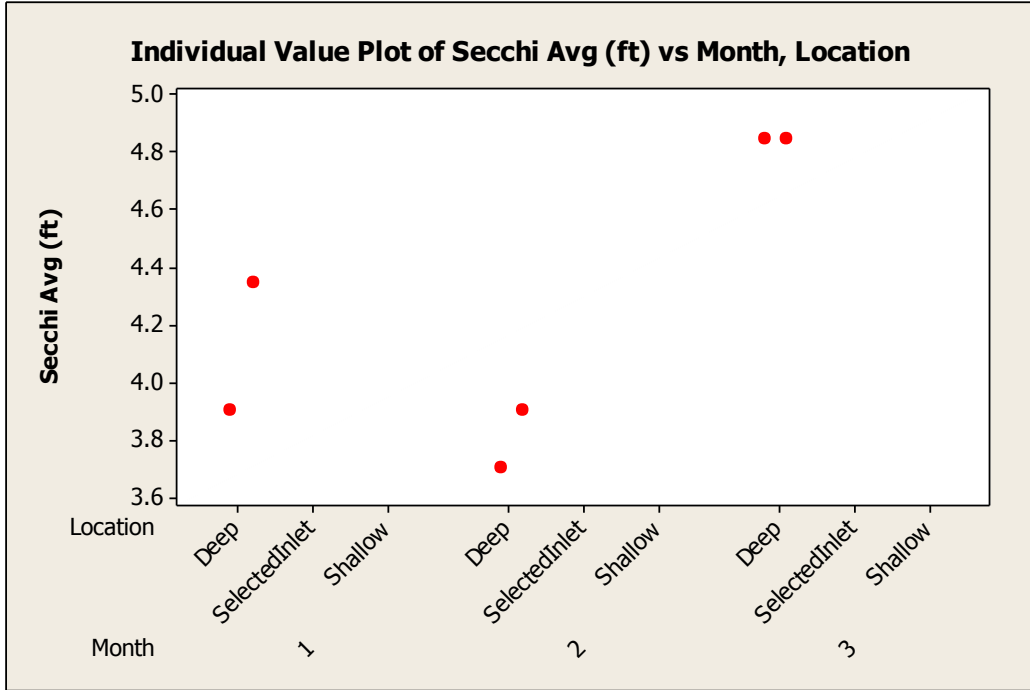
This report is intended to supplement the *Comparative Study of Kosciusko County Lake Water Quality* report. In particular, maps of sampling locations, graphical presentations of individual water quality measurements, and raw data are given. Average measurements and comparisons can be found in the full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

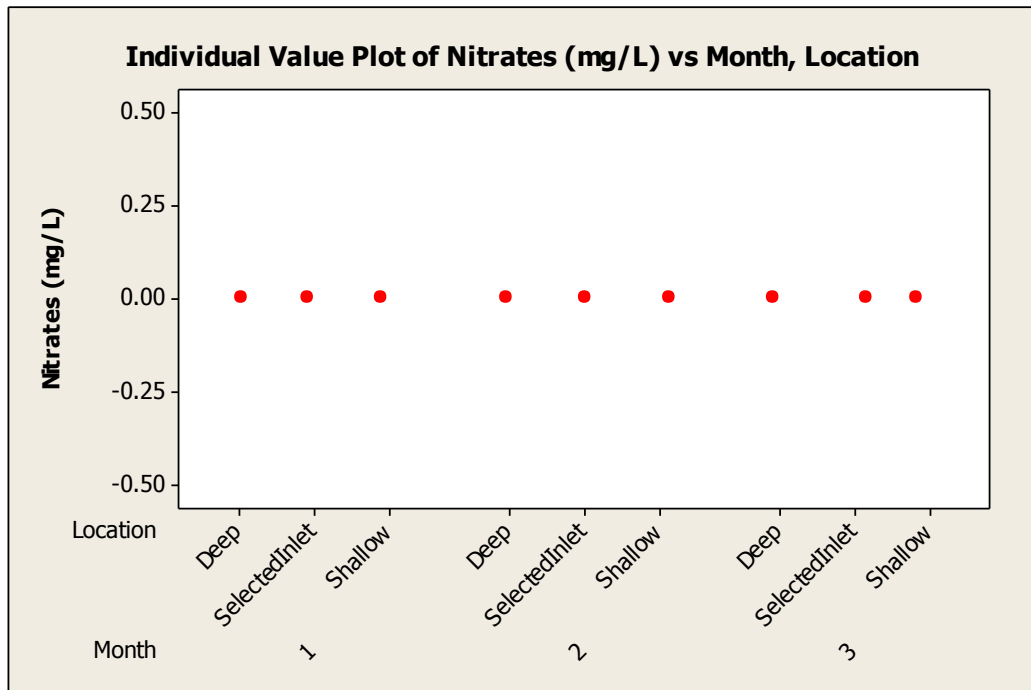
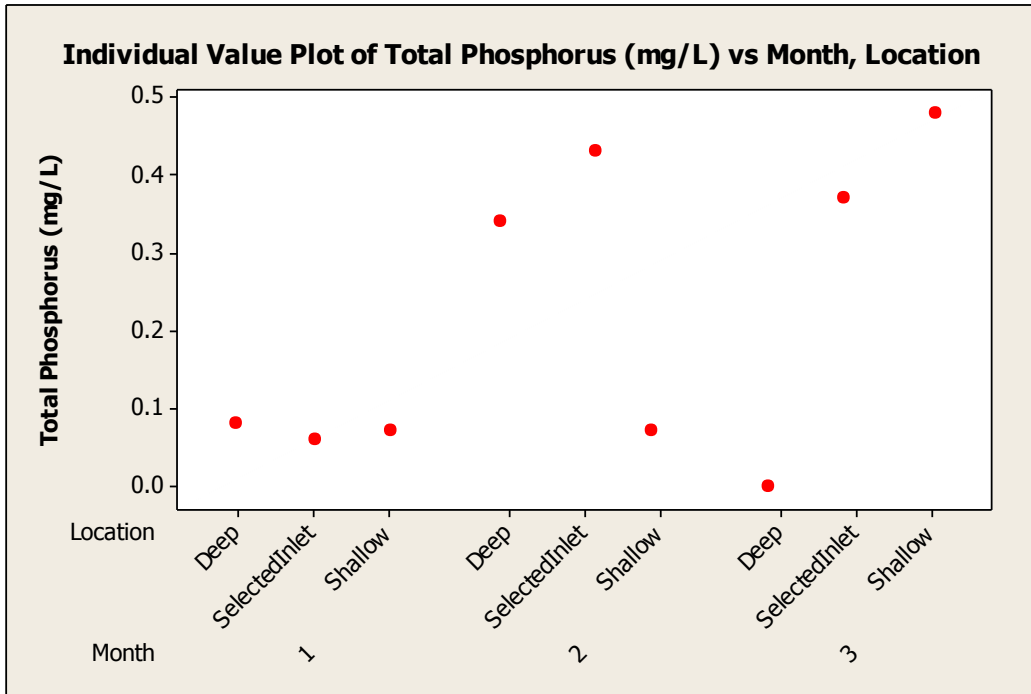
Raw data for Loon Lake can be found at the end of this report.

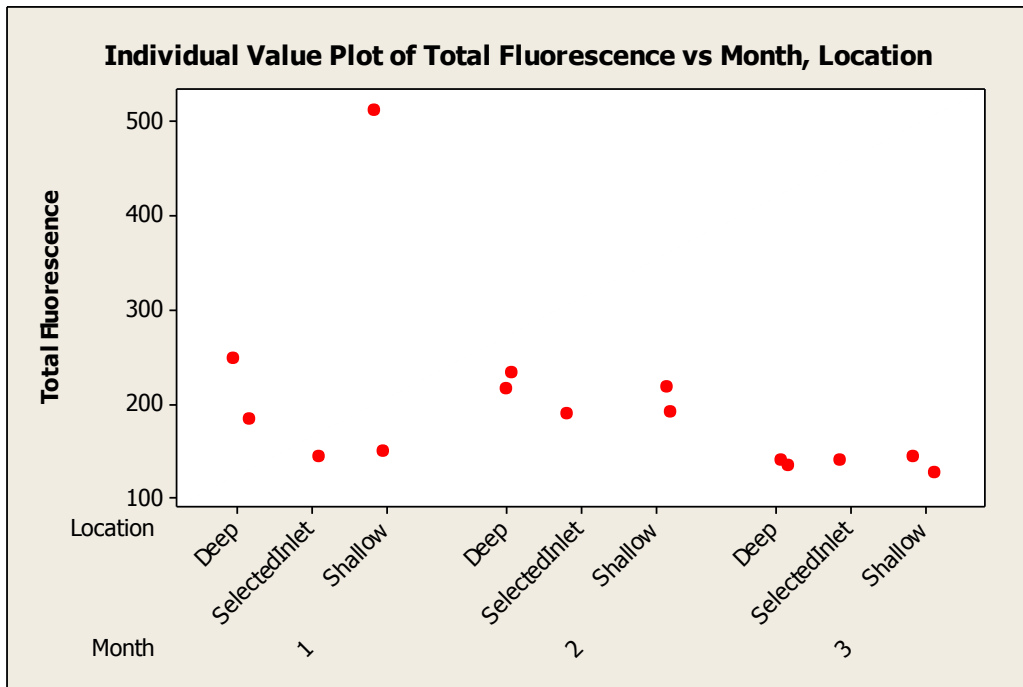
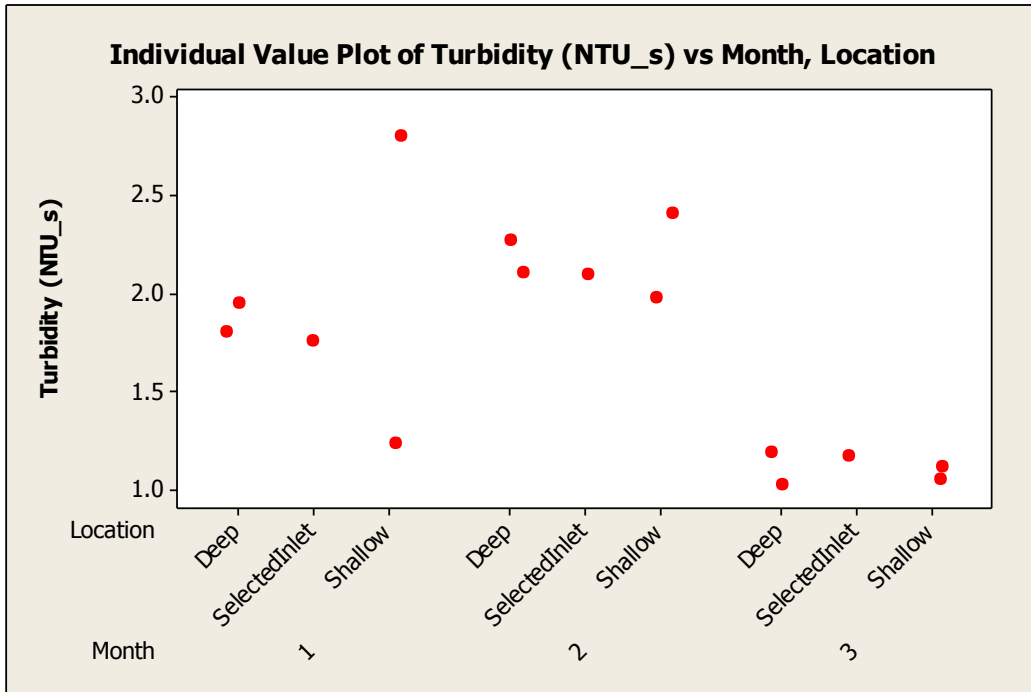
### Sampling Locations on Loon Lake

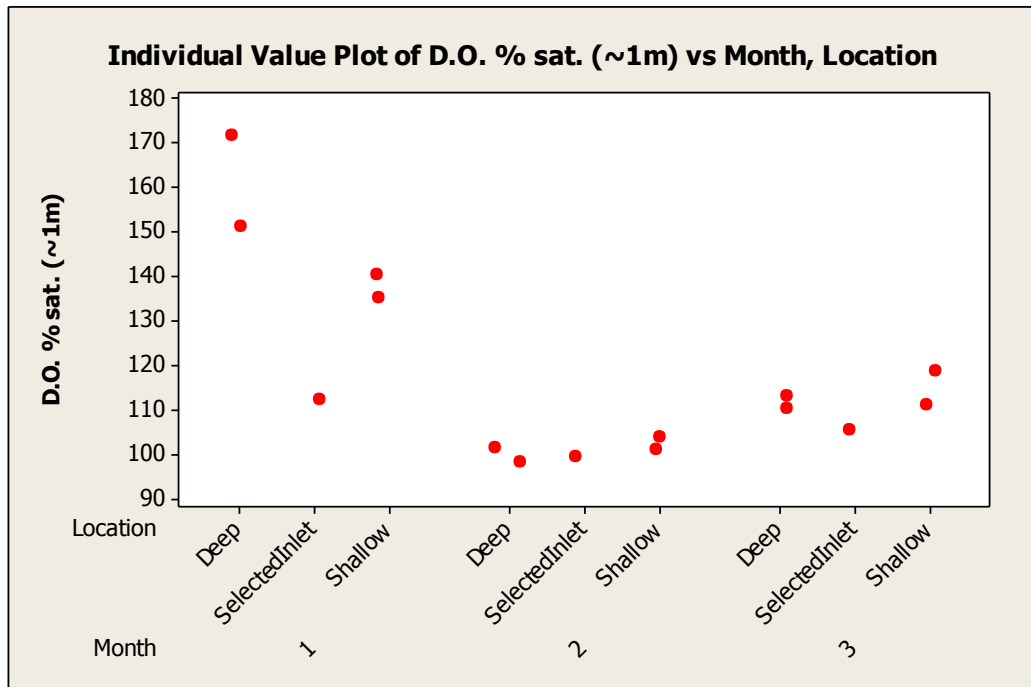
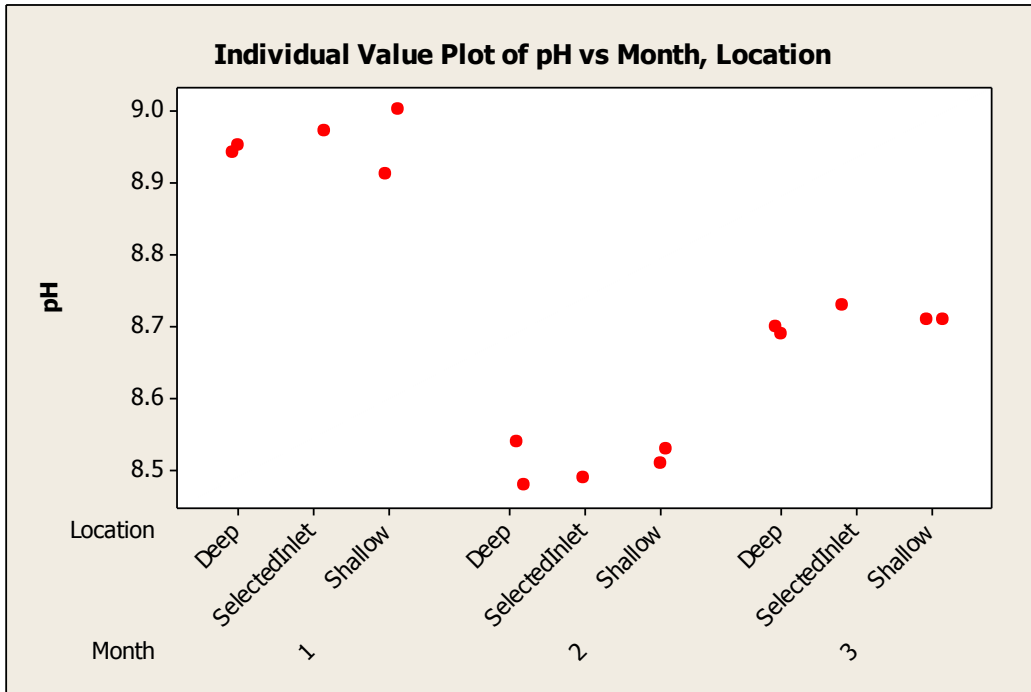


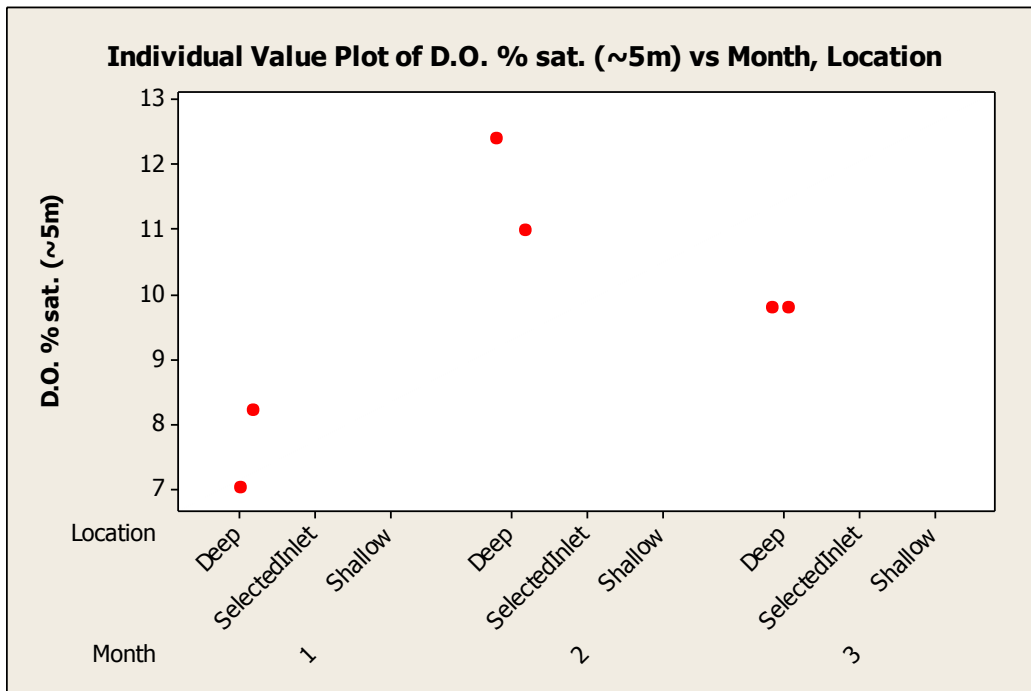
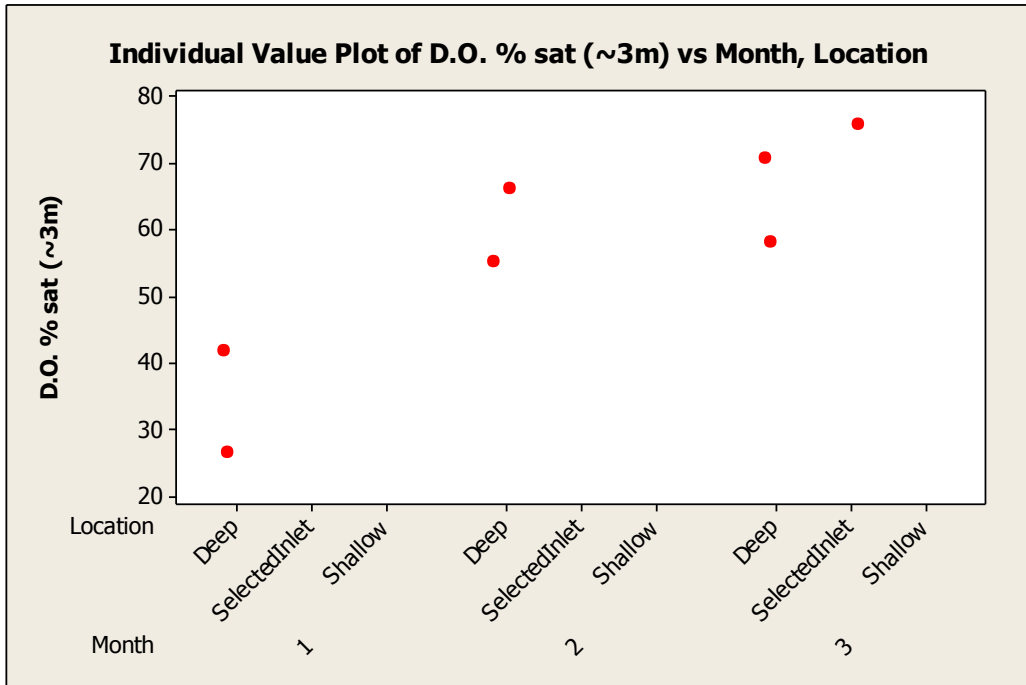
**Graphical Presentation of Individual Water Quality Measurements for Loon Lake**











## Raw Data for Loon Lake

Site	GPS Location	Date	Time	Time (hr)	Current Weather	Past Weather	E. Coli (col/100 mL)	Total Phosphorus (mg/L)
20-1-1	N41 04.958 W85	6/26/2007	17:04	17.0667	clear/sunny	showers	3	0.08
	58.048							
20-1-2	N41 05.089 W85	6/26/2007	17:21	17.35	clear/sunny	showers	0	
	58.154							
20-1-3	N41 04.994 W85	6/26/2007	17:09	17.15	clear/sunny	showers	0	0.07
	58.221							
20-1-4	N41 05.113 W85	6/26/2007	17:25	17.4167	clear/sunny	showers	4.1	
	58.027							
20-1-5	N41 05.164 W85	6/26/2007	17:15	17.25	clear/sunny	showers	3	0.06
	58.195							
20-2-1	N41 04.934 W85	7/18/2007	12:23	12.3833	clear/sunny	showers	10.8	0.34
	58.032							
20-2-2	N41 05.029 W85	7/18/2007	12:28	12.4667	clear/sunny	showers	2	
	58.071							
20-2-3	N41 04.874 W85	7/18/2007	12:19	12.3167	clear/sunny	showers	5.2	0.07
	57.995							
20-2-4	N41 05.086 W85	7/18/2007	12:37	12.6167	clear/sunny	showers	23.1	
	58.228							
20-2-5	N41 05.158 W85	7/18/2007	13:33	13.55	clear/sunny	showers	9.7	0.43
	58.204							
20-3-1	N41 04.999 W85	8/6/2007	17:53	17.8833	clear/sunny	storm	148	<.03
	58.078							
20-3-2	N41 05.063 W85	8/6/2007	18:02	18.0333	clear/sunny	storm	2	
	58.142							
20-3-3	N41 04.932 W85	8/6/2007	17:59	17.9833	clear/sunny	storm	15	0.48
	58.173							
20-3-4	N41 05.168 W85	8/6/2007	18:11	18.1833	clear/sunny	storm	40	
	58.114							
20-3-5	N41 05.157 W85	8/6/2007	18:07	18.1167	clear/sunny	storm	94	0.37
	58.195							

Site	Nitrates (mg/L)	Turbidity (NTU_s)	Total Flourescence	pH	Depth (m)	D.O. % sat. (~1m)	D.O. % sat (~3m)	D.O. % sat. (~5m)
20-1-1	<0.1	1.953	248.8	8.94	6.6	171.8	41.7	8.2
20-1-2		1.804	183.5	8.95	6.3	151.3	26.4	7
20-1-3	<0.1	2.804	511.6	9	2	140.6		
20-1-4		1.233	149.3	8.91	1.5	135.2		
20-1-5	<0.1	1.758	144.5	8.97	2.5	112.3		
20-2-1	<0.1	2.272	232.2	8.48	6	98.2	55.1	12.4
20-2-2		2.107	216.4	8.54	5.7	101.5	66.3	11
20-2-3	<0.1	1.979	218.1	8.53	1.2	103.8		
20-2-4		2.415	191.3	8.51	1.9	100.9		
20-2-5	<0.1	2.102	189.1	8.49	2.2	99.4		
20-3-1	<0.1	1.022	134.5	8.69	6.6	110.4	70.7	9.8
20-3-2		1.19	139.1	8.7	12	113.2	58.2	9.8
20-3-3	<0.1	1.117	142.7	8.71	1.6	111		
20-3-4		1.051	126.3	8.71	1.4	118.8		
20-3-5	<0.1	1.175	140.7	8.73	3.9	105.4	75.9	

Site	Temp. C (~1m)	Temp. C (~3m)	Temp. C (~5m)	Secchi down (ft)	Secchi up (ft)	Secchi Avg (ft)	Secchi hit	Air Temp. C
20-1-1	26.4	22.2	10.4	4.2	3.6	3.9		29.6
20-1-2	25.6	21.5	10.4	4.5	4.2	4.35		33.2
20-1-3	26.3							28.1
20-1-4	24.9							32
20-1-5	24.9							31.8
20-2-1	25.9	24.6	11.5	3.8	3.6	3.7		29.8
20-2-2	25.7	25.4	12	4	3.8	3.9		30.1
20-2-3	26.1							30.2
20-2-4	25.7							31.4
20-2-5	25.8							30.1
20-3-1	28.6	25.8	13.8	4.9	4.8	4.85		33.7
20-3-2	28.2	24.4	13.5	4.9	4.8	4.85		33
20-3-3	28.6							33.5
20-3-4	29							32.5
20-3-5	28.2	26						32.6