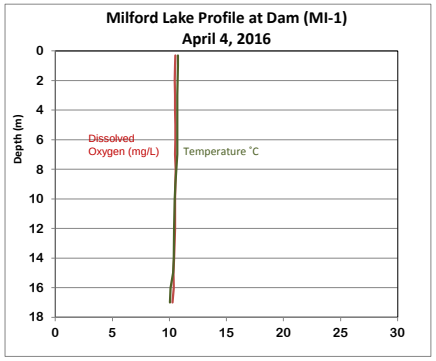
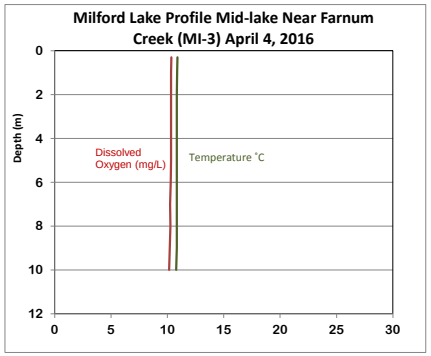
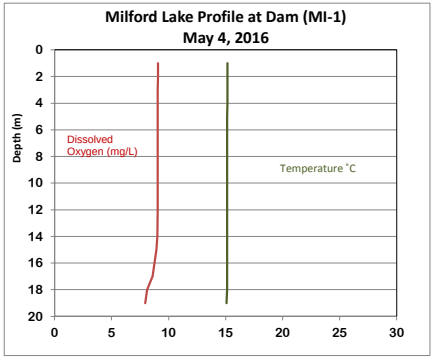
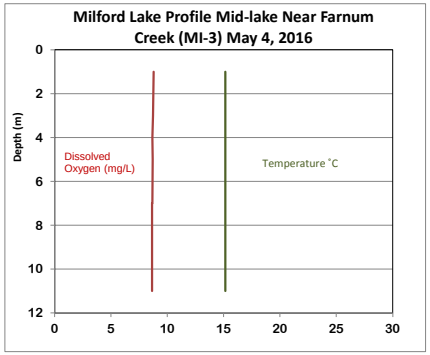
Site	Date MMDDYY	Time HHMM	Depth (M) meters	Temp øC	Conductivity æS/cm	pH Units	Turbidity NTU	D.O. mg/l	D.O % Saturation	Secchi Depth meters	Lake elevation feet	outflow csf	Inflow csf	Notes
MI-1A	4/4/2016	940	0.1	11.36	595.3	7.3	0.0	11.1	104.7		1143.0	200.0		
MI-1	4/4/2016	1035	0.3	10.75	554.2	8.1	1.9	10.5	97.5	1.00				
	4/4/2016	1035	1.0	10.75	554.2	8.3	2.1	10.5	97.2					
	4/4/2016	1035	2.0	10.72	554.3	8.3	2.1	10.5	97.0					
	4/4/2016	1035	3.0	10.70	554.4	8.4	2.0	10.5	97.1					
	4/4/2016	1035	4.0	10.70	554.2	8.4	2.2	10.5	97.1					
	4/4/2016	1035	5.0	10.69	554.2	8.4	2.3	10.5	97.4					
	4/4/2016	1035	6.0	10.68	554.4	8.4	2.4	10.5	97.3					
	4/4/2016	1035	7.0	10.69	554.3	8.4	2.4	10.5	97.1					
	4/4/2016	1035	8.0	10.60	555.2	8.4	2.4	10.5	97.4					
	4/4/2016	1035	9.0	10.53	554.2	8.4	2.6	10.5	97.0					
	4/4/2016	1035	10.0	10.45	554.5	8.4	2.7	10.5	96.5					
	4/4/2016	1035	12.0	10.41	554.3	8.4	3.2	10.5	96.3					
	4/4/2016	1035	14.0	10.39	554.6	8.4	3.2	10.4	95.7					
	4/4/2016	1035	15.0	10.33	554.2	8.4	3.3	10.4	95.0					
	4/4/2016	1035	16.0	10.10	554.4	8.4	3.4	10.4	94.7					
	4/4/2016	1035	17.0	10.03	554.3	8.3	63.9	10.3	93.5					
MI-3	4/4/2016	1100	0.3	10.89	583.0	7.9	8.4	10.3	96.2	0.77				
	4/4/2016	1100	1.0	10.87	583.2	8.2	9.2	10.3	95.9					
	4/4/2016	1100	2.0	10.84	584.5	8.3	9.4	10.3	95.9					
	4/4/2016	1100	3.0	10.83	584.6	8.3	9.4	10.3	95.8					
	4/4/2016	1100	5.0	10.82	587.6	8.4	9.8	10.3	95.9					
	4/4/2016	1100	6.0	10.83	590.4	8.3	10.0	10.3	95.4					
	4/4/2016	1100	7.0	10.83	589.8	8.3	10.2	10.2	95.1					
	4/4/2016	1100	8.0	10.83	591.5	8.3	10.4	10.3	95.4					
	4/4/2016	1100	9.0	10.83	593.7	8.3	10.7	10.2	94.9					
	4/4/2016	1100	10.0	10.79	600.8	8.2	11.6	10.2	94.2					
MI-5	4/4/2016	1125	0.3	13.14	889.7	8.5	24.4	11.9	116.5	0.35				
	4/4/2016	1125	1.0	13.12	889.9	8.6	26.9	11.9	116.1					
	4/4/2016	1125	2.0	12.96	944.3	8.7		11.9	115.9					





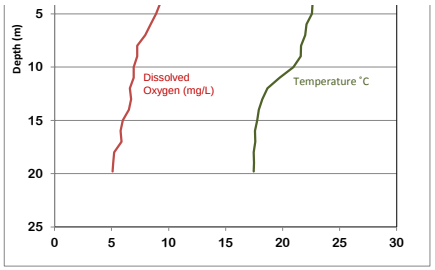
Site	Date MMDDYY	Time HHMM	Depth (M) meters	Temp øC	Conductivity æS/cm	pH Units	Turbidity NTU	D.O. mg/l	D.O % Saturation	Secchi Depth meters	Lake elevation feet	outflow csf	Inflow csf	Notes
MI-1A	5/2/2016	1125	0.7	14.56	615.0	7.9	0.0	9.6	96.7		1145.0	25.0		
MI-1	5/2/2016	930	1.0	15.16	606.3	8.3	0.6	9.1	92.9	1.60				
	5/2/2016	930	2.0	15.16	606.2	8.3	0.0	9.1	92.7					
	5/2/2016	930	3.0	15.16	606.2	8.3	0.0	9.0	92.5					
	5/2/2016	930	3.0	15.16	606.4	8.3	0.0	9.0	92.5					
	5/2/2016	930	4.0	15.15	606.2	8.3	0.0	9.0	92.4					
	5/2/2016	930	4.0	15.15	606.6	8.3	0.0	9.0	92.3					
	5/2/2016	930	5.0	15.14	606.2	8.3	0.0	9.0	92.4					
	5/2/2016	930	7.0	15.13	606.0	8.3	0.0	9.0	92.4					
	5/2/2016	930	9.0	15.12	606.3	8.3	0.0	9.1	92.5					
	5/2/2016	930	10.0	15.12	606.7	8.3	0.0	9.0	92.4					
	5/2/2016	930	11.0	15.13	606.2	8.3	0.0	9.0	92.4					
	5/2/2016	930	12.0	15.13	606.2	8.3	0.0	9.0	92.3					
	5/2/2016	930	14.0	15.14	607.0	8.3	0.5	9.0	92.1					
	5/2/2016	930	15.0	15.14	606.3	8.3	0.9	8.9	91.2					
	5/2/2016	930	17.0	15.13	606.6	8.3	2.4	8.6	87.9					
	5/2/2016	930	18.0	15.14	606.3	8.3	3.1	8.1	83.1					
	5/2/2016	930	19.0	15.07	606.9	8.3		7.9	81.1					
MI-3	5/2/2016	1000	1.0	15.14	631.4	8.2	12.2	8.8	90.0	0.70				
	5/2/2016	1000	2.0	15.14	631.3	8.2	12.2	8.8	89.5					
	5/2/2016	1000	3.0	15.14	631.3	8.2	12.7	8.7	89.2					
	5/2/2016	1000	4.0	15.14	632.2	8.2	12.5	8.7	88.8					
	5/2/2016	1000	4.0	15.14	631.5	8.2	12.3	8.7	88.8					
	5/2/2016	1000	5.0	15.14	631.5	8.2	12.4	8.7	88.9					
	5/2/2016	1000	7.0	15.15	631.5	8.2	12.4	8.7	88.7					
	5/2/2016	1000	7.0	15.15	631.9	8.3	12.8	8.7	88.5					
	5/2/2016	1000	9.0	15.15	631.4	8.2	13.2	8.7	88.6					
	5/2/2016	1000	10.0	15.15	631.9	8.3	13.3	8.7	88.4					
	5/2/2016	1000	10.0	15.15	632.0	8.3	13.6	8.7	88.5					
	5/2/2016	1000	11.0	15.15	631.6	8.0		8.7	88.6					
MI-5	5/2/2016	1025	0.7	12.01	390.6	7.8	432.0	8.7	82.8	<0.5				
	5/2/2016	1025	1.0	12.01	391.1	7.8	420.0	8.6	82.4					
	5/2/2016	1025	2.0	12.00	391.1	7.8	421.0	8.6	82.0					
	5/2/2016	1025	3.0	12.02	385.9	7.8	483.0	8.6	81.7					

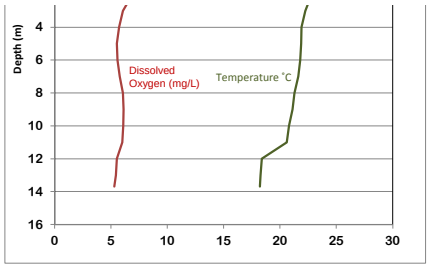




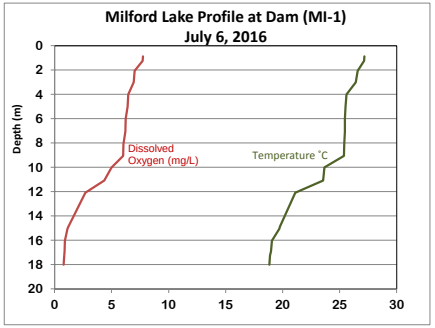
Site	Date MMDDYY	Time HHMM	Depth (M) meters	Temp øC	Conductivity æS/cm	pH Units	Turbidity NTU	D.O. mg/l	D.O % Saturation	Secchi Depth meters	Lake elevation feet	outflow csf	Inflow csf	Notes
MI-1A	6/6/2016	1300	0.3	22.98	582.0	7.7	6.2	9.6	115.7		1152.1	8000.0		
MI-1	6/6/2016	1045	0.3	23.22	545.9	8.6	11.6	11.0	133.3	0.56				
MI-1	6/6/2016	1045	1.0	22.78	550.8	8.5	10.9	10.7	127.8					
MI-1	6/6/2016	1045	2.0	22.71	554.5	8.5	10.3	10.2	122.5					
MI-1	6/6/2016	1045	3.0	22.71	554.5	8.4	9.6	9.8	116.9					
MI-1	6/6/2016	1045	4.0	22.63	558.0	8.4	8.7	9.3	110.6					
MI-1	6/6/2016	1045	5.0	22.56	558.0	8.4	6.7	8.9	106.2					
MI-1	6/6/2016	1045	6.0	22.09	558.3	8.3	5.8	8.4	99.7					

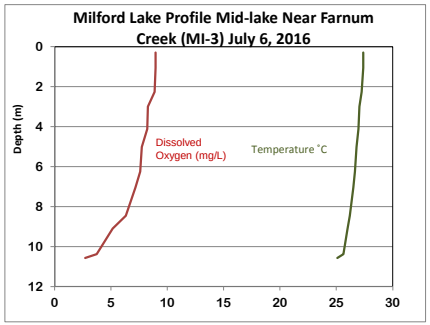
MI-1	6/6/2016	1045	7.0	21.98	554.9	8.2	5.5	8.0	93.9	
MI-1	6/6/2016	1045	8.0	21.61	549.9	8.2	6.0	7.3	85.0	
MI-1	6/6/2016	1045	9.0	21.58	551.4	8.2	6.1	7.2	84.8	
MI-1	6/6/2016	1045	10.0	20.95	566.8	8.1	6.4	6.9	80.2	
MI-1	6/6/2016	1045	11.0	19.74	588.0	8.1	6.0	6.9	78.4	
MI-1	6/6/2016	1045	12.0	18.67	593.6	8.1	3.7	6.6	72.9	
MI-1	6/6/2016	1045	13.0	18.22	598.7	8.1	2.9	6.7	73.4	
MI-1	6/6/2016	1045	14.0	17.90	601.5	8.0	2.1	6.5	71.0	
MI-1	6/6/2016	1045	15.0	17.78	602.8	8.0	1.7	6.0	64.9	
MI-1	6/6/2016	1045	16.0	17.58	604.9	8.0	77.3	5.8	62.7	
MI-1	6/6/2016	1045	17.0	17.59	604.4	8.0	4.4	5.9	63.5	
MI-1	6/6/2016	1045	18.0	17.45	605.9	8.0	4.2	5.2	56.5	
MI-1	6/6/2016	1045	19.0	17.49	606.5	7.9	4.0	5.1	55.4	
MI-1	6/6/2016	1045	19.8	17.46	610.4	7.9	379.7	5.1	54.8	
MI-3	6/6/2016	1115	0.3	23.26	452.8	8.0	42.1	7.2	86.8	0.30
MI-3	6/6/2016	1115	1.0	23.64	457.0	8.0	40.8	7.7	94.1	
MI-3	6/6/2016	1115	2.0	22.81	456.3	8.0	39.9	6.9	82.9	
MI-3	6/6/2016	1115	3.0	22.26	466.1	7.9	38.8	6.1	71.7	
MI-3	6/6/2016	1115	4.0	21.91	483.2	7.9	36.1	5.7	67.5	
MI-3	6/6/2016	1115	5.0	21.87	490.6	7.9	34.7	5.5	65.0	
MI-3	6/6/2016	1115	6.0	21.79	497.4	7.9	32.6	5.6	65.6	
MI-3	6/6/2016	1115	7.0	21.62	513.4	7.9	21.7	5.8	67.6	
MI-3	6/6/2016	1115	8.0	21.29	528.6	8.0	16.1	6.1	70.7	
MI-3	6/6/2016	1115	9.0	21.12	531.1	8.0	16.5	6.1	71.0	
MI-3	6/6/2016	1115	10.0	20.80	536.7	8.0	16.0	6.1	70.1	
MI-3	6/6/2016	1115	11.0	20.60	548.4	7.9	15.7	6.0	69.1	
MI-3	6/6/2016	1115	12.0	18.38	596.0	8.0	14.9	5.5	60.6	
MI-3	6/6/2016	1115	13.0	18.28	597.1	8.0	14.2	5.4	59.6	
MI-3	6/6/2016	1115	13.7	18.22	598.0	8.0		5.3	58.1	
MI-5	6/6/2016	1145	0.3	25.00	509.4	7.8	54.7	6.4	80.1	0.15
MI-5	6/6/2016	1145	1.0	24.38	466.7	7.7	75.5	5.7	70.9	
MI-5	6/6/2016	1145	2.0	24.22	461.4	7.7	83.4	5.4	66.1	
MI-5	6/6/2016	1145	3.0	24.11	420.5	7.6	127.0	4.3	52.5	
MI-5	6/6/2016	1145	4.0	21.88	449.0	7.6	75.3	3.1	36.4	
MI-5	6/6/2016	1145	5.0	21.60	457.7	7.4	174.6	1.9	22.4	
MI-5	6/6/2016	1145	5.1	20.47	480.1	7.5		0.2	1.8	





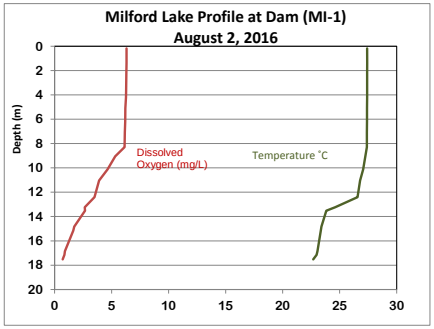
Site	Date MMDDYY	Time HHMM	Depth (M) meters	Temp øC	Conductivity æS/cm	pH Units	Turbidity NTU	D.O. mg/l	D.O % Saturation	Secchi Depth meters	Lake elevation feet	outflow csf	Inflow csf	Notes
MI-1A	Dry- De watered										1144.0	0.0		
MI-1	7/6/2016	1150	0.9	27.17	587.1	8.4	4.8	7.7	97.6	1.25				
MI-1	7/6/2016	1150	1.2	27.14	586.8	8.4	4.7	7.7	97.4					
MI-1	7/6/2016	1150	2.1	26.59	581.8	8.2	4.2	7.0	87.8					
MI-1	7/6/2016	1150	3.0	26.42	580.0	8.2	4.3	7.0	86.6					
MI-1	7/6/2016	1150	4.0	25.59	571.4	8.2	4.5	6.5	79.2					
MI-1	7/6/2016	1150	5.0	25.51	570.4	8.2	4.4	6.4	78.3					
MI-1	7/6/2016	1150	6.0	25.46	570.0	8.2	4.6	6.3	76.4					
MI-1	7/6/2016	1150	7.1	25.46	569.9	8.1	4.7	6.2	75.9					
MI-1	7/6/2016	1150	8.1	25.39	569.8	8.1	5.9	6.0	73.7					
MI-1	7/6/2016	1150	9.0	25.38	569.8	8.1	6.1	6.0	73.2					
MI-1	7/6/2016	1150	10.0	23.67	569.5	7.8	8.3	5.0	59.3					
MI-1	7/6/2016	1150	11.1	23.56	569.4	7.8	8.6	4.4	51.6					
MI-1	7/6/2016	1150	12.1	21.10	567.5	7.6	9.8	2.7	30.7					
MI-1	7/6/2016	1150	14.9	19.77	562.1	7.6	7.7	1.2	13.3					
MI-1	7/6/2016	1150	15.0	19.70	561.7	7.6	7.2	1.1	12.2					
MI-1	7/6/2016	1150	16.0	19.06	561.0	7.6	5.9	0.9	9.7					
MI-1	7/6/2016	1150	16.9	18.98	561.0	7.6	5.8	0.9	9.4					
MI-1	7/6/2016	1150	17.3	18.91	561.0	7.6	5.6	0.8	9.1					
MI-1	7/6/2016	1150	18.0	18.84	561.1	7.6		0.8	8.7					
MI-3	7/6/2016	1210	0.3	27.38	597.6	8.5	11.5	9.0	113.4	0.50				
MI-3	7/6/2016	1210	1.1	27.38	597.6	8.5	11.4	9.0	113.5					
MI-3	7/6/2016	1210	2.3	27.23	597.0	8.5	13.0	8.9	111.8					
MI-3	7/6/2016	1210	3.0	27.04	596.9	8.5	11.5	8.3	104.2					
MI-3	7/6/2016	1210	4.1	26.96	596.9	8.5	11.0	8.2	103.2					
MI-3	7/6/2016	1210	5.0	26.78	598.0	8.5	10.1	7.8	97.1					
MI-3	7/6/2016	1210	6.2	26.66	600.1	8.3	9.8	7.6	95.0					
MI-3	7/6/2016	1210	7.1	26.50	605.3	8.3	9.7	7.2	89.3					
MI-3	7/6/2016	1210	8.5	26.20	619.9	8.2	12.0	6.3	78.1					
MI-3	7/6/2016	1210	9.1	25.99	626.0	7.9	30.2	5.1	63.5					
MI-3	7/6/2016	1210	10.4	25.62	660.9	7.8	33.3	3.7	45.8					
MI-3	7/6/2016	1210	10.6	25.08	660.9	7.8	34.4	2.7	33.1					
MI-5	7/6/2016	1230	0.3	28.50	790.6	8.6	230.5	10.6	137.4	0.10				
MI-5	7/6/2016	1230	1.0	26.86	823.7	8.0	164.7	6.4	79.8					
MI-5	7/6/2016	1230	2.0	26.72	820.3	8.0	127.9	6.0	75.1					
MI-5	7/6/2016	1230	3.1	26.66	819.0	7.8	1680.0	5.9	73.6					

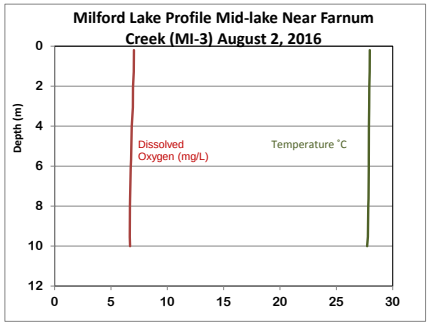
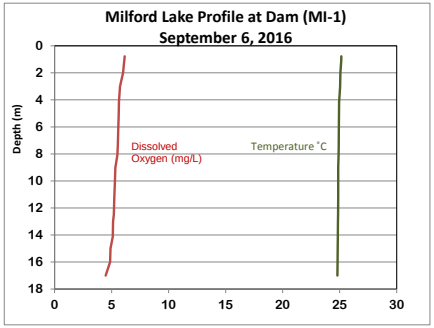
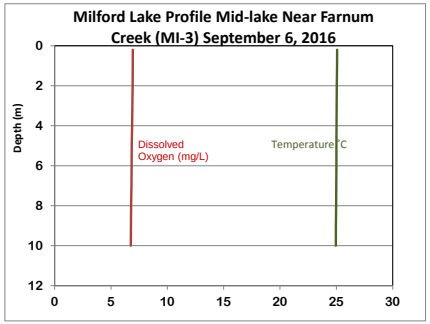




Site	Date MMDDYY	Time HHMM	Depth (M) meters	Temp øC	Conductivity æS/cm	pH Units	Turbidity NTU	D.O. mg/l	D.O % Saturation	Secchi Depth meters	Lake elevation feet	outflow csf
MI-1A	8/2/2016	1345	0.3	26.14	20.1	7.8	22.6	7.9	97.5		1145.1	500.0

MI-1	8/2/2016	1100	0.2	27.41	617.2	8.3	5.7	6.3	80.0	0.95
MI-1	8/2/2016	1100	1.4	27.41	617.2	8.3	5.8	6.3	79.9	
MI-1	8/2/2016	1100	2.1	27.41	617.3	8.3	5.8	6.3	79.7	
MI-1	8/2/2016	1100	3.7	27.41	617.3	8.3	6.1	6.3	79.4	
MI-1	8/2/2016	1100	4.2	27.41	617.3	8.3	6.0	6.3	79.2	
MI-1	8/2/2016	1100	5.1	27.40	617.3	8.3	5.7	6.2	78.6	
MI-1	8/2/2016	1100	6.2	27.40	617.3	8.3	5.6	6.2	78.4	
MI-1	8/2/2016	1100	7.1	27.39	617.2	8.3	5.7	6.2	77.9	
MI-1	8/2/2016	1100	8.3	27.38	617.2	8.3	5.7	6.1	77.7	
MI-1	8/2/2016	1100	9.0	27.26	617.0	8.0	5.9	5.3	67.3	
MI-1	8/2/2016	1100	10.1	27.06	616.4	8.0	6.0	4.6	58.4	
MI-1	8/2/2016	1100	11.0	26.79	615.0	7.8	6.2	3.9	48.9	
MI-1	8/2/2016	1100	12.4	26.56	613.3	7.8	6.8	3.5	43.6	
MI-1	8/2/2016	1100	13.2	24.61	610.6	7.6	7.2	2.7	32.9	
MI-1	8/2/2016	1100	13.5	23.83	608.1	7.6	7.0	2.7	31.7	
MI-1	8/2/2016	1100	14.8	23.40	599.9	7.5	5.9	1.7	20.4	
MI-1	8/2/2016	1100	15.2	23.34	597.8	7.5	5.6	1.6	19.3	
MI-1	8/2/2016	1100	16.8	23.05	586.2	7.5	2.5	0.9	10.6	
MI-1	8/2/2016	1100	17.2	22.98	585.3	7.5	2.2	0.9	10.0	
MI-1	8/2/2016	1100	17.5	22.68	584.0	7.1	2.5	0.7	8.3	
MI-3	8/2/2016	1145	0.2	27.97	635.5	8.4	10.8	7.0	90.0	
MI-3	8/2/2016	1145	1.3	27.96	635.4	8.4	11.0	7.0	89.8	0.60
MI-3	8/2/2016	1145	2.0	27.93	635.0	8.4	10.8	7.0	89.0	
MI-3	8/2/2016	1145	3.1	27.92	634.8	8.4	10.6	6.9	88.6	
MI-3	8/2/2016	1145	4.0	27.89	634.1	8.4	10.2	6.8	87.4	
MI-3	8/2/2016	1145	5.7	27.88	633.7	8.4	10.1	6.8	86.7	
MI-3	8/2/2016	1145	6.1	27.88	633.6	8.4	10.1	6.8	86.2	
MI-3	8/2/2016	1145	7.6	27.85	633.2	8.4	10.1	6.7	85.4	
MI-3	8/2/2016	1145	8.0	27.84	632.9	8.4	10.2	6.7	85.2	
MI-3	8/2/2016	1145	9.5	27.80	631.9	8.4	10.2	6.7	85.0	
MI-3	8/2/2016	1145	10.0	27.73	630.4	7.5	66.5	6.7	85.1	
MI-5	8/2/2016	1230	0.2	27.96	862.6	7.9	83.9	5.1	65.2	0.10
MI-5	8/2/2016	1230	1.0	27.96	862.8	7.9	90.3	5.1	65.0	
MI-5	8/2/2016	1230	2.1	27.96	863.9	7.9	107.8	5.0	63.7	
MI-5	8/2/2016	1230	2.9	27.96	863.8	7.9	110.8	5.0	63.6	





Site	Date	Time	Depth (M)	Temp	Conductivity	pH	Turbidity	D.O.	D.O	Secchi Depth	Lake elevation	outflow
	MMDDYY	HHMM	meters	øC	æS/cm	Units	NTU	mg/l	% Saturation	meters	feet	csf
MI-1A	9/6/2016	1100	0.3	25.7	608.8	8.3	3.9	8.2	101.1		1146.00	300.0
MI-1	9/6/2016	1130	0.8	25.1	595.6	8.4	2.6	6.2	74.7	1.00		
MI-1	9/6/2016	1130	1.1	25.1	595.5	8.4	2.6	6.1	74.3			
MI-1	9/6/2016	1130	2.0	25.1	594.6	8.4	2.5	6.0	72.8			
MI-1	9/6/2016	1130	3.0	25.0	594.3	8.4	2.6	5.7	69.6			
MI-1	9/6/2016	1130	4.2	24.9	593.2	8.3	2.5	5.6	68.3			
MI-1	9/6/2016	1130	5.1	24.9	593.2	8.3	2.5	5.6	68.0			
MI-1	9/6/2016	1130	6.1	24.9	593.1	8.3	2.6	5.6	67.6			
MI-1	9/6/2016	1130	7.4	24.9	592.9	8.3	2.7	5.5	67.1			
MI-1	9/6/2016	1130	8.1	24.9	592.8	8.3	2.7	5.5	66.7			
MI-1	9/6/2016	1130	9.0	24.9	592.5	8.3	2.7	5.3	64.5			
MI-1	9/6/2016	1130	10.2	24.9	592.4	8.3	2.6	5.3	63.9			
MI-1	9/6/2016	1130	11.2	24.9	592.4	8.3	2.6	5.2	63.3			
MI-1	9/6/2016	1130	12.5	24.9	592.3	8.3	2.6	5.2	62.9			
MI-1	9/6/2016	1130	13.0	24.8	592.0	8.3	2.7	5.1	61.9			
MI-1	9/6/2016	1130	14.1	24.8	592.0	8.3	2.7	5.1	61.6			
MI-1	9/6/2016	1130	15.0	24.8	591.7	8.3	2.9	4.9	59.2			
MI-1	9/6/2016	1130	16.0	24.8	591.7	8.3	3.1	4.9	58.8			
MI-1	9/6/2016	1130	17.0	24.8	591.6	8.3	3.6	4.5	54.0			
MI-3	9/6/2016	1230	0.2	25.07	588.8	8.5	9.1	6.9	84.2	0.60		
MI-3	9/6/2016	1230	1.0	25.06	588.7	8.5	9.1	6.9	84.1			
MI-3	9/6/2016	1230	2.0	25.04	588.5	8.5	9.2	6.9	83.9			
MI-3	9/6/2016	1230	3.0	25.03	588.5	8.5	9.3	6.9	83.7			
MI-3	9/6/2016	1230	4.0	25.01	588.3	8.5	9.3	6.9	83.4			
MI-3	9/6/2016	1230	5.0	25.00	588.2	8.5	9.1	6.8	82.9			
MI-3	9/6/2016	1230	6.0	25.00	588.2	8.5	9.2	6.8	82.8			
MI-3	9/6/2016	1230	7.0	25.00	588.2	8.5	9.3	6.8	82.6			
MI-3	9/6/2016	1230	8.0	24.98	588.5	8.5	9.3	6.8	82.3			
MI-3	9/6/2016	1230	9.0	24.96	588.9	8.5	9.2	6.8	82.0			
MI-3	9/6/2016	1230	10.0	24.96	589.3	8.5	9.0	6.8	81.9			
MI-5	9/6/2016	1300	0.8	25.32	454.8	8.1	96.4	6.5	79.3	0.18		
MI-5	9/6/2016	1300	1.0	25.32	454.7	8.0	121.0	6.4	78.3			
MI-5	9/6/2016	1300	2.0	25.28	454.6	8.0	107.9	6.3	76.4			
MI-5	9/6/2016	1300	3.0	25.27	454.8	8.0	109.5	6.3	76.1