

Water Quality Monitoring Results on 1/3/2007

Date	Weather Condition	Lake Condition	Sampling Time	Depth (m)	In-situ Monitoring												Laboratory Monitoring																									
					Temperature (°C)		DO Concentration (mg/L)		DO Saturation (%)		Turbidity (NTU)			pH			Conductivity (mS/cm)		Salinity (g/L)		Suspended Solid (mg/L)			Total Nitrogen (mg/L)		Total Phosphorous (mg/L)		Silica (mg/L)		5-day BOD (mg/L)		COD (mg/L)		Ammonia Nitrogen (mg/L)		Unionsed Ammonia (mg/L)		chlorophyll-a (mg/L)		E Coli (cfu/100mL)		
					Value	Average	Value	Average	Value	Average	Value	Average	DA	Value	Average	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	GM	
WM1	Fine	Moderate	8:43	Surface	1	18.8	18.8	5.35	5.11	58.7	58.5	2.4	2.4	2.5	7.5	7.5	7.5	94.5	94.6	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.1	7.1	-	-	-	-	<0.01000	<0.00074	1.5	1.6	-	-	-	
				Bottom	3.8	18.8	18.8	4.86		52.0	52.4	2.4	2.5		7.5	7.5				94.7	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.0	7.1	-	-	-	-	<0.01000	<0.01000	1.6	-	-	-	-
WM2	Fine	Moderate	9:01	Surface	1	18.8	18.8	4.87	4.87	52.1	52.3	2.6	2.6	2.6	7.4	7.5	7.5	94.9	94.8	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.8	6.7	-	-	-	-	<0.01000	<0.00076	1.4	1.6	-	-	-	
				Bottom	3.8	18.8	18.8	4.86		52.0	52.1	2.6	2.6		7.5	7.5				94.7	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.6	6.7	-	-	-	-	<0.01000	<0.01000	1.8	-	-	-	-
WM3	Fine	Moderate	9:17	Surface	1	18.8	18.8	4.89	4.91	52.4	52.5	2.5	2.5	2.5	7.5	7.5	7.5	94.5	94.7	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.1	6.3	-	-	-	-	<0.01000	<0.00064	1.7	1.6	-	-	-	
				Bottom	3.8	18.8	18.8	4.93		52.8	53.0	2.5	2.5		7.5	7.5				94.8	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.4	6.3	-	-	-	-	<0.01000	<0.01000	1.5	-	-	-	-
WM4	Fine	Moderate	9:32	Surface	1	18.8	18.8	4.97	5.05	53.0	52.8	2.5	2.6	2.6	7.5	7.5	7.5	94.8	94.7	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.8	6.5	-	-	-	-	<0.01000	<0.00088	1.8	1.8	-	-	-	
				Bottom	4	18.8	18.8	5.13		52.6	52.9	2.5	2.5		7.5	7.5				94.6	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.4	6.5	-	-	-	-	<0.01000	<0.01000	1.7	-	-	-	-
WM5	Fine	Moderate	9:46	Surface	1	18.8	18.8	5.23	5.18	56.4	56.3	2.5	2.5	2.5	7.5	7.5	7.5	94.5	94.7	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.2	6.4	-	-	-	-	<0.01000	<0.00069	1.6	1.5	-	-	-	
				Bottom	3.9	18.8	18.8	5.13		56.2	54.9	2.4	2.5		7.5	7.5				94.8	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.5	6.4	-	-	-	-	<0.01000	<0.01000	1.4	-	-	-	-

Note:
 Lake Condition - Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
 DA - Depth Average
 AA - Annual Average
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Water Quality Monitoring Results on 1/15/2007

Date	Weather Condition	Lake Condition	Sampling Time	Depth (m)	In-situ Monitoring												Laboratory Monitoring																											
					Temperature (°C)		DO Concentration (mg/L)	DO Saturation (%)		Turbidity (NTU)		pH		Conductivity (mS/cm)		Salinity (g/L)		Suspended Solid (mg/L)		Total Nitrogen (mg/L)		Total Phosphorous (mg/L)		Silica (mg/L)		5-day BOD (mg/L)		COD (mg/L)		Ammonia Nitrogen (mg/L)		Unionsed Ammonia (mg/L)		chlorophyll-a (mg/L)		E Coli (cfu/100mL)								
					Value	Average	Value	Average	Value	Average	DA	Value	Average	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	GM					
WM1	Cloudy	Calm	9:28	Surface	1	16.9	16.9	7.07	6.98	88.8	89.0	1.2	1.2	1.3	7.1	7.1	7.1	86.7	86.7	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.3	7.3	-	-	-	-	<0.01000	<0.00072	1.5	1.6	-	-	-	-		
				Bottom	3.6	16.8	16.9	6.89		88.6	86.8	1.3	1.3		7.1	7.1	7.1		86.6	86.8	<0.1	<2	<2	<2.00	0.2	0.2	<0.02	<0.02	7.3	7.3	-	-	-	-	<0.01000	<0.01000	1.6	1.6	-	-	-	-		
WM2	Cloudy	Calm	9:15	Surface	1	16.8	16.8	6.95	6.94	87.7	87.6	1.3	1.3	1.3	7.1	7.1	7.1	87.1	86.8	<0.1	<0.1	<2	<2	<2.00	0.1	0.1	<0.02	<0.02	7.5	7.5	-	-	-	-	0.02	0.020	<0.00074	<0.00074	1.4	1.5	-	-	-	-
				Bottom	3.8	16.7	16.7	6.93		87.2	87.1	1.3	1.3		7.1	7.1	7.1		86.5	86.8	<0.1	<2	<2	<2.00	0.1	0.1	<0.02	<0.02	7.5	7.5	-	-	-	-	0.02	0.020	<0.00074	<0.00074	1.5	1.5	-	-	-	-
WM3	Cloudy	Calm	9:36	Surface	1	16.9	16.9	6.87	6.83	86.6	86.6	1.4	1.4	1.4	7.2	7.2	7.2	86.9	86.9	<0.1	<0.1	<2	<2	<2.00	0.2	0.2	<0.02	<0.02	7.4	7.4	-	-	-	-	<0.01000	<0.00063	1.3	1.4	-	-	-	-		
				Bottom	3.7	16.8	16.8	6.79		86.5	85.9	1.3	1.3		7.2	7.2	7.2		86.8	86.8	<0.1	<2	<2	<2.00	0.2	0.2	<0.02	<0.02	7.4	7.4	-	-	-	-	<0.01000	<0.01000	1.4	1.4	-	-	-	-		
WM4	Cloudy	Calm	9:45	Surface	1	16.9	16.9	6.71	6.72	84.7	84.9	1.2	1.2	1.3	7.1	7.1	7.1	87.0	86.8	<0.1	<0.1	<2	<2	<2.00	0.3	0.4	<0.02	<0.02	7.3	7.4	-	-	-	-	<0.01000	<0.01000	1.3	1.5	-	-	-	-		
				Bottom	3.7	16.8	16.8	6.72		85.1	85.3	1.3	1.3		7.1	7.1	7.1		86.5	86.8	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	7.5	7.5	-	-	-	-	<0.01000	<0.01000	1.6	1.6	-	-	-	-		
WM5	Cloudy	Calm	9:54	Surface	1	16.8	16.9	6.87	6.86	86.7	86.6	1.3	1.3	1.3	7.2	7.2	7.2	86.5	86.5	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.5	7.5	-	-	-	-	0.01	0.010	<0.00067	<0.00067	1.4	1.5	-	-	-	-
				Bottom	3.6	16.9	16.9	6.85		86.6	86.3	1.3	1.3		7.1	7.1	7.1		86.4	86.5	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.5	7.5	-	-	-	-	0.01	0.010	<0.00067	<0.00067	1.5	1.5	-	-	-	-

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Water Quality Monitoring Results on 2/1/2007

Date	Weather Condition	Lake Condition	Sampling Time	Depth (m)	In-situ Monitoring												Laboratory Monitoring																												
					Temperature (°C)		DO Concentration (mg/L)		DO Saturation (%)		Turbidity (NTU)			pH			Conductivity (mS/cm)		Salinity (g/L)		Suspended Solid (mg/L)			Total Nitrogen (mg/L)		Total Phosphorous (mg/L)		Silica (mg/L)		5-day BOD (mg/L)		COD (mg/L)		Ammonia Nitrogen (mg/L)		Unionsed Ammonia (mg/L)		chlorophyll-a (mg/L)		E Coli (cfu/100mL)					
					Value	Average	Value	Average	Value	Average	Value	Average	DA	Value	Average	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	GM		
WM1	Sunny	Moderate	9:19	Surface	1	15.8	15.7	6.09		90.1	90.4	1.1	1.2		1.2	7.1	7.1	7.1		86.8	86.6	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.9	6.7	-	-	-	-	0.04	<0.02500	<0.00070	0.8	0.8	-	-	-	-
				Bottom	3.8	15.6	15.6	6.03		90.0	89.9	1.2	1.2		1.2	7.1	7.1	7.1		86.4	86.5	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.5	7.1	-	-	-	-	<0.01000	<0.01000	<0.00070	0.8	0.8	-	-	-	-
WM2	Sunny	Moderate	9:10	Surface	1	15.7	15.7	5.88		88.8	88.7	1.2	1.2		1.2	7.1	7.1	7.1		86.6	86.6	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.1	7.1	-	-	-	-	<0.01000	<0.00073	0.9	0.9	-	-	-	-	
				Bottom	3.6	15.6	15.6	5.84		88.6	88.0	1.2	1.2		1.2	7.1	7.1	7.1		86.5	86.5	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.1	7.1	-	-	-	-	<0.01000	<0.01000	<0.00073	0.8	0.8	-	-	-	-
WM3	Sunny	Moderate	9:29	Surface	1	15.6	15.6	5.93		89.5	89.5	1.3	1.3		1.3	7.1	7.2	7.2		86.9	86.8	<0.1	<0.1	<2	<2	<2.00	0.5	0.4	<0.02	<0.02	7.2	7.2	-	-	-	-	<0.01000	<0.01000	<0.00061	0.7	0.7	-	-	-	-
				Bottom	3.6	15.6	15.6	5.89		89.4	89.2	1.2	1.2		1.2	7.1	7.1	7.1		86.6	86.6	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	7.2	7.2	-	-	-	-	<0.01000	<0.01000	<0.00061	0.6	0.6	-	-	-	-
WM4	Sunny	Moderate	9:38	Surface	1	15.7	15.7	5.80		88.1	88.1	1.2	1.2		1.2	7.1	7.1	7.1		87.1	87.2	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	7.2	7.2	-	-	-	-	<0.01000	<0.01000	<0.00084	0.8	0.8	-	-	-	-
				Bottom	3.7	15.6	15.7	5.75		88.0	87.7	1.1	1.1		1.1	7.1	7.1	7.1		87.2	87.2	<0.1	<0.1	<2	<2	<2.00	0.3	0.4	<0.02	<0.02	7.1	7.2	-	-	-	-	<0.01000	<0.01000	<0.00084	0.7	0.7	-	-	-	-
WM5	Sunny	Moderate	9:46	Surface	1	15.7	15.7	5.62		86.6	86.5	1.3	1.3		1.3	7.2	7.2	7.2		86.6	86.6	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	7.0	7.0	-	-	-	-	<0.01000	<0.01000	<0.00066	0.8	0.8	-	-	-	-
				Bottom	3.7	15.5	15.5	5.61		86.5	86.2	1.3	1.3		1.3	7.1	7.1	7.1		86.5	86.5	<0.1	<0.1	<2	<2	<2.00	0.2	0.3	<0.02	<0.02	6.9	7.0	-	-	-	-	<0.01000	<0.01000	<0.00066	0.8	0.8	-	-	-	-

Note:
 Lake Condition - Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher
 DA - Depth Average
 AA - Annual Average
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Water Quality Monitoring Results on 2/13/2007

Date	Weather Condition	Lake Condition	Sampling Time	Depth (m)	In-situ Monitoring												Laboratory Monitoring																									
					Temperature (°C)		DO Concentration (mg/L)	DO Saturation (%)		Turbidity (NTU)			pH			Conductivity (mS/cm)		Salinity (g/L)		Suspended Solid (mg/L)			Total Nitrogen (mg/L)		Total Phosphorous (mg/L)		Silica (mg/L)		5-day BOD (mg/L)		COD (mg/L)		Ammonia Nitrogen (mg/L)		Unionsed Ammonia (mg/L)		chlorophyll-a (mg/L)		E Coli (cfu/100mL)			
					Value	Average	Value	Average	Value	Average	DA	Value	Average	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	GM	
WM1	Sunny	Calm	9:20	Surface	1	19.5	19.6	6.46	6.50	80.3	80.4	1.3	1.3	1.3	7.3	7.3	7.3	85.6	85.6	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	6.6	6.7	-	-	-	-	0.02	<0.01500	<0.00069	1.0	1.1	-	-	-
				Bottom	3.6	19.5	19.5	6.51		80.0	78.9	1.3	1.3	1.3	7.3	7.3	7.3	85.6	85.6	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	6.7	6.7	-	-	-	-	<0.01000	<0.01000	<0.00069	1.2	1.1	-	-	-
WM2	Sunny	Calm	9:11	Surface	1	19.6	19.6	6.71	6.65	83.1	83.0	1.3	1.3	1.3	7.3	7.3	7.3	85.7	85.8	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.5	6.5	-	-	-	-	<0.01000	<0.01000	<0.00071	1.1	1.5	-	-	-
				Bottom	3.6	19.5	19.5	6.58		81.4	81.0	1.2	1.2	1.2	7.3	7.3	7.3	85.8	85.8	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.5	6.5	-	-	-	-	0.01	<0.01000	<0.00071	1.9	1.9	-	-	-
WM3	Sunny	Calm	9:29	Surface	1	19.5	19.5	6.46	6.56	79.8	79.8	1.3	1.3	1.3	7.3	7.3	7.3	86.4	86.3	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	6.6	6.6	-	-	-	-	0.02	0.015	<0.00060	1.2	1.3	-	-	-
				Bottom	3.5	19.4	19.4	6.66		82.2	82.1	1.3	1.3	1.3	7.3	7.3	7.3	86.1	86.1	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	6.6	6.6	-	-	-	-	0.01	<0.01000	<0.00060	1.3	1.3	-	-	-
WM4	Sunny	Calm	9:39	Surface	1	19.6	19.6	6.56	6.65	81.5	81.3	1.4	1.4	1.4	7.4	7.4	7.4	85.9	86.0	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	6.8	6.7	-	-	-	-	0.01	<0.01000	<0.00082	1.9	1.6	-	-	-
				Bottom	3.5	19.5	19.5	6.74		83.6	83.4	1.3	1.3	1.3	7.3	7.3	7.3	86.1	86.1	<0.1	<0.1	<2	<2	<2.00	0.3	0.3	<0.02	<0.02	6.7	6.7	-	-	-	-	<0.01000	<0.01000	<0.00082	1.2	1.2	-	-	-
WM5	Sunny	Calm	9:49	Surface	1	19.6	19.6	6.45	6.37	80.1	80.0	1.3	1.3	1.3	7.3	7.3	7.3	86.6	86.6	<0.1	<0.1	<2	<2	<2.00	0.2	0.3	<0.02	<0.02	6.8	6.7	-	-	-	-	<0.01000	<0.01000	<0.00064	1.4	1.5	-	-	-
				Bottom	3.6	19.6	19.6	6.29		77.8	78.0	1.3	1.3	1.3	7.3	7.3	7.3	86.6	86.6	<0.1	<0.1	<2	<2	<2.00	0.4	0.4	<0.02	<0.02	6.6	6.7	-	-	-	-	<0.01000	<0.01000	<0.00064	1.6	1.6	-	-	-

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