

HRM Lake / River Water Quality Monitoring Program

October 2006 See Notes at bottom

Lake Deep Stations				Geodetic (UTM - NAD83 - Zone 20)		On-Site Data													Laboratory Data											
Lake	Community	Date	Time	Easting	Northing	Lake Depth at sample site	Sample Depth (m)	Secchi Depth (m)	Temp (Celsius)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	pH	ORP	TDS	Salinity	Conductivity (mS/cm)	Turbidity (NTU)	Colour (TCU)	Dissolved Chloride (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	TKN (mg/L)	Total Phosphorus (mg/L)	TSS (mg/L)	Fecal Coliform (MPN/ml)	E. coli (MPN/mL)	Chlorophyll a - Acidification (ug/L)	Chlorophyll a - Welschmeyer (ug/L)	Phaeophytin a (ug/L chl eq/L)	
Albro Lake	Dartmouth	Oct 13 2006	11:00am	454274	494867	5.0	1.0	4.0	14.70	9.98	98.3	7.49	175.0	0.189	0.14	0.291	0.5	ND	72	ND	ND	0.3	ND	1	4	ND	2.52	2.39	0.34	
Anderson Lake	Dartmouth	--	--	450801	4952544	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barrett Lake	Beaverbank	Oct 17 2006	3:10pm	445586	4962507	5.3	1.0	2.5	14.05	8.99	87.4	7.14	223.4	0.094	0.07	0.145	1.2	20	28	ND	ND	0.3	0.003	ND	33	19	2.79	2.64	0.55	
Beaver Pond	Beaverbank	--	--	448242	4960989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bell Lake	Dartmouth	Nov 1 2002	9:47am	459571	4946971	7.3	1.0	4.3	8.69	11.40	97.9	6.66	189.8	0.035	0.02	0.053	0.5	ND	9	ND	ND	0.3	0.007	1	ND	ND	2.12	1.99	0.67	
Bissett Lake	Cole Harbour	Oct 13 2006	9:20am	462583	4945147	9.1	1.0	3.0	14.73	9.83	97.2	7.80	174.1	0.177	0.13	0.273	0.8	11	54	ND	ND	0.4	0.008	1	ND	ND	2.65	2.52	0.99	
Black Point Lake	Hubley	Oct 30 2006	11:40am	437713	4946472	2.4	1.0	1.0	7.67	11.41	95.7	5.24	260.0	0.060	0.04	0.093	1.9	65	25	0.08	ND	0.7	0.018	3	ND	ND	2.35	2.84	4.34	
Chocolate Lake	Mainland South	Oct 25 2006	1:00pm	450558	4942992	13.0	1.0	5.3	12.19	10.43	98.2	6.39	189.3	0.206	0.15	0.317	0.5	ND	65	0.12	ND	0.1	ND	ND	ND	0.22	0.21	0.11	0.11	
Cranberry Lake	Dartmouth	Oct 13 2006	10:15am	460557	4948554	3.3	1.0	2.5	14.76	9.45	93.8	7.56	182.2	0.146	0.11	0.225	1.3	11	43	0.11	ND	0.4	0.008	2	6	ND	1.53	1.55	0.80	
Drain Lake	Middle Sackville	Oct 24 2006	2:20pm	440289	4961153	3.3	1.0	1.0	10.23	10.84	96.6	7.09	211.1	0.094	0.07	0.146	2.2	19	30	0.06	ND	2.5	0.033	6	ND	ND	31.04	30.67	5.50	
Duck Lake	Beaverbank	Nov 1 2006	10:54am	445994	4961611	3.3	1.0	1.0	7.96	12.13	102.7	7.10	219.0	0.118	0.09	0.181	3.9	15	34	ND	ND	0.5	0.020	6	1	ND	33.11	32.40	2.03	
Fenerty Lake	Beaverbank	Oct 24 2006	11:30am	443418	4964094	5.0	1.0	1.5	11.57	9.75	89.6	6.39	193.3	0.045	0.03	0.069	1.5	33	13	ND	ND	0.4	0.022	2	ND	ND	6.19	5.91	1.99	
First Lake	Middle Sackville	Oct 17 2006	11:45am	447394	4957987	23.0	1.0	2.5	14.40	8.77	85.9	7.41	198.5	0.261	0.19	0.401	0.7	ND	91	ND	ND	0.3	ND	2	170	37	1.87	1.86	0.85	
Fletchers Lake	Fall River	Oct 16 2006	11:30am	451782	4965188	5.3	1.0	3.2	14.41	9.58	93.9	7.19	190.1	0.095	0.07	0.146	0.6	11	31	0.10	ND	0.3	ND	ND	ND	ND	2.17	2.02	0.47	
Governor Lake	Timberlea	Oct 25 2006	1:57pm	444610	4943383	11.0	1.0	1.2	11.61	9.85	92.0	6.60	204.6	0.167	0.12	0.256	2.2	34	59	0.08	ND	0.5	0.011	2	1	ND	2.20	2.33	2.50	
Grand Lake	Waverley	Oct 16 2006	12:45pm	451015	4969947	9.5	1.0	4.5	15.07	9.99	98.1	7.09	203.6	0.056	0.04	0.087	0.3	14	17	0.10	ND	0.2	ND	ND	ND	ND	1.66	1.53	0.43	
Hubley Big Lake	Hubley	Oct 30 2006	10:10am	434129	4944834	10.0	1.0	1.3	8.83	11.48	98.9	5.18	248.5	0.029	0.02	0.045	1.0	39	11	ND	ND	0.5	0.024	2	ND	ND	1.86	2.08	2.84	
Kearney Lake	Bedford	Oct 25 2006	2:50pm	444719	4949434	25.0	1.0	4.0	11.99	10.17	95.3	6.68	222.0	0.093	0.07	0.143	0.3	14	32	0.18	ND	0.2	ND	ND	ND	ND	0.90	0.86	0.36	
Kinsac Lake	Fall River	Oct 16 2006	2:30pm	448972	4962489	9.8	1.0	2.8	14.83	9.62	95.7	6.78	214.0	0.045	0.03	0.069	0.7	26	13	ND	ND	0.4	0.003	1	2	1	4.26	4.16	1.09	
Lake Banook	Dartmouth	Oct 11 2006	9:16am	455933	4947646	11.0	1.0	3.0	15.18	10.02	100.0	7.81	168.5	0.214	0.16	0.330	1.0	ND	65	ND	ND	0.4	0.002	1	4	ND	2.15	2.01	0.77	
Lake Charles	Dartmouth	Oct 16 2006	9:13am	456556	4952323	23.0	1.0	3.0	14.65	9.73	95.9	7.47	154.7	0.123	0.09	0.190	0.6	7	39	0.12	ND	0.3	0.003	1	2	ND	5.00	4.68	0.48	
Lake Echo	Eastern Shore	Oct 31 2006	10:34am	469463	4951905	--	1.0	1.0	9.03	11.11	96.2	5.52	232.7	0.027	0.02	0.042	2.5	46	6	0.06	ND	0.6	0.008	3	ND	ND	1.87	1.96	1.74	
Lake Micmac	Dartmouth	Oct 11 2006	9:43am	456587	4948976	12.0	1.0	4.5	14.89	10.17	101.1	7.81	169.1	0.197	0.15	0.303	0.6	5	59	ND	ND	0.3	0.002	ND	1	ND	2.04	1.91	0.47	
Lake Thomas	Waverley	Oct 16 2006	10:40am	451813	4960546	11.0	1.0	4.5	14.86	9.60	97.8	7.32	183.6	0.101	0.07	0.155	0.5	11	32	0.05	ND	0.3	ND	ND	1	ND	1.47	1.41	0.43	
Lake William	Waverley	Oct 16 2006	10:06am	453749	4957592	29.0	1.0	4.5	14.49	9.50	94.4	7.30	180.7	0.099	0.07	0.153	0.4	13	32	0.10	ND	0.3	ND	ND	ND	ND	1.87	1.83	0.56	
Lisle Lake	Sackville	Oct 24 2006	1:10pm	442771	4963434	3.3	1.0	2.3	9.81	9.19	83.2	6.37	205.2	0.078	0.06	0.120	0.7	13	24	0.23	ND	0.4	0.037	2	ND	ND	3.07	3.02	1.90	
Little Albro Lake	Dartmouth	Oct 13 2006	11:30am	454240	4948038	2.7	1.0	2.5	14.57	9.40	92.5	7.29	191.5	0.172	0.13	0.265	0.3	6	62	ND	ND	0.3	ND	1	ND	ND	0.57	0.57	0.33	
Long Lake	Mainland South	Oct 25 2006	11:56am	448921	4941483	15.0	1.0	2.0	12.00	10.11	94.3	6.06	217.8	0.103	0.08	0.159	0.8	48	39	0.09	ND	0.4	0.003	ND	ND	ND	0.59	0.60	0.24	
Maynard Lake	Dartmouth	Oct 11 2006	12:00pm	456160	4946559	9.0	1.0	6.5	15.50	9.40	94.8	7.37	180.5	0.199	0.15	0.306	0.4	6	71	ND	ND	0.3	ND	ND	1	ND	2.47	2.28	0.36	
McIntosh Run	Above outlet to Herring Cove	Oct 27 2006	9:30am	455802	4935740	--	1.0	--	8.10	11.17	95.2	5.97	209.6	0.083	0.06	0.128	0.7	47	31	0.25	ND	0.4	0.010	ND	ND	ND	0.40	0.52	0.81	
Morris Lake North	Dartmouth	Nov 8 2006	10:30am	459804	4945149	--	1.0	3.8	7.09	11.90	--	7.53	--	--	--	0.218	0.3	--	44	0.08	<0.01	0.3	<0.002	<2	<1	--	1.45	1.42	0.51	
Morris Lake South	Dartmouth	Nov 8 2006	10:50am	460768	4944294	--	1.0	5.3	7.32	12.05	--	7.51	--	--	--	0.220	0.4	--	44	0.08	<0.01	0.6	<0.002	<2	2	--	0.95	0.91	0.42	
Nine-Mile River	Timberlea	Oct 31 2006	3:43pm	437584	4933402	--	1.0	--	8.89	12.25	104.1	5.70	205.9	0.116	0.08	0.179	1.2	66	48	0.24	ND	0.4	0.029	3	ND	ND	2.87	2.93	2.94	
Oathill Lake	Dartmouth	Oct 11 2006	11:11am	456385	4946811	6.0	1.0	4.5	14.91	8.23	81.6	7.30	176.9	0.205	0.15	0.315	0.4	11	64	0.05	ND	0.3	0.003	ND	2	ND	2.90	2.80	0.73	
Papermill Lake	Bedford	Oct 25 2006	9:00am	445823	4951473	7.5	1.0	2.5	10.93	9.90	90.3	6.75	189.0	0.087	0.06	0.133	0.6	16	30	0.21	ND	0.2	0.006	ND	1	ND	1.17	1.09	0.41	
Penhorn Lake	Dartmouth	Oct 11 2006	1:20pm	457122	4947028	9.0	1.0	2.5	15.19	8.99	90.1	7.41	193.8	0.250	0.19	0.385	0.9	6	90	ND	ND	0.3	ND	ND	2	ND	5.92	5.43	0.98	
Powder Mill Lake	Waverley	Oct 17 2006	9:10am	451578	4958319	15.0	1.0	2.5	13.71	9.24	89.6	7.24	195.0	0.119	0.09	0.183	0.7	7	37	ND	ND	0.2	ND	2	140	26	2.15	2.08	0.63	
Rocky Lake	Bedford	Oct 17 2006	10:45am	450658	4955707	15.0	1.0	3.0	13.77	8.90	86.1	7.56	200.6	0.188	0.18	0.290	0.7	9	53	0.06	ND	0.4	ND	2	150	26	4.81	4.84	1.03	
Russell Lake	Dartmouth	Oct 31 2006	--	458365	4946076	--	1.0	--	8.36	12.26	--	7.21	--	0.170	--	0.330	3.6	--	79	<0.05	<0.01	--	0.011	4	<1	--	6.58	--	--	
Sackville River	Below Fish Hatchery PS	Oct 27 2006	10:30am	447550	4953116	--	1.0	--	7.30	12.20	102.0	6.69	191.6	0.062	0.04	0.095	1.7	36	20	0.13	ND	0.4	0.012	3	ND	ND	1.86	1.84	1.12	
Sandy Lake	Bedford	Oct 24 2006	3:55pm	444550	4953619	19	1.0	1.5	12.24	9.47	89.1	6.43	229.5	0.064	0.05	0.099	0.9	35	21	ND	ND	0.3	0.009	2	ND	ND	8.85	8.67	0.40	
Sandy Lake	Hammonds Plains - Glen Arbour	Oct 30 2006	2:47pm	438161	4956237	11.0	1.0	--	8.81	11.38	98.2	6.76	219.5	0.030	0.02	0.046	1.0	7	6	ND	ND	0.4	0.008	2	ND	ND	4.32	4.03	0.77	
Second Lake	Middle Sackville	Oct 17 2006	1:40pm	447935	4958870	13.0	1.0	3.5	14.38	9.30	91.0	7.10	202.8	0.078	0.06	0.120	0.4	12	25	ND	ND	0.4	0.002	1	32	11	1.49	1.44	0.45	
Settle Lake	Dartmouth	Oct 31 2006	12:36pm	459997	4947372	7.0	1.0	2.0	8.84	11.26	98.4	7.22	211.8	0.164	0.12	0.253	3.8	20	53	0.10	ND	0.6	0.025	2	1	1	12.27	12.66	2.33	
Sheldrake Lake	Hubley	Oct 30 2006	10:30am	436834	4947274	7.0	1.0	1.0	8.68	10.88	94.0	5.50	261.6	0.049	0.04	0.076	1.5	68	19	0.08	ND	0.5	0.030	2	ND	ND	1.69	2.18	4.66	
Smelt Brook	Dartmouth	Oct 11 2006	2:43pm	463241	4940670	0.3	1.0	--	12.48	10.15	95.6	7.06	189.6																	