

**WATER QUALITY ANALYSES
HRM LAKE SAMPLING PROGRAM**

See NOTES below

LAKES

Spring, 2008	Units	RDL	CCME Guideline Level	ALBRO LAKE
Community				Dartmouth
Sampling Date & Time	DD/MM/YYYY 24hr time			06/05/2008 13:45
FIELD DATA				
Secchi Depth	Meters	N/A		4.0
Temp	Celsius	N/A		13.41
Dissolved Oxygen	mg/L	0.2	6-9.5	11.32
pH	pH	N/A	6.5-9.0	7.13
Specific Conductance	mS/cm	0.001		0.473
TDS	g/L	0.01		0.307
Salinity	ppt	0.01		0.23
INORGANICS				
Total Alkalinity (Total as CaCO ₃)	mg/L	5		9
Dissolved Chloride (Cl)	mg/L	5		120
Colour	TCU	5		ND
Total Kjeldahl Nitrogen (TKN)	mg/L	0.1		ND
Nitrate + Nitrite	mg/L	0.05	13000	ND
Nitrate (N)	mg/L	0.05		ND
Nitrite (N)	mg/L	0.01		ND
Nitrogen (Ammonia Nitrogen)	mg/L	0.05	19	ND
Total Organic Carbon (C)	mg/L	0.5		2.2
Orthophosphate (P)	mg/L	0.01		ND
pH (Lab)	pH	N/A	6.5-9.0	7.11
Total Phosphorus (1M depth)	mg/L	0.002		0.002
Reactive Silica (SiO ₂)	mg/L	0.5		ND
Total Suspended Solids	mg/L	1		ND
Dissolved Sulphate (SO ₄)	mg/L	2		13
Turbidity	NTU	0.1		0.3
Conductivity	uS/cm	1		470
Calculated Parameters				
Anion Sum	me/L	N/A		3.91
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	1		8
Calculated TDS	mg/L	1		233
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	1		ND
Cation Sum	me/L	N/A		4.1
Hardness (CaCO ₃)	mg/L	1		32
Ion Balance (% Difference)	%	N/A		2.37
Langelier Index (@ 20C)	N/A	N/A		-2.31

Langelier Index (@ 4C)	N/A	N/A		-2.56
Saturation pH (@ 20C)	N/A	N/A		9.42
Saturation pH (@ 4C)	N/A	N/A		9.67
Metals (ICP-OES)				
Total Aluminum (Al)	ug/L	10		ND
Total Antimony (Sb)	ug/L	2		ND
Total Arsenic (As)	ug/L	2		ND
Total Barium (Ba)	ug/L	5		8
Total Beryllium (Be)	ug/L	2		ND
Total Bismuth (Bi)	ug/L	2		ND
Total Boron (B)	ug/L	5		5
Total Cadmium (Cd)	ug/L	0.3		ND
Total Calcium (Ca)	mg/L	0.1		11
Total Chromium (Cr)	ug/L	2		ND
Total Cobalt (Co)	ug/L	1		ND
Total Copper (Cu)	ug/L	2		ND
Total Iron (Fe)	ug/L	50		ND
Total Lead (Pb)	ug/L	0.5		ND
Total Magnesium (Mg)	mg/L	0.1		1.1
Total Manganese (Mn)	ug/L	2		28
Total Molybdenum (Mo)	ug/L	2		ND
Total Nickel (Ni)	ug/L	2		ND
Total Phosphorus (P)	mg/L	0.1		ND
Total Potassium (K)	mg/L	0.1		0.9
Total Selenium (Se)	ug/L	2		ND
Total Silver (Ag)	ug/L	0.5		ND
Total Sodium (Na)	mg/L	0.1		79
Total Strontium (Sr)	ug/L	5		45
Total Thallium (Tl)	ug/L	2		ND
Total Tin (Sn)	ug/L	2		ND
Total Titanium (Ti)	ug/L	2		ND
Total Uranium (U)	ug/L	0.1		ND
Total Vanadium (V)	ug/L	2		ND
Total Zinc (Zn)	ug/L	5		ND
MICROBIOLOGICAL				
Fecal coliform Lake	MPN/100mL	1	200	ND
Fecal coliform Outlet	MPN/100mL	1	200	2
Fecal coliform Inlet	MPN/100mL	1	200	--
Chlorophyll A - Acidification method	ug/L	N/A		0.85
Chlorophyll a - Welschmeyer method	ug/L	N/A		0.89

Notes:

-- Not Analysed
NC Not Calculable
ND Not Detected
N/A Not Applicable

Russell Lake - sampled by JWL for Clayton Develop
Morris Lake - sampled by JWL for HRM

MPN Most Probable Number
RDL Reportable Detection Limit
ug Micrograms
mg Milligrams
L Litre

CCME - Canadian Council of Ministers of Environment
Fecal Coliform Guideline: for Contact Recreation
Dissolved Oxygen Guideline: lowest acceptable level

Bacterial level of concern for swimming

Bacterial level unsuitable for swimming

BARRETT LAKE	BELL LAKE	BISSETT LAKE	BLACK DUCK POND	BLACK POINT LAKE
Beaverbank	Dartmouth	Cole Harbour	Lakeside	Hubley
27/05/2008 12:00	14/05/2008 11:10	07/05/2008 11:21	21/05/2008 13:00	29/05/2008 13:00
2.3	N/A	4.8	N/A	2.2
13.85	10.89	13.06	11.85	15.76
11.15	11.45	11.15	10.79	10.14
6.96	6.86	7.14	5.00	4.80
0.273	0.055	0.886	1.014	0.185
0.178	0.036	0.576	0.659	0.120
0.13	0.02	0.44	0.50	0.09
10	ND	24	ND	ND
68	10	220	280	51
20	ND	9	8	75
0.2	0.4	ND	0.2	ND
0.11	ND	0.17	0.15	ND
0.11	ND	0.17	0.15	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
2.8	2	2	2.8	5.9
ND	ND	ND	ND	ND
7.27	6.41	7.62	4.85	5.12
0.014	0.07	0.011	0.01	0.011
2.4	0.7	1.2	3.7	ND
2	1	1	2	1
10	5	23	41	4
1.6	0.7	0.4	1.2	0.7
280	55	870	1000	190
2.33	0.38	7.28	8.74	1.53
10	ND	24	ND	ND
139	26	443	518	91
ND	ND	ND	ND	ND
2.33	0.49	8.01	8.64	1.6
27	10	67	66	13
0	12.6	4.77	0.58	2.24
-2.17	NC	-1.1	NC	NC

-2.42	NC		-1.34	NC	NC
9.44	NC		8.72	NC	NC
9.69	NC		8.96	NC	NC
56	58	18	810	210	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
21	12	26	31	37	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
8	7	8	7	ND	
ND	ND	ND	0.5	ND	
8.5	2.4	23	21	3.6	
ND	ND	ND	ND	ND	
ND	ND	ND	4	ND	
ND	ND	2	3	ND	
240	ND	65	130	200	
ND	ND	ND	1.2	0.6	
1.3	1	2.5	2.9	0.9	
110	18	190	300	77	
ND	ND	ND	ND	ND	
ND	ND	ND	9	ND	
ND	ND	ND	ND	ND	
1.3	0.9	2.1	1.7	0.8	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
40	6	150	170	30	
29	11	66	94	17	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
2	ND	ND	3	ND	
ND	ND	ND	0.2	0.1	
ND	ND	ND	ND	ND	
8	ND	7	96	11	
3	ND	ND	2	ND	
14	ND	4	--	2	
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8.31	1.77	0.44	0.59	0.66	
8.16	1.98	0.46	0.61	0.74	

nents; North Inlet data shown

ent Guidelines for the Protection of Aquatic Life

el depending on temperature and life stage

(≥ 200 but < 400)

(≥ 400)

CHOCOLATE LAKE	CRANBERRY LAKE	DENT'S PUNCH BOWL	DE SAID LAKE	DRAIN LAKE
Mainland South	Dartmouth	Cowie Hill	Dartmouth	Middle Sackville
26/05/2008 8:00	06/05/2008 11:52	26/05/2008 9:00	14/05/2008 10:45	28/05/2008 11:25
7.4	2.3	N/A	N/A	N/A
13.30	12.62	13.98	11.34	16.33
10.69	10.23	12.32	11.33	10.53
5.06	7.27	6.59	7.04	6.55
0.770	0.780	0.971	0.132	0.330
0.500	0.507	0.480	0.086	0.215
0.38	0.38	0.63	0.06	0.16
ND	24	41	13	ND
200	200	250	25	83
ND	8	26	11	23
ND	0.3	0.8	0.5	2.9
0.15	ND	0.07	0.47	0.07
0.15	ND	0.07	0.47	0.07
ND	ND	ND	ND	ND
ND	0.06	ND	ND	ND
ND	2.7	3.6	2.6	3.1
ND	ND	0.01	ND	ND
4.93	7.41	7.45	7.26	6.54
ND	0.019	0.013	0.06	0.075
3.6	ND	0.9	0.9	0.7
ND	ND	8	5	12
40	19	32	5	16
0.4	0.7	4.6	1.6	6.9
770	770	980	130	320
6.45	6.55	8.46	1.11	2.66
ND	24	41	13	ND
387	390	495	69	164
ND	ND	ND	ND	ND
6.42	6.95	8.5	1.27	2.9
49	56	89	25	28
0.23	2.96	0.24	6.72	4.32
NC	-1.39	-0.905	-2.06	NC

NC		-1.64	-1.15	-2.31	NC
NC		8.8	8.36	9.32	NC
NC		9.05	8.6	9.57	NC
700		18	70	76	340
ND	ND				
ND	ND		2		
37		26	57	11	15
ND	ND				
ND	ND				
7		9	26	8	9
ND	ND				
16		19	32	7.9	8.6
ND	ND				
5	ND				
ND	ND				
180		93	350	360	620
1.3	ND		1.1		1.2
2.2		2.4	2.5	1.4	1.5
150		110	74	84	130
ND	ND		2		
12	ND				2
ND	ND				
1.4		1.9	2.9	1	1.4
ND	ND				
ND	ND				
120		130	150	17	53
76		61	150	31	35
ND	ND				
ND	ND				
ND	ND		3		6
ND	ND		0.2		
ND	ND		8		
42	ND		11	5	10
1	ND		2	5	90
ND		56	--	2	--
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0.06		0.54	49.86	1.08	16.06
0.06		0.73	48.03	1.14	19.17

DUCK LAKE	FENERTY LAKE	FIRST CHAIN LAKE	FIRST LAKE	FLETCHERS LAKE
Beaverbank	Beaverbank	Halifax	Lower Sackville	Fall River
27/05/2008 9:00	05/06/2008 11:30	26/05/2008 8:30	27/05/2008 14:00	04/06/2008 9:10
1.5	1.9	N/A	6.0	2.5
14.44	17.69	13.11	13.37	16.68
10.79	10.72	10.89	11.47	10.67
6.58	6.56	4.70	7.32	6.42
0.559	0.070	0.518	0.577	0.171
0.363	0.045	0.337	0.375	0.111
0.27	0.03	0.25	0.28	0.08
20	ND	ND	25	8
150	15	140	150	39
19	43	ND	7	20
0.4	0.3	ND	0.3	0.3
ND	0.06	ND	0.17	0.16
ND	0.06	ND	0.17	0.16
ND	ND	ND	ND	ND
0.05	ND	ND	ND	ND
3.3	4.4	0.9	2	3.7
ND	ND	ND	ND	ND
7.36	6.35	4.76	7.68	7.15
0.03	0.015	0.005	0.009	0.007
ND	0.6	2.4	1.4	2.1
5	3	ND	ND	ND
14	6	17	18	8
3.2	0.8	0.2	0.6	1
560	70	520	580	170
4.86	0.54	4.39	5.17	1.45
20	ND	ND	25	8
279	34	257	299	88
ND	ND	ND	ND	ND
4.72	0.6	4.21	5.04	1.49
43	9	22	51	20
1.46	5.26	2.09	1.27	1.36
-1.62	NC	NC	-1.11	-2.46

-1.87	NC	NC	-1.36	-2.72
8.98	NC	NC	8.79	9.61
9.23	NC	NC	9.04	9.87
45	130	890	21	63
ND	ND	ND	ND	ND
ND	ND	ND	ND	2
22	7	31	29	14
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
7	5	ND	7	6
ND	ND	ND	ND	ND
14	2.6	6.7	17	6.4
ND	ND	ND	ND	ND
ND	ND	2	ND	ND
ND	ND	ND	ND	ND
350	160	62	ND	93
ND	ND	0.7	ND	ND
1.9	0.7	1.2	2	0.9
180	56	99	31	41
ND	ND	ND	ND	ND
ND	ND	5	ND	ND
ND	ND	ND	ND	ND
1.5	0.6	0.7	1.7	1.1
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
88	8.9	86	91	24
46	11	39	50	24
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
7	7	28	6	7
45	3	ND	ND	37
240.00	ND	--	13	17
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12.82	9.37	0.41	1.83	4.28
12.63	9.25	0.37	1.87	4.39

FRENCHMAN LAKE	FROG POND	GOVERNOR'S LAKE	GRAND LAKE	HALF MILE LAKE
Burnside	Halifax	Timberlea	Enfield	Timberlea
14/05/2008 12:10	26/05/2008 10:35	29/05/2008 10:35	04/06/2008 10:15	29/05/2008 11:40
N/A	5.2	2.4	4.3	1.1
11.91	14.72	13.41	13.25	15.57
11.48	10.24	10.87	11.74	11.15
6.74	7.05	6.07	6.55	6.51
0.781	0.693	0.753	0.099	0.544
0.508	0.450	0.489	0.064	0.354
0.39	0.34	0.37	0.05	0.27
5	19	ND	ND	7
220	180	210	20	150
20	26	25	24	49
0.4	0.3	ND	0.1	0.3
ND	0.08	0.24	0.11	0.06
ND	0.08	0.24	0.11	0.06
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
3.2	3.1	3	3.5	4.2
ND	ND	ND	ND	ND
6.82	7.29	6.37	6.85	6.89
0.07	0.01	0.013	ND	0.024
ND	0.7	3.1	1.9	2
2	1	2	ND	6
22	26	21	9	13
1	0.3	1.5	0.3	4.7
770	700	760	100	550
6.65	6.01	6.36	0.76	4.68
5	19	ND	ND	7
396	347	380	50	281
ND	ND	ND	ND	ND
6.86	5.75	6.46	0.87	4.92
46	51	46	15	33
1.55	2.21	0.78	6.75	2.5
-2.71	-1.62	NC	NC	-2.67

-2.96	-1.87	NC	NC	-2.92
9.53	8.91	NC	NC	9.56
9.78	9.16	NC	NC	9.81
49	57	190	67	270
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
21	24	49	10	42
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	13	9	6	7
ND	ND	ND	ND	ND
2.4	18	15	4.9	10
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
85	97	170	64	420
ND	ND	ND	ND	0.9
1	1.8	2	0.7	1.8
31	38	110	13	120
ND	ND	ND	ND	ND
ND	ND	3	ND	ND
nd	ND	ND	ND	ND
0.9	1.7	1.5	0.7	1.6
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
6	110	130	12	96
64	72	70	21	44
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	5
ND	ND	0.2	ND	0.6
3	ND	ND	ND	ND
7	8	42	7	14
18	4	4	2	6
21	8	5	--	ND
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4.44	0.73	1.07	1.63	4.10
4.50	0.77	1.04	1.65	4.71

HUBLEY BIG LAKE	KEARNEY LAKE	KIDSTON LAKE	KINSAC LAKE	LAKE BANOOK
Hubley	Bedford	Spryfield	Fall River	Dartmouth
03/06/2008 9:55	21/05/2008 11:15	26/05/2008 14:25	04/06/2008 11:30	02/05/2008 10:00
2.1	3.6	N/A	2.8	3.8
15.86	12.18	15.06	15.74	9.84
10.44	10.83	10.92	10.65	11.62
4.78	7.07	5.96	6.48	6.61
0.071	0.301	0.046	0.096	0.781
0.046	0.196	0.030	0.063	0.507
0.03	0.14	0.02	0.05	0.38
ND	ND	7	ND	22
18	78	6	22	210
59	14	70	35	ND
ND	ND	0.2	0.2	0.2
ND	0.18	ND	0.06	0.3
ND	0.18	ND	0.06	
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
4.6	3	7	3.9	1.9
ND	ND	ND	ND	ND
5.19	6.76	6.87	6.75	7.6
0.008	0.009	0.01	0.01	0.03
0.6	2.5	ND	1.6	1.1
ND	1	ND	1	ND
ND	13	2	5	25
0.5	0.7	0.6	0.8	0.6
72	300	47	97	790
0.51	2.46	0.36	0.72	6.85
ND	ND	7	ND	22
33	149	22	48	417
ND	ND	ND	ND	ND
0.63	2.48	0.43	0.88	7.52
6	24	12	13	68
10.5	0.4	8.86	10	4.66
NC	NC	-2.97	NC	-1.17

NC	NC	-3.23	NC	-1.41
NC	NC	9.84	NC	8.77
NC	NC	10.1	NC	9.01
180	200	190	110	16
ND	ND	ND	ND	ND
ND	ND	ND	ND	3
11	18	ND	13	21
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	7	14
ND	ND	ND	ND	ND
1.5	7.5	3.8	3.8	22
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
140	72	160	130	ND
ND	ND	0.5	ND	ND
0.5	1.2	0.6	0.8	3.2
24	76	4	30	87
ND	ND	ND	ND	ND
ND	5	ND	ND	ND
ND	ND	ND	ND	ND
0.6	0.8	0.6	0.8	2.4
	ND	ND	ND	ND
	ND	ND	ND	ND
11	46	3.8	14	140
8	38	15	13	90
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
0.2	ND	ND	ND	ND
ND	ND	ND	ND	ND
11	25	6	7	10
ND	ND	ND	3	ND
1	1	2	--	ND
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1.17	0.63	0.99	3.41	0.84
1.28	0.65	1.01	3.50	0.78

LAKE CHARLES	LAKE ECHO	LAKE MICMAC	LAKE THOMAS NORTH BASIN	LAKE THOMAS SOUTH BASIN
Dartmouth	Eastern Shore	Dartmouth	Waverley	Waverley
07/05/2008 13:05	30/05/2008 9:25	02/05/2008 10:15	23/05/2008 10:35	23/05/2008 10:10
4.0	1.9	4.5	3.1	3.0
13.22	14.93	9.31	12.25	11.79
11.68	10.54	11.67	11.09	11.27
7.28	4.60	6.91	6.88	6.80
0.268	0.041	0.837	0.175	0.184
0.174	0.027	0.544	0.114	0.120
0.13	0.02	0.41	0.11	0.09
13	ND	23	10	11
61	7	220	39	41
7	73	ND	18	15
ND	0.3	0.2	ND	0.4
0.43	0.11	0.3	0.22	0.21
0.43	0.11	0.3	0.22	0.21
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
2.2	4.9	2.1	3.1	2.8
ND	ND	ND	ND	ND
7.33	5.33	7.56	7.13	7.26
0.005	0.004	ND	0.012	0.01
2.8	1.4	1.1	1.9	2.2
ND	ND	ND	ND	1
12	4	25	8	8
0.3	0.6	0.2	0.6	0.4
260	42	830	170	180
2.26	0.28	7.2	1.48	1.56
13	ND	23	10	11
138	20	422	90	96
ND	ND	ND	ND	ND
2.38	0.34	7.21	1.56	1.67
35	6	64	20	23
2.59	9.68	0.07	2.63	3.41
-1.84	NC	-1.18	-2.4	-2.15

-2.09	NC	-1.43	-2.65	-2.4
9.17	NC	8.74	9.53	9.41
9.42	NC	8.99	9.78	9.66
28	230	19	45	31
ND	ND	ND	ND	ND
12	ND	3	3	4
10	ND	19	11	11
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
10	ND	8	6	7
ND	ND	ND	ND	ND
12	1.7	22	6.7	7.7
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	150	ND	70	56
ND	ND	ND	ND	ND
1.4	0.4	2.2	0.9	1
39	46	71	38	20
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
1.5	0.4	2	1.2	1.4
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
38	4.6	130	26	27
39	7	87	25	28
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
0.1	ND	0.1	ND	ND
ND	ND	ND	ND	ND
ND	7	6	5	6
ND	1	ND	9	1
2	6	--	1	--
--	--	--	--	--
1.25	1.92	0.50	1.73	1.37
1.31	2.04	0.47	1.78	1.42

LAKE WILLIAM	LISLE LAKE	LITTLE ALBRO LAKE	LONG LAKE	LONG POND
Waverley	Sackville	Dartmouth	Mainland South	Herring Cove
23/05/2008 9:15	28/05/2008 10:30	06/05/2008 14:04	29/05/2008 8:25	26/05/2008 13:10
3.3	N/A	N/A	2.2	1.5
11.35	13.70	14.70	12.50	12.79
11.33	12.65	10.86	11.03	10.62
6.60	6.76	7.07	5.81	5.30
0.179	0.150	0.520	0.374	0.106
0.116	0.098	0.338	0.243	0.069
0.09	0.07	0.25	0.18	0.05
11	19	11	ND	ND
39	30	140	100	26
17	44	5	53	120
ND	0.5	0.1	0.2	0.2
0.22	ND	ND	0.14	ND
0.22	ND	ND	0.14	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
3.1	3.6	2.4	5.3	8.5
ND	ND	ND	ND	ND
7.26	7.06	7.1	5.98	5.64
0.008	0.031	0.006	0.005	0.006
2.3	1.4	ND	3	1.9
ND	5	2	2	ND
8	9	13	11	2
0.4	12	2.2	0.7	0.5
180	150	510	380	110
1.51	1.4	4.38	3.17	0.79
11	19	11	ND	ND
93	83	263	192	51
ND	ND	ND	ND	ND
1.6	1.46	4.66	3.26	0.93
23	25	35	23	10
2.89	2.1	3.1	1.4	8.14
-2.19	-2.13	-2.19	NC	NC

-2.44	-2.38	-2.44	NC	NC
9.45	9.19	9.29	NC	NC
9.7	9.44	9.54	NC	NC
39	510	27	210	300
ND	ND	ND	ND	ND
3	ND	ND	ND	ND
10	15	11	17	7
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
8	7	5	5	5
ND	ND	ND	ND	ND
7.4	7.5	12	7.1	2.7
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	10	ND	ND
ND	710	93	140	240
ND	ND	ND	ND	0.7
1	1.5	1.2	1.2	0.8
16	71	39	48	17
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
1.4	0.9	1.2	0.9	0.7
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
26	21	90	64	16
27	26	49	31	16
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	15	ND	ND	3
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
8	11	ND	16	10
1	34	6	3	2
5	--	--	--	--
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1.16	9.51	2.11	0.54	0.30
1.21	10.38	2.39	0.55	0.36

LOON LAKE	LOVETT LAKE	MAYNARD LAKE	McCABE LAKE	MCINTOSH RUN at Mouth
Dartmouth	Lakeside	Dartmouth	Lucasville	Herring Cove
06/05/2008 13:09	21/05/2008 12:35	06/05/2008 9:45	03/06/2008 13:25	26/05/2008 12:30
4.0	N/A	2.6	2.3	N/A
12.38	11.83	12.59	15.73	13.50
11.74	10.66	11.34	10.55	10.83
7.34	6.40	7.03	5.74	5.70
0.395	1.268	0.369	0.069	0.185
0.257	0.825	0.240	0.045	0.120
0.19	0.64	0.18	0.03	0.09
12	ND	17	ND	ND
92	340	85	16	46
6	ND	ND	50	100
ND	ND	0.4	0.1	0.2
0.1	0.27	ND	0.09	0.37
0.1	0.27	ND	0.09	0.37
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
3.1	2	2.4	5.5	8.3
ND	ND	ND	ND	ND
7.34	6.16	7.37	6.33	5.64
0.006	0.008	0.006	0.009	0.004
1.1	3.3	ND	1.9	1.9
ND	3	1	2	ND
12	40	12	3	6
0.5	2.5	0.6	0.7	0.8
390	1300	360	70	180
3.12	10.6	3	0.52	1.44
12	ND	17	ND	ND
190	626	181	35	89
ND	ND	ND	ND	ND
3.39	10.6	3.29	0.62	1.53
32	79	38	9	14
4.15	0.14	4.61	8.77	3.03
-1.93	NC	-1.68	NC	NC

-2.18	NC		-1.93	NC	NC
9.27	NC		9.05	NC	NC
9.52	NC		9.3	NC	NC
29	360	ND	150	330	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
12	72	16	6	10	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
8	8	8	7	6	
ND	ND	ND	ND	ND	
10	26	12	2.4	4	
ND	ND	ND	ND	ND	
ND	2	ND	ND	ND	
ND	2	3	ND	ND	
57	120	ND	170	260	
ND	ND	ND	ND	0.6	
1.5	3.4	1.6	0.7	0.8	
61	150	40	45	23	
ND	ND	ND	ND	ND	
ND	6	ND	ND	ND	
ND	ND	ND	ND	ND	
1.5	2.1	1.4	0.7	0.8	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
62	210	57	9.8	28	
36	120	41	12	20	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	3	ND	ND	2	
ND	0.3	ND	ND	0.2	
ND	ND	ND	ND	ND	
ND	65	8	13	12	
2	2	24	3	9	
22	--	14	--	--	
--	--	--	--	--	
4.52	1.00	3.88	2.94	0.95	
4.65	1.04	4.12	3.02	1.06	

MCINTOSH RUN at Roaches Pond	MOODY LAKE	MORRIS LAKE (North Basin)	MORRIS LAKE (South Basin)	NINE MILE RIVER AT HWY 103
Roaches Pond	Williamswood	Dartmouth	Dartmouth	Timberlea
26/05/2008 13:50	03/06/2008 8:10	02/06/2008 9:10	02/06/2008 10:55	03/06/2008 9:15
N/A	1.1	2.8	5.4	N/A
12.62	15.66	14.94	14.97	15.10
10.70	10.26	11.05	11.00	9.92
5.40	5.92	7.24	7.36	5.74
0.261	0.058	0.412	0.421	0.177
0.172	0.038	0.268	0.273	0.115
0.13	0.03	0.20	0.20	0.08
ND	ND	16	16	ND
73	12	110	110	46
83	110	18	13	65
0.4	0.2	ND	ND	0.2
0.42	ND	0.16	0.16	0.15
0.42	ND	0.16	0.16	0.15
ND	ND	ND	ND	ND
0.09	ND	ND	ND	0.08
7.5	8.7	2.8	2.5	6.2
ND	ND	ND	ND	ND
5.71	5.5	7.39	7.4	6.13
0.013	0.009	0.008	0.007	0.02
2.4	0.8	1.1	1	1.8
ND	ND	ND	ND	2
11	4	15	15	11
0.7	1.4	1.6	0.6	0.6
280	58	410	420	180
2.31	0.41	3.68	3.69	1.55
ND	ND	16	16	ND
138	27	216	217	95
ND	ND	ND	ND	ND
2.25	0.51	3.67	3.69	1.58
18	8	37	36	15
1.32	10.9	0.14	0	0.96
NC	NC	-1.7	-1.71	NC

NC	NC	-1.95	-1.96	NC
NC	NC	9.09	9.11	NC
NC	NC	9.34	9.36	NC
270	340	78	39	230
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
15	ND	15	14	18
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
6	9	7	6	6
ND	ND	ND	ND	ND
5.5	2.2	12	12	4.5
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
220	260	120	57	160
0.6	0.7	ND	ND	0.5
1	0.6	1.5	1.5	0.8
38	22	100	68	40
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
0.8	0.6	1.5	1.5	1.1
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
43	7.4	66	67	29
27	10	43	42	19
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
3	5	ND	ND	ND
0.1	0.2	ND	ND	0.2
ND	ND	ND	ND	ND
15	9	7	7	16
11	4	19	ND	25
--	5	--	7	--
--	--	--	--	--
0.97	0.54	0.84	0.60	2.17
1.06	0.60	0.79	0.58	2.59

NINE MILE RIVER AT MOUTH	OATHILL LAKE	PAPER MILL LAKE	PENHORN LAKE	POWDER MILL LAKE
Shad Bay	Dartmouth	Bedford	Dartmouth	Waverley
03/06/2008 12:50	06/05/2008 10:12	28/05/2008 13:30	06/05/2008 10:31	28/05/2008 12:45
Sampled at mid-falling tide				
N/A	2.0	N/A	4.6	3.5
16.65	13.37	15.15	12.67	14.35
10.80	12.36	10.70	11.65	11.30
5.16	7.73	6.98	7.52	6.86
0.215	0.686	0.296	0.781	0.220
0.139	0.446	0.193	0.508	0.143
0.10	0.34	0.14	0.39	0.11
ND	28	ND	24	16
57	170	77	200	50
120	8	18	ND	10
0.2	0.3	0.2	ND	0.4
0.08	0.49	0.18	ND	0.1
0.08	0.49	0.18	ND	0.1
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
8.7	2.4	2.5	2	2.5
ND	ND	ND	ND	ND
5.48	7.7	6.64	7.56	7.5
0.021	0.019	0.009	0.006	0.012
2.3	0.6	2.3	ND	0.7
2	4	1	1	2
8	23	12	18	9
0.9	1.3	0.8	0.5	0.7
210	670	290	770	220
1.78	5.89	2.41	6.61	1.93
ND	28	ND	24	15
109	351	148	395	113
ND	ND	ND	ND	ND
1.88	6.22	2.56	7.07	1.94
18	68	24	58	29
2.73	2.73	3.02	3.36	0.26
NC	-0.929	NC	-1.2	-1.67

NC		-1.18	NC		-1.45		-1.92
NC		8.63	NC		8.76		9.17
NC		8.88	NC		9.01		9.42
	280	17		180	13		16
ND	ND		ND		ND		
ND	ND		ND		ND		2
	11	32		21	28		14
ND	ND		ND		ND		ND
ND	ND		ND		ND		ND
	13	10	ND		6		7
ND	ND		ND		ND		ND
	3.2	23		7.5	20		9.7
ND	ND		ND		ND		ND
ND	ND		ND		ND		ND
ND	ND		ND		ND		ND
	210	ND		93	ND		ND
	0.5	ND	ND		ND		ND
	2.4	2.8		1.2	1.8		1.2
	25	39		63	75		25
ND	ND		ND		ND		ND
ND	ND			4	ND		ND
ND	ND		ND		ND		ND
	1.4	2.2		0.9	1.2		1.7
ND	ND		ND		ND		ND
ND	ND		ND		ND		ND
	34	110		47	140		30
	23	70		37	60		34
ND	ND		ND		ND		ND
ND	ND		ND		ND		ND
	2	ND	ND		ND		ND
	0.2	ND	ND		ND		ND
ND	ND		ND		ND		ND
	12	8		18	7		6
	2	14		4	2		1
--		22	--		9	ND	
--		--	--		--		--
	6.60	17.96		1.11	2.06		5.62
	7.08	18.06		1.03	2.13		5.59

RED BRIDGE POND	ROCKY LAKE	RUSSELL LAKE	SACKVILLE RIVER at Hwy 102 (Bacteria only)	SACKVILLE RIVER at Mouth
Dartmouth	Bedford	Dartmouth	Below Hwy 102	Below Fish Hatchery PS
02/06/2008 12:10	05/06/2008 13:35	12/06/2008 0:00	27/05/2008 7:45	27/05/2008 7:45
1.0	3.0	--	--	N/A
16.87	17.50	18.3	--	12.67
11.12	11.32	9.6	--	10.92
7.60	7.46	7.7	--	6.19
0.397	0.420	1701.0	--	0.124
0.258	0.273	--	--	0.081
0.19	0.20	--	--	0.06
24	28	22	--	ND
95	92	250	--	29
25	17	11	--	33
0.3	0.5	--	--	0.3
0.13	0.24	ND	--	0.13
0.13	0.24	--	--	0.13
ND	ND	--	--	ND
ND	0.08	ND	--	ND
2.9	2.4	2.2	--	4.5
ND	ND	ND	--	ND
7.45	7.7	7.6	--	6.79
0.017	0.018	12	--	0.012
ND	0.7	0.8	--	1.8
3	2	2	--	3
17	17	24	--	7
2.4	0.6	1	--	1.2
400	420	910	--	130
3.52	3.52	--	--	0.98
24	28	--	--	ND
208	209	462	--	61
ND	ND	--	--	ND
3.67	3.67	--	--	1.04
42	54	62	--	13
2.09	2.09	--	--	2.97
-1.4	-0.967	--	--	NC

-1.65	-1.22	--	--	NC
8.85	8.67	--	--	NC
9.1	8.92	--	--	NC
81	18	--	--	140
ND	ND	--	--	ND
ND	ND	--	--	ND
12	19	--	--	11
ND	ND	--	--	ND
ND	ND	--	--	ND
9	8	--	--	ND
ND	ND	--	--	ND
14	19	21	--	17
ND	ND	--	--	ND
ND	ND	--	--	ND
3	ND	--	--	ND
440	ND	--	--	250
1.3	ND	--	--	ND
1.4	1.6	2.2	--	2
93	78	--	--	66
ND	ND	--	--	ND
ND	ND	--	--	ND
ND	ND	--	--	ND
1	4.5	2.3	--	1.7
ND	ND	--	--	ND
ND	ND	--	--	ND
64	57	150	--	91
49	65	--	--	18
ND	ND	--	--	ND
ND	ND	--	--	ND
3	ND	--	--	ND
ND	0.1	--	--	ND
ND	ND	--	--	ND
13	ND	--	--	11
130	ND	8	--	23
--	--	160	35	--
2300	--	22	--	--
4.04	9.58	1.71	--	1.54
4.31	9.37	--	--	1.68

SANDY LAKE BEDFORD	SANDY LAKE GLEN ARBOUR	SECOND LAKE	SETTLE LAKE	SHELDRAKE LAKE
Bedford	Glen Arbour	Middle Sackville	Dartmouth	Hubley
28/05/2008 14:25	03/06/2008 14:20	04/06/2008 13:25	06/05/2008 11:22	29/05/2008 13:35
3.8	N/A	3.7	2.0	2.1
13.88	17.03	17.52	12.75	15.75
10.96	10.39	10.64	12.51	10.62
6.61	6.03	6.71	7.58	4.85
0.193	0.052	0.173	0.718	0.291
0.126	0.034	0.112	0.466	0.189
0.09	0.02	0.08	0.35	0.14
ND	6	9	24	ND
50	8	42	190	80
24	15	18	10	50
0.3	ND	0.2	0.4	0.1
0.16	ND	ND	ND	ND
0.16	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
3.4	3.1	3.4	4	4.7
ND	ND	ND	ND	ND
6.55	6.83	7.2	7.55	5.02
0.012	0.017	0.007	0.015	0.016
2.4	2	1.4	ND	0.9
ND	ND	ND	3	2
9	3	6	19	7
0.7	0.9	0.7	1.8	1
200	51	170	710	290
1.6	0.41	1.46	6.11	2.39
ND	6	9	24	ND
100	26	88	366	142
ND	ND	ND	ND	ND
1.73	0.45	1.53	6.57	2.46
17	10	19	58	23
3.9	4.65	2.34	3.63	1.44
NC	-3.28	-2.42	-1.22	NC

NC		-3.54	-2.67	-1.47	NC
NC		10.1	9.62	8.77	NC
NC		10.4	9.87	9.02	NC
	120	34	41	22	240
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
	19	ND	12	22	46
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
	6	6	6	9	6
ND	ND	ND	ND	ND	0.4
	5.1	2.7	6.1	19	6.4
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	2	ND	ND	
	200	82	100	67	210
ND	ND	ND	ND	ND	0.5
	1	0.8	1	2.5	1.7
	95	49	12	99	150
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
	1.1	1.1	1	2	1.1
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
	31	5.1	26	120	45
	23	12	20	57	36
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	
ND	ND	ND	ND	ND	0.2
ND	ND	ND	ND	ND	
	12	7	6	9	27
ND	ND	ND	1	4	
ND	--		2	3	4
	--	--	--	--	--
	1.16	0.36	1.25	11.83	2.46
	1.07	0.36	1.25	12.07	2.67

SMELT BROOK	SPRINGFIELD LAKE	STILLWATER LAKE	THE MILL POND (THREE MILE POND)	THIRD LAKE
Dartmouth	Middle Sackville	Upper Tantallon	Timberlea	Windsor Junction
14/05/2008 10:00	28/05/2008 9:50	29/05/2008 14:20	21/05/2008 13:45	04/06/2008 12:20
N/A	2.9	3.2	N/A	N/A
7.15	14.26	13.93	11.09	17.88
11.19	10.63	10.91	11.08	11.26
6.79	7.09	5.24	5.54	6.68
0.170	0.116	0.068	0.083	0.133
0.111	0.075	0.045	0.054	0.087
0.08	0.05	0.03	0.04	0.06
13	ND	ND	ND	11
29	26	17	20	29
62	10	36	36	15
0.5	0.3	0.1	0.2	0.2
0.32	ND	0.1	0.1	ND
0.32	ND	0.1	0.1	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
8.4	2.3	3.7	6.1	3.3
ND	ND	ND	ND	ND
6.91	6.84	5.61	5.93	7.31
0.08	0.017	0.011	0.01	0.008
2.8	1	2	2.4	1
ND	ND	ND	1	2
17	9	3	2	6
0.6	1.2	0.9	1	0.8
170	120	71	83	130
1.47	0.9	0.55	0.63	1.16
13	ND	ND	ND	11
94	58	36	41	69
ND	ND	ND	ND	ND
1.66	1.03	0.61	0.71	1.2
38	18	7	8	20
6.07	6.74	5.17	5.97	1.69
-2.24	NC	NC	NC	-2.18

-2.49	NC	NC	NC	-2.43
9.15	NC	NC	NC	9.49
9.4	NC	NC	NC	9.74
210	57	170	210	28
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
11	9	8	13	13
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
9	7	6	5	8
ND	ND	ND	ND	ND
12	5.4	1.7	2.3	6.2
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
270	89	140	160	ND
ND	ND	ND	ND	ND
2	1.1	0.6	0.6	1
39	23	33	31	26
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
1.4	1	0.5	0.8	1.1
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
20	15	10	12	18
42	20	10	12	21
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
2	ND	ND	ND	ND
ND	ND	ND	0.2	ND
ND	ND	ND	ND	ND
ND	ND	10	9	6
4	1	ND	23	4
--	20	--	--	4
--	--	--	--	--
0.26	3.01	0.99	1.90	6.15
0.26	3.21	0.99	2.07	6.33

TUCKER LAKE	UPPER PORTERS LAKE	WHIMSICAL LAKE	WHYNDER (WINDER) LAKE	WILLIAMS LAKE
Beaverbank	Porters Lake	Mainland South	North Preston	Halifax
27/05/2008 12:40	30/05/2008 8:20	26/05/2008 10:55	30/05/2008 10:45	26/05/2008 11:25
2.4	2.1	1.7	0.9	3.6
14.11	13.14	14.10	15.60	13.39
11.20	10.99	11.50	15.44	11.15
7.05	5.32	7.06	9.49	6.86
0.208	0.468	0.766	0.236	0.314
0.135	0.304	0.498	0.153	0.205
0.10	0.23	0.38	0.11	0.15
16	ND	22	14	ND
46	130	200	47	79
18	84	15	34	12
0.3	ND	0.4	1.4	0.2
ND	ND	0.2	0.62	0.15
ND	ND	0.2	0.59	0.15
ND	ND	ND	0.03	ND
ND	ND	ND	ND	ND
2.7	6.3	3.2	5.5	2.4
ND	ND	ND	ND	ND
7.47	5.74	7.37	7.34	6.35
0.003	0.007	0.014	0.11	ND
1.1	2.1	ND	2.1	1.8
1	ND	4	10	1
9	18	35	16	17
1.3	0.5	1.4	2.6	0.5
210	470	770	230	320
1.8	3.95	6.71	1.98	2.59
16	ND	22	14	ND
106	236	389	123	155
ND	ND	ND	ND	ND
1.82	4.16	6.41	2.1	2.54
29	42	62	26	23
0.55	2.59	2.29	2.94	0.97
-1.7	NC	-1.41	-1.93	NC

-1.95	NC	-1.66	-2.18	NC
9.17	NC	8.78	9.27	NC
9.42	NC	9.03	9.52	NC
39	230	96	80	94
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
17	6	29	10	16
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
8	31	15	38	6
ND	ND	ND	ND	ND
9.4	3.4	21	8.7	7.3
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	4	ND
68	190	81	88	ND
ND	ND	ND	ND	ND
1.4	8.3	2.2	1.1	1.2
26	38	66	99	38
ND	ND	ND	ND	ND
ND	ND	3	ND	4
ND	ND	ND	0.1	ND
1.4	2.8	2	3	1
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
28	74	120	34	47
32	50	92	37	39
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND
ND	ND	0.1	ND	ND
ND	ND	ND	ND	ND
7	8	11	12	30
4	ND	2	ND	1
10	--	2	2	4
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4.23	0.54	12.04	113.24	3.12
4.36	0.53	11.26	120.78	3.17