

	A	B	C	D	E
1	WATER QUALITY ANALYSES				
2	HRM LAKE SAMPLING PROGRAM				
3	See NOTES below				LAKES
4	Summer, 2007	Units	RDL	CCME Guideline Level	ALBRO LAKE
5	Community				Dartmouth
6	Sampling Date & Time	D/M/Y 24hr time			8/15/2007 10:03
7	FIELD DATA				
8	Secchi Depth	Meters	N/A		4.0
9	Temp	Celsius	N/A		21.57
10	Dissolved Oxygen	mg/L	0.2	6-9.5	8.44
11	pH	pH	N/A	6.5-9.0	7.13
12	Specific Conductance	mS/cm	0.001		0.712
13	TDS	g/L	0.01		0.463
14	Salinity	ppt	0.01		0.35
15	INORGANICS				
16	Colour	TCU	5		ND
17	Total Phosphorus (1 M depth)	mg/L			0.011
18	Total Phosphorus (Deep if stratified)	mg/L	0.002		0.011
19	Total Suspended Solids	mg/L	1		ND
20	Turbidity	NTU	0.1		0.5
21	MICROBIOLOGICAL				
22	Fecal coliform Lake	MPN/100m	1	200	210
23	Fecal coliform Outlet	MPN/100m	1	200	860
24	Chlorophyll A - Acidification method	ug/L	N/A		1.69
25	Chlorophyll A - Welschmeyer method	ug/L	N/A		1.66
26					
27	Notes:				
28	--	Not Analysed			Russell Lake - sampled by JWL for Clayton
29	ND	Not Detected			Morris Lake - sampled by JWL for HRM
30	N/A	Not Applicable			
31	MPN	Most Probable Number			
32	RDL	Reportable Detection Limit			CCME Canadian Council of Ministers of Env
33	ug	Micrograms			Dissolved Oxygen Guideline: lowest accepta
34	mg	Milligrams			Fecal Coliform Guideline: for Contact Recre
35	L	Liter			Bacterial level of concern for swi
36					Bacterial level unsuitable for swi
37					
38					
39					
40					
41					
42					
43					
44					
45					

	F	G	H	I	J
1					
2					
3					
4	BARRETT LAKE	BELL LAKE	BISSETT LAKE	BLACK DUCK POND	CHOCOLATE LAKE
5	Beaverbank	Dartmouth	Cole Harbour	Lakeside	Mainland South
6	8/27/2007 11:52	8/9/2007 12:43	8/13/2007 10:39	8/24/2007 9:04	8/22/2007 9:30
7					
8	4.0	--	2.0	--	9.0
9	22.57	21.38	22.22	19.55	20.62
10	8.37	8.72	8.92	8.47	8.98
11	6.84	6.12	7.54	5.50	5.14
12	0.350	0.117	0.935	0.599	0.975
13	0.228	0.076	0.608	0.389	0.634
14	0.17	0.05	0.46	0.29	0.48
15					
16	15	ND	11	25	ND
17	0.012	0.017	0.011	0.003	ND
18	N/A	N/A	N/A	N/A	N/A
19	2	33	ND	3	ND
20	0.8	9.3	1.6	1.5	0.4
21					
22	32	>10,000	25	--	ND
23	520	--	310	18	2
24	1.14	17.93	12.24	3.77	0.6
25	1.02	17.63	12.44	3.2	0.53
26					
27					
28	Developments				
29					
30					
31					
32	Environment				
33	Soluble level depending on temperature and life stage (aquatic life)				
34	Dissolution				
35	Dissolving				
36	Dissolving				
37					
38					
39					
40					
41					
42					
43					
44					
45					

	K	L	M	N	O
1					
2					
3					
4	CRANBERRY LAKE	DENT'S PUNCH BOWL	DESAID LAKE	FIRST CHAIN LAKE	FIRST LAKE
5	Dartmouth	Cowie Hill	Dartmouth	Halifax	Middle Sackville
6	8/13/2007 13:06	8/21/2007 15:25	8/13/2007 9:51	8/22/2007 8:54	8/16/2007 14:49
7					
8	2.5	--	2.5	--	3.5
9	22.09	23.53	22.99	20.52	23.45
10	8.48	10.68	9.27	8.87	9.14
11	7.51	7.50	7.96	4.58	7.95
12	0.739	1.229	0.249	0.790	0.927
13	0.480	0.799	0.162	0.513	0.602
14	0.36	0.61	0.12	0.39	0.46
15					
16	11	14	13	ND	ND
17	0.01	0.026	0.023	ND	0.006
18	N/A	N/A	N/A	N/A	0.008
19	ND	7	3	ND	ND
20	0.7	4	2.5	ND	0.5
21					
22	46	48	40	--	53
23	560	--	250	2	110
24	4.61	124.14	39.83	0.32	3.76
25	4.42	105.45	36.36	0.27	3.28
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	P	Q	R	S	T
1					
2					
3					
4	FLETCHERS LAKE	FRENCHMAN LAKE	FROG POND	GOVERNOR'S LAKE	GRAND LAKE
5	Fall River	Burnside	Halifax	Timberlea	Enfield
6	8/15/2007 13:32	8/9/2007 13:15	8/21/2007 9:28	8/23/2007 15:42	8/15/2007 11:37
7					
8	2.5	--	2.0	3.0	4.0
9	23.41	19.75	18.74	20.76	22.30
10	8.13	8.33	6.80	9.06	8.89
11	6.75	6.57	6.91	6.18	6.69
12	0.283	0.635	0.709	0.839	0.204
13	0.183	0.413	0.461	0.545	0.132
14	0.13	0.31	0.35	0.41	0.10
15					
16	15	43	25	27	13
17	0.005	0.008	0.008	0.005	0.005
18	N/A	N/A	N/A	0.004	0.004
19	ND	2	1	3	ND
20	0.7	1.2	0.6	1.2	0.3
21					
22	130	>10,000	110	270	62
23	180	>10,000	52	200	80
24	2.45	3.93	0.77	7.36	3.83
25	2.22	3.94	0.83	6.76	3.6
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	U	V	W	X	Y
1					
2					
3					
4	HALF MILE LAKE	HUBLEY BIG LAKE	KEARNEY LAKE	KIDSTON LAKE	KINSAC LAKE
5	Timberlea	Hubley	Bedford	Spryfield	Fall River
6	8/23/2007 14:41	8/23/2007 12:31	8/27/2007 14:34	8/21/2007 11:46	8/16/2007 13:01
7					
8	1.0	2.0	4.5	--	3.0
9	21.19	21.54	21.97	19.20	22.64
10	7.73	8.60	8.73	8.63	8.34
11	5.90	4.51	6.36	6.07	6.39
12	0.452	0.126	0.443	0.102	0.167
13	0.295	0.082	0.288	0.067	0.108
14	0.22	0.06	0.21	0.05	0.08
15					
16	49	31	14	53	20
17	0.017	ND	0.009	0.011	0.008
18	N/A	N/A	0.008	--	N/A
19	4	1	ND	2	1
20	3.7	0.5	0.4	1.4	0.7
21					
22	860	1	15	180	80
23	490	6	14	81	--
24	10.73	2.84	0.78	3.38	4.76
25	10.72	2.63	0.8	2.9	4.66
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	Z	AA	AB	AC	AD
1					
2					
3					
4	LAKE BANOOK	LAKE CHARLES	LAKE ECHO	LAKE MICMAC	LAKE THOMAS NORH BASIN
5	Dartmouth	Dartmouth	Eastern Shore	Dartmouth	Waverley
6	8/14/2007 12:46	8/16/2007 9:32	8/13/2007 10:43	8/14/2007 13:06	8/16/2007 11:26
7					
8	4.0	6.0	2.0	4.5	4.0
9	22.34	21.91	21.11	22.11	22.77
10	7.73	8.62	7.84	7.92	8.08
11	7.34	7.29	4.82	7.45	6.72
12	1.038	0.462	0.086	0.956	0.301
13	0.675	0.301	0.056	0.622	0.196
14	0.51	0.22	0.04	0.47	0.14
15					
16	ND	5	40	ND	12
17	0.003	0.008	0.01	0.008	0.008
18	0.006	0.009	N/A	N/A	N/A
19	ND	ND	3	ND	ND
20	0.5	0.3	1.2	0.6	0.6
21					
22	170	55	82	39	130
23	320	220	170	N/A	350
24	2.66	1.02	21.04	2	1.83
25	2.35	0.87	18.55	1.82	1.68
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	AE	AF	AG	AH	AI
1					
2					
3					
4	LAKE THOMAS SOUTH BASIN	LAKE WILLIAM	LITTLE ALBRO LAKE	LONG LAKE	LONG POND
5	Waverley	Waverley	Dartmouth	Mainland South	Herring Cove
6	8/16/2007 11:45	8/16/2007 10:28	8/15/2007 9:40	8/21/2007 13:00	8/21/2007 10:29
7					
8	4.5	4.0	--	2.5	1.0
9	22.71	22.40	21.07	20.19	17.61
10	8.60	8.90	8.16	8.64	6.74
11	6.84	7.17	6.91	5.37	4.91
12	0.349	0.349	0.710	0.462	0.142
13	0.227	0.227	0.461	0.301	0.093
14	0.17	0.17	0.35	0.22	0.07
15					
16	10	11	7	41	120
17	0.008	0.007	0.007	0.005	0.014
18	0.008	0.01	N/A	0.004	0.079
19	ND	ND	2	ND	ND
20	0.4	0.5	0.5	0.4	0.9
21					
22	55	100	140	53	150
23	N/A	41	--	100	64
24	2.66	4.07	1.54	1.41	0.73
25	2.36	3.88	1.45	1.2	0.7
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	AJ	AK	AL	AM	AN
1					
2					
3					
4	LOON LAKE	LOVETT LAKE	MACINTOSH RUN	MACINTOSH RUN at Roaches Pond	MAYNARD LAKE
5	Dartmouth	Lakeside	Herring Cove	Roaches Pond	Dartmouth
6	8/13/2007 13:58	8/24/2007 8:43	8/21/2007 10:06	8/21/2007 11:19	8/14/2007 9:46
7					
8	4.0	--	--	--	4.5
9	22.36	20.09	18.24	17.41	22.26
10	8.54	8.52	8.59	8.54	8.26
11	7.62	6.32	5.24	5.15	7.26
12	0.559	0.763	0.223	0.341	0.665
13	0.363	0.496	0.147	0.224	0.432
14	0.27	0.37	0.11	0.17	0.32
15					
16	5	17	85	64	5
17	0.006	ND	0.01	0.01	0.006
18	N/A	N/A	N/A	N/A	0.01
19	1	2	1	1	1
20	0.6	1.2	1.1	0.5	0.5
21					
22	14	--	--	--	110
23	180	24	80	85	1500 (Beach)
24	2.38	4.03	1.25	0.64	3.83
25	2.16	3.5	1.19	0.6	3.94
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	AO	AP	AQ	AR	AS
1					
2					
3					
4	MORRIS LAKE (South Basin)	MORRIS LAKE (North Basin)	NINE MILE RIVER AT HWY 103	NINE MILE RIVER AT MOUTH	OATHILL LAKE
5	Dartmouth	Dartmouth	Timberlea	Shad Bay	Dartmouth
6	8/30/2007 10:40	8/30/2007 13:45	8/23/2007 10:13	8/28/2007 15:00	8/14/2007 10:30
7				tide	
8	2.5	2.0	--	--	4.0
9	22.40	22.80	19.21	23.28	21.51
10	9.13	9.63	7.76	9.12	7.28
11	7.87	8.09	5.78	4.98	7.09
12	0.283	0.289	0.250	0.394	0.803
13	0.184	0.188	0.162	0.256	0.522
14	--	--	0.12	0.19	0.39
15					
16	--	--	41	77	9
17	0.011	0.01	0.019	0.022	0.008
18	0.009	0.012	N/A	N/A	0.016
19	1	2	1	1	ND
20	0.7	1.3	0.8	0.9	0.4
21					
22	25	1600	N/A	N/A	98
23	300	N/A	630	220	300
24	5.6	8.56	4.08	3.94	3.21
25	5.27	8.15	3.79	4.09	3.11
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	AT	AU	AV	AW	AX
1					
2					
3					
4	PAPER MILL LAKE	PENHORN LAKE	POWDER MILL LAKE	RED BRIDGE POND	ROCKY LAKE (North Basin)
5	Bedford	Dartmouth	Waverley	Dartmouth	Bedford
6	8/22/2007 10:35	8/14/2007 11:14	8/27/2007 9:47	8/14/2007 13:53	8/27/2007 10:25
7					
8	3.0	3.0	4.5	1.0	--
9	19.29	22.08	22.64	20.39	21.89
10	8.86	8.04	8.69	2.87	8.94
11	6.01	7.30	7.00	6.54	7.46
12	0.434	1.040	0.428	0.583	0.626
13	0.283	0.676	0.278	0.378	0.406
14	0.21	0.51	0.21	0.28	0.30
15					
16	15	ND	7	24	8
17	0.004	0.004	0.009	0.067	0.008
18	N/A	0.012	0.01	N/A	--
19	ND	1	ND	6	ND
20	0.4	0.9	0.4	6.9	0.9
21					
22	66	240	33	1200	140
23	32	570	43	950	--
24	2.02	4.64	2.39	26.9	11.3
25	1.75	4.14	2.03	25.17	9.48
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	AY	AZ	BA	BB	BC
1					
2					
3					
4	RUSSELL LAKE	SACKVILLE RIVER at Hwy 102 (Bacteria only)	SACKVILLE RIVER at Mouth	SANDY LAKE GLEN ARBOUR	SETTLE LAKE
5	Dartmouth	Below Hwy 102	Below Fish Hatchery PS	Glen Arbour	Dartmouth
6	4/23/2007 0:00	5/23/2007 13:58	8/9/2007 13:45	8/24/2007 9:56	8/13/2007 11:45
7					
8			--	--	1.5
9			19.60	20.22	22.15
10			9.51	8.54	10.22
11	7.63		6.89	6.30	8.33
12	0.470		0.274	0.107	0.748
13	0.245		0.187	0.069	0.468
14			0.13	0.05	0.37
15					
16	8		29	7	19
17	0.014		0.011	0.003	0.024
18	--		N/A	N/A	N/A
19	1		6	ND	6
20	0.8		12	0.5	3.8
21					
22	300	N/A	N/A	72	140
23	3000	>10,000	>10,000	--	980
24	3.45		2.43	2.88	27.83
25	2.98		2.43	2.51	27.5
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	BD	BE	BF	BG	BH
1					
2					
3					
4	SHELDRAKE LAKE	SMELT BROOK	STILL WATER LAKE	SULLIVAN'S POND	THE MILL (THREE MILE) POND
5	Hubley	Dartmouth	Hubley	Dartmouth	Timberlea
6	8/23/2007 13:23	8/9/2007 11:30	8/23/2007 10:58	8/29/2007 10:29	8/23/2007 14:15
7					
8	1.0	--	2.5	--	--
9	20.41	15.30	20.34	22.45	20.54
10	7.98	6.87	8.51	7.68	8.42
11	4.66	5.82	5.13	7.14	4.96
12	0.246	0.240	0.107	0.994	0.147
13	0.160	0.156	0.070	0.646	0.096
14	0.12	0.11	0.05	0.49	0.07
15					
16	53	130	30	ND	44
17	0.018	0.014	0.006	0.023	0.008
18	--	N/A	0.003	N/A	N/A
19	3	3	2	3	1
20	1.6	2.3	0.4	1.2	0.7
21					
22	5	N/A	4	--	--
23	16	2900	5	3000	250
24	7.73	0.84	1.05	3.02	7.13
25	7.7	0.89	1.05	2.8	6.64
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

	BI	BJ	BK	BL	BM
1					
2					
3					
4	THIRD LAKE	TUCKER LAKE	UPPER PORTERS LAKE	WHIMSICAL LAKE	WHYNDER (WINDER) LAKE
5	Windsor Junction	Beaverbank	Porters Lake	Mainland South	North Preston
6	8/16/2007 13:47	8/27/2007 0:00	8/10/2007 9:43	8/21/2007 14:53	8/28/2007 9:29
7					
8	4.5	4.0	2.5	1.5	0.5
9	22.90	22.56	19.18	19.88	21.49
10	8.82	9.01	8.21	9.10	10.14
11	6.71	7.38	5.51	6.62	6.68
12	0.267	0.382	2.026	0.718	0.435
13	0.174	0.248	1.318	0.467	0.283
14	0.13	0.18	1.04	0.35	0.21
15					
16	9	10	40	12	21
17	0.006	0.009	ND	0.011	0.1
18	0.007	0.011	N/A	N/A	N/A
19	ND	1	1	3	8
20	0.4	0.5	0.4	1.5	2.5
21					
22	83	15	63	130	>10,000
23	170	210	N/A	220	--
24	2.83	3.28	1.88	12.67	29.02
25	2.54	2.79	1.78	10.8	28.71
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

