

**APPENDIX F**

**CRD ENVIRONMENTAL SERVICES DEPARTMENT  
OPERATIONS DIVISION, FECAL COLIFORM AND  
METALS DATA FOR BUCK, MAGIC AND MONEY LAKE,  
2004 - 2006**



**Table 1. CRD Environmental Services Operations and Local Services  
Fecal Coliform Analysis Results for Samples Collected from Buck and Magic Lake**

<b>DATE</b>	<b>Buck Lake (FC/100 mL)</b>	<b>Magic Lake (FC/100 mL)</b>
<b>2004</b>		
February 4, 2004	12	2
March 3, 2004	2	2
March 10, 2004	0	0
April 8, 2004	0	-
April 22, 2004	0	-
May 14, 2004	8	2
May 26, 2004	2	2
June 8, 2004	36	16
Jun 23, 2004	0	0
July 21, 2004	2	12
August 5, 2004	2	34
August 26, 2004	10	200
September 15, 2004	8	2
September 30, 2004	4	-
October 20, 2004	0	2
November 10, 2004	8	-
December 14, 2004	4	-
<b>2005</b>		
February 8, 2005	6	-
March 1, 2005	4	2
June 7, 2005	0	0
July 27, 2005	4	-
July 30, 2005	-	8
August 16, 2005	8	2
August 30, 2005	6	-
September 8, 2005	0	4
September 28, 2005	0	4
October 5, 2005	0	0
November 9, 2005	8	6
December 6, 2005	16	-
December 20, 2005	-	10
<b>2006</b>		
January 4, 2006	0	-
January 5, 2006	-	2
February 8, 2006	4	0
March 9, 2006	0	-
March 16, 2006	2	-
March 30, 2006	0	-
April 4, 2006	2	-
April 20, 2006	6	0
May 2, 2006	10	0
May 17, 2006	0	-
May 19, 2006	-	0
June 6, 2006	2	4
Jun 21, 2006	2	30
July 6, 2006	4	-
July 20, 2006	-	8
July 26, 2006	0	-
July 27, 2006	-	28

continued

Table 1 continued

DATE	Buck Lake (FC/100 mL)	Magic Lake (FC/100 mL)
August 9, 2006	10	6
August 29, 2006	0	6
September 12, 2006	0	2
October 10, 2006	4	12
October 24, 2006	8	0
November 7, 2006	26	32
November 17, 2006	6	8
December 14, 2006	6	4

Note: all sampling data is prior to water treatment

**Table 2. CRD Environmental Services Operations and Local Services Fecal Coliform Analysis Results for Samples Collected from Money Lake**

DATE	Money Lake (FC/100 mL)
<b>2004</b>	
February 16, 2004	0
March 25, 2004	0
April 21, 2004	0
May 4, 2004	0
May 19, 2004	0
June 3, 2004	0
July 15, 2004	2
July 29, 2004	2
August 11, 2004	0
August 25, 2004	0
September 16, 2004	0
October 5, 2004	2
November 17, 2004	0
December 15, 2004	0
<b>2005</b>	
January 18, 2006	0
February 14, 2006	4
March 29, 2006	0
April 11, 2006	0
June 22, 2006	6
July 20, 2006	0
August 23, 2006	0
September 7, 2006	0
November 16, 2006	4
December 18, 2006	6
<b>2006</b>	
January 18, 2006	4
February 14, 2006	2
March 29, 2006	2
April 11, 2006	8
May 9, 2006	4
June 14, 2006	0
July 31, 2006	0
August 14, 2006	2
August 31, 2006	0
September 18, 2006	0
October 17, 2006	0
December 18, 2006	0

Note: all sampling data is prior to water treatment

Client/Code

J.R.D. Pender Island  
 PO Dr 1000-524 Yates St.  
 Victoria, BC  
 V8W 2S6

Date 03Nov04 12:32p  
 Source FWS  
 Type of Sample water  
 No. of Samples 5

No. W61393

TEL: (250) 629-6611  
 FAX: (250) 629-6010  
 email group

Comments Arrival temp.: 11.0C  
 Attn: J. McFarland/M. McCallum

Samples: Buck Lake

- 1) 1 Meter 03Nov04 10:00 2) 2 Meters 03Nov04 10:00 3) 3 Meters 03Nov04 10:00  
 4) 4 Meters 03Nov04 10:00 5) 5 Meters 03Nov04 10:00

ELEMENTS		1 SAMPLE	2 SAMPLE	3 SAMPLE	4 SAMPLE	5 SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water†
1) Aluminium	Al	0.079	<0.065	0.113	<0.065	0.071	mg/L	no limit listed
2) Antimony	Sb	<0.500	<0.500	<0.500	<0.500	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	<0.500	<0.500	<0.500	<0.500	ug/L	25.0 ug/L
4) Barium	Ba	0.021	0.009	<0.009	<0.009	0.017	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	<0.003	<0.003	<0.003	<0.003	mg/L	no limit listed
6) Boron	B	0.158	0.147	0.159	0.144	0.153	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	<0.100	<0.100	<0.100	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	20.5	22.3	21.0	20.5	21.1	mg/L	200 mg/L
9) Chromium	Cr	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
11) Copper	Cu	<0.008	<0.008	<0.008	<0.008	<0.008	mg/L	1.00 mg/L
12) Gold	Au	<0.040	<0.040	<0.040	<0.040	<0.040	mg/L	no limit listed
13) Iron	Fe	0.484	0.502	0.498	0.467	0.494	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
15) Lead	Pb	3.76	4.03	2.75	8.31	2.81	ug/L	10.0 ug/L
16) Magnesium	Mg	5.51	5.89	5.36	5.55	5.71	mg/L	50.0 mg/L
17) Manganese	Mn	0.410	0.425	0.421	0.398	0.422	mg/L	0.050 mg/L
18) Mercury	Hg	<0.100	<0.100	<0.100	<0.100	<0.100	ug/L	1.00 ug/L
19) Molybdenum	Mo	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
20) Nickel	Ni	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
21) Phosphorus	P	<0.065	<0.065	<0.065	<0.065	<0.065	mg/L	no limit listed
22) Potassium	K	2.20	2.00	1.35	2.16	1.76	mg/L	no limit listed
23) Scandium	Sc	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
24) Selenium	Se	<0.500	<0.500	<0.500	<0.500	<0.500	ug/L	10.0 ug/L
25) Silicon	Si	5.08	4.92	5.05	4.72	5.15	mg/L	no limit listed
26) Silver	Ag	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	0.050 mg/L
27) Sodium	Na	16.3	18.0	17.6	26.6	20.5	mg/L	200 mg/L
28) Strontium	Sr	0.145	0.151	0.144	0.139	0.145	mg/L	no limit listed
29) Tin	Sn	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
27) Titanium	Ti	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
28) Tungsten	W	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
29) Vanadium	V	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
30) Zinc	Zn	0.033	0.031	0.019	0.022	0.013	mg/L	5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		73.8	79.9	74.6	74.0	76.2	mg/L	0-75 mg/L = soft 75-150 mg/L = moderately hard
pH		7.34	7.61	7.30	7.38	7.45	units	6.5 to 8.5

† As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 1996.



ANALYTICAL & TESTING SERVICES

*H. Hartmann*  
 H. Hartmann

PO BOX 2103, SIDNEY, B.C. V8L 3S6

TEL: (250) 656-1334 FAX: 656-0443

**Client/Code**

C.R.D. Pender Island  
 PO Dr 1000-524 Yates St.  
 Victoria, BC  
 V8W 2S6

Date 09Oct04 12:53p  
 Source FWS  
 Type of Sample water  
 No. of Samples 4

No. W61094

TEL: (250) 629-6611  
 FAX: (250) 629-6010  
 email group

Comments Arrival temp.: 10.0C  
 attn: M. McCallum/J. McFarland

Samples: 1) Magic Lake 06Oct04 2) Buck Lake 06Oct04

ELEMENTS		1	2	UNITS	Maximum Limits Permissible In Drinking Water*
		SAMPLE	SAMPLE		
1) Aluminium	Al	<0.065	<0.065	mg/L	no limit listed
2) Antimony	Sb	<0.500	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	1.60	<0.500	ug/L	25.0 ug/L
4) Barium	Ba	0.013	0.011	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	<0.003	mg/L	no limit listed
6) Boron	B	0.151	0.162	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	16.6	20.1	mg/L	200 mg/L
9) Chromium	Cr	<0.010	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	<0.020	mg/L	no limit listed
11) Copper	Cu	<0.008	<0.008	mg/L	1.00 mg/L
12) Gold	Au	<0.040	<0.040	mg/L	no limit listed
13) Iron	Fe	0.118	0.063	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	<0.500	ug/L	10.0 ug/L
16) Magnesium	Mg	6.34	5.53	mg/L	50.0 mg/L
17) Manganese	Mn	0.017	0.112	mg/L	0.050 mg/L
18) Mercury	Hg	<0.100	<0.100	ug/L	1.00 ug/L
19) Molybdenum	Mo	<0.020	<0.020	mg/L	no limit listed
20) Nickel	Ni	<0.050	<0.050	mg/L	no limit listed
21) Phosphorus	P	0.157	0.109	mg/L	no limit listed
22) Potassium	K	0.940	1.07	mg/L	no limit listed
23) Scandium	Sc	<0.050	<0.050	mg/L	no limit listed
24) Selenium	Se	<0.500	<0.500	ug/L	50.0 ug/L
25) Silicon	Si	1.18	4.27	mg/L	no limit listed
26) Silver	Ag	<0.010	<0.010	mg/L	0.050 mg/L
27) Sodium	Na	13.9	12.2	mg/L	200 mg/L
28) Strontium	Sr	0.110	0.122	mg/L	no limit listed
29) Tin	Sn	<0.020	<0.020	mg/L	no limit listed
30) Titanium	Ti	<0.010	<0.010	mg/L	no limit listed
31) Tungsten	W	<0.050	<0.050	mg/L	no limit listed
32) Vanadium	V	<0.010	<0.010	mg/L	no limit listed
33) Zinc	Zn	0.020	0.007	mg/L	5.00 mg/L
Hardness (mg/L CaCO3)		67.6	72.9	mg/L	0-75 mg/L = soft
pH		7.24	7.63	units	6.5 to 8.5

NOV 16 2004

\* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 1996.

Comments:

Manganese: not considered to be toxic; high amounts of Manganese can cause staining of laundry, porcelain and plumbing fixtures; may produce an undesirable taste.



*R. Bilodeau*  
 R. Bilodeau  
 Analytical Chemist

.....  
 H. Hartmann  
 Sr. Analytical Chemist

TEL: (250) 656-1334 FAX: 656-0443

P.O. BOX 2103, SIDNEY, B.C. V8L 3S6

## Client/Code

C.R.D. Pender Island  
C/o CRD SPWWTP  
9055 Mainwaring Road  
North Saanich, BC  
V8L 5Z1

TEL: 250-629-6611  
FAX: 250-629-6010

Date 13Jun05 1:46p  
Source FWS  
Type of Sample water  
No. of Samples 4

No. W64015 pg2

Comments Arrival temp.: 20.0C  
attn: M.McCallum/J.McFarland

Samples: 1) Magic Lake 13Jun05 08:00a 2) Buck Lake 13Jun05

ELEMENTS		1	2	UNITS	Maximum Limits Permissible In Drinking Water*
		SAMPLE	SAMPLE		
1) Aluminium	Al	0.405	0.259	mg/L	no limit listed
2) Antimony	Sb	<0.500	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	<0.500	ug/L	25.0 ug/L
4) Barium	Ba	<0.009	0.009	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	<0.003	mg/L	no limit listed
6) Boron	B	0.186	0.227	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	16.3	12.3	mg/L	200 mg/L
9) Chromium	Cr	<0.010	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	<0.020	mg/L	no limit listed
11) Copper	Cu	<0.008	0.016	mg/L	1.00 mg/L
12) Gold	Au	<0.040	<0.040	mg/L	no limit listed
13) Iron	Fe	0.082	0.011	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	<0.020	mg/L	no limit listed
15) Lead	Pb	1.61	2.02	ug/L	10.0 ug/L
16) Magnesium	Mg	6.70	10.2	mg/L	50.0 mg/L
17) Manganese	Mn	<0.004	0.014	mg/L	0.050 mg/L
18) Molybdenum	Mo	<0.020	<0.020	mg/L	no limit listed
19) Nickel	Ni	<0.050	<0.050	mg/L	no limit listed
20) Phosphorus	P	<0.065	1.41	mg/L	no limit listed
21) Potassium	K	4.27	49.5	mg/L	no limit listed
22) Scandium	Sc	<0.050	<0.050	mg/L	no limit listed
23) Silicon	Si	0.917	4.39	mg/L	no limit listed
24) Silver	Ag	<0.010	<0.010	mg/L	0.050 mg/L
25) Sodium	Na	13.7	11.9	mg/L	200 mg/L
26) Strontium	Sr	0.107	0.064	mg/L	no limit listed
27) Titanium	Ti	<0.010	<0.010	mg/L	no limit listed
28) Tungsten	W	0.093	<0.050	mg/L	no limit listed
29) Vanadium	V	<0.010	<0.010	mg/L	no limit listed
30) Zinc	Zn	0.049	0.058	mg/L	5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		68.3	72.6	mg/L	0-75 mg/L = soft
pH		7.25	6.59	units	6.5 to 8.5

\* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 1996.

Comments:

All constituents tested meet Canadian and B.C. drinking water standards.

\_\_\_\_\_  
R. Bilodeau  
Analytical Chemist

*H. Hartmann*  
\_\_\_\_\_  
H. Hartmann  
Sr. Analytical Chemist



**MB LABS LTD.**

ANALYTICAL & TESTING SERVICES P.O. BOX 2103, SIDNEY, B.C. V8L 3S6

TEL: (250) 656-1334 FAX: 656-0443

Client/Code

C.R.D. Pender Island  
 c/o CRD SPWWTP  
 9055 Mainwaring Rd.  
 North Saanich, BC  
 V8L 5Z1

Date 12Jul06 4:52p No. W69326  
 Source FWS  
 Type of Sample water  
 No. of Samples 2

TEL: (250) 629-6611 537-3  
 FAX: (250) 629-6010  
 email group  
 Comments Arrival temp.: 5.0C  
 Attn: M.McCallum/J.McFarland

Samples: 1) Buck Lake 10Jul06 09:00a 2) Magic Lake 10Jul06 09:30a

ELEMENTS		1 SAMPLE	2 SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water*
1) Aluminium	Al	<0.065	<0.065	mg/L	no limit listed
2) Antimony	Sb	1.44	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	<0.500	ug/L	10.0 ug/L
4) Barium	Ba	0.022	0.016	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	<0.003	mg/L	no limit listed
6) Boron	B	0.249	0.238	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	19.2	17.0	mg/L	200 mg/L
9) Chromium	Cr	0.026	0.025	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	<0.020	mg/L	no limit listed
11) Copper	Cu	0.049	0.016	mg/L	1.00 mg/L
12) Gold	Au	<0.040	<0.040	mg/L	no limit listed
13) Iron	Fe	0.293	0.391	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	<0.500	ug/L	10.0 ug/L
16) Magnesium	Mg	5.48	6.87	mg/L	50.0 mg/L
17) Manganese	Mn	0.030	0.030	mg/L	0.050 mg/L
18) Mercury	Hg	<0.100	<0.100	ug/L	1.00 ug/L
19) Molybdenum	Mo	<0.020	<0.020	mg/L	no limit listed
20) Nickel	Ni	<0.050	<0.050	mg/L	no limit listed
21) Phosphorus	P	<0.065	<0.065	mg/L	no limit listed
22) Potassium	K	1.37	0.910	mg/L	no limit listed
23) Scandium	Sc	<0.050	<0.050	mg/L	no limit listed
24) Selenium	Se	<0.500	<0.500	ug/L	10.0 ug/L
25) Silicon	Si	7.55	1.31	mg/L	no limit listed
26) Silver	Ag	<0.010	<0.010	mg/L	0.050 mg/L
27) Sodium	Na	12.6	15.3	mg/L	200 mg/L
28) Strontium	Sr	0.139	0.293	mg/L	no limit listed
29) Tin	Sn	<0.020	<0.020	mg/L	no limit listed
30) Titanium	Ti	<0.010	<0.010	mg/L	no limit listed
31) Tungsten	W	<0.050	<0.050	mg/L	no limit listed
32) Vanadium	V	<0.010	<0.010	mg/L	no limit listed
33) Zinc	Zn	0.049	0.035	mg/L	5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		70.6	70.8	mg/L	0-75 mg/L = soft
pH		7.95	7.86	units	6.5 to 8.5

\* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of Canadian Council of Resource & Envir. Ministers Guidelines for Canadian Drinking Water Quality, 1996. Amend. Health Canada (2006).

\_\_\_\_\_  
 R. Bilodeau  
 Analytical Chemist

\_\_\_\_\_  
 H. Hartmann  
 Sr. Analytical Chemist



## Client/Code

C.R.D. Saturna Island  
 PO Dr 1000-524 Yates St.  
 Victoria, BC  
 V8W 2S6

Date 23Feb04 3:49p  
 Source FWS  
 Type of Sample water  
 No. of Samples 2

No. W58311 pg2

TEL: (250) 539-5553  
 FAX: (250) 539-5133

Comments Arrival temp.: 17.0C  
 Attn: J. McFarland/M. McCallum

Sample: Money Lake - 23Feb04 14:00

ELEMENTS		SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water*
1) Aluminium	Al	0.190	mg/L	no limit listed
2) Antimony	Sb	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	ug/L	25.0 ug/L
4) Barium	Ba	0.012	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	mg/L	no limit listed
6) Boron	B	0.270	mg/L	5.00 mg/L
7) Cadmium	Cd	<1.00	ug/L	5.00 ug/L
8) Calcium	Ca	12.3	mg/L	200 mg/L
9) Chromium	Cr	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	mg/L	no limit listed
11) Copper	Cu	<0.008	mg/L	1.00 mg/L
12) Gold	Au	0.041	mg/L	no limit listed
13) Iron	Fe	0.216	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	ug/L	10.0 ug/L
16) Magnesium	Mg	4.47	mg/L	50.0 mg/L
17) Manganese	Mn	0.023	mg/L	0.050 mg/L
18) Molybdenum	Mo	<0.020	mg/L	no limit listed
19) Nickel	Ni	<0.050	mg/L	no limit listed
20) Phosphorus	P	0.084	mg/L	no limit listed
21) Potassium	K	3.11	mg/L	no limit listed
22) Scandium	Sc	<0.050	mg/L	no limit listed
23) Silicon	Si	8.26	mg/L	no limit listed
24) Silver	Ag	<0.010	mg/L	0.050 mg/L
25) Sodium	Na	4.92	mg/L	200 mg/L
26) Strontium	Sr	0.114	mg/L	no limit listed
27) Titanium	Ti	<0.010	mg/L	no limit listed
28) Tungsten	W	<0.050	mg/L	no limit listed
29) Vanadium	V	<0.010	mg/L	no limit listed
30) Zinc	Zn	0.013	mg/L	5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		49.2	mg/L	0-75 mg/L = soft
pH		6.90	units	6.5 to 8.5

\* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 1996.

R. Bilodeau  
 Analytical Chemist

H. Hartmann  
 Sr. Analytical Chemist



ANALYTICAL &amp; TESTING SERVICES

P.O. BOX 2103, SIDNEY, B.C. V8L 3S6

TEL: (250) 656-1334 FAX: 656-0443

## Client/Code

C.R.D. Saturna Island  
PO Dr 1000-524 Yates St.  
Victoria, BC  
V8W 2S6

Date 29Mar04 12:22p  
Source FWS  
Type of Sample water  
No. of Samples 3

No. W58698

TEL: (250) 539-5553  
FAX: (250) 539-5133  
email group

Comments Arrival temp.: 16.0C

Sample: Money Lake

ELEMENTS	SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water*	
1) Aluminium	Al	0.138	mg/L	no limit listed
2) Antimony	Sb	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	ug/L	25.0 ug/L
4) Barium	Ba	<0.009	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	mg/L	no limit listed
6) Boron	B	0.307	mg/L	5.00 mg/L
7) Cadmium	Cd	<1.00	ug/L	5.00 ug/L
8) Calcium	Ca	14.7	mg/L	200 mg/L
9) Chromium	Cr	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	mg/L	no limit listed
11) Copper	Cu	<0.008	mg/L	1.00 mg/L
12) Gold	Au	<0.040	mg/L	no limit listed
13) Iron	Fe	0.240	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	ug/L	10.0 ug/L
16) Magnesium	Mg	5.59	mg/L	50.0 mg/L
17) Manganese	Mn	0.029	mg/L	0.050 mg/L
18) Molybdenum	Mo	<0.020	mg/L	no limit listed
19) Nickel	Ni	<0.050	mg/L	no limit listed
20) Phosphorus	P	0.167	mg/L	no limit listed
21) Potassium	K	2.61	mg/L	no limit listed
22) Scandium	Sc	<0.050	mg/L	no limit listed
23) Silicon	Si	9.93	mg/L	no limit listed
24) Silver	Ag	<0.010	mg/L	0.050 mg/L
25) Sodium	Na	9.81	mg/L	200 mg/L
26) Strontium	Sr	0.127	mg/L	no limit listed
27) Titanium	Ti	<0.010	mg/L	no limit listed
28) Tungsten	W	<0.050	mg/L	no limit listed
29) Vanadium	V	<0.010	mg/L	no limit listed
30) Zinc	Zn	0.010	mg/L	5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		59.6	mg/L	0-75 mg/L = soft
pH		6.78	units	6.5 to 8.5

\* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 1996.

## Comments:

All constituents tested meet Canadian and B.C. drinking water standards.

R. Bilodeau  
Analytical Chemist

H. Hartmann  
Sr. Analytical Chemist



ANALYTICAL & TESTING SERVICES P.O. BOX 2103, SIDNEY, B.C. V8L 3S6

TEL: (250) 656-1334 FAX: 656-0443

Client/Code

C.R.D. Saturna Island  
 c/o CRD SPWWTP  
 9055 Mainwaring Rd.  
 North Saanich, BC  
 V8L 5Z1

TEL: (250) 539-5553  
 FAX: (250) 539-5133

Date 20Jun06 12:26p  
 Source FWS  
 Type of Sample water  
 No. of Samples 3

No. W68970 pg2

Comments Arrival temp.: 9.0C  
 Attn: M.McCallum/G.Foley

Sample: Money Lake 20Jun06

ELEMENTS		SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water*
1) Aluminium	Al	0.120	mg/L	no limit listed
2) Antimony	Sb	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	ug/L	10.0 ug/L
4) Barium	Ba	0.115	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	mg/L	no limit listed
6) Boron	B	0.103	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	11.2	mg/L	200 mg/L
9) Chromium	Cr	0.031	mg/L	0.050 mg/L
10) Cobalt	Co	0.008	mg/L	no limit listed
11) Copper	Cu	0.013	mg/L	1.00 mg/L
12) Gold	Au	<0.040	mg/L	no limit listed
13) Iron	Fe	0.294	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	ug/L	10.0 ug/L
16) Magnesium	Mg	4.21	mg/L	50.0 mg/L
17) Manganese	Mn	0.026	mg/L	0.050 mg/L
18) Molybdenum	Mo	<0.020	mg/L	no limit listed
19) Nickel	Ni	0.491	mg/L	no limit listed
20) Phosphorus	P	0.370	mg/L	no limit listed
21) Potassium	K	2.04	mg/L	no limit listed
22) Scandium	Sc	<0.050	mg/L	no limit listed
23) Silicon	Si	8.66	mg/L	no limit listed
24) Silver	Ag	<0.010	mg/L	0.050 mg/L
25) Sodium	Na	7.38	mg/L	200 mg/L
26) Strontium	Sr	0.505	mg/L	no limit listed
27) Titanium	Ti	<0.010	mg/L	no limit listed
28) Tungsten	W	0.193	mg/L	no limit listed
29) Vanadium	V	<0.010	mg/L	no limit listed
30) Zinc	Zn	0.048	mg/L	5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		45.3	mg/L	0-75 mg/L = soft
pH		7.71	units	6.5 to 8.5

\* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92, & 390 Sch 120, 2001. Task Force of Canadian Council of Resource & Envir. Ministers Guidelines for Canadian Drinking Water Quality, 1996. Ammend. Health Canada (2006).

Comments:

All constituents tested meet Canadian and B.C. drinking water standards.

R. Bilodeau  
 Analytical Chemist

H. Hartmann  
 Sr. Analytical Chemist

