

Braithwaite Estates Imp. Dist.  
 \*B  
 P.O. Box 282  
 Cobble Hill, BC  
 V0R 1L0

28Mar23 3:00p  
 Well  
 water  
 2

W173435

TEL: (250) 743-7211  
 braithwaiteestates@shaw.ca

Arrival temp.: 4.0C  
 Sampler: Joe Woolls

Samples: Beid Well #3 - 1) Beid Well #3 28Mar23 08:50a  
 2) Beid Fisher Rd Well #4 28Mar23 09:15a

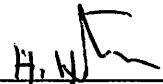
ELEMENTS		1		2		Maximum Limits Permissible In Drinking Water*
		SAMPLE	SAMPLE	UNITS	UNITS	
1) Aluminium	Al	0.133	0.120	mg/L		no limit listed
2) Antimony	Sb	<0.500	<0.500	ug/L		6.00 ug/L
3) Arsenic	As	4.84	1.95	ug/L		10.0 ug/L
4) Barium	Ba	<0.009	<0.009	mg/L		2.00 mg/L
5) Beryllium	Be	<0.003	<0.003	mg/L		no limit listed
6) Boron	B	0.589	0.531	mg/L		5.00 mg/L
7) Cadmium	Cd	<0.010	<0.010	ug/L		7.00 ug/L
8) Calcium	Ca	16.8	21.3	mg/L		200 mg/L
9) Chromium	Cr	<0.003	<0.003	mg/L		0.050 mg/L
10) Cobalt	Co	<0.005	<0.005	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	0.218	0.313	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		5.00 ug/L
16) Magnesium	Mg	3.14	6.25	mg/L		50.0 mg/L
17) Manganese	Mn	<0.004	<0.004	mg/L		0.120 MAC 0.020 AO
18) Mercury	Hg	<0.010	<0.010	ug/L		1.00 ug/L
19) Molybdenum	Mo	<0.005	<0.005	mg/L		no limit listed
20) Nickel	Ni	<0.004	<0.004	mg/L		no limit listed
21) Phosphorus	P	0.037	0.032	mg/L		no limit listed
22) Potassium	K	0.690	0.710	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		5.0 ug/L
25) Silicon	Si	6.36	8.39	mg/L		no limit listed
26) Silver	Ag	<0.010	<0.010	mg/L		no limit listed
27) Sodium	Na	6.42	6.65	mg/L		200 mg/L
28) Strontium	Sr	0.070	0.100	mg/L		no limit listed
29) Tin	Sn	<0.020	0.024	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	0.032	0.022	mg/L		5.00 mg/L
Hardness (mg/L CaCO <sub>3</sub> )		54.9	78.9	mg/L		0-75 mg/L = soft
pH		7.31	7.64	units		7.0 to 10.5

\* 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, 2020.

Comments:

Iron: high amounts of Iron can cause staining of laundry, porcelain and plumbing fixtures; can produce an undesirable taste. Essential for health.

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 R. Bilodeau  
 Analytical Chemist

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 H. Hartmann  
 Sr. Analytical Chemist

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SAMPLE	DATE	TIME	Alkalinity (mg/L)	NH <sub>3</sub> -N (ug/L)	Cl <sup>-</sup> (mg/L)	Colour (TCU)	E.C. (ug/L)
1 Beid Well #3	28Mar23	08:50a	80.0	ND	4.48	1.20	177
2 Beid Fisher Rd Well14	28Mar23	09:15a	70.0	ND	11.4	0.745	219
Lab Blank			ND	ND	ND	ND	ND
S <sub>0</sub>			0.100	0.254	0.015	0.300	0.300
REF. VALUE			100	10.0	10.0	5.00	147
STD ± 2SD			106 ± 5.89	9.81 ± 0.790	9.89 ± 0.866	5.08 ± 0.044	142 ± 12.9

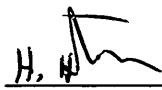
SAMPLE	DATE	TIME	CORROSIVITY (Is @20C)	F <sup>-</sup> (mg/L)	S <sup>2-</sup> (ug/L)	TKN (mg/L)	NO <sub>3</sub> -N (ug/L)
1 Beid Well #3	28Mar23	08:50a	-0.939	ND	ND	ND	41.6
2 Beid Fisher Rd Well14	28Mar23	09:15a	-0.574	0.130	ND	0.040	---
Lab Blank				ND	ND	ND	ND
S <sub>0</sub>				0.007	0.007	0.012	0.160
REF. VALUE				1.00	50.0	1.00	100
STD ± 2SD				1.07 ± 0.088	49.2 ± 0.480	0.944 ± 0.069	105 ± 6.99

SAMPLE	DATE	TIME	NO <sub>2</sub> -N (ug/L)	SO <sub>4</sub> <sup>2-</sup> (mg/L)	T.O.C. (mg/L)	T&L (mg/L)	TDS (mg/L)
1 Beid Well #3	28Mar23	08:50a	ND	24.6	3.12	ND	103
2 Beid Fisher Rd Well14	28Mar23	09:15a	ND	18.3	3.00	ND	127
Lab Blank			ND	ND	ND	ND	ND
S <sub>0</sub>			0.300	0.075	0.300	0.070	0.010
REF. VALUE			10.0	10.0	5.00	1.00	200
STD ± 2SD			10.7 ± 0.688	10.2 ± 0.822	4.88 ± 0.389	0.983 ± 0.074	293 ± 15.7

SAMPLE	DATE	TIME	Turbidity (NTU)	UVT (%)	NO <sub>3</sub> -N (mg/L)
1 Beid Well #3	28Mar23	08:50a	0.410	96.0	---
2 Beid Fisher Rd Well14	28Mar23	09:15a	0.330	100	2.29
Lab Blank			ND	ND	ND
S <sub>0</sub>			0.015	0.003	0.160 ug/L
REF. VALUE			0.500	90.0	10.0
STD ± 2SD			0.490 ± 0.043	90.2 ± 0.020	9.44 ± 0.702

SD = standard deviation; REF VALUE = primary or secondary reference material  
 STD = secondary standard calibrated to primary standard reference material  
 S<sub>0</sub> = standard deviation at zero analyte concentration; method detection limit  
 is generally considered to be 3x S<sub>0</sub> value  
 ND = none detected n/a = not applicable

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