

Cobble Hill Improve. District
*A
P.O. Box 27
Cobble Hill, BC
V0R 1L0

TEL: (250) 701-5193
group

15Mar23 9:31a
Well
water
1

W173133

Arrival temp.: 6.0C
Sampler: Alan Seal

Sample: Holland Well 14Mar23 09:36a

<u>ELEMENTS</u>		<u>SAMPLE</u>	<u>UNITS</u>	<u>Maximum Limits Permissible In Drinking Water*</u>
1) Aluminium	Al	0.162	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	<0.009	mg/L	2.00 mg/L
5) Beryllium	Be	<0.003	mg/L	no limit listed
6) Boron	B	0.631	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.010	ug/L	7.00 ug/L
8) Calcium	Ca	55.5	mg/L	200 mg/L
9) Chromium	Cr	<0.003	mg/L	0.050 mg/L
10) Cobalt	Co	<0.005	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	0.023	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	ug/L	5.00 ug/L
16) Magnesium	Mg	8.16	mg/L	50.0 mg/L
17) Manganese	Mn	<0.004	mg/L	0.120 MAC 0.020 AO
18) Mercury	Hg	<0.010	ug/L	1.00 ug/L
19) Molybdenum	Mo	<0.005	mg/L	no limit listed
20) Nickel	Ni	<0.004	mg/L	no limit listed
21) Phosphorus	P	<0.010	mg/L	no limit listed
22) Potassium	K	0.580	mg/L	no limit listed
23) Scandium	Sc	<0.050	mg/L	no limit listed
24) Selenium	Se	<0.500	ug/L	5.00 ug/L
25) Silicon	Si	9.75	mg/L	no limit listed
26) Silver	Ag	<0.010	mg/L	no limit listed
27) Sodium	Na	6.68	mg/L	200 mg/L
28) Strontium	Sr	0.080	mg/L	no limit listed
29) Tin	Sn	<0.020	mg/L	no limit listed
30) Titanium	Ti	<0.010	mg/L	no limit listed
31) Tungsten	W	<0.050	mg/L	no limit listed
32) Vanadium	V	<0.010	mg/L	no limit listed
33) Zinc	Zn	0.006	mg/L	5.00 mg/L
Hardness (mg/L CaCO ₃)		172	mg/L	150-300 mg/L = hard
pH		7.08	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:

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

R. Bilodeau
Analytical Chemist

H. Hartmann
Sr. Analytical Chemist

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<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>Alkalinity</u> (mg/L)	<u>NH₃-N</u> (ug/L)	<u>Cl⁻</u> (mg/L)	<u>Colour</u> (TCU)	<u>E.C.</u> (uS/cm)
Holland Well	14Mar23	09:36a	155	5.10	14.4	0.960	371
Lab Blank			ND	ND	ND	ND	ND
S _o			0.100	0.254	0.015	0.300	0.300
REF. VALUE			100	100	10.0	5.00	147
STD ± 2SD			108 ± 8.89	97.7 ± 7.22	10.4 ± 0.890	4.89 ± 0.439	142 ± 12.9

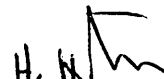
<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>CORROSIVITY</u> (Is @20C)	<u>F⁻</u> (mg/L)	<u>S²⁻</u> (ug/L)	<u>TKN</u> (mg/L)	<u>NO₃-N</u> (mg/L)
Holland Well	14Mar23	09:36a	-0.373	0.665	ND	0.094	3.59
Lab Blank			ND	ND	ND	ND	ND
S _o				0.007	0.007	0.012	0.160 ug/L
REF. VALUE				1.00	50.0	1.00	10.0
STD ± 2SD				1.07 ± 0.088	49.2 ± 3.99	0.984 ± 0.097	10.5 ± 0.622

<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>NO₂-N</u> (ug/L)	<u>T.SiO₂</u> (mg/L)	<u>SO₄²⁻</u> (mg/L)	<u>T.O.C.</u> (mg/L)	<u>T&L</u> (mg/L)
Holland Well	14Mar23	09:36a	ND	21.1	10.5	7.18	ND
Lab Blank			ND	ND	ND	ND	ND
S _o			0.300	0.003	0.075	0.300	0.070
REF. VALUE			10.0	10.0	10.0	5.00	1.00
STD ± 2SD			10.7 ± 0.688	10.4 ± 0.720	9.88 ± 0.624	5.07 ± 0.382	0.988 ± 0.069

<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>TDS</u> (mg/L)	<u>Turbidity</u> (NTU)	<u>UVT</u> (%)
Holland Well	14Mar23	09:36a	215	1.12	98.9
Lab Blank			ND	ND	ND
S _o			0.010	0.015	0.003
REF. VALUE			200	0.500	90.0
STD ± 2SD			189 ± 14.9	0.515 ± 0.038	90.1 ± 0.020

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

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