

N. Saltspring Waterworks - M
*A Distict Manager
761 Upper Ganges Rd.
Salt Spring Island, BC
V8K 1S1

29Aug22 1:42p
FWS
water
7

W169992

TEL: (250) 537-9902
group

Arrival temp.: 10.4C
Sampler: Mike

Samples: Scott Point Dist

Site Code	Date	Time	CFU/100 ml		CFU/100 ml		CFU/100 mL	
			TC	T-NC	FC	F-NC	E.coli	
1 Marina Cr	2D001	29Aug22	10:15a	0	0	0	0	0
6 Well#1 Trt Dis	2CFFA	29Aug22	09:56a	0	0	0	0	0

TC = total coliform bacteria

FC = fecal coliform bacteria (aka thermotolerant coliforms)

NC = non-coliform bacteria


CFU/100 ml = colony forming units per 100 milli-litres

Results may be adversely affected if samples are submitted to the laboratory more than 24 to 30 hours after collection.

E. coli = Escherichia coli, FDA/BAM 9th ed, Oct 2020

Bergy's Manual of Systematic Bacteriology vol 1, AOAC 1984; J.Clin.Micro.,
J.Intern.Systm.Bact.

- see following page for chemistry results -


W. Riggs
Sr. Microbiologist

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E-MAILED

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 Sampler: Mike

Samples: Scott Point Dist - 2) Well #1 RAW 2CFF7 29Aug22 10:01a 3) Well #3 RAW 2CFF8 29Aug22 08:55a
 4) Well #3 Trtd 2CFFC 29Aug22 08:50a 5) Well#4 RAW 2CFF9 29Aug22 09:14a
 7) Well#4 Trt Dis 2D081 29Aug22 10:24a

ELEMENTS		2	3	4	5	7	UNITS	Maximum Limits Permissible
		SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE		In Drinking Water*
1) Aluminium	Al	0.102	0.112	0.104	0.117	0.144	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	10.0 ug/L
4) Barium	Ba	0.144	0.026	0.025	0.069	0.049	mg/L	2.00 mg/L
5) Beryllium	Be	<0.003	<0.003	<0.003	<0.003	<0.003	mg/L	no limit listed
6) Boron	B	0.726	0.600	0.638	0.661	0.644	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.010	<0.010	<0.010	<0.010	<0.010	ug/L	7.00 ug/L
8) Calcium	Ca	307	29.9	31.3	111	109	mg/L	200 mg/L
9) Chromium	Cr	<0.003	<0.003	<0.003	<0.003	<0.003	mg/L	0.050 mg/L
10) Cobalt	Co	<0.005	<0.005	<0.005	<0.005	<0.005	mg/L	no limit listed
11) Copper	Cu	0.038	<0.008	0.008	<0.008	0.059	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	0.364	0.713	0.121	1.01	0.084	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	1.52	0.587	0.562	<0.500	1.15	ug/L	5.00 ug/L
16) Magnesium	Mg	89.9	8.36	8.81	29.5	28.7	mg/L	50.0 mg/L
17) Manganese	Mn	1.44	0.102	0.014	0.997	0.550	mg/L	0.120 MAC 0.020 AO
18) Mercury	Hg	<0.010	<0.010	<0.010	<0.010	<0.010	ug/L	1.00 ug/L
19) Molybdenum	Mo	<0.005	<0.005	<0.005	<0.005	<0.005	mg/L	no limit listed
20) Nickel	Ni	<0.004	<0.004	<0.004	<0.004	<0.004	mg/L	no limit listed
21) Phosphorus	P	<0.010	<0.010	<0.010	0.011	<0.010	mg/L	no limit listed
22) Potassium	K	9.32	1.56	1.65	1.24	1.26	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	5.0 ug/L
25) Silicon	Si	7.11	9.80	10.3	11.6	11.5	mg/L	no limit listed
26) Silver	Ag	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
27) Sodium	Na	1340	18.8	21.8	132	128	mg/L	200 mg/L
28) Strontium	Sr	7.43	0.220	0.230	1.40	1.36	mg/L	no limit listed
29) Tin	Sn	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
30) Titanium	Ti	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
31) Tungsten	W	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
32) Vanadium	V	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
33) Zinc	Zn	0.019	0.014	0.016	0.018	0.020	mg/L	5.00 mg/L
Hardness (mg/L CaCO ₃)		1140	109	114	399	390	mg/L	>300 mg/L = very hard
pH		6.91	6.24	6.08	6.55	6.87	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.

 R. Bilodeau
 Analytical Chemist



 H. Hartmann
 Sr. Analytical Chemist

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Arrival temp.: 10.4C
Sampler: Mike

Samples: Scott Point Dist

<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>TDS</u> <u>(mg/L)</u>
2 Well #1 RAW	2CFF7	29Aug22 10:01a	5829
3 Well #3 RAW	2CFF8	29Aug22 08:55a	209
4 Well #3 Trtd	2CFFC	29Aug22 08:50a	182
5 Well#4 RAW	2CFF9	29Aug22 09:14a	922
7 Well#4 Trt Dis	2D081	29Aug22 10:24a	933
Lab Blank			ND
S _o			0.010
REF. VALUE			200
STD ± 2SD			205 ± 17.2

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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