Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2024 Monthly Report

		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
10-Jan-24	1565 Stonelake	0	0	0	0	10	7.89	0.68	69.1	0.07	146.0	0.29
10-Jan-24	2259 Higginson	0	0	0	0	10	8.28	0.55	37.0	0.04	78.7	0.31
10-Jan-24	3427 Tyee	0	0	0	0	10	7.64	0.57	142.4	0.14	298.0	0.17
10-Jan-24	2454 Armstrong	0	0	0	0	9	7.61	0.64	157.4	0.16	328.0	0.17
10-Jan-24	3541 Shelby	0	0	0	0	9	7.72	0.68	144.5	0.14	302.0	0.16
10-Jan-24	2329 Chain	0	0	0	0	9	7.71	0.77	145.2	0.14	304.0	0.24
23-Jan-24	1358 Madrona	0	0	0	0	9	7.35	0.72	93.1	0.09	195.9	0.29
23-Jan-24	1639 Marina Way	0	0	0	0	9	7.84	0.57	53.9	0.05	114.2	0.29
23-Jan-24	3730 Fairwinds	0	0	0	0	9	7.66	0.84	115.5	0.12	242.0	0.24
23-Jan-24	3500 Fairwinds	0	0	0	0	9	7.64	0.83	129.3	0.13	250.0	0.20
23-Jan-24	Florence & Anchor	0	0	0	0	9	7.63	0.61	126.3	0.13	264.0	0.36
23-Jan-24	1566 Arbutus	0	0	0	0	9		0.72				0.32
23-Jan-24	1270 Sea Dog	0	0	0	0	9	7.90	0.50	56.7	0.50	122.2	0.36
23-Jan-24	2315 Ida Lane	0	0	0	0	9	7.59	0.43	149.4	0.15	312.0	0.36
23-Jan-24	2400 Evanshire	0	0	0	0	9		0.80				0.15
23-Jan-24	2339 Garry Oak	0	0	0	0	9		0.71				0.26
29-Jan-24	1566 Arbutus			0	0	8.5	7.53	0.76	73.5	0.07	136.6	0.33
29-Jan-24	3119 Swallow	0	0	0	0	7.5	7.24	0.30	133.4	0.13	280.0	0.21
29-Jan-24	NB Elementry			0	0	8.5	7.03	1.34	123.2	0.12	257.0	0.33
29-Jan-24	3465 Cambridge	0	0	0	0	8.5	7.15	0.82	140.7	0.14	298.0	0.20
29-Jan-24	1996 Highland	0	0	0	0	8.5	7.14	0.66	143.6	0.14	302.0	0.31
29-Jan-24	3383 Redden	0	0	0	0	8		0.82				0.30
29-Jan-24	2339 Garry Oak			0	0	8	7.02	0.48	142.0	0.14	296.0	0.30
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

Iron and Manganese are no longer being tested in-house.

A full potability scan, including metals and minerals, is completed once per year at an external lab.

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2024 Monthly Report

		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
7-Feb-24	1565 Stone lake	0	0	0	0	9	8.61	0.44	60.6	0.06	128.5	0.19
7-Feb-24	2259 Higginson	0	0	0	0	9	8.60	0.44	39.0	0.04	82.6	0.17
7-Feb-24	3427 Tyee	0	0	0	0	9	7.85	0.54	132.7	0.13	278.0	0.17
7-Feb-24	2454 Armstrong	0	0	0	0	9	7.87	0.36	109.6	0.11	230.0	0.25
7-Feb-24	3541 Shelby	0	0	0	0	9	7.59	0.97	175.7	0.18	365.0	0.21
7-Feb-24	2329 Chain	0	0	0	0	8	7.75	0.43	125.2	0.12	262.0	0.18
13-Feb-24	1566 Arbutus	0	0	0	0	8	8.34	0.61	56.2	0.06	119.0	0.23
13-Feb-24	1270 Sea dog	0	0	0	0	9	8.40	0.62	40.4	0.04	85.6	0.31
13-Feb-24	2315 Ida Lane	0	0	0	0	9	7.76	0.42	168.4	0.17	350.0	0.36
13-Feb-24	2400 Evanshire	0	0	0	0	9	7.73	0.73	148.6	0.15	310.0	0.17
13-Feb-24	3383 Redden	0	0	0	0	9	7.70	0.75	154.2	0.15	321.0	0.21
13-Feb-24	2339 Garry Oak	0	0	0	0	9	7.76	0.79	145.4	0.14	303.0	0.16
20-Feb-24	1358 Madrona	0	0	0	0	8	8.39	0.52	76.9	0.08	162.2	0.33
20-Feb-24	1639 Marina Way	0	0	0	0	9	8.46	0.53	43.7	0.04	92.9	0.28
20-Feb-24	NB Elementry			0	0	9	7.80	0.99	114.8	0.11	241.0	0.19
20-Feb-24	3730 Fairwinds	0	0	0	0	9	7.71	0.71	147.1	0.15	307.0	0.29
20-Feb-24	3500 Fairwinds	0	0	0	0	9	7.70	0.64	151.6	0.15	316.0	0.24
20-Feb-24	Florence & Anchor	0	0	0	0	8	7.71	0.46	143.1	0.14	299.0	0.22
26-Feb-24	1566 Arbutus			0	0	8	8.41	0.63	61.8	0.06	130.7	0.32
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

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Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

Iron and Manganese are no longer being tested in-house.

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Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2024 Monthly Report

		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
5-Mar-24	1565 Stonelake	0	0	0	0	8	8.27	0.90	102.5	0.10	215.4	0.22
5-Mar-24	2259 Higginson	0	0	0	0	8	8.88	0.63	39.0	0.04	82.6	0.17
5-Mar-24	3427 Tyee	0	0	0	0	8	8.13	0.69	130.5	0.13	273.0	0.21
5-Mar-24	2454 Armstrong	0	0	0	0	8	8.03	0.47	95.1	0.09	200.1	0.30
5-Mar-24	1996 Highland	0	0	0	0	8	7.77	0.59	139.2	0.14	291.0	0.14
5-Mar-24	2329 Chain	0	0	0	0	7	7.67	0.74	116.2	0.12	242.0	0.36
12-Mar-24	1566 Arbutus	0	0	0	0	8	8.47	0.74	66.4	0.07	139.7	0.31
12-Mar-24	1270 Sea Dog	0	0	0	0	8	8.43	0.59	47.1	0.05	100.1	0.26
12-Mar-24	2315 Ida Lane	0	0	0	0	8	7.88	0.33	129.2	0.13	270.0	0.29
12-Mar-24	2400 Evanshire	0	0	0	0	8	7.80	0.80	127.4	0.13	267.0	0.27
12-Mar-24	3383 Redden	0	0	0	0	8	7.73	0.74	143.0	0.14	298.0	0.26
12-Mar-24	2339 Garry Oaks	0	0	0	0	8	7.80	0.77	117.6	0.12	246.0	0.20
20-Mar-24	1358 Madrona	0	0	0	0	9	8.35	0.70	68.4	0.07	144.0	0.28
20-Mar-24	1639 Marina Way	0	0	0	0	9	8.16	0.78	49.3	0.05	104.9	0.33
20-Mar-24	NB Elementry	0	0	0	0	9	7.66	1.20	155.4	0.15	324.0	0.20
20-Mar-24	3730 Fairwinds	0	0	0	0	9	7.67	0.82	159.2	0.16	332.0	0.30
20-Mar-24	3500 Fairwinds	0	0	0	0	9	7.78	0.96	143.3	0.14	299.0	0.30
20-Mar-24	Florence & Anchor	0	0	0	0	8	8.02	0.50	138.0	0.14	289.0	0.32
27-Mar-24	1566 Arbutus			0	0	9	8.20	0.59	45.0	0.04	95.0	0.37
27-Mar-24	3119 Swallow	0	0	0	0	9	7.82	0.36	118.0	0.12	246.0	0.23
27-Mar-24	2454 Armstrong			0	0	9	7.91	0.60	166.0	0.16	345.0	0.49
27-Mar-24	3465 Cambridge	0	0	0	0	9	7.47	0.98	162.0	0.16	339.0	0.36
27-Mar-24	1996 Highland	0	0	0	0	9	7.87	0.73	153.0	0.15	318.0	0.44
27-Mar-24	2339 Garry Oak			0	0	9	7.87	0.72	165.0	0.16	344.0	0.42
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

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Comments:

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Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

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Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
10-Apr-24	1565 Stone lake	0	0	0	0	10	7.93	0.55	94.3	0.09	197.9	0.22
10-Apr-24	2259 Higginson	0	0	0	0	10	8.57	0.56	42.2	0.04	89.7	0.36
10-Apr-24	3427 Tyee	0	0	0	0	10	8.00	0.89	137.5	0.13	286.0	0.26
10-Apr-24	2454 Armstrong	0	0	0	0	10	8.04	0.65	131.5	0.13	276.0	0.29
10-Apr-24	3541 Shelby	0	0	0	0	10	7.80	0.87	156.4	0.16	326.0	0.13
10-Apr-24	2329 Chain	0	0	0	0	9	7.83	0.45	132.4	0.13	277.0	0.13
17-Apr-24	1566 Arbutus	0	0	0	0	10	8.09	0.37	119.2	0.12	249.0	0.37
17-Apr-24	1270 Seadog	0	0	0	0	11	8.33	0.57	56.9	0.06	120.6	0.13
17-Apr-24	2400 Evanshire	0	0	0	0	10	7.77	0.67	128.6	0.13	269.0	0.25
17-Apr-24	3383 Redden	0	0	0	0	10	7.71	0.70	122.9	0.13	249.0	0.16
17-Apr-24	2339 Garry Oak	0	0	0	0	10	8.56	0.55	45.1	0.04	95.6	0.25
23-Apr-24	1350 Madrona	0	0	0	0	11	8.40	0.54	73.0	0.07	154.3	0.23
23-Apr-24	3119 Swallow	0	0	0	0	11	7.97	0.41	107.3	0.11	225.0	0.18
23-Apr-24	2315 Ida Lane	0	0	0	0	11	8.09	0.20	111.0	0.11	233.0	0.29
23-Apr-24	3730 Fairwinds	0	0	0	0	11	7.87	0.84	135.1	0.13	283.0	0.15
23-Apr-24	3500 Fairwinds	0	0	0	0	11	7.83	0.81	127.1	0.13	127.3	0.18
23-Apr-24	Florence & Anchor	0	0	0	0	11	7.65	1.01	168.1	0.17	351.0	0.30
30-May-24	1566 Arbutus			0	0	11	7.90	0.47	86.5	0.09	182.1	0.28
30-May-24	1639 Marina Way	0	0	0	0	11	8.36	0.81	43.4	0.04	92.1	0.12
30-May-24	NB Elementry			0	0	10	7.35	1.12	133.7	0.13	280.0	0.16
30-May-24	3465 Cambridge	0	0	0	0	11	7.36	0.83	145.1	0.14	303.0	0.13
30-May-24	1996 Highland	0	0	0	0	11	7.31	0.65	141.0	0.14	294.0	0.14
30-May-24	2339 Garry Oak			0	0	10	7.26	0.79	124.0	0.12	260.0	0.14
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

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Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

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Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
6-May-24	1565 Stone Lake	0	0	0	0	12	8.14	0.79	66.2	0.07	140.2	0.17
6-May-24	2259 Higginson	0	0	0	0	12	8.46	0.59	44.9	0.04	95.1	0.15
6-May-24	3427 Tyee	0	0	0	0	12	7.45	0.82	143.5	0.14	300.0	0.17
6-May-24	2454 Armstrong	0	0	0	0	11	7.67	0.45	85.4	0.08	179.7	0.19
6-May-24	3541 Shelby	0	0	0	0	12	7.39	0.91	143.8	0.14	300.0	0.27
6-May-24	2329 Chain	0	0	0	0	12	7.33	0.90	156.3	0.14	321.0	0.28
15-May-24	1270 Seadog	0	0	0	0	12	8.38	0.80	44.8	0.04	95.0	0.34
15-May-24	2400 Evanshire	0	0	0	0	12	7.46	0.91	137.4	0.14	288.0	0.20
15-May-24	3383 Redden	0	0	0	0	12	7.16	0.87	74.9	0.07	154.9	0.27
15-May-24	2339 Garry Oaks	0	0	0	0	12	7.69	0.66	127.8	0.13	267.0	0.25
22-May-24	1358 Madrona	0	0	0	0	13	8.11	0.71	84.6	0.08	178.5	0.17
22-May-24	1639 Marina Way	0	0	0	0	13	8.22	0.84	51.6	0.05	109.3	0.30
22-May-24	2315 Ida Lane	0	0	0	0	13	7.88	0.21	80.4	0.08	169.3	0.31
22-May-24	3730 Fairwinds	0	0	0	0	13	7.45	1.02	127.1	0.13	266.0	0.23
22-May-24	3500 Fairwinds	0	0	0	0	13	7.34	0.90	137.1	0.14	287.0	0.28
22-May-24	Florence & Anchor	0	0	0	0	13	7.27	0.91	138.9	0.14	290.0	0.29
28-May-24	1566 Arbuts			0	0	12	7.95	0.74	64.0	0.06	135.2	0.34
28-May-24	3119 Swallow	0	0	0	0	13.5	7.68	0.35	127.6	0.13	267.0	0.22
28-May-24	2454 Armstrong			0	0	13	7.86	0.47	93.7	0.09	197.0	0.20
28-May-24	3465 Cambridge	0	0	0	0	13	7.78	0.82	110.8	0.11	237.0	0.20
28-May-24	1996 Highland	0	0	0	0	14	7.81	0.54	100.5	0.10	211.4	0.21
28-May-24	2339 Garry Oaks			0	0	13	7.52	1.29	183.1	0.18	381.0	0.18
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

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Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

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4-Jun-24	1565 Stone Lake	0	0	0	0	16	7.71	0.82	101.6	0.10	179.9	0.26
4-Jun-24	1639 Marina Way	0	0	0	0	14	8.12	0.87	52.7	0.05	111.5	0.18
4-Jun-24	3427 Tyee	0	0	0	0	16	7.40	0.81	132.5	0.13	276.0	0.20
4-Jun-24	2454 Armstrong	0	0	0	0	15	7.42	0.34	103.3	0.10	217.1	0.21
4-Jun-24	3541 Shelby	0	0	0	0	15	7.34	0.85	134.4	0.13	234.0	0.14
4-Jun-24	2329 Chain	0	0	0	0	14	7.31	0.24	137.3	0.14	287.0	0.19
12-Jun-24	1566 Arbutus	0	0	0	0	15	8.02	0.77	51.9	0.05	109.8	0.29
12-Jun-24	1270 Sea Dog	0	0	0	0	15	8.12	0.86	52.6	0.05	111.7	0.37
12-Jun-24	2315 Ida Lane	0	0	0	0	15	8.13	0.19	50.4	0.05	106.7	0.34
12-Jun-24	2400 Evanshire	0	0	0	0	15	8.16	0.66	49.0	0.05	103.7	0.22
12-Jun-24	3383 Redden	0	0	0	0	15	8.15	0.68	48.8	0.05	103.5	0.28
12-Jun-24	2339 Garry Oak	0	0	0	0	15	8.31	0.65	48.2	0.05	102.1	0.14
18-Jun-24	1358 Madrona	0	0	0	0	14	7.79	0.76	61.9	0.06	130.6	0.17
18-Jun-24	3465 Cambridge	0	0	0	0	15	8.13	0.70	61.8	0.06	130.7	0.20
18-Jun-24	3500 Fairwinds	0	0	0	0	15	8.20	0.73	59.8	0.06	126.4	0.24
18-Jun-24	Florence & Anchor	0	0	0	0	15	8.16	0.44	65.6	0.06	138.9	0.18
18-Jun-24	2259 Higginson	OG	OG	0	0	15	8.20	0.72	53.2	0.05	112.8	0.15
24-Jun-24	2259 Higginson RE			0	0	16	8.16	0.70				0.24
25-Jun-24	3119 Swallow	0	0	0	0	16	7.68	0.47	114.9	0.11	541.0	0.33
25-Jun-24	3465 Cambridge	0	0	0	0	17	7.60	0.97	90.3	0.09	190.0	0.48
25-Jun-24	3383 Redden	0	0	0	0	17	7.62	0.93	91.3	0.09	192.3	0.51
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

OG indicates that the sample contained too many background bacteria to give an accurate count.

Comments:

Iron and Manganese are no longer being tested in-house.

A full potability scan, including metals and minerals, is completed once per year at an external lab.

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

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		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
3-Jul-24	1565 Stonelake	0	0	0	0	15	7.75	0.80	128.7	0.13	269.0	0.32
3-Jul-24	1639 Marina Way	0	0	0	0	16	8.52	0.60	64.7	0.06	136.8	0.23
3-Jul-24	3427 Tyee	0	0	0	0	17	8.73	0.39	65.0	0.06	137.5	0.41
3-Jul-24	2454 Armstrong	0	0	0	0	16	8.78	0.64	64.6	0.06	136.2	0.24
3-Jul-24	3541 Shelby	0	0	0	0	17	8.88	0.69	65.2	0.06	138.2	0.24
3-Jul-24	2329 Chain	0	0	0	0	17	8.94	0.57	65.1	0.06	137.7	0.33
10-Jul-24	1566 Arbutus	0	0	0	0	20	8.57	0.76	76.1	0.08	160.7	0.45
10-Jul-24	2259 Higginson	0	0	0	0	17	8.83	0.65	67.8	0.07	413.2	0.21
10-Jul-24	2315 Ida Lane	0	0	0	0	17	8.92	0.29	73.6	0.07	155.5	0.30
10-Jul-24	2400 Evanshire	0	0	0	0	19	8.69	0.70	83.4	0.08	175.7	0.41
10-Jul-24	3730 Fairwinds	0	0	0	0	19	8.62	0.96	84.3	0.08	177.4	0.46
10-Jul-24	2339 Garry Oak	0	0	0	0	18	8.26	1.24	124.4	0.12	260.0	0.75
16-Jul-24	1358 Madrona	0	0	0	0	n/a	7.68	0.85	80.9	0.08	170.3	0.21
16-Jul-24	1270 Sea Dog	0	0	0	0	n/a	8.32	0.52	70.0	0.07	147.9	0.32
16-Jul-24	NB Elementary			0	0	n/a	7.87	1.07	131.6	0.13	275.0	0.44
16-Jul-24	3500 Fairwinds	0	0	0	0	n/a	8.27	0.64	79.9	0.08	168.5	0.59
16-Jul-24	3541 Shelby	0	0	0	0	n/a	8.40	0.63	79.3	0.08	167.0	0.50
16-Jul-24	Florence & Anchor	0	0	0	0	n/a	8.46	0.57	77.5	0.08	163.4	0.37
23-Jul-24	1566 Arbutus			0	0	18	7.63	0.67	74.0	0.07	156.4	1.02
23-Jul-24	3119 Swallow	0	0	0	0	20	8.27	0.25	80.9	0.08	170.3	0.23
23-Jul-24	2454 Armstrong			0	0	17.5	8.17	0.44	68.3	0.07	144.1	0.22
23-Jul-24	3465 Cambridge	0	0	0	0	19	8.24	0.66	76.7	0.08	161.7	0.22
23-Jul-24	1996 Highland	0	0	0	0	20	8.38	0.52	73.4	0.07	155.1	0.23
23-Jul-24	2339 Garry Oak			0	0	18	7.93	0.79	100.4	0.10	211.6	0.37
31-Jul-24	1566 Arbutus			0	0	19	8.04	0.88	74.5	0.07	156.3	0.23
31-Jul-24	1270 Sea Dog			0	0	19	8.93	0.70	69.0	0.07	145.6	0.18
31-Jul-24	NB Elementary			0	0	19	8.79	0.79	67.0	0.07	141.7	0.13
31-Jul-24	3500 Fairwinds			0	0	19	8.68	0.71	77.4	0.08	163.2	0.18
31-Jul-24	Florence & Anchor			0	0	19	8.12	0.55	92.7	0.09	194.8	0.32
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

Comments:

Iron and Manganese are no longer being tested in-house.

A full potability scan, including metals and minerals, is completed once per year at an external lab.

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from

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		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
7-Aug-24	1566 Stone Lake	0	0	0	0	18	7.74	0.67	84.3	0.08	177.5	0.29
7-Aug-24	1639 Marina Way	0	0	0	0	19	7.77	0.63	80.1	0.08	176.0	0.20
7-Aug-24	3427 Tyee	0	0	0	0	21	7.81	0.67	77.2	0.07	162.8	0.30
7-Aug-24	2454 Armstrong	0	0	0	0	19	8.50	0.44	75.9	0.07	157.1	0.20
7-Aug-24	3541 Shelby	0	0	0	0	19	8.60	0.72	73.9	0.06	155.3	0.25
7-Aug-24	2329 Chain Way	0	0	0	0	19	8.66	0.77	66.0	0.07	139.3	0.18
14-Aug-24	1566 Arbutus	0	0	0	0	19	7.54	0.91	73.7	0.06	155.5	0.29
14-Aug-24	2259 Higginson	0	0	0	0	18	7.91	0.63	62.4	0.00	132.0	0.30
14-Aug-24	2454 Armstrong	0	0	0	0	19	8.44	0.32	4.4	0.06	9.4	0.23
14-Aug-24	2400 Evanshire	0	0	0	0	20	8.41	0.55	63.4	0.06	134.0	0.25
14-Aug-24	3383 Redden	0	0	0	0	21	8.56	0.61	62.5	0.06	132.1	0.23
14-Aug-24	2339 Garry Oak	0	0	0	0	19	8.55	0.77	63.0	0.06	133.2	0.20
21-Aug-24	1358 Madrona	0	0	0	0	18	7.55	0.80	67.3	0.07	136.2	0.42
21-Aug-24	1270 Sea Dog	0	0	0	0	19	8.13	0.73	62.5	0.06	136.6	0.19
21-Aug-24	NB Elementary	0	0	0	0	18	8.20	0.97	63.0	0.06	134.1	0.25
21-Aug-24	3730 Fairwinds	0	0	0	0	20	8.07	0.51	63.2	0.06	133.0	0.22
21-Aug-24	3500 Fairwinds	0	0	0	0	22	8.03	0.85	64.5	0.06	136.7	0.22
21-Aug-24	Florence & Anchor	0	0	0	0	19	7.07	0.49	91.4	0.09	192.0	0.25
26-Aug-24	1566 Arbutus			0	0	18	7.71	1.14	78.5	0.08	165.2	1.02
26-Aug-24	3119 Swallow	0	0	0	0	19	8.18	0.19	68.7	0.07	145.0	0.17
26-Aug-24	2454 Armstrong			0	0	18	8.46	0.42	72.9	0.07	154.5	0.16
26-Aug-24	3465 Cambridge			0	0	18	8.47	0.82	36.9	0.04	84.4	0.20
26-Aug-24	1996 Highland	0	0	0	0	20	8.50	0.59	71.4	0.07	151.0	0.26
26-Aug-24	2339 Garry Oak			0	0	18	8.64	0.89	70.4	0.07	149.0	0.26
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

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Comments:

Iron and Manganese are no longer being tested in-house.

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Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.

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		BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
Date	Sample Location (Address)	E. coli *	Total Coliform *	E.coli *	Total Coliform *	Temp. (°C)	pH	Free Chlorine Residual (mg/L)	Total Dissolved Solids (mg/L)	Salinity (%)	Conductivity (µS/cm)	Turbidity (NTU)
3-Sep-24	1565 Stone Lake	0	0	0	0	18	8.28	0.87	99.3	0.10	208.9	0.23
3-Sep-24	1639 Marina Way	0	0	0	0	18	8.67	0.83	67.4	0.07	142.9	0.20
3-Sep-24	3427 Tyee	0	0	0	0	19	8.69	0.78	67.6	0.07	142.7	0.22
3-Sep-24	2454 Armstrong	0	0	0	0	18	8.92	0.40	69.3	0.07	142.2	0.25
3-Sep-24	3465 Cambridge	0	0	0	0	18	8.91	0.90	67.5	0.07	142.6	0.24
3-Sep-24	2329 Chain	0	0	0	0	18	8.91	0.91	68.0	0.07	142.0	0.19
9-Sep-24	1566 Arbuts	0	0	0	0	18	7.88	1.05	84.6	0.08	178.1	0.23
9-Sep-24	2259 Higginson	0	0	0	0	18	8.20	0.94	70.1	0.07	147.1	0.20
9-Sep-24	2315 Ida Lane	0	0	0	0	19	8.25	0.74	75.3	0.07	153.1	0.34
9-Sep-24	2400 Evanshire	0	0	0	0	18	8.31	0.97	80.1	0.07	155.1	0.19
9-Sep-24	3383 Redden	0	0	0	0	18	8.34	0.93	81.9	0.07	157.2	0.17
9-Sep-24	2339 Garry Oak	0	0	0	0	19	8.30	1.02	82.0	0.07	155.9	0.33
CDN Drinking Water Guidelines		<1	<1	<1	<1	n/a	7.0-10.5	n/a	500	n/a	n/a	n/a

Legend:

*** Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)**

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Comments:

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Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.