



Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2025 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)
Jan-8-25	1565 Stone Lake	0	0	0	0	10	-	1.1.9	75.9	0.08	160.0	0.24
Jan-8-25	1639 Marina Way	0	0	0	0	7.7	-	0.94	40.8	0.04	86.4	0.16
Jan-8-25	3427 Tyee	0	0	0	0	8	-	0.51	37.1	0.04	78.6	0.23
Jan-8-25	2315 Ida Lane	0	0	0	0	9.9	-	0.55	42.6	0.04	90.2	0.39
Jan-8-25	3495 Cambridge	0	0	0	0	8	-	0.87	39.0	0.04	83.2	0.17
Jan-8-25	3730 Fairwinds	0	0	0	0	7.8	-	0.71	38.7	0.04	81.8	0.15
Jan-8-25	2329 Chain	0	0	0	0	7.4	-	0.31	39.6	0.04	84.4	0.33
15-Jan-25	1566 Arbutus	0	0	0	0	9.1	-	0.97	51.5	0.05	107.9	0.25
15-Jan-25	2259 Higginson	0	0	0	0	8.4	-	0.99	42.1	0.04	89.5	0.38
15-Jan-25	2454 Armstrong	0	0	0	0	8.8	-	0.88	44.0	0.04	93.3	0.18
15-Jan-25	3541 Shelby	0	0	0	0	7.9	-	0.88	41.6	0.04	88.5	0.13
15-Jan-25	3500 Fairwinds	0	0	0	0	7.5	-	0.94	41.8	0.04	88.9	0.31
15-Jan-25	2339 Garry Oak	0	0	0	0	7.9	-	1.01	42.5	0.04	90.0	0.12
20-Jan-25	1358 Madrona	0	0	0	0	8	8.62	1.01	80.6	0.08	169.4	0.11
20-Jan-25	1270 Sea Dog	0	0	0	0	7	8.86	0.78	43.7	0.04	92.8	0.28
20-Jan-25	3383 Redden	0	0	0	0	8	9.35	0.81	62.4	0.06	131.7	0.22
20-Jan-25	1966 Highland	0	0	0	0	8	9.43	0.74	70.4	0.07	148.7	0.19
20-Jan-25	Florence & Anchor	0	0	0	0	8	9.26	0.43	46.3	0.05	98.1	0.14
28-Jan-25	1566 Arbutus			0	0	8	8.55	1.11	52.3	0.05	111.6	0.22
28-Jan-25	3119 Swallow	0	0	0	0	6	8.86	0.47	49.0	0.05	103.9	0.14
28-Jan-25	2454 Armstrong			0	0	7	9.38	0.75	131.8	0.13	273.0	0.14
28-Jan-25	2400 Evanshire	0	0	0	0	7	9.60	1.00	169.9	0.17	355.0	0.13
28-Jan-25	2339 Garry Oak			0	0	7	9.66	1.29	177.9	0.18	370.0	0.13
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 - 2025 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
		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)
4-Feb-25	1565 Stone lake			0	0	8	-	1.18	73.9	0.07	155.0	0.18
4-Feb-25	1639 Marina Way			0	0	6	-	1.03	54.7	0.05	115.9	0.27
4-Feb-25	3427 Tye			0	0	7	-	0.71	36.0	0.04	76.3	0.26
4-Feb-25	2315 Ida Lane			0	0	8	-	1.09	172.2	0.17	358.0	0.28
4-Feb-25	3465 Cambridge	n/a	n/a	frozen	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Feb-25	3730 Fairwinds	n/a	n/a	frozen	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Feb-25	2329 Chain Way			0	0	5	-	0.52	121.9	0.12	256.0	0.17
	1270 Sea dog											
	2315 Ida Lane											
	2400 Evanshire											
	3383 Redden											
	2339 Garry Oak											
	1358 Madrona											
	1639 Marina Way											
	NB Elementry											
	3730 Fairwinds											
	3500 Fairwinds											
	Florence & Anchor											
	1566 Arbutus											
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 - 2025 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-25	1565 Stone Lake	0	0	0	0	10	8.18	1.21	107.2	0.11	225.0	0.15
5-Mar-25	1639 Marina Way	0	0	0	0	8	8.86	0.88	41.8	0.04	88.8	0.13
5-Mar-25	3427 Tyee	0	0	0	0	8	8.95	0.49	174.0	0.17	362.0	0.10
5-Mar-25	2315 Ida Lane	0	0	0	0	9	8.72	0.89	195.0	0.19	405.0	0.20
5-Mar-25	3465 Cambridge	0	0	0	0	9	8.80	0.91	175.9	0.18	367.0	0.15
5-Mar-25	3500 Fairwinds	0	0	0	0	9	8.77	0.87	173.9	0.17	362.0	0.14
5-Mar-25	2329 Chain	0	0	0	0	8	8.82	0.58	178.5	0.18	372.0	0.24
11-Mar-25	1566 Arbutus	0	0	0	0	9	7.75	0.89	85.3	0.08	179.3	0.18
11-Mar-25	2259 Higginson	0	0	0	0	8	8.45	0.75	59.1	0.06	124.8	0.16
11-Mar-25	2454 Armstrong	0	0	0	0	8	8.30	0.79	56.7	0.06	120.0	0.24
11-Mar-25	2400 Evanshire	0	0	0	0	9	8.62	0.95	187.4	0.19	388.0	0.13
11-Mar-25	3383 Redden	0	0	0	0	9	8.83	0.67	179.2	0.18	373.0	0.12
11-Mar-25	2339 Garry Oak	0	0	0	0	8	8.69	0.96	171.1	0.17	356.0	0.18
19-Mar-25	1358 Madrona Dr	0	0	0	0	9	8.15	0.80	73.5	0.07	155.4	0.14
19-Mar-25	1270 Sea Dog	0	0	0	0	9	8.72	0.43	126.8	0.13	266.0	0.32
19-Mar-25	NB Elementary			0	0	9	8.59	0.85	120.1	0.12	252.0	0.18
19-Mar-25	1639 Marina Way	0	0	0	0	8	8.90	0.76	42.8	0.04	90.9	0.12
19-Mar-25	1996 Highland	0	0	0	0	9	8.76	0.59	184.5	0.18	383.0	0.18
19-Mar-25	Florence & Anchor	0	0	0	0	8	8.71	0.44	175.1	0.17	364.0	0.33
26-Mar-25	1566 Arbutus	0	0	0	0	9	8.58	0.91	75.0	0.07	158.0	0.31
26-Mar-25	3119 Swallow	0	0	0	0		8.84	0.34	166.0	0.17	346.0	0.18
26-Mar-25	2339 Garry Oak	0	0	0	0	8	8.79	0.45	173.0	0.17	359.0	0.38
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 - 2025 Monthly Report

Date	Sample Location (Address)	BC Centre for Disease Control		RDN In-House Laboratory and Spectrophotometer								
		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)
8-Apr-25	1565 Stone lake	0	0	0	0	10.8	7.92	0.62	116.7	0.12	245.0	0.19
8-Apr-25	2259 Higginson	0	0	0	0	8.8	8.92	0.91	46.2	0.05	98.3	0.12
8-Apr-25	2454 Armstrong	0	0	0	0	9.3	8.45	0.99	136.5	0.14	286.0	0.18
8-Apr-25	3541 Shelby	0	0	0	0	9.5	8.40	1.04	186.3	0.19	388.0	0.24
8-Apr-25	3730 Fairwinds	0	0	0	0	10.6	8.38	1.06	183.9	0.18	383.0	0.56
8-Apr-25	2339 Garry Oak	0	0	0	0	9.5	8.16	1.11	155.3	0.15	325.0	0.15
16-Apr-25	1358 Madrona	0	0	0	0	10	8.59	0.33	94.3	0.09	198.6	0.21
16-Apr-25	1639 Marina Way	0	0	0	0	10	8.89	0.76	39.7	0.04	84.5	0.16
16-Apr-25	3427 Tyee	0	0	0	0	10	8.27	0.90	166.8	0.17	348.0	0.17
16-Apr-25	2315 Ida Lane	0	0	0	0	10	8.65	0.65	114.8	0.11	241.0	0.24
16-Apr-25	3383 Redden	0	0	0	0	11	8.26	0.95	166.1	0.17	346.0	0.20
16-Apr-25	3465 Cambridge	0	0	0	0	10	8.20	1.00	168.9	0.17	351.0	0.19
16-Apr-25	Florence & Anchor	0	0	0	0	10	8.11	1.02	177.5	0.18	369.0	0.19
22-Apr-25	1566 Arbutus	0	0	0	0	12	8.32	0.63	80.4	0.08	169.5	0.10
22-Apr-25	3119 Swallow	0	0	0	0	9.5	8.17	0.78	148.7	0.15	313.0	0.17
22-Apr-25	NWB Elementary			0	0	11.1	7.86	0.99	154.3	0.15	322.0	0.25
22-Apr-25	2400 Evanshire	0	0	0	0	11	8.14	1.15	141.3	0.14	296.0	0.18
22-Apr-25	2329 Chain	0	0	0	0	9.8	7.74	0.67	162.5	0.16	340.0	0.15
30-Apr-25	1565 Stone Lake			0	0	12.3	7.85	1.20	103.6	0.10	217.8	0.18
30-Apr-25	1270 Sea Dog			0	0	12	8.69	0.90	49.9	0.10	105.8	0.17
30-Apr-25	NWB Elementary			0	0	11	7.97	1.11	127.1	0.13	266.0	0.25
30-Apr-25	1996 Highlands			0	0	13	8.15	0.96	141.0	0.14	295.0	0.19
30-Apr-25	3500 Fairwinds			0	0	12	8.23	1.25	148.6	0.15	310.0	0.12
30-Apr-25	Florence & Anchor			0	0	11.5	7.84	0.83	145.3	0.14	304.0	0.16
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 - 2025 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)
6-May-25	1566 Arbuts	0	0	0	0	13	8.44	0.91	53.2	0.05	113.0	0.43
6-May-25	1270 Seadog	0	0	0	0	12	8.80	0.79	46.0	0.05	98.0	0.17
6-May-25	3427 Tyee	0	0	0	0	13	8.09	1.20	160.0	0.16	332.0	0.30
6-May-25	2315 Ida Lane	0	0	0	0	13	8.52	0.75	94.0	0.09	197.0	0.40
6-May-25	3465 Cambridge	0	0	0	0	13	8.05	1.28	163.0	0.16	340.0	0.18
6-May-25	3500 Fairwinds	0	0	0	0	12	8.00	1.03	162.0	0.16	338.0	0.33
6-May-25	2329 Chain	0	0	0	0	12	7.69	0.61	147.0	0.15	307.0	0.32
14-May-25	1565 Stonelake			0	0	13	8.86	0.81	50.0	0.05	107.0	0.24
14-May-25	2259 Higginson			0	0	12	8.87	0.84	50.0	0.05	106.0	0.19
14-May-25	2454 Armstrong			0	0	12	8.66	0.83	69.0	0.07	146.0	0.27
14-May-25	3541 Shelby			0	0	13	7.70	1.25	168.0	0.17	349.0	0.21
14-May-25	3730 Fairwinds			0	0	13	7.49	1.17	97.0	0.10	201.0	0.22
14-May-25	2339 Garry Oaks			0	0	12	7.80	1.30	33.0	0.03	71.0	0.17
21-May-25	1358 Madrona			0	0	13	8.52	0.62	72.1	0.07	152.1	0.19
21-May-25	1639 Marina Way			0	0	12	8.67	0.84	47.5	0.05	100.6	0.17
21-May-25	NWB Elementary			0	0	12	8.01	1.22	121.8	0.12	256.0	0.21
21-May-25	3383 Redden			0	0	14	7.78	1.21	172.3	0.17	358.0	0.25
21-May-25	1996 Highland			0	0	14	7.88	1.08	169.4	0.17	352.0	0.17
21-May-25	Florence & Anchor			0	0	12	7.83	0.97	156.4	0.16	327.0	0.24
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.