



Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2016 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
2-Nov-16	1358 Madrona	0	0	0	0	14	7.34	1.18	181.1	0.18	372.0	0.01	0.073
2-Nov-16	3427 Tye	0	0	0	0	12	7.35	0.24	202.7	0.20	422.0	0.07	0.032
2-Nov-16	1270 Sea Dog	0	0	0	0	12	7.18	0.98	170.9	0.17	356.0	0.12	0.048
2-Nov-16	2454 Armstrong	0	0	0	0	13	7.24	0.51	209.5	0.21	434.0	0.13	0.036
2-Nov-16	3500 Fairwinds	0	0	0	0	11	7.31	0.98	206.0	0.21	428.0	0.12	0.034
2-Nov-16	1996 Highland	0	0	0	0	12	7.29	0.45	207.5	0.21	430.0	0.05	0.017
2-Nov-16	Florence & Anchor	0	0	0	0	12	7.35	0.25	193.9	0.19	403.0	0.16	0.027
9-Nov-16	1565 Stonelake	0	0	0	0	13	7.31	0.59	183.6	0.18	381.0		
9-Nov-16	2359 Higginson	0	0	0	0	12	7.35	0.44	175.3	0.17	365.0		
9-Nov-16	2315 Ida Lane	0	0	0	0	14	7.27	0.40	215.0	0.21	446.0		
9-Nov-16	lot 54 Evanshire	0	0	0	0	12	7.36	0.85	209.3	0.21	434.0		
9-Nov-16	3383 Redden	0	0	0	0	12	7.27	0.59	209.6	0.21	434.0		
9-Nov-16	2339 Garry Oak	0	0	0	0	12	7.22	1.10	209.9	0.21	435.0		
15-Nov-16	1566 Arbutus	0	0	0	0		7.31	0.32	183.1	0.18	380.0		
15-Nov-16	Lot 51 Swallow	0	0	0	0		7.20	0.31	209.2	0.21	434.0		
15-Nov-16	NB Elementary			0	0		7.20	1.59	209.0	0.21	433.0		
15-Nov-16	3730 Fairwinds	0	0	0	0		7.26	1.11	210.0	0.21	435.0		
15-Nov-16	3541 Shelby	0	0	0	0		7.29	1.15	209.0	0.21	434.0		
15-Nov-16	2329 Chain	0	0	0	0		7.24	0.39	201.7	0.20	419.0		
23-Nov-16	1358 Madrona			0	0	10	7.50	0.49	213.2	0.21	442.0		
23-Nov-16	1639 Marina	0	0	0	0	9	7.21	1.22	210.0	0.21	43.5		
23-Nov-16	2454 Armstrong			0	0	10	7.21	0.77	211.0	0.21	438.0		
23-Nov-16	3465 Cambridge	0	0	0	0	10	7.30	1.03	207.0	0.21	430.0		
23-Nov-16	Florence & Anchor			0	0	9	7.26	1.01	207.0	0.21	429.0		
28-Nov-16	1565 Stonelake			0	0	11	7.05	0.87	211.9	0.21	440.0		
28-Nov-16	2359 Higginson			0	0	10	7.05	0.81	210.0	0.21	435.0		
28-Nov-16	2315 Ida Lane			0	0	12	7.15	0.42	212.5	0.21	441.0		
28-Nov-16	3383 Redden			0	0	11	7.16	0.36	210.0	0.21	435.0		
28-Nov-16	2339 Garry Oak			0	0	11	7.10	1.13	210.7	0.21	437.0		
	Average	0	0	0	0	11.5	7.3	0.74	203.4	0.2	408.5	0.09	0.038
	Maximum	0	0	0	0	14	7.5	1.59	215	0.21	446	0.16	0.073
	Minimum	0	0	0	0	9	7.05	0.24	170.9	0.17	43.5	0.01	0.017

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:
Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



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Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
5-Oct-16	1566 Arbutus	0	0	0	0	13	7.11	0.38	87.2	0.09	182.9	0.03	0.022
5-Oct-16	3427 Tyee	0	0	0	0	13	7.18	0.02	113.8	0.11	239.0	0.09	0.037
5-Oct-16	1270 Sea Dog	0	0	0	0	12	6.98	0.31	75.3	0.07	158.6	0.05	0.000
5-Oct-16	2315 Ida Lane	0	0	0	0	14	7.27	0.20	141.2	0.14	295.0	0.07	0.028
5-Oct-16	3500 Fairwinds	0	0	0	0	11	7.22	0.67	154.0	0.15	321.0	0.06	0.012
5-Oct-16	1996 Highland	0	0	0	0	14.5	7.25	0.43	163.8	0.16	341.0	0.03	0.009
5-Oct-16	2329 Chain	0	0	0	0	10	7.16	1.09	164.6	0.16	343.0	0.07	0.010
11-Oct-16	1358 Madrona	0	0	0	0	16	7.29	0.20	143.0	0.14	299.0		
11-Oct-16	2359 Higginson	0	0	0	0	14	6.95	0.17	102.8	0.10	216.1		
11-Oct-16	2454 Armstrong	0	0	0	0	16	7.19	0.06	120.0	0.12	251.0		
11-Oct-16	Lot 54 Evanshire	0	0	0	0	14	7.21	0.63	172.1	0.17	359.0		
11-Oct-16	3383 Redden	0	0	0	0	15	7.23	0.27	157.1	0.16	328.0		
11-Oct-16	Florence & Anchor	0	0	0	0	13	7.16	0.83	180.6	0.18	376.0		
19-Oct-16	1565 Stonelake	0	0	0	0	12	7.16	0.64	180.8	0.18	376.0		
19-Oct-16	Lot 51 Swallow	0	0	0	0	10	7.11	0.38	168.3	0.17	350.0		
19-Oct-16	NB Elementary			0	0	10	7.22	1.43	205.6	0.20	427.0		
19-Oct-16	3730 Fairwinds	0	0	0	0	12	7.28	0.80	198.5	0.20	412.0		
19-Oct-16	3541 Shelby	0	0	0	0	11	7.35	0.87	199.7	0.20	415.0		
19-Oct-16	2339 Garry Oak	0	0	0	0	10	7.25	1.26	204.0	0.20	422.0		
25-Oct-16	1566 Arbutus			0	0	11	7.08	0.79	175.7	0.17	366.0		
25-Oct-16	1639 Marina	0	0	0	0	10	7.01	0.82	172.3	0.17	359.0		
25-Oct-16	2315 Ida Lane			0	0	13	7.21	0.24	190.9	0.19	397.0		
25-Oct-16	3465 Cambridge	0	0	0	0	10	7.28	1.03	204.0	0.20	422.0		
25-Oct-16	2329 Chain			0	0	9	7.21	0.34	185.1	0.18	385.0		
	Average	0	0	0	0	12.2	7.2	0.58	160.9	0.16	335.0	0.06	0.017
	Maximum	0	0	0	0	16	7.35	1.43	205.6	0.20	427	0.09	0.037
	Minimum	0	0	0	0	9	6.95	0.02	75.3	0.07	158.6	0.03	0.000

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Yellow Column Coliform tests are completed by Health Department

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Comments:

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		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)	Total Iron (mg/L)	Manganese (mg/L)
7-Sep-16	1565 Stonelake	0	0	0	0	17	7.15	0.38	103.8	0.10	218.0	0.03	0.013
7-Sep-16	3427 Tyee	0	0	0	0	18	7.19	0.03	74.1	0.07	156.2	0.04	0.018
7-Sep-16	1270 Sea Dog	0	0	0	0	17	7.29	0.47	77.2	0.08	162.9	0.02	0.018
7-Sep-16	2454 Armstrong	0	0	0	0	18	7.15	0.56	150.8	0.15	315.0	0.06	0.008
7-Sep-16	3500 Fairwinds	0	0	0	0	15	7.37	0.94	180.1	0.18	375.0	0.07	0.016
7-Sep-16	1996 Highland	0	0	0	0	18	7.40	0.70	187.7	0.18	387.0	0.03	0.011
7-Sep-16	2339 Garry Oak	0	0	0	0	14	7.09	1.54	203.0	0.20	421.0	0.12	0.013
13-Sep-16	1566 Arbutus	0	0	0	0	16	7.11	0.54	73.8	0.07	155.7		
13-Sep-16	2359 Higginson	0	0	0	0	17	7.03	0.55	69.7	0.07	147.1		
13-Sep-16	2315 Ida Lane	0	0	0	0	18	7.29	0.31	119.5	0.12	250.0		
13-Sep-16	Lot 54 Evanshire	0	0	0	0	14	7.34	1.09	179.1	0.18	373.0		
13-Sep-16	3383 Redden	0	0	0	0	17	7.37	0.88	162.5	0.16	339.0		
13-Sep-16	2329 Chain	0	0	0	0	14	7.37	0.40	168.1	0.17	350.0		
21-Sep-16	1358 Madrona	0	0	0	0	14	7.26	0.38	95.2	0.09	199.8		
21-Sep-16	Lot 51 Swallow	0	0	0	3	15	7.29	0.00	167.3	0.17	349.0		
21-Sep-16	NB Elementary			0	0	9	7.21	1.79	204.0	0.20	423.0		
21-Sep-16	3730 Fairwinds	0	0	0	0	14	7.30	0.92	190.7	0.19	396.0		
21-Sep-16	3541 Shelby	0	0	0	0	12	7.34	1.06	194.4	0.19	404.0		
21-Sep-16	Florence & Anchor	0	0	0	0	12	7.29	0.57	173.0	0.17	360.0		
28-Sep-16	1565 Stonelake			0	0	14	7.09	0.57	113.4	0.11	238.0		
28-Sep-16	1639 Marina	0	0	0	0	13	6.94	0.76	72.1	0.07	151.9		
28-Sep-16	2454 Armstrong			0	0	14	7.11	0.48	148.7	0.15	310.0		
28-Sep-16	3465 Cambridge	0	0	0	0	11	7.23	0.99	159.2	0.16	330.0		
28-Sep-16	2339 Garry Oak			0	0	11	7.23	1.39	173.7	0.17	362.0		
	Average	0	0	0	0.13	14.7	7.2	0.72	143.4	0.14	298.9	0.05	0.014
	Maximum	0	0	0	3	18	7.4	1.79	204	0.20	423	0.12	0.018
	Minimum	0	0	0	0	9	6.94	0.00	69.7	0.07	147.1	0.02	0.008

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3-Aug-16	1566 Arbutus	0	0	0	0	17	6.87	0.75	70.8	0.07	148.9	0.02	0.013
3-Aug-16	3427 Tyee	0	0	0	0	20	7.08	0.35	158.4	0.16	330.0	0.04	0.010
3-Aug-16	1270 Sea Dog	0	0	0	0	19	7.02	0.65	71.5	0.07	151.0	0.04	0.000
3-Aug-16	2454 Armstrong	0	0	0	0	17	7.13	0.40	130.5	0.13	273.0	0.13	0.010
3-Aug-16	3500 Fairwinds	0	0	0	0	16	7.06	1.02	146.1	0.14	305.0	0.07	0.013
3-Aug-16	1996 Highland	0	0	0	0	20	7.22	0.68	166.3	0.16	346.0	0.28	0.083
3-Aug-16	2329 Chain Way	0	0	0	0	15	7.22	0.48	173.0	0.17	360.0	0.08	0.016
10-Aug-16	1358 Madrona	0	0	0	0	18	7.10	0.61	92.9	0.09	195.4		
10-Aug-16	2359 Higginson	0	0	0	0	17	7.13	0.58	71.8	0.07	151.5		
10-Aug-16	2315 Ida Lane	0	0	0	0	18	7.11	0.53	119.8	0.12	251.0		
10-Aug-16	Lot 54 Evanshire	0	0	0	0	17	7.14	0.75	154.4	0.15	323.0		
10-Aug-16	3383 Redden	0	0	0	0	20	7.04	0.86	157.4	0.16	328.0		
10-Aug-16	Florence & Anchor	0	0	0	0	16	7.18	1.39	187.7	0.19	390.0		
17-Aug-16	1565 Stonelake	0	0	0	0	18	7.33	0.39	99.4	0.10	208.2		
17-Aug-16	Lot 51 Swallow	0	0	0	0	19	7.16	0.04	162.7	0.16	333.0		
17-Aug-16	NB Elementary			0	0	13	7.18	1.10	160.9	0.16	335.0		
17-Aug-16	3730 Fairwinds	0	0	0	0	16	7.22	0.79	170.6	0.17	355.0		
17-Aug-16	3541 Shelby	0	0	0	0	16	7.25	0.81	170.3	0.17	354.0		
17-Aug-16	2339 Garry Oak	0	0	0	0	14	7.20	1.09	198.8	0.20	413.0		
24-Aug-16	1566 Arbutus			0	0	19	6.96	0.68	68.8	0.07	145.3		
24-Aug-16	1639 Marina Way	0	0	0	0	19	7.06	0.82	65.2	0.06	137.8		
24-Aug-16	2454 Armstong			0	0	19	6.97	0.34	123.2	0.12	258.0		
24-Aug-16	3465 Cambridge	0	0	0	0	18	7.21	0.92	157.7	0.16	239.0		
24-Aug-16	2329 Chain Way			0	0	17	6.94	0.47	158.4	0.16	330.0		
29-Aug-16	1358 Madrona			0	0	15	6.88	0.55	80.5	0.08	169.3		
29-Aug-16	Lot 51 Swallow			0	0	16.5	6.99	0.05	167.0	0.17	348.0		
29-Aug-16	2315 Ida Lane			0	0	16.5	7.15	0.50	122.7	0.12	256.0		
29-Aug-16	3383 Redden			0	0	15.5	7.16	0.94	162.9	0.16	339.0		
29-Aug-16	Florence & Anchor			0	0	14.5	7.16	0.43	157.6	0.16	328.0		
	Average	0	0	0	0	17.1	7.1	0.65	135.4	0.1	279.4	0.09	0.021
	Maximum	0	0	0	0	20	7.33	1.39	198.8	0.2	413	0.28	0.083
	Minimum	0	0	0	0	13	6.87	0.04	65.2	0.06	137.8	0.02	0

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Yellow Column Coliform tests are completed by Health Department

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Comments:

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		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)	Total Iron (mg/L)	Manganese (mg/L)
6-Jul-16	1565 Stonelake	0	0	0	0	17	6.93	1.18	90.5	0.09	190.5	0.03	0.007
6-Jul-16	3427 Tyee	0	0	0	0	17	7.17	0.33	173.6	0.17	361.0	0.05	0.023
6-Jul-16	1273 Sea Dog	0	0	0	0	17	7.03	1.11	57.6	0.06	122.1	0.04	0.000
6-Jul-16	2315 Ida Lane	0	0	0	0	17	7.14	0.58	132.5	0.13	277.0	0.18	0.026
6-Jul-16	3500 Fairwinds	0	0	0	0	14	7.26	0.90	169.9	0.17	354.0	0.14	0.029
6-Jul-16	1996 Highlands	0	0	0	0	17	7.30	0.67	176.0	0.17	365.0	0.06	0.004
6-Jul-16	2339 Garry Oak	0	0	0	0	14	7.29	1.29	194.6	0.19	404.0	0.13	0.025
13-Jul-16	1566 Arbutus	0	0	0	4	16.5	6.84	0.42	56.8	0.06	123.8		
13-Jul-16	2359 Higginson	0	0	0	14	15.5	6.97	0.23	54.3	0.05	114.9		
13-Jul-16	2454 Armstrong	0	0	0	0	16	6.98	0.20	88.4	0.09	186.8		
13-Jul-16	Lot 54 Evanshire	0	0	0	0	14.5	7.15	0.97	164.2	0.16	342.0		
13-Jul-16	3383 Redden	0	0	0	0	17.5	7.15	0.46	147.3	0.15	307.0		
13-Jul-16	2329 Chain	0	0	0	0	14.5	7.02	0.35	139.8	0.14	304.0		
19-Jul-16	1358 Madrona	0	0	0	0		7.14	0.51	115.2	0.11	242.0		
19-Jul-16	Lot 51 Swallow	0	0	0	0		7.19	0.06	168.2	0.17	350.0		
19-Jul-16	NB Elementary			0	0		7.20	1.25	151.7	0.15	317.0		
19-Jul-16	3730 Fairwinds	0	0	0	0		7.42	1.01	178.8	0.18	372.0		
19-Jul-16	3541 Shelby	0	0	0	0		7.40	1.08	177.6	0.18	369.0		
19-Jul-16	Florence & Anchor	0	0	0	0		7.33	0.55	149.9	0.15	313.0		
27-Jul-16	1565 Stonelake			0	0	18	7.02	0.47	99.9	0.10	209.9		
27-Jul-16	1639 Marina	0	0	0	0	18	6.95	0.76	77.5	0.05	163.3		
27-Jul-16	2315 Ida Lane			0	0	18	7.14	0.66	144.8	0.14	302.0		
27-Jul-16	3465 Cambridge	0	0	0	0	15	7.25	0.93	165.4	0.16	344.0		
27-Jul-16	Garry Oak			0	0	14	7.20	1.49	197.1	0.20	410.0		
	Average	0	0	0	0.75	16.1	7.1	0.73	136.3	0.1	285.2	0.09	0.016
	Maximum	0	0	0	14	18	7.42	1.49	197.1	0.2	410	0.18	0.029
	Minimum	0	0	0	0	14	6.84	0.06	54.3	0.05	114.9	0.03	0

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Yellow Column Coliform tests are completed by Health Department

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Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

Total coliforms can be an indicator of adverse water quality if the result in the resample is positive (US Environmental Protection Agency). RDN water samples are always tested for E.coli coliform bacteria at the same time as total coliforms to rule out the presence of harmful pathogens. If background bacteria (BG), total or E.coli bacteria are detected location is resampled. If the bacteria test is overgrown (OG) location is also resampled.



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8-Jun-16	1358 Madrona	0	0	0	0	15	7.16	0.45	68.1	0.07	143.7	0.02	0.027
8-Jun-16	3427 Tyee	0	0	0	0	16	7.36	0.57	156.7	0.16	327.0	0.04	0.036
8-Jun-16	1270 Sea Dog	0	0	0	0	17	7.30	0.40	59.5	0.06	125.8	0.04	0.010
8-Jun-16	2454 Armstrong	0	0	0	0	14	7.23	0.41	96.2	0.10	202.1	0.09	0.024
8-Jun-16	3500 Fairwinds	0	0	0	0	15	7.32	0.93	159.9	0.16	333.0	0.07	0.025
8-Jun-16	1996 Highland	0	0	0	0	17	7.34	0.69	160.3	0.16	334.0	0.07	0.022
8-Jun-16	Florence & Anchor	0	0	0	0	15	7.30	0.34	157.5	0.16	328.0	0.07	0.031
15-Jun-16	1565 Stonelake	0	0	0	0	15	6.94	0.57	95.6	0.09	201.9		
15-Jun-16	2359 Higginson	0	0	0	0	15	7.01	0.36	63.5	0.06	134.3		
15-Jun-16	2315 Ida Lane	0	0	0	0	16	7.39	0.34	116.5	0.12	244.0		
15-Jun-16	Lot 54 Evanshire	0	0	0	0	14	7.37	0.92	156.0	0.15	326.0		
15-Jun-16	3383 Redden	0	0	0	0	17	7.31	0.68	162.4	0.16	338.0		
15-Jun-16	2339 Garry Oak	0	0	0	0	14	7.27	0.99	150.6	0.15	314.0		
22-Jun-16	1566 Arbutus	0	0	0	0	16	7.14	0.53	75.0	0.07	157.9		
22-Jun-16	Lot 51, Swallow	0	0	0	4	16	7.41	0.02	174.2	0.17	362.0		
22-Jun-16	NB Elementary			0	0	14	7.32	1.14	131.7	0.13	275.0		
22-Jun-16	3730 Fairwinds	0	0	0	0	14	7.29	1.08	189.6	0.19	394.0		
22-Jun-16	3541 Shelby	0	0	0	0	14	7.34	0.96	187.4	0.19	390.0		
22-Jun-16	2329 Chain Way	0	0	0	0	14	7.12	1.01	139.8	0.14	292.0		
28-Jun-16	1358 Madrona			0	0	17	7.03	0.59	87.8	0.09	184.9		
28-Jun-16	1639 Marina	0	0	0	0	16	6.96	0.59	65.1	0.06	137.5		
28-Jun-16	2454 Armstrong			0	0	17	7.09	0.84	162.1	0.16	338.0		
28-Jun-16	3465 Cambridge	0	0	0	0	16	7.17	0.98	159.5	0.16	333.0		
28-Jun-16	Florence & Anchor			0	0	14	7.17	1.15	168.5	0.17	351.0		
	Average	0	0	0	0.17	15.3	7.2	0.69	131.0	0.1	273.6	0.06	0.025
	Maximum	0	0	0	4	17	7.41	1.15	189.6	0.19	394	0.09	0.036
	Minimum	0	0	0	0	14	6.94	0.02	59.5	0.06	125.8	0.02	0.010

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

Total coliforms can be an indicator of adverse water quality if the result in the resample is positive (US Environmental Protection Agency). RDN water samples are always tested for E.coli coliform bacteria at the same time as total coliforms to rule out the presence of harmful pathogens. If background bacteria (BG), total or E.coli bacteria are detected location is resampled. If the bacteria test is overgrown (OG) location is also resampled.



Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2016 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
3-May-16	1565 Stonelake	0	0	0	0	13	7.15	0.42	143.2	0.14	297.0		
3-May-16	2359 Higginson	0	0	0	0	13	7.10	0.35	79.9	0.08	169.1		
3-May-16	2454 Armstrong	0	0	0	0	12	7.18	0.27	119.4	0.12	250.0		
3-May-16	Lot 54 Evanshire	0	0	0	0	14	7.32	0.78	180.0	0.18	375.0		
3-May-16	1996 Highland	0	0	0	0	14	7.32	0.68	182.1	0.18	378.0		
3-May-16	2339 Garry Oak	0	0	0	0	13	7.31	0.48	197.4	0.20	410.0		
11-May-16	1566 Arbutus	0	0	0	0	13	7.12	0.70	61.1	0.06	129.3	0.03	0.046
11-May-16	Lot 51 Swallow	0	0	0	0	12	7.19	0.04	165.7	0.16	335.0	0.04	0.014
11-May-16	1270 Sea Dog	0	0	0	0	13	7.13	0.30	60.9	0.06	128.7	0.07	0.029
11-May-16	2315 Ida Lane	0	0	0	0	13	7.23	0.57	164.8	0.16	342.0	0.09	0.046
11-May-16	3500 Fairwinds	0	0	0	0	13	7.34	0.80	164.4	0.16	342.0	0.07	0.029
11-May-16	3383 Redden	0	0	0	0	13	7.35	0.74	168.0	0.17	350.0	0.07	0.052
11-May-16	2329 Chain	0	0	0	0	12	7.32	0.38	167.6	0.17	349.0	0.08	0.038
18-May-16	1358 Madrona	0	0	0	0	14	7.09	0.59	107.2	0.11	224.0		
18-May-16	3427 Tyee	0	0	0	0	15	7.30	0.51	163.3	0.16	340.0		
18-May-16	NB Elementary			0	0	11	7.20	1.28	153.8	0.15	321.0		
18-May-16	3730 Fairwinds	0	0	0	0	14	7.30	0.82	164.4	0.16	343.0		
18-May-16	3541 Shelby	0	0	0	0	13	7.31	0.87	163.8	0.16	343.0		
18-May-16	Florence & Anchor	0	0	0	0	14	7.36	0.62	165.1	0.16	344.0		
25-May-16	1565 Stonelake			0	0	14	7.22	0.63	78.5	0.08	165.0		
25-May-16	1639 Marina	0	0	0	0	14	7.21	0.65	62.0	0.06	131.0		
25-May-16	2454 Armstrong			0	0	13	7.27	0.50	95.8	0.09	201.5		
25-May-16	3465 Cambridge	0	0	0	0	13	7.28	0.85	157.5	0.16	328.0		
25-May-16	2339 Garry Oak			0	0	12	7.38	0.97	153.4	0.15	320.0		
30-May-16	1566 Arbutus			0	0	14	7.47	0.27	47.8	0.05	101.4		
30-May-16	1270 Sea Dog			0	0	16	7.33	0.04	152.7	0.15	318.0		
30-May-16	2315 Ida Lane			0	0	16	7.18	0.42	129.3	0.13	271.0		
30-May-16	3465 Cambridge	0	0	0	0	15	7.32	0.79	114.3	0.11	241.0		
30-May-16	3500 Fairwinds			0	0	14	7.31	0.84	115.1	0.11	243.0		
30-May-16	2329 Chain Way			0	0	14	6.97	0.33	155.3	0.15	323.0		
	Average	0	0	0	0	13.5	7.3	0.58	134.5	0.1	280.4	0.06	0.036
	Maximum	0	0	0	0	16	7.47	1.28	197.4	0.2	410	0.09	0.052
	Minimum	0	0	0	0	11	6.97	0.04	47.8	0.05	101.4	0.03	0.014

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2016 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
5-Apr-16	1358 Madrona	0	0	0	0	10	7.54	0.74	181.4	0.18	377.0	0.00	0.078
5-Apr-16	3427 Tyee	0	0	0	0	11	7.36	0.46	202.5	0.20	422.0	0.10	0.015
5-Apr-16	1270 Sea Dog	0	0	0	0	10	7.39	0.75	191.0	0.19	396.0	0.07	0.042
5-Apr-16	2315 Ida Lane	0	0	0	0	10	7.44	0.65	207.2	0.21	432.0	0.11	0.020
5-Apr-16	3500 Fairwinds	0	0	0	0	10	7.42	1.17	203.0	0.20	420.0	0.28	0.096
5-Apr-16	1996 Highland	0	0	0	0	10	7.45	0.65	203.1	0.20	422.0	0.03	0.022
5-Apr-16	Florence & Anchor	0	0	0	0	10	7.45	0.96	205.0	0.20	423.0	0.09	0.017
13-Apr-16	1565 Stonelake	0	0	0	0	11	7.66	0.77	186.8	0.19	389.0		
13-Apr-16	2359 Higginson	0	0	0	0	10	7.63	0.35	206.0	0.21	423.0		
13-Apr-16	2454 Armstrong	0	0	0	0	10	7.50	0.85	205.0	0.20	426.0		
13-Apr-16	Lot 54 Evanshire	0	0	0	0	11	7.51	1.11	203.0	0.20	420.0		
13-Apr-16	3383 Redden	0	0	0	0	11	7.53	0.91	202.7	0.20	421.0		
13-Apr-16	2339 Garry Oak	0	0	0	0	10	7.46	1.17	203.0	0.20	421.0		
20-Apr-16	1566 Arbutus	0	0	0	0	11	7.50	0.83	186.6	0.19	388.0		
20-Apr-16	Lot 51 Swallow	0	0	0	0	10	7.38	0.07	204.3	0.20	423.0		
20-Apr-16	NB Elementary			0	0	10	7.34	1.56	205.0	0.20	423.0		
20-Apr-16	3730 Fairwinds	0	0	0	0	12	7.47	0.98	204.1	0.20	424.0		
20-Apr-16	3451 Shelby	0	0	0	0	11	7.50	1.03	204.0	0.24	424.0		
20-Apr-16	2329 Chain	0	0	0	0	10	7.45	0.51	204.7	0.20	424.0		
26-Apr-16	1358 Madrona			0	0	12	7.61	0.83	182.9	0.18	380.0		
26-Apr-16	1639 Marina	0	0	0	0	11	7.40	0.87	205.1	0.20	426.0		
26-Apr-16	2315 Ida Lane			0	0	12	7.40	0.53	207.0	0.21	429.0		
26-Apr-16	3465 Cambridge	0	0	0	0	11	7.42	0.88	203.3	0.20	421.0		
26-Apr-16	Florence & Anchor			0	0	12	7.38	0.92	205.0	0.20	425.0		
	Average	0	0	0	0	10.7	7.5	0.81	200.5	0.2	415.8	0.10	0.041
	Maximum	0	0	0	0	12	7.66	1.56	207.2	0.24	432	0.28	0.096
	Minimum	0	0	0	0	10	7.34	0.07	181.4	0.18	377	0	0.015

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.

Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
2-Mar-16	1565 Stonelake	0	0	0	0	9	7.31	0.78	193.6	0.19	402.0	0.00	0.079
2-Mar-16	3427 Tye	0	0	0	0	8	7.25	0.54	200.3	0.20	414.0	0.09	0.023
2-Mar-16	1270 Sea Dog	0	0	0	0	8	7.51	0.69	186.7	0.19	388.0	0.41	0.180
2-Mar-16	2315 Ida Lane	0	0	0	0	9	7.44	0.81	199.7	0.20	414.0	0.10	0.030
2-Mar-16	3500 Fairwinds	0	0	0	0	9	7.42	1.02	199.0	0.20	414.0	0.10	0.039
2-Mar-16	1996 Highland	0	0	0	0	9	7.34	0.50	198.9	0.20	413.0	0.03	0.013
2-Mar-16	2339 Garry Oak	0	0	0	0	9	7.34	1.42	200.0	0.20	416.0	0.10	0.028
9-Mar-16	1566 Arbutus	0	0	0	0	9	7.66	0.89	185.8	0.19	386.0		
9-Mar-16	2359 Higginson	0	0	0	0	8	7.71	0.46	184.1	0.18	381.0		
9-Mar-16	2454 Armstrong	0	0	0	0	8	7.45	1.35	202.9	0.20	421.0		
9-Mar-16	Lot 54 Evanshire	0	0	0	0	9	7.52	1.34	201.0	0.20	416.0		
9-Mar-16	3383 Redden	0	0	0	0	9	7.51	1.12	202.0	0.20	419.0		
9-Mar-16	2329 Chain	0	0	0	0	8	7.47	0.42	205.0	0.20	425.0		
16-Mar-16	1358 Madrona	0	0	0	0	8	7.75	0.60	188.1	0.19	389.0		
16-Mar-16	Lot 51 Swallow	0	0	0	0	8	7.53	0.03	200.1	0.20	419.0		
16-Mar-16	NB Elementary			0	0	10	7.44	1.57	201.0	0.20	417.0		
16-Mar-16	3730 Fairwinds	0	0	0	0	9	7.48	1.14	201.7	0.20	419.0		
16-Mar-16	3541 Shelby	0	0	0	0	9	7.48	1.13	201.0	0.20	416.0		
16-Mar-16	Florence & Anchor	0	0	0	0	8	7.56	0.38	206.1	0.21	428.0		
23-Mar-16	1565 Stonelake			0	0	9	7.59	0.82	187.3	0.19	390.0		
23-Mar-16	1639 Marina	0	0	0	0	9	7.43	1.14	204.0	0.20	422.0		
23-Mar-16	2315 Ida Lane			0	0	10	7.45	1.05	203.9	0.20	423.0		
23-Mar-16	3465 Cambridge	0	0	0	0	9	7.46	1.07	202.0	0.20	417.0		
23-Mar-16	2339 Garry Oak			0	0	9	7.45	0.94	203.5	0.20	421.0		
30-Mar-16	1566 Arbutus			0	0	9	7.36	1.09	188.3	0.19	392.0		
30-Mar-16	Lot 51 Swallow			0	0	8	7.25	0.05	200.0	0.20	416.0		
30-Mar-16	2454 Armstrong			0	0	8	7.27	1.11	203.2	0.20	422.0		
30-Mar-16	3383 Redden			0	0	9	7.30	0.86	200.0	0.20	414.0		
30-Mar-16	2329 Chain			0	0	9	7.35	0.68	202.0	0.20	420.0		
	Average	0	0	0	0	8.7	7.5	0.86	198.3	0.2	411.5	0.12	0.056
	Maximum	0	0	0	0	10	7.75	1.57	206.1	0.21	428	0.41	0.18
	Minimum	0	0	0	0	8	7.25	0.03	184.1	0.18	381	0	0.013

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2016 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
3-Feb-16	1358 Madrona	0	0	0	0	9	7.31	0.39	197.9	0.20	410.0	0.01	0.085
3-Feb-16	3427 Tyee	0	0	0	0	8	7.23	0.47	210.9	0.21	438.0	0.07	0.035
3-Feb-16	1270 Sea Dog	0	0	0	0	8	7.25	0.66	209.0	0.21	434.0	0.10	0.035
3-Feb-16	2454 Armstrong	0	0	0	0	8	7.32	0.85	214.5	0.21	444.0	0.14	0.058
3-Feb-16	3500 Fairwinds	0	0	0	0	9	7.38	1.06	211.0	0.21	438.0	0.08	0.027
3-Feb-16	1996 Highland	0	0	0	0	9	7.29	0.52	210.7	0.21	437.0	0.04	0.008
3-Feb-16	Florence & Anchor	0	0	0	0	7	7.28	1.21	213.0	0.21	441.0	0.12	0.042
10-Feb-16	1565 Stonelake	0	0	0	0	9	7.35	0.53	196.7	0.20	407.0		
10-Feb-16	2359 Higginson	0	0	0	0	8	7.44	0.85	214.9	0.21	445.0		
10-Feb-16	2315 Ida Lane	0	0	0	0	10	7.48	0.95	217.0	0.22	438.0		
10-Feb-16	Lot 54 Evanshire	0	0	0	0	9	7.53	1.17	213.8	0.21	443.0		
10-Feb-16	3383 Redden	0	0	0	0	8	7.47	0.88	213.0	0.21	442.0		
10-Feb-16	2339 Garry Oak	0	0	0	0	9	7.45	1.19	213.9	0.21	444.0		
17-Feb-16	1566 Arbutus	0	0	0	0	8	7.45	0.48	194.4	0.20	404.0		
17-Feb-16	Lot 51 Swallow	0	0	0	0	7	7.44	0.02	214.5	0.21	444.0		
17-Feb-16	NB Elementry			0	0	9.5	7.30	1.66	214.5	0.21	445.0		
17-Feb-16	3730 Fairwinds	0	0	0	0	8	7.38	1.03	211.6	0.21	439.0		
17-Feb-16	3541 Shelby	0	0	0	0	8.5	7.31	1.05	211.0	0.21	435.0		
17-Feb-16	2329 Chain Way	0	0	0	0	8	7.32	0.47	211.0	0.21	438.0		
24-Feb-16	1358 Madrona			0	0	9	7.56	0.59	196.5	0.20	408.0		
24-Feb-16	1639 Marina	0	0	0	0	8	7.45	0.97	201.1	0.20	420.0		
24-Feb-16	2454 Armstrong			0	0	8	7.39	0.93	204.0	0.20	420.0		
24-Feb-16	3465 Cambridge	0	0	0	0	9	7.45	0.93	203.7	0.20	423.0		
24-Feb-16	Florence & Anchor			0	0	7	7.43	0.34	212.0	0.21	439.0		
	Average	0	0	0	0	8.4	7.4	0.80	208.8	0.2	432.3	0.08	0.041
	Maximum	0	0	0	0	10	7.56	1.66	217	0.22	445	0.14	0.085
	Minimum	0	0	0	0	7	7.23	0.02	194.4	0.2	404	0.01	0.008

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



Regional District of Nanaimo - Water Services Department

Nanoose Bay Peninsula Water Analysis - 2016 Monthly Report



Date	Sample Location (Address)	Health Department		In-House									
		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)	Total Iron (mg/L)	Manganese (mg/L)
5-Jan-16	1566 Arbutus	0	0	0	0	9	7.19	1.09	199.6	0.20	408.0	0.05	0.010
5-Jan-16	3427 Tyee	0	0	0	0	8	7.12	0.56	204.6	0.20	423.0	0.09	0.031
5-Jan-16	1270 Sea Dog	0	0	0	0	8	7.13	0.99	205.0	0.20	427.0	0.13	0.032
5-Jan-16	2315 Ida Lane	0	0	0	0	11	7.32	1.11	210.0	0.21	435.0	0.10	0.034
5-Jan-16	3500 Fairwinds	0	0	0	0	9	7.28	1.12	187.4	0.19	390.0	0.08	0.027
5-Jan-16	1996 Highland	0	0	0	0	9	7.17	0.64	208.4	0.21	431.0	0.06	0.030
5-Jan-16	2329 Chain	0	0	0	0	8	7.24	0.45	204.0	0.20	422.0	0.06	0.023
13-Jan-16	1358 Madrona	0	0	0	0	8	7.29	0.49	205.0	0.20	409.0		
13-Jan-16	2359 Higginson	0	0	0	0	7	7.38	0.59	200.4	0.20	417.0		
13-Jan-16	2454 Armstrong	0	0	0	0	8	7.29	0.86	214.0	0.21	442.0		
13-Jan-16	Lot 54 Evanshire	0	0	0	0	8	7.32	1.01	212.5	0.21	441.0		
13-Jan-16	3383 Redden	0	0	0	0	7	7.35	0.82	215.0	0.21	445.0		
13-Jan-16	2940 Fairwinds	0	0	0	0	6	7.33	0.96	213.7	0.21	433.0		
20-Jan-16	1565 Stonelake	0	0	0	0	9	7.50	0.39	195.7	0.20	406.0		
20-Jan-16	1961 Harlequin	0	0	0	0	7	7.34	0.15	214.3	0.21	444.0		
20-Jan-16	NB Elementary			0	0	10	7.32	1.47	214.0	0.21	444.0		
20-Jan-16	3730 Fairwinds	0	0	0	0	8	7.36	0.97	211.0	0.21	437.0		
20-Jan-16	3541 Shelby	0	0	0	0	8	7.40	1.00	210.7	0.21	437.0		
20-Jan-16	2339 Garry Oak	0	0	0	0	9	7.31	1.40	211.0	0.21	439.0		
26-Jan-16	1566 Arbutus			0	0	8	7.46	0.62	194.2	0.19	402.0		
26-Jan-16	1639 Marina	0	0	0	0	8	7.35	1.06	210.5	0.21	439.0		
26-Jan-16	2315 Ida Lane			0	0	9	7.39	0.71	215.0	0.21	444.0		
26-Jan-16	3465 Cambridge	0	0	0	0	8	7.42	0.99	210.5	0.21	437.0		
26-Jan-16	2329 Chain			0	0	7	7.36	0.44	211.0	0.21	437.0		
	Average	0	0	0	0	8.2	7.3	0.83	207.4	0.2	428.7	0.08	0.027
	Maximum	0	0	0	0	11	7.5	1.47	215	0.21	445	0.13	0.034
	Minimum	0	0	0	0	6	7.12	0.15	187.4	0.19	390	0.05	0.01

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Aesthetic Objective for Iron is ≤0.3 mg/L Aesthetic Objective for Manganese is ≤0.05mg/L

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

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

Comments:

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.