



Regional District of Nanaimo - Water Services Department

Westerne Heights 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)
7-Dec-16	1263 Westerne Heights	0	0	0	0	7	7.01	0.11	45.9	0.05	97.4	0.09	0.000
7-Dec-16	Well head	0	0	0	0	8	7.05	0.19	46.3	0.05	98.1	0.11	0.005
7-Dec-16	1252 Westerne Heights	0	0	0	0	8		0.19					
14-Dec-16	1263 Westerne Heights	0	0	0	0	2	7.04	0.47	45.4	0.04	96.1		
14-Dec-16	Well head	0	0	0	0	5	6.98	0.48	45.1	0.04	95.7		
	Average	0	0	0	0	6.0	7.0	0.29	45.7	0.05	96.8	0.10	0.003
	Maximum	0	0	0	0	8	7.05	0.48	46.3	0.05	98.1	0.11	0.005
	Minimum	0	0	0	0	2	6.98	0.11	45.1	0.04	95.7	0.09	0.000

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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		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)
1-Nov-16	1263 Westurne Heights	0	0	0	2	10	6.80	n/a	45.3	0.04	96.1	0.24	0.015
1-Nov-16	Well Head	0	0	0	1	9	6.83	n/a	45.4	0.04	96.2	0.09	0.011
8-Nov-16	Well Head	0	0	0	0	9	6.85	0.26	47.2	0.05	100.0		
8-Nov-16	1252 Westurne Heights	0	0	0	0	10	6.89	0.15	47.2	0.05	100.3		
14-Nov-16	1263 Westurne Heights	0	0	0	0	10	6.85	0.25	47.6	0.05	100.8		
14-Nov-16	Well Head	0	0	0	0	10	6.85	0.33	47.5	0.05	100.5		
22-Nov-16	Well Head	0	0	0	0	6	6.80	0.38	45.9	0.05	97.5		
22-Nov-16	1252 Westurne Heights	0	0	0	0	5	6.80	0.31	46.3	0.05	98.1		
29-Nov-16	1263 Westurne Heights			0	0	5	6.86	0.34	45.5	0.04	96.6		
	Average	0	0	0	0.33	8.2	6.8	0.29	46.4	0.0	98.5	0.17	0.013
	Maximum	0	0	0	2	10	6.89	0.38	47.6	0.05	100.8	0.24	0.015
	Minimum	0	0	0	0	5	6.8	0.15	45.3	0.04	96.1	0.09	0.011

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4-Oct-16	Well head	0	0	0	0	6	6.89	n/a	45.7	0.04	97.0	0.07	0.007
12-Oct-16	1263 Westerne Heights	0	0	0	0	8	7.18	n/a	48.8	0.05	103.1		
18-Oct-16	1252 Westerne Heights	0	0	0	26	8	6.86	n/a	46.3	0.05	98.1		
24-Oct-16	1263 Westerne Heights	0	0	0	1	9	6.82	n/a	45.6	0.04	96.6		
24-Oct-16	1252 Westerne Heights	0	0	0	1	8		n/a					
24-Oct-16	Well head	0	0	0	1	6		n/a					
	Average	0	0	0	4.83	7.5	6.9	#DIV/0!	46.6	0.0	98.7	0.07	0.007
	Maximum	0	0	0	26	9	7.18	0	48.8	0.05	103.1	0.07	0.007
	Minimum	0	0	0	0	6	6.82	0	45.6	0.04	96.6	0.07	0.007

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7-Sep-16	Pumphouse	0	0	0	0	10	7.23	0.00	45.6	0.05	96.8	0.07	0.003
13-Sep-16	Pumphouse	0	0	0	0	10	7.05	0.00	46.2	0.05	97.8		
20-Sep-16	Pumphouse	0	1	0	0	10	7.07	0.00	45.3	0.04	96.4		
26-Sep-16	Pumphouse (resample)	0	0	0	1	10	7.07	0.00	45.1	0.04	95.8		
27-Sep-16	Pumphouse	0	0	0	1	7	6.93	0.00	46.1	0.05	97.7		
	Average	0	0.20	0	0.4	9.4	7.1	0.00	45.7	0.0	96.9	0.07	0.003
	Maximum	0	1	0	1	10	7.23	0.00	46.2	0.05	97.8	0.07	0.003
	Minimum	0	0	0	0	7	6.93	0.00	45.1	0.04	95.8	0.07	0.003

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