



Regional District of Nanaimo - Water Services Department

Whiskey Creek Water Analysis - 2011 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)
04-Jan-11	899 Poplar Way	0	0										
12-Jan-11	899 Poplar Way	0	0										
18-Jan-11	3564 Foxglove	0	0										
	Average	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#####	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Maximum	0	0	0	0	0	0	0	0	0	0	0	0
	Minimum	0	0	0	0	0	0	0	0	0	0	0	0

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)
01-Feb-11	899 Poplar Way	0	0	0	0	6	7.2	0.69	43.0	0.0	91.3	0.06	0.004
09-Feb-11	3561 Hebert	0	0	0	0	6	6.8	0.04	46.0	0.0	98.6		
15-Feb-11	3564 Foxglove	0	0	0	0	7	6.7	0.05	44.0	0.0	91.9		
22-Feb-11	844 Carson	0	0	0	0	7	6.7	0.58	46.0	0.0	98.0		
	Average	0	0	0	0	6.5	6.9	0.34	44.8	0.0	95.0	0.06	0.004
	Maximum	0	0	0	0	7	7.2	0.69	46.0	0	98.6	0.06	0.004
	Minimum	0	0	0	0	6	6.7	0.04	43.0	0	91.3	0.06	0.004

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Aesthetic Objective for Iron is ≤0.3 mg/L

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01-Mar-11	3561 Hebert	0	0	0	0	5	6.3	1.17	45.0	0.0	96.3	0.06	0.005
07-Mar-11	899 Poplar	0	0	0	0	5	7.2	0.48	42.0	0.0	91.1		
16-Mar-11	3564 Foxglove	0	0	0	2	7	6.7	0.12	34.0	0.0	89.1		
23-Mar-11	844 Carson	0	0	0	0	7	6.9	1.98	46.0	0.0	96.5		
28-Mar-11	834 Carson			0	0	7	6.9	0.27	49.0	0.1	105.0		
	Average	0	0	0	0.4	6.2	6.8	0.80	43.2	0.0	95.6	0.06	0.005
	Maximum	0	0	0	2	7	7.2	1.98	49.0	0.1	105	0.06	0.005
	Minimum	0	0	0	0	5	6.3	0.12	34.0	0.0	89.1	0.06	0.005

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Aesthetic Objective for Iron is ≤0.3 mg/L

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05-Apr-11	3561 Hebert	0	0	0	0	7	7.24	1.21	42.2	0.04	89.8	0.07	0.001
11-Apr-11	899 Poplar	0	0	0	0	9	7.35	0.29	41.4	0.04	88.0		
19-Apr-11	3564 Foxglove	0	0	0	0	7	7.25	0.63	44.0	0.04	93.4		
27-Apr-11	844 Carson			0	0	9	7.60	0.56	44.0	0.00	93.0		
	Average	0	0	0	0	8.0	7.36	0.67	42.9	0.03	91.1	0.07	0.001
	Maximum	0	0	0	0	9	7.60	1.21	44.0	0.04	93.4	0.07	0.001
	Minimum	0	0	0	0	7	7.24	0.29	41.4	0.00	88.0	0.07	0.001

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03-May-11	3561 Hebert	0	0	0	0	9	7.28	0.16	51.7	0.05	103.1	0.05	0.001
03-May-11	899 Poplar	0	0	0	0			0.55					
10-May-11	899 Poplar			0	0	10	7.80	0.91	47.0	0.00	77.0		
17-May-11	3564 Foxglove			0	0			0.07					
17-May-11	844 Carson	0	0	0	0	10	7.80	0.08	48.0	0.00	81.2		
24-May-11	3561 Herbert			0	0	10	7.50	1.02	53.0	0.10	89.7		
25-May-11	844 Carson	0	0	0	0								
31-May-11	3564 Foxglove	0	0	0	0	11	7.71	0.32	48.3	0.05	102.5		
	Average	0	0	0	0	10.0	7.62	0.44	49.6	0.04	90.7	0.05	0.001
	Maximum	0	0	0	0	11	7.80	1.02	53.0	0.10	103.1	0.05	0.001
	Minimum	0	0	0	0	9	7.28	0.07	47.0	0.00	77	0.05	0.001

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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

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06-Jun-11	3561 Hebert Rd	0	0	0	0	13	7.70	0.36	49.0	0.00	92.0	0.05	0.007
06-Jun-11	899 Poplar Way			0	0	11		0.42					
15-Jun-11	844 Carson			0	0	13	7.70	0.38	52.0	0.10	86.0		
15-Jun-11	3564 Foxglove			0	0	13		0.53					
22-Jun-11	899 Poplar Way	0	0	0	0	13	7.76	1.09	48.6	0.05	102.9		
22-Jun-11	3561 Hebert Rd			0	0	14		1.08					
27-Jun-11	3564 Foxglove	0	0	0	0	14	7.70	0.58	51.0	0.10	97.6		
27-Jun-11	844 Carson	0	0	0	0	14		0.38					
	Average	0	0	0	0	13.1	7.72	0.60	50.2	0.06	94.6	0.05	0.007
	Maximum	0	0	0	0	14	7.76	1.09	52.0	0.10	102.9	0.05	0.007
	Minimum	0	0	0	0	11	7.70	0.36	48.6	0.00	86.0	0.05	0.007

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Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

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Yellow Column Coliform tests are completed by Health Department

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04-Jul-11	3561 Hebert			0	0	14	7.71	0.51	46.5	0.05	98.5		
04-Jul-11	899 Poplar			0	0	13		0.61					
12-Jul-11	844 Carson	0	0	0	0	15	7.39	1.04	48.6	0.05	102.8	0.05	0.001
12-Jul-11	3564 Foxglove			0	0	14		1.04					
19-Jul-11	899 Poplar	0	0	0	0	13	7.34	0.03	50.1	0.05	106.2		
19-Jul-11	3561 Hebert	0	0	0	0	14		0.02					
26-Jul-11	3564 Foxglove	0	0	0	0	15	7.30	1.09	50	0.10	103.8		
26-Jul-11	844 Carson			0	0	15		1.01					
	Average	0	0	0	0	14.1	7.44	0.67	48.8	0.06	102.8	0.05	0.001
	Maximum	0	0	0	0	15	7.71	1.09	50.1	0.10	106.2	0.05	0.001
	Minimum	0	0	0	0	13	7.30	0.02	46.5	0.05	98.5	0.05	0.001

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Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

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03-Aug-11	899 Poplar	0	0	0	0	16	7.35	0.60	47.3	0.05	95.7	0.04	0.001
03-Aug-11	3561 Hebert	0	0	0	0	16	7.35	0.51					
08-Aug-11	844 Carson	0	0	0	0	15	7.44	0.90	49.0	0.05	103.9		
08-Aug-11	3562 Foxglove	0	0	0	0	15		0.94					
09-Aug-11	3562 Foxglove			0	0								
16-Aug-11	899 Poplar	0	0	0	0	16		0.43					
16-Aug-11	3561 Herbert	0	0	0	0	16	7.52	0.67	46.5	0.05	86.8		
23-Aug-11	844 Carson	0	0	0	0	17	7.76	0.11	48.5	0.05	93.9		
30-Aug-11	3562 Foxglove	0	0	0	0	15	7.07	0.76	49.3	0.05	93.3		
	Average	0	0	0	0	15.8	7.4	0.62	48.2	0.05	99.8	0.04	0.001
	Maximum	0	0	0	0	17	7.44	0.94	49.0	0.05	103.9	0.04	0.001
	Minimum	0	0	0	0	15	7.35	0.11	47.3	0.05	95.7	0.04	0.001

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Aesthetic Objective for Iron is ≤ 0.3 mg/L

Aesthetic Objective for Manganese is ≤ 0.05 mg/L

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06-Sep-11	3561 Hebert			0	0	15	7.40	0.32	46.3	0.05	98.1	0.02	0.001
06-Sep-11	899 Poplar	0	0	0	0	14		0.30					
13-Sep-11	3564 Foxglove			0	0		7.44	0.52	45.9	0.05	97.3		
13-Sep-11	844 Carson	0	0	0	0			0.39					
19-Sep-11	899 Poplar			0	0	16	6.97	0.46	48.3	0.05	102.3		
19-Sep-11	3561 Hebert	0	0	0	0	15		0.53					
28-Sep-11	844 Carson			0	0	15	6.99	0.22	56.1	0.06	104.5		
28-Sep-11	3564 Foxglove	0	0	0	0	15		0.07					
	Average	0	0	0	0	15.0	7.20	0.35	49.2	0.1	100.6	0.02	0.001
	Maximum	0	0	0	0	16	7.44	0.53	56.1	0.06	104.5	0.02	0.001
	Minimum	0	0	0	0	14	6.97	0.07	45.9	0.05	97.3	0.02	0.001

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Aesthetic Objective for Iron is ≤0.3 mg/L

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05-Oct-11	3561 Hebert	0	0	0	0	13	7.33	0.86	52.9	0.05	111.9	0.04	0.002
05-Oct-11	899 Poplar	0	0	0	0	13		0.99					
11-Oct-11	3564 Foxglove	0	0	0	0	14	7.37	0.33	51.8	0.05	109.8		
11-Oct-11	844 Carson	0	0	0	0	14		0.22					
17-Oct-11	899 Poplar	0	0	0	0	13	7.47	0.41	50.6	0.05	107.3		
17-Oct-11	3561 Hebert	0	0	0	0	13		0.31					
25-Oct-11	844 Carson	0	0	0	0	12	7.1	0.12	53.3	0.05	112.3		
25-Oct-11	3564 Foxglove	0	0	0	0	12		0.34					
	Average	0	0	0	0	13.0	7.3	0.45	52.2	0.1	110.3	0.04	0.002
	Maximum	0	0	0	0	14	7.47	0.99	53.3	0.05	112.3	0.04	0.002
	Minimum	0	0	0	0	12	7.1	0.12	50.6	0.05	107.3	0.04	0.002

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Aesthetic Objective for Manganese is ≤0.05mg/L

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01-Nov-11	3561 Hebert			0	0	10	7.40	0.31	52.2	0.05	110.5	0.05	0.001
01-Nov-11	899 Poplar			0	0	11		0.31					
07-Nov-11	844 Carson		T	0	0	10	7.00	0.19	55.0	0.05	116.5		
07-Nov-11	3564 Foxglove		T	0	0	10		0.56					
15-Nov-11	899 Poplar	0	0	0	0	10	6.85	0.10	55.3	0.05	116.7		
15-Nov-11	3561 Hebert	0	0	0	0	9		0.28					
23-Nov-11	3564 Foxglove	0	0	0	0	10	7.32	0.03	56.3	0.06	119.2		
23-Nov-11	844 Carson			0	0	8		0.04					
28-Nov-11	844 Carson			0	BG	7	7.67	0.02	61.1	0.06	129.3		
30-Nov-11	844 Carson			0	0			0.03					
Average		0	0	0	0	9.4	7.1	0.19	54.7	0.1	115.7	0.05	0.001
Maximum		0	0	0	0	11	7.4	0.56	56.3	0.06	119.2	0.05	0.001
Minimum		0	0	0	0	7	6.85	0.02	52.2	0.05	110.5	0.05	0.001

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T-Transport time was too long to laboratory.

Aesthetic Objective for Iron is ≤ 0.3 mg/L

Aesthetic Objective for Manganese is ≤ 0.05 mg/L

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05-Dec-11	3561 Hebert	0	0	0	0	7	7.07	0.74	53.9	0.05	114.1	0.08	0.005
05-Dec-11	899 Poplar	0	0	0	0	8		0.66					
13-Dec-11	844 Carson	0	0	0	0	7	7.31	0.03	60.7	0.06	128.5		
19-Dec-11	3564 Foxglove	0	0	0	0	7	7.49	0.54	48.4	0.05	74.5		
	Average	0	0	0	0	7.3	7.3	0.49	54.3	0.1	105.7	0.08	0.005
	Maximum	0	0	0	0	8	7.49	0.74	60.7	0.06	128.5	0.08	0.005
	Minimum	0	0	0	0	7	7.07	0.03	48.4	0.05	74.5	0.08	0.005

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