



Regional District of Nanaimo - Utilities Department

Melrose Terrace Water Analysis - Monthly Report



Date	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
06-Jan	3729 Melrose Dr	0	0	0	0	8	6.6	0.16	197	0.2	423	0.05	0.024
13-Jan	Pumphouse			0	0	8	6.4	0.05	193	0.2	413		
20-Jan	3729 Melrose Dr			0	0	5	6.4	0.16	194	0.2	416		
27-Jan	3847 Melrose Dr			0	0	6	6.6	0.03	192	0.2	410		
	Average	0	0	0	0	6.8	6.5	0.10	194.0	0.2	415.5	0.05	0.024
	Maximum	0	0	0	0	8	6.6	0.16	197	0.2	423	0.05	0.024
	Minimum	0	0	0	0	5	6.4	0.03	192	0.2	410	0.05	0.024

Red font indicates non-compliance with Canadian Drinking Water Guidelines / BC Approved Water Quality Guidelines

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

* Yellow Column Coliform tests are done by Health Department

Green 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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03-Feb	3729 Melrose Ter	0	0	0	0	5	6.8	1.6	189	0.2	403	1.6	0.054
10-Feb	Pumphouse			0	0	10	6.5	0.02	184	0.2	389		
17-Feb	3847 Melrose Ter			0	0	8	6.6	0.02	188	0.2	397		
24-Feb	Pumphouse			0	0	10	6.7	0.02	188	0.2	400		
	Average	0	0	0	0	8.3	6.7	0.42	187.3	0.2	397.3	1.60	0.054
	Maximum	0	0	0	0	10	6.8	1.6	189	0.2	403	1.6	0.054
	Minimum	0	0	0	0	5	6.5	0.02	184	0.2	389	1.6	0.054

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03-Mar	3729 Melrose Ter	0	0	0	0	11	6.6	0.02	188	0.2	399	0.09	0.022
10-Mar	Pumphouse			0	0	10	6.5	0.02	192	0.2	408		
18-Mar	3847 Melrose Ter			0	0	9	6.7	0.01	193	0.2	408		
25-Mar	3729 Melrose Ter			0	0	10	6.5	0.01	194	0.2	408		
	Average	0	0	0	0	10.0	6.6	0.02	191.8	0.2	405.8	0.09	0.022
	Maximum	0	0	0	0	11	6.7	0.02	194	0.2	408	0.09	0.022
	Minimum	0	0	0	0	9	6.5	0.01	188	0.2	399	0.09	0.022

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Date Apr-09	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
15-Apr	3729 Melrose Ter	0	0										
22-Apr	3847 Melrose Ter			0	0	12	6.6	0.01	194	0.2	407		
29-Apr	Pumphouse					13	6.8	0.01	206	0.2	438		
	Average	0	0	0	0	12.5	6.7	0.01	200.0	0.2	422.5	#DIV/0!	#DIV/0!
	Maximum	0	0	0	0	13	6.8	0.01	206	0.2	438	0	0
	Minimum	0	0	0	0	12	6.6	0.01	194	0.2	407	0	0

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05-May	3729 Melrose Ter	0	0	0	0	13	6.5	0.01	217	0.2	452	0.28	0.144
12-May	Pumphouse			0	0	13	6.4	0.02	217	0.2	455		
27-May	3927 Melrose Ter			0	0	14	6.4	0.03	195	0.2	409		
	Average	0	0	0	0	13.3	6.4	0.02	209.7	0.2	438.7	0.28	0.144
	Maximum	0	0	0	0	14	6.5	0.03	217	0.2	455	0.28	0.144
	Minimum	0	0	0	0	13	6.4	0.01	195	0.2	409	0.28	0.144

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02-Jun	3729 Melrose Ter	0	0	0	0	16	6.3	0.01	187	0.2	391	0.03	0.048
09-Jun	Pumphouse			0	0	16	6.3	0.04	175	0.2	387		
	Average	0	0	0	0	16.0	6.3	0.03	181.0	0.2	389.0	0.03	0.048
	Maximum	0	0	0	0	16	6.3	0.04	187	0.2	391	0.03	0.048
	Minimum	0	0	0	0	16	6.3	0.01	175	0.2	387	0.03	0.048

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07-Jul	3729 Melrose Ter	0	0	0	0	18	6.4	0.03	189	0.2	395	0.06	0.067
15-Jul	Pumphouse			0	0	17	6.4	0.03	183	0.2	383		
	Average	0	0	0	0	17.5	6.4	0.03	186.0	0.2	389.0	0.06	0.067
	Maximum	0	0	0	0	18	6.4	0.03	189	0.2	395	0.06	0.067
	Minimum	0	0	0	0	17	6.4	0.03	183	0.2	383	0.06	0.067

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Date Aug-09	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
05-Aug	3729 Melrose Ter	0	0	0	0	22	6.7	0.02	183	0.2	390	0.11	0.008
12-Aug	3853 Melrose			0	0	18	6.6	0.02	176	0.2	365		
19-Aug	3729 Melrose Ter			0	0	20	6.6	0.05	178	0.2	376		
25-Aug	Pumphouse			0	0	19	6.6	0.05	182	0.2	382		
	Average	0	0	0	0	19.8	6.6	0.04	179.8	0.2	378.3	0.11	0.008
	Maximum	0	0	0	0	22	6.7	0.05	183	0.2	390	0.11	0.008
	Minimum	0	0	0	0	18	6.6	0.02	176	0.2	365	0.11	0.008

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09-Sep	3729 Melrose Ter	0	0				6.3		180	0.2	377	0.12	0.019
15-Sep	Pumphouse			0	0	18	6.7	0.01	183	0.2	383		
22-Sep	Pumphouse			0	0		6.4	0.03	176	0.2	371		
28-Sep	3729 Melrose Ter			0	0	18	6.8	0.01	179	0.2	376		
	Average	0	0	0	0	18.0	6.6	0.02	179.5	0.2	376.8	0.12	0.019
	Maximum	0	0	0	0	18	6.8	0.03	183	0.2	383	0.12	0.019
	Minimum	0	0	0	0	18	6.3	0.01	176	0.2	371	0.12	0.019

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05-Oct	3729 Melrose Ter	0	0	0	0	16	6.4	0.03	182	0.2	380		
14-Oct	Pumphouse			0	0	13	6.4	0.01	178	0.2	373		0.024
20-Oct	3847 Melrose Ter			0	0		6.6	0.02	168	0.2	351		
28-Oct	3927 Melrose Ter			0	0	13	6.5	0.01	178	0.2	375		
	Average	0	0	0	0	14.0	6.5	0.02	176.5	0.2	369.8	#DIV/0!	0.024
	Maximum	0	0	0	0	16	6.6	0.03	182	0.2	380	0	0.024
	Minimum	0	0	0	0	13	6.4	0.01	168	0.2	351	0	0.024

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04-Nov	3729 Melrose Ter	0	0	0	0	13	6.4	0.01	179	0.2	377	0.05	0.025
10-Nov	Pumphouse			0	0	11	6.2	0.01	176	0.2	372		
17-Nov	3847 Melrose Ter			0	0	9	6.5	0.01	174	0.2	370		
24-Nov	Pumphouse			0	0	10	6.6	0.01	178	0.2	376		
	Average	0	0	0	0	10.8	6.4	0.01	176.8	0.2	373.8	0.05	0.025
	Maximum	0	0	0	0	13	6.6	0.01	179	0.2	377	0.05	0.025
	Minimum	0	0	0	0	9	6.2	0.01	174	0.2	370	0.05	0.025

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Date Dec-09	Sample Location (Address)	Fecal Coli * Health Dep	Total Coli * Health Dep	Total Coli RDN	E Coli RDN	Temp ° C	pH	Cl ₂ ppm	TDS ppm	Sal %	Cond uS/cm	Fe ppm	Mn ppm
02-Dec	3729 Melrose Dr	0	0	0	0	10	6.3	0.01	172	0.2	365	0.18	0.035
08-Dec	Pumphouse			0	0	7	6.5	0.01	168	0.2	364		
21-Dec	3729 Melrose Dr			0	0	6	6.8	0.02	173	0.2	371		
29-Dec	Pumphouse			0	0	8	6.8	0.01	174	0.2	372		
	Average	0	0	0	0	7.8	6.6	0.01	171.8	0.2	368.0	0.18	0.035
	Maximum	0	0	0	0	10	6.8	0.02	174	0.2	372	0.18	0.035
	Minimum	0	0	0	0	6	6.3	0.01	168	0.2	364	0.18	0.035

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