

Grindrod Water Quality 2018 (Treated)

Water System: Grindrod Water System
 Source: Shuswap River
 Sampling Point: Grindrod Treated (9C08)
 Date of Sample: 8/9/2018

		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	10.2		AO<=250
Fluoride	0.14	MAC=1.5	
Nitrate (As N)	0.02	MAC=10	
Nitrite (as N)	< 0.010	MAC=1	
Sulphate	6.9		AO<=500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
UV Transmittance @ 254nm	97.7	N/A	
Alkalinity, Bicarbonate (as CaCO3)	37.0	N/A	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	
Alkalinity, Total (as CaCO3)	37.0	N/A	
Carbon, Dissolved Organic	2.31	N/A	
Carbon, Total Organic	2.68	N/A	
Chlorophyll a	< 0.10	N/A	
Colour, True	< 5.0		AO<=15
Conductivity (EC)	117	N/A	
Cyanide, Total	< 0.0020	MAC=0.2	
Nitrogen, Total Kjeldahl	< 0.050	N/A	
pH	7.42	7.0-10.5	
Phosphorus, Total (as P)	0.0199	N/A	
Phosphorus, Total Dissolved	0.0158	N/A	
Turbidity	0.1		OG<0.1
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total	43.2	N/A	
Total Dissolved Solids	61.7		AO<=500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	0.0522	no current guideline	≤ 0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.009	1	
Boron, total	< 0.0050	5	
Cadmium, total	< 0.000010	0.005	
Calcium, total	14.1	no current guideline	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	no current guideline	
Copper, total	0.00221		<1
Iron, total	< 0.010		<0.30
Lead, total	< 0.00020	0.01	
Magnesium, total	1.95	no current guideline	
Manganese, total	0.00077		<0.05
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00076	no current guideline	
Nickel, total	< 0.00040	no current guideline	
Phosphorus, total	0.0199	no current guideline	
Potassium, total	0.81		
Selenium, total	< 0.00050	0.05	
Sodium, total	5.11		<200
Uranium, total	< 0.000020	0.02	
Zinc, total	< 0.0040		<5