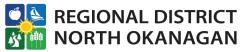
Shuswap River Intake Water Quality 2022

Water System:	Grindrod Water System	
Source:	Shuswap River	
Sampling Point:	Shuswap River Intake	
Date of Sample:	5/17/2022	



Date of Sample.	····	Canadian Drinking Water Guidelines		
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)	
Chloride	0.51		AO ≤250	
Fluoride	<0.10	1.5		
Nitrate (As N)	0.033	10		
Nitrite (as N)	<0.01	1		
Sulphate	7.00		AO ≤500	
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)	
UV Transmittance @ 254nm (%)	85.5	N/A		
Alkalinity, Bicarbonate (as CaCO3)	63.9	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)	63.9	N/A		
Carbon, Dissolved Organic	2.7	N/A		
Carbon, Total Organic	3.38	N/A		
Chlorophyll a	1.17	N/A		
Colour, True (CU)	9.20		AO ≤15	
Conductivity (umho/cm)	104	N/A	1.15	
Cyanide, Total	<0.002	0.2		
Nitrogen, Total Kjeldahl	0.121	N/A		
pH	6.99	7.0 - 10.5		
Phosphorus, Total (as P)	<0.05	N/A		
Phosphorus, Total Dissolved	0.0073	N/A		
Turbidity (NTU)	1.61	14// 1	OG <1	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)	
Hardness, Total	48.5	N/A		
Total Dissolved Solids	62	N/A	AO <500	
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)	
Aluminum, total	0.0765	no current guideline	OG <0.1	
Antimony, total	<0.0002	0.006		
Arsenic, total	<0.0005	0.01		
Barium, total	0.01	1		
Boron, total	<0.05	5		
Cadmium, total	<0.0001	0.005		
Calcium, total	16.1	no current guideline		
Chromium, total	<0.0005	0.05		
Cobalt, total	<0.0001	no current guideline		
Copper, total	0.00179	2		
Iron, total	0.099	_	AO ≤0.30	
Lead, total	<0.0002	0.005	7.0 =0.00	
Magnesium, total	2.01	no current guideline		
Manganese, total	0.00428	0.12		
Mercury, total	<0.0001	0.001		
Molybdenum, total	0.00068	no current guideline		
Nickel, total	0.00068	-		
Potassium, total	0.00043	no current guideline		
		0.05		
Selenium, total	<0.0005	0.05	AO 2000	
Sodium, total	1.39		AO ≤200	
Huanium tatal	0.000001	0.00		
Uranium, total Zinc, total	0.000364 <0.004	0.02	AO ≤5	

Notes: No current Guideline ; Reference Health Canada

Hardness - no guideline - "Hardness Levels between 80 and 100 mg/L as CaCo3 are considered acceptable; levels

greater than 200 are considered poor but can be tolerated; those in excess of 500 are normally considered unacceptable.

Turbidity - 1 NTU when disinfection required; <5 NTU aesthetic clarity

[&]quot;<" = less than detection limit shown

[&]quot;>" = greater than upper range limit shown

[&]quot;«" = less than number shown (Detected)

[&]quot;»" = greater than number shown (Detected)

^{*} Criteria Exceeded