

Delcliffe Raw Water Quality 2020

Water System: Greater Vernon Water
Source: Okanagan Lake
Facility: Delcliffe Raw
Sampling Point: Delcliffe Raw (3272D)
Date of Sample: 7/27/2020



		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Chloride	5.13		<250
Fluoride	<0.10	1.5	
Nitrate (As N)	< 0.010	10	
Nitrite (as N)	< 0.010	1	
Sulphate	28.7		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Alkalinity, Bicarbonate (as CaCO ₃)	115	N/A	
Alkalinity, Carbonate (as CaCO ₃)	< 1.0	N/A	
Alkalinity, Hydroxide (as CaCO ₃)	< 1.0	N/A	
Alkalinity, Phenolphthalein (as CaCO ₃)	< 1.0	N/A	
Alkalinity, Total (as CaCO ₃)	115	N/A	
Carbon, Dissolved Organic	4.09	N/A	
Carbon, Total Organic	4.31	N/A	
Chlorophyll a	2.82	N/A	
Colour, True	8.3	N/A	≤15 TCU
Conductivity (EC)	272	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.177	N/A	
pH	8.23	N/A	7.0 - 10.5
Phosphorus, Total (as P)	0.0084	N/A	
Phosphorus, Total Dissolved	0.0060	N/A	
Turbidity	0.82		OG <1
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Hardness, Total	123	N/A	
Total Dissolved Solids	160		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Aluminum, total	0.0146	N/A	OG ≤0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.0005	0.01	
Barium, total	0.0214	1	
Boron, total	0.0684	5	
Cadmium, total	0.000014	0.005	
Calcium, total	32.6	N/A	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.00308	2	<1
Iron, total	0.017	N/A	≤0.30
Lead, total	0.00029	0.005	
Magnesium, total	10.0	N/A	
Manganese, total	0.0090	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00347	N/A	
Nickel, total	0.00071	N/A	
Potassium, total	2.40	N/A	
Selenium, total	< 0.0005	0.05	
Sodium, total	11.6	N/A	≤200
Strontium, total	0.297	7	
Uranium, total	0.00240	0.02	
Zinc, total	0.0137	N/A	≤5