

Deer Creek Intake Water Quality 2019

Water System: Greater Vernon Water
 Source: Deer Creek
 Sampling Point: Deer Creek Intake (5E90)
 Date of Sample: 7/18/2019



		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	0.23		<250
Fluoride	< 0.10	1.5	
Nitrate (As N)	0.019	10	
Nitrite (as N)	< 0.010	1	
Sulphate	5.8		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Bicarbonate (as CaCO ₃)	37.9	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)	37.9	N/A	
Carbon, Dissolved Organic	10.5	N/A	
Carbon, Total Organic	10.7	N/A	
Chlorophyll a	1.45	N/A	
Colour, True	67		≤15
Conductivity (EC)	92.5	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.498	N/A	
pH	7.68	7.0 - 10.5	
Phosphorus, Total (as P)	0.0334	N/A	
Phosphorus, Total Dissolved	0.0238	N/A	
Turbidity	2.54		OG <1
UV Transmittance @ 254nm	37.2%	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total	43.4	N/A	
Total Dissolved Solids	47.7		≤500
Total Metals	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	0.221	N/A	OG <0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.0093	1	
Boron, total	0.0094	5	
Cadmium, total	0.000040	0.005	
Calcium, total	9.69	N/A	
Chromium, total	0.00129	0.05	
Cobalt, total	0.00015	N/A	
Copper, total	0.00232	2	<1
Iron, total	0.406		≤0.3
Lead, total	< 0.00020	0.005	
Magnesium, total	4.66	N/A	
Manganese, total	0.0106	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00046	N/A	
Nickel, total	0.00137	N/A	
Potassium, total	1.40		
Selenium, total	< 0.00050	0.05	
Sodium, total	2.74		≤200
Uranium, total	0.000124	0.02	
Zinc, total	0.0048		≤5