

Outback Lake Station Water Quality 2020

Water System: Greater Vernon Water
Source: Okanagan Lake
Facility: Outback Lake Station
Sampling Point: Outback Lake Station (1729C)
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	5.11		<250
Fluoride	0.14	1.5	
Nitrate (As N)	< 0.010	10	
Nitrite (as N)	< 0.010	1	
Sulphate	29.9		≤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	3.97	N/A	
Carbon, Total Organic	4.19	N/A	
Chlorophyll a	0.90	N/A	
Colour, True	7.1	N/A	≤15 TCU
Conductivity (EC)	275	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.198	N/A	
pH	8.00	N/A	7.0 - 10.5
Phosphorus, Total (as P)	0.0084	N/A	
Phosphorus, Total Dissolved	0.0060	N/A	
Turbidity	0.29		OG <1
UV Transmittance @ 254 nm	84.8%	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Hardness, Total	124	N/A	
Total Dissolved Solids	166		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Aluminum, total	0.0053	N/A	OG ≤0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.0222	1	
Boron, total	< 0.0500	5	
Cadmium, total	< 0.000010	0.005	
Calcium, total	32.6	N/A	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.00167	2	<1
Iron, total	< 0.010	N/A	≤0.3
Lead, total	0.00021	0.005	
Magnesium, total	10.3	N/A	
Manganese, total	0.00075	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00331	N/A	
Nickel, total	0.00061	N/A	
Potassium, total	2.44	N/A	
Selenium, total	< 0.00050	0.05	
Sodium, total	11.6	N/A	≤200
Strontium, total	0.301	7	
Uranium, total	0.00241	0.02	
Zinc, total	0.0107	N/A	≤5