

## Allenby PS Water Quality 2020

Water System: Greater Vernon Water

Source: Kalamalka Lake

Facility: MHTP

Sampling Point: Allenby PS (280F5)

Date of Sample: 7/17/2020



**REGIONAL DISTRICT  
NORTH OKANAGAN**

		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Chloride	16.7		≤250
Fluoride	0.34	1.5	
Nitrate (As N)	0.093	10	
Nitrite (as N)	< 0.010	1	
Sulphate	51.2		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	160	N/A	
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	< 1.0	N/A	
Alkalinity, Hydroxide (as CaCO <sub>3</sub> )	< 1.0	N/A	
Alkalinity, Phenolphthalein (as CaCO <sub>3</sub> )	< 1.0	N/A	
Alkalinity, Total (as CaCO <sub>3</sub> )	160	N/A	
Carbon, Total Organic	4.18	N/A	≤15 TCU
Colour, True	< 5.0	N/A	
Conductivity (EC)	421	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.185	N/A	
pH	8.24	N/A	7.0 - 10.5
Phosphorus, Total (as P)	0.011	N/A	
Phosphorus, Total Dissolved	0.0065	N/A	
Turbidity	1.34		OG <1
UV Transmittance @254nm - Unfiltered	90.5		
UV Transmittance @254nm	92.3	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Hardness (Total)	167	N/A	
Total Dissolved Solids	257		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Aluminum, total	0.0278	N/A	≤ 0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	0.00121	0.01	
Barium, total	0.0298	1	
Boron, total	< 0.0500	5	
Cadmium, total	<0.000010	0.005	
Calcium, total	38.1	N/A	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.0161	2	<1
Iron, total	0.051	N/A	≤0.30
Lead, total	< 0.00020	0.005	
Magnesium, total	17.4	N/A	
Manganese, total	0.00556	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00487	N/A	
Nickel, total	0.00044	N/A	
Potassium, total	4.96	N/A	
Selenium, total	0.00085	0.05	
Sodium, total	20.9	N/A	≤200
Strontium, total	0.456	7	
Uranium, total	0.00309	0.02	
Zinc, total	0.0056	N/A	≤5