

## Mabel Lake Raw Water Quality 2018

Water System:	Mabel Lake Water Utility
Source:	Mabel Lake
Facility:	Mabel Lake Pumphouse
Sampling Point:	Raw water line
Date of Sample:	5/29/2018

INORGANIC	Results (mg/L unless noted)	Canadian Drinking Water Guidelines	
		Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum (total)	0.0440	no current guideline	≤ 0.1
Antimony (total)	< 0.00020	< 0.006	
Arsenic (total)	< 0.00050	<0.01	
Barium (total)	0.0109	<1	
Boron (total)	< 0.0050	< 5	
Cadmium (total)	0.000012	< 0.005	
Calcium (total)	22.3	no current guideline	no current guideline
Chloride	1.37	no current guideline	<250
Chromium (total)	< 0.00050	< 0.05	
Copper (total)	0.00424	no current guideline	<1.0
Cyanide (total)	< 0.0020	<0.2	
Fluoride	< 0.10	<1.5	
Iron (total)	0.067	no current guideline	<0.30
Lead (total)	< 0.00020	< 0.01	
Magnesium (total)	2.47	no current guideline	no current guideline
Manganese (total)	0.00279	no current guideline	<0.05
Mercury (total)	< 0.000040	< 0.001	
Molybdenum (total)	0.00083	no current guideline	no current guideline
Nitrate (as N)	0.064	<10 mg/L as N	
Nitrite (as N)	< 0.010	<1 mg/L as N	
Potassium (total)	0.99	no current guideline	no current guideline
Selenium (total)	< 0.00050	<0.01	
Sodium (total)	1.46	no current guideline	<200
Sulphate	6.1	no current guideline	<500
Uranium (total)	0.000491	<0.02	
Zinc (total)	0.0089	no current guideline	<5.0

PHYSICAL	Results (mg/L unless noted)	Canadian Drinking Water Guidelines	
		Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity (Total, as CaCO <sub>3</sub> )	44.8	no current guideline	
Colour	6.2	no current guideline	<15 TCU
Conductivity	106	no current guideline	no current guideline
Hardness (total, as CaCO <sub>3</sub> )	66.0	no current guideline	<b>see note</b>
pH	7.5	no current guideline	6.5 - 8.5
Total dissolved solids / TDS	66	no current guideline	<500
Turbidity	1.94	1 NTU	<5 NTU

**Notes:**

**No current Guideline ; Reference Health Canada**

Hardness - no guideline - "Hardness Levels between 80 and 100 mg/L as CaCO<sub>3</sub> 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

"<" = less than detection limit shown

">" = greater than upper range limit shown

"«" = less than number shown (Detected)

"»" = greater than number shown (Detected)

\* Criteria or Objective Exceeded

\*\* Color average 60 TCU