

## Deer Creek Water Quality 2010

Water System: **Greater Vernon Water,**  
 Source: **Deer Creek/ King Edward**  
 Facility: **Intake Pond**  
 Sampling Point: **Deer Creek Intake**  
 Date of Sample: **7/21/2010**

INORGANIC	Results (mg/L unless noted)	Canadian Drinking Water Guidelines	
		Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)

Aluminum (total)	0.312	no current guideline	≤ 0.1
Antimony (total)	<0.0010	< 0.006	
Arsenic (total)	< 0.0050	<0.01	
Barium (total)	0.0122	<1	
Boron (total)	< 0.040	< 5	
Cadmium (total)	<0.0001	< 0.005	
Calcium (total)	9.1	no current guideline	
Chloride	0.37		<250
Chromium (total)	0.0067	< 0.05	
Copper (total)	0.0025		<1.0
Cyanide (total)	<0.01	<0.2	
Fluoride	<0.10	<1.5	
Iron (total)	0.330		<0.30
Lead (total)	< 0.0010	< 0.01	
Magnesium (total)	4.08	no current guideline	
Manganese (total)	0.0096		<0.05
Mercury (total)	<0.00050	< 0.001	
Molybdenum (total)	<0.0010	no current guideline	
Nitrate (as N)	<0.01	<10 mg/L as N	
Nitrite (as N)	<0.01	<1 mg/L as N	
Potassium (total)	1.66	no current guideline	
Selenium (total)	0.0042	<0.01	
Sodium (total)	3.04		<200
Sulphate	3.3		<500
Uranium (total)	<0.00020	<0.02	
Zinc (total)	<0.010		<5.0

PHYSICAL	Results (mg/L unless noted)	Maximum Acceptable Concentration	Aesthetic Objective (AO)
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Alkalinity (Total, as CaCO <sub>3</sub> )	33.9	no current guideline	
Colour	60		<15 TCU
Conductivity	75	no current guideline	
Hardness (total, as CaCO <sub>3</sub> )	39.4		see note
pH	7.76		6.5 - 8.5
Total dissolved solids / TDS	67		<500
Turbidity	2.2	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