

Well #1 (Coldstream Ranch) Water Quality 2010

Water System: **Greater Vernon Water**
 Source: **Well #1**
 Facility: **Well #1**
 Sampling Point: **Pump House -Prechlorination**
 Date: **7/27/2010**

INORGANIC	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum (total)	<0.05	no current guideline	≤ 0.1
Antimony (total)	<0.001	<0.006	
Arsenic (total)	<0.005	<0.01	
Barium (total)	0.0621	<1	
Boron (total)	<0.040	<5	
Cadmium (total)	<0.0001	<0.005	
Calcium (total)	90.9	no current guideline	
Chloride	9.95		<250
Chromium (total)	<0.005	<0.05	
Copper (total)	0.0036		<1.0
Cyanide (total)	<0.01	<0.2	
Fluoride	0.24	<1.5	
Iron (total)	0.22		<0.30
Lead (total)	<0.001	<0.01	
Magnesium (total)	28.3	no current guideline	
Manganese (total)	0.244		<0.05
Mercury (total)	<0.0005	<0.001	
Molybdenum (total)	0.0077	no current guideline	
Nitrate (as N)	0.14	<10 mg/L as N	
Nitrite (as N)	<0.01	<1 mg/L as N	
Potassium (total)	8.31	no current guideline	
Selenium (total)	0.0043	<0.01	
Sodium (total)	23.2		<200
Sulphate	143		<500
Uranium (total)	0.00648	<0.02	
Zinc (total)	0.011		<5.0

PHYSICAL	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
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Alkalinity (total, as CaCO ₃)	264	no current guideline	
Colour	<5		<15 TCU
Conductivity	724	no current guideline	
Hardness (total, as CaCO ₃)	344		see note

pH	7.86		6.5 - 8.5
Total dissolved solids / TDS	486		<500
Turbidity	0.5	1 NTU	<5 NTU

Notes:

No current Guideline ; Reference Health Canada

Hardness - no guideline - "Hardness Levels between 80 and 100 mg/L as CaCo3 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