



Glenmore Comprehensive Water Quality Results

Water for the Glenmore Valley, which includes Wilden, Quail Ridge, UBCO and the Sexsmith area is supplied direct from Okanagan Lake RAW (October 2017) treated with UV and Chlorinated.

Parameter	Sept 25/16	Sept 29/17			Units	Canadian Guidelines for Drinking Water
General Inorganic Parameters						
Alkalinity (total)	112	116			mg/l as CaCo3	No Guideline
Hardness (total)	135	124			mg/L as CaCo3	No Guideline
Chloride	9.07	4.56			mg/L	AO <250
Color (true)	<5	7.0			Color Units	AO<15 TCU
Conductivity@ 25	302	281			Umhos/cm	No Guideline
Cyanide	<0.002 0	<0.002 0			mg/L	MAC < 0.2
Fluoride	0.13	0.29			mg/L	MAC < 1.5
Nitrite	<0.010	<0.010			mg/L as N	MAC < 1
Nitrate	<0.010	0.086			mg/L as N	MAC < 10
pH	7.92	7.65			pH units	AO=6.5-8.5
Sulphate	29.7	31.3			mg/L	AO <500
Dissolved Solids (total)	170	165			mg/L	AO <500
Turbidity	1.1	0.25			NTU	<1
Transmissivity @ 254nm	N/A	N/A			No Guideline	
<p><i>Turbidity of 0.0 to 1.0 NTU is considered "Good" by IHA</i> <i>Turbidity of 1.0 to 5.0 NTU is considered "Fair" by IHA = Water Quality Advisory</i> <i>Turbidity of >5.0 NTU is considered "Poor" by IHA = Boil Water Notice</i></p>						
Microbiological Parameters						
Total Coliform	<1	2			CFU/100ml	MAC <1
E. coli	<1	<1			CFU/100ml	MAC <1

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Total Recoverable Metals by ICPMS						
Parameter	Sept 25/16	Sept 29/17			Units	Canadian Guidelines for Drinking Water
Aluminum	<0.05	0.0090			mg/L	OG <0.1
Antimony	<0.001	<0.00020			mg/L	MAC =0.006
Arsenic	<0.005	<0.00050			mg/L	MAC = 0.01
Barium	<0.05	0.0210			mg/L	MAC =1
Beryllium	N/A	N/A			mg/L	No Guideline
Boron	0.112	0.0118			mg/L	MAC =5
Cadmium	<0.0001	<0.000010			mg/L	MAC =0.005
Calcium	34.7	32.6			mg/L	No Guideline
Chromium	<0.005	<0.00050			mg/L	MAC =0.05
Cobalt	<0.0005	<0.00010			mg/L	No Guideline
Copper (Total)	0.0045	0.00287			mg/L	AO ≤1
Iron	<0.10	0.012			mg/L	AO ≤0.3
Lead	<0.001	0.00044			mg/L	MAC =0.01
Magnesium	11.7	10.4			mg/L	No Guideline
Manganese	0.0138	0.00154			mg/L	AO ≤0.05
Mercury	<0.00002	<0.000010			mg/L	MAC =0.001
Molybdenum	0.0034	0.00356			mg/L	No Guideline
Nickel	<0.002	0.00111			mg/L	No Guideline
Phosphorus	N/A	N/A			mg/L	No Guideline
Potassium	2.86	2.58			mg/L	No Guideline
Selenium	<0.005	<0.00050			mg/L	MAC =0.05
Silicon	N/A	N/A			mg/L	No Guideline
Silver	N/A	N/A			mg/L	No Guideline
Sodium	13.8	12.4			mg/L	AO ≤200
Uranium	0.00231	0.00243			mg/L	MAC =0.02
Zinc	<0.04	<0.0040			mg/L	AO≤5
					MAC = Maximum Acceptable Concentration	AO = Aesthetic Objective

Comprehensive analysis reflects Okanagan Lake water as of March 2014.