



McKinley Landing Comprehensive Water Quality Results

Water for McKinley Landing is supplied from a small pump station on Okanagan Lake. Testing is conducted at the Arthur Court Reservoir. Water supply for this system is independent of the Glenmore and Ellison systems.

Parameter	Sept 5/14	Sept 17/15	Nov 19/15	Sept 25/16	Sept 29/17	Units	Canadian Guidelines for Drinking Water
Alkalinity (total)	101	111	114	109	112	mg/l as CaCo3	No Guideline
Hardness (total)	121	130	123	135	124	mg/L as CaCo3	No Guideline
Chloride	6.89	6.97	8.95	7.32	7.50	mg/L	AO \leq 250
Color (true)	<5	14	<5	<5	<5.0	Color Units	AO \leq 15 TCU
Conductivity @ 25	285	288	283	289	278	Umhos/cm	No Guideline
Cyanide	<0.010		<0.010	<0.0020	<0.0020	mg/L	MAC = 0.2
Fluoride	0.14	0.14	0.14	0.12	0.50	mg/L	MAC = 1.5
Nitrite	<0.010	<0.010	<0.005	<0.010	<0.010	mg/L as N	MAC = 1
Nitrate	0.029	0.029	0.018	0.017	0.042	mg/L as N	MAC = 10
pH	7.68	7.93	8.07	7.94	7.56	pH units	AO=6.5-8.5
Sulphate	31.2	29.3	34	29.9	29.4	mg/L	AO \leq 500
Dissolved Solids (total)	156	165	170	170	163	mg/L	AO \leq 500

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Turbidity	0.4	0.3	0.2	0.58	0.25	NTU	<1
Transmissivity @ 254nm	91.5	90.9	91.5	N/A	N/A	No Guideline	
Total Coliform	<1	<1	<1	<1	<1	CFU/100ml	MAC <1
E. coli	<1	<1	<1	<1	<1	CFU/100ml	MAC <1
<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 Considered "Poor" by IHA = Boil Water Notice</i></p>							

Total Recoverable Metals							
Parameter	Sept 5/14	Sept 17/15	Nov 19/15	Sept 25/16	Sept 29/17	Units	Canadian Guidelines for Drinking Water
Aluminum	<0.05	<0.05	<0.05	<0.050	0.0060	mg/L	AO <0.1
Antimony	<0.001	<0.001	<0.001	<0.001	<0.00020	mg/L	MAC =0.006
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.00050	mg/L	MAC = 0.01
Barium	<0.05	<0.05	<0.05	<0.05	0.0210	mg/L	MAC =1
Beryllium	<0.001	<0.001	<0.001	N/A	N/A	mg/L	No Guideline
Boron	<0.04	<0.04	<0.04	0.134	0.0115	mg/L	MAC =5
Cadmium	<0.0001	<0.0001	<0.0001	<0.001	<0.000010	mg/L	MAC =0.005
Calcium	33.3	35.0	36.2	34.5	32.8	mg/L	No Guideline
Chromium	<0.005	0.005	<0.005	<0.0050	<0.00050	mg/L	MAC =0.05
Cobalt	<0.0005	<0.0005	<0.0005	<0.0005	<0.00010	mg/L	No Guideline

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Copper (Total)	0.027	0.023	<0.0005	0.0176	0.0305	mg/L	AO ≤1
Iron	0.10	<0.10	<0.10	<0.10	<0.010	mg/L	AO ≤0.3
Lead	0.001	<0.001	<0.001	<0.001	0.00030	mg/L	MAC =0.01
Magnesium	9.1	10.4	8.0	11.1	10.1	mg/L	No Guideline
Manganese	0.002	<0.002	<0.002	<0.0020	0.00109	mg/L	AO ≤0.05
Mercury	0.0002	<0.00002	<0.00002	<0.00002	<0.000010	mg/L	MAC <0.001
Molybdenum	0.003	0.004	0.004	0.0038	0.00353	mg/L	No Guideline
Nickel	0.002	<0.002	<0.002	<0.002	0.00205	mg/L	No Guideline
Phosphorus	0.2	<0.2	<0.2	N/A	N/A	mg/L	No Guideline
Potassium	2.2	2.8	2.0	2.82	2.56	mg/L	No Guideline
Selenium	0.005	<0.005	<0.005	<0.005	<0.00050	mg/L	MAC =0.05
Silicon	5	<5	<5	N/A	N/A	mg/L	No Guideline
Silver	0.0005	<0.0005	<0.0005	N/A	N/A	mg/L	No Guideline
Sodium	11.1	12.4	11.4	13.1	12.4	mg/L	AO ≤200
Uranium	0.0023	0.0024	0.0022	0.00249	0.00245	mg/L	MAC =0.02
Zinc	0.04	<0.04	<0.04	<0.04	0.0160	mg/L	AO ≤5
<i>MAC = Maximum Acceptable Concentration AO = Aesthetic Objective</i>							