Whiskey Creek Distribution Water Analysis
979 Poplar Way

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic Objective.

Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		August 26 2009	May 18 2011	May 16 2012	June 5 2013											
Miscellaneous Inorganics																		
Fluoride	mg/L	1.5	MAC	<1.0	<1.0	<0.05	<0.05											
Alkalinity (total as $CaCO_3$)	mg/L			45	35	36	30											
Anions																		
Dissolved Sulphate	mg/L	500	AO	<2.0	<2.0	1.8	3.5											
Dissolved Chloride	mg/L	250	AO	4.6	7.5	9.8	18.3											
Nitrite	mg/L	1	MAC	<0.1	<0.1	<0.05	<0.05											
Miscellaneous																		
Apparent Colour	Colour Unit			12	22	5	7											
Nutrients																		
Total Ammonia	mg/L					<0.01	0.02											
Physical Properties																		
Conductivity	µS/cm			94.7	99.9	106.1	121											
pH	pH	7.0:10.5	AO	7.6	7.3	7.3	7											
TDS	mg/L	500	AO	84	100	58	94											
Turbidity	NTU			<0.5	<0.5	0.6	0.6											
Microbiological Parameters																		
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0											
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1	<1.0											
Calculated Parameters																		
Total Hardness ($CaCO_3$)	mg/L			190	33	39	44											
Nitrate	mg/L	10	MAC	0.1	<0.1	<0.05	0.08											
Elements																		
Total Mercury	mg/L	0.001	MAC	<0.01	<0.00001	<0.00001	<0.00001											
Total Metals																		
Total Aluminum	mg/L	0.1	OG	0.192	0.179	0.522	0.756											
Total Antimony	mg/L	0.006	MAC	<0.0002	<0.0002	<0.0002	<0.0002											
Total Arsenic	mg/L	0.01	MAC	0.0002	<0.0002	<0.0002	<0.0002											
Total Barium	mg/L	1	MAC	0.001	<0.001	<0.001	0.002											
Total Beryllium	mg/L					<0.00004	<0.00004											
Total Bismuth	mg/L					<0.001	<0.0010											
Total Boron	mg/L	5	MAC	<0.005	<0.005	<0.005	<0.005											
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001											
Total Chromium	mg/L	0.05	MAC	0.0005	0.0004	<0.0004	<0.0004											
Total Cobalt	mg/L					0.00002	0.00003											
Total Copper	mg/L	1	AO	0.001	0.008	0.003	0.009											
Total Iron	mg/L	0.3	AO	0.051	0.076	0.032	0.072											
Total Lead	mg/L	0.01	MAC	0.0003	0.0004	<0.0001	0.0058											
Total Manganese	mg/L	0.05	AO	0.0005	0.009	<0.005	0.012											
Total Molybdenum	mg/L					<0.0001	<0.0001											
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001											
Total Selenium	mg/L	0.05	MAC	<0.0006	<0.0006	<0.0006	<0.0006											
Total Silicon	mg/L					8.23	8.49											
Total Silver	mg/L			<0.00001	<0.00001	<0.00001	<0.00001											
Total Strontium	mg/L					0.021	0.026											
Total Thallium	mg/L					<0.00001	<0.00001											
Total Tin	mg/L					<0.0001	<0.0001											
Total Titanium	mg/L					<0.001	0.0026											
Total Uranium	mg/L	0.02	MAC	<0.0004	<0.0004	<0.0004	<0.0004											
Total Vanadium	mg/L					0.0014	0.0008											
Total Zinc	mg/L	5	AO	0.007	0.005	0.001	0.004											
Total Zirconium	mg/L																	
Total Calcium	mg/L			53.3	8.28	10.5	12.4											
Total Magnesium	mg/L			13.4	2.6	3.03	3.27											
Total Potassium	mg/L			0.8	0.1	0.2	0.21											
Total Sodium	mg/L	200	AO	101	7.78	7.41	8.96											
Total Sulphur	mg/L																	