

CDWG=Canadian Drinking Water Guidelines  
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration  
AO= Aesthetic Objective.



Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		April 20 2005	May 17 2006	May 22 2007	May 27 2008	May 13 2009	May 18 2010	May 18 2011	May 23 2012	June 5 2013	May 13 2014	May 19 2015				
<b>Miscellaneous Inorganics</b>																		
Fluoride	mg/L	1.5	MAC	<1.0	0.1	<1.0	<1.0	<1.0	<1.0	<1.0	0.08	0.08	0.1	0.093				
Alkalinity (total as CaCO )	mg/L			140	150	130	130	130	130	130	<20	130	130	123				
<b>Anions</b>																		
Dissolved Sulphate	mg/L	500	AO	6.8	9.1	8.4	7.3	8.3	8.3	8.5	8.7	8.6	8.2	8.09				
Dissolved Chloride	mg/L	250	AO	4.4	6.6	10.7	14.9	23.4	32.2	39.6	48.2	79	54.5	62				
Nitrite	mg/L	1	MAC	<0.1	<0.01	<0.1	<0.1	0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.0050				
<b>Miscellaneous</b>																		
Apparent Colour	Colour Unit			<5	<5	14	<5	8	19	<5	3	7	<5	<5				
<b>Nutrients</b>																		
Total Ammonia	mg/L										0.04	0.02	<0.02	0.018				
<b>Physical Properties</b>																		
Conductivity	µS/cm			283	286	300	318	340	385	395	60	416	440	464				
pH	pH	7.0:10.5	AO	8.1	8.3	8.2	8.24	8.2	8.2	8.2	8.3	8.1	8.2	8.17				
TDS	mg/L	500	AO	150	167	164	186	222	224	226	252	258	254	242				
Turbidity	NTU			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.19				
<b>Microbiological Parameters</b>																		
E.coli	MPN/100mL	<1	MAC		<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
Total Coliforms	MPN/100mL	<1	MAC	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
<b>Calculated Parameters</b>																		
Total Hardness (CaCO )	mg/L			130	130	140	130	160	150	140	170	180	170	171				
Nitrate	mg/L	10	MAC	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.020				
<b>Elements</b>																		
Total Mercury	mg/L	0.001	MAC	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				
<b>Total Metals</b>																		
Total Aluminum	mg/L	0.1	OG	<0.005	<0.005	<0.005	<0.05	<0.005	0.01	<0.005	<0.005	<0.005	<0.025	<0.003				
Total Antimony	mg/L	0.006	MAC	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005				
Total Arsenic	mg/L	0.01	MAC	0.002	0.0017	0.0017	0.004	0.0017	0.0016	0.0016	0.0018	0.0018	0.00171	0.00159				
Total Barium	mg/L	1	MAC	0.018	0.018	0.019	0.02	0.021	0.022	0.025	0.024	0.028	0.0264	0.0278				
Total Beryllium	mg/L										<0.00004	<0.00004	<0.00025	<0.0001				
Total Bismuth	mg/L										<0.001	<0.0010	<0.0005	<0.001				
Total Boron	mg/L	5	MAC	0.033	0.033	0.038	<0.02	0.04	0.042	0.065	0.048	0.052	0.051	<0.05				
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001				
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0025	<0.001				
Total Cobalt	mg/L										0.00005	0.00003	<0.0005	<0.0005				
Total Copper	mg/L	1	AO	0.006	0.001	0.005	<0.005	0.004	0.005	0.003	0.005	0.005	0.0043	0.0015				
Total Iron	mg/L	0.3	AO	<0.1	<0.1	<0.1	<0.05	<0.01	<0.01	0.02	<0.01	0.027	0.031	0.024				
Total Lead	mg/L	0.01	MAC	0.0005	<0.0001	0.0002	<0.0005	0.0001	0.0002	0.0002	<0.0001	0.0018	0.0006	0.0004				
Total Manganese	mg/L	0.05	AO	0.01	0.014	0.014	0.018	0.0222	0.0208	0.015	0.015	0.0109	0.011	0.0169				
Total Molybdenum	mg/L										0.0009	0.0012	0.00093	<0.001				
Total Nickel	mg/L							<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001				
Total Selenium	mg/L	0.05	MAC	<0.0002	<0.0002	<0.0002	0.003	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0001				
Total Silicon	mg/L										6.45	6.85	6.77	6.86				
Total Silver	mg/L							<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00025	<0.00002				
Total Strontium	mg/L										0.34	0.345	0.302	0.316				
Total Thallium	mg/L										<0.00001	<0.00001	<0.00005	<0.00005				
Total Tin	mg/L										<0.0001	0.0003	<0.0005	<0.0005				
Total Titanium	mg/L										0.003	<0.0010	<0.0025	<0.0005				
Total Uranium	mg/L	0.02	MAC	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00033	0.00034				
Total Vanadium	mg/L										0.0003	0.0003	<0.0005	<0.0005				
Total Zinc	mg/L	5	AO	0.006	0.003	0.011	<0.005	0.01	0.009	0.004	0.001	0.003	0.0246	<0.005				
Total Zirconium	mg/L													<0.0005				
Total Calcium	mg/L			32	32.4	34.4	31.2	40	38.7	35.6	42.8	44.3	42.2	44.8				
Total Magnesium	mg/L			11.6	11	12.2	11.4	13.8	13.9	13.6	15.5	15.8	14.9	14.3				
Total Potassium	mg/L			0.8	1	1.1	1	1.4	1.2	1.3	13	1.54	1.2	1.31				
Total Sodium	mg/L	200	AO	11	11.4	12.7	13.8	14.7	16.1	17.2	17.8	21.8	22.1	20.9				
Total Sulphur	mg/L													<3.0				