

CDWG=Canadian Drinking Water Guidelines  
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration  
AO= Aesthetic Objective.

**Orange font indicates non-compliance with the Aesthetic Objective in the Canadian Drinking Water Guidelines (CDWG)**  
**Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG**

	Units	CDWG		April 20 2005	May 17 2006	May 22 2007	May 26 2008	May 11 2009	May 19 2010	May 18 2011	May 16 2012	June 5 2013	May 13 2014	May 19 2015	May 10 2016
<b>Miscellaneous Inorganics</b>															
Fluoride	mg/L	1.5	MAC	<1.0	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	0.05	<0.05	0.05	0.042	0.039
Alkalinity (total as CaCO )	mg/L			73	90	81	80	75	87	93	92	86	84	84.9	102
<b>Anions</b>															
Dissolved Sulphate	mg/L	500	AO	<2	9.1	<2.0	<2.0	<2.0	<2.0	<2.0	1	1.2	1.2	0.82	0.83
Dissolved Chloride	mg/L	250	AO	80.5	61.2	74.8	79.4	98.5	62	67.5	77	7	78	87	82
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	<0.0050
<b>Miscellaneous</b>															
Apparent Colour	Colour Unit			20	13	15	6	<5	<5	<5	6	7	<5	<5	10
<b>Nutrients</b>															
Total Ammonia	mg/L										0.03	<0.01	<0.02	0.024	0.011
<b>Physical Properties</b>															
Conductivity	µS/cm			443	388	350	438	480	393	397	451	447	458	468	472
pH	pH	7.0:10.5	AO	6.8	6.9	7.8	6.98	7	7	7.1	7.1	6.9	7	7.95	7.66
TDS	mg/L	500	AO	280	253	228	302	316	258	264	262	326	290	294	306
Turbidity	NTU			<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	0.14
<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	<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	<1.0
<b>Calculated Parameters</b>															
Total Hardness (CaCO )	mg/L			130	120	140	130	140	130	120	150	150	140	144	146
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	<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	<0.00001
<b>Total Metals</b>															
Total Aluminum	mg/L	0.1	OG	<0.005	<0.005	<0.005	<0.05	<0.005	0.011	<0.005	<0.005	<0.005	<0.025	<0.003	<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	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.02	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00025	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.02	0.023	0.024	0.02	0.023	0.025	0.025	0.026	0.032	0.0264	0.03	0.0328
Total Beryllium	mg/L										<0.00004	<0.00004	<0.00025	<0.0001	<0.0001
Total Bismuth	mg/L										<0.001	<0.0010	<0.0005	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.007	0.006	0.008	<0.02	0.029	0.014	0.006	0.008	0.006	<0.010	<0.050	<0.050
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	<0.00001
Total Chromium	mg/L	0.05	MAC	0.0007	<0.0005	<0.0005	<0.003	<0.0004	<0.0004	<0.0004	0.0007	0.0004	<0.0025	<0.001	<0.001
Total Cobalt	mg/L										0.00004	<0.00002	<0.0005	<0.0005	<0.0005
Total Copper	mg/L	1	AO	0.007	0.034	0.019	<0.005	0.008	0.004	0.004	0.004	0.003	0.0062	0.00147	0.00167
Total Iron	mg/L	0.3	AO	<0.1	0.4	0.4	0.27	0.04	0.191	0.172	0.121	0.061	0.135	0.0693	0.0704
Total Lead	mg/L	0.01	MAC	0.0032	0.002	0.0015	<0.0005	0.0011	0.0004	0.0007	0.0016	0.0012	0.0007	0.0004	0.00029
Total Manganese	mg/L	0.05	AO	<0.005	0.024	0.082	0.0094	0.0913	0.0077	0.014	<0.005	<0.0050	<0.0050	0.0028	0.0027
Total Molybdenum	mg/L										<0.0001	<0.0001	<0.00025	<0.001	<0.001
Total Nickel	mg/L							<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0002	<0.0002	<0.0002	<0.003	0.0007	<0.0006	<0.0006	<0.0006	<0.0006	<0.0005	<0.0001	<0.0001
Total Silicon	mg/L										14.5	14.2	14.3	14.8	15.2
Total Silver	mg/L							<0.00001	<0.00001	0.00002	<0.00001	0.00002	<0.00025	<0.00002	<0.00002
Total Strontium	mg/L										0.07	0.078	0.0692	0.0691	0.0787
Total Thallium	mg/L										<0.00001	<0.00001	<0.00005	<0.00005	<0.00005
Total Tin	mg/L										<0.0001	<0.0001	<0.0005	<0.005	<0.005
Total Titanium	mg/L										<0.001	0.0023	<0.0025	<0.005	<0.005
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	<0.00005	<0.0001	<0.0001
Total Vanadium	mg/L										0.0001	0.0001	<0.0005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.033	0.051	0.047	0.056	0.028	0.023	0.021	0.021	0.032	0.0892	0.0603	0.0316
Total Zirconium	mg/L													<0.0005	<0.0005
Total Calcium	mg/L			31.6	31.9	36.6	34.4	33.5	32.5	29.7	37.7	39	36.4	37.8	36.8
Total Magnesium	mg/L			11.2	10.6	12.8	11.8	12.5	11.5	10.8	13	13.4	12.7	12	13.1
Total Potassium	mg/L			<0.4	<0.4	0.4	0.4	0.4	0.6	0.4	0.6	0.62	<0.5	0.426	0.469
Total Sodium	mg/L	200	AO	36	21.9	14.8	29.9	43.3	23.8	26.3	31.4	33.6	35.4	29	31.1
Total Sulphur	mg/L													<3.0	<3.0