Arbutus Distribution Water Analysis Results

Location: 2329 Chain Way

Canadian Drinking Water Guidelines Package

CDWG=Canadian Drinking Water Guidelines MAC=Maximum Acceptable Concentration AO=Aesthetic Objective
IMAC=Interim Maximum Acceptable Concentration OG=Operational Guidance Value

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines			28-Jun		20-Apr	17-May	22-May	27-May	13-May	18-May	25-May						
	Units	CDWG		2001	2004	2005	2006	2007	2008	2009	2010	2011						
Total Ammonia (N)	mg/L											0.42						
Color	CU	≤15	AO	**23**	13	7	**37**	13	15	**25**	9	**19**						
Conductivity	uS		MAC	351	381	377	379	348	365	354	352	332						
TDS	mg/L	500	AO	187	220	210	220	202	238	242	222	206						
Hardness (CaCO3)	mg/L	80-100	AO	**108.3**	**110**	**120**	**110**	**120**	**110**	**120**	**120**	**110**						
pH	pH units	6.5-8.5	AO	7.53	7.7	7.6	7.7	7.6	7.8	7.7	7.8	7.9						
Turbidity	NTU's	5	AO	0.37	0.8	<0.5	0.9	<0.5	<0.5	0.7	<0.5	1.0						
Alkalinity	mg/L			137	140	150	150	51	140	140	140	140						
Chloride	mg/L	250	AO	20.5	23.4	2.8	27.9	19.4	22.9	22.9	20.1	17.1						
Fluoride	mg/L	1.5	MAC	0.17	<1.0	<1.0	0.2	<1.0	<1.0	<1.0	<1.0	<1.0						
Sulfate	mg/L	≤500	AO	1.27	9.4	<2	2.6	2.8	3.3	4	4.3	4.1						
Nitrate	mg/L	10	MAC	0.041	<0.1	<0.1	0.06	<0.1	<0.1	<1.0	<0.1	<0.1						
Nitrite	mg/L	1	MAC	<0.002	<0.1	<0.1	<0.01	<0.1	<0.1	<1.0	<0.1	<0.1						
T-Aluminum	mg/L	0.100	OG	0.015	<0.005	<0.005	<0.005	<0.005	<0.05	0.005	0.011	<0.005						
T-Antimony	mg/L	0.006	MAC	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002						
T-Arsenic	mg/L	0.010	MAC	<0.01	0.0019	0.0021	0.0014	0.001	<0.001	0.002	0.0014	0.0014						
T-Barium	mg/L	1.0	MAC	0.0087	0.006	0.006	0.009	0.008	0.005	0.007	0.006	0.006						
T-Boron	mg/L	5.0	IMAC	0.073	0.084	0.07	0.072	0.079	0.06	0.072	0.072	0.073						
T-Cadmium	mg/L	0.005	MAC	<0.0006	<0.0001	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001						
T-Calcium	mg/L			27	27.4	28.5	27.8	29.8	26	31.2	28.9	27						
T-Chromium	mg/L	0.05	MAC	<0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	0.0004	<0.0004						
T-Copper	mg/L	≤1	AO	0.003	0.002	<0.001	0.002	0.002	<0.005	0.001	0.002	0.004						
T-Iron	mg/L	≤0.3	AO	**0.878**	**0.4**	0.2	**0.5**	**0.6**	**0.35**	**0.36**	0.233	0.221						
T-Lead	mg/L	0.010	MAC	0.003	0.0003	0.0003	0.0001	0.0001	<0.0005	0.0001	0.0004	0.0002						
T-Lithium	mg/L									<0.001	<0.001	<0.001						
T-Magnesium	mg/L		AO	9.93	10.2	10.8	9.7	11	9.7	11	10.5	10.2						
T-Manganese	mg/L	≤0.05	AO	**0.282**	**0.184**	**0.18**	**0.209**	**0.257**	**0.201**	**0.245**	**0.11**	**0.118**						
T-Mercury	mg/L	0.001	MAC	<0.0001	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.00001						
T-Nickel	mg/L									<0.001	<0.001	<0.001						
T-Phosphorus	mg/L									0.75	0.693	0.69						
T-Potassium	mg/L			2.3	2.6	3	2.7	2.6	2.4	<0.0006	2.4	2.5						
T-Selenium	mg/L	0.01	MAC	0.009	<0.0002	<0.0002	<0.0002	<0.0002	<0.003	<0.00001		<0.0006						
T-Silver	mg/L										0.00001	<0.00001						
T-Sodium	mg/L	≤200	AO	29.3	35	35	34.4	31.7	32.4	31.2	29.6	27.3						
T-Uranium	mg/L	0.02	MAC	<0.06	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004						
T-Zinc	mg/L	≤5	AO	0.0047	0.008	0.006	0.006	0.01	<0.005	0.007	0.003	0.005						
Total Coliform	cfu/100ml	<1	MAC	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0						
Fecal Coliform	cfu/100ml	<1	MAC	<1	<1	<1	<1	<1										
E.coli	cfu/100ml	<1	MAC				<1	<1	<1	<1.0	<1.0	<1.0						
Tannins & Lignins	mg/l	0.4	AO		n/a	n/a	n/a											
Trihalomethanes	mg/l	0.1	MAC		n/a	n/a	0.026											

Fairwinds Distribution Water Analysis Results

Location: 3500 Fairwinds Drive

Canadian Drinking Water Guidelines Package
*2001 Sample Collected at 3541 Shelby Lane
~Second 2010 Sample Collected at 3429 Redden Road
*Second 2011 Sample Collected at 3383 Redden Road

CDWG=Canadian Drinking Water Guidelines MAC=Maximum Acceptable Concentration AO=Aesthetic Objective
IMAC=Interim Maximum Acceptable Concentration OG= Operational Guidance Value

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines			14-Apr	28-Jun	06-Mar	23-Apr		20-Apr	17-May	22-May	27-May	13-May	18-May	18-May	25-May	25-May
	Units	CDWG		2000	2001*	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010~	2011	2011*
Total Ammonia (N)	mg/L															<0.01	<0.01
Color	CU	≤15	AO	15	12	13	10	**24**	**20**	**28**	**19**	**24**	**55**	**19**	7	**26**	**21**
Conductivity	uS		MAC	291	352	327	355	376	380	386	352	380	394	354	360	348	349
TDS	mg/L	500	AO	211	193	193	187	210	200	260	200	250	258	234	224	218	210
Hardness (CaCO3)	mg/L	80-100	AO	88	**109.8**	**108**	**110.4**	**110**	**110**	**110**	**120**	100	**120**	**120**	**120**	**110**	**110**
pH	pH units	6.5-8.5	AO	7.35	7.63	7.53	7.58	7.8	7.7	7.7	7.4	7.86	7.8	7.7	7.7	7.9	7.9
Turbidity	NTU's	5	AO	1.1	0.15	0.4	0.38	0.9	1	0.9	<0.5	1.2	1.5	0.9	<0.5	1.1	0.6
Alkalinity	mg/L			151	138	138	142	140	150	150	150	140	140	140	140	150	140
Chloride	mg/L	250	AO	12.5	21.9	21.52	17.16	25.6	27.9	29.4	20.6	28.7	35.6	20.1	20.7	20.9	21.8
Fluoride	mg/L	1.5	MAC	0.12	0.17	0.19	0.12	<1.0	<1.0	0.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	≤500	AO	0.5	1.26	0.91	1.36	16.8	<2	2.6	2.9	3.4	4.5	4.6	4.5	4.1	3.9
Nitrate	mg/L	10	MAC	0.33	0.053	0.03	0.17	<0.1	<0.1	0.02	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Nitrite	mg/L	1	MAC	0.068	0.309	0.03	<0.01	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
T-Aluminum	mg/L	0.100	OG		0.015	<.009	0.006	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.01	0.008	<0.005	<0.005
T-Antimony	mg/L	0.006	MAC		<.006	<.006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
T-Arsenic	mg/L	0.010	MAC	0.001	<.01	<.01	0.0009	0.0015	0.001	0.0014	0.0009	<0.001	0.0013	0.001	0.0008	0.001	0.0009
T-Barium	mg/L	1.0	MAC	0.005	0.0049	0.0079	0.006	0.007	0.007	0.007	0.007	0.006	0.007	0.007	0.005	0.008	0.005
T-Boron	mg/L	5.0	IMAC	0.1	0.071	0.074	0.081	0.085	0.07	0.07	0.075	0.06	0.071	0.071	0.063	0.072	0.07
T-Cadmium	mg/L	0.005	MAC		<.0006	<.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
T-Calcium	mg/L				27.3	27.4	26.9	28.1	28.1	26.9	29.5	25	31.2	29.2	28.9	27.4	26.5
T-Chromium	mg/L	0.05	MAC		<.009	<.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	0.0005	<0.0004	<0.0004	<0.0004
T-Copper	mg/L	≤1	AO		0.002	0.003	0.005	0.006	0.006	0.004	0.003	<0.005	0.002	0.004	0.003	0.003	0.002
T-Iron	mg/L	≤0.3	AO	0.170	0.107	**0.686**	**0.300**	**0.500**	**0.500**	**0.500**	**0.600**	**0.510**	**0.470**	**0.556**	0.093	**0.64**	0.24
T-Lead	mg/L	0.010	MAC		<0.002	0.003	0.0004	0.0003	0.0005	0.0001	0.0001	<0.0005	0.0001	0.0001	0.0001	0.0002	0.0002
T-Lithium	mg/L												<0.001	<0.001	<0.001	<0.001	<0.001
T-Magnesium	mg/L		AO	9.24	10.1	9.61	10.5	10.4	10.6	9.5	10.8	9.5	10.9	10.5	10.4	10.3	10
T-Manganese	mg/L	≤0.05	AO	**0.1100**	**0.0796**	**0.2590**	**0.1010**	**0.1860**	**0.1900**	**0.1820**	**0.2240**	**0.2200**	**0.2280**	**0.2090**	0.044	**0.197**	**0.071**
T-Mercury	mg/L	0.001	MAC		<.0001	<.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.00001	<0.00001
T-Nickel	mg/L												<0.001	<0.001	<0.001	<0.001	<0.001
T-Phosphorus	mg/L												0.776	0.777	0.635	0.832	0.702
T-Potassium	mg/L				2.4	2.6	2.5	2.6	2	2.6	2.5	2.4	2.7	2.6	2.5	2.5	2.5
T-Selenium	mg/L	0.01	MAC		0.013	<.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.003	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
T-Silver	mg/L												<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
T-Sodium	mg/L	≤200	AO		29.8	31	28.6	36	36	34.8	31.6	35	40.7	31.6	31.8	29.6	29.5
T-Uranium	mg/L	0.02	MAC		<.06	<.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
T-Zinc	mg/L	≤5	AO	0.009	0.0037	0.0046	0.007	0.007	0.006	0.006	0.01	0.007	0.006	0.003	0.004	0.004	0.003
Total Coliform	cfu/100ml	<1	MAC	<1	<1	n/a	n/a	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fecal Coliform	cfu/100ml	<1	MAC	<1	<1	n/a	n/a	<1	<1	<1	<1						
E.coli	cfu/100ml	<1	MAC							<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tannins & Lignins	mg/l	0.4	AO	n/a	n/a	0.15	n/a	n/a	n/a	n/a							
Trihalomethanes	mg/l	0.1	MAC	n/a	n/a	n/a	n/a	n/a	n/a	0.044							

Madrona Distribution Water Analysis Results

Location: 1566 Arbutus Drive

Canadian Drinking Water Guidelines Package
* Bulk water online
** Sample collected at 1358 Madrona Drive

CDWG=Canadian Drinking Water Guidelines MAC=Maximum Acceptable Concentration AO=Aesthetic Objective
IMAC=Interim Maximum Acceptable Concentration OG= Operational Guidance Value
Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines				28-Jun	06-Mar			20-Apr	17-May	22-May	27-May	13-May	18-May	25-May			
	Units	CDWG		2000	2001**	2002	2003	2004	2005	2006*	2007*	2008	2009	2010	2011			
Total Ammonia (N)	mg/L														<0.01			
Color	CU	≤15	AO	7	4	4	9	**16**	6	7	11	6	<5	**20**	10			
Conductivity	uS		MAC	300	321	324	320	357	356	55.6	62.5	339	338	335	326			
TDS	mg/L	500	AO	191	180	173	173	233	230	53	38	214	226	224	194			
Hardness ($CaCO_3$)	mg/L	80-100	AO	**77**	**124.4**	**29.5**	**37.3**	**51**	**62**	**21**	**27**	**110**	**130**	**110**	85			
pH	pH units	6.5-8.5	AO	8.02	7.92	8.35	8.28	8.1	7.9	**6.3**	6.8	7.76	8.1	8.1	8.2			
Turbidity	NTU's	5	AO	0.11	<.05	0.52	0.07	0.5	<0.5	0.6	<0.5	<0.5	<0.5	0.5	0.5			
Alkalinity	mg/L			141	131	132	136	140	140	19	21	140	140	150	140			
Chloride	mg/L	250	AO	14.8	15.5	27.82	24.7	23.3	22.9	4.2	4.4	16.7	14.5	11.1	13.4			
Fluoride	mg/L	1.5	MAC	0.07	0.09	0.16	0.1	<1.0	<1.0	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0			
Sulfate	mg/L	≤500	AO	5.9	12.4	2.52	3.33	10.5	2.6	1.3	<2.0	6.6	8	7	6.8			
Nitrate	mg/L	10	MAC	0.18	<.004	<.002	0.19	0.2	<0.1	0.03	<0.1	0.7	0.9	0.2	<0.1			
Nitrite	mg/L	1	MAC	<.002	<.002	<.006	<0.01	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1			
T-Aluminum	mg/L	0.100	OG	0.083	0.043	0.046	0.006	0.007	0.008	0.024	0.03	<0.05	<0.005	0.013	<0.005			
T-Antimony	mg/L	0.006	MAC		<.006	<.006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002			
T-Arsenic	mg/L	0.010	MAC	0.005	<.01	0.01	0.0093	0.0093	0.0069	0.0002	<0.0002	0.005	0.0044	0.0039	0.0054			
T-Barium	mg/L	1.0	MAC	0.012	0.014	0.0099	0.008	0.012	0.008	0.005	0.005	0.007	0.008	0.012	0.01			
T-Boron	mg/L	5.0	IMAC	0.09	0.047	0.187	0.175	0.167	0.13	0.006	0.008	0.05	0.078	0.072	0.11			
T-Cadmium	mg/L	0.005	MAC	<.0002	<.0006	<.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001			
T-Calcium	mg/L			20.1	32.5	8.1	10	13.6	16	6.7	8.1	27.8	34.9	29.3	22			
T-Chromium	mg/L	0.05	MAC	<.001	<.0009	<.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	0.0004	<0.0004	<0.0004			
T-Copper	mg/L	≤1	AO	0.008	0.001	0.004	0.007	0.082	0.004	0.013	0.01	<0.005	0.008	0.008	0.005			
T-Iron	mg/L	≤0.3	AO	<.05	0.032	0.066	<0.1	**0.7**	0.1	<0.1	<0.1	0.12	<0.01	<0.01	0.045			
T-Lead	mg/L	0.010	MAC	<.001	<.002	<.002	0.0003	0.0049	0.0003	0.0002	0.0003	<0.0005	0.0003	0.0004	0.0003			
T-Lithium	mg/L												0.001	<0.001	<0.001			
T-Magnesium	mg/L		AO	7.23	10.5	2.26	3	4.2	5.4	1	1.6	8.8	9.36	9.48	7.37			
T-Manganese	mg/L	≤0.05	AO	0.038	0.0964	0.0154	0.017	**0.101**	**0.055**	0.006	<0.005	**0.0788**	0.0031	**0.0557**	0.033			
T-Mercury	mg/L	0.001	MAC	<.05	<.0001	<.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.00001			
T-Nickel	mg/L												<0.001	<0.001	<0.001			
T-Phosphorus	mg/L												0.122	0.143	0.201			
T-Potassium	mg/L			1.21	1.1	1.7	1.7	1.8	2	<0.4	<0.4	1.5	1.2	1.2	1.5			
T-Selenium	mg/L	0.01	MAC	<.002	0.005	<.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.003	<0.0006	<0.0006	<0.0006			
T-Silver	mg/L												<0.00001	<0.00001	<0.00001			
T-Sodium	mg/L	≤200	AO	33.3	11.5	66.9	61.5	59.8	53.3	2.3	2.5	26.5	28.8	27.9	37.5			
T-Uranium	mg/L	0.02	MAC	<.0005	<.06	<.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004			
T-Zinc	mg/L	≤5	AO	<.005	0.0018	0.0053	0.002	0.006	0.007	0.006	0.015	<0.005	0.008	1	0.005			
Total Coliform	cfu/100ml	<1	MAC	<2	<1	n/a	n/a	<1	<1	<1	**12**	<1.0	<1.0	<1.0	<1.0			
Fecal Coliform	cfu/100ml	<1	MAC	<2	<1	n/a	n/a	<1	<1	<1	<1							
E.coli	cfu/100ml	<1	MAC							<1	<1	<1.0	<1.0	<1.0	<1.0			
Tannins & Lignins	mg/l	0.4	AO	n/a	n/a	0.2	n/a	n/a	n/a	n/a								
Trihalomethanes	mg/l	0.1	MAC	n/a	n/a	n/a	n/a	n/a	n/a	0.032								

Nanoose Distribution Water Analysis Results

Location: 1961 Harlequin Crescent

Canadian Drinking Water Guidelines Package

* 2001 sample collected at 1270 Seadog

~Second Sample Collected at 1270 Sea Dog Road

CDWG=Canadian Drinking Water Guidelines MAC=Maximum Acceptable Concentration AO=Aesthetic Objective

IMAC=Interim Maximum Acceptable Concentration OG= Operational Guidance Value

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines			28-Jun				20-Apr	17-May	22-May	27-May	13-May	18-May	18-May	25-May	25-May		
	Units	CDWG		2001*	2002	2003	2004	2005	2006	2007	2008	2009	2010	2010~	2011	2011~		
Total Ammonia (N)	mg/L														0.58	0.56		
Color	CU	≤15	AO	**27**	**45**	14	**22**	6	14	12	**18**	**19**	6	<5	**20**	**19**		
Conductivity	uS		MAC	349	304	362	357	356	357	358	372	385	368	354	350	347		
TDS	mg/L	500	AO	200	193	187	233	210	233	206	238	260	236	236	214	210		
Hardness (CaCO3)	mg/L	80-100	AO	**132.1**	**128**	**149.3**	**140**	**140**	**140**	**150**	**130**	**170**	**150**	**130**	**160**	**130**		
pH	pH units	6.5-8.5	AO	7.69	7.52	7.68	7.8	7.6	7.7	7.7	7.86	7.8	7.8	8	8	8		
Turbidity	NTU's	5	AO	0.84	0.27	0.36	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6		
Alkalinity	mg/L			145	144	150	150	150	150	150	150	150	150	150	150	150		
Chloride	mg/L	250	AO	14.4	11.28	9.42	11.6	10.9	12.8	9	13.1	14.2	9.9	9.8	10.5	10.8		
Fluoride	mg/L	1.5	MAC	0.15	0.14	0.08	<1.0	<1.0	0.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Sulfate	mg/L	≤500	AO	15.4	12.07	23.65	22.8	15.5	14.9	15.3	15.4	21.2	18.6	14.2	14.1	13.7		
Nitrate	mg/L	10	MAC	0.092	0.04	0.1	0.2	0.3	0.04	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1		
Nitrite	mg/L	1	MAC	<.002	0.04	<0.01	<0.01	<0.1	<0.01	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1		
T-Aluminum	mg/L	0.100	OG	0.014	<.009	0.006	<0.005	<0.005	<0.005	0.013	<0.05	<0.005	0.009	0.009	<0.005	<0.005		
T-Antimony	mg/L	0.006	MAC	<.006	<.006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
T-Arsenic	mg/L	0.010	MAC	<.01	<.01	0.001	0.0011	0.001	0.0011	0.0009	0.004	0.0009	0.0013	0.0014	0.0014	0.0013		
T-Barium	mg/L	1.0	MAC	0.0169	0.0121	0.033	0.015	0.023	0.028	0.03	0.02	0.032	0.026	0.014	0.013	0.014		
T-Boron	mg/L	5.0	IMAC	0.065	0.058	0.055	0.065	0.052	0.058	0.069	0.05	0.074	0.06	0.066	0.065	0.064		
T-Cadmium	mg/L	0.005	MAC	<.0006	<.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		
T-Calcium	mg/L			34.6	32.1	45.3	35	41.1	40.7	44.6	37.6	51.8	44.3	35.2	32.8	33		
T-Chromium	mg/L	0.05	MAC	<.0009	<.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004		
T-Copper	mg/L	≤1	AO	0.002	0.002	0.004	0.004	0.002	0.004	0.005	<0.005	0.004	0.003	0.005	0.003	0.002		
T-Iron	mg/L	≤0.3	AO	**0.507**	**0.199**	0.2	<0.1	<0.1	<0.1	<0.1	0.07	0.03	0.094	0.044	0.069	0.07		
T-Lead	mg/L	0.010	MAC	<.002	<.002	0.0002	0.0003	0.0003	0.0004	0.0005	<0.0005	0.0005	0.0002	0.0003	0.0002	0.0002		
T-Lithium	mg/L											0.002	0.002	0.001	<0.001	<0.001		
T-Magnesium	mg/L		AO	11.1	11.6	8.8	11.6	9.5	8.2	9.5	9	9.66	9.05	10.9	10.9	11		
T-Manganese	mg/L	≤0.05	AO	**0.208**	**0.175**	**0.118**	**0.102**	**0.083**	**0.11**	**0.123**	**0.134**	**0.0997**	**0.0921**	**0.106**	**0.104**	**0.116**		
T-Mercury	mg/L	0.001	MAC	<.0001	<.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01	<0.00001	<0.00001		
T-Nickel	mg/L											<0.001	<0.001	<0.001	<0.001	<0.001		
T-Phosphorus	mg/L											0.349	0.349	0.459	0.434	0.439		
T-Potassium	mg/L			2.2	2.4	2	2.5	2	2.1	2.2	2	2.2	1.9	2.3	2.3	2.2		
T-Selenium	mg/L	0.01	MAC	<.004	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.003	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006		
T-Silver	mg/L											<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		
T-Sodium	mg/L	≤200	AO	20.1	23.3	16.2	22.3	19	21.1	19.7	21.9	23.6	20.2	23.6	21.1	21.4		
T-Uranium	mg/L	0.02	MAC	<.06	<.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004		
T-Zinc	mg/L	≤5	AO	0.0029	0.0028	0.017	0.004	0.013	0.022	0.025	0.01	0.017	0.008	0.002	0.003	0.003		
Total Coliform	cfu/100ml	<1	MAC	<1	n/a	n/a	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Fecal Coliform	cfu/100ml	<1	MAC	<1	n/a	n/a	<1	<1	<1	<1								
E.coli	cfu/100ml	<1	MAC						<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
Tannins & Lignins	mg/l	0.4	AO	n/a	0.15	n/a	n/a		n/a	n/a								
Trihalomethanes	mg/l	0.1	MAC	n/a	n/a	n/a	n/a		0.01	n/a								

West Bay Distribution Water Analysis Results

Location: 2315 Ida Lane

Canadian Drinking Water Guidelines Package

CDWG=Canadian Drinking Water Guidelines MAC=Maximum Acceptable Concentration AO=Aesthetic Objective
IMAC=Interim Maximum Acceptable Concentration OG= Operational Guidance Value

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines			28-Jun	23-Apr		20-Apr	17-May	22-May	27-May	13-May	18-May	25-May					
	Units	CDWG		2001	2003	2004	2005	2006	2007	2008	2009	2010	2011					
Total Ammonia (N)	mg/L												0.52					
Color	CU	≤15	AO	8	11	8	6	**18**	14	**20**	12	12	**25**					
Conductivity	uS		MAC	361	361	374	345	380	352	324	341	349	340					
TDS	mg/L	500	AO	187	187	250	220	213	202	212	230	232	202					
Hardness (CaCO3)	mg/L	80-100	AO	**109.9**	**110.2**	**110**	**110**	**110**	**120**	100	**140**	**120**	**110**					
pH	pH units	6.5-8.5	AO	7.7	7.78	7.7	7.7	7.8	7.7	7.97	8.1	7.9	8					
Turbidity	NTU's	5	AO	0.11	0.16	0.6	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	0.7					
Alkalinity	mg/L			145	147	140	150	160	310	140	150	150	140					
Chloride	mg/L	250	AO	10.8	17.62	24.3	17.7	27.3	19.3	10.8	15.6	15.7	16.1					
Fluoride	mg/L	1.5	MAC	0.17	0.11	<1.0	<1.0	0.2	<1.0	<1.0	<1.0	<1.0	<1.0					
Sulfate	mg/L	≤500	AO	1.48	1.81	11.9	<2	2.6	2.9	<2.0	5	5.8	4.7					
Nitrate	mg/L	10	MAC	0.593	<0.01	<0.1	<0.1	0.04	<0.1	<0.1	<0.1	<0.1	<0.1					
Nitrite	mg/L	1	MAC	<0.002	<0.01	<0.1	<0.1	<0.01	<0.1	<0.1	0.1	<0.1	<0.1					
T-Aluminum	mg/L	0.100	OG	0.014	0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	0.015	<0.005					
T-Antimony	mg/L	0.006	MAC	<0.006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002					
T-Arsenic	mg/L	0.010	MAC	<0.01	0.0009	0.0012	0.0009	0.0013	0.0008	0.002	0.0018	0.001	0.0009					
T-Barium	mg/L	1.0	MAC	<0.0006	0.005	0.005	0.005	0.005	0.005	<0.005	0.007	0.006	0.006					
T-Boron	mg/L	5.0	IMAC	<0.008	0.08	0.084	0.066	0.07	0.078	0.05	0.063	0.068	0.071					
T-Cadmium	mg/L	0.005	MAC	<0.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0003	<0.00001	<0.00001	<0.00001					
T-Calcium	mg/L			27.5	27.3	28.9	27.8	28.6	30.6	25.5	35.8	31.2	28.6					
T-Chromium	mg/L	0.05	MAC	<0.0009	<0.0005	<0.0003	<0.0005	<0.0005	<0.0005	<0.003	<0.0004	0.0004	<0.0004					
T-Copper	mg/L	≤1	AO	0.002	0.002	0.001	0.002	0.005	0.002	<0.005	0.001	0.003	0.002					
T-Iron	mg/L	≤0.3	AO	0.092	0.2	<0.1	0.2	<0.1	<0.1	**0.35**	0.19	0.046	0.082					
T-Lead	mg/L	0.010	MAC	<0.002	0.0003	0.0001	0.0003	0.0001	0.0001	<0.0005	0.0002	0.0002	0.0003					
T-Lithium	mg/L										<0.001	<0.001	<0.001					
T-Magnesium	mg/L		AO	10	10.2	10.3	10.3	9.7	10.8	8.9	11.3	9.82	9.51					
T-Manganese	mg/L	≤0.05	AO	**0.13**	**0.174**	**0.142**	**0.15**	**0.087**	**0.099**	**0.208**	**0.136**	**0.0912**	**0.103**					
T-Mercury	mg/L	0.001	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.00001					
T-Nickel	mg/L										<0.001	<0.001	<0.001					
T-Phosphorus	mg/L										0.526	0.564	0.6					
T-Potassium	mg/L			2.3	2.7	2.6	2	2.7	2.6	2.3	2.3	2.4	2.4					
T-Selenium	mg/L	0.01	MAC	<0.004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.003	<0.0006	<0.0006	<0.0006					
T-Silver	mg/L										<0.00001	<0.00001	<0.00001					
T-Sodium	mg/L	≤200	AO	30.7	28.9	35.4	29	34.9	31.3	23.5	26.9	26.7	25.8					
T-Uranium	mg/L	0.02	MAC	<0.06	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0004					
T-Zinc	mg/L	≤5	AO	0.0018	0.003	0.004	0.006	0.005	0.009	<0.005	0.006	0.003	0.003					
Total Coliform	cfu/100ml	<1	MAC	<1	n/a	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0					
Fecal Coliform	cfu/100ml	<1	MAC	<1	n/a	<1	<1	<1	<1									
E.coli	cfu/100ml	<1	MAC					<1	<1	<1.0	<1.0	<1.0	<1.0					
Tannins & Lignins	mg/l	0.4	AO		n/a	n/a	n/a	n/a	n/a									
Trihalomethanes	mg/l	0.1	MAC		n/a	n/a	n/a	0.03	n/a									