

# Madrona Distribution Water Analysis Results

**Location: 1566 Arbutus Drive**

Canadian Drinking Water Guidelines Package

\* Bulk water online

\*\* Sample collected at 1358 Madrona Drive

MAC=Maximum Acceptable Concentration IMAC=Interim Maximum Acceptable Concentration AO=Aesthetic Objective

CDWG=Canadian Drinking Water Guidelines BCAWQG=British Columbia Approved Water Quality Guidelines

Red font indicates non-compliance with Canadian Drinking Water Guidelines

Parameters	Water Quality Guidelines				1999	2000	28-Jun 2001**	06-Mar 2002	2003	2004	20-Apr 2005	17-May 2006*	22-May 2007*	27-May 2008	13-May 2009	18-May 2010
	Units	CDWG	BCAWQG													
Color	CU	15	</=15	AO		7	4	4	9	16	6	7	11	6	<5	20
Conductivity	uS		700	MAC		300	321	324	320	357	356	55.6	62.5	339	338	335
TDS	mg/L	500	</=500	AO		191	180	173	173	233	230	53	38	214	226	224
Hardness (CaCO3)	mg/L	80-100	</=500	AO		77	124.4	29.5	37.3	51	62	21	27	110	130	110
pH	pH units	6.5-8.5	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
Turbidity	NTU's	5	1	MAC		0.11	<.05	0.52	0.07	0.5	<0.5	0.6	<0.5	<0.5	<0.5	0.5
Alkalinity	mg/L					141	131	132	136	140	140	19	21	140	140	150
Chloride	mg/L	250	</=250	AO		14.8	15.5	27.82	24.7	23.3	22.9	4.2	4.4	16.7	14.5	11.1
Fluoride	mg/L	1.5	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
Sulfate	mg/L	500	</=500	AO		5.9	12.4	2.52	3.33	10.5	2.6	1.3	<2.0	6.6	8	7
Nitrate	mg/L	10	10	MAC		0.18	<.004	<.002	0.19	0.2	<0.1	0.03	<0.1	0.7	0.9	0.2
Nitrite	mg/L	1				<.002	<.002	<.006	<0.01	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1
T-Aluminum	mg/L		0.2	MAC		0.083	0.043	0.046	0.006	0.007	0.008	0.024	0.03	<0.05	<0.005	0.013
T-Antimony	mg/L		0.006	MAC			<.006	<.006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
T-Arsenic	mg/L	0.025	0.025	IMAC		0.005	<.01	0.01	0.0093	0.0093	0.0069	0.0002	<0.0002	0.005	0.0044	0.0039
T-Barium	mg/L	1.0	1	MAC		0.012	0.014	0.0099	0.008	0.012	0.008	0.005	0.005	0.007	0.008	0.012
T-Boron	mg/L	5.0	5	MAC		0.09	0.047	0.187	0.175	0.167	0.13	0.006	0.008	0.05	0.078	0.072
T-Cadmium	mg/L	0.005				<.0002	<.0006	<.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.0003	<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
T-Chromium	mg/L	0.05	0.05	MAC		<.001	<.0009	<.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0004
T-Copper	mg/L	1.0	</=1	MAC		0.008	0.001	0.004	0.007	0.082	0.004	0.013	0.01	<0.005	0.008	0.008
T-Iron	mg/L	0.3	</=0.3	AO		<.05	0.032	0.066	<0.1	0.7	0.1	<0.1	<0.1	0.12	<0.01	<0.01
T-Lead	mg/L	0.01	0.01	MAC		<.001	<.002	<.002	0.0003	0.0049	0.0003	0.0002	0.0003	<0.0005	0.0003	0.0004
T-Lithium	mg/L														0.001	<0.001
T-Magnesium	mg/L		</=700	AO		7.23	10.5	2.26	3	4.2	5.4	1	1.6	8.8	9.36	9.48
T-Manganese	mg/L	0.05	</=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
T-Mercury	mg/L	0.001	0.001	MAC		<.05	<.0001	<.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01
T-Nickel	mg/L														<0.001	<0.001
T-Phosphorus	mg/L														0.122	0.143
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
T-Selenium	mg/L	0.01	0.01	MAC		<.002	0.005	<.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0003	<0.0006	<0.0006
T-Silver	mg/L														<0.00001	<0.00001
T-Sodium	mg/L	200	</=200	AO		33.3	11.5	66.9	61.5	59.8	53.3	2.3	2.5	26.5	28.8	27.9
T-Uranium	mg/L	0.1	0.1	MAC		<.0005	<.06	<.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004
T-Zinc	mg/L	5	<5	AO		<.005	0.0018	0.0053	0.002	0.006	0.007	0.006	0.015	<0.005	0.008	1
Total Coliform	cfu/100ml	<1	<1	cfu/100ml		<2	<1	n/a	n/a	<1	<1	<1	12	<1.0	<1.0	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml		<2	<1	n/a	n/a	<1	<1	<1	<1			
E.coli	cfu/100ml	<1	<1	cfu/100ml								<1	<1	<1.0	<1.0	<1.0
Tannins & Lignins						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				