

West Bay Well Water Analysis Results

West Bay Well # 3: 2473 Nanoose Road

Canadian Drinking Water Guidelines Package

MAC=Maximum Acceptable Concentration IMAC= Interim Maximum Acceptable Concentration AO= Asthetic Objective
 CDWG=Canadian Drinking Water Guidelines BCAWQG=British Columbia Approved Water Quality Guidelines

Red font indicates non-compliance with Canadian Drinking Water Guidelines

* raw well water



Parameter	Water Quality Guidelines			16-Oct	22-Oct	26-Oct	19-Oct	24-Oct	23-Oct	23-Oct	21-Oct	19-Oct	
	Units	CDWG	BCAWQG	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Total Ammonia (N)	mg/L											0.8	
Color	CU	15	<=15	AO	18	13	11	14	8	14	35	36	15
Conductivity	µS		700	MAC	310	308	304	301	296	301	301	314	301
Total Dissolved Solids	mg/L	500	<=500	AO	160	187	160	184	150	200	198	204	152
Hardness (CaCO3)	mg/L	80-100	<=500	AO	106	109	73	110	100	110	110	100	110
pH	pH units	6.5-8.5	6.5-8.5	AO	7.72	7.61	7.8	8	7.9	8.12	8.06	7.8	7.9
Turbidity	NTU's	5	1	MAC	0.76	0.76	1.1	0.7	0.6	0.6	1.8	0.5	0.6
Alkalinity	mg/L				144	160	150	150	150	140	140	140	140
Chloride	mg/L	250	<=250	AO	6.76	6.7	8.1	6.5	7	7.4	8.2	12.7	6.6
Fluoride	mg/L	1.5	1.5	MAC	0.17	<0.6	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0
Sulfate	mg/L	500	<=500	AO	0.28	2.1	<2	<2	<2.0	<2.0	<2.0	<2.0	3.1
Nitrate (N)	mg/L	10	10	MAC	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite (N)	mg/L	1			<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
T-Aluminum	mg/L		0.2	MAC	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
T-Antimony	mg/L		0.006	MAC	<0.0002	<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	0.0004	0.0004	0.0003	0.0004	0.0003	0.0003	0.0004	0.0006	0.0005
T-Barium	mg/L	1.0	1	MAC	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.005	0.005
T-Boron	mg/L	5.0	5	MAC	0.049	0.064	0.059	0.071	0.066	0.073	0.067	0.064	0.061
T-Cadmium	mg/L	0.005			<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	0.00012	0.00002	<0.00001	<0.00001
T-Calcium	mg/L				26.1	27.2	18.6	27.7	25.8	27.2	28.4	25.6	28
T-Chromium	mg/L	0.05	0.05	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	0.0008
T-Copper	mg/L	1.0	<=1	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.008	0.001
T-Iron	mg/L	0.3	<=0.3	AO	0.6	0.5	0.4	0.5	0.5	0.5	0.61	0.49	0.309
T-Lead	mg/L	0.01	0.01	MAC	0.0002	0.0002	0.0004	0.0002	0.0001	<0.0001	0.0014	<0.0001	0.0002
T-Lithium	mg/L											<0.001	<0.001
T-Magnesium	mg/L		<=700	AO	9.9	10.1	6.5	9.4	9	9.4	10.3	9.44	9.74
T-Manganese	mg/L	0.05	<=0.05	AO	0.201	0.19	0.132	0.202	0.188	0.203	0.199	0.206	0.218
T-Mercury	mg/L	0.001	0.001	MAC	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<.01	<0.01	<0.00001
T-Nickel	mg/L											<0.001	<0.001
T-Phosphorus	mg/L											0.765	0.782
T-Potassium	mg/L				2.2	2.5	1.6	2.4	2.3	2.4	2.4	2.4	2
T-Selenium	mg/L	0.01	0.01	MAC	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0006	<0.0006	<0.0006
T-Silver	mg/L											<0.00001	<0.00001
T-Sodium	mg/L	200	<=200	AO	19.6	20.1	14.2	21.6	20	20.8	22	25.5	21.8
T-Uranium	mg/L	0.1	0.1	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
T-Zinc	mg/L	5	<5	AO	0.008	0.009	0.001	0.004	0.006	0.007	0.114	0.011	0.062
Total Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1.0	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1.0	<1.0
E.coli	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1.0	<1.0