

Fairwinds Well Water Analysis Results

Fairwinds Well #2: 2395 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											1	
Color	CU	15	<=15	AO	45	<5	13	18	<5	18	25	84	25
Conductivity	µS		700	MAC	371	382	343	350	457	365	359	390	343
Total Dissolved Solids	mg/L	500	<=500	AO	207	220	210	190	290	247	224	246	180
Hardness (CaCO3)	mg/L	80-100	<=500	AO	98	96	110	110	100	110	110	100	110
pH	pH units	6.5-8.5	6.5-8.5	AO	7.57	7.63	7.7	7.9	7.8	8.06	7.97	7.6	7.8
Turbidity	NTU's	5	1	MAC	0.42	0.92	1.2	1.2	1.1	1	1	1.9	1.4
Alkalinity	mg/L				151	160	160	160	160	150	150	140	140
Chloride	mg/L	250	<=250	AO	34.06	25.9	13.7	12.8	42.4	13.7	15.5	27.4	9.2
Fluoride	mg/L	1.5	1.5	MAC	0.19	<0.6	<1.0	<1.0	<1.0	<1.0	1	<1.0	<1.0
Sulfate	mg/L	500	<=500	AO	2.49	4.8	5.2	5.2	6.4	6.4	7.9	11.4	9.1
Nitrate (N)	mg/L	10	10	MAC	0.03	<0.1	<0.1	<0.1	0.3	<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	0.0016	0.0025	0.0017	0.0015	0.0015	0.001	0.0012	0.0016	0.0013
T-Barium	mg/L	1.0	1	MAC	0.009	0.009	0.009	0.009	0.007	0.009	0.008	0.013	0.008
T-Boron	mg/L	5.0	5	MAC	0.063	0.08	0.095	0.091	0.092	0.098	0.096	0.073	0.077
T-Cadmium	mg/L	0.005			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
T-Calcium	mg/L				23.9	23.4	26.4	27.3	25.5	26.5	27.8	24.5	26.6
T-Chromium	mg/L	0.05	0.05	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0004	<0.0004	0.001
T-Copper	mg/L	1.0	<=1	MAC	0.004	0.002	<0.001	0.003	0.001	<0.001	<0.001	0.01	<0.001
T-Iron	mg/L	0.3	<=0.3	AO	0.7	1.1	0.7	0.7	0.4	0.6	0.56	0.992	0.846
T-Lead	mg/L	0.01	0.01	MAC	0.0003	0.0005	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0006	0.0002
T-Lithium	mg/L											<0.001	<0.001
T-Magnesium	mg/L		<=700	AO	9.3	9.2	10.2	9.8	9.4	9.7	10.7	9.57	9.78
T-Manganese	mg/L	0.05	<=0.05	AO	0.318	0.319	0.325	0.319	0.178	0.317	0.317	0.47	0.335
T-Mercury	mg/L	0.001	0.001	MAC	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.00001
T-Nickel	mg/L											<0.001	<0.001
T-Phosphorus	mg/L												1.24
T-Potassium	mg/L				2.7	2.7	2.8	2.9	3	2.9	3	3	2.6
T-Selenium	mg/L	0.01	0.01	MAC	<0.0002	<0.0002	0.0003	<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	42.4	43.4	31.7	32.6	57.6	32	33.2	41.9	29.8
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	0.06	0.049	0.006	0.013	0.003	0.006	0.005	0.081	0.007
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

