REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 1: 2550 Northwest Bay Road

Canadian Drinking Water Guidelines Package

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

water SMART zero waste

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	24-Oct	20-Oct	26-Oct	
	Units	CDWG	BCAWQG		2002	2003	2004	2005	2006	2007	2008	2009	2010
Color	CU	15	</=15	AO	7	<5	5	6	5	8	13	off	
Conductivity	µS		700	MAC	254	33	317	321	317	324	320	off	
Total Dissolved Solids	mg/L	500	</=500	AO	180	173	190	300	210	247	174	off	
Hardness (CaCO3)	mg/L	80-100	</=500	AO	**134.1**	**138**	**120**	**150**	**130**	**140**	**140**	off	
pH	pH units	6.5-8.5	6.5-8.5	AO	7.89	7.62	7.9	8	8	8.15	7.8	off	
Turbidity	NTU's	5	1	MAC	0.64	1.16	0.9	0.7	0.7	0.6	0.8	off	
Alkalinity	mg/L				150	160	160	160	160	150	160	off	
Chloride	mg/L	250	</=250	AO	3.83	4.1	3.8	3.6	4.4	3.7	3.7	off	
Fluoride	mg/L	1.5	1.5	MAC	0.10	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	off	
Sulfate	mg/L	500	</=500	AO	9.31	9.4	8.1	8	8.9	6.9	6.5	off	
Nitrate (N)	mg/L	10	10	MAC	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	off	
Nitrite (N)	mg/L	1			<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	off	
T-Aluminum	mg/L		0.2	MAC	<0.005	<0.005	0.007	<0.005	0.018	0.009	<0.005	off	
T-Antimony	mg/L		0.006	MAC	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	off	
T-Arsenic	mg/L	0.025	0.025	IMAC	0.0011	0.0012	0.0009	0.001	0.001	0.001	0.0009	off	
T- Barium	mg/L	1.0	1	MAC	0.017	0.018	0.009	0.019	0.018	0.019	0.017	off	
T-Boron	mg/L	5.0	5	MAC	0.024	0.034	0.074	0.035	0.035	0.035	0.029	off	
T-Cadmium	mg/L	0.005			<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	off	
T-Calcium	mg/L				32.9	34	35.8	36.6	33.2	35.1	35.8	off	
T-Chromium	mg/L	0.05	0.05	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	off	
T-Copper	mg/L	1.0	</=1	MAC	0.001	0.05	0.079	0.003	0.003	0.007	0.02	off	
T-Iron	mg/L	0.3	</=0.3	AO	**0.3**	**0.4**	**0.4**	**0.4**	**0.3**	**0.4**	**0.32**	off	
T-Lead	mg/L	0.01	0.01	MAC	0.0003	0.0034	0.007	0.001	0.0005	0.0019	0.0033	off	
T-Magnesium	mg/L		</=700	AO	12.6	13.1	13.6	13	11.9	12.8	12.9	off	
T-Manganese	mg/L	0.05	</=0.05	AO	**0.166**	**0.161**	**0.178**	**0.19**	0.17	**0.191**	**0.18**	off	
T-Mercury	mg/L	0.001	0.001	MAC	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.01	off	
T-Potassium	mg/L				2	2.2	2.3	2.2	2.3	2.4	2.2	off	
T-Selenium	mg/L	0.01	0.01	MAC	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0004	<0.0006	off	
T-Sodium	mg/L	200	</=200	AO	12	12.1	13	13.2	12.9	13	11.6	off	
T-Uranium	mg/L	0.1	0.1	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	off	
T-Zinc	mg/L	5	<5	AO	0.013	0.177	0.321	0.006	0.01	0.018	0.101	off	
												off	
Total Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	off	
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	off	
E.coli	cfu/100ml	<1	<1	cfu/100ml					<1	<1	<1	off	

REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 2: 1987 Claudet Road

Canadian Drinking Water Guidelines Package

MAC=Maximum Acceptable Concentration IMAC= Interim Maximum Acceptable Concentration AO= Asthetic Objective.

water SMART zero waste

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	24-Oct	20-Oct	26-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	8	11	<5	8	5	10	10	12	8
Conductivity	µS		700	MAC	307	321	324	329	320	333	336	351	348
Total Dissolved Solids	mg/L	500	</=500	AO	180	167	180	182	210	240	208	224	198
Hardness (CaCO3)	mg/L	80-100	</=500	AO	**113.6**	**124**	**120**	**130**	**120**	**130**	**130**	**140**	**160**
pH	pH units	6.5-8.5	6.5-8.5	AO	7.95	7.86	8	8	8.1	8.16	7.92	8.1	8.1
Turbidity	NTU's	5	1	MAC	1.02	0.98	<0.5	<0.5	<0.5	<0.5	0.5	0.5	0.6
Alkalinity	mg/L				138	150	140	140	140	140	150	140	150
Chloride	mg/L	250	</=250	AO	6.32	7.2	6.9	7.5	6.7	6.5	0.7	7.4	6.4
Fluoride	mg/L	1.5	1.5	MAC	0.16	<0.6	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	500	</=500	AO	21.06	16.9	20.8	21.5	16.6	18.7	19.7	24	22.5
Nitrate (N)	mg/L	10	10	MAC	0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite (N)	mg/L	1			0.03	<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	0.0006	0.0006	0.0006	0.0005	0.0007	0.0006	0.0008	0.0006
T- Barium	mg/L	1.0	1	MAC	0.017	0.019	0.018	0.02	0.018	0.02	0.017	0.019	0.02
T-Boron	mg/L	5.0	5	MAC	0.054	0.07	0.072	0.07	0.069	0.07	0.06	0.078	0.063
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				31.3	35	36.4	38.1	33.4	36.8	37.8	37.7	44.3
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	0.001
T-Copper	mg/L	1.0	</=1	MAC	<0.001	0.006	<0.001	<0.001	<0.001	<0.001	0.002	0.002	<0.001
T-Iron	mg/L	0.3	</=0.3	AO	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.199	0.24
T-Lead	mg/L	0.01	0.01	MAC	<0.001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0002
T-Lithium	mg/L											0.001	0.001
T-Magnesium	mg/L		</=700	AO	8.6	9.5	9.6	9.4	8.4	9.3	9.28	10.1	11.3
T-Manganese	mg/L	0.05	</=0.05	AO	**0.11**	**0.11**	**0.116**	**0.122**	**0.107**	**0.121**	**0.112**	**0.121**	**0.149**
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											0.452	0.542
T-Potassium	mg/L				2.4	2.4	2.6	2.5	2.4	2.6	2.2	2.5	2.5
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	17	16	17.8	17.7	16.4	17	14.7	16.3	17.8
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	0.046	0.009	0.02	0.001	0.002	0.018	0.01	0.014	0.003
Total Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1	
E.coli	cfu/100ml	<1	<1	cfu/100ml					<1	<1	<1	<1	<1.0

REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 3: 1990 Delanice Way

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	24-Oct	20-Oct	26-Oct	29-Oct
	Units	CDWG	BCAWQG		2002	2003	2004	2005	2006	2007	2008	2009	2010
Total Ammonia (N)	mg/L												0.9
Color	CU	15	</=15	AO	23	10	<5	16	<5	8	5	44	32
Conductivity	µS		700	MAC	311	336	371	359	167.9	377	90	345	342
Total Dissolved Solids	mg/L	500	</=500	AO	180	220	210	236	98	280	42	198	182
Hardness (CaCO3)	mg/L	80-100	</=500	AO	115.6	123	120	120	45	110	31	130	130
pH	pH units	6.5-8.5	6.5-8.5	AO	7.72	7.59	7.7	8	7.4	8.08	7.04	8	7.8
Turbidity	NTU's	5	1	MAC	1.68	2.45	<0.5	0.8	<0.5	<0.5	0.5	3.7	2.9
Alkalinity	mg/L				142	150	150	150	30	140	30	140	150
Chloride	mg/L	250	</=250	AO	2.97	6.5	29	20.6	24.7	24.3	9.9	9.8	10.5
Fluoride	mg/L	1.5	1.5	MAC	0.42	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	500	</=500	AO	7.47	16.4	2.4	2.3	2.9	3.3	<2.0	17.7	17.7
Nitrate (N)	mg/L	10	10	MAC	0.09	<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	0.009	<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	0.0015	0.0016	0.0013	0.0015	<0.0002	0.0012	<0.0002	0.0018	0.0015
T- Barium	mg/L	1.0	1	MAC	0.017	0.019	0.006	0.008	0.01	0.006	0.005	0.018	0.017
T-Boron	mg/L	5.0	5	MAC	0.05	0.072	0.082	0.083	0.018	0.079	0.009	0.077	0.057
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				28.8	30.6	28.5	29.3	15.2	28.2	10.4	32.1	34.2
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	0.0009
T-Copper	mg/L	1.0	</=1	MAC	0.001	<0.001	0.004	0.003	0.005	0.007	0.008	0.002	0.001
T-Iron	mg/L	0.3	</=0.3	AO	1.1	1.2	<0.1	0.5	<0.1	0.2	0.03	1.07	1.13
T-Lead	mg/L	0.01	0.01	MAC	0.0004	0.0003	0.0005	0.0006	0.0003	0.0013	0.0003	<0.0001	0.0003
T-Lithium	mg/L											<0.001	<0.001
T-Magnesium	mg/L		</=700	AO	10.6	11.3	10.7	10.3	1.8	10.1	1.19	11.6	11.8
T-Manganese	mg/L	0.05	</=0.05	AO	0.26	0.257	0.095	0.236	<0.005	0.188	0.0009	0.273	0.291
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											0.921	0.856
T-Potassium	mg/L				2.2	2.3	2.6	2.6	<0.4	2.6	0.2	2.2	2.1
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	18.5	18.3	36.7	31.7	9.2	32.6	4.19	18.3	18.6
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	0.002	0.009	0.009	0.006	0.008	0.011	0.034	0.01
Total Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1	
E.coli	cfu/100ml	<1	<1	cfu/100ml					<1	<1	<1	<1	<1.0

REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 4: 2311 Northwest Bay 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

water SMART zero waste

Parameter	Water Quality Guidelines				16-Oct	22-Oct	26-Oct	19-Oct	24-Oct	24-Oct	20-Oct	26-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	**28**	10	11	**16**	7	**16**	10	**24**	**19**
Conductivity	µS		700	MAC	330	345	331	333	325	329	324	326	334
Total Dissolved Solids	mg/L	500	</=500	AO	180	193	170	240	210	173	54	208	180
Hardness (CaCO3)	mg/L	80-100	</=500	AO	**120.2**	**125**	**130**	**130**	**120**	**120**	**27**	**120**	**130**
pH	pH units	6.5-8.5	6.5-8.5	AO	7.36	7.55	7.8	8	7.9	8.05	6.45	8	7.9
Turbidity	NTU's	5	1	MAC	1.65	4.76	1.7	2.6	1.6	1.8	1.7	1.1	1.4
Alkalinity	mg/L				196	180	180	170	170	160	170	170	170
Chloride	mg/L	250	</=250	AO	1.77	4	3.7	3.5	3.9	3.6	8.5	4.3	3.6
Fluoride	mg/L	1.5	1.5	MAC	0.42	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	500	</=500	AO	0.41	1.7	<2.0	<2	<2.0	<2.0	<2.0	<2.0	<2.0
Nitrate (N)	mg/L	10	10	MAC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite (N)	mg/L	1			0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
T-Aluminum	mg/L		0.2	MAC	0.019	<0.005	0.008	<0.005	0.008	0.019	0.014	<0.005	0.007
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	0.0027	0.0025	0.0024	0.0022	0.0022	0.0024	<0.0002	0.0023	0.0022
T- Barium	mg/L	1.0	1	MAC	0.017	0.011	0.011	0.012	0.01	0.012	0.003	0.01	0.01
T-Boron	mg/L	5.0	5	MAC	0.045	0.078	0.073	0.074	0.071	0.076	0.009	0.082	0.069
T-Cadmium	mg/L	0.005			<0.00001	0.0003	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001
T-Calcium	mg/L				29	30.1	31.5	31.6	29.1	29.8	8.61	28.1	32.1
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	0.002	0.052	0.003	0.006	<0.001	0.234	0.005	0.001	0.002
T-Iron	mg/L	0.3	</=0.3	AO	**1.7**	**1**	**0.7**	**0.8**	**0.6**	**0.9**	0.03	**0.514**	**0.614**
T-Lead	mg/L	0.01	0.01	MAC	0.0005	0.0081	0.0005	0.0007	0.0002	***0.0101**	0.0008	<0.0001	0.0004
T-Lithium	mg/L											<0.001	<0.001
T-Magnesium	mg/L		</=700	AO	11.6	12.2	12.3	11.6	10.9	11.2	1.3	11.3	12.1
T-Manganese	mg/L	0.05	</=0.05	AO	**0.34**	**0.37**	**0.260**	**0.278**	**0.242**	**0.319**	0.0124	**0.235**	**0.275**
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											0.921	1.07
T-Potassium	mg/L				2.1	2.3	2.3	2.3	2.4	2.3	0.3	2.3	2.2
T-Selenium	mg/L	0.01	0.01	MAC	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0006	<0.0006	<0.0006
T-Silver	mg/L											<0.00001	<0.00001
T-Sodium	mg/L	200	</=200	AO	21.2	15.5	23.4	24.5	22.8	23.2	3.96	22.6	25
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	0.16	0.761	0.005	0.01	0.004	0.224	0.031	0.038	0.007
Total Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	**OG**	<1	<1	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1	
E.coli	cfu/100ml	<1	<1	cfu/100ml					<1	<1	<1	<1	<1.0

Note: Total coliforms can be an indicator of adverse water quality if the result in the re-sample is confirmed positive. (United States Environmental Protection Agency (EPA), 2008) RDN Water samples are always tested for Fecal coliform bacteria at the same time as Total coliforms to rule out the presence of harmful pathogens.

* Re-sample for Lead for 2007 - Result 0.0001 mg/l

REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 5: 2548 Nuttal Drive

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

water SMART zero waste

Parameter	Water Quality Guidelines				16-Oct	22-Oct	26-Oct	19-Oct	24-Oct	24-Oct	20-Oct	26-Oct	
	Units	CDWG	BCAWQG		2002	2003	2004	2005	2006	2007	2008	2009	2010
Color	CU	15	</=15	AO	12	off	off	off	off	off	off	off	off
Conductivity	µS		700	MAC	432	off	off	off	off	off	off	off	off
Total Dissolved Solids	mg/L	500	</=500	AO	260	off	off	off	off	off	off	off	off
Hardness (CaCO3)	mg/L	80-100	</=500	AO	**204.4**	off	off	off	off	off	off	off	off
pH	pH units	6.5-8.5	6.5-8.5	AO	7.92	off	off	off	off	off	off	off	off
Turbidity	NTU's	5	1	MAC	3.89	off	off	off	off	off	off	off	off
Alkalinity	mg/L				142	off	off	off	off	off	off	off	off
Chloride	mg/L	250	</=250	AO	8.57	off	off	off	off	off	off	off	off
Fluoride	mg/L	1.5	1.5	MAC	0.09	off	off	off	off	off	off	off	off
Sulfate	mg/L	500	</=500	AO	34.2	off	off	off	off	off	off	off	off
Nitrate (N)	mg/L	10	10	MAC	<0.01	off	off	off	off	off	off	off	off
Nitrite (N)	mg/L	1			<0.01	off	off	off	off	off	off	off	off
T-Aluminum	mg/L		0.2	MAC	0.158	off	off	off	off	off	off	off	off
T-Antimony	mg/L		0.006	MAC	<0.0002	off	off	off	off	off	off	off	off
T-Arsenic	mg/L	0.025	0.025	IMAC	0.0005	off	off	off	off	off	off	off	off
T- Barium	mg/L	1.0	1	MAC	0.105	off	off	off	off	off	off	off	off
T-Boron	mg/L	5.0	5	MAC	0.036	off	off	off	off	off	off	off	off
T-Cadmium	mg/L	0.005			<0.0001	off	off	off	off	off	off	off	off
T-Calcium	mg/L				77.1	off	off	off	off	off	off	off	off
T-Chromium	mg/L	0.05	0.05	MAC	<0.0005	off	off	off	off	off	off	off	off
T-Copper	mg/L	1.0	</=1	MAC	0.004	off	off	off	off	off	off	off	off
T-Iron	mg/L	0.3	</=0.3	AO	**2.2**	off	off	off	off	off	off	off	off
T-Lead	mg/L	0.01	0.01	MAC	0.0011	off	off	off	off	off	off	off	off
T-Magnesium	mg/L		</=700	AO	2.9	off	off	off	off	off	off	off	off
T-Manganese	mg/L	0.05	</=0.05	AO	**0.149**	off	off	off	off	off	off	off	off
T-Mercury	mg/L	0.001	0.001	MAC	<0.0002	off	off	off	off	off	off	off	off
T-Potassium	mg/L				0.7	off	off	off	off	off	off	off	off
T-Selenium	mg/L	0.01	0.01	MAC	0.0002	off	off	off	off	off	off	off	off
T-Sodium	mg/L	200	</=200	AO	9.2	off	off	off	off	off	off	off	off
T-Uranium	mg/L	0.1	0.1	MAC	<0.0005	off	off	off	off	off	off	off	off
T-Zinc	mg/L	5	<5	AO	0.409	off	off	off	off	off	off	off	off
						off	off	off	off	off	off	off	off
Total Coli	cfu/100ml	<1	<1	cfu/100ml		off	off	off	off	off	off	off	off
Fecal Coli	cfu/100ml	<1	<1	cfu/100ml		off	off	off	off	off	off	off	off

REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 6: 2500 Nuttal Drive

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

water SMART zero waste

Parameter	Water Quality Guidelines				16-Oct	22-Oct	26-Oct	19-Oct	24-Oct	24-Oct	20-Oct	26-Oct	19-Oct
	Units	CDWG	BCAWQG		2002	2003	2004	2005	2006	2007	2008	2009	2010
Total Ammonia (N)	mg/L												<0.01
Color	CU	15	</=15	AO		<5	<5	**37**	10	<5	11	**82**	14
Conductivity	µS		700	MAC		**737**	467	430	506	560	436	445	478
Total Dissolved Solids	mg/L	500	</=500	AO		467	290	300	320	447	268	278	266
Hardness (CaCO3)	mg/L	80-100	</=500	AO		**330**	**220**	**190**	**260**	**270**	**190**	**190**	**230**
pH	pH units	6.5-8.5	6.5-8.5	AO		7.24	7.5	7.8	7.5	7.96	7.51	7.6	7.6
Turbidity	NTU's	5	1	MAC		1.55	2.4	**26.7**	2.2	1.1	2.8	**19.1**	2.5
Alkalinity	mg/L					200	200	190	180	190	200	180	190
Chloride	mg/L	250	</=250	AO		7.6	7.5	7.1	8.7	7.7	7.7	8.4	8.4
Fluoride	mg/L	1.5	1.5	MAC		<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	500	</=500	AO		189	47.6	27.8	66.5	80.4	29.1	32.3	44.3
Nitrate (N)	mg/L	10	10	MAC		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrite (N)	mg/L	1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
T-Aluminum	mg/L		0.2	MAC		0.115	0.008	0.945	<0.005	<0.005	<0.005	0.027	<0.005
T-Antimony	mg/L		0.006	MAC		0.0009	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
T-Arsenic	mg/L	0.025	0.025	IMAC		0.0006	0.0004	0.0018	0.0004	0.0005	0.0003	0.0011	0.0006
T- Barium	mg/L	1.0	1	MAC		0.133	0.106	0.125	0.089	0.109	0.096	0.098	0.081
T-Boron	mg/L	5.0	5	MAC		0.093	0.147	0.179	0.055	0.081	0.166	0.131	0.088
T-Cadmium	mg/L	0.005				0.0006	<0.00001	0.00011	<0.00001	0.00002	<0.00001	0.00034	0.00003
T-Calcium	mg/L					118	79.7	70.2	96	101	70	71.7	86.8
T-Chromium	mg/L	0.05	0.05	MAC		<0.0005	<0.0005	0.0015	<0.0005	<0.0005	<0.0004	<0.0004	0.0008
T-Copper	mg/L	1.0	</=1	MAC		0.004	0.003	0.022	<0.001	0.01	0.022	0.02	0.004
T-Iron	mg/L	0.3	</=0.3	AO		0.2	**0.3**	**3.4**	0.2	0.2	0.19	**1.27**	0.257
T-Lead	mg/L	0.01	0.01	MAC		0.0011	0.0016	**0.024**	0.0001	0.0015	0.0016	0.021	0.0008
T-Lithium	mg/L											0.006	0.005
T-Magnesium	mg/L		</=700	AO		8.7	4.2	3.9	4.4	4.8	3.61	3.5	0.42
T-Manganese	mg/L	0.05	</=0.05	AO		**0.054**	**0.076**	**0.078**	**0.102**	**0.108**	**0.0554**	**0.0585**	**0.075**
T-Mercury	mg/L	0.001	0.001	MAC		<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.00001
T-Nickel	mg/L											0.001	0.002
T-Phosphorus	mg/L											0.015	<0.01
T-Potassium	mg/L					1.6	1.3	1.3	0.9	1.1	0.9	1	0.7
T-Selenium	mg/L	0.01	0.01	MAC		0.0013	<0.0002	<0.0002	0.0004	0.0003	<0.0006	<0.0006	<0.0006
T-Silver	mg/L											<0.00001	<0.00001
T-Sodium	mg/L	200	</=200	AO		14.6	18.9	21.9	10.4	12.1	16.9	15.7	12.9
T-Uranium	mg/L	0.1	0.1	MAC		0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004
T-Zinc	mg/L	5	<5	AO		0.068	0.220	0.503	0.06	0.155	0.084	1.14	0.065
Total Coliform	cfu/100ml	<1	<1	cfu/100ml			***140**	***>200**	***20**	***2**	***12.4**	**45.3**	<1.0
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml			<1	<1	<1	<1	<1	<1	
E.coli	cfu/100ml	<1	<1	cfu/100ml					<1	<1	<1	<1	<1.0

Note: Total coliforms can be an indicator of adverse water quality if the result in the re-sample is confirmed positive. (United States Environmental Protection Agency (EPA), 2008) RDN Water samples are always tested for Fecal coliform bacteria at the same time as Total coliforms to rule out the presence of harmful pathogens.

*Resampled and had <1 for all Coliforms

REGIONAL DISTRICT OF NANAIMO

Nanoose Well Water Analysis Results

Nanoose Well # 7: Claudet 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				19-Oct								
	Units	CDWG	BCAWQG		2010								
Total Ammonia (N)	mg/L				1								
Color	CU	15	</=15	AO	10								
Conductivity	µS		700	MAC	331								
Total Dissolved Solids	mg/L	500	</=500	AO	168								
Hardness (CaCO3)	mg/L	80-100	</=500	AO	**130**								
pH	pH units	6.5-8.5	6.5-8.5	AO	7.9								
Turbidity	NTU's	5	1	MAC	0.6								
Alkalinity	mg/L				160								
Chloride	mg/L	250	</=250	AO	4.9								
Fluoride	mg/L	1.5	1.5	MAC	<1.0								
Sulfate	mg/L	500	</=500	AO	4.9								
Nitrate (N)	mg/L	10	10	MAC	<0.1								
Nitrite (N)	mg/L	1			<0.1								
T-Aluminum	mg/L		0.2	MAC	0.008								
T-Antimony	mg/L		0.006	MAC	<0.0002								
T-Arsenic	mg/L	0.025	0.025	IMAC	0.0008								
T- Barium	mg/L	1.0	1	MAC	0.014								
T-Boron	mg/L	5.0	5	MAC	0.056								
T-Cadmium	mg/L	0.005			<0.00001								
T-Calcium	mg/L				32.7								
T-Chromium	mg/L	0.05	0.05	MAC	0.0008								
T-Copper	mg/L	1.0	</=1	MAC	<0.001								
T-Iron	mg/L	0.3	</=0.3	AO	0.275								
T-Lead	mg/L	0.01	0.01	MAC	0.0002								
T-Lithium	mg/L				0.002								
T-Magnesium	mg/L		</=700	AO	11								
T-Manganese	mg/L	0.05	</=0.05	AO	**0.168**								
T-Mercury	mg/L	0.001	0.001	MAC	<0.00001								
T-Nickel	mg/L				<0.001								
T-Phosphorus	mg/L				0.646								
T-Potassium	mg/L				2.8								
T-Selenium	mg/L	0.01	0.01	MAC	<0.0006								
T-Silver	mg/L				<0.00001								
T-Sodium	mg/L	200	</=200	AO	18.7								
T-Uranium	mg/L	0.1	0.1	MAC	<0.0004								
T-Zinc	mg/L	5	<5	AO	0.02								
Total Coliform	cfu/100ml	<1	<1	cfu/100ml	<1.0								
Fecal Coliform	cfu/100ml	<1	<1	cfu/100ml									
E.coli	cfu/100ml	<1	<1	cfu/100ml	<1.0								

Note: Total coliforms can be an indicator of adverse water quality if the result in the re-sample is confirmed positive. (United States Environmental Protection Agency (EPA), 2008) RDN Water samples are always tested for Fecal coliform bacteria at the

*Resampled and had <1 for all Coliforms