REGIONAL DISTRICT OF NANAIMO

Decourcey Distribution Water Analysis
2458 Pylades Drive (*Sample Collected at 2418 Pylades Drive)

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic Objective.

water SMART zero waste

Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		March 6 2002*	April 23 2003*	2004 *	April 20 2005*	May 17 2006*	May 22 2007*	May 26 2008*	May 11 2009*	May 17 2010*	May 24 2011	May 14 2012	May 27 2013			
Miscellaneous Inorganics																		
Fluoride	mg/L	1.5	MAC	0.19	0.15	<1	<1.0	1.8	<1	<1.0	<1.0	<1.0	<1.0	0.14	<0.5			
Alkalinity (total as $CaCO_3$)	mg/L			199	227	200	210	210	200	190	190	190	110	180	200			
Anions																		
Dissolved Sulphate	mg/L	500	AO	28.98	23.6	32.6	20.5	22.3	20.8	19.6	20.3	20.3	13.2	22.1	22.8			
Dissolved Chloride	mg/L	250	AO	33.04	33.4	28.2	35.4	38.6	41.9	47.6	55.8	68.7	55.6	65	63			
Nitrite	mg/L	1	MAC	<.006	<0.01	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05			
Miscellaneous																		
Apparent Colour	Colour Unit			2	3	7	<5	<5	10	<5	<5	<5	<5	4	<5			
Nutrients																		
Total Ammonia	mg/L													0.05	<0.01			
Physical Properties																		
Conductivity	µS/cm			521	527	529	543	569	563	584	592	643	417	642	625			
pH	pH	7.0:10.5	AO	7.49	7.69	7.8	7.7	7.9	7.8	8.03	7.9	7.8	7.7	7.9	7.8			
TDS	mg/L	500	AO	267	307	320	310	353	322	338	318	424	248	406	362			
Turbidity	NTU			<0.05	0.16	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5			
Microbiological Parameters																		
E.coli	MPN/100mL	<1	MAC					<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Total Coliforms	MPN/100mL	<1	MAC			<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Calculated Parameters																		
Total Hardness ($CaCO_3$)	mg/L			37.5	34.7	36	39	37	40	37	42	40	29	42	39			
Nitrate	mg/L	10	MAC	0.03	0.05	<0.1	<0.1	0.04	<0.1	<0.1	0.1	<0.1	<0.1	<0.05	<0.05			
Elements																		
Total Mercury	mg/L	0.001	MAC	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.0001	<0.00001	<0.00001			
Total Metals																		
Total Aluminum	mg/L	0.1	OG	<0.009	0.011	0.008	0.006	<0.005	<0.005	<0.05	<0.005	0.012	0.009	<0.005	<0.005			
Total 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	<0.0002	<0.0001			
Total Arsenic	mg/L	0.01	MAC	<.01	0.0003	0.0002	0.0007	0.0004	0.0003	0.002	0.0004	0.0006	0.0005	0.0006	0.00023			
Total Barium	mg/L	1	MAC	0.0126	0.013	0.009	0.02	0.031	0.019	0.02	0.02	0.016	0.008	0.013	0.0138			
Total Beryllium	mg/L													<0.00004	<0.00005			
Total Bismuth	mg/L													<0.001	<0.0001			
Total Boron	mg/L	5	MAC	0.019	0.153	0.144	0.14	0.12	0.121	0.1	0.176	0.115	0.074	0.187	0.127			
Total 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	<0.00001	<0.00001			
Total Chromium	mg/L	0.05	MAC	<0.0009	<0.0005	<0.0005	0.0008	<0.0005	<0.0005	<0.003	<0.0004	<0.0004	<0.0004	0.0006	<0.0005			
Total Cobalt	mg/L													<0.00002	<0.0001			
Total Copper	mg/L	1	AO	0.005	0.005	0.005	0.01	0.013	0.013	0.02	0.013	0.008	0.006	0.006	0.0087			
Total Iron	mg/L	0.3	AO	0.026	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.03	<0.01	0.065	0.074	0.032			
Total Lead	mg/L	0.01	MAC	0.004	0.0004	0.0003	0.0006	0.0006	0.0006	<0.0005	0.0004	0.0002	0.0004	0.0002	0.0004			
Total Manganese	mg/L	0.05	AO	0.0051	0.006	<0.005	<0.005	<0.005	<0.005	0.006	0.002	0.0031	0.008	<0.005	0.003			
Total Molybdenum	mg/L													<0.0001	0.00014			
Total Nickel	mg/L										<0.001	<0.001	<0.001	<0.001	0.0002			
Total Selenium	mg/L	0.05	MAC	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.003	0.0008	<0.0006	<0.0006	<0.0006	<0.0001			
Total Silicon	mg/L													7.47	7.71			
Total Silver	mg/L										<0.00001	<0.00001	<0.0001	<0.00001	<0.00005			
Total Strontium	mg/L													0.168	0.171			
Total Thallium	mg/L													<0.00001	<0.00001			
Total Tin	mg/L													<0.0001	0.0002			
Total Titanium	mg/L													<0.001	<0.0005			
Total Uranium	mg/L	0.02	MAC	<0.02	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0004	<0.0004	<0.0005	<0.0004	0.00005			
Total Vanadium	mg/L													0.0003	0.0003			
Total Zinc	mg/L	5	AO	0.0494	0.042	0.071	0.108	0.115	0.116	0.099	0.092	0.069	0.037	0.035	0.0383			
Total Zirconium	mg/L																	
Total Calcium	mg/L			11.7	10.8	11.5	12	11.8	12.4	11.5	13	12.6	9.1	13	12.2			
Total Magnesium	mg/L			2.02	1.9	1.8	2.1	1.9	2.2	2	2.37	2.17	1.5	2.28	2.14			
Total Potassium	mg/L			0.8	0.5	0.7	0.8	0.6	0.6	0.6	0.7	0.9	0.5	0.9	0.8			
Total Sodium	mg/L	200	AO	111	114	111	108	6.7	112	126	126	130	79.3	131	129			
Total Sulphur	mg/L																	