Decourcey Well Water Analysis
Between 3274 & 3284 Bisell Road

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic Objective.

Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		October 16 2002	October 22 2003	October 26 2004	October 24 2005	October 24 2006	October 22 2007	October 14 2008	October 14 2009	May 14 2010	October 25 2010	October 17 2011	October 16 2012	October 28 2013		
Miscellaneous Inorganics																		
Fluoride	mg/L	1.5	MAC	0.21	<0.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1	0.2	0.16		
Alkalinity (total as $CaCO_3$)	mg/L			224	90	200	230	230	170	230	210	200	200	210	230	200		
Anions																		
Dissolved Sulphate	mg/L	500	AO	29.74	11.5	11.2	20.2	10.6	14.1	13	22.9	22.2	26.2	26	24.9	23.8		
Dissolved Chloride	mg/L	250	AO	6	5	8.4	44.8	22.5	19.6	36	83.8	85.4	99.4	81.9	82	89		
Nitrite	mg/L	1	MAC	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05		
Miscellaneous																		
Apparent Colour	Colour Unit			5	10	<5	<5	<5	10	8	7	<5	<5	6	5	<5		
Nutrients																		
Total Ammonia	mg/L																	
Physical Properties																		
Conductivity	µS/cm			564	226	408	611	514	433	558	737	710	765	721	745	737		
pH	pH	7.0:10.5	AO	7.6	6.56	7.3	7.9	8.1	7.38	8.3	7.7	7.5	7.4	7.6	7.4	7.4		
TDS	mg/L	500	AO	327	120	220	327	300	270	370	398	426	428	436	424	420		
Turbidity	NTU			<0.05	0.56	0.6	0.7	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Microbiological Parameters																		
E.coli	MPN/100mL	<1	MAC					<1	7	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0		
Total Coliforms	MPN/100mL	<1	MAC			11	<1	<1	360	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0		
Calculated Parameters																		
Total Hardness ($CaCO_3$)	mg/L			35.7	82	44	23	13	43	18	49	43	47	46	48	47		
Nitrate	mg/L	10	MAC	<0.01	0.6	0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05		
Elements																		
Total Mercury	mg/L	0.001	MAC	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.00001	<0.00001	<0.0001	<0.00001		
Total Metals																		
Total Aluminum	mg/L	0.1	OG	0.007	0.03	0.031	0.061	0.015	0.013	0.001	<0.005	0.012	<0.005	<0.005	0.007	0.01		
Total Antimony	mg/L	0.006	MAC	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002		
Total Arsenic	mg/L	0.01	MAC	0.0003	<0.0002	0.0003	0.0004	0.0003	0.0002	0.0004	0.0018	0.0007	0.0008	0.0007	0.00026	0.0011		
Total Barium	mg/L	1	MAC	0.01	0.005	0.006	0.006	0.003	0.006	0.003	0.011	0.009	0.01	0.008	0.00967	0.01		
Total Beryllium	mg/L														<0.00005	<0.00004		
Total Bismuth	mg/L														<0.0001	<0.0010		
Total Boron	mg/L	5	MAC	0.132	0.02	0.166	0.187	0.234	0.105	0.193	0.143	0.121	0.143	0.146	0.146	0.141		
Total Cadmium	mg/L	0.005	MAC	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0005	0.0008	<0.0004	<0.0004	0.0008	<0.0004	<0.0005	<0.0004		
Total Cobalt	mg/L														<0.0001	0.00003		
Total Copper	mg/L	1	AO	0.001	0.009	0.007	0.026	0.007	0.011	0.008	0.002	0.001	0.002	0.002	0.0025	0.002		
Total Iron	mg/L	0.3	AO	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.04	<0.01	<0.010	<0.010	0.099	0.014	<0.010		
Total Lead	mg/L	0.01	MAC	0.0009	0.0014	0.0007	0.0011	0.0003	0.0007	0.0002	0.0001	0.0003	0.0001	0.0001	<0.0001	0.0004		
Total Manganese	mg/L	0.05	AO	0.085	0.009	0.008	0.009	<0.005	<0.005	0.0005	0.0106	0.0125	0.046	0.035	0.0567	0.0935		
Total Molybdenum	mg/L														0.00015	<0.0001		
Total Nickel	mg/L										<0.001	<0.001	<0.001		<0.0002	<0.001		
Total Selenium	mg/L	0.05	MAC	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0002	0.0008	<0.0006	<0.0006	<0.0006	<0.0006	<0.0001	<0.0006		
Total Silicon	mg/L														8.13	7.57		
Total Silver	mg/L										<0.00001	<0.00001	<0.00001		<0.00001	<0.00001		
Total Strontium	mg/L														0.194	0.212		
Total Thallium	mg/L														<0.00001	<0.00001		
Total Tin	mg/L														0.0005	<0.0001		
Total Titanium	mg/L														<0.0005	<0.0010		
Total Uranium	mg/L	0.02	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00011	<0.0004		
Total Vanadium	mg/L														0.0002	0.0002		
Total Zinc	mg/L	5	AO	0.003	0.032	0.022	0.019	0.014	0.035	0.011	0.013	0.005	0.007	0.008	0.0053	0.007		
Total Zirconium	mg/L																	
Total Calcium	mg/L			11	26.1	14.4	7.4	4.2	13.6	5.74	15.1	13.3	14.6	14.5	14.8	14.2		
Total Magnesium	mg/L			2	4.1	1.9	1.1	0.5	2.1	0.94	2.69	2.38	2.52	2.41	2.67	2.9		
Total Potassium	mg/L			0.6	<0.4	<0.4	<0.4	<0.4	0.4	0.2	0.9	0.9	0.9	0.7	0.9	1.06		
Total Sodium	mg/L	200	AO	125	13.7	81.2	124	116	76.6	113	160	140	142	141	148	156		
Total Sulphur	mg/L																	