

DEPARTMENT OF PUBLIC WORKS  
MONTEBELLO WATER QUALITY LABORATORY  
BUREAU OF WATER AND WASTEWATER, ENVIRONMENTAL SERVICES

**MINERAL ANALYSES FORM**

**2018**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	8.01	7.85	7.82	7.86	7.88	7.77	7.96	7.98	7.86	7.91	7.88	7.71	7.87	7.71	8.01
ALKALINITY, mg/L	63	61	61	63	61	62	61	62	61	65	62	58	62	58	65
VOL.SOLIDS OR L.O.I.*	40.2	59.4	43.9	79.9	64.6	83.2	73.3	63.0	59.1	46.2	63.3	82.7	63.2	40.2	83.2
TOTAL SOLIDS, mg/L	264.1	190.8	191.1	273.0	219.0	286.2	248.9	229.0	212.7	192.6	210.8	240.0	229.9	190.8	286.2
TURBIDITY, NTU	0.09	0.09	0.11	0.05	0.16	0.08	0.08	0.11	0.09	0.13	0.08	0.09	0.10	0.05	0.16
HARDNESS, mg/L	115	110	106	108	116	112	110	102	104	104	107	100	108	100	116
CALCIUM, mg/L	29.3	27.8	28.8	29.8	29.8	31.7	30.2	28.8	27.3	27.2	26.7	25.8	28.6	25.8	31.7
MAGNESIUM, mg/L	9.66	9.43	8.87	9.36	8.97	9.13	8.11	6.80	6.66	6.70	7.18	6.78	8.14	6.66	9.66
SILICA, mg/L	8.28	9.03	6.18	6.51	5.53	6.14	7.11	7.03	7.70	8.05	8.67	5.44	7.14	5.44	9.03
ALUMINUM, mg/L	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
SODIUM, mg/L	19.7	23.2	27.0	32.6	28.7	26.5	21.2	15.9	15.4	18.4	17.1	16.1	21.8	15.4	32.6
POTASSIUM, mg/L	2.55	2.49	2.75	2.91	2.50	2.67	2.89	2.47	3.09	2.30	2.71	2.92	2.69	2.30	3.09
NITRATES, mg/L	1.17	1.27	1.54	1.97	1.79	1.69	1.68	1.45	1.58	1.56	1.74	1.96	1.62	1.17	1.97
NITRITES, mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SULFATES, mg/L	16.3	15.3	16.4	18.0	17.3	15.8	17.0	16.0	15.0	15.2	17.0	15.1	16.2	15.0	18.0
CHLORIDES, mg/L	53	54	62	71	70	61	53	39	38	40	43	42	52	38	71
FLUORIDE, mg/L	0.72	0.70	0.70	0.73	0.75	0.77	0.73	0.75	0.77	0.75	0.72	0.68	0.73	0.68	0.77
IRON, mg/L	<0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01	0.02	0.02	0.01	<0.01	0.01	<0.01	<0.01	0.02
MANGANESE, mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
PHOSPHATE, mg/L	<0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
CONDUCTIVITY**, µS	358	463	380	415	401	381	352	385	311	308	327	312	366	308	463
RAW TEMP., °F	50.4	45.3	47.6	51.6	58.5	59.8	64.3	68.3	67.9	65.1	57.7	51.5	57.3	45.3	68.3

AMMONIA, mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.01
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\* - volatile solids

\*\* - micromhos/cm

All results are in mg/L unless noted.

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