

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

MINERAL ANALYSES FORM

2017

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.24	7.99	7.95	7.76	7.98	7.83	7.86	7.77	7.86	7.88	7.94	7.85	7.83	7.24	7.99
ALKALINITY, mg/L	66	65	66	66	63	65	63	70	67	71	71	70	67	63	71
VOL.SOLIDS OR L.O.I.*	33.3	47.1	38.8	35.2	83.3	104.4	68.5	67.9	59.1	55.7	51.7	22.1	55.6	22.1	104.4
TOTAL SOLIDS, mg/L	186.3	199.4	232.0	192.0	244.0	238.7	237.4	194.9	238.1	196.0	220.0	119.0	208.2	119.0	244.0
TURBIDITY, NTU	0.08	0.07	0.15	0.06	0.08	0.10	0.21	0.14	0.10	0.18	0.08	0.04	0.11	0.04	0.21
HARDNESS, mg/L	113	120	115	117	112	116	115	119	117	111	119	113	116	111	120
CALCIUM, mg/L	29.9	28.6	28.4	28.1	29.4	28.7	30.1	30.2	30.5	30.0	32.7	30.4	29.8	28.1	32.7
MAGNESIUM, mg/L	9.13	9.03	9.18	9.46	8.96	8.45	8.97	8.64	8.44	8.67	9.44	9.63	9.00	8.44	9.63
SILICA, mg/L	6.01	6.37	5.73	6.45	4.70	5.12	5.53	6.49	7.60	6.34	6.65	7.86	6.24	4.70	7.86
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	21.2	20.6	21.0	22.7	21.7	19.6	21.1	19.8	18.6	17.7	18.9	18.5	20.1	17.7	22.7
POTASSIUM, mg/L	2.91	2.76	2.77	2.65	2.46	2.48	2.64	2.34	2.43	2.95	2.49	2.96	2.65	2.34	2.96
NITRATES, mg/L	1.03	1.24	1.50	1.67	1.62	1.47	1.49	1.18	0.76	0.91	0.81	1.08	1.23	0.76	1.67
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	14.9	16.9	19.5	18.4	19.1	19.5	16.4	14.6	17.0	21.0	14.8	15.0	17.3	14.6	21.0
CHLORIDES, mg/L	52	54	53	57	65	49	53	50	51	49	48	53	53	48	65
FLUORIDE, mg/L	0.80	0.69	0.78	0.75	0.78	0.75	0.74	0.71	0.79	0.75	0.79	0.78	0.76	0.69	0.80
IRON, mg/L	<0.01	<0.01	0.02	<0.01	0.02	0.01	0.02	0.01	<0.01	<0.01	0.02	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	0.02	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.00	0.02
CONDUCTIVITY**,µs	343	345	350	335	350	321	342	346	347	355	340	353	344	321	355
RAW TEMP., °F	46.9	44.0	49.8	55.3	61.3	67.0	63.6	63.6	65.0	66.8	57.7	47.9	57.4	44.0	67.0
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

\* - volatile solids

\*\* - micromhos/cm

All results are in mg/L unless noted.

Note\*