

DEPARTMENT OF PUBLIC WORKS  
MONTEBELLO WATER QUALITY LABORATORY  
Office of Compliance and Laboratories

**MINERAL ANALYSES FORM**

**2022**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.86	7.66	7.84	7.87	7.92	8.07	7.98	7.97	7.99	8.00	7.93	7.93	7.92	7.66	8.07
ALKALINITY, mg/L	62	62	60	56	59	61	66	63	63	64	68	68	63	56	68
VOL.SOLIDS OR L.O.I.*	60.3	49.7	164.4	61.5	46.4	72.7	87.1	68.2	66.6	45.7	56.9	59.5	69.9	45.7	164.4
TOTAL SOLIDS, mg/L	199.3	175.0	331.0	220.4	171.3	268.4	247.6	241.6	225.9	216.3	220.0	217.4	227.9	171.3	331.0
TURBIDITY, NTU	0.07	0.05	0.05	0.04	0.05	0.05	0.06	0.09	0.3	0.25	0.54	0.06	0.13	0.04	0.54
HARDNESS, mg/L	115	120	115	115	114	109	113	111	109	110	115	118	114	109	120
CALCIUM, mg/L	29.4	30.6	27.6	28.0	29.9	28.5	30.5	27.9	28.3	31.0	28.8	31.0	29.3	27.6	31.0
MAGNESIUM, mg/L	9.45	9.18	8.45	8.15	8.54	7.89	8.08	7.46	7.64	8.69	8.16	9.18	8.41	7.46	9.45
SILICA, mg/L	6.59	0.17	6.45	5.59	6.16	4.72	5.59	5.79	6.00	7.12	6.18	5.90	5.52	0.17	7.12
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	19.0	24.4	23.3	25.1	22.5	19.2	19.8	16.8	17.6	19.1	18.0	19.1	20.3	16.8	25.1
POTASSIUM, mg/L	3.04	3.43	2.85	2.78	2.77	2.72	2.41	2.50	2.57	3.23	2.56	3.16	2.84	2.41	3.43
NITRATES, mg/L	1.32	1.41	1.35	1.78	1.63	1.41	1.42	1.29	0.90	0.83	0.83	1.00	1.26	0.83	1.78
NITRITES, mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	<0.01	0.00	<0.01	<0.01	<0.01	<0.01
SULFATES, mg/L	16.1	17.8	17.0	16.4	18.1	15.5	15.5	19.3	21.9	21.2	21.2	22.7	18.6	15.5	22.7
CHLORIDES, mg/L	47	52	58	58	54	47	48	48	46	47	48	47	50	46	58
FLUORIDE, mg/L	0.73	0.76	0.76	0.79	0.76	0.68	0.72	0.72	0.62	0.65	0.65	0.68	0.71	0.62	0.79
IRON, mg/L	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.02	<0.01	0.01	0.01	0.02	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	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.02
CONDUCTIVITY**,µS	326	328	358	346	376	336	301	336	345	322	333	345	338	301	376
COLOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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
RAW TEMP., °F	44.0	41.8	47.2	52.9	57.5	62.4	62.4	77.1	76.7	66.0	59.6	49.4	58.1	41.8	77.1

\* - volatile solids

\*\* - micromhos/cm

All results are in mg/L unless noted.

Note\*