

Annual Samples 2020

		Sample Location		Well #1	Well #2	Well #3	Well #4	Well #6	Well #7	Well #8	Roper PRV	Roper Reservoir	Oxford Reservoir	Merklin Low Reservoir	Merklin New Reservoir	Overall Sampling Stn
		Sampled Date		July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020
Parameter Name	Unit	Detection Limit	Guideline Limit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Inorganic Nonmetallic Parameters																
Organic Carbon	mg/L	0.5		0.8	0.7	0.6	0.5	0.7	0.6	0.5	0.6	0.6	0.5	0.6	0.8	0.7
Ammonia - N	mg/L	0.01		0.02	0.01	0.05	0.05	0.15	0.11	0.08	0.1	0.11	0.12	0.12	0.12	0.14
Metals Extractable																
Aluminum	mg/L	0.001	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	mg/L	0.00002	0.006	0.00011	0.0001	0.00007	0.00007	0.00008	0.00007	0.00006	0.00006	0.00006	0.00006	0.00007	0.00007	0.00007
Arsenic	mg/L	0.0001	0.010	0.0059	0.0038	0.0067	0.0042	0.0094	0.0083	0.0063	0.0026	0.0026	0.0025	0.0025	0.0025	0.0025
Barium	mg/L	0.0001	2.0	0.011	0.015	0.015	0.0093	0.02	0.014	0.017	0.012	0.012	0.012	0.012	0.012	0.012
Boron	mg/L	0.002	5	0.013	0.015	0.016	0.01	0.039	0.024	0.013	0.022	0.021	0.022	0.021	0.021	0.023
Cadmium	mg/L	0.00001	0.005	<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
Chromium	mg/L	0.00005	0.05	0.00022	0.00076	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00016	0.00015	0.00012	0.00015	0.00016	0.00013
Copper	mg/L	0.0005	1 AO; 2 MAC	0.0006	0.0018	0.001	0.0008	<0.0005	0.0022	0.0006	0.0009	0.0005	0.0064	0.015	<0.0005	0.0009
Lead	mg/L	0.00001	0.005	0.00007	0.00002	0.00006	0.00021	0.00002	0.00012	0.00002	0.00007	0.0001	0.00013	0.00004	<0.00001	0.00005
Selenium	mg/L	0.0002	0.05	0.0021	0.012	0.0015	<0.0002	<0.0002	<0.0002	0.002	0.0032	0.0029	0.0025	0.0029	0.0031	0.0025
Strontium	mg/L	0.0001	7.0	0.09	0.11	0.094	0.062	0.12	0.11	0.11	0.11	0.11	0.11	0.1	0.11	0.11
Uranium	mg/L	0.00001	0.02	0.00006	0.00013	0.00004	0.00005	0.00008	0.00006	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007
Vanadium	mg/L	0.00005		0.0012	0.0019	0.0016	0.0014	0.0014	0.0011	0.0013	0.00018	0.0002	0.00016	0.00014	0.00019	0.00019
Zinc	mg/L	0.0005	5.0	0.0026	0.0005	0.0013	0.0065	0.0012	0.0065	0.001	0.0017	0.001	0.0025	0.0007	<0.0005	0.0011
Metals Total																
Mercury	mg/L	0.00005	0.001	<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
Physical and Aggregate Properties																
Colour	Colour units	5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Turbidity	NTU	0.1	0.1	<0.10	<0.10	0.18	<0.10	0.14	0.18	0.1	<0.10	<0.10	0.12	0.21	<0.10	0.25
Routine Water																
pH		0.01	7.0-10.5	7.73	7.84	7.93	8	7.99	7.99	7.97	7.87	7.89	7.93	7.91	7.88	7.89
Electrical Conductivity	µS/cm at 25 °C	1		249	323	264	185	331	270	277	304	304	307	309	305	302
Calcium	mg/L	0.01		20	27	21	15	23	21	24	24	23	23	23	23	23
Iron	mg/L	0.004	0.3	<0.004	<0.004	<0.004	0.007	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Magnesium	mg/L	0.02		8.8	12	8.7	6.9	9.8	8.9	9.9	10	9.6	9.7	9.7	10	9.7
Manganese	mg/L	0.001	0.02 AO; 0.12 MAC	0.005	0.009	0.13	0.13	0.12	0.095	0.17	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Potassium	mg/L	0.04		2.9	3.2	2.9	2.3	3.9	3.4	3.1	3.2	3.2	3.3	3.3	3.3	3.3
Silicon	mg/L	0.005		10	10	11	10	11	10	11	10	10	10	10	10	10
Sodium	mg/L	0.1	200	13	12	14	7.7	26	16	12	17	17	18	17	17	17
T-Alkalinity	mg/L	5		89	104	91	80	120	110	105	105	104	105	104	104	104
Chloride	mg/L	0.05	250	14.9	22.4	20.1	5.37	21.2	10.8	13.8	21.2	20.8	20.8	21.1	21.3	20.9
Fluoride	mg/L	0.01	1.5	0.09	0.08	0.1	0.12	0.18	0.16	0.1	0.14	0.14	0.14	0.14	0.12	0.14
Nitrate - N	mg/L	0.01	10	0.37	1.18	0.1	<0.01	<0.01	0.02	0.14	0.34	0.32	0.28	0.32	0.34	0.28
Nitrite - N	mg/L	0.01	1	<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
Sulfate (SO4)	mg/L	0.1	500	13.6	19.4	12.4	8.8	18.5	14.5	16.6	17.1	17	17.1	17.1	17.2	17.1
Hardness	mg/L	1		87	118	88	67	97	89	102	100	96	97	97	100	97
Total Dissolved Solids	mg/L	1	500	157	193	162	123	203	169	173	185	181	184	184	185	183

Mann Park Sampling Stn	Malabar Sampling Stn	Chesnut & North Bluff Sampling Stn	Marine Drive Sampling Stn	Russel Avenue Atn	Steven Sampling Stn	Roper Avenue Stn	Finlay Sampling Stn	Staye Road Stn	Balsam & Marine Sampling Stn	Museam Sampling Stn	Oxford and Buena Vista Sampling Stn
July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020	July 17, 2020
Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
0.6	0.6	0.6	0.6	0.5	0.5	0.7	0.5	0.6	0.5	0.5	0.5
0.13	0.13	0.12	0.11	0.12	0.1	0.11	0.12	0.1	0.11	0.12	0.12
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
0.00007	0.00006	0.00006	0.00006	0.00007	0.00006	0.00006	0.00007	0.00006	0.00006	0.00007	0.00006
0.0026	0.0025	0.0025	0.0025	0.0026	0.0026	0.0026	0.0026	0.0026	0.0025	0.0026	0.0026
0.012	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
0.022	0.02	0.022	0.021	0.022	0.023	0.023	0.021	0.021	0.022	0.02	0.022
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00014	0.00015	0.00012	0.00012	0.00017	0.00017	0.00016	0.00016	0.00011	0.00013	0.00014	0.00014
0.002	0.0019	0.0006	0.0019	0.0005	0.0013	0.0015	0.0006	0.0021	0.0007	0.0024	0.0066
0.00012	0.00022	0.00003	0.0002	0.00005	0.00012	0.00018	0.00005	0.00033	0.00013	<0.00001	0.00032
0.0032	0.0029	0.0029	0.0027	0.0032	0.0034	0.0032	0.0032	0.0023	0.0028	0.0028	0.0028
0.11	0.11	0.11	0.1	0.11	0.11	0.11	0.11	0.1	0.1	0.11	0.11
0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00007	0.00006	0.00007	0.00007	0.00007
0.00016	0.00017	0.00019	0.00018	0.00019	0.0002	0.00023	0.00022	0.0002	0.00021	0.0002	0.00021
0.0007	0.0016	<0.0005	0.0012	<0.0005	0.0017	0.001	0.0006	0.0016	<0.0005	0.001	0.0012
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
<0.10	<0.10	<0.10	0.35	<0.10	<0.10	<0.10	<0.10	<0.10	0.41	<0.10	<0.10
7.88	7.85	7.83	7.86	7.91	7.89	7.95	7.93	7.91	7.92	7.92	7.93
302	302	301	302	305	306	307	306	301	303	305	305
23	24	23	23	23	23	23	24	23	23	24	23
<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
9.9	10	9.7	9.7	10	9.8	9.7	10	9.5	9.9	9.8	9.8
0.002	0.002	0.005	0.004	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.002
3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3
11	10	10	10	10	10	10	10	10	10	10	10
17	17	17	17	17	17	17	17	17	17	17	17
104	104	104	104	104	104	104	104	103	105	105	104
21	21	20.5	20.5	21.2	21.2	21	21.1	20.2	20.7	20.6	20.6
0.13	0.12	0.14	0.13	0.14	0.14	0.13	0.15	0.15	0.14	0.13	0.14
0.34	0.32	0.32	0.31	0.35	0.35	0.33	0.34	0.28	0.31	0.31	0.31
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
17.1	17	16.8	16.8	17.1	17	16.9	17	16.8	17	16.9	16.8
99	100	97	98	99	97	97	100	97	99	99	98
184	184	182	183	184	183	182	185	181	184	184	182