

Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location						
				Well #1 Sep 13, 2017	Well #2 Sep 13, 2017	Well #3 Sep 13, 2017	Well #6 Sep 13, 2017	Well #7 Sep 13, 2017	Chestnut Stn Sep 13, 2017	Marine Dr Stn Sep 13, 2017
Inorganic Nonmetallic Parameters										
Organic Carbon	mg/L	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ammonia - N	mg/L	0.01		0.01	<0.01	0.05	0.13	0.09	0.13	0.14
Metals Extractable										
Aluminum	mg/L	0.001	0.1	0.005	<0.001	<0.001	0.002	<0.001	<0.001	<0.001
Antimony	mg/L	0.00002	0.006	0.00017	0.00014	0.00009	0.00008	0.00009	0.00012	0.00009
Arsenic	mg/L	0.0001	0.010	0.0066	0.0040	0.0071	0.0094	0.009	0.0071	0.0071
Barium	mg/L	0.0001	1	0.0162	0.0185	0.0181	0.0251	0.0186	0.0124	0.0133
Boron	mg/L	0.002	5	0.019	0.017	0.016	0.039	0.023	0.016	0.016
Cadmium	mg/L	0.00001	0.005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chromium	mg/L	0.00005	0.05	0.00011	0.00058	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Copper	mg/L	0.0005	1.0	0.0085	0.0015	0.0007	0.0005	<0.0005	0.0019	0.0043
Lead	mg/L	0.00001	0.01	0.00020	0.00003	0.00002	0.00006	0.00074	0.00029	0.00043
Selenium	mg/L	0.0002	0.05	0.0027	0.0160	<0.0002	<0.0002	<0.0002	0.0014	0.0013
Uranium	mg/L	0.00001	0.02	0.00015	0.00027	0.000096	0.00017	0.00014	0.00014	0.00013
Vanadium	mg/L	0.00005		0.00274	0.00364	0.00299	0.00249	0.00224	0.00289	0.00286
Zinc	mg/L	0.0005	5.0	0.0106	0.0023	0.0027	0.0012	0.0017	0.0017	0.0035
Metals Total										
Mercury	mg/L	0.00001	0.001	<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
Turbidity	NTU	0.02		0.21	0.30	0.09	0.13	0.06	0.15	0.15
Routine Water										
pH			6.5-8.5	7.73	7.67	7.78	7.84	7.84	7.72	7.26
Electrical Conductivity		1		257	292	243	310	263	246	244
Calcium	mg/L	0.01		22	28	22	25	24	22	22
Iron	mg/L	0.004	0.3	0.005	0.064	0.008	0.009	0.006	0.019	0.006
Magnesium	mg/L	0.02		9.8	13	9.2	11	10	9.4	9.6
Manganese	mg/L	0.001	0.05	0.047	0.013	0.20	0.15	0.12	0.051	0.058
Potassium	mg/L	0.04	200	3.2	3.3	3.3	4.2	3.9	3.1	3.1
Silicon	mg/L	0.005		12	12	12	12	12	11	12
Sodium	mg/L	0.1		16	14	17	26	18	14	14
T-Alkalinity	mg/L	5		83	89	78	105	102	51	33
Chloride	mg/L	0.05	250	16.5	16.8	17.7	16.3	10.6	13.6	13.3
Fluoride	mg/L	0.01	1.5	0.12	0.12	0.13	0.19	0.17	0.13	0.13
Nitrate - N	mg/L	0.01	10	0.18	0.84	<0.01	<0.01	<0.01	0.08	0.07
Nitrite - N	mg/L	0.01	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sulfate (SO4)	mg/L	0.5	500	13.2	20.2	10.1	19.6	14.2	13.2	12.9
Hardness	mg/L	1		97	124	92	108	101	93	95
Total Dissolved Solids	mg/L	1		164	185	158	198	173	137	127

Annual Samples 2017

Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location						
				Malabar Stn Sep 13, 2017	Mann Park Stn Sep 13, 2017	Balsam Stn Sep 13, 2017	Oxford Stn Sep 13, 2017	Oxford Reservoir Sep 13, 2017	Everall Stn Sep 13, 2017	Russell Stn Sep 13, 2017
Inorganic Nonmetallic Parameters										
Organic Carbon	mg/L	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ammonia - N	mg/L	0.01		0.14	0.14	0.09	0.08	0.15	0.15	0.11
Metals Extractable										
Aluminum	mg/L	0.001	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
Antimony	mg/L	0.00002	0.006	0.00006	0.00006	0.00006	0.00006	0.00035	0.00006	0.00006
Arsenic	mg/L	0.0001	0.010	0.0070	0.0070	0.0089	0.0083	0.0070	0.0069	0.0082
Barium	mg/L	0.0001	1	0.0150	0.0160	0.0201	0.0193	0.0176	0.0172	0.0191
Boron	mg/L	0.002	5	0.016	0.016	0.036	0.028	0.016	0.016	0.028
Cadmium	mg/L	0.00001	0.005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chromium	mg/L	0.00005	0.05	<0.00005	0.00007	<0.00005	<0.00005	<0.00005	0.00006	<0.00005
Copper	mg/L	0.0005	1.0	0.0047	0.0076	0.0253	0.0013	<0.0005	0.0013	0.0015
Lead	mg/L	0.00001	0.01	0.00062	0.00034	0.00034	0.00027	<0.00001	0.000099	0.00014
Selenium	mg/L	0.0002	0.05	0.0014	0.0014	0.0002	0.0004	0.0014	0.0013	0.0008
Uranium	mg/L	0.00001	0.02	0.00013	0.00013	0.00016	0.00015	0.00014	0.00013	0.00015
Vanadium	mg/L	0.00005		0.00263	0.00268	0.00251	0.00251	0.00264	0.00261	0.00257
Zinc	mg/L	0.0005	5.0	0.0052	0.0022	0.0030	0.0006	<0.0005	0.0020	0.0011
Metals Total										
Mercury	mg/L	0.00001	0.001	<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
Turbidity	NTU	0.02		0.11	0.42	0.32	0.22	0.05	<0.05	0.17
Routine Water										
pH			6.5-8.5	7.73	7.74	7.83	7.76	7.78	7.88	8.00
Electrical Conductivity		1		246	246	295	291	252	238	264
Calcium	mg/L	0.01		22	21	22	23	22	21	23
Iron	mg/L	0.004	0.3	0.004	<0.004	0.006	0.016	0.005	0.005	0.005
Magnesium	mg/L	0.02		9.4	9.4	10	10	9.6	9.3	9.9
Manganese	mg/L	0.001	0.05	0.086	0.094	0.12	0.14	0.12	0.11	0.11
Potassium	mg/L	0.04	200	3.0	3.0	3.6	3.6	3.1	3.0	3.5
Silicon	mg/L	0.005		11	11	11	12	12	11	12
Sodium	mg/L	0.1		14	13	22	21	14	14	19
T-Alkalinity	mg/L	5		72	60	96	104	92	62	105
Chloride	mg/L	0.05	250	13.1	13.2	15.6	14.9	13.4	13.4	14.5
Fluoride	mg/L	0.01	1.5	0.14	0.13	0.19	0.17	0.13	0.12	0.16
Nitrate - N	mg/L	0.01	10	0.097	0.07	0.02	0.06	0.14	0.08	0.06
Nitrite - N	mg/L	0.01	1	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Sulfate (SO4)	mg/L	0.5	500	13.6	13.3	17.6	16.8	13.6	13.2	16.3
Hardness	mg/L	1		93	92	97	100	96	92	98
Total Dissolved Solids	mg/L	1		149	141	179	184	164	143	182

Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location						
				Stevens Stn Sep 13, 2017	Finlay Stn Sep 13, 2017	Stayte Stn Sep 13, 2017	Roper Stn Sep 13, 2017	Merklin Reservoir Sep 13, 2017	Merklin Low Reservoir Sep 13, 2017	Roper Reservoir Sep 13, 2017
Inorganic Nonmetallic Parameters										
Organic Carbon	mg/L	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ammonia - N	mg/L	0.01		0.08	0.09	0.1	0.08	0.08	0.09	0.09
Metals Extractable										
Aluminum	mg/L	0.001	0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	mg/L	0.00002	0.006	0.00006	0.00005	0.00006	0.00006	0.00118	0.00006	0.00021
Arsenic	mg/L	0.0001	0.010	0.0095	0.0093	0.0073	0.0091	0.0094	0.0093	0.0079
Barium	mg/L	0.0001	1	0.0227	0.0226	0.0179	0.0221	0.0236	0.0228	0.0179
Boron	mg/L	0.002	5	0.037	0.036	0.018	0.037	0.040	0.034	0.026
Cadmium	mg/L	0.00001	0.005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chromium	mg/L	0.00005	0.05	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Copper	mg/L	0.0005	1.0	0.00029	0.0011	0.0036	0.0066	<0.0005	0.0334	0.0021
Lead	mg/L	0.00001	0.01	0.00018	0.00009	0.00048	0.00122	<0.00001	0.00050	0.00029
Selenium	mg/L	0.0002	0.05	<0.0002	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	0.0008
Uranium	mg/L	0.00001	0.02	0.00017	0.00016	0.00013	0.00016	0.00021	0.00016	0.00015
Vanadium	mg/L	0.00005		0.00242	0.00237	0.00249	0.00239	0.00250	0.00237	0.00266
Zinc	mg/L	0.0005	5.0	0.0039	<0.0005	0.0032	0.0095	<0.0005	0.0059	0.0056
Metals Total										
Mercury	mg/L	0.00001	0.001	<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
Turbidity	NTU	0.02		0.27	0.16	0.25	0.30	0.19	0.33	0.19
Routine Water										
pH			6.5-8.5	8.05	7.33	7.62	8.04	7.85	7.83	7.86
Electrical Conductivity		1		289	307	257	286	303	298	271
Calcium	mg/L	0.01		24	23	21	23	24	23	24
Iron	mg/L	0.004	0.3	0.005	0.008	0.008	0.011	0.006	0.007	0.015
Magnesium	mg/L	0.02		10	10	9.3	10	11	10	9.8
Manganese	mg/L	0.001	0.05	0.14	0.13	0.11	0.13	0.14	0.14	0.10
Potassium	mg/L	0.04	200	3.9	3.7	3.1	3.8	3.9	3.8	3.5
Silicon	mg/L	0.005		12	11	11	11	12	12	12
Sodium	mg/L	0.1		25	24	15	23	25	24	18
T-Alkalinity	mg/L	5		118	55	57	121	119	107	94
Chloride	mg/L	0.05	250	16.3	16.1	13.9	15.6	15.8	15.6	14.2
Fluoride	mg/L	0.01	1.5	0.19	0.18	0.13	0.20	0.18	0.19	0.15
Nitrate - N	mg/L	0.01	10	<0.01	<0.1	0.08	<0.01	<0.01	0.01	0.12
Nitrite - N	mg/L	0.01	1	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01
Sulfate (SO4)	mg/L	0.5	500	18.5	17.8	13.9	17.8	18.5	18.0	15.0
Hardness	mg/L	1		102	98	91	101	103	101	99
Total Dissolved Solids	mg/L	1		200	157	141	198	201	191	173