Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location						
				Well #1 October 25, 2016	Well #2 October 25, 2016	Well #3 October 25, 2016	Well #4 October 25, 2016	Well #5 October 25, 2016	Chestnut Stn October 25, 2016	Marine Dr Stn October 25, 2016
Inorganic Nonmetallic Parameters										
Organic Carbon	**mg/L**	**0.5**		0.7	0.7	0.7	0.9	0.8	0.7	0.8
Ammonia - N	**mg/L**	**0.01**		0.04	<0.01	0.06	0.03	0.04	<0.01	<0.01
Metals Extractable										
Aluminum	**mg/L**	**0.001**	**0.1**	0.00392	0.00255	0.00205	0.00215	<0.00100	0.00281	0.00180
Antimony	**mg/L**	**0.00002**	**0.006**	0.000086	0.000079	0.000063	0.000036	0.000091	0.000076	0.000072
Arsenic	**mg/L**	**0.0001**	**0.010**	0.0066	0.0049	0.0066	0.0028	0.0084	0.0059	0.0059
Barium	**mg/L**	**0.0001**	**1**	0.0146	0.0151	0.0164	0.0150	0.0113	0.0153	0.0153
Boron	**mg/L**	**0.002**	**5**	0.019	0.018	0.016	0.01	0.069	0.020	0.018
Cadmium	**mg/L**	**0.00001**	**0.005**	0.000022	0.000018	0.000016	<0.00001	<0.00001	<0.00001	<0.00001
Chromium	**mg/L**	**0.00005**	**0.05**	0.000158	0.000399	0.000061	<0.000050	0.000977	0.000212	0.000225
Copper	**mg/L**	**0.0005**	**1.0**	0.0044	0.0009	<0.0005	<0.0005	0.0045	0.0006	0.0048
Lead	**mg/L**	**0.00001**	**0.01**	0.000336	0.000092	0.000031	0.000084	0.000028	0.000347	0.000479
Selenium	**mg/L**	**0.0002**	**0.05**	0.0015	0.0074	0.0002	<0.0002	0.0009	0.0034	0.0036
Uranium	**mg/L**	**0.00001**	**0.02**	0.000139	0.000234	0.000103	0.00010	0.000227	0.000143	0.000143
Vanadium	**mg/L**	**0.00005**		0.00275	0.00349	0.00293	0.00206	0.00445	0.00268	0.00279
Zinc	**mg/L**	**0.0005**	**5.0**	0.0087	0.0123	0.0015	0.0033	0.0196	<0.0005	0.0030
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**		0.12	1.2	0.07	0.23	0.08	0.10	0.16
Routine Water										
pH			**6.5-8.5**	7.35	7.36	7.42	7.42	7.35	7.35	7.37
Electrical Conductivity		**1**		266	264	226	232	488	266	269
Calcium	**mg/L**	**0.01**		22.4	25.8	21.5	24.4	23.2	23.0	23.2
Iron	**mg/L**	**0.004**	**0.3**	0.011	0.227	0.008	0.018	0.006	0.006	<0.004
Mangesium	**mg/L**	**0.02**		9.4	10.9	8.7	11.1	11.2	9.8	9.6
Manganese	**mg/L**	**0.001**	**0.05**	0.062	0.003	0.189	0.187	0.010	0.007	0.010
Potassium	**mg/L**	**0.04**	**200**	3.2	3.2	3.0	2.7	4.8	3.2	3.1
Silicon	**mg/L**	**0.005**		11.5	11.7	11.7	12.4	11.7	11.5	11.4
Sodium	**mg/L**	**0.1**		18.5	13.8	13.5	9.0	66.9	17.9	17.5
T-Alkalinity	**mg/L**	**5**		97	107	97	104	120	98	99
Chloride	**mg/L**	**0.05**	**250**	24.4	13.1	12.4	8.15	69.2	20.1	20.6
Fluoride	**mg/L**	**0.01**	**1.5**	0.13	0.13	0.13	0.11	0.14	0.12	0.11
Nitrate - N	**mg/L**	**0.01**	**10**	<0.01	0.35	<0.01	<0.01	0.96	0.16	0.18
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**	14.5	17.9	11.7	15.0	22.7	14.0	14.9
Hardness	**mg/L**	**1**		94	109	89	107	104	98	97
Total Dissolved Solids	**mg/L**	**1**		182	182	161	166	306	179	180

Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location						
				Malabar Stn October 25, 2016	Mann Park Stn October 25, 2016	Main Shop October 25, 2016	Oxford Stn October 25, 2016	Oxford Reservoir October 25, 2016	Everall Stn October 25, 2016	Russell Stn October 25, 2016
Inorganic Nonmetallic Parameters										
Organic Carbon	**mg/L**	**0.5**		0.7	0.6	0.7	0.7	0.7	0.6	0.6
Ammonia - N	**mg/L**	**0.01**		<0.01	<0.01	0.02	0.02	<0.01	<0.01	<0.01
Metals Extractable										
Aluminum	**mg/L**	**0.001**	**0.1**	0.0022	0.00149	0.00192	0.0129	0.00207	0.00144	0.00158
Antimony	**mg/L**	**0.00002**	**0.006**	0.000076	0.000072	0.000077	0.000077	0.000072	0.000065	0.000072
Arsenic	**mg/L**	**0.0001**	**0.010**	0.0061	0.0061	0.0084	0.0085	0.0060	0.0062	0.0061
Barium	**mg/L**	**0.0001**	**1**	0.0153	0.0148	0.0117	0.0116	0.0147	0.0144	0.0144
Boron	**mg/L**	**0.002**	**5**	0.015	0.019	0.070	0.073	0.020	0.016	0.020
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**	0.000193	0.000205	0.000925	0.000916	0.000234	0.000154	0.000200
Copper	**mg/L**	**0.0005**	**1.0**	0.0028	0.0111	0.0127	0.0022	0.0171	0.0009	0.0015
Lead	**mg/L**	**0.00001**	**0.01**	0.000411	0.000378	0.000305	0.00463	0.000279	0.000140	0.000335
Selenium	**mg/L**	**0.0002**	**0.05**	0.0033	0.0035	0.001	0.001	0.0034	0.0026	0.0034
Uranium	**mg/L**	**0.00001**	**0.02**	0.000138	0.000139	0.000229	0.000235	0.000140	0.000129	0.000143
Vanadium	**mg/L**	**0.00005**		0.00284	0.00287	0.00427	0.00442	0.00287	0.00288	0.00280
Zinc	**mg/L**	**0.0005**	**5.0**	0.0018	0.0018	0.0242	0.0014	0.0134	0.0013	0.0022
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**		0.18	0.12	0.10	0.08	0.23	0.20	0.11
Routine Water										
pH			**6.5-8.5**	7.34	7.34	7.34	7.32	7.35	7.35	7.36
Electrical Conductivity		**1**		269	272	502	499	266	265	266
Calcium	**mg/L**	**0.01**		22.5	22.9	23.0	23.2	23.0	22.7	22.9
Iron	**mg/L**	**0.004**	**0.3**	<0.004	<0.004	<0.004	<0.004	0.011	<0.004	<0.004
Mangesium	**mg/L**	**0.02**		9.4	9.5	10.9	10.9	9.6	9.2	9.4
Manganese	**mg/L**	**0.001**	**0.05**	0.026	0.016	0.007	0.008	0.041	0.048	0.023
Potassium	**mg/L**	**0.04**	**200**	3.1	3.1	4.6	4.6	3.1	3.1	3.1
Silicon	**mg/L**	**0.005**		11.2	11.3	11.4	11.3	11.0	11.1	11.1
Sodium	**mg/L**	**0.1**		17.7	17.7	67.4	68.1	18.0	18.4	17.8
T-Alkalinity	**mg/L**	**5**		97	98	121	119	97	97	98
Chloride	**mg/L**	**0.05**	**250**	20.9	20.8	73.0	71.7	21.8	21.8	21.0
Fluoride	**mg/L**	**0.01**	**1.5**	0.12	0.15	0.17	0.13	0.13	0.12	0.11
Nitrate - N	**mg/L**	**0.01**	**10**	0.15	0.18	0.98	1.07	0.13	0.09	<0.01
Nitrite - N	**mg/L**	**0.01**	**1**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01
Sulfate (SO4)	**mg/L**	**0.5**	**500**	14.8	14.8	23.2	24.3	15.3	14.5	13.9
Hardness	**mg/L**	**1**		95	96	102	103	97	95	96
Total Dissolved Solids	**mg/L**	**1**		178	179	310	310	180	178	177

Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location						
				Stevens Stn October 25, 2016	Finlay Stn October 25, 2016	Stayte Stn October 25, 2016	City Washroom October 25, 2016	Roper Stn October 25, 2016	Merklin Reservoir October 25, 2016	Well #6 October 25, 2016
Inorganic Nonmetallic Parameters										
Organic Carbon	**mg/L**	**0.5**		0.8	1.6	0.9	0.8	0.9	0.8	0.8
Ammonia - N	**mg/L**	**0.01**		0.12	0.07	<0.01	<0.01	0.12	0.11	0.15
Metals Extractable										
Aluminum	**mg/L**	**0.001**	**0.1**	0.00145	0.00213	0.00241	<0.00100	<0.00100	<0.00100	<0.00100
Antimony	**mg/L**	**0.00002**	**0.006**	0.000068	0.000064	0.000092	0.000091	0.000054	0.000055	0.000052
Arsenic	**mg/L**	**0.0001**	**0.010**	0.0091	0.0081	0.0080	0.0081	0.0093	0.0092	0.0093
Barium	**mg/L**	**0.0001**	**1**	0.210	0.0174	0.0130	0.0122	0.0203	0.0216	0.0218
Boron	**mg/L**	**0.002**	**5**	0.040	0.033	0.071	0.073	0.043	0.041	0.041
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**	<0.000050	0.000145	0.000680	0.000719	<0.000050	<0.000050	0.000051
Copper	**mg/L**	**0.0005**	**1.0**	0.0023	0.0018	0.0045	0.120	0.0044	<0.0005	<0.0005
Lead	**mg/L**	**0.00001**	**0.01**	0.000172	0.00296	0.000954	0.000992	0.00111	0.000056	0.000079
Selenium	**mg/L**	**0.0002**	**0.05**	<0.0002	0.0012	0.0009	0.0008	<0.0002	<0.0002	<0.0002
Uranium	**mg/L**	**0.00001**	**0.02**	0.000165	0.000151	0.000233	0.000234	0.000150	0.000158	0.000154
Vanadium	**mg/L**	**0.00005**		0.00256	0.00258	0.00414	0.00412	0.00250	0.00253	0.00251
Zinc	**mg/L**	**0.0005**	**5.0**	0.0016	<0.0005	0.0088	0.0281	0.0026	0.001	0.0007
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**		0.06	0.20	0.07	0.12	0.05	0.10	0.06
Routine Water										
pH			**6.5-8.5**	7.52	7.45	7.3	7.32	7.48	7.47	7.49
Electrical Conductivity		**1**		314	308	499	504	317	316	316
Calcium	**mg/L**	**0.01**		23.8	23.2	22.8	22.6	23.5	23.6	23.8
Iron	**mg/L**	**0.004**	**0.3**	<0.004	<0.004	<0.004	0.020	0.007	0.004	0.005
Mangesium	**mg/L**	**0.02**		9.9	9.6	10.8	10.8	9.8	9.8	9.9
Manganese	**mg/L**	**0.001**	**0.05**	0.135	0.065	0.006	0.009	0.127	0.140	0.141
Potassium	**mg/L**	**0.04**	**200**	3.9	3.5	4.5	4.5	3.8	3.8	3.8
Silicon	**mg/L**	**0.005**		11.3	11.2	11.1	11.1	11.2	11.3	11.3
Sodium	**mg/L**	**0.1**		28.7	24.3	63.8	65.0	28.1	28.4	28.1
T-Alkalinity	**mg/L**	**5**		125	114	121	119	124	125	125
Chloride	**mg/L**	**0.05**	**250**	18.0	18.6	70.4	76.7	18.4	18.3	18.1
Fluoride	**mg/L**	**0.01**	**1.5**	0.21	0.18	0.13	0.12	0.19	0.23	0.19
Nitrate - N	**mg/L**	**0.01**	**10**	<0.01	<0.01	1.12	1.00	<0.01	<0.01	<0.01
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**	19.7	17.5	23.1	22.8	20.4	19.3	20.0
Hardness	**mg/L**	**1**		100	97	101	101	99	100	100
Total Dissolved Solids	**mg/L**	**1**		210	196	303	309	209	209	210

Sample	Unit of Measure	Nominal Detection Limit	Guideline Limit	Sample Location			
				Well #7 October 25, 2016	Roper PRV- High Zone October 25, 2016	Roper PRV- Low Zone October 25, 2016	Roper Reservoir October 25, 2016
Inorganic Nonmetallic Parameters							
Organic Carbon	**mg/L**	**0.5**		0.7	0.7	0.7	0.7
Ammonia - N	**mg/L**	**0.01**		0.11	0.08	0.09	0.01
Metals Extractable							
Aluminum	**mg/L**	**0.001**	**0.1**	0.00151	0.00182	0.00153	0.00458
Antimony	**mg/L**	**0.00002**	**0.006**	0.000063	0.000063	0.000114	0.000107
Arsenic	**mg/L**	**0.0001**	**0.010**	0.0089	0.0082	0.0081	0.0081
Barium	**mg/L**	**0.0001**	**1**	0.0152	0.0178	0.0185	0.0130
Boron	**mg/L**	**0.002**	**5**	0.024	0.037	0.032	0.071
Cadmium	**mg/L**	**0.00001**	**0.005**	<0.00001	<0.00001	0.000016	0.000032
Chromium	**mg/L**	**0.00005**	**0.05**	<0.000050	0.000092	0.000109	0.000751
Copper	**mg/L**	**0.0005**	**1.0**	0.001	0.0048	0.0012	0.0017
Lead	**mg/L**	**0.00001**	**0.01**	0.00273	0.000056	0.000160	0.000553
Selenium	**mg/L**	**0.0002**	**0.05**	<0.0002	0.0008	0.0009	0.0013
Uranium	**mg/L**	**0.00001**	**0.02**	0.000124	0.000153	0.000184	0.000231
Vanadium	**mg/L**	**0.00005**		0.00212	0.00263	0.00266	0.00410
Zinc	**mg/L**	**0.0005**	**5.0**	0.0025	0.0047	0.0035	0.0209
Metals Total							
Mercury	**mg/L**	**0.00001**	**0.001**	<0.00001	<0.00001	<0.00001	<0.00001
Physical and Aggregate Properties							
Colour	**Colour Units**	**5**		<5	<5	<5	<5
Turbidity	**NTU**	**0.02**		0.09	0.17	0.20	0.06
Routine Water							
pH			**6.5-8.5**	7.43	7.46	7.46	7.37
Electrical Conductivity		**1**		249	306	311	469
Calcium	**mg/L**	**0.01**		21.9	23.5	23.1	22.7
Iron	**mg/L**	**0.004**	**0.3**	0.011	<0.004	0.004	<0.004
Mangesium	**mg/L**	**0.02**		9.2	9.7	9.6	10.7
Manganese	**mg/L**	**0.001**	**0.05**	0.110	0.086	0.091	0.015
Potassium	**mg/L**	**0.04**	**200**	3.5	3.6	3.5	4.3
Silicon	**mg/L**	**0.005**		11.2	11.2	11.1	11.1
Sodium	**mg/L**	**0.1**		15.6	25.6	25.0	55.7
T-Alkalinity	**mg/L**	**5**		109	116	117	117
Chloride	**mg/L**	**0.05**	**250**	8.69	18.8	19.3	62.9
Fluoride	**mg/L**	**0.01**	**1.5**	0.18	0.15	0.18	0.15
Nitrate - N	**mg/L**	**0.01**	**10**	<0.01	<0.01	<0.01	0.80
Nitrite - N	**mg/L**	**0.01**	**1**	<0.01	<0.01	<0.01	<0.01
Sulfate (SO4)	**mg/L**	**0.5**	**500**	14.1	18.1	18.5	22.6
Hardness	**mg/L**	**1**		93	99	97	100
Total Dissolved Solids	**mg/L**	**1**		169	199	199	283