

Appendix III Tabular Summary of 2020 SNP Water Quality Data

Sample Point : SNP 02-02

Parameters	Units	19-Jun-20	29-Jun-20	13-Jul-20		27-Jul-20	10-Aug-20		17-Aug-20
		10:50	16:16	09:03		10:20	13:05	13:10	10:08
					Travel Blank			Duplicate	
Alkalinity -Tot (CaCO3)	mg/L	49.0	42.1	46.5	<1.0	44.8	62.7	62.0	64.8
Alkalinity, Hydroxide	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Aluminum (Al) - Dis	µg/L	26.30	23.10	24.60	<3.00	28.30	15.40	15.70	19.00
Aluminum (Al) - Tot	mg/L	0.0263	0.0231	0.0246	<0.0030	0.0283	0.0154	0.0157	0.0190
	µg/L	309.00	736.00	123.00	<3.00	69.80	61.50	52.70	101.00
Ammonia-N	mg/L	0.309	0.736	0.123	<0.0030	0.0698	0.0615	0.0527	0.101
	mg/L	0.0696	0.0306	0.0181	<0.0050	0.0299	0.0480	0.0470	0.0940
Ammonia-N [Rolling 4	mg/L	0.0414	0.042175	0.0332	0.005	0.0273	0.03165	0.083675	0.0475
Antimony (Sb) - Dis	µg/L	<0.10	<0.10	0.11	<0.10	0.15	<0.10	<0.10	0.13
Antimony (Sb) - Tot	mg/L	<0.00010	<0.00010	0.00011	<0.00010	0.00015	<0.00010	<0.00010	0.00013
	µg/L	<0.10	<0.10	0.12	<0.10	0.16	0.11	0.11	0.12
Arsenic (As) - Dis	mg/L	<0.00010	<0.00010	0.00012	<0.00010	0.00016	0.00011	0.00011	0.00012
	µg/L	0.12	0.17	0.11	<0.03	0.17	0.15	0.17	0.16
Arsenic (As) - Tot	mg/L	0.000118	0.000173	0.000109	<0.000030	0.000168	0.000152	0.000169	0.000164
	µg/L	0.20	0.17	0.14	<0.03	0.22	0.25	0.25	0.20
Barium (Ba) - Dis	mg/L	0.000199	0.000174	0.000141	<0.000030	0.000217	0.000247	0.000246	0.000195
	µg/L	19.50	17.50	22.20	<0.10	21.10	26.80	27.00	19.70
Barium (Ba) - Tot	mg/L	0.0195	0.0175	0.0222	<0.00010	0.0211	0.0268	0.0270	0.0197
	µg/L	22.80	20.60	23.70	<0.10	22.10	26.50	26.10	20.70
Benzene	mg/L	0.0228	0.0206	0.0237	<0.00010	0.0221	0.0265	0.0261	0.0207
	µg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Beryllium (Be) - Dis	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Beryllium (Be) - Tot	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Boron (B) - Dis	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	µg/L	265.00	244.00	265.00	<5.00	269.00	410.00	405.00	292.00
Boron (B) - Tot	mg/L	0.265	0.244	0.265	<0.0050	0.269	0.410	0.405	0.292
	µg/L	288.00	292.00	309.00	<10.00	279.00	428.00	432.00	280.00
Cadmium (Cd) - Dis	mg/L	0.288	0.292	0.309	<0.010	0.279	0.428	0.432	0.280
	µg/L	<0.02	0.01	<0.02	<0.01	<0.02	<0.03	<0.03	<0.02
Cadmium (Cd) - Tot	mg/L	<0.000020	0.0000142	<0.000020	<0.0000050	<0.000020	<0.000035	<0.000035	<0.000020
	µg/L	0.02	0.02	0.02	<0.01	<0.02	<0.03	<0.02	<0.01
Calcium (Ca) - Dis	mg/L	0.0000217	0.0000185	0.0000182	<0.0000050	<0.000015	<0.000025	<0.000020	<0.000010
	µg/L	58200.00	54000.00	68600.00	<50.00	51200.00	68900.00	71700.00	46600.00
Carbon, Organic Total	mg/L	58.2	54	68.6	<0.050	51.2	68.9	71.7	46.6
	µg/L	6.24	5.87	6.40	<0.50	6.48	5.88	5.59	6.36
Cesium (Cs) - Dis	µg/L	0.03	0.03	0.03	<0.01	0.03	0.05	0.05	0.03
	mg/L	0.000027	0.000025	0.000031	<0.000010	0.000033	0.000046	0.000049	0.000029
Cesium (Cs) - Tot	µg/L	0.06	0.07	0.04	<0.01	0.03	0.05	0.05	0.04
	mg/L	0.000063	0.000071	0.000042	<0.000010	0.000034	0.000054	0.000053	0.000039
Chloride	mg/L	54.7	43.3	51.5	<0.50	43.4	45.8	45.6	21.5
Chromium (Cr) - Dis	µg/L	0.16	0.11	<0.10	<0.10	0.16	0.11	0.12	0.21
	mg/L	0.00016	0.00011	<0.00010	<0.00010	0.00016	0.00011	0.00012	0.00021
Chromium (Cr) - Tot	µg/L	1.25	1.59	0.94	<0.10	0.33	0.41	0.37	0.58
	mg/L	0.00125	0.00159	0.00094	<0.00010	0.00033	0.00041	0.00037	0.00058
Cobalt (Co) - Dis	µg/L	0.66	0.65	0.42	<0.10	0.35	0.51	0.52	0.64
	mg/L	0.00066	0.00065	0.00042	<0.00010	0.00035	0.00051	0.00052	0.00064
Cobalt (Co) - Tot	µg/L	1.00	1.14	0.71	<0.10	0.41	0.66	0.64	0.73
	mg/L	0.00100	0.00114	0.00071	<0.00010	0.00041	0.00066	0.00064	0.00073
Conductivity [Field]	µS/cm	743	622	776		624	786.0	786.0	547
Conductivity [Lab]	µS/cm	746	684	730	<2.0	659	786	787	558
Copper (Cu) - Dis	µg/L	1.57	1.90	1.64	<0.50	2.10	2.42	1.96	3.03
	mg/L	0.00157	0.0019	0.00164	<0.00050	0.00210	0.00242	0.00196	0.00303
Copper (Cu) - Tot	µg/L	1.94	1.84	1.77	<0.50	2.08	1.86	1.84	2.81
	mg/L	0.00194	0.00184	0.00177	<0.00050	0.00208	0.00186	0.00184	0.00281
Ethylbenzene	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
F1 (C6-C10)	mg/L	I (<0.10)							
F1-BTEX	mg/L	I (<0.10)							
F2 (C10-C16)	mg/L	I (<0.30)	<0.30	I (<0.30)	I (<0.30)	<0.30	I (<0.30)	I (<0.30)	I (<0.30)
Fluoride (F)	mg/L	0.28	0.272	0.35	<0.020	0.369	0.46	0.45	0.357
Fluoride (F) [Rolling 4	mg/L	0.3625	0.314	0.323	0.02	0.31575	0.36275	0.2515	0.384
Hardness	mg/L	278	258	318	<0.50	236	326	339	217
Iron (Fe) - Dis	µg/L	31.00	24.00	<10.00	<10.00	30.00	12.00	13.00	67.00
	mg/L	0.031	0.024	<0.010	<0.010	0.030	0.012	0.013	0.067

Sample Point : SNP 02-02

		19-Jun-20	29-Jun-20	13-Jul-20		27-Jul-20	10-Aug-20		17-Aug-20
		10:50	16:16	09:03		10:20	13:05	13:10	10:08
					Travel Blank			Duplicate	
Total Dissolved Solids -	mg/L	l (564)	l (489)	l (565)	l (<10)	454	606	610	400
Total Kjeldahl Nitrogen	mg/L	0.382	0.767	0.621	<0.050	0.574	0.459	0.420	0.869
Total Suspended Solids	mg/L	l (6.7)	l (9.1)	l (2.8)	l (<1.0)	3.0	4.2	3.1	4.4
Total Suspended Solids	mg/L	4.25	9.1	2.8	1	3	3.6	3.8	3.86667
Turbidity [Lab]	NTU	l (4.68)	l (6.48)	l (0.58)	l (<0.10)	l (1.10)	l (0.73)	l (0.96)	l (1.46)
Uranium (U) - Dis	µg/L	3.88	3.02	2.75	<0.01	2.24	2.56	2.73	2.59
	mg/L	0.00388	0.00302	0.00275	<0.000010	0.00224	0.00256	0.00273	0.00259
Uranium (U) - Tot	µg/L	4.05	3.54	3.00	<0.01	2.37	2.67	2.68	2.68
	mg/L	0.00405	0.00354	0.00300	<0.000010	0.00237	0.00267	0.00268	0.00268
Vanadium (V) - Dis	µg/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vanadium (V) - Tot	µg/L	<1.00	1.40	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	mg/L	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Water Temperature	°C	10.8	7.1	13.6		14.9	16.20	16.20	12.8
Xylene	mg/L	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075
Zinc (Zn) - Dis	µg/L	<3.00	<3.00	<3.00	<3.00	<3.00	4.80	<3.00	5.90
	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0048	<0.0030	0.0059
Zinc (Zn) - Tot	µg/L	3.50	4.20	<3.00	<3.00	<3.00	3.10	3.50	5.70
	mg/L	0.0035	0.0042	<0.0030	<0.0030	<0.0030	0.0031	0.0035	0.0057

Sample Point : SNP 02-05

Parameters	Units	7-Jul-20	15-Jul-20	16-Aug-20
		14:03	15:15	13:00
Alkalinity -Tot (CaCO3)	mg/L	23.7	14.5	27.5
Alkalinity, Hydroxide	mg/L	<1.0	<1.0	<1.0
Aluminum (Al) - Dis	µg/L	29.50	173.00	32.20
	mg/L	0.0295	0.173	0.0322
Aluminum (Al) - Tot	µg/L	275.00	1040.00	104.00
	mg/L	0.275	1.04	0.104
Ammonia-N	mg/L	0.0053	0.0204	0.0075
Ammonia-N [Rolling 4	mg/L	0.01325	0.017025	0.014375
Antimony (Sb) - Dis	µg/L	0.11	0.15	0.12
	mg/L	0.00011	0.00015	0.00012
Antimony (Sb) - Tot	µg/L	0.15	0.14	0.11
	mg/L	0.00015	0.00014	0.00011
Arsenic (As) - Dis	µg/L	0.11	0.19	0.12
	mg/L	0.000106	0.000185	0.000122
Arsenic (As) - Tot	µg/L	0.16	0.28	0.12
	mg/L	0.000157	0.000285	0.000121
Barium (Ba) - Dis	µg/L	25.50	15.10	17.20
	mg/L	0.0255	0.0151	0.0172
Barium (Ba) - Tot	µg/L	27.40	22.70	18.50
	mg/L	0.0274	0.0227	0.0185
Benzene	mg/L	<0.00050	<0.00050	<0.00050
Beryllium (Be) - Dis	µg/L	<0.20	<0.20	<0.20
	mg/L	<0.00020	<0.00020	<0.00020
Beryllium (Be) - Tot	µg/L	<0.20	<0.20	<0.20
	mg/L	<0.00020	<0.00020	<0.00020
Boron (B) - Dis	µg/L	18.10	24.60	20.20
	mg/L	0.0181	0.0246	0.0202
Boron (B) - Tot	µg/L	18.00	23.00	21.00
	mg/L	0.018	0.023	0.021
Cadmium (Cd) - Dis	µg/L	0.06	0.06	0.04
	mg/L	0.0000576	0.0000598	0.0000408
Cadmium (Cd) - Tot	µg/L	0.06	0.07	0.04
	mg/L	0.0000612	0.0000744	0.0000421
Calcium (Ca) - Dis	µg/L	30700.00	16600.00	18400.00
	mg/L	30.7	16.6	18.4
Carbon, Organic Total	mg/L	3.50	8.88	5.76
Cesium (Cs) - Dis	µg/L	0.02	0.02	0.02
	mg/L	0.000017	0.000015	0.000019
Cesium (Cs) - Tot	µg/L	0.04	0.17	0.02
	mg/L	0.000042	0.000173	0.000023
Chloride	mg/L	7.87	2.08	2.76
Chromium (Cr) - Dis	µg/L	0.16	0.53	0.23
	mg/L	0.00016	0.00053	0.00023
Chromium (Cr) - Tot	µg/L	1.02	2.84	0.46
	mg/L	0.00102	0.00284	0.00046
Cobalt (Co) - Dis	µg/L	4.26	5.60	1.99
	mg/L	0.00426	0.00560	0.00199
Cobalt (Co) - Tot	µg/L	4.82	7.08	2.40
	mg/L	0.00482	0.00708	0.00240
Conductivity [Field]	µS/cm	353	182.6	229
Conductivity [Lab]	µS/cm	359	186	226
Copper (Cu) - Dis	µg/L	6.31	13.50	6.35
	mg/L	0.00631	0.0135	0.00635
Copper (Cu) - Tot	µg/L	10.40	20.10	9.71
	mg/L	0.0104	0.0201	0.00971
Ethylbenzene	mg/L	<0.00050	<0.00050	<0.00050
F1 (C6-C10)	mg/L	<0.10	<0.10	
F1-BTEX	mg/L	<0.10	<0.10	
F2 (C10-C16)	mg/L	I (<0.30)	I (<0.30)	I (<0.30)
Fluoride (F)	mg/L	0.150	0.145	0.154
Fluoride (F) [Rolling 4	mg/L	0.10675	0.1055	0.128
Hardness	mg/L	147	74.4	92.2
Iron (Fe) - Dis	µg/L	16.00	80.00	52.00
	mg/L	0.016	0.080	0.052

Sample Point : SNP 02-05

		7-Jul-20	15-Jul-20	16-Aug-20
		14:03	15:15	13:00
Iron (Fe) - Tot	µg/L	312.00	1090.00	165.00
	mg/L	0.312	1.09	0.165
Lead (Pb) - Dis	µg/L	0.06	0.05	<0.05
	mg/L	0.000061	0.000051	<0.000050
Lead (Pb) - Tot	µg/L	0.20	0.44	0.07
	mg/L	0.000200	0.000437	0.000068
Lithium (Li) - Dis	µg/L	0.0029	0.0052	0.0025
	mg/L	0.0026	0.0026	0.0020
Magnesium (Mg) - Dis	µg/L	17000.00	8010.00	11200.00
	mg/L	17.0	8.01	11.2
Magnesium (Mg) - Tot	µg/L	19100.00	8920.00	11300.00
	mg/L	19.1	8.92	11.3
Manganese (Mn) - Dis	µg/L	25.90	35.60	24.40
Manganese (Mn) - Tot	µg/L	30.20	50.60	27.00
Mercury (Hg) - Dis	µg/L	<0.01	<0.01	<0.01
Molybdenum (Mo) - Dis	µg/L	1.90	3.37	2.72
	mg/L	0.00190	0.00337	0.00272
Molybdenum (Mo) - Tot	µg/L	2.01	3.60	2.87
	mg/L	0.00201	0.00360	0.00287
Nickel (Ni) - Dis	µg/L	18.30	14.90	12.60
	mg/L	0.0183	0.0149	0.0126
Nickel (Ni) - Tot	µg/L	23.50	19.70	14.10
	mg/L	0.0235	0.0197	0.0141
Nitrate-N	mg/L	I (1.15)	I (0.817)	I (0.396)
Nitrate-N [Rolling 4 Avg]	mg/L	1.15	0.817	0.396
Nitrite-N	mg/L	I (0.0036)	I (0.0014)	I (0.0013)
Nitrite-N [Rolling 4 Avg]	mg/L	0.0036	0.0014	0.0013
Orthophosphate (PO4-P)	mg/L	I (<0.0010)	I (0.0025)	I (<0.0010)
pH [Field]		7.04	6.99	6.67
pH [Lab]		7.26	6.93	7.31
Phosphorus, Dissolved	mg/L	<0.30	<0.30	<0.30
Phosphorus, Total	mg/L	0.0036	0.0244	0.0074
Phosphorus, Total	mg/L	0.158825	0.164025	0.016775
Phosphorus, Total	mg/L	<0.020	0.0078	0.0039
Potassium	mg/L	4.88	3.62	4.31
Potassium (K) - Dis	µg/L	4640.00	3330.00	4120.00
	mg/L	4.64	3.33	4.12
Rubidium (Rb) - Dis	µg/L	5.86	4.14	5.44
	mg/L	0.00586	0.00414	0.00544
Rubidium (Rb) - Tot	µg/L	6.46	6.35	6.14
	mg/L	0.00646	0.00635	0.00614
Selenium (Se) - Dis	µg/L	0.15	0.11	0.14
	mg/L	0.00015	0.00011	0.00014
Selenium (Se) - Tot	µg/L	0.17	0.13	0.13
	mg/L	0.00017	0.00013	0.00013
Sodium (Na) -Dis	µg/L	5370.00	3240.00	4350.00
	mg/L	5.37	3.24	4.35
Sodium (Na) -Tot	µg/L	5210.00	3350.00	4470.00
	mg/L	5.21	3.35	4.47
Strontium (Sr) - Dis	µg/L	106.00	66.60	83.40
	mg/L	0.106	0.0666	0.0834
Strontium (Sr) - Tot	µg/L	118.00	71.90	84.40
	mg/L	0.118	0.0719	0.0844
Sulphate	mg/L	127	61.0	73.8
TEH (C10-C30)	mg/L			<0.25
Thallium (Tl) - Dis	µg/L	<0.05	<0.05	<0.05
	mg/L	<0.000050	<0.000050	<0.000050
Thallium (Tl) - Tot	µg/L	<0.05	<0.05	<0.05
	mg/L	<0.000050	<0.000050	<0.000050
Titanium (Ti) - Dis	µg/L	<1.00	1.50	<1.00
	mg/L	<0.0010	0.0015	<0.0010
Titanium (Ti) - Tot	µg/L	12.00	52.00	<10.00
	mg/L	0.012	0.052	<0.010
Toluene	mg/L	<0.00045	<0.00045	<0.00045

Sample Point : SNP 02-05

		7-Jul-20	15-Jul-20	16-Aug-20
		14:03	15:15	13:00
Total Dissolved Solids -	mg/L	l (271)	140	169
Total Kjeldahl Nitrogen	mg/L	0.308	0.384	0.257
Total Suspended Solids	mg/L	l (3.6)	8.5	1.2
Total Suspended Solids	mg/L	2.45	4.9	4.85
Turbidity [Lab]	NTU	l (5.08)	l (19.0)	l (1.84)
Uranium (U) - Dis	µg/L	0.08	0.26	0.11
	mg/L	0.000082	0.000255	0.000111
Uranium (U) - Tot	µg/L	0.13	0.36	0.13
	mg/L	0.000130	0.000364	0.000131
Vanadium (V) - Dis	µg/L	<1.00	<1.00	<1.00
	mg/L	<0.0010	<0.0010	<0.0010
Vanadium (V) - Tot	µg/L	<1.00	2.40	<1.00
	mg/L	<0.0010	0.0024	<0.0010
Water Temperature	°C	9.1	9.4	11.9
Xylene	mg/L	<0.00075	<0.00075	<0.00075
Zinc (Zn) - Dis	µg/L	12.70	14.80	9.10
	mg/L	0.0127	0.0148	0.0091
Zinc (Zn) - Tot	µg/L	16.40	19.80	8.20
	mg/L	0.0164	0.0198	0.0082

Sample Point : SNP 02-06

Parameters	Units	7-Jul-20	15-Jul-20	16-Aug-20
		14:24	13:35	14:18
Alkalinity -Tot (CaCO3)	mg/L	38.9	29.8	43.3
Alkalinity, Hydroxide	mg/L	<1.0	<1.0	<1.0
Aluminum (Al) - Dis	µg/L	17.70	12.60	87.00
	mg/L	0.0177	0.0126	0.0870
Aluminum (Al) - Tot	µg/L	1880.00	2390.00	1140.00
	mg/L	1.88	2.39	1.14
Ammonia-N	mg/L	0.0063	0.0075	0.0083
Ammonia-N [Rolling 4	mg/L	0.01105	0.01135	0.00755
Antimony (Sb) - Dis	µg/L	0.35	0.28	0.33
	mg/L	0.00035	0.00028	0.00033
Antimony (Sb) - Tot	µg/L	0.37	0.31	0.32
	mg/L	0.00037	0.00031	0.00032
Arsenic (As) - Dis	µg/L	0.25	0.39	0.17
	mg/L	0.000249	0.000394	0.000171
Arsenic (As) - Tot	µg/L	0.40	0.70	0.29
	mg/L	0.000401	0.000698	0.000292
Barium (Ba) - Dis	µg/L	11.30	6.59	11.70
	mg/L	0.0113	0.00659	0.0117
Barium (Ba) - Tot	µg/L	27.40	29.80	22.80
	mg/L	0.0274	0.0298	0.0228
Benzene	mg/L	<0.00050	<0.00050	<0.00050
Beryllium (Be) - Dis	µg/L	<0.20	<0.20	<0.20
	mg/L	<0.00020	<0.00020	<0.00020
Beryllium (Be) - Tot	µg/L	<0.20	<0.20	<0.20
	mg/L	<0.00020	<0.00020	<0.00020
Boron (B) - Dis	µg/L	56.80	34.90	63.80
	mg/L	0.0568	0.0349	0.0638
Boron (B) - Tot	µg/L	57.00	34.00	61.00
	mg/L	0.057	0.034	0.061
Cadmium (Cd) - Dis	µg/L	<0.01	<0.02	<0.01
	mg/L	<0.0000050	<0.000020	<0.000010
Cadmium (Cd) - Tot	µg/L	0.01	<0.02	<0.01
	mg/L	0.0000095	<0.000015	<0.000010
Calcium (Ca) - Dis	µg/L	33600.00	17600.00	33100.00
	mg/L	33.6	17.6	33.1
Carbon, Organic Total	mg/L	2.24	3.28	2.40
Cesium (Cs) - Dis	µg/L	<0.01	<0.01	0.01
	mg/L	<0.000010	<0.000010	0.000014
Cesium (Cs) - Tot	µg/L	0.23	0.28	0.12
	mg/L	0.000229	0.000275	0.000119
Chloride	mg/L	0.97	0.72	1.17
Chromium (Cr) - Dis	µg/L	0.16	0.17	0.71
	mg/L	0.00016	0.00017	0.00071
Chromium (Cr) - Tot	µg/L	8.24	10.20	5.15
	mg/L	0.00824	0.0102	0.00515
Cobalt (Co) - Dis	µg/L	<0.10	0.11	0.13
	mg/L	<0.00010	0.00011	0.00013
Cobalt (Co) - Tot	µg/L	2.70	2.99	1.48
	mg/L	0.00270	0.00299	0.00148
Conductivity [Field]	µS/cm	231	142.3	232
Conductivity [Lab]	µS/cm	230	143	227
Copper (Cu) - Dis	µg/L	1.79	1.98	1.05
	mg/L	0.00179	0.00198	0.00105
Copper (Cu) - Tot	µg/L	4.09	5.04	2.56
	mg/L	0.00409	0.00504	0.00256
Ethylbenzene	mg/L	<0.00050	<0.00050	<0.00050
F1 (C6-C10)	mg/L	<0.10	<0.10	
F1-BTEX	mg/L	<0.10	<0.10	
F2 (C10-C16)	mg/L	I (<0.30)	I (<0.30)	I (<0.30)
Fluoride (F)	mg/L	0.291	0.286	0.291
Fluoride (F) [Rolling 4	mg/L	0.11125	0.11	0.23025
Hardness	mg/L	94.7	56.4	95.1
Iron (Fe) - Dis	µg/L	<10.00	<10.00	93.00
	mg/L	<0.010	<0.010	0.093

Sample Point : SNP 02-06

		7-Jul-20	15-Jul-20	16-Aug-20
		14:24	13:35	14:18
Iron (Fe) - Tot	µg/L	2760.00	3150.00	1550.00
	mg/L	2.76	3.15	1.55
Lead (Pb) - Dis	µg/L	<0.05	<0.05	<0.05
	mg/L	<0.000050	<0.000050	<0.000050
Lead (Pb) - Tot	µg/L	1.23	1.30	0.56
	mg/L	0.00123	0.00130	0.000565
Lithium (Li) - Dis	µg/L	0.0114	0.0095	0.0119
	mg/L	0.0073	0.0024	0.0081
Magnesium (Mg) - Dis	µg/L	2600.00	3040.00	3040.00
	mg/L	2.60	3.04	3.04
Magnesium (Mg) - Tot	µg/L	6100.00	7300.00	4610.00
	mg/L	6.10	7.30	4.61
Manganese (Mn) - Dis	µg/L	1.56	2.81	2.18
Manganese (Mn) - Tot	µg/L	47.00	50.90	24.40
Mercury (Hg) - Dis	µg/L	<0.01	<0.01	<0.01
Molybdenum (Mo) - Dis	µg/L	5.20	13.80	5.59
	mg/L	0.00520	0.0138	0.00559
Molybdenum (Mo) - Tot	µg/L	4.64	14.10	5.81
	mg/L	0.00464	0.0141	0.00581
Nickel (Ni) - Dis	µg/L	1.29	2.04	2.47
	mg/L	0.00129	0.00204	0.00247
Nickel (Ni) - Tot	µg/L	28.70	32.90	17.20
	mg/L	0.0287	0.0329	0.0172
Nitrate-N	mg/L	I (0.345)	I (2.19)	I (0.0142)
Nitrate-N [Rolling 4 Avg]	mg/L	0.345	2.19	0.0142
Nitrite-N	mg/L	I (0.0038)	I (0.0074)	I (<0.0010)
Nitrite-N [Rolling 4 Avg]	mg/L	0.0038	0.0074	0.001
Orthophosphate (PO4-P)	mg/L	I (<0.0010)	I (0.0022)	I (0.0013)
pH [Field]		7.38	7.39	7.54
pH [Lab]		7.66	7.64	8.06
Phosphorus, Dissolved	mg/L	<0.30	<0.30	<0.30
Phosphorus, Total	mg/L	0.0362	0.0366	0.0210
Phosphorus, Total	mg/L	0.017225	0.017325	0.02595
Phosphorus, Total	mg/L	<0.020	0.0030	0.0032
Potassium	mg/L	6.48	3.87	6.00
Potassium (K) - Dis	µg/L	6090.00	3220.00	5700.00
	mg/L	6.09	3.22	5.70
Rubidium (Rb) - Dis	µg/L	3.79	3.17	4.54
	mg/L	0.00379	0.00317	0.00454
Rubidium (Rb) - Tot	µg/L	7.85	7.59	6.60
	mg/L	0.00785	0.00759	0.00660
Selenium (Se) - Dis	µg/L	<0.10	<0.10	<0.10
	mg/L	<0.00010	<0.00010	<0.00010
Selenium (Se) - Tot	µg/L	<0.10	<0.10	<0.10
	mg/L	<0.00010	<0.00010	<0.00010
Sodium (Na) -Dis	µg/L	2860.00	2340.00	3230.00
	mg/L	2.86	2.34	3.23
Sodium (Na) -Tot	µg/L	3160.00	2680.00	3400.00
	mg/L	3.16	2.68	3.40
Strontium (Sr) - Dis	µg/L	143.00	59.50	146.00
	mg/L	0.143	0.0595	0.146
Strontium (Sr) - Tot	µg/L	166.00	67.00	154.00
	mg/L	0.166	0.0670	0.154
Sulphate	mg/L	64.8	25.6	63.0
TEH (C10-C30)	mg/L			<0.25
Thallium (Tl) - Dis	µg/L	<0.05	<0.05	<0.05
	mg/L	<0.000050	<0.000050	<0.000050
Thallium (Tl) - Tot	µg/L	<0.05	<0.05	<0.05
	mg/L	<0.000050	<0.000050	<0.000050
Titanium (Ti) - Dis	µg/L	<1.00	<1.00	4.20
	mg/L	<0.0010	<0.0010	0.0042
Titanium (Ti) - Tot	µg/L	112.00	138.00	64.00
	mg/L	0.112	0.138	0.064
Toluene	mg/L	<0.00045	<0.00045	<0.00045

Sample Point : SNP 02-06

		7-Jul-20	15-Jul-20	16-Aug-20
		14:24	13:35	14:18
Total Dissolved Solids -	mg/L	l (181)	126	165
Total Kjeldahl Nitrogen	mg/L	0.164	0.354	0.112
Total Suspended Solids	mg/L	l (16.1)	12.1	4.3
Total Suspended Solids	mg/L	16.6	14.6	8.2
Turbidity [Lab]	NTU	l (58.9)	l (63.6)	l (36.5)
Uranium (U) - Dis	µg/L	4.70	2.21	3.62
	mg/L	0.00470	0.00221	0.00362
Uranium (U) - Tot	µg/L	5.46	2.56	3.83
	mg/L	0.00546	0.00256	0.00383
Vanadium (V) - Dis	µg/L	<1.00	<1.00	<1.00
	mg/L	<0.0010	<0.0010	<0.0010
Vanadium (V) - Tot	µg/L	4.30	5.00	2.70
	mg/L	0.0043	0.0050	0.0027
Water Temperature	°C	12.3	11.6	16.0
Xylene	mg/L	<0.00075	<0.00075	<0.00075
Zinc (Zn) - Dis	µg/L	<3.00	<3.00	<3.00
	mg/L	<0.0030	<0.0030	<0.0030
Zinc (Zn) - Tot	µg/L	14.30	15.30	6.90
	mg/L	0.0143	0.0153	0.0069

Sample Point : SNP 02-14

Parameters	Units	19-Jun-20	29-Jun-20		13-Jul-20	27-Jul-20	10-Aug-20	17-Aug-20
		10:50	16:00		07:54	10:00	13:30	11:45
				Travel Blank				
Alkalinity -Tot (CaCO3)	mg/L	60.0	55.1	<1.0	56.1	54.6	60.9	75.5
Alkalinity, Hydroxide	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Aluminum (Al) - Dis	µg/L	16.60			17.80	24.20	31.70	9.40
Aluminum (Al) - Tot	mg/L	0.0166	0.0178	<0.0030	0.0178	0.0242	0.0317	0.0094
	µg/L	507.00			51.50	190.00	76.90	142.00
Ammonia-N	mg/L	0.507	0.117	<0.0030	0.0515	0.190	0.0769	0.142
	mg/L	0.0098	0.0129	0.0059	0.0252	0.0381	0.0378	0.114
Ammonia-N [Rolling 4	mg/L	0.0501	0.0362	0.0059	0.026375	0.0215	0.0285	0.053775
Antimony (Sb) - Dis	µg/L	0.15			0.13	0.16	0.14	0.16
Antimony (Sb) - Tot	mg/L	0.00015	0.00016	<0.00010	0.00013	0.00016	0.00014	0.00016
	µg/L	0.16			0.17	0.17	0.16	0.16
Arsenic (As) - Dis	mg/L	0.00016	0.00015	<0.00010	0.00017	0.00017	0.00016	0.00016
	µg/L	0.17			0.14	0.21	0.20	0.22
Arsenic (As) - Tot	mg/L	0.000172	0.000221	<0.000030	0.000143	0.000212	0.000195	0.000219
	µg/L	0.33			0.17	0.26	0.28	0.21
Barium (Ba) - Dis	mg/L	0.000334	0.000188	<0.000030	0.000174	0.000257	0.000282	0.000208
	µg/L	19.70			23.20	24.10	26.40	25.70
Barium (Ba) - Tot	mg/L	0.0197	0.0196	<0.00010	0.0232	0.0241	0.0264	0.0257
	µg/L	26.60			24.50	31.40	25.90	27.70
Benzene	mg/L	0.0266	0.0212	<0.00010	0.0245	0.0314	0.0259	0.0277
	µg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Beryllium (Be) - Dis	µg/L	<0.20			<0.20	<0.20	<0.20	<0.20
	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Beryllium (Be) - Tot	µg/L	<0.20			<0.20	<0.20	<0.20	<0.20
	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron (B) - Dis	µg/L	169.00			228.00	270.00	319.00	325.00
	mg/L	0.169	0.209	<0.0050	0.228	0.270	0.319	0.325
Boron (B) - Tot	µg/L	202.00			280.00	273.00	335.00	294.00
	mg/L	0.202	0.231	<0.010	0.280	0.273	0.335	0.294
Cadmium (Cd) - Dis	µg/L	<0.01			<0.02	<0.02	<0.03	<0.02
	mg/L	<0.000010	<0.000020	<0.0000050	<0.000020	<0.000015	<0.000030	<0.000020
Cadmium (Cd) - Tot	µg/L	0.01			0.01	<0.02	<0.02	<0.01
	mg/L	0.0000095	0.0000113	<0.0000050	0.0000122	<0.000015	<0.000015	<0.0000050
Calcium (Ca) - Dis	µg/L	39600.00			62100.00	49400.00	57100.00	62700.00
	mg/L	39.6	49.7	<0.050	62.1	49.4	57.1	62.7
Carbon, Organic Total	mg/L	5.55	5.95	<0.50	5.70	5.98	6.82	6.44
Cesium (Cs) - Dis	µg/L	0.03			0.03	0.04	0.04	0.04
	mg/L	0.000033	0.000024	<0.000010	0.000035	0.000042	0.000043	0.000041
Cesium (Cs) - Tot	µg/L	0.06			0.04	0.05	0.05	0.05
	mg/L	0.000055	0.000038	<0.000010	0.000036	0.000049	0.000048	0.000053
Chloride	mg/L	35.2	42.6	<0.50	49.4	42.9	39.8	44.6
Chromium (Cr) - Dis	µg/L	0.16			<0.10	0.22	0.34	0.16
	mg/L	0.00016	0.00011	<0.00010	<0.00010	0.00022	0.00034	0.00016
Chromium (Cr) - Tot	µg/L	6.95			0.66	3.93	0.92	2.11
	mg/L	0.00695	0.00083	<0.00010	0.00066	0.00393	0.00092	0.00211
Cobalt (Co) - Dis	µg/L	0.22			0.33	0.33	0.29	0.49
	mg/L	0.00022	0.00029	<0.00010	0.00033	0.00033	0.00029	0.00049
Cobalt (Co) - Tot	µg/L	1.67			0.47	1.01	0.43	0.78
	mg/L	0.00167	0.00054	<0.00010	0.00047	0.00101	0.00043	0.00078
Conductivity [Field]	µS/cm	483		605	734	629	729	771
Conductivity [Lab]	µS/cm	493	643	<2.0	679	641	660	728
Copper (Cu) - Dis	µg/L	2.48			1.76	2.05	2.32	2.30
	mg/L	0.00248	0.00192	<0.00050	0.00176	0.00205	0.00232	0.00230
Copper (Cu) - Tot	µg/L	2.98			1.86	2.40	2.27	2.27
	mg/L	0.00298	0.00217	<0.00050	0.00186	0.00240	0.00227	0.00227
Ethylbenzene	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
F1 (C6-C10)	mg/L	I (<0.10)	I (<0.10)	I (<0.10)				
F1-BTEX	mg/L	I (<0.10)	I (<0.10)	I (<0.10)				
F2 (C10-C16)	mg/L	I (<0.30)	<0.30	<0.30	I (<0.30)	<0.30	I (<0.30)	I (<0.30)
Fluoride (F)	mg/L	0.302	0.314	<0.020	0.35	0.398	0.415	0.44
Fluoride (F) [Rolling 4	mg/L	0.3595	0.2805	0.02	0.3105	0.341	0.36925	0.40075
Hardness	mg/L	182	234	<0.50	281	233	271	288
Iron (Fe) - Dis	µg/L	11.00			<10.00	24.00	47.00	23.00
	mg/L	0.011	<0.010	<0.010	<0.010	0.024	0.047	0.023

Sample Point : SNP 02-15

Parameters	Units	16-Jun-20	28-Jun-20	6-Jul-20	7-Jul-20		14-Aug-20	
		08:12	14:41	15:05	07:30		11:11	08:10
						Lab Split Sample		Duplicate
Alkalinity -Tot (CaCO3)	mg/L	40.7			29.9		28.9	29.2
Alkalinity, Hydroxide	mg/L	<1.0			<1.0		<1.0	<1.0
Arsenic (As) - Dis	µg/L						0.08	
	mg/L						0.000081	
Arsenic (As) - Tot	µg/L						0.10	
	mg/L						0.000101	
Boron (B) - Dis	µg/L						36.10	
	mg/L						0.0361	
Calcium (Ca) - Dis	µg/L	53300.00			40500.00		42300.00	42500.00
	mg/L	53.3			40.5		42.3	42.5
Chloride	mg/L	124			87.1		87.6	87.6
Cobalt (Co) - Dis	µg/L						<0.05	
	mg/L						<0.000050	
Cobalt (Co) - Tot	µg/L						<0.05	
	mg/L						<0.000050	
Conductivity [Field]	µS/cm	512	424				357	
Copper (Cu) - Dis	µg/L						1.63	
	mg/L						0.00163	
Copper (Cu) - Tot	µg/L						1.42	
	mg/L						0.00142	
Cryptosporidium	oocyst/100m		<0.1				<0.1	
E.Coli	MPN/100mL		<1.0			<1.0		<1.0
Fecal Coliform	CFU/100mL	<1						
Fecal Colifrom [Rolling 4	CFU/100mL	1						
Fluoride (F)	mg/L	0.164			0.143		0.149	0.149
Fluoride (F) [Rolling 4	mg/L	0.15075			0.151		0.15325	0.13875
Giardia	cysts/10L		<0.1				<0.1	
Hardness	mg/L	165			125		116	
Heterotrophic Bacteria	MPN/100mL						>200	
Iron (Fe) - Dis	µg/L						10.70	
	mg/L						0.0107	
Iron (Fe) - Tot	µg/L			1.44			24.20	
	mg/L			2.10			0.0242	
Lead (Pb) - Dis	µg/L						<0.03	
	mg/L						<0.000030	
Lead (Pb) - Tot	µg/L						<0.03	
	mg/L						<0.000030	
Magnesium (Mg) - Dis	µg/L	7730.00			5890.00		5870.00	5910.00
	mg/L	7.73			5.89		5.87	5.91
Manganese (Mn) - Dis	µg/L			1.44			6.29	
Manganese (Mn) - Tot	µg/L			2.10			8.00	
Nickel (Ni) - Dis	µg/L						0.78	
	mg/L						0.00078	
Nickel (Ni) - Tot	µg/L						0.88	
	mg/L						0.00088	
Nitrate-N	mg/L	I (0.0563)			I (0.0970)		I (0.104)	I (0.105)
Nitrate-N [Rolling 4 Avg]	mg/L	0.0563			0.097		0.104	0.2162
Nitrite-N	mg/L	I (<0.0010)			I (<0.0010)		I (<0.0010)	I (<0.0010)
Nitrite-N [Rolling 4 Avg]	mg/L	0.001			0.001		0.001	0.00255
Nonviable Crypto	oocyst/100m		0				0	
Nonviable Giardia (cysts)	cysts/10L		<1				<1	
pH [Field]		6.68	6.88				6.80	
Phosphorus, Dissolved	mg/L						<0.010	
Phosphorus, Total	mg/L						<0.030	
Phosphorus, Total	mg/L						0.087925	
Potassium (K) - Dis	µg/L	2690.00			2160.00		2100.00	2100.00
	mg/L	2.69			2.16		2.1	2.1
Sodium (Na) -Dis	µg/L	28600.00			21600.00		21200.00	20500.00
	mg/L	28.6			21.6		21.2	20.5
Sodium (Na) -Tot	µg/L						18900.00	
	mg/L						18.9	
Sulphate	mg/L	20.8			17.2		15.8	15.8
Total Dissolved Solids -	mg/L	I (397)			I (330)		I (303)	I (341)
Viable Cysts	cysts		<1				<1	

Sample Point : SNP 02-15

		16-Jun-20	28-Jun-20	6-Jul-20	7-Jul-20		14-Aug-20	
		08:12	14:41	15:05	07:30		11:11	08:10
						Lab Split Sample		
Viable oocysts	oocysts		0				0	
Water Temperature	°C	9.3	9				16.9	
Zinc (Zn) - Dis	µg/L							
	mg/L						XM (0.0082)	
Zinc (Zn) - Tot	µg/L						5.80	
	mg/L						0.0058	

Sample Point : SNP 02-16i

Parameters	Units	30-Jun-20	14-Jul-20	28-Jul-20	11-Aug-20	18-Aug-20
		09:18	07:42	07:12	07:35	07:25
Ammonia-N	mg/L	6.59	4.89	8.34	6.50	14.6
Ammonia-N [Rolling 4	mg/L	8.2425	4.215	5.485	6.58	8.605
Carbon, Organic Total	mg/L	22.3	20.3	17.1	15.3	20.9
Conductivity [Field]	µS/cm	1134	999	956		966
E.Coli	MPN/100mL	<1.0	<1.0	<1.0	<1.0	<1.0
Fecal Coliform	CFU/100mL	<1	<1	<1	<1	<1
Fecal Coliform [Rolling 4	CFU/100mL	8.25	1	1	1	1
Nitrate-N	mg/L	1 (2.49)	1 (2.31)	1 (2.17)	1 (1.12)	1.48
Nitrate-N [Rolling 4 Avg]	mg/L	3.97333	5.485	2.17	1.12	1.48
Nitrite-N	mg/L	1 (0.827)	1 (0.371)	1 (0.470)	1 (0.188)	0.42
Nitrite-N [Rolling 4 Avg]	mg/L	0.905667	1.0405	0.47	0.188	0.42
Orthophosphate (PO4-P)	mg/L	2.96	2.78	1 (3.74)	1 (3.29)	3.98
pH [Field]		7.39	7.28	7.32		7.02
Phosphorus, Dissolved	mg/L	2.89	2.94	4.10	3.26	3.74
Phosphorus, Total	mg/L	3.33	3.27	4.27	3.64	4.12
Phosphorus, Total	mg/L	2.545	2.8075	3.3575	3.6275	3.7475
Total Kjeldahl Nitrogen	mg/L	10.1	5.75	12.2	9.17	17.4
Total Suspended Solids	mg/L	<3	4	1 (<3)	10	1 (10)
Total Suspended Solids	mg/L	12.25	11.75	7.5	5.66667	5.66667
Water Temperature	°C	18.7	19.4	21.1		18.4

Sample Point : SNP 02-17 b

Parameters	Units	20-Jun-20	23-Jun-20	28-Jun-20	30-Jun-20	7-Jul-20		14-Jul-20	
		10:03	09:31	12:00	08:02	07:45	08:30	08:13	
Alkalinity -Tot (CaCO3)	mg/L	41.2		42.4	38.1		44.5	57.7	
Alkalinity, Hydroxide	mg/L	<1.0			<1.0		<1.0	<1.0	
Aluminum (Al) - Dis	µg/L	9.10		14.8				16.60	
	mg/L	0.0091						0.0166	
Aluminum (Al) - Tot	µg/L	63.70		35.8	35.40		41.50	26.60	
	mg/L	0.0637			0.0354		0.0415	0.0266	
Aluminum (Al) - Tot	µg/L			26.375					
Ammonia-N	mg/L	0.0094		0.0079	0.0288		0.0255	0.0279	
Ammonia-N [Rolling 4	mg/L	0.010425		0.010975	0.0162		0.01855	0.0229	
Antimony (Sb) - Dis	µg/L	0.10		0.106				0.14	
	mg/L	0.00010						0.00014	
Antimony (Sb) - Tot	µg/L	0.10		0.116	0.11		0.12	0.16	
	mg/L	0.00010			0.00011		0.00012	0.00016	
Arsenic (As) - Dis	µg/L	0.10		0.129				0.17	
	mg/L	0.000097						0.000170	
Arsenic (As) - Tot	µg/L	0.18		0.139	0.33		0.16	0.19	
	mg/L	0.000176			0.000332		0.000163	0.000191	
Arsenic (As) - Tot [Rolling	µg/L			0.094					
Barium (Ba) - Dis	µg/L	12.40		17.2				24.60	
	mg/L	0.0124						0.0246	
Barium (Ba) - Tot	µg/L	13.40		17.4	14.90		18.50	25.00	
	mg/L	0.0134			0.0149		0.0185	0.0250	
Benzene	µg/L			<0.40					
	mg/L	<0.00050			<0.00050		<0.00050	<0.00050	
Beryllium (Be) - Dis	µg/L	<0.20		<0.010				<0.20	
	mg/L	<0.00020						<0.00020	
Beryllium (Be) - Tot	µg/L	<0.20		<0.010	<0.20		<0.20	<0.20	
	mg/L	<0.00020			<0.00020		<0.00020	<0.00020	
Boron (B) - Dis	µg/L	159.00		205				232.00	
	mg/L	0.159						0.232	
Boron (B) - Tot	µg/L	170.00		222	207.00		188.00	298.00	
	mg/L	0.170			0.207		0.188	0.298	
Cadmium (Cd) - Dis	µg/L	<0.01		<0.0050				<0.02	
	mg/L	<0.0000050						<0.000020	
Cadmium (Cd) - Tot	µg/L	0.01		0.0063	<0.01		<0.01	0.01	
	mg/L	0.0000076			<0.0000050		<0.000010	0.0000083	
Calcium	mg/L			41.8					
Calcium (Ca) - Dis	µg/L	30200.00		38800.00				62100.00	
	mg/L	30.2		38.8				62.1	
Carbon, Dissolved	mg/L			3.9					
Carbon, Organic Total	mg/L	4.19		3.5	4.27		4.69	5.70	
Cesium (Cs) - Dis	µg/L	0.02						0.03	
	mg/L	0.000020						0.000035	
Cesium (Cs) - Tot	µg/L	0.02			0.03		0.03	0.04	
	mg/L	0.000023			0.000025		0.000027	0.000036	
Chloride	mg/L	24.9			29.7		35.8	48.5	
Chloride (Cl) - Dissolved	mg/L			36					
Chromium (Cr) - Dis	µg/L	0.27		<0.10				0.13	
	mg/L	0.00027						0.00013	
Chromium (Cr) - Tot	µg/L	0.85		0.42	0.24		0.65	0.30	
	mg/L	0.00085			0.00024		0.00065	0.00030	
Chromium (Cr) - Tot	µg/L			0.3675					
Cobalt (Co) - Dis	µg/L	0.16		0.154				0.24	
	mg/L	0.00016						0.00024	
Cobalt (Co) - Tot	µg/L	0.43		0.299	0.26		0.30	0.28	
	mg/L	0.00043			0.00026		0.00030	0.00028	
Conductivity [Field]	µS/cm	382		513	444				
Conductivity [Lab]	µS/cm	360		517	463		514	701	
Copper (Cu) - Dis	µg/L	1.42		1.19				1.80	
	mg/L	0.00142						0.00180	
Copper (Cu) - Tot	µg/L	1.71		1.65	1.33		1.50	1.98	
	mg/L	0.00171			0.00133		0.00150	0.00198	
Copper (Cu) - Tot [Rolling	µg/L			1.115					
E.Coli	MPN/100mL		<1.0					9.8	<1.0

		22-Jul-20	28-Jul-20	4-Aug-20	11-Aug-20	17-Aug-20
		13:15	07:26	08:00	07:50	06:20
Alkalinity -Tot (CaCO3)	mg/L	57.1	53.7			75.2
Alkalinity, Hydroxide	mg/L	<1.0	<1.0			<1.0
Aluminum (Al) - Dis	µg/L					11.50
	mg/L					0.0115
Aluminum (Al) - Tot	µg/L	54.20	29.10			94.10
	mg/L	0.0542	0.0291			0.0941
Aluminum (Al) - Tot	µg/L					
Ammonia-N	mg/L	0.0276	0.0502	0.0298	0.0636	1 (0.109)
Ammonia-N [Rolling 4	mg/L	0.02745	0.0328	0.033875	0.0428	0.06315
Antimony (Sb) - Dis	µg/L					0.17
	mg/L					0.00017
Antimony (Sb) - Tot	µg/L	0.18	0.15			0.16
	mg/L	0.00018	0.00015			0.00016
Arsenic (As) - Dis	µg/L					0.20
	mg/L					0.000196
Arsenic (As) - Tot	µg/L	0.23	0.18			0.18
	mg/L	0.000226	0.000177			0.000180
Arsenic (As) - Tot [Rolling	µg/L					
Barium (Ba) - Dis	µg/L					28.70
	mg/L					0.0287
Barium (Ba) - Tot	µg/L	23.80	22.60			30.50
	mg/L	0.0238	0.0226			0.0305
Benzene	µg/L					
	mg/L	<0.00050	<0.00050			<0.00050
Beryllium (Be) - Dis	µg/L					<0.20
	mg/L					<0.00020
Beryllium (Be) - Tot	µg/L	<0.20	<0.20			<0.20
	mg/L	<0.00020	<0.00020			<0.00020
Boron (B) - Dis	µg/L					302.00
	mg/L					0.302
Boron (B) - Tot	µg/L	229.00	249.00			332.00
	mg/L	0.229	0.249			0.332
Cadmium (Cd) - Dis	µg/L					<0.01
	mg/L					<0.000010
Cadmium (Cd) - Tot	µg/L	<0.02	<0.02			0.02
	mg/L	<0.000015	<0.000015			0.0000150
Calcium	mg/L					
Calcium (Ca) - Dis	µg/L					64300.00
	mg/L					64.3
Carbon, Dissolved	mg/L					6.79
Carbon, Organic Total	mg/L	6.03	5.96	6.33	6.26	
Cesium (Cs) - Dis	µg/L					0.05
	mg/L					0.000047
Cesium (Cs) - Tot	µg/L	0.03	0.04			0.05
	mg/L	0.000034	0.000037			0.000046
Chloride	mg/L	38.2	42.4			47.2
Chloride (Cl) - Dissolved	mg/L					
Chromium (Cr) - Dis	µg/L					0.20
	mg/L					0.00020
Chromium (Cr) - Tot	µg/L	0.77	0.26			1.19
	mg/L	0.00077	0.00026			0.00119
Chromium (Cr) - Tot	µg/L					
Cobalt (Co) - Dis	µg/L					0.28
	mg/L					0.00028
Cobalt (Co) - Tot	µg/L	0.36	0.22			0.50
	mg/L	0.00036	0.00022			0.00050
Conductivity [Field]	µS/cm			639	682	762
Conductivity [Lab]	µS/cm	577	626	626	716	767
Copper (Cu) - Dis	µg/L					1.97
	mg/L					0.00197
Copper (Cu) - Tot	µg/L	2.22	2.64			2.36
	mg/L	0.00222	0.00264			0.00236
Copper (Cu) - Tot [Rolling	µg/L					
E.Coli	MPN/100mL					5.2

Sample Point : SNP 02-17 b

		20-Jun-20	23-Jun-20	28-Jun-20	30-Jun-20	7-Jul-20		14-Jul-20	
		10:03	09:31	12:00	08:02	07:45	08:30	08:13	
Ethylbenzene	mg/L	<0.00050			<0.00050		<0.00050	<0.00050	
F1 (C6-C10)	mg/L				<0.10		<0.10	<0.10	
F1 (C6-C10) - BTEX	µg/L			<100					
F1-BTEX	mg/L				I (<0.10)		<0.10	<0.10	
F2 (C10-C16)	mg/L	I (<0.30)		<0.10	<0.30		<0.30	<0.30	
Fecal Coliform	CFU/100mL				<1	4		8	<1
Fecal Coliform [Rolling 4	CFU/100mL				1	4		4.33333	1
Fluoride (F)	mg/L	0.209		0.265	0.218		0.244	0.350	
Fluoride (F) [Rolling 4	mg/L	0.0695		0.13075	0.119		0.17275	0.25525	
Hardness	mg/L	135		180			189	289	
Hardness, Dissolved	mg/L			178					
Iron (Fe) - Dis	µg/L	239.00		8.5				23.00	
	mg/L	0.239						0.023	
Iron (Fe) - Tot	µg/L	670.00		89.8	325.00		147.00	50.00	
	mg/L	0.670			0.325		0.147	0.050	
Lead (Pb) - Dis	µg/L	<0.05		0.0255				<0.05	
	mg/L	<0.000050						<0.000050	
Lead (Pb) - Tot	µg/L	0.13		0.0722	0.05		0.07	<0.05	
	mg/L	0.000125			0.000054		0.000067	<0.000050	
Lead (Pb) - Tot [Rolling 4	µg/L			0.07455					
Lithium (Li) - Dis	µg/L	0.0034		3.64	0.0035		0.0042	0.0059	
	mg/L	0.0033						0.0053	
Lithium (Li) - Tot	µg/L			4.13					
Magnesium	mg/L			21.4					
Magnesium (Mg) - Dis	µg/L	14600.00		19700.00				32600.00	
	mg/L	14.6		19.7				32.6	
Magnesium (Mg) - Tot	µg/L	16300.00			18800.00		21700.00	33400.00	
	mg/L	16.3			18.8		21.7	33.4	
Manganese (Mn) - Dis	µg/L	4.35		1.6				5.18	
Manganese (Mn) - Tot	µg/L	19.20		13	10.80		7.49	6.44	
Mercury (Hg) - Dis	µg/L	<0.01		<0.0019				<0.01	
Mercury (Hg) - Tot	µg/L			<0.0019					
Molybdenum (Mo) - Dis	µg/L	8.63		11.4				17.50	
	mg/L	0.00863						0.0175	
Molybdenum (Mo) - Tot	µg/L	9.39		11.9	10.40		11.60	18.90	
	mg/L	0.00939			0.0104		0.0116	0.0189	
Nickel (Ni) - Dis	µg/L	10.50		10.2				13.10	
	mg/L	0.0105						0.0131	
Nickel (Ni) - Tot	µg/L	14.30		12.8	10.90		12.90	14.00	
	mg/L	0.0143			0.0109		0.0129	0.0140	
Nickel (Ni) - Tot [Rolling 4	µg/L			7.0475					
Nitrate-N	mg/L	I (4.73)			I (7.36)		I (8.78)	I (13.0)	
Nitrate-N [Rolling 4 Avg]	mg/L	4.73					8.78	13	
Nitrite-N	mg/L	I (0.0234)			I (0.0417)		I (0.0418)	I (0.0492)	
Nitrite-N [Rolling 4 Avg]	mg/L	0.0234					0.0418	0.0492	
Oil and Grease	mg/L	<5.0		<2.0					
Orthophosphate (PO4-P)	mg/L	I (<0.0010)		I (<0.0010)	I (<0.0010)		I (<0.0010)	I (<0.0010)	
o-Xylene	µg/L			<0.40					
pH [Field]		7.34		8.16	7.69				
pH [Lab]		7.64		7.4	7.88		7.76	7.89	
Phosphorous, Dissolved	µg/L			3.6					
Phosphorus, Dissolved	mg/L	<0.30		0.0022				<0.30	
Phosphorus, Total	mg/L	0.0165		0.008	0.0066		0.0095	0.0055	
Phosphorus, Total	mg/L	0.0051		0.006625	0.006275		0.0084	0.009525	
Phosphorus, Total	mg/L	0.0029			0.0033		0.0052	<0.020	
Potassium	mg/L	4.39			4.82		5.94	7.38	
Potassium (K) - Dis	µg/L	4300.00		5420.00				8740.00	
	mg/L	4.30		5.42				8.74	
Potassium (K) - Tot	µg/L			5800.00					
	mg/L			5.8					
Rubidium (Rb) - Dis	µg/L	5.08						9.12	
	mg/L	0.00508						0.00912	
Rubidium (Rb) - Tot	µg/L	5.05			5.98		7.04	9.36	
	mg/L	0.00505			0.00598		0.00704	0.00936	

	22-Jul-20	28-Jul-20	4-Aug-20	11-Aug-20	17-Aug-20
	13:15	07:26	08:00	07:50	06:20

Ethylbenzene	mg/L	<0.00050	<0.00050			<0.00050
F1 (C6-C10)	mg/L	<0.10	<0.10			
F1 (C6-C10) - BTEX	µg/L					
F1-BTEX	mg/L	I (<0.10)	<0.10			
F2 (C10-C16)	mg/L	I (<0.30)	<0.30			I (<0.30)
Fecal Coliform	CFU/100mL	I (<1)	21	3	1	5
Fecal Coliform [Rolling 4	CFU/100mL	3.5	8.5	4	8.33333	9.66667
Fluoride (F)	mg/L	0.389	0.391			0.42
Fluoride (F) [Rolling 4	mg/L	0.30025	0.3435			0.3875
Hardness	mg/L	221	227			298
Hardness, Dissolved	mg/L					
Iron (Fe) - Dis	µg/L					38.00
	mg/L					0.038
Iron (Fe) - Tot	µg/L	112.00	48.00			271.00
	mg/L	0.112	0.048			0.271
Lead (Pb) - Dis	µg/L					<0.05
	mg/L					<0.000050
Lead (Pb) - Tot	µg/L	0.08	0.06			0.13
	mg/L	0.000076	0.000064			0.000127
Lead (Pb) - Tot [Rolling 4	µg/L					
Lithium (Li) - Dis	µg/L	0.0054	0.0049			0.0062
	mg/L					0.0060
Lithium (Li) - Tot	µg/L					
Magnesium	mg/L					
Magnesium (Mg) - Dis	µg/L					33400.00
	mg/L					33.4
Magnesium (Mg) - Tot	µg/L	24800.00	25400.00			33300.00
	mg/L	24.8	25.4			33.3
Manganese (Mn) - Dis	µg/L					16.60
Manganese (Mn) - Tot	µg/L	4.20	5.13			24.10
Mercury (Hg) - Dis	µg/L					<0.01
Mercury (Hg) - Tot	µg/L					
Molybdenum (Mo) - Dis	µg/L					20.40
	mg/L					0.0204
Molybdenum (Mo) - Tot	µg/L	19.10	19.00			20.80
	mg/L	0.0191	0.0190			0.0208
Nickel (Ni) - Dis	µg/L					16.30
	mg/L					0.0163
Nickel (Ni) - Tot	µg/L	14.10	11.50			19.60
	mg/L	0.0141	0.0115			0.0196
Nickel (Ni) - Tot [Rolling 4	µg/L					
Nitrate-N	mg/L	I (8.81)	I (11.2)	I (11.0)	I (12.6)	13.5
Nitrate-N [Rolling 4 Avg]	mg/L	8.81	10.005	11	12.6	13.5
Nitrite-N	mg/L	I (0.0450)	I (0.0427)	I (0.0636)	I (0.0671)	0.0856
Nitrite-N [Rolling 4 Avg]	mg/L	0.045	0.04385	0.0636	0.0671	0.0856
Oil and Grease	mg/L					<1.0
Orthophosphate (PO4-P)	mg/L	I (<0.0010)	I (<0.0010)	I (<0.0010)	I (0.0024)	0.0013
o-Xylene	µg/L					
pH [Field]				7.33	7.10	7.11
pH [Lab]		8.08	7.93	7.98	7.82	8.04
Phosphorous, Dissolved	µg/L					
Phosphorus, Dissolved	mg/L					<0.30
Phosphorus, Total	mg/L	0.0125	0.0106	0.0086	0.0110	0.0161
Phosphorus, Total	mg/L	0.008525	0.009525	0.0093	0.010675	0.011575
Phosphorus, Total	mg/L	0.0035	0.0052	0.0044	0.0036	0.0037
Potassium	mg/L	7.03	6.95			9.08
Potassium (K) - Dis	µg/L					8860.00
	mg/L					8.86
Potassium (K) - Tot	µg/L					
	mg/L					
Rubidium (Rb) - Dis	µg/L					11.50
	mg/L					0.0115
Rubidium (Rb) - Tot	µg/L	8.91	8.65			11.30
	mg/L	0.00891	0.00865			0.0113

Sample Point : SNP 02-17 b

		20-Jun-20	23-Jun-20	28-Jun-20	30-Jun-20	7-Jul-20		14-Jul-20	
		10:03	09:31	12:00	08:02	07:45	08:30	08:13	
									Lab Split Sample
Selenium (Se) - Dis	µg/L	<0.10		0.078				0.16	
	mg/L	<0.00010						0.00016	
Selenium (Se) - Tot	µg/L	<0.10		0.095	<0.10		<0.10	0.12	
	mg/L	<0.00010			<0.00010		<0.00010	0.00012	
Sodium (Na) -Dis	µg/L	13500.00		17300.00				26100.00	
	mg/L	13.5		17.3				26.1	
Sodium (Na) -Tot	µg/L	13200.00		18900.00	16600.00		20200.00	27500.00	
	mg/L	13.2		18.9	16.6		20.2	27.5	
Strontium (Sr) - Dis	µg/L	257.00		345				528.00	
	mg/L	0.257						0.528	
Strontium (Sr) - Tot	µg/L	270.00		387	334.00		359.00	534.00	
	mg/L	0.270			0.334		0.359	0.534	
Sulfate (SO4) - Dis	mg/L			120					
Sulphate	mg/L	79.7			97.1		114	160	
TEH (C10-C30)	mg/L	<0.25							
Thallium (Tl) - Dis	µg/L	<0.05		0.0113				<0.05	
	mg/L	<0.000050						<0.000050	
Thallium (Tl) - Tot	µg/L	<0.05		0.011	<0.05		<0.05	<0.05	
	mg/L	<0.000050			<0.000050		<0.000050	<0.000050	
Titanium (Ti) - Dis	µg/L	2.60		<0.50				<1.00	
	mg/L	0.0026						<0.0010	
Titanium (Ti) - Tot	µg/L	<10.00		0.89	<10.00		<10.00	<10.00	
	mg/L	<0.010			<0.010		<0.010	<0.010	
Toluene	µg/L			<0.40					
	mg/L	<0.00045			<0.00045		<0.00045	<0.00045	
Total Dissolved Solids -	mg/L			88.05	76.8		150.8		
Total Dissolved Solids -	mg/L			307	262		309		
Total Dissolved Solids -	mg/L	I (237)		321	287		304	451	
Total Kjeldahl Nitrogen	mg/L	0.487		0.64	0.722		0.637	0.486	
Total Suspended Solids	mg/L	I (4.1)		I (1.4)	I (2.6)		3.0	<1.0	
Total Suspended Solids	mg/L	2.55		1.4			3	2	
Turbidity [Lab]	NTU	I (2.36)		I (0.79)	I (1.2)		I (1.27)	I (0.65)	
Uranium (U) - Dis	µg/L	1.77		2.49				2.96	
	mg/L	0.00177						0.00296	
Uranium (U) - Tot	µg/L	1.85		2.75	2.27		2.44	3.17	
	mg/L	0.00185			0.00227		0.00244	0.00317	
Vanadium (V) - Dis	µg/L	<1.00		0.23				<1.00	
	mg/L	<0.0010						<0.0010	
Vanadium (V) - Tot	µg/L	<1.00		0.24	<1.00		<1.00	<1.00	
	mg/L	<0.0010			<0.0010		<0.0010	<0.0010	
Water Temperature	°C	13.6		14.4	15.3				
Xylene	mg/L	<0.00075			<0.00075		<0.00075	<0.00075	
Zinc (Zn) - Dis	µg/L	<3.00		0.96				<3.00	
	mg/L	<0.0030						<0.0030	
Zinc (Zn) - Tot	µg/L	3.50		1.39	<3.00		<3.00	<3.00	
	mg/L	0.0035			<0.0030		<0.0030	<0.0030	
Zinc (Zn) - Tot [Rolling 4	µg/L			3.1975					

	22-Jul-20	28-Jul-20	4-Aug-20	11-Aug-20	17-Aug-20
	13:15	07:26	08:00	07:50	06:20

Selenium (Se) - Dis	µg/L				0.16
	mg/L				0.00016
Selenium (Se) - Tot	µg/L	0.15	0.15		0.27
	mg/L	0.00015	0.00015		0.00027
Sodium (Na) -Dis	µg/L				29500.00
	mg/L				29.5
Sodium (Na) -Tot	µg/L	21400.00	22900.00		28700.00
	mg/L	21.4	22.9		28.7
Strontium (Sr) - Dis	µg/L				585.00
	mg/L				0.585
Strontium (Sr) - Tot	µg/L	407.00	421.00		588.00
	mg/L	0.407	0.421		0.588
Sulfate (SO4) - Dis	mg/L				
Sulphate	mg/L	133	152		185
TEH (C10-C30)	mg/L			<0.25	<0.25
Thallium (Tl) - Dis	µg/L				<0.05
	mg/L				<0.000050
Thallium (Tl) - Tot	µg/L	<0.05	<0.05		<0.05
	mg/L	<0.000050	<0.000050		<0.000050
Titanium (Ti) - Dis	µg/L				<1.00
	mg/L				<0.0010
Titanium (Ti) - Tot	µg/L	<10.00	<10.00		<10.00
	mg/L	<0.010	<0.010		<0.010
Toluene	µg/L				
	mg/L	<0.00045	<0.00045		<0.00045
Total Dissolved Solids -	mg/L	307.75	327.75		
Total Dissolved Solids -	mg/L	353	387		
Total Dissolved Solids -	mg/L	l (402)	l (423)	407	503
Total Kjeldahl Nitrogen	mg/L	0.765	0.633	0.673	0.724
Total Suspended Solids	mg/L	l (2.8)	1.7	1.4	2.7
Total Suspended Solids	mg/L	2.26667	2.125	1.36667	1.93333
Turbidity [Lab]	NTU	l (0.30)	l (1.33)	l (0.96)	l (0.92)
Uranium (U) - Dis	µg/L				3.27
	mg/L				0.00327
Uranium (U) - Tot	µg/L	2.66	2.39		3.28
	mg/L	0.00266	0.00239		0.00328
Vanadium (V) - Dis	µg/L				<1.00
	mg/L				<0.0010
Vanadium (V) - Tot	µg/L	<1.00	<1.00		<1.00
	mg/L	<0.0010	<0.0010		<0.0010
Water Temperature	°C			20.60	17.30
Xylene	mg/L	<0.00075	<0.00075		<0.00075
Zinc (Zn) - Dis	µg/L				<3.00
	mg/L				<0.0030
Zinc (Zn) - Tot	µg/L	<3.00	<3.00		<3.00
	mg/L	<0.0030	<0.0030		<0.0030
Zinc (Zn) - Tot [Rolling 4	µg/L				

Sample Point : SNP 02-20 d

Parameters	Units	27-Jun-20			28-Jun-20			16-Jul-20	
		10:00		10:10	10:15		10:30	10:30	
			Duplicate	Duplicate		Duplicate	Duplicate		Duplicate
Alkalinity -Tot (CaCO3)	mg/L				48.7		49.4	38.2	
Alkalinity, Hydroxide	mg/L				<2.0			<2.0	
Aluminum (Al) - Dis	µg/L				2.5		2.1	5.6	
Aluminum (Al) - Tot	µg/L				1.5		1.8	5.9	
Aluminum (Al) - Tot	µg/L				2.975		3.9675	3.85	4.365
Ammonia-N	mg/L				0.0282		0.0315	0.0078	
Ammonia-N [Rolling 4	mg/L				0.026625		0.0149	0.015675	0.014925
Antimony (Sb) - Dis	µg/L				<0.020		<0.020	0.022	
Antimony (Sb) - Tot	µg/L				0.026		0.022	0.02	
Arsenic (As) - Dis	µg/L				0.13		0.12	0.105	
Arsenic (As) - Tot	µg/L				0.148		0.146	0.109	
Arsenic (As) - Tot [Rolling	µg/L				0.1185		0.113	0.118	0.1175
Barium (Ba) - Dis	µg/L				26		25.1	20.7	
Barium (Ba) - Tot	µg/L				28		27.5	21	
Benzene	mg/L				<0.00050		<0.00050	<0.00050	
Beryllium (Be) - Dis	µg/L				<0.0050		<0.0050	<0.0050	
Beryllium (Be) - Tot	µg/L				<0.0050		<0.0050	<0.0050	
Boron (B) - Dis	µg/L				64.8		61.4	54.5	
Boron (B) - Tot	µg/L				66.6		65.9	54.8	
Cadmium (Cd) - Dis	µg/L				<0.0050		<0.0050	<0.0050	
Cadmium (Cd) - Tot	µg/L				<0.0050		<0.0050	<0.0050	
Calcium (Ca) - Dis	µg/L				66000.00		63900.00	54600.00	54600.00
	mg/L				66		63.9	54.6	
Carbon, Dissolved	mg/L				3.88		3.95	3.61	
Carbon, Organic Total	mg/L				4.07		3.96	3.47	
Cesium (Cs) - Dis	µg/L				0.0374		0.0371	0.0298	
Cesium (Cs) - Tot	µg/L				0.037		0.0408	0.0334	
Chloride	mg/L				152		153	112	
Chloride (Cl) - Dissolved	mg/L								
Chromium (Cr) - Dis	µg/L				<0.10		<0.10	<0.10	
Chromium (Cr) - Tot	µg/L				<0.10		<0.10	<0.10	
Chromium (Cr) - Tot	µg/L				0.14		0.08	0.14	0.09
Cobalt (Co) - Dis	µg/L				0.0229		0.0196	0.0113	
Cobalt (Co) - Tot	µg/L				0.0317		0.0272	0.0249	
Conductivity [Field]	µS/cm	883	883	883	742	742	742	539	539
Conductivity [Lab]	µS/cm				656		673	520	
Copper (Cu) - Dis	µg/L				0.548		0.528	0.503	
Copper (Cu) - Tot	µg/L				0.568		0.566	0.457	
Copper (Cu) - Tot [Rolling	µg/L				0.524		0.51725	0.49825	0.5115
Dissolved Oxygen [Field]	mg/L	11.9	11.9	11.9	9.9	9.9	9.9	9.9	9.9
E.Coli	MPN/100mL				<1.0		<1.0	1.0	
Ethylbenzene	mg/L				<0.00050		<0.00050	<0.00050	
F1 (C6-C10)	mg/L				<0.10		<0.10	<0.10	
F1-BTEX	mg/L				<0.10		<0.10	<0.08	
F2 (C10-C16)	mg/L				<0.10		<0.14	<0.10	
Fluoride (F)	mg/L				0.208		0.203	0.169	
Fluoride (F) [Rolling 4	mg/L				0.19925		0.15075	0.18875	0.16675
Hardness	mg/L	195		196	203		196	163	
Hardness, Dissolved	mg/L								
Iron (Fe) - Dis	µg/L				12		10.9	5.3	
Iron (Fe) - Tot	µg/L				22.6		21.2	21.3	
Lead (Pb) - Dis	µg/L				<0.010		<0.010	<0.010	
Lead (Pb) - Tot	µg/L				<0.010		<0.010	<0.010	
Lead (Pb) - Tot [Rolling 4	µg/L				0.01		0.01	0.01	0.01
Lithium (Li) - Dis	µg/L				11.2		10.8	9.26	
Lithium (Li) - Tot	µg/L				11.2		11.3	9.02	
Magnesium (Mg) - Dis	µg/L				9300.00		8990.00	6430.00	6430.00
	mg/L				9.3		8.99	6.43	
Manganese (Mn) - Dis	µg/L	7.44		7.66	17.9		16.8	1.83	
Manganese (Mn) - Tot	µg/L	12.5		12.4	22.4		21.8	9.21	
Mercury (Hg) - Dis	µg/L				<0.0050		<0.0050	<0.0050	
Mercury (Hg) - Tot	µg/L							<0.00050	
Mercury (Hg) - Tot Ultra	µg/L				<0.00050		<0.00050		
Molybdenum (Mo) - Dis	µg/L				0.964		0.927	0.831	

		16-Jul-20			16-Aug-20		
		10:35		10:40		10:15	10:20
			Lab Split Sample		Duplicate		
Alkalinity -Tot (CaCO3)	mg/L		34			36.6	
Alkalinity, Hydroxide	mg/L					<2.0	
Aluminum (Al) - Dis	µg/L		4.72			5.9	
Aluminum (Al) - Tot	µg/L		5.69			7	
Aluminum (Al) - Tot	µg/L	3.7975	5.23			5.0225	
Ammonia-N	mg/L		0.0073			0.0111	
Ammonia-N [Rolling 4	mg/L	0.01555	0.075825			0.0136	
Antimony (Sb) - Dis	µg/L		0.027			0.024	
Antimony (Sb) - Tot	µg/L		<0.020			0.024	
Arsenic (As) - Dis	µg/L		0.14			0.102	
Arsenic (As) - Tot	µg/L		0.14			0.104	
Arsenic (As) - Tot [Rolling	µg/L	0.12575	0.096			0.12525	
Barium (Ba) - Dis	µg/L		20.6			18.6	
Barium (Ba) - Tot	µg/L		20.7			18.7	
Benzene	mg/L		<0.00040			<0.00050	
Beryllium (Be) - Dis	µg/L		<0.010			<0.0050	
Beryllium (Be) - Tot	µg/L		<0.010			<0.0050	
Boron (B) - Dis	µg/L		53			49	
Boron (B) - Tot	µg/L		50			51.8	
Cadmium (Cd) - Dis	µg/L		<0.0050			<0.0050	
Cadmium (Cd) - Tot	µg/L		<0.0050			<0.0050	
Calcium (Ca) - Dis	µg/L	51300.00	51300.00			52600.00	
	mg/L		51.3			52.6	
Carbon, Dissolved	mg/L		3			3.94	
Carbon, Organic Total	mg/L		3.3			3.19	
Cesium (Cs) - Dis	µg/L		<0.050			0.037	
Cesium (Cs) - Tot	µg/L		<0.050			0.0321	
Chloride	mg/L					113	
Chloride (Cl) - Dissolved	mg/L		130				
Chromium (Cr) - Dis	µg/L		<0.10			<0.10	
Chromium (Cr) - Tot	µg/L		0.12			<0.10	
Chromium (Cr) - Tot	µg/L	0.145	0.105			0.105	
Cobalt (Co) - Dis	µg/L		0.014			0.0074	
Cobalt (Co) - Tot	µg/L		0.0271			0.0252	
Conductivity [Field]	µS/cm		539	539	539	497	496
Conductivity [Lab]	µS/cm		518			502	
Copper (Cu) - Dis	µg/L		0.438			XM (0.749)	
Copper (Cu) - Tot	µg/L		0.455			0.555	
Copper (Cu) - Tot [Rolling	µg/L	0.49775	0.84775			0.50875	
Dissolved Oxygen [Field]	mg/L		9.9	9.8	9.8	9.1	9.2
E.Coli	MPN/100mL		1 (1)			<1.0	
Ethylbenzene	mg/L		<0.00040			<0.00050	
F1 (C6-C10)	mg/L		<0.10			<0.10	
F1-BTEX	mg/L					<0.08	
F2 (C10-C16)	mg/L		<0.10			<0.10	
Fluoride (F)	mg/L		0.152			0.179	
Fluoride (F) [Rolling 4	mg/L	0.1845	0.1205			0.177	
Hardness	mg/L		159			160	
Hardness, Dissolved	mg/L		155				
Iron (Fe) - Dis	µg/L		5.5			4.9	
Iron (Fe) - Tot	µg/L		20.6			18.8	
Lead (Pb) - Dis	µg/L		<0.0050			<0.010	
Lead (Pb) - Tot	µg/L		<0.0050			<0.010	
Lead (Pb) - Tot [Rolling 4	µg/L	0.00875	0.29675			0.00875	
Lithium (Li) - Dis	µg/L		7.84			8.34	
Lithium (Li) - Tot	µg/L		8.07			8.35	
Magnesium (Mg) - Dis	µg/L	6500.00	6500.00			6860.00	
	mg/L		6.5			6.86	
Manganese (Mn) - Dis	µg/L		1.87	1.74		0.463	0.457
Manganese (Mn) - Tot	µg/L		8.86	9.02		9.3	10.6
Mercury (Hg) - Dis	µg/L		<0.0019			<0.0050	
Mercury (Hg) - Tot	µg/L		<0.0019			<0.00050	
Mercury (Hg) - Tot Ultra	µg/L						
Molybdenum (Mo) - Dis	µg/L		0.859			0.917	

Sample Point : SNP 02-20 d

		27-Jun-20			28-Jun-20			16-Jul-20	
		10:00		10:10	10:15		10:30	10:30	
			Duplicate	Duplicate		Duplicate	Duplicate		Duplicate
Molybdenum (Mo) - Tot	µg/L				0.984		1.02	0.84	
Nickel (Ni) - Dis	µg/L				1.08		1.02	0.833	
Nickel (Ni) - Tot	µg/L				1.1		1.08	0.829	
Nickel (Ni) - Tot [Rolling 4	µg/L				1.0435		0.97725	0.96325	0.9605
Nitrate-N	mg/L				I (0.0577)		I (0.0577)	I (0.0453)	
Nitrate-N [Rolling 4 Avg]	mg/L				0.08735		0.08935	0.08115	0.08315
Nitrite-N	mg/L				I (<0.0010)		I (<0.0010)	I (<0.0010)	
Nitrite-N [Rolling 4 Avg]	mg/L				0.001		0.001	0.001	0.001
Oil and Grease	mg/L				<1.0		<1.0	<1.0	
Orthophosphate (PO4-P)	mg/L				I (<0.0010)		I (<0.0010)	I (<0.0010)	
pH [Field]		7.3	7.3	7.3	7.3	7.3	7.3	7.6	7.6
pH [Lab]					7.42		7.68	7.16	
Phosphorous_Dissolved	µg/L								
Phosphorus, Dissolved	mg/L								
Phosphorus, Total	mg/L				0.0032		0.0035	0.0018	
Phosphorus, Total	mg/L				0.00345		0.003575	0.00335	0.00305
Phosphorus, Total	mg/L				0.0017		0.0023	<0.0010	
Potassium (K) - Dis	µg/L				3160.00		3120.00	2340.00	2340.00
	mg/L				3.16		3.12	2.34	
Potassium (K) - Tot	µg/L								
Rubidium (Rb) - Dis	µg/L				4.28		4.23	3.3	
Rubidium (Rb) - Tot	µg/L				4.4		4.36	3.38	
Selenium (Se) - Dis	µg/L				<0.040		<0.040	0.044	
Selenium (Se) - Tot	µg/L				0.04		<0.040	<0.040	
Sodium (Na) -Dis	µg/L				35100.00		34800.00	26800.00	26800.00
	mg/L				35.1		34.8	26.8	
Sodium (Na) -Tot	µg/L								
Strontium (Sr) - Dis	µg/L				898		864	720	
Strontium (Sr) - Tot	µg/L				947		962	742	
Sulfate (SO4) - Dis	mg/L								
Sulphate	mg/L				25.8		25.9	18.8	
Thallium (Tl) - Dis	µg/L				0.0054		0.0055	0.0055	
Thallium (Tl) - Tot	µg/L				0.0052		0.0051	0.0052	
Titanium (Ti) - Dis	µg/L				<0.050		<0.050	<0.050	
Titanium (Ti) - Tot	µg/L				<0.050		<0.050	0.064	
Toluene	mg/L				<0.00050		<0.00050	<0.00050	
Total Dissolved Solids -	mg/L				322		306.667	283	287.667
Total Dissolved Solids -	mg/L				322		320	244	
Total Dissolved Solids -	mg/L				I (558)		I (543)	424	
Total Kjeldahl Nitrogen	mg/L				0.266		0.265	0.234	
Total Suspended Solids	mg/L				I (<3.0)		I (<3.0)	<3.0	
Total Suspended Solids	mg/L				2.5		3	2.33333	3
Turbidity [Lab]	NTU				I (0.36)		I (0.31)	I (0.28)	
Uranium (U) - Dis	µg/L				0.431		0.422	0.314	
Uranium (U) - Tot	µg/L				0.397		0.407	0.309	
Vanadium (V) - Dis	µg/L				<0.050		<0.050	<0.050	
Vanadium (V) - Tot	µg/L				<0.050		<0.050	<0.050	
Water Temperature	°C	4.4	4.4	4.4	4	4	4	12.5	12.5
Xylene	mg/L				<0.00075		<0.00075	<0.00071	
Zinc (Zn) - Dis	µg/L				0.54		0.84	1.65	
Zinc (Zn) - Tot	µg/L				<0.50		0.57	0.52	
Zinc (Zn) - Tot [Rolling 4	µg/L				0.585		0.6675	0.515	0.5975

		16-Jul-20			16-Aug-20		
		10:35		10:40		10:15	10:20
			Lab Split Sample		Duplicate		
Molybdenum (Mo) - Tot	µg/L		0.815			1.79	
Nickel (Ni) - Dis	µg/L		0.838			0.855	
Nickel (Ni) - Tot	µg/L		0.803			0.878	
Nickel (Ni) - Tot [Rolling 4	µg/L	0.95675	0.97325			0.9025	
Nitrate-N	mg/L					I (0.0712)	
Nitrate-N [Rolling 4 Avg]	mg/L					0.0712	
Nitrite-N	mg/L					I (<0.0010)	
Nitrite-N [Rolling 4 Avg]	mg/L					0.001	
Oil and Grease	mg/L		<2.0			<1.0	
Orthophosphate (PO4-P)	mg/L		I (<0.0010)			I (<0.0010)	
pH [Field]			7.6	7.6	7.6	8	8
pH [Lab]			6.96			7.79	
Phosphorous, Dissolved	µg/L		2.7				
Phosphorus, Dissolved	mg/L		<0.0010				
Phosphorus, Total	mg/L		<0.0010			0.0011	
Phosphorus, Total	mg/L	0.00315	0.00175			0.001775	
Phosphorus, Total	mg/L					<0.0010	
Potassium (K) - Dis	µg/L	2250.00	2250.00			2490.00	
	mg/L		2.25			2.49	
Potassium (K) - Tot	µg/L		2260.00				
Rubidium (Rb) - Dis	µg/L		3.29			3.6	
Rubidium (Rb) - Tot	µg/L		3.34			3.48	
Selenium (Se) - Dis	µg/L		<0.040			<0.040	
Selenium (Se) - Tot	µg/L		<0.040			<0.040	
Sodium (Na) -Dis	µg/L	25700.00	25700.00			25700.00	
	mg/L		25.7			25.7	
Sodium (Na) -Tot	µg/L		25700.00				
Strontium (Sr) - Dis	µg/L		733			667	
Strontium (Sr) - Tot	µg/L		720			652	
Sulfate (SO4) - Dis	mg/L		22				
Sulphate	mg/L					20	
Thallium (Tl) - Dis	µg/L		0.004			0.0065	
Thallium (Tl) - Tot	µg/L		0.002			0.0066	
Titanium (Ti) - Dis	µg/L		<0.50			<0.050	
Titanium (Ti) - Tot	µg/L		<0.50			<0.050	
Toluene	mg/L		<0.00040			<0.00050	
Total Dissolved Solids -	mg/L	288.5	217.25			266.25	
Total Dissolved Solids -	mg/L		255			244	
Total Dissolved Solids -	mg/L		399			427	
Total Kjeldahl Nitrogen	mg/L		0.22			0.248	
Total Suspended Solids	mg/L		1.1			<3.0	
Total Suspended Solids	mg/L	1.7	1.05			2.36667	
Turbidity [Lab]	NTU		I (0.13)			I (0.35)	
Uranium (U) - Dis	µg/L		0.31			0.284	
Uranium (U) - Tot	µg/L		0.306			0.286	
Vanadium (V) - Dis	µg/L		<0.20			<0.050	
Vanadium (V) - Tot	µg/L		<0.20			<0.050	
Water Temperature	°C		12.5	12.4	12.4	15.3	15
Xylene	mg/L		<0.00064			<0.00071	
Zinc (Zn) - Dis	µg/L		XM (0.67)			0.6	
Zinc (Zn) - Tot	µg/L		0.51			<0.50	
Zinc (Zn) - Tot [Rolling 4	µg/L	0.5125	1.185			0.5075	

Sample Point : SNP 02-20 e

Parameters	Units	27-Jun-20		28-Jun-20		16-Jul-20			
		12:00		12:00		13:45		14:00	
			Duplicate		Duplicate		Duplicate		Duplicate
Alkalinity -Tot (CaCO3)	mg/L			48.8		50.4		37.1	
Alkalinity, Hydroxide	mg/L			<2.0		<2.0		<2.0	
Aluminum (Al) - Dis	µg/L			1.6		1.4		5.5	
Aluminum (Al) - Tot	µg/L			2.2		3.2		5.7	
Aluminum (Al) - Tot	µg/L			3.325		3.5	2.6925	4.025	
Ammonia-N	mg/L			0.0437		0.0387		0.0081	
Ammonia-N [Rolling 4	mg/L			0.050875		0.03935	0.05005	0.0265	
Antimony (Sb) - Dis	µg/L			<0.020		0.025		0.025	
Antimony (Sb) - Tot	µg/L			0.02		0.035		0.021	
Arsenic (As) - Dis	µg/L			0.127		0.096		0.101	
Arsenic (As) - Tot	µg/L			0.145		0.128		0.107	
Arsenic (As) - Tot [Rolling	µg/L			0.12225		0.1275	0.1245	0.12425	
Barium (Ba) - Dis	µg/L			25.6		26.6		22.2	
Barium (Ba) - Tot	µg/L			28.1		26.2		21.1	
Benzene	mg/L			<0.00050		<0.00050		<0.00050	
Beryllium (Be) - Dis	µg/L			<0.0050		<0.0050		<0.0050	
Beryllium (Be) - Tot	µg/L			<0.0050		<0.0050		<0.0050	
Boron (B) - Dis	µg/L			63.9		68.8		48.5	
Boron (B) - Tot	µg/L			64.7		65.1		51.1	
Cadmium (Cd) - Dis	µg/L			<0.0050		<0.0050		<0.0050	
Cadmium (Cd) - Tot	µg/L			<0.0050		0.0057		<0.0050	
Calcium (Ca) - Dis	µg/L			66200.00		69200.00	69200.00	50700.00	
	mg/L			66.2		69.2		50.7	
Carbon, Dissolved	mg/L			4.23		3.54		3.65	
Carbon, Organic Total	mg/L			4.01		3.51		3.4	
Cesium (Cs) - Dis	µg/L			0.0374		0.0351		0.0319	
Cesium (Cs) - Tot	µg/L			0.0351		0.0357		0.0304	
Chloride	mg/L			150		147		116	
Chromium (Cr) - Dis	µg/L			<0.10		<0.10		<0.10	
Chromium (Cr) - Tot	µg/L			<0.10		<0.10		<0.10	
Chromium (Cr) - Tot	µg/L			0.1		0.1	0.07	0.1	
Cobalt (Co) - Dis	µg/L			0.0705		0.0626		0.009	
Cobalt (Co) - Tot	µg/L			0.0966		0.078		0.0242	
Conductivity [Field]	µS/cm	900	900	752	752	769	769	584	584
Conductivity [Lab]	µS/cm			649		668		525	
Copper (Cu) - Dis	µg/L			0.521		0.493		0.579	
Copper (Cu) - Tot	µg/L			0.573		0.521		0.469	
Copper (Cu) - Tot [Rolling	µg/L			0.59075		0.58675	0.51275	0.57625	
Dissolved Oxygen [Field]	mg/L	11.6	11.6	9.4	9.4	9.4	9.4	9.8	9.8
E.Coli	MPN/100mL			<1.0		<1.0		1.0	
Ethylbenzene	mg/L			<0.00050		<0.00050		<0.00050	
F1 (C6-C10)	mg/L			<0.10		<0.10		<0.10	
F1-BTEX	mg/L			<0.10		<0.08		<0.08	
F2 (C10-C16)	mg/L			<0.10		<0.10		<0.10	
Fluoride (F)	mg/L			0.204		0.207		0.176	
Fluoride (F) [Rolling 4	mg/L			0.1995		0.198	0.16825	0.1925	
Hardness	mg/L	198		203		208		153	
Iron (Fe) - Dis	µg/L			5.6		7.3		5.1	
Iron (Fe) - Tot	µg/L			59.1		50.8		21.5	
Lead (Pb) - Dis	µg/L			<0.010		<0.010		<0.010	
Lead (Pb) - Tot	µg/L			<0.010		0.012		<0.010	
Lead (Pb) - Tot [Rolling 4	µg/L			0.01		0.0105	0.013	0.0105	
Lithium (Li) - Dis	µg/L			10.8		11.6		8.68	
Lithium (Li) - Tot	µg/L			11.2		10.8		9.36	
Magnesium (Mg) - Dis	µg/L			9120.00		8670.00	8670.00	6500.00	
	mg/L			9.12		8.67		6.5	
Manganese (Mn) - Dis	µg/L	3.34		43.1		41.6		1.89	
Manganese (Mn) - Tot	µg/L	10.7		52.6		43.1		9.28	
Mercury (Hg) - Dis	µg/L			<0.0050		<0.0050		<0.0050	
Mercury (Hg) - Tot	µg/L					<0.00050		<0.00050	
Mercury (Hg) - Tot Ultra	µg/L			<0.00050					
Molybdenum (Mo) - Dis	µg/L			0.904		0.996		0.815	
Molybdenum (Mo) - Tot	µg/L			1.03		0.956		0.774	
Nickel (Ni) - Dis	µg/L			1.05		1.1		0.836	

		16-Aug-20			
		12:05	12:10	12:15	12:20
			Duplicate		Duplicate
Alkalinity -Tot (CaCO3)	mg/L	45.7	46.3	36.5	
Alkalinity, Hydroxide	mg/L	<2.0	<2.0	<2.0	
Aluminum (Al) - Dis	µg/L	1.7	1.7	6.4	
Aluminum (Al) - Tot	µg/L	3.7	2.8	7	
Aluminum (Al) - Tot	µg/L	3.7	2.5925	4.8	
Ammonia-N	mg/L	0.0492	0.0523	0.0114	
Ammonia-N [Rolling 4	mg/L	0.034925	0.05345	0.03025	
Antimony (Sb) - Dis	µg/L	0.025	0.025	0.022	
Antimony (Sb) - Tot	µg/L	0.026	0.025	0.023	
Arsenic (As) - Dis	µg/L	0.12	0.13	0.105	
Arsenic (As) - Tot	µg/L	0.12	0.118	0.1	
Arsenic (As) - Tot [Rolling	µg/L	0.125	0.122	0.11125	
Barium (Ba) - Dis	µg/L	23.2	24.2	19.1	
Barium (Ba) - Tot	µg/L	24.2	24.7	18.6	
Benzene	mg/L	<0.00050	<0.00050	<0.00050	
Beryllium (Be) - Dis	µg/L	<0.0050	<0.0050	<0.0050	
Beryllium (Be) - Tot	µg/L	<0.0050	<0.0050	<0.0050	
Boron (B) - Dis	µg/L	59.4	62.9	50.4	
Boron (B) - Tot	µg/L	64.8	67.1	55.5	
Cadmium (Cd) - Dis	µg/L	<0.0050	<0.0050	<0.0050	
Cadmium (Cd) - Tot	µg/L	<0.0050	<0.0050	<0.0050	
Calcium (Ca) - Dis	µg/L	66900.00	71500.00	53900.00	
	mg/L	66.9	71.5	53.9	
Carbon, Dissolved	mg/L	4.23	3.17	3.53	
Carbon, Organic Total	mg/L	3.6	3.38	3.32	
Cesium (Cs) - Dis	µg/L	0.0371	0.0366	0.0313	
Cesium (Cs) - Tot	µg/L	0.0364	0.0332	0.033	
Chloride	mg/L	144	145	113	
Chromium (Cr) - Dis	µg/L	<0.10	<0.10	<0.10	
Chromium (Cr) - Tot	µg/L	<0.10	<0.10	<0.10	
Chromium (Cr) - Tot	µg/L	0.1	0.07	0.1	
Cobalt (Co) - Dis	µg/L	0.0207	0.0259	0.0098	
Cobalt (Co) - Tot	µg/L	0.0832	0.0929	0.0266	
Conductivity [Field]	µS/cm	669	669	496	496
Conductivity [Lab]	µS/cm	630	637	502	
Copper (Cu) - Dis	µg/L	XM (0.858)	0.496	0.725	
Copper (Cu) - Tot	µg/L	0.516	0.528	0.563	
Copper (Cu) - Tot [Rolling	µg/L	0.51975	0.5145	0.519	
Dissolved Oxygen [Field]	mg/L	7.8	7.8	9.2	9.2
E.Coli	MPN/100mL	1.0	<1.0	<1.0	
Ethylbenzene	mg/L	<0.00050	<0.00050	<0.00050	
F1 (C6-C10)	mg/L	<0.10	<0.10	<0.10	
F1-BTEX	mg/L	<0.08	<0.08	<0.08	
F2 (C10-C16)	mg/L	<0.10	<0.10	<0.10	
Fluoride (F)	mg/L	0.207	0.207	0.179	
Fluoride (F) [Rolling 4	mg/L	0.1985	0.16825	0.19225	
Hardness	mg/L	204	215	163	
Iron (Fe) - Dis	µg/L	2.8	2.5	4.7	
Iron (Fe) - Tot	µg/L	44.7	47.9	20	
Lead (Pb) - Dis	µg/L	<0.010	<0.010	<0.010	
Lead (Pb) - Tot	µg/L	<0.010	<0.010	<0.010	
Lead (Pb) - Tot [Rolling 4	µg/L	0.0105	0.0125	0.01	
Lithium (Li) - Dis	µg/L	9.94	10.6	8.33	
Lithium (Li) - Tot	µg/L	10.2	10.7	8.68	
Magnesium (Mg) - Dis	µg/L	8910.00	8950.00	6980.00	
	mg/L	8.91	8.95	6.98	
Manganese (Mn) - Dis	µg/L	27.6	30.6	0.809	0.675
Manganese (Mn) - Tot	µg/L	54.5	59.1	9.36	9.92
Mercury (Hg) - Dis	µg/L	<0.0050	<0.0050	<0.0050	
Mercury (Hg) - Tot	µg/L	<0.00050	<0.00050	<0.00050	
Mercury (Hg) - Tot Ultra	µg/L				
Molybdenum (Mo) - Dis	µg/L	0.926	0.996	0.949	
Molybdenum (Mo) - Tot	µg/L	1.12	0.986	0.944	
Nickel (Ni) - Dis	µg/L	1.15	1.16	0.859	

Sample Point : SNP 02-20 e

		27-Jun-20		28-Jun-20		16-Jul-20			
		12:00		12:00		13:45		14:00	
			Duplicate		Duplicate		Duplicate		Duplicate
Nickel (Ni) - Tot	µg/L			1.12		1.04		0.839	
Nickel (Ni) - Tot [Rolling 4	µg/L			1.149		1.0715	1.31	0.98875	
Nitrate-N	mg/L			I (0.0556)		I (0.0601)		I (0.0454)	
Nitrate-N [Rolling 4 Avg]	mg/L			0.0556		0.0601	0.190033	0.05275	
Nitrite-N	mg/L			I (<0.0010)		I (<0.0010)		I (<0.0010)	
Nitrite-N [Rolling 4 Avg]	mg/L			0.001		0.001	0.00116667	0.001	
Oil and Grease	mg/L			<1.0		<1.0		<1.0	
Orthophosphate (PO4-P)	mg/L			I (<0.0010)		I (<0.0010)		I (0.0011)	
pH [Field]		7.3	7.3	7.3	7.3	7.3	7.3	8	8
pH [Lab]				7.57		7.17		7.63	
Phosphorus, Total	mg/L			0.0040		0.0028		0.0016	
Phosphorus, Total	mg/L			0.002875		0.0029	0.007425	0.0026	
Phosphorus, Total	mg/L			0.0013		0.0029		<0.0010	
Potassium (K) - Dis	µg/L			3140.00		2950.00	2950.00	2400.00	
	mg/L			3.14		2.95		2.4	
Rubidium (Rb) - Dis	µg/L			4.23		4.14		3.5	
Rubidium (Rb) - Tot	µg/L			4.22		3.98		3.33	
Selenium (Se) - Dis	µg/L			<0.040		<0.040		<0.040	
Selenium (Se) - Tot	µg/L			<0.040		<0.040		<0.040	
Sodium (Na) -Dis	µg/L			34500.00		33600.00	33600.00	26500.00	
	mg/L			34.5		33.6		26.5	
Strontium (Sr) - Dis	µg/L			876		920		718	
Strontium (Sr) - Tot	µg/L			916		905		720	
Sulphate	mg/L			25.2		24.4		19.5	
Thallium (Tl) - Dis	µg/L			0.0052		0.0051		<0.0050	
Thallium (Tl) - Tot	µg/L			<0.0050		<0.0050		0.0052	
Titanium (Ti) - Dis	µg/L			<0.050		<0.050		<0.050	
Titanium (Ti) - Tot	µg/L			<0.050		<0.050		0.054	
Toluene	mg/L			<0.00050		<0.00050		<0.00050	
Total Dissolved Solids -	mg/L			318		317.5	348.5	293	
Total Dissolved Solids -	mg/L			318		317		244	
Total Dissolved Solids -	mg/L			I (538)		551		I (445)	
Total Kjeldahl Nitrogen	mg/L			0.28		0.296		0.222	
Total Suspended Solids	mg/L			I (<3.0)		<3.0		I (<3.0)	
Total Suspended Solids	mg/L			1.775		1.83333	3	2.33333	
Turbidity [Lab]	NTU			I (0.51)		I (0.5)		I (0.37)	
Uranium (U) - Dis	µg/L			0.405		0.385		0.31	
Uranium (U) - Tot	µg/L			0.402		0.375		0.308	
Vanadium (V) - Dis	µg/L			<0.050		<0.050		<0.050	
Vanadium (V) - Tot	µg/L			<0.050		<0.050		<0.050	
Water Temperature	°C	3.5	3.5	3.6	3.6	4	4	12.7	12.7
Xylene	mg/L			<0.00075		<0.00071		<0.00071	
Zinc (Zn) - Dis	µg/L			0.77		1.36		0.79	
Zinc (Zn) - Tot	µg/L			0.58		0.54		<0.50	
Zinc (Zn) - Tot [Rolling 4	µg/L			0.8075		0.8175	0.735	0.8175	

		16-Aug-20			
		12:05	12:10	12:15	12:20
			Duplicate		Duplicate
Nickel (Ni) - Tot	µg/L	1.13	1.17	0.885	
Nickel (Ni) - Tot [Rolling 4	µg/L	1.03225	1.3425	1.006	
Nitrate-N	mg/L	I (0.0713)	I (0.0781)	I (0.0745)	
Nitrate-N [Rolling 4 Avg]	mg/L	0.0713	0.196033	0.0746333	
Nitrite-N	mg/L	I (<0.0010)	I (<0.0010)	I (<0.0010)	
Nitrite-N [Rolling 4 Avg]	mg/L	0.001	0.00116667	0.001	
Oil and Grease	mg/L	<1.0	<1.0	<1.0	
Orthophosphate (PO4-P)	mg/L	I (<0.0010)	I (<0.0010)	I (<0.0010)	
pH [Field]		7.2	7.2	8	8
pH [Lab]		7.56	7.61	7.83	
Phosphorus, Total	mg/L	0.0061	0.0056	0.0018	
Phosphorus, Total	mg/L	0.003625	0.008125	0.003775	
Phosphorus, Total	mg/L	<0.0010	<0.0010	<0.0010	
Potassium (K) - Dis	µg/L	2990.00	3070.00	2510.00	
	mg/L	2.99	3.07	2.51	
Rubidium (Rb) - Dis	µg/L	4.19	4.32	3.62	
Rubidium (Rb) - Tot	µg/L	4.13	4.27	3.54	
Selenium (Se) - Dis	µg/L	<0.040	<0.040	<0.040	
Selenium (Se) - Tot	µg/L	<0.040	<0.040	<0.040	
Sodium (Na) -Dis	µg/L	32800.00	33900.00	26000.00	
	mg/L	32.8	33.9	26	
Strontium (Sr) - Dis	µg/L	869	873	670	
Strontium (Sr) - Tot	µg/L	857	863	638	
Sulphate	mg/L	24.6	24.9	19.9	
Thallium (Tl) - Dis	µg/L	<0.0050	<0.0050	0.0068	
Thallium (Tl) - Tot	µg/L	<0.0050	<0.0050	0.0063	
Titanium (Ti) - Dis	µg/L	<0.050	<0.050	<0.050	
Titanium (Ti) - Tot	µg/L	<0.050	<0.050	<0.050	
Toluene	mg/L	<0.00050	<0.00050	<0.00050	
Total Dissolved Solids -	mg/L	296.75	348.25	278.25	
Total Dissolved Solids -	mg/L	308	316	245	
Total Dissolved Solids -	mg/L	554	556	404	
Total Kjeldahl Nitrogen	mg/L	0.291	0.289	0.245	
Total Suspended Solids	mg/L	<3.0	<3.0	<3.0	
Total Suspended Solids	mg/L	3	3	3	
Turbidity [Lab]	NTU	I (0.69)	I (0.65)	I (0.34)	
Uranium (U) - Dis	µg/L	0.355	0.358	0.29	
Uranium (U) - Tot	µg/L	0.346	0.36	0.272	
Vanadium (V) - Dis	µg/L	<0.050	<0.050	<0.050	
Vanadium (V) - Tot	µg/L	<0.050	<0.050	<0.050	
Water Temperature	°C	4.4	4.4	14.9	14.9
Xylene	mg/L	<0.00071	<0.00071	<0.00071	
Zinc (Zn) - Dis	µg/L	1.1	<0.50	0.61	
Zinc (Zn) - Tot	µg/L	0.62	<0.50	<0.50	
Zinc (Zn) - Tot [Rolling 4	µg/L	0.56	0.725	0.53	

Sample Point : SNP 02-20 f

Parameters	Units	27-Jun-20		28-Jun-20		16-Jul-20			
		09:30		09:00		09:00		09:05	09:10
			Duplicate		Duplicate		Duplicate	Duplicate	
Alkalinity -Tot (CaCO3)	mg/L			49.6		38.3		39.4	
Alkalinity, Hydroxide	mg/L			<2.0		<2.0		<2.0	
Aluminum (Al) - Dis	µg/L			1.9		4.9		5.3	
Aluminum (Al) - Tot	µg/L			1.9		5.3		6.5	
Aluminum (Al) - Tot	µg/L			3.325		3.95	5.5475	5.8475	
Ammonia-N	mg/L			0.0283		0.0074		0.0102	
Ammonia-N [Rolling 4	mg/L			0.028575		0.0164	0.0243333	0.0252667	
Antimony (Sb) - Dis	µg/L			<0.020		0.021		0.022	
Antimony (Sb) - Tot	µg/L			0.023		0.028		<0.020	
Arsenic (As) - Dis	µg/L			0.15		0.084		0.115	
Arsenic (As) - Tot	µg/L			0.142		0.117		0.102	
Arsenic (As) - Tot [Rolling	µg/L			0.12675		0.1255	0.18175	0.178	
Barium (Ba) - Dis	µg/L			24.6		21.1		21.3	
Barium (Ba) - Tot	µg/L			27.9		21.5		21.6	
Benzene	mg/L			<0.00050		<0.00050		<0.00050	
Beryllium (Be) - Dis	µg/L			<0.0050		<0.0050		<0.0050	
Beryllium (Be) - Tot	µg/L			<0.0050		<0.0050		<0.0050	
Boron (B) - Dis	µg/L			62.2		55.8		54.9	
Boron (B) - Tot	µg/L			65.8		54.2		54.4	
Cadmium (Cd) - Dis	µg/L			<0.0050		<0.0050		<0.0050	
Cadmium (Cd) - Tot	µg/L			<0.0050		0.006		<0.0050	
Calcium (Ca) - Dis	µg/L			63400.00		56700.00	56700.00	56600.00	
	mg/L			63.4		56.7		56.6	
Carbon, Dissolved	mg/L			3.93		3.32		3.47	
Carbon, Organic Total	mg/L			3.8		3.53		3.44	
Cesium (Cs) - Dis	µg/L			0.0356		0.0295		0.0308	
Cesium (Cs) - Tot	µg/L			0.0381		0.0316		0.0305	
Chloride	mg/L			153		112		112	
Chloride (Cl) - Dissolved	mg/L								
Chromium (Cr) - Dis	µg/L			<0.10		<0.10		<0.10	
Chromium (Cr) - Tot	µg/L			<0.10		<0.10		<0.10	
Chromium (Cr) - Tot	µg/L			0.1		0.1	0.1035	0.1035	
Cobalt (Co) - Dis	µg/L			0.0145		0.0106		0.0108	
Cobalt (Co) - Tot	µg/L			0.0332		0.0327		0.0258	
Conductivity [Field]	µS/cm	887	887	744	744	539	539	539	540
Conductivity [Lab]	µS/cm			661		515		516	
Copper (Cu) - Dis	µg/L			0.612		0.458		0.504	
Copper (Cu) - Tot	µg/L			0.728		0.5		0.47	
Copper (Cu) - Tot [Rolling	µg/L			0.56325		0.55075	0.585	0.5775	
Dissolved Oxygen [Field]	mg/L	11.8	11.8	9.6	9.6	10.1	10.1	10.1	10
E.Coli	MPN/100mL			<1.0		<1.0		1.0	
Ethylbenzene	mg/L			<0.00050		<0.00050		<0.00050	
F1 (C6-C10)	mg/L			<0.10		<0.10		<0.10	
F1-BTEX	mg/L			1 (<0.10)		<0.08		<0.08	
F2 (C10-C16)	mg/L			<0.10		<0.10		<0.10	
Fluoride (F)	mg/L			0.208		0.168		0.168	
Fluoride (F) [Rolling 4	mg/L			0.196		0.185	0.162333	0.162333	
Hardness	mg/L	203		194		169		168	
Hardness, Dissolved	mg/L								
Iron (Fe) - Dis	µg/L			3.1		5.2		5.1	
Iron (Fe) - Tot	µg/L			20.9		21.6		20.9	
Lead (Pb) - Dis	µg/L			<0.010		<0.010		<0.010	
Lead (Pb) - Tot	µg/L			0.016		<0.010		<0.010	
Lead (Pb) - Tot [Rolling 4	µg/L			0.0115		0.0115	0.03175	0.03175	
Lithium (Li) - Dis	µg/L			10.6		9.39		9.3	
Lithium (Li) - Tot	µg/L			11.2		9.08		8.98	
Magnesium (Mg) - Dis	µg/L			8790.00		6580.00	6580.00	6440.00	
	mg/L			8.79		6.58		6.44	
Manganese (Mn) - Dis	µg/L	9.74		13.2		1.7		1.77	1.77
Manganese (Mn) - Tot	µg/L	17.6		23.4		9.61		9.16	9.27
Mercury (Hg) - Dis	µg/L			<0.0050		<0.0050		<0.0050	
Mercury (Hg) - Tot	µg/L					<0.00050		0.00051	
Mercury (Hg) - Tot Ultra	µg/L			<0.00050					
Molybdenum (Mo) - Dis	µg/L			0.921		0.868		0.859	

		16-Jul-20		16-Aug-20		
		09:10	09:15	08:45	08:50	08:55
		Duplicate	Duplicate		Lab Split Sample	
Alkalinity -Tot (CaCO3)	mg/L			36.6	36.5	
Alkalinity, Hydroxide	mg/L			<2.0		
Aluminum (Al) - Dis	µg/L			5.6	5.53	
Aluminum (Al) - Tot	µg/L			7.3	8.48	
Aluminum (Al) - Tot	µg/L			4.7	7.555	
Ammonia-N	mg/L			0.0111	0.011	
Ammonia-N [Rolling 4	mg/L			0.015225	0.07475	
Antimony (Sb) - Dis	µg/L			0.024	<0.020	
Antimony (Sb) - Tot	µg/L			0.024	<0.020	
Arsenic (As) - Dis	µg/L			0.106	0.084	
Arsenic (As) - Tot	µg/L			0.106	0.079	
Arsenic (As) - Tot [Rolling	µg/L			0.12425	0.10775	
Barium (Ba) - Dis	µg/L			19.1	21.3	
Barium (Ba) - Tot	µg/L			18.6	22.5	
Benzene	mg/L			<0.00050	<0.00040	
Beryllium (Be) - Dis	µg/L			<0.0050	<0.010	
Beryllium (Be) - Tot	µg/L			<0.0050	<0.010	
Boron (B) - Dis	µg/L			49.7	49	
Boron (B) - Tot	µg/L			53.4	50	
Cadmium (Cd) - Dis	µg/L			<0.0050	<0.0050	
Cadmium (Cd) - Tot	µg/L			<0.0050	<0.0050	
Calcium (Ca) - Dis	µg/L			52900.00	53300.00	
	mg/L			52.9	53.3	
Carbon, Dissolved	mg/L			3.72	3.2	
Carbon, Organic Total	mg/L			3.54	2.6	
Cesium (Cs) - Dis	µg/L			0.0342	<0.050	
Cesium (Cs) - Tot	µg/L			0.0342	<0.050	
Chloride	mg/L			113		
Chloride (Cl) - Dissolved	mg/L				120	
Chromium (Cr) - Dis	µg/L			<0.10	<0.10	
Chromium (Cr) - Tot	µg/L			<0.10	<0.10	
Chromium (Cr) - Tot	µg/L			0.1	0.1	
Cobalt (Co) - Dis	µg/L			0.0069	0.0109	
Cobalt (Co) - Tot	µg/L			0.0212	0.0383	
Conductivity [Field]	µS/cm	540	540	498	498	497
Conductivity [Lab]	µS/cm			504	498	
Copper (Cu) - Dis	µg/L			0.591	0.492	
Copper (Cu) - Tot	µg/L			0.56	0.541	
Copper (Cu) - Tot [Rolling	µg/L			0.574	0.62575	
Dissolved Oxygen [Field]	mg/L	10	10	9.1	9.1	9.2
E.Coli	MPN/100mL			<1.0	1 (1.0)	
Ethylbenzene	mg/L			<0.00050	<0.00040	
F1 (C6-C10)	mg/L			<0.10	<0.10	
F1-BTEX	mg/L			<0.08		
F2 (C10-C16)	mg/L			<0.10	<0.10	
Fluoride (F)	mg/L			0.179	0.159	
Fluoride (F) [Rolling 4	mg/L			0.1845	0.154667	
Hardness	mg/L			161		
Hardness, Dissolved	mg/L				161	
Iron (Fe) - Dis	µg/L			3.7	3.7	
Iron (Fe) - Tot	µg/L			18.5	25.8	
Lead (Pb) - Dis	µg/L			<0.010	<0.0050	
Lead (Pb) - Tot	µg/L			<0.010	<0.0050	
Lead (Pb) - Tot [Rolling 4	µg/L			0.0115	0.0935	
Lithium (Li) - Dis	µg/L			8.21	8.23	
Lithium (Li) - Tot	µg/L			8.61	8.71	
Magnesium (Mg) - Dis	µg/L			7070.00	6770.00	
	mg/L			7.07	6.77	
Manganese (Mn) - Dis	µg/L		1.67	0.371	0.410	0.492
Manganese (Mn) - Tot	µg/L		8.96	9.02	13.9	10.2
Mercury (Hg) - Dis	µg/L			<0.0050	<0.0019	
Mercury (Hg) - Tot	µg/L			<0.00050	<0.0019	
Mercury (Hg) - Tot Ultra	µg/L					
Molybdenum (Mo) - Dis	µg/L			1.06	1.01	

Sample Point : SNP 02-20 f

		27-Jun-20		28-Jun-20		16-Jul-20			
		09:30		09:00		09:00		09:05	09:10
			Duplicate		Duplicate		Duplicate	Duplicate	
Molybdenum (Mo) - Tot	µg/L			1.04		0.9		0.857	
Nickel (Ni) - Dis	µg/L			1.04		0.82		0.855	
Nickel (Ni) - Tot	µg/L			1.17		0.88		0.912	
Nickel (Ni) - Tot [Rolling 4	µg/L			1.06925		0.99675	0.9485	0.9565	
Nitrate-N	mg/L			I (0.0596)		I (0.0444)		I (0.0437)	
Nitrate-N [Rolling 4 Avg]	mg/L			0.0883		0.0807	0.0444	0.0437	
Nitrite-N	mg/L			I (<0.0010)		I (<0.0010)		I (<0.0010)	
Nitrite-N [Rolling 4 Avg]	mg/L			0.001		0.001	0.001	0.001	
Oil and Grease	mg/L			<1.0		<1.0		<1.0	
Orthophosphate (PO4-P)	mg/L			I (<0.0010)		I (<0.0010)		I (<0.0010)	
pH [Field]		7.4	7.4	7.2	7.2	7.5	7.5	7.5	7.6
pH [Lab]				7.55		7.16		7.21	
Phosphorus, Dissolved	mg/L								
Phosphorus, Total	mg/L			0.0035		0.0014		0.0019	
Phosphorus, Total	mg/L			0.0038		0.00315	0.002325	0.00245	
Phosphorus, Total	mg/L			0.0015		<0.0010		<0.0010	
Potassium (K) - Dis	µg/L			3090.00		2380.00	2380.00	2320.00	
	mg/L			3.09		2.38		2.32	
Rubidium (Rb) - Dis	µg/L			4.17		3.35		3.3	
Rubidium (Rb) - Tot	µg/L			4.29		3.3		3.34	
Selenium (Se) - Dis	µg/L			<0.040		<0.040		0.043	
Selenium (Se) - Tot	µg/L			<0.040		<0.040		<0.040	
Sodium (Na) -Dis	µg/L			34400.00		26900.00	26900.00	26600.00	
	mg/L			34.4		26.9		26.6	
Strontium (Sr) - Dis	µg/L			848		728		719	
Strontium (Sr) - Tot	µg/L			968		745		742	
Sulfate (SO4) - Dis	mg/L								
Sulphate	mg/L			25.9		18.8		18.8	
Thallium (Tl) - Dis	µg/L			0.0052		0.0054		0.0056	
Thallium (Tl) - Tot	µg/L			0.0052		0.0054		0.0053	
Titanium (Ti) - Dis	µg/L			<0.050		<0.050		<0.050	
Titanium (Ti) - Tot	µg/L			<0.050		0.084		0.055	
Toluene	mg/L			<0.00050		<0.00050		<0.00050	
Total Dissolved Solids -	mg/L			320		283.5	215.333	215.333	
Total Dissolved Solids -	mg/L			320		247		247	
Total Dissolved Solids -	mg/L			I (544)		404		410	
Total Kjeldahl Nitrogen	mg/L			0.278		0.251		0.243	
Total Suspended Solids	mg/L			I (<3.0)		<3.0		<3.0	
Total Suspended Solids	mg/L			2.525		2.36667	3	3	
Turbidity [Lab]	NTU			I (0.36)		I (0.3)		I (0.3)	
Uranium (U) - Dis	µg/L			0.422		0.297		0.304	
Uranium (U) - Tot	µg/L			0.416		0.314		0.308	
Vanadium (V) - Dis	µg/L			<0.050		<0.050		<0.050	
Vanadium (V) - Tot	µg/L			<0.050		<0.050		<0.050	
Water Temperature	°C	4.1	4.1	4	4	12.5	12.5	12.5	12.4
Xylene	mg/L			<0.00075		<0.00071		<0.00071	
Zinc (Zn) - Dis	µg/L			0.95		0.7		0.92	
Zinc (Zn) - Tot	µg/L			0.67		0.61		<0.50	
Zinc (Zn) - Tot [Rolling 4	µg/L			0.6175		0.57	1.26	1.2325	

		16-Jul-20		16-Aug-20		
		09:10	09:15	08:45	08:50	08:55
		Duplicate	Duplicate		Lab Split Sample	
Molybdenum (Mo) - Tot	µg/L			1.06	0.994	
Nickel (Ni) - Dis	µg/L			0.85	0.844	
Nickel (Ni) - Tot	µg/L			0.872	0.907	
Nickel (Ni) - Tot [Rolling 4	µg/L			0.966	1.0065	
Nitrate-N	mg/L			1 (0.0739)		
Nitrate-N [Rolling 4 Avg]	mg/L			0.0739		
Nitrite-N	mg/L			1 (<0.0010)		
Nitrite-N [Rolling 4 Avg]	mg/L			0.001		
Oil and Grease	mg/L			<1.0	<2.0	
Orthophosphate (PO4-P)	mg/L			1 (<0.0010)	1 (<0.0010)	
pH [Field]		7.6	7.6	8	8	8
pH [Lab]				7.81	6.71	
Phosphorus, Dissolved	mg/L				<0.0010	
Phosphorus, Total	mg/L			0.0012	<0.0010	
Phosphorus, Total	mg/L			0.002025	0.0015	
Phosphorus, Total	mg/L			<0.0010		
Potassium (K) - Dis	µg/L			2550.00	2360.00	
	mg/L			2.55	2.36	
Rubidium (Rb) - Dis	µg/L			3.65	3.64	
Rubidium (Rb) - Tot	µg/L			3.52	3.88	
Selenium (Se) - Dis	µg/L			<0.040	<0.040	
Selenium (Se) - Tot	µg/L			<0.040	<0.040	
Sodium (Na) -Dis	µg/L			26100.00	25600.00	
	mg/L			26.1	25.6	
Strontium (Sr) - Dis	µg/L			692	783	
Strontium (Sr) - Tot	µg/L			655	814	
Sulfate (SO4) - Dis	mg/L				21	
Sulphate	mg/L			20		
Thallium (Tl) - Dis	µg/L			0.0065	0.0041	
Thallium (Tl) - Tot	µg/L			0.0065	0.0054	
Titanium (Ti) - Dis	µg/L			<0.050	<0.50	
Titanium (Ti) - Tot	µg/L			<0.050	<0.50	
Toluene	mg/L			<0.00050	<0.00040	
Total Dissolved Solids -	mg/L			270.667	217.333	
Total Dissolved Solids -	mg/L			245	256	
Total Dissolved Solids -	mg/L			419	376	
Total Kjeldahl Nitrogen	mg/L			0.243	0.26	
Total Suspended Solids	mg/L			<3.0	<1.0	
Total Suspended Solids	mg/L			2.36667	1.1	
Turbidity [Lab]	NTU			1 (0.38)	0.27	
Uranium (U) - Dis	µg/L			0.287	0.309	
Uranium (U) - Tot	µg/L			0.284	0.322	
Vanadium (V) - Dis	µg/L			<0.050	<0.20	
Vanadium (V) - Tot	µg/L			<0.050	<0.20	
Water Temperature	°C	12.4	12.4	15.3	15.3	15
Xylene	mg/L			<0.00071	<0.00057	
Zinc (Zn) - Dis	µg/L			<0.50	0.12	
Zinc (Zn) - Tot	µg/L			<0.50	0.23	
Zinc (Zn) - Tot [Rolling 4	µg/L			0.57	1.745	

Sample Point : SNP 02-20c

Parameters	Units	16-Jul-20	
		10:35	
		Duplicate	Lab Split Sample
Conductivity [Field]	$\mu\text{S/cm}$		539
Dissolved Oxygen [Field]	mg/L	9.9	
pH [Field]		7.6	
Water Temperature	$^{\circ}\text{C}$	12.5	