

Site Description	Sample Date	Sample time	Field Temp (°C)	Field DO (mg/L)	Field SPC (uS/cm)	Field Conductivity (mg/L)	Field pH	Field TDS (RFU)	Field Nitrogen (mg/L)	Field Ammonia (mg/L)	Field Bromide (mg/L)	Field Chloride (mg/L)	Field Fluoride (mg/L)	Field Nitrate (mg/L)	Field Nitrite (mg/L)	Field Sulfate (mg/L)	TDS (mg/L)	Phosphorous (mg/L)	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)
Cove below Shaw	2020-07-10	8:10								ND	ND	27.7	0.085	ND	ND	41.4	188	ND	0.039	ND	0.031	ND	ND	26.4
Cove below Shaw	2020-07-23	9:45	27.366	7.96	258.3	167.902	8.77			ND	ND	29.7	0.087	ND	ND	45.1	129	ND	0.099	ND	0.028	ND	ND	23.6
Cove below Shaw	2020-08-06	12:15	27.778	9.66	259.4		8.97			ND	ND	29.2	0.088	ND	ND	44.2	123	ND	0.052	ND	0.029	ND	ND	24.3
Cove below Shaw	2020-08-11	13:30	29.837	9.88	259.7		9.02			ND	ND	29.4	0.094	ND	ND	44.6	130	ND	0.062	ND	0.029	ND	ND	23.2
Cove below Shaw	2020-08-20	9:45	24.892	8.9	266	173	8.62			ND	ND	29.7	0.09	0.103	ND	45.1	121	ND	0.294	ND	0.033	ND	ND	23.9
Cove below Shaw	2020-08-27	10:00	26.094	8.49	263.7	171.3	8.37			ND	ND	30.1	0.123	ND	ND	45.9	154	ND	0.046	ND	0.029	ND	ND	23.8
Cove below Shaw	2020-09-03	10:40	24.042	8.35	260.8	169.5	8.24			ND	ND	28.7	0.09	ND	ND	42.9	147	ND	0.03	ND	0.032	ND	ND	24
Cove below Shaw	2020-09-10	9:20	25.216	8.76	262.9	170.85	8.46			ND	ND	29.2	0.096	ND	ND	43.9	141	0.16	0.027	ND	0.029	ND	ND	23
Cove below Shaw	2020-09-17	10:10	21.986	11.96	263.2	170.4	9.12			ND	ND	28.9	0.097	ND	ND	45.6	130	ND	0.032	ND	0.03	ND	ND	24.2
Cove below Shaw	2020-09-22	10:50	20.449	8.68	262.7	170.75	8.26			ND	ND	30.4	0.095	ND	ND	42.8	141	ND	0.215	ND	0.035	ND	ND	24.1
Cove below Shaw	2020-10-01	8:52	19.551	10.51	262.9	170.93	8.36			ND	ND	30.6	0.067	ND	ND	44.6	124	ND	0.557	ND	0.04	ND	ND	25.1
Cove below Shaw	2020-10-08	8:30	16.163	8.86	264.4	171.76	7.39			ND	ND	31.4	0.055	ND	ND	36.4	137	ND	0.081	ND	0.031	ND	ND	24.5
Cove below Shaw	2020-10-15	8:30	16.385	8.09	266.8	173.456	7.36			ND	ND	26.8	0.138	4	ND	14.1	136	ND	0.08	ND	0.033	ND	ND	24.1
Cove below Shaw	2020-10-22	8:50	15.805	8.56	269.9	175.952	7.34	1.00	ND	ND	26.9	0.118	ND	ND	41.4	155	ND	0.034	ND	0.031	ND	ND	24.6	
Cove below Shaw	2020-10-29	7:30	14.403	9.07	267.5	173.7	7.13	0.45	ND	ND	25.4	0.11	ND	ND	51.3	151	ND	0.054	ND	0.031	ND	ND	24.3	
Cove below Shaw	2020-11-05	9:40	11.533		264.5	171.93	7.58	3.269	2.98	ND	ND	27.6	0.323	ND	ND	40.1	133	ND	0.215	ND	0.042	ND	ND	26.5
Cove below Shaw	2020-11-10	9:30	12.53	8.94	262.7	170.956	7.55	3.422	ND	ND	27.2	0.109	ND	ND	39.8	147	ND	0.778	0.011	0.055	ND	ND	25	
Cove below Shaw	2020-11-18	9:30	8.559	9.95	263.6	131.787	7.83		ND	ND	26.1	0.108	ND	ND	37.6	118	ND	0.042	ND	0.05	ND	ND	26	
Cove below Shaw	2020-11-24	9:25	7.506	11.41	260.7	130.32	7.506		2.64	ND	ND	27.2	0.136	ND	ND	38.7	119	ND	0.078	ND	0.029	ND	ND	24
Cove below Shaw	2020-12-02	10:05	4.446	10.02	261.3	131.726	7.49		0.74	ND	ND	19.6	0.092	0.328	ND	47.6	110	ND	0.149	ND	0.042	ND	ND	30.7
Cove below Shaw	2020-12-15	9:20	3.487	9.98	260.5	130.693	7.28		ND	ND	ND	23.1	0.092	ND	ND	38.9	127	ND	0.022	ND	0.04	ND	ND	25.5
Cove below Shaw	2020-12-29	10:25	2.651	11.47	231.7	115.846	7.3		0.56	ND	ND	17.7	0.226	0.38	ND	33.7	28	0.13	0.368	ND	0.057	ND	ND	24.4
Shaw take point	2020-07-10	8:20								ND	ND	27.8	0.0077	ND	ND	41.3	192	ND	0.028	ND	0.029	ND	ND	24.4
Shaw take point	2020-07-23	10:10	27.127	8.04	260.4	169.284	8.86			ND	ND	29.1	0.125	ND	ND	43.8	123	ND	0.043	ND	0.027	ND	ND	23.7
Shaw take point	2020-08-06	12:30	27.124	8.33	260.4		8.71			ND	ND	29.2	0.093	ND	ND	44.1	122	ND	0.03	ND	0.028	ND	ND	24
Shaw take point	2020-08-11	14:20	29.68	10.7	259	168	9.28			ND	ND	29.4	0.089	0.288	ND	44.5	150	ND	0.051	ND	0.026	ND	ND	22.9
Shaw take point	2020-08-20	11:05	29.976	10.3	260	169	9.16			ND	ND	29.6	0.105	ND	ND	44.8	121	0.12	0.033	ND	0.027	ND	ND	23.5
Shaw take point	2020-08-27	10:30	26.249	8.22	263.7	170.97	8.45			ND	ND	29.4	0.093	ND	ND	44	146	0.65	0.032	ND	0.029	ND	ND	24.3
Shaw take point	2020-09-03	11:05	24.413	8.18	259.7	168.89	8.17			ND	ND	28.7	0.091	ND	ND	42.5	149	3.1	0.017	ND	0.029	ND	ND	23.4
Shaw take point	2020-09-10	9:48	25.032	7.95	263.3	171.008	8.24			ND	ND	29.2	0.096	ND	ND	43.9	141	0.16	0.027	ND	0.029	ND	ND	23
Shaw take point	2020-09-17	10:40	22.622	8.29	263.9	171.527	8.26			ND	ND	28.7	0.125	0.751	ND	45.9	139	0.22	0.028	ND	0.03	ND	ND	24.3
Shaw take point	2020-09-22	11:13	20.449	8.68	262.7	170.75	8.26			ND	ND	30.2	0.091	ND	ND	42.5	160	ND	0.072	ND	0.032	ND	ND	24.2
Shaw take point	2020-10-01	10:20	19.836	8.54	263.5	171.309	7.64			ND	ND	30.3	0.052	ND	ND	44.1	146	0.12	0.155	ND	0.034	ND	ND	24.3
Shaw take point	2020-10-08	8:50	17.072	8.6	262.3	170.646	7.29			ND	ND	33.4	0.055	ND	ND	37.6	138	ND	0.085	ND	0.03	ND	ND	24.2
Shaw take point	2020-10-15	8:55	16.717	8.75	266.6	173.12	7.19			ND	ND	26.5	0.106	3.88	ND	40.7	145	ND	0.054	ND	0.031	ND	ND	23.8
Shaw take point	2020-10-22	9:15	16.493	8.39	266.1	172.947	6.97	1.07	ND	ND	25.6	0.114	ND	ND	39.8	144	ND	0.037	ND	0.034	ND	ND	23.9	
Shaw take point	2020-10-29	7:50	14.685	8.38	268.9	174.794	7.14	1.09	ND	ND	26	0.111	ND	ND	39.7	134	ND	0.084	ND	0.03	ND	ND	24.2	
Shaw take point	2020-11-05	10:40	13.413		260.3	170.268	7.45	3.476	0.56	ND	ND	25.4	0.124	ND	ND	38.5	126	ND	0.29	ND	0.043	ND	ND	25.1
Shaw take point	2020-11-10	10:00	13.642		263.6	171.26	7.4	2.287	0.37	ND	ND	27.3	0.116	ND	ND	39.5	162	ND	0.053	ND	0.03	ND	ND	24.8
Shaw take point	2020-11-18	9:50	8.095	9.22	259.9	130.312	7.15		ND	ND	26.3	0.099	ND	ND	37.8	148	ND	0.023	ND	0.031	ND	ND	23.3	
Shaw take point	2020-11-24	9:55	10.204	9.44	264.5	132.246	7.59		3.85	ND	ND	26.8	0.098	ND	ND	38.3	118	ND	0.074	ND	0.03	ND	ND	23.3
Shaw take point	2020-12-02	10:30	7.96	9.78	268.3	134.084	7.58		0.51	ND	ND	20.7	0.09	0.114	ND	37.6	112	ND	0.09	ND	0.048	ND	ND	23.6
Shaw take point	2020-12-15	9:50	5.922	6.94	269.9	134.93	7.77		ND	ND	ND	29.1	0.101	ND	ND	42.7	156	ND	0.16	ND	0.036	ND	ND	26.2
Shaw take point	2020-12-29	10:40	4.591	11.9	270	135.224	7.86		ND	ND	ND	27.1	0.097	ND	ND	41.2	103	ND	0.014	ND	0.032	ND	ND	22.5
Poke Run US of Shaw	2020-07-10	7:55								ND	ND	27.7	0.077	ND	ND	41	408	3.6	0.034	ND	0.029	ND	ND	24.1
Poke Run US of Shaw	2020-07-23	8:45	27.09	7.93	258.5	168.039	8.67		0.11	ND	ND	28.7	0.086	ND	ND	43.1	133	0.14	0.039	ND	0.028	ND	ND	23.4
Poke Run US of Shaw	2020-08-06	11:50	27.2	8.75	258.5		8.67			ND	ND	29.4	0.091	ND	ND	44.3	132	ND	0.049	ND	0.03	ND	ND	23.8
Poke Run US of Shaw	2020-08-11	13:00	29.061	9.42	260.9		8.89			ND	ND	29.3	0.097	ND	ND	43.8	116	ND	0.052	ND	0.029	ND	ND	24.3

Site Description	Sample Date	Sample time	Field	Field DO	Field SPC	Field	Field	Field	TK Nitrogen	Ammonia	Bromide	Chloride	Fluoride	Nitrate	Nitrite	Sulfate	TDS	Phosphorous	Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	
			Water	Conductivity	TDS	pH	(RFU)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
			Temp (°C)	(mg/L)	(uS/cm)	(mg/L)													s (mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Poke Run US of Shaw	2020-08-20	9:20	25.546	7.87	264	171	8.23			ND	ND	29.7	0.088	ND	ND	44.8	117	ND	0.055	ND	0.032	ND	ND	23.8	
Poke Run US of Shaw	2020-08-27	9:35	26.104	9.14	262.7	170.69	8.6			ND	ND	29.7	0.112	ND	ND	43.6	151	0.1	0.482	ND	0.038	ND	ND	23.9	
Poke Run US of Shaw	2020-09-03	10:20	24.445	8.01	261	169.56	8.11			ND	ND	29.7	0.176	ND	ND	43.8	149	ND	0.034	ND	0.03	ND	ND	23.5	
Poke Run US of Shaw	2020-09-10	8:47	25.164	8.59	263.7		8.47			ND	ND	29.2	0.102	ND	ND	43.7	118	0.14	0.043	ND	0.029	ND	ND	22.5	
Poke Run US of Shaw	2020-09-17	9:30	22.544	8.4	263.5	171.313	8.41			ND	ND	29.3	ND	ND	ND	3.5	129	0.32	0.032	ND	0.031	ND	ND	24.7	
Poke Run US of Shaw	2020-09-22	10:18	21.25	9.2	263.9	171.52	8.858			ND	ND	30.7	0.074	ND	ND	45.4	156	ND	0.052	ND	0.031	ND	ND	24.5	
Poke Run US of Shaw	2020-10-01	9:40	19.181	8.15	263.3	171.072	7.4			ND	ND	30.5	0.79	0.193	ND	44.3	130	ND	0.107	ND	0.034	ND	ND	24.4	
Poke Run US of Shaw	2020-10-08	8:10	17.026	8.52	261.9	170.695	7.49			ND	ND	31.1	0.055	ND	ND	29.8	126	ND	0.119	ND	0.031	ND	ND	24.3	
Poke Run US of Shaw	2020-10-15	8:12	16.032	8.14	265.2	172.391	7.44			ND	ND	27	0.186	4.11	ND	41.4	145	ND	0.053	ND	0.032	ND	ND	23.9	
Poke Run US of Shaw	2020-10-22	8:25	15.916	8.11	266.4	173.439	7.4		0.89	ND	ND	27.9	0.12	ND	ND	42.7	157	ND	0.07	ND	0.033	ND	ND	24.8	
Poke Run US of Shaw	2020-10-29	7:10	14.815	9.04	259.5	168.768	7.42		0.43	ND	ND	25.9	0.107	ND	ND	39.6	142	ND	0.092	ND	0.032	ND	ND	24.3	
Poke Run US of Shaw	2020-11-05	9:40	13.431		262.5	170.9	7.05	3.602	0.35	ND	ND	27.1	0.111	ND	ND	40.1	123	ND	0.121	ND	0.035	ND	ND	25.8	
Poke Run US of Shaw	2020-11-10	9:10	12.902	8.56	261.3	169.95	7.49	3.105	ND	ND	ND	27.4	0.107	ND	ND	39.8	145	ND	0.072	ND	0.031	ND	ND	25	
Poke Run US of Shaw	2020-11-18	9:00	7.22	11.04	262.8	131.653	7.72			ND	ND	27.2	0.1	ND	ND	36.9	106	ND	0.107	ND	0.033	ND	ND	24.5	
Poke Run US of Shaw	2020-11-24	9:05	8.769	10.18	264.4	132.243	7.76			ND	ND	27.9	0.112	0.134	ND	37.7	130	ND	0.083	ND	0.035	ND	ND	26.2	
Poke Run US of Shaw	2020-12-02	9:10	4.31	10.78	291.5	146.338	7.66			ND	ND	ND	41.4	0.083	432	ND	32.1	154	ND	0.347	ND	0.047	ND	ND	23.9
Poke Run US of Shaw	2020-12-15	8:50	5.32	10.85	261.1	135.09	7.3			ND	ND	ND	33.2	0.09	0.289	ND	36.5	109	ND	0.052	ND	0.038	ND	ND	24.9
Poke Run US of Shaw	2020-12-29	10:00	2.896	11.89	259.1	129.73	7.38			ND	ND	ND	43.9	0.051	1.06	ND	23.9	81	ND	0.074	ND	0.038	ND	ND	16
Intake WTP sink	2020-07-09	8:25								ND	ND	27	0.626	ND	ND	27.5	195	ND	0.012	ND	0.029	ND	ND	ND	22.8
Intake WTP sink	2020-07-23	11:35								0.102	ND	28.7	0.073	0.301	ND	41	130	ND	0.02	ND	0.029	ND	ND	ND	22.5
Intake WTP sink	2020-08-06	13:15	22.3	7.51	294		7.3			ND	ND	29.3	0.08	0.113	ND	42.4	133	ND	0.022	ND	0.03	ND	ND	ND	22.5
Intake WTP sink	2020-08-11	11:25	24.3	7.38	294.1		7.4			ND	ND	29.0	0.087	0.17	ND	41.4	103	ND	0.028	ND	0.029	ND	ND	ND	22.5
Intake WTP sink	2020-08-20	12:30	23.7	7.9	293		7.5			ND	ND	29.8	0.087	ND	ND	43.4	142	ND	0.022	ND	0.031	ND	ND	ND	24
Intake WTP sink	2020-08-27	8:40	22.8	7.37	295		7.54			ND	ND	29.6	0.102	ND	ND	42.2	155	0.19	0.037	ND	0.033	ND	ND	ND	23.5
Intake WTP sink	2020-09-03	11:45	23.4	7.89	266.4		7.6			ND	ND	29	0.094	ND	ND	42.2	147	ND	0.02	ND	0.031	ND	ND	ND	23.4
Intake WTP sink	2020-09-10	7:50	23.5	7.95	295.7		7.6			ND	ND	29.1	0.086	ND	ND	42.3	124	ND	0.02	ND	0.031	ND	ND	ND	23.1
Intake WTP sink	2020-09-17	11:40	23.5	8	297.1		7.7			ND	ND	28.7	0.083	ND	ND	43.6	131	ND	0.016	ND	0.031	ND	ND	ND	24.1
Intake WTP sink	2020-09-22	11:55	21.3	7.63	29.6		7.7			ND	ND	30.5	0.082	ND	ND	42	139	ND	0.019	ND	0.03	ND	ND	ND	23.5
Intake WTP sink	2020-10-01	8:45	21.1	6.47	298.7		7.6			ND	ND	30.3	0.057	ND	ND	43.7	118	ND	0.025	ND	0.032	ND	ND	ND	24.2
Intake WTP sink	2020-10-08	9:35	18.3	6.7	297.9		7.6			ND	ND	31	0.055	ND	ND	39.5	131	ND	0.023	ND	0.03	ND	ND	ND	24.2
Intake WTP sink	2020-10-15	9:30	18.8	6.24	297		7.6			ND	ND	26.6	0.104	2.92	ND	40.5	150	ND	0.04	ND	0.034	ND	ND	ND	24.1
Intake WTP sink	2020-10-22	10:20	16.337	9.34	264.5	171.917	7.56		0.59	ND	ND	28	0.136	ND	ND	42.7	151	0.23	0.099	ND	0.045	ND	ND	ND	24.7
Intake WTP sink	2020-10-29	8:40	16.4	8.97	297.2		7.5		0.41	ND	ND	26.2	0.112	ND	ND	39.7	126	ND	0.035	ND	0.031	ND	ND	ND	24.3
Intake WTP sink	2020-11-05	9:15	13.9	7.01	295		7.55		0.42	ND	ND	27	0.108	ND	ND	39.6	133	ND	0.15	ND	0.033	ND	ND	ND	25.5
Intake WTP sink	2020-11-10	11:30	14.7	7.6	295.1		7.3			ND	ND	27.1	0.114	ND	ND	39.5	142	ND	0.03	ND	0.03	ND	ND	ND	24.7
Intake WTP sink	2020-11-18	8:15	12.7	8.81	273.57	136.78	7.21			ND	ND	26.7	0.104	ND	ND	38.1	142	ND	0.025	ND	0.034	ND	ND	ND	24.6
Intake WTP sink	2020-11-24	8:00	11.9	9.05	275.12	137.56	7.24			ND	ND	27	0.113	ND	ND	38.5	104	ND	0.033	ND	0.032	ND	ND	ND	25.9
Intake WTP sink	2020-12-02	8:25	10.5	9.63	275.65	137.82	7.5			ND	ND	ND	27.4	0.097	ND	ND	40.5	122	ND	0.042	ND	0.034	ND	ND	25.2
Intake WTP sink	2020-12-15	8:10	8.4	10.16	320		7.6			ND	ND	ND	29.3	0.1	ND	ND	42.9	201	ND	0.018	ND	0.036	ND	ND	26.1
Intake WTP sink	2020-12-29	9:15	5.9	10.91	319.4		7.6			ND	ND	ND	27	0.093	0.127	ND	41.5	115	ND	0.03	ND	0.033	ND	ND	22.8

Notes:

TK Nitrogen-Total Kjeldahl Nitrogen which is the sum of ammonia-nitrogen plus organic nitrogen

ND-Below reporting limit of method
 NS-Not scheduled
 DO-Dissolved oxygen
 US-Upstream
 WTP-Water treatment plant
 TDS-Total Dissolved solids
 MDC-Minimum detectable concentration
 FDOM-Fluorescent Dissolved organic matter
 RFU-relative fluorescence units

Cove below Shaw 40.4966 -79.570 Main Tributary downstream of Shaw pad
 Shaw take point 40.5055 -79.558 Water take pt. 2 east of Aikens
 Poke Run US of Shaw 40.4947 -79.578 Main cove from Poke Run upstream of Shaw pad

* sVOCs sampled from plastic instead of glass container due to sampling error.
 † chloroform 31.3 ug/L bromodichloromethane 5.65 ug/L From sink fumes which include chlorinated or finished water. Confirmed with field blank
 2020-9-22 PokeRun sample was anomalous for bromide, fluoride and sulfate. Original sample was re-analyzed within hold time. The results listed above are the re-run results. MAWC and the lab are investigating corrective actions.
 Note that TKN added starting with 10/15 sample to gather more organic loading information from Poke Run. Lab did not start analysis until 10/22 sample.
 11-5-20 DO sensor malfunction.
 Note high 2020-12-2 Poke Run Nitrate and Cove below Shaw gross alpha currently being investigated with lab

Site Description	Sample Date	time	Chromium (mg/L)	Cobalt (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Magnesium (mg/L)	Molybdenum (mg/L)	Potassium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)	Vanadium (mg/L)	Mercury (mg/L)	VOC (ug/L)	sVOC (ug/L)	Gross Alpha (pCi/L) [MDC]	Gross Beta (pCi/L) [MDC]	Radium-226 (pCi/L) [MDC]	Radium-228 (pCi/L) [MDC]	Total Uranium (ug/L) [MDC]
Cove below Shaw	2020-07-10	8:10	ND	ND	0.0649	ND	ND	0.047	5.77	ND	1.78	ND	15.8	0.085	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-07-23	9:45	ND	ND	0.161	ND	ND	0.039	5.08	ND	1.59	ND	14.5	0.078	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-08-06	12:15	ND	ND	0.112	ND	ND	0.037	5.37	ND	1.54	ND	15.1	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-08-11	13:30	ND	ND	0.17	ND	ND	0.040	5.2	ND	1.63	ND	14.9	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-08-20	9:45	ND	ND	0.661	ND	ND	0.055	5.44	ND	1.65	ND	15.4	0.08	ND	ND	ND	ND	0.403 ± 0.857 [2.01]	0.227 ± 0.703 [1.65]	0.0557 ± 0.328 [0.669]	2.48 ± 0.730 [0.872]	0.151 ± 0.008 [0.262]
Cove below Shaw	2020-08-27	10:00	ND	ND	0.0892	ND	ND	0.031	5.43	ND	1.59	ND	14.8	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-09-03	10:40	ND	ND	0.295	ND	ND	0.201	5.22	ND	1.73	ND	14	0.086	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-09-10	9:20	ND	ND	0.0571	ND	ND	0.024	5.13	ND	1.59	ND	14.6	0.082	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-09-17	10:10	ND	ND	0.0615	ND	ND	5.44	0.03	ND	1.75	ND	16	0.086	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-09-22	10:50	ND	ND	0.441	ND	ND	5.35	0.181	ND	1.77	ND	15.3	0.087	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-10-01	8:52	ND	ND	1.13	ND	ND	5.53	0.298	ND	1.93	ND	15.9	0.085	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-10-08	8:30	ND	ND	0.163	ND	ND	5.44	0.088	ND	1.69	ND	15.7	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-10-15	8:30	ND	ND	0.152	ND	ND	5.33	0.066	ND	1.77	ND	15.3	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-10-22	8:50	ND	ND	0.0642	ND	ND	5.43	0.042	ND	1.77	ND	15.6	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-10-29	7:30	ND	ND	0.115	ND	ND	5.33	0.093	ND	1.65	ND	15	0.078	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-11-05	9:40	ND	ND	0.47	ND	ND	5.75	1.08	ND	2.25	ND	16.2	0.089	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-11-10	9:30	ND	ND	2.06	ND	ND	5.64	1.77	ND	2.07	ND	15.2	0.082	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-11-18	9:30	ND	ND	2.41	ND	ND	5.72	0.536	ND	1.96	ND	15.1	0.095	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-11-24	9:25	ND	ND	0.265	ND	ND	5.41	0.201	ND	1.66	ND	14.7	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-12-02	10:05	ND	ND	0.576	ND	ND	5.63	0.314	ND	1.87	ND	11.9	0.098	ND	ND	ND	ND	568 ± 126 [38.6]	23.2 ± 26.9 [32.2]	0.475 ± 0.482 [0.730]	0.475 ± 0.482 [0.730]	0.147 ± 0.016 [2.620]
Cove below Shaw	2020-12-15	9:20	ND	ND	0.959	ND	ND	5.67	0.545	ND	1.74	ND	13.3	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Cove below Shaw	2020-12-29	10:25	ND	ND	1.87	ND	ND	4.27	0.97	ND	1.54	ND	9.08	0.076	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-07-10	8:20	ND	ND	0.0519	ND	ND	0.038	5.37	ND	1.7	ND	14.9	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-07-23	10:10	ND	ND	0.0568	ND	ND	0.022	5.09	ND	1.58	ND	14.6	0.078	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-08-06	12:30	ND	ND	0.0421	ND	ND	0.032	5.31	ND	1.55	ND	14.7	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-08-11	14:20	ND	ND	0.0802	ND	ND	0.034	5.15	ND	1.62	ND	14.7	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-08-20	11:05	ND	ND	0.0488	ND	ND	0.031	5.32	0.009	1.6	ND	15.3	0.079	ND	ND	ND	ND	-0.496 ± 0.782 [2.56]	1.49 ± 0.922 [1.70]	-0.173 ± 0.407 [0.913]	1.16 ± 0.517 [0.860]	0.152 ± 0.008 [0.262]
Shaw take point	2020-08-27	10:30	ND	ND	0.0476	ND	ND	0.028	5.52	ND	1.61	ND	15.1	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-09-03	11:05	ND	ND	0.0228	ND	ND	0.018	5.2	ND	1.72	ND	14.5	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-09-10	9:48	ND	ND	0.0571	ND	ND	0.028	5.13	ND	1.59	ND	14.6	0.082	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-09-17	10:40	ND	ND	0.0455	ND	ND	5.49	0.016	ND	1.82	ND	16	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-09-22	11:13	ND	ND	0.122	ND	ND	5.37	0.056	ND	1.76	ND	15.3	0.088	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-10-01	10:20	ND	ND	0.281	ND	ND	5.48	0.04	ND	1.8	ND	15.9	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-10-08	8:50	ND	ND	0.174	ND	ND	5.41	0.037	ND	1.67	ND	15.5	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-10-15	8:55	ND	ND	0.249	ND	ND	5.26	0.137	ND	1.74	ND	15	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-10-22	9:15	ND	ND	1.5	ND	ND	5.56	0.68	ND	1.73	ND	14.6	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-10-29	7:50	ND	ND	0.15	ND	ND	5.38	0.038	ND	1.68	ND	15.3	0.079	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-11-05	10:40	ND	ND	3.58	ND	ND	5.59	1.01	ND	1.9	ND	14.5	0.085	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-11-10	10:00	ND	ND	0.132	ND	ND	5.53	0.09	0.009	1.69	ND	15.4	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-11-18	9:50	ND	ND	0.487	ND	ND	5.27	0.254	ND	1.71	ND	16.4	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-11-24	9:55	ND	ND	0.143	ND	ND	5.29	0.232	ND	1.65	ND	14.6	0.079	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-12-02	10:30	ND	ND	5.16	ND	ND	5.91	1.2	ND	1.68	ND	11.1	0.084	ND	ND	ND	ND	-1.80 ± 7.86 [24.81]	11.8 ± 10.8 [22.1]	0.264 ± 0.318 [0.486]	0.280 ± 0.387 [0.831]	0.081 ± 0.022 [2.620]
Shaw take point	2020-12-15	9:50	ND	ND	0.0746	ND	ND	5.88	0.405	ND	1.86	ND	16.6	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Shaw take point	2020-12-29	10:40	ND	ND	0.0667	ND	ND	5.06	0.36	ND	1.57	ND	14	0.075	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-07-10	7:55	ND	ND	0.0748	ND	ND	0.032	5.32	ND	1.65	ND	14.7	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-07-23	8:45	ND	ND	0.0708	ND	ND	0.041	5.04	ND	1.57	ND	14.5	0.078	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-08-06	11:50	ND	ND	0.0752	ND	ND	0.057	5.2	ND	1.62	ND	15.4	0.082	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-08-11	13:00	ND	ND	0.112	ND	ND	0.038	5.37	ND	1.52	ND	15.1	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS

Site Description	Sample Date	time	Chromium (mg/L)	Cobalt (mg/L)	Iron (mg/L)	Lead (mg/L)	Lithium (mg/L)	Manganese (mg/L)	Magnesium (mg/L)	Molybdenum (mg/L)	Potassium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Strontium (mg/L)	Vanadium (mg/L)	Mercury (mg/L)	VOC (ug/L)	sVOC (ug/L)	Gross Alpha (pCi/L) [MDC]	Gross Beta (pCi/L) [MDC]	Radium-226 (pCi/L) [MDC]	Radium-228 (pCi/L) [MDC]	Total Uranium (ug/L) [MDC]
Poke Run US of Shaw	2020-08-20	9:20	ND	ND	0.125	ND	ND	0.058	5.43	ND	1.63	ND	15.6	0.081	ND	ND	ND	*ND	2.26 ± 1.50 [2.45]	3.59 ± 1.34 [1.79]	-0.133 ± 0.336 [0.736]	1.04 ± 0.586 [1.09]	0.176 ± 0.008 [0.262]
Poke Run US of Shaw	2020-08-27	9:35	ND	ND	0.943	ND	ND	0.286	5.46	ND	1.65	ND	14.8	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-09-03	10:20	ND	ND	0.0878	ND	ND	0.060	5.29	ND	1.77	ND	14.9	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-09-10	8:47	ND	ND	0.0909	ND	ND	0.033	5.01	ND	1.57	ND	14.4	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-09-17	9:30	ND	ND	0.0744	ND	ND	5.58	0.033	ND	1.79	ND	16.1	0.087	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-09-22	10:18	ND	ND	0.102	ND	ND	5.43	0.048	ND	1.8	ND	15.7	0.088	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-10-01	9:40	ND	ND	0.219	ND	ND	5.51	0.076	ND	1.8	ND	15.8	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-10-08	8:10	ND	ND	0.252	ND	ND	5.43	0.055	ND	1.7	ND	15.7	0.085	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-10-15	8:12	ND	ND	0.101	ND	ND	5.27	0.042	ND	1.76	ND	15.3	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-10-22	8:25	ND	ND	0.156	ND	ND	5.5	0.059	ND	1.78	ND	15.6	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-10-29	7:10	ND	ND	0.164	ND	ND	5.39	0.056	ND	1.69	ND	15.4	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-11-05	9:40	ND	ND	0.236	ND	ND	5.59	0.312	ND	1.93	ND	16.1	0.086	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-11-10	9:10	ND	ND	0.161	ND	ND	5.57	0.101	ND	1.71	ND	15.7	0.082	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-11-18	9:00	ND	ND	0.251	ND	ND	5.57	0.114	0.008	1.77	ND	15.8	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-11-24	9:05	ND	ND	0.206	ND	ND	5.95	0.199	ND	1.86	ND	16.5	0.09	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-12-02	9:10	ND	ND	0.947	ND	ND	5.57	0.384	ND	1.95	ND	22.8	0.09	ND	ND	ND	ND	-0.812 ± 3.72 [10.6]	0.640 ± 2.71 [6.61]	0.266 ± 1.21 [0.720]	1.97 ± 1.49 [2.94]	0.107 ± 0.013 [2.620]
Poke Run US of Shaw	2020-12-15	8:50	ND	ND	0.425	ND	ND	5.86	0.314	ND	1.86	ND	17.6	0.087	ND	ND	ND	ND	NS	NS	NS	NS	NS
Poke Run US of Shaw	2020-12-29	10:00	ND	ND	0.405	ND	ND	4.11	0.211	ND	1.45	ND	18	0.061	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-07-09	8:25	ND	ND	0.0223	ND	ND	0.042	5.02	ND	1.57	ND	14.5	0.075	ND	ND	+	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-07-23	11:35	ND	ND	0.0376	ND	ND	0.110	4.86	ND	1.55	ND	14.4	0.075	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-08-06	13:15	ND	ND	0.0384	ND	ND	0.159	5.11	ND	1.6	ND	14.6	0.08	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-08-11	11:25	ND	ND	0.053	ND	ND	0.148	4.98	ND	1.53	ND	14	0.078	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-08-20	12:30	ND	ND	0.0372	ND	ND	0.135	5.46	ND	1.66	ND	15.7	0.082	ND	ND	ND	ND	0.909 ± 0.909 [1.64]	1.38 ± 0.988 [1.89]	0.146 ± 0.437 [0.810]	0.684 ± 0.493 [0.964]	0.148 ± 0.008 [0.262]
Intake WTP sink	2020-08-27	8:40	ND	ND	0.0741	ND	ND	0.552	5.29	ND	1.59	ND	14.7	0.077	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-09-03	11:45	ND	ND	0.0344	ND	ND	0.122	5.19	ND	1.74	ND	14.8	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-09-10	7:50	ND	ND	0.0499	ND	ND	0.125	5.14	ND	1.62	ND	14.8	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-09-17	11:40	ND	ND	0.0315	ND	ND	5.41	0.089	ND	1.76	ND	15.9	0.085	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-09-22	11:55	ND	ND	0.0335	ND	ND	5.22	0.092	ND	1.71	ND	15	0.085	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-10-01	8:45	ND	ND	0.0455	ND	ND	5.43	0.104	ND	1.75	ND	15.8	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-10-08	9:35	ND	ND	0.0497	ND	ND	5.38	0.136	ND	1.67	ND	15.6	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-10-15	9:30	ND	ND	0.0564	ND	ND	5.31	0.154	ND	1.76	ND	15.4	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-10-22	10:20	ND	ND	2.42	ND	ND	5.41	0.196	ND	1.74	ND	15.4	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-10-29	8:40	ND	ND	0.0641	ND	ND	5.37	0.297	ND	1.73	ND	15.5	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-11-05	9:15	ND	ND	0.0402	ND	ND	5.54	0.383	ND	1.89	ND	16	0.086	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-11-10	11:30	ND	ND	0.0426	ND	ND	5.51	0.16	ND	1.68	ND	15.5	0.081	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-11-18	8:15	ND	ND	0.0432	ND	ND	5.57	0.154	ND	1.69	ND	16.1	0.084	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-11-24	8:00	ND	ND	0.0641	ND	ND	5.84	0.228	ND	1.8	ND	16.1	0.087	ND	ND	ND	NS	NS	NS	NS	NS	NS
Intake WTP sink	2020-12-02	8:25	ND	ND	0.0704	ND	ND	5.67	0.329	ND	1.81	ND	16.1	0.086	ND	ND	ND	ND	0.600 ± 1.42 [3.38]	2.39 ± 1.34 [2.35]	0.0710 ± 0.324 [0.660]	0.0790 ± 0.435 [0.988]	0 ± 0 [2.620]
Intake WTP sink	2020-12-15	8:10	ND	ND	0.0685	ND	ND	5.84	0.405	ND	1.84	ND	16.5	0.083	ND	ND	ND	ND	NS	NS	NS	NS	NS
Intake WTP sink	2020-12-29	9:15	ND	ND	0.0575	ND	ND	5.1	0.346	ND	1.57	ND	14.1	0.075	ND	ND	ND	ND	NS	NS	NS	NS	NS

Notes:
 TK Nitrogen-Total Kjeldahl Nitrogen which is the su ammonia-nitrogen plus organic nitrogen
 ND-Below reporting limit of method
 NS-Not scheduled
 DO- Dissolved oxygen
 US-Upstream
 WTP-Water treatment plant
 TDS-Total Dissolved solids
 MDC-Minimum detectable concentration
 FDOM-Fluorescent Dissolved organic matter
 RFU-relative fluorescence units