

Table 1. Geochemical characteristics from 2017-2019

Sampling date	February 27, 2017					March 1, 2018					March 7, 2019				
Site	FS1	FS2	FS3	FS4	FS5	FS1	FS2	FS3	FS4	FS5	FS1	FS2	FS3	FS4	FS5
SWE	88%					110%					124%				
Temp (C)	78	78	75	77	66	71	74	73	71	64	75.1	80.3	79.8	80	70
pH	9	8	8	8	8	9	8.5	8.5	8.5	8.5	8.8	8.4	8.4	8.4	8.5
DO (mg/ L)	1.7	1.3	1.2	1.3	1.5	0.2	0.2	0.7	0.2	0.8	2.2	0.4	0.5	0.5	4.4
Chloride (mg/L)	216	224.6	234.3	243.1	246.8	253.4	256.2	263.4	255.1	256.5	277.1	296.1	277.2	272	291.1
Sulfate (mg/L)	12.4	12.8	13.3	13.6	14	14.3	14.6	14.7	14.8	15.2	11.7	11.3	11.5	11.4	12
Sodium (mg/L)	158.8	143.3	144.2	157.4	157	140.8	152.4	141.7	161.2	158.1	169.3	170.1	173.6	170	168.2
Potassium (mg/L)	6.9	6.6	6.9	6.7	6.7	6.4	6.8	6.2	7.1	7.2	6.3	6	7.2	7.2	7.4
Zinc (ug/L)	9.5	12.1	11.4	11.5	12	22.4	18.4	19.2	21.9	14.6	19	22	20	16	18
Arsenic (ug/L)	750	670	677	731	715	698	740	667	771	771	800	790	770	780	770
Molybdenum (ug/L)	11.7	11.8	12.3	11.8	11.8	11.7	12.4	11.2	13	13	12	13	12	12	13
TC (mg/L)	45.3	55.3	55.2	55.3	55.7	44.7	54.5	54.1	54.8	54.4	45.7	57	56.6	56	55.4
TN (ppm)	0.20	0.08	0.08	0.09	0.09	0.05	0.06	0.06	0.05	0.05	0.13	0.1	0.1	0.1	0.1
Inorganic Carbon (mg/L)	43.9	54.4	55.2	54.4	55.5	45.3	55	52.4	52.9	54.9	44.1	53.6	53.7	54.3	53.7
NPOC (mg/L)	1.1	0.3	0.2	0.4	0.3	0.4	0.5	0.3	0.5	0.3	0.8	0.6	0.6	0.6	0.5
NH4 (ug N/L)	25	23.1	21.5	23.6	27.8	14	29	20	24	17	32	26	26	24	17

SWE denotes snow water equivalent percentage of the median for the previous year. DO is dissolved oxygen. TC is total carbon. TN is total nitrogen. NPOC is non-purgeable organic carbon.