Sample ID Convention	Area	Represents	Sampling Date	Total Tin (Sn)	Total Titanium (Ti)	Total Uranium (U)	Total Vanadium (V)	Total Zinc (Zn)	Total Zirconium (Zr)	Total Tungsten (W)	Total Thorium (Th)	Total Lanthanum (La)	Total Cesium (Cs)	Total Tellurium (Te)	Total Rubidium (Rb)	Dissolved Hardness (CaCO3)	Dissolved Aluminum (Al)
Units				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
DL				***0.0002***	***0.0005***	***0.000002***	***0.0002***	***0.0001***	***0.0001***	***0.0001***	***0.0001***	***0.0004***	***0.00001***	***0.0002***	***0.0002***	***0.5***	***0.0005***
Seep-11	Waste rock pad	Contact water	6/15/2021	*0.0002*	0.00698	0.0000847	0.0007	0.0063	0.00015							43.1	0.0234
Seep-11	Waste rock pad	Contact water	6/6/2022	0.00074	0.00406	0.0000858	0.00044	0.00579	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	44.5	0.02
Seep-11	Waste rock pad	Contact water	6/11/2023	*0.0002*	0.00447	0.000117	0.00056	0.00713	0.00015	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	87.2	0.0149
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	8/27/2020	*0.0001*	0.0018	0.000978	*0.0005*	0.0058	*0.0002*	*0.0001*	*0.0001*	#N/A	0.000025	*0.0002*	0.00493	#N/A	0.0072
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/29/2021	*0.0002*	0.00104	0.00134	*0.0002*	0.00207	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	166	0.00692
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	9/1/2021	*0.0002*	0.00104	0.00087	*0.0002*	0.00287	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	192	0.00506
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/28/2022	*0.0002*	0.00317	0.00136	*0.0002*	0.00367	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	223	0.00822
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/24/2022	*0.0002*	0.00083	0.00182	*0.0002*	0.00343	0.00013	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	259	0.00883
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/11/2023	*0.0002*	0.00815	0.00068	0.00042	0.00335	0.0001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	168	0.00845
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/8/2023	*0.0002*	0.00184	0.00219	*0.0002*	0.0031	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	242	0.00813
Seep-26	Waste rock pad	WR pad seep-surface flow in tundra	6/12/2023	*0.0002*	0.00108	0.000344	*0.0002*	0.00295	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	149	0.00508
Seep-04	Waste rock pad	WR pad seep-surface flow in tundra	8/1/2020	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.0221
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	*0.0002*	0.00055	0.0000671	*0.0002*	0.00106	0.00017							36.9	0.0277
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/29/2021	*0.0002*	0.00172	0.0000686	*0.0002*	0.00619	0.0002	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	83.6	0.0154
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	9/1/2021	*0.0002*	0.00116	0.0000503	*0.0002*	0.00292	0.00014	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	89.1	0.0155
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	*0.0002*	*0.0005*	0.0000991	0.00027	0.00222	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	96.2	0.0214
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/24/2022	*0.0002*	*0.0005*	0.0000481	*0.0002*	0.00391	0.00011	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	157	0.015
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/12/2023	*0.0002*	*0.0005*	0.0000559	*0.0002*	0.00205	0.00018	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	80.1	0.0174
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	8/27/2020	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.0116
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	*0.0002*	0.00163	0.000133	*0.0002*	0.00119	0.00012							71.2	0.0106
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	*0.0002*	*0.0005*	0.000378	*0.0002*	0.00196	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	168	0.00734
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	*0.0002*	*0.0005*	0.000227	*0.0002*	0.00104	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	124	0.00605
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	*0.0002*	0.00234	0.000157	*0.0002*	0.00104	0.00021							28.5	0.0483
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	*0.0002*	0.00164	0.000125	*0.0002*	0.00282	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	78.6	0.0273
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	7/25/2022	*0.0002*	0.0038	0.000155	*0.0002*	0.005	0.00014	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	128	0.0308
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	*0.0002*	0.0016	0.000135	0.00027	0.00435	0.00015	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	61.9	0.0266
Seep-19	Camp 3	Contact water?	7/30/2021	*0.0002*	*0.0005*	0.000559	*0.0002*	0.00899	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	81.2	0.0128
Ref-03		Camp impacted background	6/14/2022	*0.0002*	0.00112	0.000154	*0.0002*	0.00446	0.00015	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	17.9	0.0723
Ref-03		Camp impacted background	6/13/2023	*0.0002*	*0.0005*	0.0000953	*0.0002*	0.00211	0.00022	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	26.8	0.0549
Ref-03		Camp impacted background	7/3/2023	*0.0002*	*0.0005*	0.000103	*0.0002*	0.00312	0.00027	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	39.3	0.0543
Ref-06		Background	7/3/2022	*0.0002*	*0.0005*	0.000135	*0.0002*	0.00252	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	7.46	0.0473
Ref-06		Background	6/13/2023	*0.0002*	*0.0005*	0.000123	*0.0002*	0.00257	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	7.13	0.0484
Ref-06		Background	7/3/2023	*0.0002*	*0.0005*	0.000157	*0.0002*	0.00409	0.00013	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	11.9	0.0524

Notes

Renamed ID's

Italics <DL

Calculated from other value

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Antimony (Sb)	Dissolved Arsenic (As)	Dissolved Barium (Ba)	Dissolved Beryllium (Be)	Dissolved Bismuth (Bi)	Dissolved Boron (B)	Dissolved Cadmium (Cd)	Dissolved Calcium (Ca)	Dissolved Chromium (Cr)	Dissolved Cobalt (Co)	Dissolved Copper (Cu)	Dissolved Iron (Fe)	Dissolved Lead (Pb)	Dissolved Lithium (Li)
Units				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
DL				***0.00002***	***0.00002***	***0.00002***	***0.00001***	***0.000005***	***0.01***	***0.000005***	***0.05***	***0.0001***	***0.000005***	***0.00005***	***0.001***	***0.000005***	***0.0005***
ULU-8	Ore pad E	Contact water?	7/31/2020	0.00038	0.00174	0.0271	*0.0001*	*0.00005*	0.0503	0.000163	87	0.00012	0.00066	0.00285	0.026	*0.00005*	0.0117
ULU-8	Ore pad E	Contact water?	8/7/2020	0.00032	0.00169	0.0264	*0.0001*	*0.00005*	0.0696	0.000226	83.4	0.00011	0.00131	0.00288	0.029	*0.00005*	0.0116
ULU-8	Ore pad E	Contact water?	8/26/2020	0.00029	0.00173	0.0397	*0.0001*	*0.00005*	0.067	0.000523	131	0.00012	0.00151	0.00237	0.02	*0.00005*	0.0129
ULU-8	Ore pad E	Contact water	6/6/2022	0.0002	0.0021	0.00783	*0.00001*	*0.000005*	0.028	0.0000859	35.3	0.00013	0.00286	0.00359	0.0374	0.0000236	0.00542
ULU-8	Ore pad E	Contact water?	6/12/2023	0.000178	0.000487	0.0136	*0.00001*	*0.000005*	0.04	0.0000412	103	*0.0001*	0.000133	0.00135	0.0047	0.0000104	0.00877
ULU-8	Ore pad E	Contact water	7/3/2023	0.000313	0.000796	0.0159	*0.00001*	*0.000005*	0.067	0.000122	140	0.00012	0.00669	0.00135	0.0117	0.0000097	0.0174
ULU-8A	Ore pad E	Contact water	7/1/2023	0.00057	0.00192	0.0185	*0.00005*	*0.000025*	0.092	0.000546	160	0.00079	0.0594	0.00239	0.0578	0.00045	0.0253
ULU-8A	Ore pad E	Contact water	7/7/2023	0.00051	0.00173	0.0183	*0.00001*	*0.000005*	0.075	0.000244	208	*0.0001*	0.0339	0.00163	0.0083	0.000012	0.018
ULU-8A	Ore pad E	Contact water	7/16/2023	0.000398	0.00208	0.0176	*0.00001*	*0.000005*	0.08	0.00016	133	*0.0001*	0.022	0.00159	0.0114	0.0000129	0.0158
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	9/5/2019	*0.0001*	0.00046	0.0291	*0.0001*	*0.00005*	0.096	0.0000247	112	0.00013	0.0112	0.00097	0.524	*0.00005*	0.015
Seep-01	Ore pad S	Surface flow?	7/31/2020	0.00016	0.00029	0.0223	*0.0001*	*0.00005*	0.0761	0.0000631	74.9	*0.0001*	0.0124	0.00154	0.283	*0.00005*	0.011
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/7/2020	0.00027	0.00033	0.0184	0.363	*0.00005*	0.535	0.000146	95.4	0.00083	0.0435	0.00291	0.12	*0.00005*	0.019
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/26/2020	*0.0001*	0.00067	0.0219	*0.0001*	*0.00005*	0.105	0.0000073	95.1	0.0001	0.0235	0.00089	1.48	*0.00005*	0.0124
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	6/10/2023	0.000032	0.000235	0.00837	*0.00001*	*0.000005*	0.066	0.0000149	26.9	*0.0001*	0.00237	0.00161	0.117	0.0000117	0.00264
Seep-22	Ore pad W	Ore pad sub-surface drainage in tundra?	6/10/2023	*0.00002*	0.000587	0.0188	0.000013	*0.000005*	0.01	0.0000131	36.5	0.00022	0.00508	0.00137	0.851	0.0000508	0.0041
Seep-23	Ore pad E	Ore pad sub-surface drainage in boulders	6/10/2023	0.000113	0.000116	0.00715	*0.00001*	*0.000005*	0.021	0.0000127	35	*0.0001*	0.000883	0.00229	0.166	0.0000088	0.0017
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	7/31/2020	*0.0001*	0.00134	0.02	0.00015	*0.00005*	0.035	0.000191	51.2	*0.0001*	0.101	0.0263	0.017	0.000052	0.0127
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/7/2020	*0.0001*	0.00103	0.0167	0.00016	*0.00005*	0.0496	0.00017	43.5	*0.0001*	0.0756	0.0211	0.049	0.000104	0.0113
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/26/2020	*0.0001*	0.00083	0.0195	*0.0001*	*0.00005*	0.0867	0.000241	50.1	*0.0001*	0.0748	0.0112	0.017	*0.00005*	0.0086
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/16/2021	0.000031	0.000128	0.00631	*0.00001*	*0.000005*	0.015	0.0000374	15.5	*0.0001*	0.0161	0.00296	0.197	0.0000141	0.00232
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/30/2022	0.00003	0.000086	0.00783	0.000025	*0.000005*	0.029	0.000114	22	*0.0001*	0.0361	0.00321	0.0151	0.0000142	0.00471
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/9/2023	*0.00002*	0.000103	0.00587	0.000018	*0.000005*	0.029	0.000043	15.8	*0.0001*	0.0196	0.00351	0.0786	0.000008	0.00365
Seep-05 SW	Ore pad W	Ore pad sub-surface drainage in tundra?	7/22/2023	0.000041	*0.00002*	0.0365	0.000909	*0.000005*	0.082	0.00051	176	*0.0001*	0.251	0.0682	0.0668	0.000156	0.0411
Seep-05 SW +15	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	0.000051	0.000131	0.0261	0.00002	*0.000005*	0.052	0.0000586	47.7	*0.0001*	0.0118	0.00216	0.0792	0.0000056	0.00522
Seep-05 SW-50	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	*0.00002*	0.000046	0.0222	0.000718	*0.000005*	0.052	0.000605	57.2	*0.0001*	0.22	0.0447	0.07	0.000315	0.021
Seep-05 SW-125	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	0.000035	0.000357	0.0143	*0.00001*	*0.000005*	0.012	0.000011	19.3	0.00011	0.000353	0.00183	0.0714	0.0000212	0.00116
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/2/2020	*0.0001*	0.00016	0.0194	*0.0001*	*0.00005*	0.0192	0.0000445	19.6	*0.0001*	0.00016	0.0026	0.013	*0.00005*	0.0011
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/27/2020	*0.0001*	0.00015	0.0223	*0.0001*	*0.00005*	0.0139	0.0000318	22	0.00011	*0.0001*	0.00194	*0.01*	*0.00005*	*0.001*
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/16/2021	*0.00002*	0.000109	0.00609	*0.00001*	*0.000005*	0.012	0.0000058	8.26	*0.0001*	6.02E-05	0.00159	0.0152	0.0000078	*0.0005*
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	9/1/2021	*0.00002*	0.00012	0.0159	*0.00001*	*0.000005*	0.014	0.0000199	18.4	*0.0001*	0.000117	0.00201	0.015	0.0000103	*0.0005*
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/12/2023	*0.00002*	0.000095	0.0112	*0.00001*	*0.000005*	0.016	0.000012	14.9	*0.0001*	3.63E-05	0.00138	0.0096	0.0000067	*0.0005*
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/16/2021	*0.00002*	0.000143	0.00774	*0.00001*	*0.000005*	0.013	*0.000005*	6.57	0.0001	0.000039	0.00195	0.0113	0.0000074	0.00131
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/9/2023	*0.00002*	0.000154	0.00742	0.000011	*0.000005*	0.02	*0.000005*	5.56	0.00011	4.74E-05	0.00283	0.0205	0.000012	0.00111
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/19/2023	0.000035	0.000227	0.0116	0.000013	*0.000005*	0.014	*0.000005*	7.39	0.00019	5.91E-05	0.00373	0.0178	0.000011	0.00153
Seep-03	Camp pad N	Contact water?	7/31/2020	0.00198	0.00196	0.0165	*0.0001*	*0.00005*	0.0464	0.0000373	81.8	*0.0001*	0.0138	0.00306	*0.01*	*0.00005*	0.0076
Seep-21	Camp pad N	Contact water?	6/14/2022	0.000738	0.00139	0.0249	*0.00001*	*0.000005*	0.044	0.0000096	99.7	0.0001	0.00043	0.00158	0.002	0.0000101	0.00855

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Antimony (Sb)	Dissolved Arsenic (As)	Dissolved Barium (Ba)	Dissolved Beryllium (Be)	Dissolved Bismuth (Bi)	Dissolved Boron (B)	Dissolved Cadmium (Cd)	Dissolved Calcium (Ca)	Dissolved Chromium (Cr)	Dissolved Cobalt (Co)	Dissolved Copper (Cu)	Dissolved Iron (Fe)	Dissolved Lead (Pb)	Dissolved Lithium (Li)
Units				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
DL				*0.00002*	*0.00002*	*0.00002*	*0.00001*	*0.000005*	*0.01*	*0.000005*	*0.05*	*0.0001*	*0.000005*	*0.00005*	*0.001*	*0.000005*	*0.0005*
Seep-07	Camp pad N	Contact water	6/14/2021	0.000121	0.000358	0.0106	*0.00001*	*0.000005*	0.022	0.0000164	20.1	*0.0001*	0.0041	0.0022	0.0158	0.0000211	0.00166
Seep-08	Camp pad N	Contact water	6/14/2021	0.000289	0.000349	0.0086	*0.00001*	*0.000005*	0.013	0.0000152	20.8	*0.0001*	0.00206	0.00116	0.009	0.0000189	0.0019
Seep-08	Camp pad N	Contact water	6/13/2022	0.000223	0.000364	0.0166	*0.00001*	*0.000005*	0.018	0.0000237	42.8	*0.0001*	0.00432	0.00198	0.0105	0.0000279	0.00269
Seep-08	Camp pad N	Contact water	6/9/2023	0.000299	0.00038	0.0144	*0.00001*	*0.000005*	0.032	0.0000073	40.6	*0.0001*	0.000198	0.00156	0.0031	0.0000119	0.00234
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2021	0.000192	0.000171	0.00737	*0.00001*	*0.000005*	0.019	0.0000067	26.1	0.00011	0.000177	0.00222	0.0105	0.000013	0.00083
Seep-17	Drill core/Camp pad	Tundra seep	7/29/2021	0.000269	0.000198	0.0137	*0.00001*	*0.000005*	0.027	0.0000118	44.9	*0.0001*	0.000192	0.00218	0.0047	0.000008	0.00166
Seep-17	Drill core/Camp pad	Tundra seep	8/26/2021	0.000263	0.000205	0.0178	*0.00001*	*0.000005*	0.031	0.0000216	62.9	*0.0001*	0.000369	0.00316	0.0072	0.000128	0.00179
Seep-17	Drill core/Camp pad	Tundra seep	9/1/2021	0.000178	0.000194	0.0132	*0.00001*	*0.000005*	0.023	0.0000093	42.9	*0.0001*	0.00012	0.00174	0.0051	0.0000074	0.00137
Seep-17	Drill core/Camp pad	Tundra seep	6/27/2022	0.000266	0.000191	0.012	*0.00001*	*0.000005*	0.025	0.00001	43.1	*0.0001*	0.000318	0.00216	0.0033	0.0000184	0.00176
Seep-17	Drill core/Camp pad	Tundra seep	7/24/2022	0.000442	0.0003	0.0212	*0.00001*	*0.000005*	0.038	0.0000153	78.8	0.00011	0.000421	0.00238	0.0047	0.0000207	0.00315
Seep-17	Drill core/Camp pad	Tundra seep	6/12/2023	0.000221	0.000312	0.00846	*0.00001*	*0.000005*	0.026	0.0000111	33.2	*0.0001*	0.000289	0.00224	0.0042	0.0000147	0.00176
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2023	0.000343	0.000497	0.0124	*0.00001*	*0.000005*	0.026	0.0000113	41.2	*0.0001*	0.000408	0.0031	0.0048	0.0000204	0.00219
Seep-17	Drill core/Camp pad	Tundra seep	7/27/2023	0.000736	0.000522	0.0214	*0.00001*	*0.000005*	0.039	0.0000206	70.4	*0.0001*	0.000345	0.00226	0.0085	0.0000209	0.0037
Seep-18	Drill core/Camp pad	Downstream flow in tundra	7/29/2021	0.000178	0.000194	0.0132	*0.00001*	*0.000005*	0.023	0.0000093	42.9	*0.0001*	0.00012	0.00174	0.0051	0.0000074	0.00137
Seep-18	Drill core/Camp pad	Downstream flow in tundra	8/26/2021	0.000182	0.00019	0.0161	*0.00001*	*0.000005*	0.027	0.0000125	58.9	*0.0001*	0.000273	0.00195	0.0071	0.0000384	0.00149
Seep-18	Drill core/Camp pad	Downstream flow in tundra	9/1/2021	0.000224	0.000186	0.0139	*0.00001*	*0.000005*	0.029	0.000016	57.8	*0.0001*	0.000322	0.0022	0.0122	0.000142	0.00131
Seep-18	Drill core/Camp pad	Downstream flow in tundra	6/27/2022	0.00023	0.000163	0.0121	*0.00001*	*0.000005*	0.021	0.0000084	43.4	*0.0001*	0.000297	0.00189	0.0035	0.0000225	0.00141
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/24/2022	0.00021	0.000265	0.0187	*0.00001*	*0.000005*	0.029	0.0000067	67.5	*0.0001*	0.00025	0.00178	0.0039	0.0000091	0.00154
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/12/2023	0.000191	0.000148	0.00742	*0.00001*	*0.000005*	0.025	*0.000005*	32.1	*0.0001*	0.000227	0.00188	0.0038	0.0000244	0.0011
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/19/2023	0.000258	0.000253	0.0112	*0.00001*	*0.000005*	0.023	0.0000068	39.9	*0.0001*	0.000344	0.00256	0.004	0.000031	0.00137
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/27/2023	0.000206	0.000298	0.0193	*0.00001*	*0.000005*	0.032	0.0000104	63.6	*0.0001*	0.000284	0.00173	0.0075	0.0000081	0.0019
ULU-15	Landfill	Pre-land fill run off from Camp pad S	6/23/2021	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.000218	35.5	0.00016	0.000301	0.00408	0.0894	0.0000674	0.00207
ULU-15	Landfill	Run off from Camp pad S/landfill	6/11/2023	0.000506	0.000837	0.0364	*0.00001*	*0.000005*	0.155	0.000394	129	*0.0001*	0.000304	0.00442	0.0304	0.0000681	0.00254
Seep-16	Portal	Contact water/snow melt	6/19/2021	0.000134	0.0229	0.00328	*0.00001*	*0.000005*	*0.01*	0.0000075	5.46	0.00011	0.000361	0.00115	0.0576	0.0000919	*0.0005*
Seep-24	Portal	Contact water	6/10/2023	0.000088	0.00332	0.0168	*0.00001*	*0.000005*	0.019	0.0000253	28	*0.0001*	0.00135	0.00332	0.0153	0.0000159	0.00375
ULU-4a	Portal	Portal Pond	7/29/2020	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-4a	Portal	Portal Pond	8/26/2020	0.00027	0.00182	0.0125	*0.0001*	*0.00005*	0.0074	0.0000667	18.8	0.00027	0.00208	0.00366	0.12	0.000123	0.0029
ULU-4a	Portal	Portal Pond	9/5/2020	0.00036	0.00256	0.0155	*0.0001*	*0.00005*	0.0097	0.0000652	26.1	0.00062	0.00188	0.00334	0.16	0.00011	0.0032
ULU-4a	Portal	Portal Pond	7/29/2021	0.000178	0.00181	0.011	*0.00001*	*0.000005*	0.011	0.0000635	16.6	0.00017	0.00192	0.00251	0.104	0.000137	0.00322
Seep-09	Waste rock pad	Contact water	6/15/2021	0.000359	0.000931	0.0112	*0.00001*	*0.000005*	0.012	0.0000497	26.5	0.00015	0.00227	0.00141	0.0231	0.0000355	0.00237
Seep-10	Waste rock pad	Contact water	6/15/2021	0.000211	0.00286	0.0115	*0.00001*	*0.000005*	0.036	0.0000203	37.1	*0.0001*	0.00054	0.00201	0.0085	0.0000256	0.00168
Seep-10	Waste rock pad	Contact water	6/6/2022	0.000278	0.00324	0.014	*0.00001*	*0.000005*	0.03	0.0000119	44.9	0.00018	0.000294	0.00258	0.0052	0.0000172	0.0021
Seep-25	Waste rock pad	Contact water	6/11/2023	0.000368	0.00176	0.0237	*0.00001*	*0.000005*	0.042	0.0000167	78.1	*0.0001*	0.000167	0.00287	0.003	0.000013	0.00243
ULU-7	Waste rock pad	Contact water	7/31/2020	0.0005	0.00174	0.0171	*0.0001*	*0.00005*	0.0199	0.0000087	42.2	0.0001	0.00011	0.00299	0.017	*0.00005*	0.0055

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Antimony (Sb)	Dissolved Arsenic (As)	Dissolved Barium (Ba)	Dissolved Beryllium (Be)	Dissolved Bismuth (Bi)	Dissolved Boron (B)	Dissolved Cadmium (Cd)	Dissolved Calcium (Ca)	Dissolved Chromium (Cr)	Dissolved Cobalt (Co)	Dissolved Copper (Cu)	Dissolved Iron (Fe)	Dissolved Lead (Pb)	Dissolved Lithium (Li)
Units				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
DL				*0.00002*	*0.00002*	*0.00002*	*0.00001*	*0.000005*	*0.01*	*0.000005*	*0.05*	*0.0001*	*0.000005*	*0.00005*	*0.001*	*0.000005*	*0.0005*
Seep-11	Waste rock pad	Contact water	6/15/2021	0.000112	0.00119	0.00506	*0.00001*	*0.000005*	0.012	0.0000106	14.1	*0.0001*	0.00195	0.00389	0.0133	0.0000315	0.00149
Seep-11	Waste rock pad	Contact water	6/6/2022	0.000337	0.00296	0.00462	*0.00001*	*0.000005*	0.026	0.0000081	15	*0.0001*	0.00144	0.00421	0.0135	0.0000331	0.00283
Seep-11	Waste rock pad	Contact water	6/11/2023	0.000227	0.000994	0.00828	*0.00001*	*0.000005*	0.036	0.000011	29.3	*0.0001*	0.00166	0.00396	0.0101	0.0000158	0.00226
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	8/27/2020	0.00015	0.00053	0.0237	*0.0001*	*0.00005*	0.0182	0.0000707	63.1	0.00014	0.00012	0.00256	*0.01*	*0.00005*	0.0011
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/29/2021	0.000162	0.000398	0.0167	*0.00001*	*0.000005*	0.019	0.0000215	52.9	0.0001	0.000195	0.00231	0.0028	0.0000126	0.00055
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	9/1/2021	0.000116	0.000375	0.0157	*0.00001*	*0.000005*	0.02	0.0000292	62.1	0.00014	0.000262	0.00219	0.0043	0.0000094	*0.0005*
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/28/2022	0.000177	0.00042	0.0239	*0.00001*	*0.000005*	0.025	0.0000617	75.5	*0.0001*	0.000278	0.00206	0.006	0.0000201	0.00064
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/24/2022	0.000175	0.000484	0.0248	*0.00001*	*0.000005*	0.024	0.0000491	84.6	0.00018	0.000222	0.00233	0.0065	0.0000096	0.00063
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/11/2023	0.000213	0.00036	0.0184	*0.00001*	*0.000005*	0.051	0.0000436	56.9	*0.0001*	0.000146	0.00159	0.0043	0.0000147	0.00057
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/8/2023	0.000185	0.000382	0.0224	*0.00001*	*0.000005*	0.036	0.0000496	78.1	0.00015	0.000186	0.00254	0.0039	0.0000101	0.00062
Seep-26	Waste rock pad	WR pad seep-surface flow in tundra	6/12/2023	0.000169	0.000249	0.0143	*0.00001*	*0.000005*	0.037	0.0000237	50.4	*0.0001*	7.56E-05	0.00145	0.0028	0.0000103	0.00057
Seep-04	Waste rock pad	WR pad seep-surface flow in tundra	8/1/2020	0.00015	0.00063	0.0181	*0.0001*	*0.00005*	0.0073	0.000125	39.6	0.00012	0.00094	0.00276	*0.01*	*0.00005*	*0.001*
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	0.000094	0.00035	0.00726	*0.00001*	*0.000005*	0.014	0.0000121	12.2	*0.0001*	8.17E-05	0.00177	0.0094	0.0000136	*0.0005*
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/29/2021	0.000056	0.00025	0.0138	*0.00001*	*0.000005*	0.019	0.0000361	25.5	*0.0001*	0.00012	0.00173	0.0041	0.0000085	*0.0005*
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	9/1/2021	0.000045	0.000292	0.0152	*0.00001*	*0.000005*	0.022	0.0000565	28.2	*0.0001*	0.000162	0.00176	0.0046	0.0000079	*0.0005*
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	0.000053	0.00025	0.0219	*0.00001*	*0.000005*	0.021	0.0000448	31.2	*0.0001*	0.000399	0.00182	0.0099	0.0000248	*0.0005*
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/24/2022	0.000054	0.000343	0.0243	*0.00001*	*0.000005*	0.025	0.0000729	49.5	0.0001	0.000208	0.00169	0.0148	0.0000083	*0.0005*
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/12/2023	0.000078	0.000364	0.013	*0.00001*	*0.000005*	0.024	0.0000232	26.6	*0.0001*	0.000105	0.00191	0.0066	0.0000138	*0.0005*
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	8/27/2020	0.0002	0.00062	0.0139	*0.0001*	*0.00005*	0.0188	0.0000348	30.4	0.00015	*0.0001*	0.00214	0.02	*0.00005*	*0.001*
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	0.000168	0.000358	0.00769	*0.00001*	*0.000005*	0.014	0.0000263	23.5	*0.0001*	7.82E-05	0.00142	0.0038	0.0000124	*0.0005*
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	0.000122	0.00021	0.0189	*0.00001*	*0.000005*	0.02	0.0000508	55.2	*0.0001*	0.000132	0.00164	0.0024	0.0000142	*0.0005*
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	0.000144	0.000221	0.0119	*0.00001*	*0.000005*	0.034	0.0000225	41.3	*0.0001*	7.44E-05	0.0014	0.0019	0.0000112	*0.0005*
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	0.000046	0.000124	0.00449	0.000015	*0.000005*	*0.01*	0.0000226	8.66	0.00012	0.000111	0.00193	0.0087	0.0000148	*0.0005*
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	0.000044	0.000112	0.0146	0.000017	*0.000005*	*0.01*	0.0000642	23.7	*0.0001*	0.000129	0.00171	0.0048	0.0000158	*0.0005*
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	7/25/2022	0.000046	0.000137	0.022	0.000015	*0.000005*	*0.01*	0.000109	38.1	*0.0001*	0.000141	0.00192	0.0028	0.0000119	*0.0005*
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	0.000049	0.00009	0.00986	0.000016	*0.000005*	0.014	0.0000571	19	*0.0001*	0.000136	0.00154	0.0081	0.0000126	*0.0005*
Seep-19	Camp 3	Contact water?	7/30/2021	0.000049	0.000104	0.0147	*0.00001*	*0.000005*	*0.01*	0.0000086	25.7	*0.0001*	0.000153	0.00172	0.0042	*0.000005*	0.00123
Ref-03		Camp impacted background	6/14/2022	0.000021	0.000113	0.00749	0.00003	*0.000005*	*0.01*	0.0000151	4.84	0.00016	3.57E-05	0.00231	0.0294	0.000017	0.00098
Ref-03		Camp impacted background	6/13/2023	*0.00002*	0.00009	0.00743	0.000017	*0.000005*	0.012	0.00001	7.32	*0.0001*	2.83E-05	0.00183	0.0198	0.0000105	0.00069
Ref-03		Camp impacted background	7/3/2023	*0.00002*	0.000084	0.0133	0.000024	*0.000005*	0.017	0.000015	10.6	*0.0001*	3.42E-05	0.00193	0.0221	0.0000085	0.0015
Ref-06		Background	7/3/2022	*0.00002*	0.000124	0.00219	0.000013	*0.000005*	0.062	0.0000074	2.03	0.00016	0.000215	0.00208	0.0088	0.000021	*0.0005*
Ref-06		Background	6/13/2023	*0.00002*	0.000054	0.00182	0.000017	*0.000005*	*0.01*	0.0000137	2.02	*0.0001*	6.85E-05	0.00169	0.0054	0.0000114	*0.0005*
Ref-06		Background	7/3/2023	*0.00002*	0.000054	0.00321	0.000015	*0.000005*	0.012	0.0000114	3.51	0.00018	9.76E-05	0.00182	0.0104	0.0000156	*0.0005*

Notes

Renamed ID's

Italics <DL

Calculated from other value

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Magnesium (Mg)	Dissolved Manganese (Mn)	Dissolved Mercury (Hg)	Dissolved Molybdenum (Mo)	Dissolved Nickel (Ni)	Dissolved Phosphorus (P)	Dissolved Potassium (K)	Dissolved Selenium (Se)	Dissolved Silicon (Si)	Dissolved Silver (Ag)	Dissolved Sodium (Na)	Dissolved Strontium (Sr)	Dissolved Sulphur (S)
Units				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
DL				***0.05***	***0.00005***	***0.0000019***	***0.00005***	***0.00002***	***0.002***	***0.05***	***0.00004***	***0.05***	***0.000005***	***0.05***	***0.00005***	***3***
ULU-8	Ore pad E	Contact water?	7/31/2020	12.7	0.0881	*0.000005*	0.000387	0.0109	*0.05*	8.28	0.00069	3.37	*0.00001*	67.1	0.1	94.8
ULU-8	Ore pad E	Contact water?	8/7/2020	11.9	0.204	*0.000005*	0.000384	0.0109	*0.05*	7.16	0.000842	3.37	*0.00001*	48.6	0.0988	83.6
ULU-8	Ore pad E	Contact water?	8/26/2020	23.3	0.441	*0.000005*	0.000187	0.0203	*0.05*	10.4	0.000666	3.27	*0.00001*	135	0.169	137
ULU-8	Ore pad E	Contact water	6/6/2022	5.86	0.34	0.0000047	0.000202	0.00898	0.0156	3.83	0.000244	1.82	*0.000005*	11.5	0.0416	35.8
ULU-8	Ore pad E	Contact water?	6/12/2023	11.9	0.00621	*0.0000019*	0.00009	0.006	0.0033	5.34	0.000739	2.22	*0.000005*	11.7	0.0907	78.8
ULU-8	Ore pad E	Contact water	7/3/2023	14.1	0.0958	*0.0000019*	0.000255	0.011	0.0022	6.22	0.000942	2.35	*0.000005*	9.3	0.12	110
ULU-8A	Ore pad E	Contact water	7/1/2023	19.3	0.527	*0.0000019*	0.00075	0.0418	0.013	9.25	0.00184	2.38	*0.000025*	7.28	0.156	155
ULU-8A	Ore pad E	Contact water	7/7/2023	17.1	0.55	*0.0000019*	0.000851	0.0167	0.0102	8.1	0.00155	2.37	*0.000005*	9.78	0.145	152
ULU-8A	Ore pad E	Contact water	7/16/2023	14.7	0.617	0.0000023	0.000702	0.0111	*0.002*	7.33	0.000953	2.2	*0.000005*	13.5	0.139	134
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	9/5/2019	20.7	0.13	*0.000005*	0.00007	0.0259	*0.05*	7.45	0.000656	3.18	*0.00001*	8.97	0.142	110
Seep-01	Ore pad S	Surface flow?	7/31/2020	12.6	0.0772	*0.000005*	0.000211	0.0234	*0.05*	5.75	0.00106	3.82	*0.00001*	5.73	0.0946	82.2
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/7/2020	14.6	0.222	*0.000005*	0.000323	0.0459	*0.05*	6.76	0.00154	5.1	*0.00001*	8.68	0.117	100
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/26/2020	17.8	0.275	*0.000005*	0.00012	0.0295	*0.05*	5.99	0.000206	2.41	*0.00001*	14.2	0.124	114
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	6/10/2023	4.56	0.0258	*0.0000019*	0.000054	0.00661	0.0058	1.6	0.000225	1.19	0.000005	2.29	0.027	18.9
Seep-22	Ore pad W	Ore pad sub-surface drainage in tundra?	6/10/2023	4.84	0.163	0.0000104	0.000145	0.0026	0.0118	2.04	0.000207	2.3	*0.000005*	0.891	0.0332	21.1
Seep-23	Ore pad E	Ore pad sub-surface drainage in boulders	6/10/2023	4.83	0.0872	0.0000022	0.000097	0.00108	0.0035	2.01	0.000203	1.62	*0.000005*	4.68	0.0332	25.1
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	7/31/2020	6.84	0.398	*0.000005*	0.000512	0.0503	*0.05*	3.49	0.000997	4.09	*0.00001*	3.55	0.0674	51.7
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/7/2020	5.66	0.359	*0.000005*	0.000171	0.0378	*0.05*	3.06	0.000877	4.51	*0.00001*	5.92	0.0572	44.8
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/26/2020	10.9	0.946	*0.000005*	0.0001	0.0411	*0.05*	3.08	0.000956	4.19	*0.00001*	22.3	0.0782	57.4
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/16/2021	2.18	0.109	0.0000037	0.000126	0.00759	0.0042	1.12	0.000341	1.07	*0.000005*	1.58	0.0184	6.9
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/30/2022	3.37	0.327	*0.0000019*	*0.00005*	0.0196	0.0041	1.38	0.000534	1.45	*0.000005*	4.2	0.0299	22.6
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/9/2023	2.17	0.121	*0.0000019*	*0.00005*	0.00969	0.0022	1.06	0.00022	1.65	*0.000005*	1.85	0.0191	9.6
Seep-05 SW	Ore pad W	Ore pad sub-surface drainage in tundra?	7/22/2023	23.8	0.916	*0.0000019*	*0.00005*	0.114	*0.002*	6.6	0.00232	5.42	*0.000005*	9.11	0.143	184
Seep-05 SW +15	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	8.54	0.21	*0.0000019*	*0.00005*	0.0164	0.0047	1.9	0.000154	1.73	*0.000005*	7.78	0.072	52.3
Seep-05 SW-50	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	12.2	1.54	*0.0000019*	*0.00005*	0.102	0.0021	3.33	0.00146	4.61	*0.000005*	13.3	0.0772	77.9
Seep-05 SW-125	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	5.15	0.0318	0.0000031	*0.00005*	0.00123	0.0031	1.32	*0.00004*	0.993	*0.000005*	2.67	0.0411	14.2
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/2/2020	4.93	0.00723	*0.000005*	*0.00005*	0.00279	*0.05*	1.06	*0.00005*	2.85	*0.00001*	4.76	0.0321	20.9
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/27/2020	6.32	0.00981	*0.000005*	*0.00005*	0.00278	*0.05*	1.29	*0.00005*	3.25	*0.00001*	6.26	0.0378	28.5
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/16/2021	1.96	0.00153	0.0000021	*0.00005*	0.00131	*0.002*	0.862	*0.00004*	1.03	*0.000005*	3.05	0.0111	5.2
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	9/1/2021	4.23	0.00316	*0.0000019*	*0.00005*	0.00215	0.0021	1.3	*0.00004*	2.43	*0.000005*	5.94	0.0271	12.3
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/12/2023	3.48	0.000551	*0.0000019*	*0.00005*	0.0014	0.0025	1.09	0.000052	1.5	*0.000005*	4.98	0.0202	12.9
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/16/2021	1.14	0.000296	0.000003	*0.00005*	0.000719	0.0029	0.781	*0.00004*	1.17	0.0000055	1.5	0.0197	*3*
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/9/2023	1.04	0.000449	0.0000029	*0.00005*	0.00101	0.0043	0.581	0.000071	1.58	0.0000064	1.67	0.0216	*3*
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/19/2023	1.62	0.000379	0.0000037	*0.00005*	0.00113	*0.002*	0.69	*0.00004*	2.32	0.0000052	2.52	0.0382	8.1
Seep-03	Camp pad N	Contact water?	7/31/2020	7.55	0.0512	*0.000005*	0.00172	0.00903	*0.05*	6.31	0.00037	2.33	*0.00001*	3.19	0.0973	59.4
Seep-21	Camp pad N	Contact water?	6/14/2022	5.65	0.00227	*0.0000019*	0.00174	0.00104	0.004	5.15	0.000546	2.23	*0.000005*	2.79	0.11	61.9

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Magnesium (Mg)	Dissolved Manganese (Mn)	Dissolved Mercury (Hg)	Dissolved Molybdenum (Mo)	Dissolved Nickel (Ni)	Dissolved Phosphorus (P)	Dissolved Potassium (K)	Dissolved Selenium (Se)	Dissolved Silicon (Si)	Dissolved Silver (Ag)	Dissolved Sodium (Na)	Dissolved Strontium (Sr)	Dissolved Sulphur (S)
Units				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
DL				*0.05*	*0.00005*	*0.0000019*	*0.00005*	*0.00002*	*0.002*	*0.05*	*0.00004*	*0.05*	*0.000005*	*0.05*	*0.00005*	*3*
Seep-07	Camp pad N	Contact water	6/14/2021	2.47	0.0184	0.0000023	0.000547	0.00213	0.0042	1.86	0.000198	1.14	0.0000052	0.666	0.0224	10.4
Seep-08	Camp pad N	Contact water	6/14/2021	2.52	0.0161	*0.0000019*	0.000748	0.00164	*0.002*	1.98	0.000122	0.727	*0.000005*	0.715	0.0214	12.3
Seep-08	Camp pad N	Contact water	6/13/2022	5.17	0.0209	*0.0000019*	0.000988	0.00288	0.0065	3.22	0.000195	0.79	*0.000005*	1.04	0.0435	27.7
Seep-08	Camp pad N	Contact water	6/9/2023	4.06	0.000168	*0.0000019*	0.00158	0.00156	0.0023	3.23	0.000191	0.901	*0.000005*	1.43	0.0361	21.7
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2021	3.42	0.00123	0.0000037	0.000458	0.00116	0.006	2.26	0.000187	1.16	*0.000005*	2.46	0.0287	7.6
Seep-17	Drill core/Camp pad	Tundra seep	7/29/2021	6.45	0.00394	*0.0000019*	0.000423	0.00161	0.0043	3.57	0.000129	1.46	*0.000005*	5.02	0.0579	32.5
Seep-17	Drill core/Camp pad	Tundra seep	8/26/2021	7.6	0.00624	*0.0000019*	0.000387	0.00194	0.0031	4	0.000185	1.5	*0.000005*	6.57	0.071	29.9
Seep-17	Drill core/Camp pad	Tundra seep	9/1/2021	6.31	0.00117	*0.0000019*	0.000263	0.00115	0.0056	3.07	0.000084	0.826	*0.000005*	5.09	0.0548	30.8
Seep-17	Drill core/Camp pad	Tundra seep	6/27/2022	4.92	0.00197	*0.0000019*	0.000388	0.0016	*0.002*	2.79	0.000152	1.39	*0.000005*	3.14	0.0462	35.8
Seep-17	Drill core/Camp pad	Tundra seep	7/24/2022	8.77	0.00368	*0.0000019*	0.000717	0.00233	0.0021	5.05	0.000255	1.72	*0.000005*	5.09	0.0875	58.1
Seep-17	Drill core/Camp pad	Tundra seep	6/12/2023	3.81	0.00139	0.0000023	0.000472	0.00125	0.0021	2.28	0.000229	1.45	*0.000005*	2.86	0.032	20.1
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2023	5.92	0.00251	*0.0000019*	0.000677	0.00232	*0.002*	3.38	0.00012	1.61	*0.000005*	4.42	0.0518	30.9
Seep-17	Drill core/Camp pad	Tundra seep	7/27/2023	7.82	0.00568	*0.0000019*	0.000663	0.00215	*0.002*	5.13	0.000157	1.79	*0.000005*	5.19	0.0842	52.3
Seep-18	Drill core/Camp pad	Downstream flow in tundra	7/29/2021	6.31	0.00117	*0.0000019*	0.000263	0.00115	0.0056	3.07	0.000084	0.826	*0.000005*	5.09	0.0548	30.8
Seep-18	Drill core/Camp pad	Downstream flow in tundra	8/26/2021	7.44	0.00417	*0.0000019*	0.000169	0.00146	0.0029	3.49	0.000082	0.731	*0.000005*	6.54	0.0636	30.1
Seep-18	Drill core/Camp pad	Downstream flow in tundra	9/1/2021	6.57	0.00571	*0.0000019*	0.000314	0.00138	*0.002*	3.72	0.000158	1.12	*0.000005*	5.64	0.0643	26.5
Seep-18	Drill core/Camp pad	Downstream flow in tundra	6/27/2022	5.16	0.00077	*0.0000019*	0.000224	0.00112	*0.002*	2.77	0.000166	0.781	0.0000056	3.47	0.0502	47.1
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/24/2022	8.45	0.00234	*0.0000019*	0.000173	0.00107	0.0023	3.94	0.000074	0.764	*0.000005*	5.64	0.0807	52.7
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/12/2023	3.64	0.000997	0.000003	0.000144	0.000686	0.0031	2.17	0.000122	0.969	*0.000005*	3.47	0.031	18.1
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/19/2023	5.71	0.00155	*0.0000019*	0.000225	0.00105	*0.002*	3.08	0.000078	1.06	*0.000005*	4.93	0.0517	31
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/27/2023	7.43	0.00722	*0.0000019*	0.000233	0.00108	*0.002*	4.06	0.000062	1.34	*0.000005*	5.32	0.0791	46
ULU-15	Landfill	Pre-land fill run off from Camp pad S	6/23/2021	5.21	0.0246	0.0000019	0.000314	0.00164	0.0154	2.75	0.000132	1.42	0.0000052	2.35	0.0693	13.6
ULU-15	Landfill	Run off from Camp pad S/landfill	6/11/2023	14.4	0.0333	0.0000025	0.00113	0.00318	0.0132	9.26	0.000192	2.24	0.0000057	14.8	0.148	70.1
Seep-16	Portal	Contact water/snow melt	6/19/2021	0.457	0.00767	0.0000019	0.000085	0.000829	0.0069	0.993	0.000045	0.378	*0.000005*	0.385	0.00553	*3*
Seep-24	Portal	Contact water	6/10/2023	4.24	0.0127	*0.0000019*	0.000083	0.00204	0.003	1.99	0.000088	2.41	0.0000058	9.22	0.1	7.9
ULU-4a	Portal	Portal Pond	7/29/2020	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-4a	Portal	Portal Pond	8/26/2020	3.59	0.0381	*0.000005*	0.000404	0.00612	*0.05*	2.18	0.00011	1.41	*0.00001*	11.5	0.0311	15.2
ULU-4a	Portal	Portal Pond	9/5/2020	4.93	0.0813	*0.000005*	0.00109	0.00667	*0.05*	2.66	0.000124	1.66	*0.00001*	13.6	0.0409	19.8
ULU-4a	Portal	Portal Pond	7/29/2021	3.24	0.0238	0.0000021	0.000283	0.00469	0.0062	1.83	0.000137	0.992	*0.000005*	9.51	0.0488	11
Seep-09	Waste rock pad	Contact water	6/15/2021	3.17	0.0137	*0.0000019*	0.000284	0.00329	0.0031	2.63	0.000198	1.15	*0.000005*	2.39	0.0311	21.4
Seep-10	Waste rock pad	Contact water	6/15/2021	3.54	0.03	*0.0000019*	0.000362	0.00139	0.004	2.74	0.000317	1.5	*0.000005*	2.94	0.0403	10.2
Seep-10	Waste rock pad	Contact water	6/6/2022	3.17	0.00367	*0.0000019*	0.000406	0.00113	0.0059	3.95	0.000136	1.58	*0.000005*	2.43	0.0732	30
Seep-25	Waste rock pad	Contact water	6/11/2023	5.04	0.00163	*0.0000019*	0.000878	0.00169	0.0056	4.46	0.000158	2.49	*0.000005*	4.73	0.0733	34.2
ULU-7	Waste rock pad	Contact water	7/31/2020	5.9	0.00093	*0.000005*	0.000341	0.00177	*0.05*	3.09	0.000121	3.02	*0.00001*	6.53	0.0588	29.5

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Magnesium (Mg)	Dissolved Manganese (Mn)	Dissolved Mercury (Hg)	Dissolved Molybdenum (Mo)	Dissolved Nickel (Ni)	Dissolved Phosphorus (P)	Dissolved Potassium (K)	Dissolved Selenium (Se)	Dissolved Silicon (Si)	Dissolved Silver (Ag)	Dissolved Sodium (Na)	Dissolved Strontium (Sr)	Dissolved Sulphur (S)
Units				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
DL				***0.05***	***0.00005***	***0.0000019***	***0.00005***	***0.00002***	***0.002***	***0.05***	***0.00004***	***0.05***	***0.000005***	***0.05***	***0.00005***	***3***
Seep-11	Waste rock pad	Contact water	6/15/2021	1.9	0.00658	*0.0000019*	0.000132	0.00207	0.0066	1.24	0.000091	0.867	*0.000005*	1.29	0.016	3.8
Seep-11	Waste rock pad	Contact water	6/6/2022	1.71	0.00631	0.0000019	0.000173	0.00195	0.0077	1.47	0.000082	0.837	*0.000005*	1.01	0.02	7.3
Seep-11	Waste rock pad	Contact water	6/11/2023	3.41	0.00548	*0.0000019*	0.000145	0.00267	0.0056	1.57	0.000194	1.83	0.0000071	2.02	0.0314	11
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	8/27/2020	12.4	0.00811	*0.000005*	0.000131	0.00365	*0.05*	4.48	0.000187	2.28	*0.00001*	31.8	0.0905	53.3
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/29/2021	8.3	0.000424	0.0000021	0.000333	0.00149	0.0069	3.33	0.000234	1.56	*0.000005*	9.54	0.0709	41.5
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	9/1/2021	8.95	0.00113	*0.0000019*	0.000294	0.00218	0.0023	3.36	0.000317	1.83	*0.000005*	13.7	0.073	33
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/28/2022	8.47	0.0148	0.0000023	0.00023	0.00258	0.0057	3.83	0.000243	1.67	*0.000005*	8.15	0.0825	62.3
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/24/2022	11.7	0.00314	*0.0000019*	0.000275	0.00243	0.005	4.45	0.000173	1.86	*0.000005*	16.2	0.102	60.6
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/11/2023	6.3	0.00268	*0.0000019*	0.000274	0.00174	0.0044	3.27	0.000134	1.39	0.0000066	7.5	0.062	30.5
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/8/2023	11.4	0.00579	0.0000021	0.000285	0.00271	0.0063	4.48	0.000124	1.74	*0.000005*	11.8	0.0967	57
Seep-26	Waste rock pad	WR pad seep-surface flow in tundra	6/12/2023	5.62	0.000597	*0.0000019*	0.000233	0.00145	0.0037	2.81	0.000205	1.36	*0.000005*	7.5	0.0531	29.3
Seep-04	Waste rock pad	WR pad seep-surface flow in tundra	8/1/2020	6.27	0.044	*0.000005*	0.000272	0.00767	*0.05*	3.19	0.000135	2.7	*0.00001*	9.94	0.0624	38
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	1.59	0.000309	0.000002	0.000114	0.00199	0.0031	0.938	*0.00004*	1.13	*0.000005*	1.71	0.0151	4.3
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/29/2021	4.85	0.00142	*0.0000019*	0.00014	0.00367	0.0054	1.94	0.000073	1.85	*0.000005*	9.38	0.046	25.7
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	9/1/2021	4.54	0.0035	*0.0000019*	0.000112	0.00462	0.0021	1.86	0.000105	2.25	*0.000005*	9.57	0.0438	18.3
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	4.44	0.00434	*0.0000019*	0.000097	0.00363	0.0092	1.31	0.000085	1.65	*0.000005*	4.6	0.0464	30
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/24/2022	8.06	0.00312	*0.0000019*	0.000103	0.0057	*0.002*	2.51	0.000127	2.44	*0.000005*	10.3	0.0755	50.4
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/12/2023	3.34	0.00116	*0.0000019*	0.000136	0.00256	0.0029	1.37	0.000043	1.66	*0.000005*	3.25	0.0334	15.5
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	8/27/2020	5.15	0.00167	*0.000005*	0.000316	0.00176	*0.05*	3.54	0.000134	1.94	*0.00001*	17.9	0.0451	24.4
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	3.06	0.00154	*0.0000019*	0.000277	0.00106	0.0023	1.96	0.000178	1.06	*0.000005*	2.68	0.0266	8.5
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	7.4	0.00115	*0.0000019*	0.000219	0.00167	0.008	2.89	0.000251	1.48	*0.000005*	8.95	0.0688	37.6
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	5.04	0.000603	*0.0000019*	0.000242	0.00108	0.0046	2.59	0.000108	1.4	*0.000005*	7.57	0.0462	22.3
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	1.68	0.00089	0.000002	0.000084	0.000999	0.0036	0.733	0.000059	1.31	0.000005	1.45	0.0108	3.6
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	4.72	0.00115	*0.0000019*	*0.00005*	0.00122	0.0038	1.22	0.000142	1.63	*0.000005*	3.38	0.0333	21.4
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	7/25/2022	8.12	0.00166	*0.0000019*	*0.00005*	0.00197	0.002	1.82	0.000044	2.21	*0.000005*	5.82	0.0527	34.3
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	3.51	0.00157	0.0000021	*0.00005*	0.00122	0.0026	1.05	0.000063	1.46	*0.000005*	3.06	0.0225	17.9
Seep-19	Camp 3	Contact water?	7/30/2021	4.15	0.000348	*0.0000019*	0.000436	0.00137	0.0048	2.84	0.000073	1.6	*0.000005*	0.784	0.0308	9.9
Ref-03		Camp impacted background	6/14/2022	1.42	0.00149	0.0000045	*0.00005*	0.000956	0.0047	0.413	*0.00004*	1.58	*0.000005*	0.901	0.00932	3.1
Ref-03		Camp impacted background	6/13/2023	2.07	0.00182	*0.0000019*	*0.00005*	0.000892	0.0021	0.413	*0.00004*	1.95	0.0000059	1.28	0.0129	*3*
Ref-03		Camp impacted background	7/3/2023	3.12	0.00342	0.0000023	*0.00005*	0.00143	*0.002*	0.495	*0.00004*	3.21	*0.000005*	1.69	0.0201	3.5
Ref-06		Background	7/3/2022	0.579	0.00894	0.0000051	0.000345	0.000644	*0.002*	0.123	0.000091	1.21	0.0000062	0.766	0.00439	*3*
Ref-06		Background	6/13/2023	0.505	0.000748	*0.0000019*	*0.00005*	0.000645	*0.002*	0.136	0.000064	0.989	0.0000064	0.404	0.00389	*3*
Ref-06		Background	7/3/2023	0.762	0.000666	*0.0000019*	0.000159	0.000745	0.0026	0.168	0.000046	1.56	0.00001	0.47	0.00567	*3*

Notes

Renamed ID's

Italics <DL

Calculated from other value

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Thallium (Tl)	Dissolved Tin (Sn)	Dissolved Titanium (Ti)	Dissolved Uranium (U)	Dissolved Vanadium (V)	Dissolved Zinc (Zn)	Dissolved Zirconium (Zr)	Tungsten (W)-dissolved	Thorium (Th)-dissolved	Cesium (Cs)-dissolved	Tellurium (Te)-dissolved	Rubidium (Rb)-dissolved
Units				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
DL				***0.000002***	***0.0002***	***0.0005***	***0.000002***	***0.0002***	***0.0001***	***0.0001***	***0.0001***	***0.0001***	***0.00001***	***0.0002***	***0.0002***
ULU-8	Ore pad E	Contact water?	7/31/2020	0.000011	*0.0001*	0.00041	0.000122	*0.0005*	0.0992	0.00033	*0.0001*	*0.0001*	0.00031	*0.0002*	0.0121
ULU-8	Ore pad E	Contact water?	8/7/2020	0.000013	*0.0001*	0.00042	0.000122	*0.0005*	0.0961	0.00036	0.00043	*0.0001*	0.000191	*0.0002*	0.00922
ULU-8	Ore pad E	Contact water?	8/26/2020	0.000017	*0.0001*	0.00036	0.000091	*0.0005*	0.172	*0.0003*	*0.0001*	*0.0001*	0.000308	*0.0002*	0.0129
ULU-8	Ore pad E	Contact water	6/6/2022	0.000004	*0.0002*	0.00057	0.000112	*0.0002*	0.0518	0.0004	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-8	Ore pad E	Contact water?	6/12/2023	0.0000035	*0.0002*	*0.0005*	0.0000416	*0.0002*	0.0374	0.00013	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-8	Ore pad E	Contact water	7/3/2023	0.0000061	*0.0002*	*0.0005*	0.000158	*0.0002*	0.0781	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-8A	Ore pad E	Contact water	7/1/2023	0.00001	*0.001*	*0.0025*	0.000618	*0.001*	0.307	*0.0005*	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-8A	Ore pad E	Contact water	7/7/2023	0.0000095	*0.0002*	*0.0005*	0.000265	*0.0002*	0.111	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-8A	Ore pad E	Contact water	7/16/2023	0.0000083	*0.0002*	*0.0005*	0.00028	*0.0002*	0.0721	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	9/5/2019	*0.00001*	*0.0001*	*0.0003*	0.000014	*0.0005*	0.0561	*0.0002*	*0.0001*	*0.0001*	0.000053	*0.0002*	0.0088
Seep-01	Ore pad S	Surface flow?	7/31/2020	*0.00001*	*0.0001*	*0.0003*	0.000022	*0.0005*	0.0595	*0.0003*	*0.0001*	*0.0001*	0.000043	*0.0002*	0.00698
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/7/2020	0.000014	*0.0001*	*0.0003*	0.000038	*0.0005*	0.127	*0.0003*	0.0003	*0.0001*	0.000092	*0.0002*	0.00847
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/26/2020	*0.00001*	*0.0001*	*0.0003*	0.000018	*0.0005*	0.0293	*0.0003*	*0.0001*	*0.0001*	0.00006	*0.0002*	0.00837
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	6/10/2023	0.0000059	*0.0002*	*0.0005*	0.0000304	*0.0002*	0.00908	0.00016	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-22	Ore pad W	Ore pad sub-surface drainage in tundra?	6/10/2023	0.000006	*0.0002*	0.00076	0.000045	0.00023	0.00515	0.00034	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-23	Ore pad E	Ore pad sub-surface drainage in boulders	6/10/2023	0.0000078	*0.0002*	*0.0005*	0.000177	*0.0002*	0.00207	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	7/31/2020	0.000023	*0.0001*	*0.0003*	0.000269	*0.0005*	0.112	*0.0003*	*0.0001*	*0.0001*	0.000176	*0.0002*	0.00775
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/7/2020	0.000021	*0.0001*	*0.0003*	0.000363	*0.0005*	0.0801	*0.0003*	0.00045	*0.0001*	0.000149	*0.0002*	0.00591
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/26/2020	0.000025	*0.0001*	*0.0003*	0.000432	*0.0005*	0.0682	*0.0003*	*0.0001*	*0.0001*	0.000215	*0.0002*	0.00731
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/16/2021	0.0000053	*0.0002*	*0.0005*	0.0000694	*0.0002*	0.0137	*0.0001*					
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/30/2022	0.0000104	*0.0002*	*0.0005*	0.0000717	*0.0002*	0.0357	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/9/2023	0.0000054	*0.0002*	*0.0005*	0.000106	*0.0002*	0.0183	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-05 SW	Ore pad W	Ore pad sub-surface drainage in tundra?	7/22/2023	0.000049	*0.0002*	*0.0005*	0.00334	*0.0002*	0.274	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-05 SW +15	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	0.0000057	*0.0002*	*0.0005*	0.0000164	*0.0002*	0.0229	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-05 SW-50	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	0.0000473	*0.0002*	*0.0005*	0.000838	*0.0002*	0.225	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-05 SW-125	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023	0.0000042	*0.0002*	*0.0005*	0.0000284	*0.0002*	0.0089	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/2/2020	*0.00001*	*0.0001*	*0.0003*	0.000071	*0.0005*	0.0069	*0.0003*	0.00028	*0.0001*	*0.00001*	*0.0002*	0.00146
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/27/2020	*0.00001*	*0.0001*	*0.0003*	0.00005	*0.0005*	0.0086	*0.0003*	*0.0001*	*0.0001*	*0.00001*	*0.0002*	0.0016
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/16/2021	*0.000002*	*0.0002*	*0.0005*	0.0000345	*0.0002*	0.00109	0.00012					
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	9/1/2021	*0.000002*	*0.0002*	*0.0005*	0.000034	*0.0002*	0.0025	0.0002	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/12/2023	*0.000002*	*0.0002*	*0.0005*	0.0000299	*0.0002*	0.00191	0.00018	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/16/2021	*0.000002*	*0.0002*	*0.0005*	0.0000588	*0.0002*	0.00078	0.00014					
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/9/2023	*0.000002*	*0.0002*	*0.0005*	0.000073	*0.0002*	0.00149	0.00027	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/19/2023	*0.000002*	*0.0002*	*0.0005*	0.0000763	*0.0002*	0.00227	0.00034	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-03	Camp pad N	Contact water?	7/31/2020	0.00001	*0.0001*	*0.0003*	0.00126	*0.0005*	0.0173	*0.0003*	0.00048	*0.0001*	0.000338	*0.0002*	0.00871
Seep-21	Camp pad N	Contact water?	6/14/2022	0.0000121	*0.0002*	*0.0005*	0.00138	*0.0002*	0.00116	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Thallium (Tl)	Dissolved Tin (Sn)	Dissolved Titanium (Ti)	Dissolved Uranium (U)	Dissolved Vanadium (V)	Dissolved Zinc (Zn)	Dissolved Zirconium (Zr)	Tungsten (W)-dissolved	Thorium (Th)-dissolved	Cesium (Cs)-dissolved	Tellurium (Te)-dissolved	Rubidium (Rb)-dissolved
Units				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
DL				***0.000002***	***0.0002***	***0.0005***	***0.000002***	***0.0002***	***0.0001***	***0.0001***	***0.0001***	***0.0001***	***0.00001***	***0.0002***	***0.0002***
Seep-07	Camp pad N	Contact water	6/14/2021	0.0000074	*0.0002*	*0.0005*	0.0002	*0.0002*	0.00452	*0.0001*					
Seep-08	Camp pad N	Contact water	6/14/2021	0.0000077	*0.0002*	*0.0005*	0.000273	*0.0002*	0.00337	*0.0001*					
Seep-08	Camp pad N	Contact water	6/13/2022	0.0000102	*0.0002*	*0.0005*	0.001	*0.0002*	0.00582	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-08	Camp pad N	Contact water	6/9/2023	0.0000078	*0.0002*	*0.0005*	0.000498	*0.0002*	0.00295	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2021	0.0000024	*0.0002*	*0.0005*	0.000162	*0.0002*	0.0007	0.00012					
Seep-17	Drill core/Camp pad	Tundra seep	7/29/2021	0.0000024	*0.0002*	*0.0005*	0.000423	*0.0002*	0.0018	0.0001	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	8/26/2021	0.0000034	*0.0002*	*0.0005*	0.00072	*0.0002*	0.0015	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	9/1/2021	0.0000025	*0.0002*	*0.0005*	0.000142	*0.0002*	0.0062	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	6/27/2022	0.0000039	*0.0002*	*0.0005*	0.000189	*0.0002*	0.0024	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	7/24/2022	0.0000045	*0.0002*	*0.0005*	0.000949	*0.0002*	0.0020	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	6/12/2023	0.000005	*0.0002*	*0.0005*	0.000173	*0.0002*	0.0012	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2023	0.0000039	*0.0002*	*0.0005*	0.000325	*0.0002*	0.0025	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-17	Drill core/Camp pad	Tundra seep	7/27/2023	0.0000059	*0.0002*	*0.0005*	0.00102	*0.0002*	0.0022	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-18	Drill core/Camp pad	Downstream flow in tundra	7/29/2021	0.0000025	*0.0002*	*0.0005*	0.000142	*0.0002*	0.0062	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-18	Drill core/Camp pad	Downstream flow in tundra	8/26/2021	*0.000002*	*0.0002*	*0.0005*	0.000221	*0.0002*	0.0012	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-18	Drill core/Camp pad	Downstream flow in tundra	9/1/2021	0.000002	*0.0002*	*0.0005*	0.000299	*0.0002*	0.0026	0.00014	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-18	Drill core/Camp pad	Downstream flow in tundra	6/27/2022	0.0000021	*0.0002*	*0.0005*	0.0000892	*0.0002*	0.0022	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/24/2022	0.0000034	*0.0002*	*0.0005*	0.000154	*0.0002*	0.0009	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/12/2023	0.0000028	*0.0002*	*0.0005*	0.0000642	*0.0002*	0.0009	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/19/2023	0.0000022	*0.0002*	*0.0005*	0.0001	*0.0002*	0.0016	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/27/2023	0.0000053	*0.0002*	*0.0005*	0.000297	*0.0002*	0.0008	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-15	Landfill	Pre-land fill run off from Camp pad S	6/23/2021	0.0000076	0.0002	0.00183	0.000735	0.0002	0.132	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-15	Landfill	Run off from Camp pad S/landfill	6/11/2023	0.0000216	*0.0002*	*0.0005*	0.00546	*0.0002*	0.293	0.00011	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-16	Portal	Contact water/snow melt	6/19/2021	0.0000036	*0.0002*	0.00179	0.0000305	*0.0002*	0.00053	*0.0001*					
Seep-24	Portal	Contact water	6/10/2023	0.0000093	*0.0002*	*0.0005*	0.0000661	*0.0002*	0.00469	0.00015	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-4a	Portal	Portal Pond	7/29/2020	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-4a	Portal	Portal Pond	8/26/2020	*0.00001*	*0.0001*	0.00039	0.000247	*0.0005*	0.171	*0.0003*	0.00068	*0.0001*	0.000064	*0.0002*	0.00319
ULU-4a	Portal	Portal Pond	9/5/2020	*0.00001*	*0.0001*	*0.0003*	0.000547	*0.0005*	0.15	*0.0003*	0.00059	*0.0001*	0.000066	*0.0002*	0.00361
ULU-4a	Portal	Portal Pond	7/29/2021	0.0000054	*0.0002*	*0.0005*	0.0000999	*0.0002*	0.131	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-09	Waste rock pad	Contact water	6/15/2021	0.0000096	*0.0002*	0.0006	0.0000575	*0.0002*	0.0113	*0.0001*					
Seep-10	Waste rock pad	Contact water	6/15/2021	0.0000044	*0.0002*	*0.0005*	0.000176	*0.0002*	0.00423	*0.0001*					
Seep-10	Waste rock pad	Contact water	6/6/2022	0.0000075	*0.0002*	*0.0005*	0.000158	*0.0002*	0.00232	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-25	Waste rock pad	Contact water	6/11/2023	0.0000122	*0.0002*	*0.0005*	0.000408	*0.0002*	0.0057	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
ULU-7	Waste rock pad	Contact water	7/31/2020	*0.00001*	*0.0001*	0.00034	0.00012	*0.0005*	0.0039	*0.0003*	*0.0001*	*0.0001*	0.000069	*0.0002*	0.00469

Sample ID Convention	Area	Represents	Sampling Date	Dissolved Thallium (Tl)	Dissolved Tin (Sn)	Dissolved Titanium (Ti)	Dissolved Uranium (U)	Dissolved Vanadium (V)	Dissolved Zinc (Zn)	Dissolved Zirconium (Zr)	Tungsten (W)-dissolved	Thorium (Th)-dissolved	Cesium (Cs)-dissolved	Tellurium (Te)-dissolved	Rubidium (Rb)-dissolved
Units				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
DL				***0.000002***	***0.0002***	***0.0005***	***0.000002***	***0.0002***	***0.0001***	***0.0001***	***0.0001***	***0.0001***	***0.00001***	***0.0002***	***0.0002***
Seep-11	Waste rock pad	Contact water	6/15/2021	0.0000037	*0.0002*	*0.0005*	0.0000449	*0.0002*	0.00391	*0.0001*					
Seep-11	Waste rock pad	Contact water	6/6/2022	0.000004	*0.0002*	*0.0005*	0.0000167	*0.0002*	0.00235	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-11	Waste rock pad	Contact water	6/11/2023	0.0000079	*0.0002*	*0.0005*	0.000116	*0.0002*	0.00445	0.00012	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	8/27/2020	*0.00001*	*0.0001*	*0.0003*	0.000944	*0.0005*	0.0062	*0.0003*	*0.0001*	*0.0001*	0.000016	*0.0002*	0.00494
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/29/2021	0.0000066	*0.0002*	*0.0005*	0.000981	*0.0002*	0.00507	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	9/1/2021	0.0000053	*0.0002*	*0.0005*	0.000735	*0.0002*	0.00234	0.00012	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/28/2022	0.0000096	*0.0002*	*0.0005*	0.00118	*0.0002*	0.00366	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/24/2022	0.0000102	*0.0002*	*0.0005*	0.00188	*0.0002*	0.00238	0.0001	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/11/2023	0.0000072	*0.0002*	*0.0005*	0.000677	*0.0002*	0.00175	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/8/2023	0.0000103	*0.0002*	*0.0005*	0.00229	*0.0002*	0.00287	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-26	Waste rock pad	WR pad seep-surface flow in tundra	6/12/2023	0.0000024	*0.0002*	*0.0005*	0.000165	*0.0002*	0.00241	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-04	Waste rock pad	WR pad seep-surface flow in tundra	8/1/2020	*0.00001*	*0.0001*	*0.0003*	0.00018	*0.0005*	0.0082	*0.0003*	*0.0001*	*0.0001*	0.000012	*0.0002*	0.00345
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	*0.000002*	*0.0002*	*0.0005*	0.0000556	*0.0002*	0.00107	0.00014					
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/29/2021	0.0000034	*0.0002*	*0.0005*	0.0000416	*0.0002*	0.00275	0.00017	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	9/1/2021	0.0000034	*0.0002*	*0.0005*	0.0000403	*0.0002*	0.00299	0.00016	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	0.0000048	*0.0002*	*0.0005*	0.0000487	*0.0002*	0.00247	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/24/2022	0.0000045	*0.0002*	*0.0005*	0.0000364	*0.0002*	0.00364	0.00013	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/12/2023	0.0000037	*0.0002*	*0.0005*	0.0000486	*0.0002*	0.00181	0.00017	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	8/27/2020	*0.00001*	*0.0001*	*0.0003*	0.000166	*0.0005*	0.0025	*0.0003*	*0.0001*	*0.0001*	0.000012	*0.0002*	0.0041
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	0.0000031	*0.0002*	*0.0005*	0.0000896	*0.0002*	0.00125	*0.0001*					
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	0.0000047	*0.0002*	*0.0005*	0.000232	*0.0002*	0.00194	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	0.0000041	*0.0002*	*0.0005*	0.000144	*0.0002*	0.00091	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021	*0.000002*	*0.0002*	*0.0005*	0.000116	*0.0002*	0.00107	0.00017					
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022	0.0000041	*0.0002*	*0.0005*	0.0000804	*0.0002*	0.00234	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	7/25/2022	0.0000053	*0.0002*	*0.0005*	0.0000901	*0.0002*	0.00365	0.00011	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023	0.0000042	*0.0002*	*0.0005*	0.000074	*0.0002*	0.00183	0.00011	#N/A	#N/A	#N/A	#N/A	#N/A
Seep-19	Camp 3	Contact water?	7/30/2021	0.000005	*0.0002*	*0.0005*	0.000433	*0.0002*	0.00619	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Ref-03		Camp impacted background	6/14/2022	*0.000002*	*0.0002*	*0.0005*	0.000133	*0.0002*	0.00204	0.00013	#N/A	#N/A	#N/A	#N/A	#N/A
Ref-03		Camp impacted background	6/13/2023	*0.000002*	*0.0002*	*0.0005*	0.0000899	*0.0002*	0.00186	0.00027	#N/A	#N/A	#N/A	#N/A	#N/A
Ref-03		Camp impacted background	7/3/2023	0.000003	*0.0002*	*0.0005*	0.00011	*0.0002*	0.00286	0.00025	#N/A	#N/A	#N/A	#N/A	#N/A
Ref-06		Background	7/3/2022	0.0000029	*0.0002*	*0.0005*	0.000117	*0.0002*	0.00168	*0.0001*	#N/A	#N/A	#N/A	#N/A	#N/A
Ref-06		Background	6/13/2023	*0.000002*	*0.0002*	*0.0005*	0.000117	*0.0002*	0.00196	0.0001	#N/A	#N/A	#N/A	#N/A	#N/A
Ref-06		Background	7/3/2023	0.0000025	*0.0002*	*0.0005*	0.000119	*0.0002*	0.00268	0.00012	#N/A	#N/A	#N/A	#N/A	#N/A

Notes

Renamed ID's

Italics <DL

Calculated from other value

																							CMR
Sample ID Convention	**Area**	**Represents**	**Sampling Date**	**Interpretation**	**Ca**	**Mg**	**Na**	**K**	**Total**	**Ca**	**Mg**	**Na**	**K**	**Ca+ Mg**	**Alkalinity**	**Cl**	**SO4**	**Total**	**Alkalinity**	**Cl**	**SO4**		
Units				**g/mol**	40.08	24.31	22.99	39.09							100	35.45	96.07						**Ca+Mg/SO**
DL					**meq/L**	**meq/L**	**meq/L**	**meq/L**	**meq/L**	**Cation proportions**					**meq/L**	**meq/L**	**meq/L**	**meq/L**	**Anion proportions**				**4 mol/mol**
ULU-8	Ore pad E	Contact water?	7/31/2020		4.34	1.04	2.92	0.21	8.52	51%	12%	34%	2%	63%	0.79	2.59	6.02	9.39	8%	28%	64%		0.90
ULU-8	Ore pad E	Contact water?	8/7/2020		4.16	0.98	2.11	0.18	7.44	56%	13%	28%	2%	69%	0.70	1.90	5.43	8.03	9%	24%	68%		0.95
ULU-8	Ore pad E	Contact water?	8/26/2020		6.54	1.92	5.87	0.27	14.59	45%	13%	40%	2%	58%	0.70	6.18	7.89	14.77	5%	42%	53%		1.07
ULU-8	Ore pad E	Contact water	6/6/2022		1.76	0.48	0.50	0.10	2.84	62%	17%	18%	3%	79%	0.40	0.27	2.50	3.16	13%	8%	79%		0.90
ULU-8	Ore pad E	Contact water?	6/12/2023		5.14	0.98	0.51	0.14	6.76	76%	14%	8%	2%	90%	0.46	0.37	6.04	6.86	7%	5%	88%		1.01
ULU-8	Ore pad E	Contact water	7/3/2023		6.99	1.16	0.40	0.16	8.71	80%	13%	5%	2%	94%	0.66	0.22	8.12	9.00	7%	2%	90%		1.00
ULU-8A	Ore pad E	Contact water	7/1/2023		7.98	1.59	0.32	0.24	10.13	79%	16%	3%	2%	95%	0.64	0.08	10.20	10.92	6%	1%	93%		0.94
ULU-8A	Ore pad E	Contact water	7/7/2023		10.38	1.41	0.43	0.21	12.42	84%	11%	3%	2%	95%	0.70	0.17	9.99	10.86	6%	2%	92%		1.18
ULU-8A	Ore pad E	Contact water	7/16/2023		6.64	1.21	0.59	0.19	8.62	77%	14%	7%	2%	91%	0.74	0.37	8.54	9.64	8%	4%	89%		0.92
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	9/5/2019		5.59	1.70	0.39	0.19	7.87	71%	22%	5%	2%	93%	0.42	0.06	6.85	7.32	6%	1%	94%		1.06
Seep-01	Ore pad S	Surface flow?	7/31/2020		3.74	1.04	0.25	0.15	5.17	72%	20%	5%	3%	92%	0.27	0.03	4.98	5.27	5%	0%	94%		0.96
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/7/2020		4.76	1.20	0.38	0.17	6.51	73%	18%	6%	3%	92%	0.26	0.04	5.95	6.26	4%	1%	95%		1.00
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	8/26/2020		4.75	1.46	0.62	0.15	6.98	68%	21%	9%	2%	89%	0.59	0.19	6.60	7.38	8%	3%	89%		0.94
Seep-01	Ore pad S	Stagnant water/Ore pad sub-surface drainage?	6/10/2023		1.34	0.38	0.10	0.04	1.86	72%	20%	5%	2%	92%	0.28	0.03	1.64	1.95	14%	1%	84%		1.04
Seep-22	Ore pad W	Ore pad sub-surface drainage in tundra?	6/10/2023		1.82	0.40	0.04	0.05	2.31	79%	17%	2%	2%	96%	0.80	0.03	1.71	2.54	32%	1%	67%		1.30
Seep-23	Ore pad E	Ore pad sub-surface drainage in boulders	6/10/2023		1.75	0.40	0.20	0.05	2.40	73%	17%	8%	2%	89%	0.66	0.12	1.71	2.49	27%	5%	69%		1.26
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	7/31/2020		2.55	0.56	0.15	0.09	3.36	76%	17%	5%	3%	93%	0.04	0.04	3.71	3.79	1%	1%	98%		0.84
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/7/2020		2.17	0.47	0.26	0.08	2.97	73%	16%	9%	3%	89%	0.04	0.10	2.96	3.10	1%	3%	95%		0.89
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	8/26/2020		2.50	0.90	0.97	0.08	4.45	56%	20%	22%	2%	76%	0.12	0.94	3.25	4.31	3%	22%	75%		1.05
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/16/2021		0.77	0.18	0.07	0.03	1.05	74%	17%	7%	3%	91%	0.09	0.06	0.85	1.00	9%	6%	85%		1.12
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/30/2022		1.10	0.28	0.18	0.04	1.59	69%	17%	11%	2%	86%	0.07	0.14	1.52	1.74	4%	8%	88%		0.90
Seep-05	Ore pad W	Ore pad sub-surface drainage in tundra?	6/9/2023		0.79	0.18	0.08	0.03	1.07	73%	17%	7%	3%	90%	0.08	0.03	0.98	1.09	7%	3%	90%		0.99
Seep-05 SW	Ore pad W	Ore pad sub-surface drainage in tundra?	7/22/2023		8.78	1.96	0.40	0.17	11.31	78%	17%	4%	1%	95%	0.02	0.17	13.95	14.14	0%	1%	99%		0.77
Seep-05 SW +15	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023		2.38	0.70	0.34	0.05	3.47	69%	20%	10%	1%	89%	0.18	0.19	3.75	4.13	4%	5%	91%		0.82
Seep-05 SW-50	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023		2.85	1.00	0.58	0.09	4.52	63%	22%	13%	2%	85%	0.02	0.39	5.41	5.83	0%	7%	93%		0.71
Seep-05 SW-125	Ore pad N swamp	Ore pad sub-surface drainage in tundra?	7/22/2023		0.96	0.42	0.12	0.03	1.54	63%	28%	8%	2%	90%	0.70	0.08	1.06	1.84	38%	4%	58%		1.31
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/2/2020		0.98	0.41	0.21	0.03	1.62	60%	25%	13%	2%	86%	0.12	0.07	1.44	1.63	7%	4%	88%		0.96
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	8/27/2020		1.10	0.52	0.27	0.03	1.92	57%	27%	14%	2%	84%	0.15	0.13	1.71	1.99	7%	7%	86%		0.95
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/16/2021		0.41	0.16	0.13	0.02	0.73	57%	22%	18%	3%	79%	0.08	0.11	0.58	0.77	10%	14%	76%		0.98
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	9/1/2021		0.92	0.35	0.26	0.03	1.56	59%	22%	17%	2%	81%	0.11	0.19	1.46	1.75	6%	11%	83%		0.87
Seep-06	Ore pad-East Lake	Ore pad-downstream flow into lake	6/12/2023		0.74	0.29	0.22	0.03	1.27	58%	22%	17%	2%	81%	0.09	0.10	1.14	1.33	7%	7%	86%		0.90
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/16/2021		0.33	0.09	0.07	0.02	0.51	65%	19%	13%	4%	83%	0.11	0.11	0.27	0.49	23%	22%	55%		1.56
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/9/2023		0.28	0.09	0.07	0.01	0.45	62%	19%	16%	3%	81%	0.11	0.03	0.27	0.41	27%	7%	67%		1.34
Seep-12	Ore pad-G43 Lake	Ore pad-downstream flow into lake	6/19/2023		0.37	0.13	0.11	0.02	0.63	59%	21%	17%	3%	80%	0.11	0.07	0.35	0.53	20%	13%	67%		1.42
Seep-03	Camp pad N	Contact water?	7/31/2020		4.08	0.62	0.14	0.16	5.00	82%	12%	3%	3%	94%	1.37	0.05	3.85	5.28	26%	1%	73%		1.22
Seep-21	Camp pad N	Contact water?	6/14/2022		4.98	0.46	0.12	0.13	5.69	87%	8%	2%	2%	96%	1.48	0.24	4.37	6.09	24%	4%	72%		1.24

																							CMR
Sample ID Convention	**Area**	**Represents**	**Sampling Date**	**Interpretation**	**Ca**	**Mg**	**Na**	**K**	**Total**	**Ca**	**Mg**	**Na**	**K**	**Ca+ Mg**	**Alkalinity**	**Cl**	**SO4**	**Total**	**Alkalinity**	**Cl**	**SO4**		
Units				**g/mol**	40.08	24.31	22.99	39.09							100	35.45	96.07						**Ca+Mg/SO**
DL					**meq/L**	**meq/L**	**meq/L**	**meq/L**	**meq/L**	**Cation proportions**					**meq/L**	**meq/L**	**meq/L**	**meq/L**	**Anion proportions**				**4 mol/mol**
Seep-07	Camp pad N	Contact water	6/14/2021		1.00	0.20	0.03	0.05	1.28	78%	16%	2%	4%	94%	0.66	0.05	0.69	1.40	47%	4%	49%		1.76
Seep-08	Camp pad N	Contact water	6/14/2021		1.04	0.21	0.03	0.05	1.33	78%	16%	2%	4%	94%	0.60	0.04	0.77	1.41	43%	3%	55%		1.62
Seep-08	Camp pad N	Contact water	6/13/2022		2.14	0.43	0.05	0.08	2.69	79%	16%	2%	3%	95%	0.78	0.08	1.94	2.79	28%	3%	69%		1.32
Seep-08	Camp pad N	Contact water	6/9/2023		2.03	0.33	0.06	0.08	2.50	81%	13%	2%	3%	94%	1.14	0.06	1.48	2.68	43%	2%	55%		1.60
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2021		1.30	0.28	0.11	0.06	1.75	74%	16%	6%	3%	91%	0.52	0.08	1.29	1.89	28%	4%	68%		1.23
Seep-17	Drill core/Camp pad	Tundra seep	7/29/2021		2.24	0.53	0.22	0.09	3.08	73%	17%	7%	3%	90%	1.10	0.16	2.29	3.55	31%	5%	64%		1.21
Seep-17	Drill core/Camp pad	Tundra seep	8/26/2021		3.14	0.63	0.29	0.10	4.15	76%	15%	7%	2%	91%	1.20	0.65	3.12	4.97	24%	13%	63%		1.21
Seep-17	Drill core/Camp pad	Tundra seep	9/1/2021		2.14	0.52	0.22	0.08	2.96	72%	18%	7%	3%	90%	1.10	0.19	2.29	3.58	31%	5%	64%		1.16
Seep-17	Drill core/Camp pad	Tundra seep	6/27/2022		2.15	0.40	0.14	0.07	2.76	78%	15%	5%	3%	92%	0.70	0.12	2.29	3.11	22%	4%	74%		1.12
Seep-17	Drill core/Camp pad	Tundra seep	7/24/2022		3.93	0.72	0.22	0.13	5.00	79%	14%	4%	3%	93%	1.06	0.16	3.54	4.76	22%	3%	74%		1.31
Seep-17	Drill core/Camp pad	Tundra seep	6/12/2023		1.66	0.31	0.12	0.06	2.15	77%	15%	6%	3%	92%	0.64	0.14	1.44	2.22	29%	6%	65%		1.37
Seep-17	Drill core/Camp pad	Tundra seep	6/19/2023		2.06	0.49	0.19	0.09	2.82	73%	17%	7%	3%	90%	0.76	0.22	1.62	2.60	29%	8%	62%		1.57
Seep-17	Drill core/Camp pad	Tundra seep	7/27/2023		3.51	0.64	0.23	0.13	4.51	78%	14%	5%	3%	92%	1.18	0.26	3.33	4.77	25%	5%	70%		1.25
Seep-18	Drill core/Camp pad	Downstream flow in tundra	7/29/2021		2.14	0.52	0.22	0.08	2.96	72%	18%	7%	3%	90%	1.10	0.19	2.29	3.58	31%	5%	64%		1.16
Seep-18	Drill core/Camp pad	Downstream flow in tundra	8/26/2021		2.94	0.61	0.28	0.09	3.92	75%	16%	7%	2%	90%	1.10	0.65	2.91	4.66	24%	14%	62%		1.22
Seep-18	Drill core/Camp pad	Downstream flow in tundra	9/1/2021		2.88	0.54	0.25	0.10	3.77	77%	14%	7%	3%	91%	1.04	0.45	2.91	4.41	24%	10%	66%		1.18
Seep-18	Drill core/Camp pad	Downstream flow in tundra	6/27/2022		2.17	0.42	0.15	0.07	2.81	77%	15%	5%	3%	92%	0.64	0.15	2.29	3.08	21%	5%	74%		1.13
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/24/2022		3.37	0.70	0.25	0.10	4.41	76%	16%	6%	2%	92%	0.92	0.17	3.33	4.43	21%	4%	75%		1.22
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/12/2023		1.60	0.30	0.15	0.06	2.11	76%	14%	7%	3%	90%	0.62	0.18	1.42	2.22	28%	8%	64%		1.34
Seep-20	Drill core/Camp pad	Downstream flow in tundra	6/19/2023		1.99	0.47	0.21	0.08	2.75	72%	17%	8%	3%	89%	0.74	0.26	1.64	2.64	28%	10%	62%		1.50
Seep-20	Drill core/Camp pad	Downstream flow in tundra	7/27/2023		3.17	0.61	0.23	0.10	4.12	77%	15%	6%	3%	92%	1.36	0.28	2.91	4.55	30%	6%	64%		1.30
ULU-15	Landfill	Pre-land fill run off from Camp pad S	6/23/2021		1.77	0.43	0.10	0.07	2.37	75%	18%	4%	3%	93%	1.02	0.25	1.54	2.81	36%	9%	55%		1.43
ULU-15	Landfill	Run off from Camp pad S/landfill	6/11/2023		6.44	1.18	0.64	0.24	8.50	76%	14%	8%	3%	90%	2.60	0.79	5.83	9.22	28%	9%	63%		1.31
Seep-16	Portal	Contact water/snow melt	6/19/2021		0.27	0.04	0.02	0.03	0.35	77%	11%	5%	7%	88%	0.18	0.03	0.16	0.38	48%	9%	43%		1.89
Seep-24	Portal	Contact water	6/10/2023		1.40	0.35	0.40	0.05	2.20	64%	16%	18%	2%	79%	0.15	1.50	0.67	2.32	7%	65%	29%		2.62
ULU-4a	Portal	Portal Pond	7/29/2020		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.38	#N/A	#N/A	#N/A	#N/A	#N/A		#N/A
ULU-4a	Portal	Portal Pond	8/26/2020		0.94	0.30	0.50	0.06	1.79	52%	17%	28%	3%	69%	0.45	0.46	0.86	1.78	26%	26%	49%		1.43
ULU-4a	Portal	Portal Pond	9/5/2020		1.30	0.41	0.59	0.07	2.37	55%	17%	25%	3%	72%	0.63	0.52	1.15	2.31	27%	23%	50%		1.49
ULU-4a	Portal	Portal Pond	7/29/2021		0.83	0.27	0.41	0.05	1.56	53%	17%	27%	3%	70%	0.46	0.56	0.90	1.92	24%	29%	47%		1.22
Seep-09	Waste rock pad	Contact water	6/15/2021		1.32	0.26	0.10	0.07	1.75	75%	15%	6%	4%	90%	0.42	0.09	1.29	1.80	23%	5%	72%		1.23
Seep-10	Waste rock pad	Contact water	6/15/2021		1.85	0.29	0.13	0.07	2.34	79%	12%	5%	3%	92%	0.66	0.08	1.62	2.37	28%	3%	69%		1.32
Seep-10	Waste rock pad	Contact water	6/6/2022		2.24	0.26	0.11	0.10	2.71	83%	10%	4%	4%	92%	0.70	0.04	2.08	2.82	25%	1%	74%		1.20
Seep-25	Waste rock pad	Contact water	6/11/2023		3.90	0.41	0.21	0.11	4.63	84%	9%	4%	2%	93%	1.48	0.28	2.91	4.68	32%	6%	62%		1.48
ULU-7	Waste rock pad	Contact water	7/31/2020		2.11	0.49	0.28	0.08	2.95	71%	16%	10%	3%	88%	1.18	0.13	1.79	3.10	38%	4%	58%		1.45

																								CMR
Sample ID Convention	**Area**	**Represents**	**Sampling Date**	**Interpretation**	**Ca**	**Mg**	**Na**	**K**	**Total**	**Ca**	**Mg**	**Na**	**K**	**Ca+ Mg**	**Alkalinity**	**Cl**	**SO4**	**Total**	**Alkalinity**	**Cl**	**SO4**		
Units				**g/mol**	40.08	24.31	22.99	39.09							100	35.45	96.07						**Ca+Mg/SO**
DL					**meq/L**	**meq/L**	**meq/L**	**meq/L**	**meq/L**	**Cation proportions**					**meq/L**	**meq/L**	**meq/L**	**meq/L**	**Anion proportions**				**4 mol/mol**
Seep-11	Waste rock pad	Contact water	6/15/2021		0.70	0.16	0.06	0.03	0.95	74%	16%	6%	3%	91%	0.50	0.08	0.48	1.06	47%	7%	45%		1.80
Seep-11	Waste rock pad	Contact water	6/6/2022		0.75	0.14	0.04	0.04	0.97	77%	14%	5%	4%	92%	0.44	0.03	0.54	1.01	44%	3%	54%		1.64
Seep-11	Waste rock pad	Contact water	6/11/2023		1.46	0.28	0.09	0.04	1.87	78%	15%	5%	2%	93%	0.74	0.08	1.10	1.92	39%	4%	57%		1.58
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	8/27/2020		3.15	1.02	1.38	0.11	5.67	56%	18%	24%	2%	74%	0.91	1.55	3.21	5.67	16%	27%	57%		1.30
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/29/2021		2.64	0.68	0.41	0.09	3.82	69%	18%	11%	2%	87%	1.18	0.39	2.91	4.49	26%	9%	65%		1.14
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	9/1/2021		3.10	0.74	0.60	0.09	4.52	69%	16%	13%	2%	85%	0.90	0.82	3.54	5.26	17%	16%	67%		1.08
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/28/2022		3.77	0.70	0.35	0.10	4.92	77%	14%	7%	2%	91%	1.00	1.21	3.33	5.54	18%	22%	60%		1.34
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/24/2022		4.22	0.96	0.70	0.11	6.00	70%	16%	12%	2%	86%	1.12	1.16	3.75	6.02	19%	19%	62%		1.38
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	6/11/2023		2.84	0.52	0.33	0.08	3.77	75%	14%	9%	2%	89%	0.76	0.51	2.50	3.77	20%	13%	66%		1.34
Seep-02	Waste rock pad	WR pad seep-surface flow in tundra	7/8/2023		3.90	0.94	0.51	0.11	5.46	71%	17%	9%	2%	89%	1.46	0.73	3.75	5.94	25%	12%	63%		1.29
Seep-26	Waste rock pad	WR pad seep-surface flow in tundra	6/12/2023		2.51	0.46	0.33	0.07	3.38	75%	14%	10%	2%	88%	0.60	0.56	2.29	3.45	17%	16%	66%		1.30
Seep-04	Waste rock pad	WR pad seep-surface flow in tundra	8/1/2020		1.98	0.52	0.43	0.08	3.01	66%	17%	14%	3%	83%	0.61	0.23	2.41	3.25	19%	7%	74%		1.03
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021		0.61	0.13	0.07	0.02	0.84	73%	16%	9%	3%	88%	0.24	0.06	0.56	0.86	28%	7%	65%		1.32
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/29/2021		1.27	0.40	0.41	0.05	2.13	60%	19%	19%	2%	79%	0.36	0.17	2.00	2.53	14%	7%	79%		0.84
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	9/1/2021		1.41	0.37	0.42	0.05	2.24	63%	17%	19%	2%	79%	0.30	0.17	2.04	2.51	12%	7%	81%		0.87
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022		1.56	0.37	0.20	0.03	2.16	72%	17%	9%	2%	89%	0.24	0.12	2.06	2.42	10%	5%	85%		0.93
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	7/24/2022		2.47	0.66	0.45	0.06	3.65	68%	18%	12%	2%	86%	0.28	0.16	3.12	3.57	8%	5%	88%		1.00
Seep-13	Waste rock pad-East l	WR pad-downstream flow into lake	6/12/2023		1.33	0.27	0.14	0.04	1.78	75%	15%	8%	2%	90%	0.09	0.09	1.33	1.51	6%	6%	88%		1.20
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	8/27/2020		1.52	0.42	0.78	0.09	2.81	54%	15%	28%	3%	69%	0.60	0.74	1.46	2.80	22%	26%	52%		1.33
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021		1.17	0.25	0.12	0.05	1.59	74%	16%	7%	3%	90%	0.52	0.10	1.10	1.73	30%	6%	64%		1.29
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022		2.75	0.61	0.39	0.07	3.83	72%	16%	10%	2%	88%	0.68	1.07	2.71	4.46	15%	24%	61%		1.24
Seep-14	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023		2.06	0.41	0.33	0.07	2.87	72%	14%	11%	2%	86%	0.66	0.42	1.79	2.87	23%	15%	62%		1.38
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/17/2021		0.43	0.14	0.06	0.02	0.65	66%	21%	10%	3%	87%	0.18	0.05	0.42	0.65	27%	8%	64%		1.37
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/30/2022		1.18	0.39	0.15	0.03	1.75	68%	22%	8%	2%	90%	0.24	0.21	1.50	1.94	12%	11%	77%		1.05
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	7/25/2022		1.90	0.67	0.25	0.05	2.87	66%	23%	9%	2%	90%	0.32	0.37	2.08	2.77	12%	13%	75%		1.23
Seep-15	Waste rock pad-East l	WR pad-downstream flow into lake	6/11/2023		0.95	0.29	0.13	0.03	1.40	68%	21%	10%	2%	89%	0.22	0.08	1.17	1.47	15%	6%	79%		1.06
Seep-19	Camp 3	Contact water?	7/30/2021		1.28	0.34	0.03	0.07	1.73	74%	20%	2%	4%		1.20	0.04	0.79	2.03	59%	2%	39%		2.05
Ref-03		Camp impacted background	6/14/2022		0.24	0.12	0.04	0.01	0.41	59%	29%	10%	3%	88%	0.13	0.18	0.02	0.33	40%	54%	6%		17.21
Ref-03		Camp impacted background	6/13/2023		0.37	0.17	0.06	0.01	0.60	61%	28%	9%	2%	89%	0.16	0.26	0.08	0.50	31%	52%	17%		6.43
Ref-03		Camp impacted background	7/3/2023		0.53	0.26	0.07	0.01	0.87	61%	29%	8%	1%	90%	0.20	0.54	0.10	0.83	24%	64%	12%		7.70
Ref-06		Background	7/3/2022		0.10	0.05	0.03	0.00	0.19	55%	26%	18%	2%	80%	0.09	0.03	0.07	0.19	46%	15%	39%		2.04
Ref-06		Background	6/13/2023		0.10	0.04	0.02	0.00	0.16	62%	25%	11%	2%	87%	0.07	0.03	0.07	0.17	40%	17%	43%		1.95
Ref-06		Background	7/3/2023		0.18	0.06	0.02	0.00	0.26	67%	24%	8%	2%	91%	0.11	0.03	0.11	0.25	43%	11%	46%		2.08

Notes

Renamed ID's

Italics <DL

Calculated from other value

Additional Field Data From Ore Pad Seeps

Sample ID Convention	Sampling Date	Time (24hr)	Sampled by	pH	EC	Flow	DO	ORP	ORP (Eh)
				pH units	uS/cm	L/s	mg/L	mV	mV
Seep-01	7/25/2020	15:15	AS	7.0	570	<0.017	#N/A	#N/A	#N/A
Seep-01	8/2/2020	14:35	AS	6.1	730	<0.017	#N/A	#N/A	#N/A
Seep-01	8/3/2022		LW+KK	5.9	1213	0	7	254	454
Seep-01	8/9/2022	14:00	LW+ML	6.1	1091	0	7.9	185	385
Seep-01	8/16/2022	17:12	ML	6.3	989	0	7.9	146	346
Seep-01	8/23/2022	14:01	ML	6.2	1001	0	8.9	153	353
Seep-01	1-Jul-2023	11:33	ML, Avalak	6.3	551	0		96	296
Seep-01	8-Jul-2023	9:07	OR, JB	6.5	1149	0	1.07	92	292
Seep-01	27-Jul-2023	9:08	RE, ML	6.4	1075	0	4.2	45	245
Seep-01a	7/25/2020		AS	6.8	730			#N/A	#N/A
Seep-05	7/25/2020	10:35	AS	6.4	380	0.08	#N/A	#N/A	#N/A
Seep-05	8/2/2020	14:20	AS	5.5	460	?	#N/A	#N/A	#N/A
Seep-05	8/3/2022		LW+KK	4.6	1016	0	10.3	488	688
Seep-05	8/9/2022	14:00	LW+ML	5.0	981	0	9.2	380	580
Seep-05	8/12/2022	16:00	Lw+ML	5.1	1092	0	8.5	395	595
Seep-05	8/16/2022	17:00	ML	5.1	885	0	6.1	306	506
Seep-05	8/23/2022	13:43	ML	5.5	880	**0**	9	204	404
Seep-05	6/19/2023	13:52	OR ML JK	5.7	154	**0**	#N/A	148	348
Seep-05	1-Jul-2023	10:53	ML, Avalak	6.2	216	0	#N/A	165	365
Seep-05	8-Jul-2023	9:36	OR, JB	6.1	417	0	1.56	114	314
Seep-05	7/16/2023	11:23	or	5.4	810	0	1.42	172	372
Seep-05	7/27/2023	9:26	RE, ML	4.8	1101	0	6.4	168	368
ULU-8a	7/25/2020		AS	7.7	620	0.5		#N/A	#N/A
ULU-8b	7/25/2020		AS	7.7	550	0.2		#N/A	#N/A
ULU-8c	7/25/2020		AS	7.2	860	0.3		#N/A	#N/A
ULU-8d	7/25/2020		AS	7.1	820	0.5		#N/A	#N/A
ULU-8A	7/29/2023	10:17	RE, ML	7.0	945	0	7.6	116	316
ULU-8	8/3/2022		LW+KK	6.0	1212	0	7.7	323	523
ULU-8	8/9/2022	14:00	LW+ML	6.3	1315	0	5.1	312	512
ULU-8	8/16/2022	17:26	ML	6.5	1490	0	4.7	157	357
ULU-8	8/23/2022	14:16	ML	6.7	1660	0	5.5	150	350
ULU-8	7/27/2023	8:40	RE, ML	6.3	938	0	4.8	134	334
ULU-8	7/29/2023	10:09	RE, ML	6.8	949	0	4	127	327
Seep-23	7/1/2023	11:47	ML, Avalak	6.7	664	0	#N/A	90	290
Seep-23	7/7/2023	15:10		7.2	674	0	1.29	157	357
Seep-23	7/16/2023	10:44	or	7.0	731	0	#N/A	144	344
Seep-23	7/27/2023	8:55	RE, ML	7.0	776	0	8.5	124	324
Seep-22	6/10/2023	9:10	ML, OR,KK	6.4	264	0	#N/A	51	251
Seep-22	19-Jun-2023	13:40	OR, ML, JK	5.9	479	0	#N/A	#N/A	#N/A
Seep-22	1-Jul-2023	11:12	ML, Avalak	6.1	581	0	#N/A	111	311
SEEP 05 SW+15	7/27/2023	9:41	RE, ML	6.0	480	0	7.7	171	371
Seep-06	6/20/2023	10:59	OR, EH	6.2	193	0.02	#N/A	118	318
Seep-12	7/1/2023	10:33	ML, Avalak	6.2	59	#N/A	#N/A	135	335

DO mg/L calculated from % reading

Additional Field Data From Camp Pad and Waste Rock Pad Seeps

Sample ID Convention	Area	Sampling Date	Time (24hr)	Sampled by	pH	EC (uS/cm)	Flow (L/s)	DO (mg/L)	ORP (mV)	Eh (mv)
Seep-03	Camp pad	6/20/2023	8:30	OR, EH	6.85	462	0		124	324
Seep-03	Camp pad	7/8/2023	10:27	OR, JB	6.89	414	0	14	116	316
Seep-03	Camp pad	7/16/2023	8:57	or	7.28	489	0	19.6	145	345
Seep-21	Camp pad	6/20/2023	8:56	OR, EH	7.11	545	0		150	350
Seep-21	Camp pad	7/27/2023	13:16	RE, ML	7.04	304	0	3.4	122	322
Seep-07	Camp pad	6/10/2023	14:40	OR, KK	7.18	95	0		71	271
Seep-07	Camp pad	6/19/2023	15:42	OR	6.14	170			155	355
Seep-07	Camp pad	7/1/2023	15:11	ML, Avalak	6.89	187	0		125	325
Seep-08	Camp pad	7/1/2023	14:11	ML, Avalak	7.64	380	0		122	322
Seep-08	Camp pad	7/29/2023	10:46	RE, ML	7.46	599	0	6.2	78	278
Seep-17	Camp pad	7/1/2023	13:44	ML, Avalak	7.81	347	0		131	331
Seep-20	Camp pad	7/1/2023	13:55	ML, Avalak	7.39	320	na		127	327
Seep-02	Waste Rock Pad	7/27/2023	10:59	RE, ML	6.64	642	0	10.2	160	360
Seep-11	Waste Rock Pad	6/20/2023	10:35	OR, EH	7.45	239			131	331
Seep-11	Waste Rock Pad	7/1/2023	12:46	ML, Avalak	7.48	352	0		143	343
Seep-11	Waste Rock Pad	7/7/2023	13:54	OR, TM	7.26	653	0	14.3	221	421
Seep-11	Waste Rock Pad	7/27/2023	11:19	RE, ML	7.06	525	0	5.3	151	351

Appendix D Seepage and Test Pit Co-ordinates

WGS84 UTM Zone 12N			Notes
Seep	**Easting**	**Northing**	
Seep-01	501162	7420747	
Seep-02	501551	7420979	
Seep-03	501480	7421283	Updated.
Seep-04	501512	7420885	
Seep-05	501071	7420847	
Seep-06	501540	7420721	
Seep-07	501338	7421254	
Seep-08	501399	7421259	
Seep-09	501494	7421015	
Seep-10	501488	7420971	
Seep-11	501405	7420924	
Seep-12	500934	7420797	
Seep-13	501557	7420863	
Seep-14	501572	7420885	
Seep-15	501620	7420926	
Seep-16	501387	7421054	
Seep-17	501514	7421310	
Seep-18	501547	7421313	Removed from monitoring as too close to Seep-17
Seep-19	499918	7415390	Camp 3, monitoring not required
Seep-20	501611	7421348	
Seep-21	501508	7421258	
Seep-22	501097	7420786	
Seep-23	501227	7420775	
Seep-24	501339	7421024	
Seep-25	501478	7420948	
Seep-26	501560	7420935	
ULU-7	501429	7420938	
ULU-8	501252	7420805	
ULU-15	501524	7421075	
Loc-01	501467	7421309	Intermediate flow point from Seep-08 to Seep-18

Test Pit	Easting	Northing
TP23-01	501091	7420840
TP23-02	501128	7420856
TP23-03	501147	7420865
TP23-04	501193	7420887
TP23-05	501109	7420798
TP23-06	501144	7420824
TP23-07	501201	7420838
TP23-08	501238	7420870
TP23-09	501168	7420775
TP23-10	501216	7420810
TP23-11	501254	7420829
TP23-12	501412	7421067
TP23-13	501447	7421010
TP23-14	501469	7421034
TP23-15	501373	7420995
TP23-16	501363	7420929
TP23-17	501406	7420973
TP23-18	501424	7421051
TP23-19	501419	7421031
TP23-20	501338	7421023
TP23-21	501335	7421004
TP23-22	501462	7420970
TP23-23	501345	7421237
TP23-24	501413	7421270
TP23-25	501458	7421284
TP23-26	501493	7421258
TP23-27	501525	7421224
TP23-28	501567	7421193
TP23-29	501593	7421152
TP23-30	501117.5	7420858