

APPENDIX A
2022 Land Tenure

Claim Number	Tenure Type	Tenure Name	Record Date	Anniversary Date	Hectares	Owner
100039	Claim	DIP 01	8-Nov-21	8-Nov-24	1234.91	ValOre Metals Corp. (100%)
100040	Claim	DIP 02	8-Nov-21	8-Nov-24	1234.91	ValOre Metals Corp. (100%)
100041	Claim	KU 1	8-Nov-21	8-Nov-24	671.97	ValOre Metals Corp. (100%)
100042	Claim	KU 2	8-Nov-21	8-Nov-24	634.65	ValOre Metals Corp. (100%)
100043	Claim	KU 3	8-Nov-21	8-Nov-24	560.02	ValOre Metals Corp. (100%)
100044	Claim	KU 4	8-Nov-21	8-Nov-24	466.68	ValOre Metals Corp. (100%)
100045	Claim	KU 5	8-Nov-21	8-Nov-24	634.65	ValOre Metals Corp. (100%)
100046	Claim	KU 6	8-Nov-21	8-Nov-24	934.34	ValOre Metals Corp. (100%)
100047	Claim	KU 7	8-Nov-21	8-Nov-24	1121.20	ValOre Metals Corp. (100%)
100048	Claim	KU 8	8-Nov-21	8-Nov-24	1121.20	ValOre Metals Corp. (100%)
100049	Claim	KU 9	8-Nov-21	8-Nov-24	1121.20	ValOre Metals Corp. (100%)
100050	Claim	KU 10	8-Nov-21	8-Nov-24	1121.20	ValOre Metals Corp. (100%)
100051	Claim	KU 11	8-Nov-21	8-Nov-24	672.53	ValOre Metals Corp. (100%)
100122	Claim	KU 17	8-Nov-21	8-Nov-24	1122.73	ValOre Metals Corp. (100%)
100123	Claim	KU 18	8-Nov-21	8-Nov-24	1122.74	ValOre Metals Corp. (100%)
100124	Claim	KU 19	8-Nov-21	8-Nov-24	1122.74	ValOre Metals Corp. (100%)
100125	Claim	KU 20	8-Nov-21	8-Nov-24	1122.74	ValOre Metals Corp. (100%)
100121	Claim	KU 21	8-Nov-21	8-Nov-24	1197.65	ValOre Metals Corp. (100%)
101144	Claim	KV 16	3-Sep-21	3-Sep-27	1306.05	ValOre Metals Corp. (100%)
101429	Claim	KV 27	3-Sep-21	3-Sep-27	1121.15	ValOre Metals Corp. (100%)
100319	Claim	VK 1	13-Sep-21	13-Sep-23	1195.98	ValOre Metals Corp. (100%)
100320	Claim	TAL 2	1-Nov-21	1-Nov-23	1114.33	ValOre Metals Corp. (100%)
100321	Claim	TAL 7	1-Nov-21	1-Nov-23	1112.77	ValOre Metals Corp. (100%)
100322	Claim	VGR-5	18-May-21	18-May-24	1430.97	ValOre Metals Corp. (100%)
101511	Claim	ANG1	26-Oct-21	26-Oct-23	1234.91	ValOre Metals Corp. (100%)
101513	Claim	ANG2	26-Oct-21	26-Oct-23	1122.57	ValOre Metals Corp. (100%)
101514	Claim	ANG3	26-Oct-21	26-Oct-23	1122.57	ValOre Metals Corp. (100%)
101515	Claim	ANG4	26-Oct-21	26-Oct-23	934.20	ValOre Metals Corp. (100%)
102065	Claim	ANG5	26-Oct-21	26-Oct-23	934.20	ValOre Metals Corp. (100%)
102066	Claim	ANG6	26-Oct-21	26-Oct-23	1121.03	ValOre Metals Corp. (100%)
102067	Claim	ANG7	26-Oct-21	26-Oct-23	1121.03	ValOre Metals Corp. (100%)
102068	Claim	ANG8	26-Oct-21	26-Oct-23	653.17	ValOre Metals Corp. (100%)
102069	Claim	ANG9	26-Oct-21	26-Oct-23	802.45	ValOre Metals Corp. (100%)
101516	Claim	ANG10	26-Oct-21	26-Oct-23	1195.27	ValOre Metals Corp. (100%)
102070	Claim	ANG11	26-Oct-21	26-Oct-23	560.21	ValOre Metals Corp. (100%)
101517	Claim	ANG12	26-Oct-21	26-Oct-23	1175.29	ValOre Metals Corp. (100%)
102071	Claim	ANG13	26-Oct-21	26-Oct-23	1119.44	ValOre Metals Corp. (100%)
101518	Claim	ANG14	26-Oct-21	26-Oct-23	1044.84	ValOre Metals Corp. (100%)
102072	Claim	ANG15	26-Oct-21	26-Oct-23	1306.12	ValOre Metals Corp. (100%)
101519	Claim	ANG16	26-Oct-21	26-Oct-23	671.97	ValOre Metals Corp. (100%)
102073	Claim	ANG17	26-Oct-21	26-Oct-23	1006.53	ValOre Metals Corp. (100%)
101520	Claim	ANG18	26-Oct-21	26-Oct-23	1229.92	ValOre Metals Corp. (100%)
102074	Claim	ANG19	26-Oct-21	26-Oct-23	1006.32	ValOre Metals Corp. (100%)
102075	Claim	ANG20	26-Oct-21	26-Oct-23	168.10	ValOre Metals Corp. (100%)
101521	Claim	ANG22	26-Oct-21	26-Oct-23	1286.96	ValOre Metals Corp. (100%)
101522	Claim	ANG23	26-Oct-21	26-Oct-23	1120.59	ValOre Metals Corp. (100%)
102733	Claim	ANG31	19-Nov-21	19-Nov-23	1854.95	ValOre Metals Corp. (100%)
102734	Claim	ANG32	19-Nov-21	19-Nov-23	1742.48	ValOre Metals Corp. (100%)
102735	Claim	ANG33	19-Nov-21	19-Nov-23	1686.20	ValOre Metals Corp. (100%)
102736	Claim	ANG34	20-Nov-21	20-Nov-23	1010.38	ValOre Metals Corp. (100%)
102737	Claim	ANG35	20-Nov-21	20-Nov-23	1177.97	ValOre Metals Corp. (100%)
102738	Claim	ANG36	20-Nov-21	20-Nov-23	1345.89	ValOre Metals Corp. (100%)
102739	Claim	ANG37	20-Nov-21	20-Nov-23	1046.01	ValOre Metals Corp. (100%)
102802	Claim	ANG38	14-Feb-22	14-Feb-24	1867.50	ValOre Metals Corp. (100%)
102803	Claim	ANG39	14-Feb-22	14-Feb-24	1566.66	ValOre Metals Corp. (100%)
	Lease	L-6247	29-Aug-18	28-Aug-39	198.00	ValOre Metals Corp. (100%)

Total Mineral Tenure Area (ha) 59933.00

APPENDIX B

2022 RC Drilling: Collar Table and Site Reclamation Photos

2022 Dipole RC Drill Hole Coordinates

Target Area	Drill Hole ID	X_E_N83Z14	Y_N_N83Z14	Azimuth (°)	Dip (°)	EOH (ft)	EOH (m)	Start	End
Dipole	RC22-DP-001	492959	6932246	135	-45	330	100.58	22-Apr-22	23-Apr-22
Dipole	RC22-DP-002	492959	6932246	135	-55	420	128.02	23-Apr-22	25-Apr-22
Dipole	RC22-DP-003	493028	6932314	135	-45	330	100.58	26-Apr-22	29-Apr-22
Dipole	RC22-DP-004	493028	6932314	135	-60	395	120.40	29-Apr-22	30-Apr-22
Dipole	RC22-DP-005	492920	6932216	135	-45	365	111.25	30-Apr-22	2-May-22
Dipole	RC22-DP-006	492920	6932216	135	-60	365	111.25	2-May-22	5-May-22
Dipole	RC22-DP-007	492920	6932216	135	-75	600	182.88	5-May-22	11-May-22
Dipole	RC22-DP-008	493142	6932410	135	-45	330	100.58	13-May-22	14-May-22
Dipole	RC22-DP-009	493142	6932410	135	-55	395	120.40	14-May-22	14-May-22
Dipole	RC22-DP-010	493253	6932515	135	-45	330	100.58	14-May-22	15-May-22
Dipole	RC22-DP-011	493253	6932515	135	-55	400	121.92	15-May-22	16-May-22
Dipole	RC22-DP-012	492778	6932072	135	-45	340	103.63	16-May-22	17-May-22
Dipole	RC22-DP-013	492778	6932072	135	-65	450	137.16	17-May-22	23-May-22
Dipole	RC22-DP-014	492870	6932204	135	-60	525	160.02	23-May-22	24-May-22
Dipole	RC22-DP-015	492870	6932204	135	-70	660	201.17	24-May-22	26-May-22
Dipole	RC22-DP-016	493840	6933058	135	-45	330	100.58	26-May-22	27-May-22
Dipole	RC22-DP-017	493840	6933058	135	-65	460	140.21	27-May-22	27-May-22

2022 Dipole RC Drill Site Reclamation Photos



RC22-DP-001, RC22-DP-002



RC22-DP-003, RC22-DP-004



RC22-DP-005, RC22-DP-006, RC22-DP-007



RC22-DP-008, RC22-DP-009 (Same Collar location as 22-DP-001 and 22-DP-002)



RC22-DP-010, RC22-DP-011



RC22-DP-012, RC22-DP-013



RC22-DP-014, RC22-DP-015



RC22-DP-016, RC22-DP-017

2022 Yat RC Drill Hole Coordinates

Target Area	Drill Hole ID	X_E_N83Z14	Y_N_N83Z14	Azimuth (°)	Dip (°)	EOH (ft)	EOH (m)	Start	End
Yat	RC22-YAT-001	503870	6935121	135	-45	265	80.77	28-May-22	29-May-22
Yat	RC22-YAT-002	503859	6935107	135	-45	265	80.77	29-May-22	30-May-22
Yat	RC22-YAT-003	503859	6935107	135	-65	365	111.25	30-May-22	31-May-22
Yat	RC22-YAT-004	503870	6935121	135	-65	360	109.73	04-Jun-22	05-Jun-22

2022 Yat RC Drill Site Reclamation Photos



RC22-YAT-001, RC22-YAT-004



RC22-YAT-002, RC22-YAT-003

2022 Jay 4 West RC Drill Hole Coordinates

Target Area	Drill Hole ID	X_E_N83Z14	Y_N_N83Z14	Azimuth (°)	Dip (°)	EOH (ft)	EOH (m)	Start	End
J4West	RC22-J4W-001	521698	6939137	026	-45	360	109.73	06-Jun-22	07-Jun-22
J4West	RC22-J4W-002	521698	6939137	026	-65	425	129.54	07-Jun-22	08-Jun-22
J4West	RC22-J4W-003	521870	6939052	026	-45	265	80.77	08-Jun-22	11-Jun-22
J4West	RC22-J4W-004	521870	6939052	026	-65	360	109.73	10-Jun-22	11-Jun-22
J4West	RC22-J4W-005	522061	6938984	026	-45	265	109.73	11-Jun-22	12-Jun-22
J4West	RC22-J4W-006	522061	6938984	026	-65	430	131.06	13-Jun-22	14-Jun-22

2022 Jay 4 West RC Drill Site Reclamation Photos



RC22-J4W-001, RC22-J4W-002



RC22-J4W-003, RC22-J4W-004



RC22-J4W-005, RC22-J4W-006

APPENDIX C
2022 Soil Sampling Data

status	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast_avg_clast_geomtry	hor_thick	smple_note	gps	site_photo_direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.5592429	-98.46889626	62.55924	-98.4689	14	527306.3	693595	F545951	378			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			30 Dark Brown	Matrix Supported Clasts,Clay Rich			<1 mm	Sub-Rounded	>10	3 out of 5		180	NW	
Regular Sample	62.55971105	-98.46894857	62.55971	-98.4689	14	527302.3	6936647	F545952	379			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	gentle	Wet	B			10 Red Brown	Matrix Supported Clasts,Sandy,Clay Rich			>10 mm	Angular	>10	4 out of 5	Possible C horizon	180	N	
Regular Sample	62.56015416	-98.46892813	62.56015	-98.469	14	527301.1	6936697	F545953	380			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			10 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		181	S	
Regular Sample	62.56051457	-98.4690012	62.56051	-98.469	14	527299.7	6936748	F545954	381			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	A			10 Red Brown	Matrix Supported Clasts,Sandy			<1 mm	Sub-Angular	>10	5 out of 5		172	N	
Regular Sample	62.5610603	-98.46912391	62.56106	-98.4691	14	527292.9	6936798	F545955	382			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5	High sand content	176	S	
Regular Sample	62.56151513	-98.46926607	62.56152	-98.4693	14	527285.7	6936848	F545956	383			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			10 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	2 out of 5	Possible till	166	N	
Regular Sample	62.56191542	-98.46919164	62.56192	-98.4692	14	527288.7	6936893	F545957	384			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	B			20 Red Brown	Matrix Supported Clasts,Sandy			<1 mm	Sub-Angular	>10	4 out of 5		168	N	
Regular Sample	62.56238971	-98.46920913	62.56239	-98.4694	14	527277.1	6936946	F545958	385			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			7 Red Brown	Sandy,No Clasts			<1 mm	Sub-Angular	>10	4 out of 5	Silty sand	152	NE	
Regular Sample	62.56283472	-98.46942265	62.56283	-98.4694	14	527276	6936995	F545959	386			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			10 Red Brown	Matrix Supported Clasts,Sandy			<1 mm	Sub-Angular	>10	4 out of 5		163	N	
22H																																	
Regular Sample	62.56330257	-98.46947294	62.5633	-98.4695	14	527273	6937047	F545961	387			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			1-10 mm	Sub-Angular	>10	4 out of 5		170	N	
Regular Sample	62.56371919	-98.46950919	62.56372	-98.4695	14	527272.7	6937093	F545962	388			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	1 out of 5		161	W	
Regular Sample	62.56418358	-98.46961979	62.56418	-98.4696	14	527264.6	6937145	F545963	389			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	3 out of 5		175	N	
Regular Sample	62.56462958	-98.46968178	62.56463	-98.4697	14	527261	6937195	F545964	390			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			20 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	4 out of 5		184	N	
Regular Sample	62.56507585	-98.46976765	62.56508	-98.4698	14	527256.2	6937245	F545965	391			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			20 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		180	N	
Regular Sample	62.56531656	-98.46981119	62.56532	-98.4698	14	527253.5	6937294	F545966	392			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		170	N	
Regular Sample	62.56597678	-98.46989173	62.56598	-98.4699	14	527249	6937345	F545968	377			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			<1 mm	Sub-Angular	>10	4 out of 5		180	E	
Regular Sample	62.56642392	-98.46997585	62.56642	-98.47	14	527244.2	6937395	F545968	376			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			5 Red Brown	Matrix Supported Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		145	NE	
Regular Sample	62.56687898	-98.47006336	62.56688	-98.4701	14	527239.3	6937445	F545969	395			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			10 Red Brown	Sandy,No Clasts,Clay Rich				Sub-Angular	>10	4 out of 5		178	NE	
Regular Sample	62.56732523	-98.47013678	62.56733	-98.4701	14	527235.1	6937495	F545970	396			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			15 Red Brown	Matrix Supported Clasts,Clay Rich				Sub-Angular	>10	4 out of 5		170	N	
Regular Sample	62.56778569	-98.47017769	62.56779	-98.4702	14	527232.3	6937546	F545971	397			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			5 Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	>10	3 out of 5		162	E	
Regular Sample	62.56824088	-98.47023468	62.56824	-98.4702	14	527229.3	6937597	F545972	398			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	gentle	Wet	B			5 Red Brown	Matrix Supported Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		176	N	
Regular Sample	62.56868742	-98.47022119	62.56869	-98.4703	14	527224.4	6937647	F545973	399			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			5 Red Brown	Matrix Supported Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		175	N	
Regular Sample	62.56913626	-98.47038019	62.56914	-98.4704	14	527221	6937697	F545974	400			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			10 Red Brown	Matrix Supported Clasts,Clay Rich			>10 mm	Sub-Rounded	>10	4 out of 5		180	N	
Regular Sample	62.56959587	-98.4704677	62.5696	-98.4705	14	527216.1	6937748	F545975	401			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			15 Red Brown	Matrix Supported Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		179	N	
Regular Sample	62.57000043	-98.47060043	62.57006	-98.4706	14	527214.7	6937784	F545976	403			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			25 Light Brown-Grey	Matrix Supported Clasts			>10 mm	Sub-Angular	>10	4 out of 5	Frozen	180	SE	
Regular Sample	62.57091652	-98.47065946	62.57092	-98.4707	14	527205	6937895	F545977	404			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			35 Light Brown-Grey	Matrix Supported Clasts			>10 mm	Sub-Angular	>10	2 out of 5		176	SE	
Regular Sample	62.57135847	-98.47072586	62.57136	-98.4707	14	527201.2	6937944	F545978	405			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			35 Light Brown-Grey	Matrix Supported Clasts			1-10 mm	Sub-Angular	1 to 10	2 out of 5	On top of large regoli	177	S	
Regular Sample	62.57181466	-98.47079196	62.57181	-98.4708	14	527197	6937995	F545979	406			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Wet	B			35 Light Brown-Grey	Matrix Supported Clasts,Sandy,No Clasts				Sub-Angular	>10	2 out of 5		191	E	
23b																																	
Regular Sample	62.56538082	-98.48307359	62.56531	-98.4831	14	526572	6937265	F545981	324			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Moist	B			5 Red Brown	Clast Supported			>10 mm	Sub-Angular	>10	1 out of 5	Possible till	176	SE	
Regular Sample	62.56487878	-98.48359092	62.56488	-98.4835	14	526550	6937217	F545982	323			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	steep	Moist	B			5 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5	Possible till	172	SW	
Regular Sample	62.56444953	-98.48394444	62.56445	-98.4839	14	526528	6937169	F545983	322			7/16/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	till	gentle	Dry	B			5 Brown	Clast Supported,Sandy			>10 mm	Sub-Rounded	>10	1 out of 5	Till	160	NE
Regular Sample	62.56434486	-98.48793391	62.56434	-98.4879	14	526323	6937156	F545984	295			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	steep	Dry	B			10 Red Brown	Clast Supported,Gravelly			>10 mm	Sub-Angular	>10	1 out of 5	Till	180	E	
Regular Sample	62.56474991	-98.48718973	62.56475	-98.4875	14	526344	6937201	F545985	296			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	till	gentle	Dry	B			15 Red Brown	Matrix Supported,Gravelly			>10 mm	Sub-Angular	>10	3 out of 5	Till	180	SE
Regular Sample	62.56517916	-98.48708335	62.56518	-98.4871	14	526366	6937249	F545986	297			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	A			10 Red Brown	Clast Supported,Gravelly			>10 mm	Sub-Angular	>10	3 out of 5	Till	180	SE	
Regular Sample	62.56561326	-98.4866317	62.56561	-98.4866	14	526388.8	6937298	F545987	298			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	B			10 Red Brown	Matrix Supported Clasts,Sandy,Gravelly			>10 mm	Sub-Angular	>10	3 out of 5	Till	160	E	
Regular Sample	62.56605054	-98.48623306	62.56606	-98.4862	14	526408.9	6937347	F545988	299			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	B			10 Red Brown	Clast Supported,Sandy,Gravelly			>10 mm	Sub-Rounded	>10	3 out of 5	Till	190	SE	
Regular Sample	62.56647721	-98.48577809	62.56648	-98.4858	14	526431.9	6937394	F545989	300			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	moderate	Dry	B			20 Red Brown	Clast Supported,Sandy,Gravelly			>10 mm	Sub-Angular	>10	3 out of 5	Till	151	NE	
Regular Sample	62.56690872	-98.4902224	62.56691	-98.4902	14	526204	6937329	F545990	278			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	B			20 Red Brown	Clast Supported,Sandy,Gravelly			>10 mm	Sub-Angular	>10	2 out of 5	Till	176	SE	
Regular Sample	62.56636847	-98.4897957	62.56637	-98.4898	14	526225.5	6937380	F545991	279			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	B			10 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		152	E	
Regular Sample	62.56677395	-98.48931659	62.56677	-98.4893	14	526248.9	6937426	F545992	280			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	flat	Dry	B			20 Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	3 out of 5		170	NW	
Regular Sample	62.56690941	-98.48532043	62.56691	-98.4853	14	526455.1	6937442	F545993	301			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	gentle	Dry	B			20 Red Brown	Clast Supported,Sandy,Gravelly			1-10 mm	Sub-Angular	>10	4 out of 5		171	N	
Regular Sample	62.56734344	-98.48533398	62.56734	-98.4853	14	526454	6937491	F545994	302			7/17/2022	Chase McKay	Unikely Disturbed	Tundra	Plains	gentle	B															

status	latitude	longitude	latitude	longitude	utm_zone	utm_east1	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast	clast_geometry	hor_thick	sample_q	smple_note	cps	site_photo_direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.57076062	-98.47470559	62.57076	-98.4747	14	526997.2	6937876	F546062	372			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			35	Light Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	164	W					
Regular Sample	62.57030994	-98.47461272	62.57031	-98.4746	14	527002.4	6937826	F546063	373			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Light Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	181	E					
Regular Sample	62.56985159	-98.47452159	62.56987	-98.4745	14	527007.6	6937776	F546064	374			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			25	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	153	S					
Regular Sample	62.56941366	-98.47448699	62.56941	-98.4745	14	527009.7	6937726	F546065	370			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			25	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	155	W					
Regular Sample	62.56896884	-98.47439647	62.56897	-98.4744	14	527014.7	6937676	F546066	369			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	181	W					
Regular Sample	62.56852575	-98.47432975	62.56853	-98.4743	14	527018.5	6937627	F546067	368			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			25	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	175	N					
Regular Sample	62.56806603	-98.4742523	62.56807	-98.4743	14	527022.9	6937576	F546068	367			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			25	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	178	E					
Regular Sample	62.56742612	-98.47422612	62.56742	-98.4742	14	527027.4	6937527	F546069	366			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	180	E					
Regular Sample	62.56716722	-98.47414937	62.56717	-98.4741	14	527029	6937476	F546070	365			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			15	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	183	W					
Regular Sample	62.56672699	-98.47402263	62.56673	-98.474	14	527036	6937427	F546071	364			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			10	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	192	NE					
Regular Sample	62.56625613	-98.47395981	62.56627	-98.474	14	527037.8	6937375	F546072	363			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			10	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	190	W					
Regular Sample	62.56584956	-98.47389456	62.56583	-98.4739	14	527039.4	6937327	F546073	362			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			10	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	3 out of 5	182	W					
Regular Sample	62.57338282	-98.47383282	62.56537	-98.4738	14	527046.7	6937276	F546074	361			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	184	W					
Regular Sample	62.56492956	-98.47378258	62.56493	-98.4738	14	527049.9	6937227	F546075	360			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	3 out of 5	178	E					
Regular Sample	62.56447987	-98.47369742	62.56448	-98.4737	14	527054.7	6937177	F546076	359			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			40	Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	3 out of 5	188	W					
Regular Sample	62.56358512	-98.47350866	62.56359	-98.4735	14	527065.2	6937077	F546077	358			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	175	E					
Regular Sample	62.56312705	-98.47350361	62.56313	-98.4735	14	527066	6937026	F546078	357			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			25	Light Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	180	E					
Regular Sample	62.56265856	-98.47345602	62.56269	-98.4735	14	527068.8	6936977	F546079	356			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			40	Dark Brown	Clay Rich		1-10 mm	Sub-Angular	1 to 10	2 out of 5	170	W					
Regular Sample	62.56223815	-98.47337991	62.56224	-98.4734	14	527073.1	6936927	F546081	355			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	178	E					
Regular Sample	62.56206089	-98.4642154	62.56206	-98.4648	14	526848.7	6937075	F546082	320			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Orange Brown	Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5	173	S					
Regular Sample	62.56401512	-98.48439205	62.56402	-98.4844	14	526505.4	6937120	F546083	321			7/16/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			45	Dark Brown	Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5	161	W					
Regular Sample	62.5575864	-98.49088702	62.55759	-98.4909	14	526177.1	6936402	F546084	309			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	A			25	Red	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	180	W					
Regular Sample	62.55801718	-98.49046726	62.55802	-98.4905	14	526198.4	6936450	F546085	310			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			25	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	178	E					
Regular Sample	62.55930239	-98.4917779	62.5593	-98.4892	14	526203.5	6936593	F546086	313			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			10	Red Brown	Gravelly		1-10 mm	Sub-Angular	1 to 10	2 out of 5	need to filter outbgn	187	S				
Regular Sample	62.5597212486	-98.48972483	62.55972	-98.4897	14	526204.6	6936640	F546087	314			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			10	Red Brown	Fluvial?		1-10 mm	Sub-Angular	1 to 10	2 out of 5	177	W					
Regular Sample	62.56017749	-98.4882126	62.56018	-98.4883	14	526308	6936691	F546088	315			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			5	Light Brown	Fluvial?		1-10 mm	Sub-Angular	1 to 10	2 out of 5	177	W					
Regular Sample	62.56058553	-98.48782293	62.56059	-98.4878	14	526332	6936737	F546089	316			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Dry	A			10	Red Brown	Fluvial?		1-10 mm	Sub-Angular	1 to 10	2 out of 5	172	W					
Regular Sample	62.56105167	-98.4874125	62.56102	-98.4874	14	526352.5	6936785	F546090	317			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			35	Red Brown	Gravelly		1-10 mm	Sub-Angular	1 to 10	1 out of 5	179	E					
Regular Sample	62.56187154	-98.48554592	62.56187	-98.4866	14	526393.1	6936881	F546091	319			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Red Brown	Matrix Supported Clasts,Clast Supported		1-10 mm	Sub-Angular	1 to 10	1 out of 5	190	N					
Regular Sample	62.56148116	-98.48956082	62.56148	-98.4906	14	525779.2	6936832	F546092	265			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			20	Light Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	1 out of 5	165	W					
Regular Sample	62.56105721	-98.49904033	62.56106	-98.499	14	525758.6	6936785	F546093	264			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	A			20	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	190	W					
Regular Sample	62.56062183	-98.49940337	62.56062	-98.4994	14	525736.6	6936736	F546094	263			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			20	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	3 out of 5	180	W					
Regular Sample	62.56048081	-98.50344077	62.56048	-98.5034	14	525529.2	6936719	F546095	254			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			25	Red Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	1 to 10	2 out of 5	192	W					
Regular Sample	62.56093414	-98.50299887	62.56093	-98.503	14	525515.5	6936767	F546096	256			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			35	Light Brown	Clay Rich		1-10 mm	Sub-Angular	1 to 10	2 out of 5	160	E					
Regular Sample	62.56136496	-98.50275058	62.56136	-98.5026	14	525572.9	6936818	F546097	256			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			40	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	192	E					
Regular Sample	62.561779	-98.50215632	62.56178	-98.5022	14	525594.1	6936864	F546098	257			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	A			40	Red	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	166	W					
Regular Sample	62.56221143	-98.50171007	62.56221	-98.5017	14	525616.7	6936912	F546099	258			7/17/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			30	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	2 out of 5	170	E					
Regular Sample	62.5748928	-98.46480723	62.57429	-98.4648	14	527504.3	6938073	F546101	443			7/15/2022	Chase McKay	Unlikely Disturbed	tundra	Plains	flat	Wet	B			25	Dark Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	>10	2 out of 5	156	S					
Regular Sample	62.56843252	-98.46420525	62.56843	-98.4642	14	527539	6937621	F546102	434			7/16/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			20	Light Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	>10	3 out of 5	183	N					
Regular Sample	62.56798344	-98.464135	62.56798	-98.4641	14	527543	6937571	F546103	433			7/16/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	A			16	Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5	191	N					
Regular Sample	62.56753437	-98.46405676	62.56753	-98.4641	14	527547	6937521	F546104	432			7/16/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			25	Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5	190	N					
Regular Sample	62.56708513	-98.46390602	62.56709	-98.464	14	527551	6937471	F546105	431			7/16/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			32	Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5	16						

	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	slope	soil_moist	soil_hor	sample_desc	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast_o	clast_geometry	hor_thick	sample_us	smple_note	gps	site_photo_direction	ns_indform	ns_indform_other	ns_note	
Regular Sample	62.5659704	-98.51338841	62.56597	-98.5134	14	525013.2	6937327	F546173	165			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Light Brown	Clay Rich					1 to 10	3 out of 5	168					
Regular Sample	62.56556198	-98.51378672	62.56556	-98.5138	14	524993	6937281	F546174	164			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			10	Red	Clay Rich					1 to 10	3 out of 5	163	SW				
Regular Sample	62.56506968	-98.51424038	62.5651	-98.5142	14	524989.8	6937229	F546175	163			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Light Brown	Clay Rich					1 to 10	2 out of 5	150	W				
Regular Sample	62.56467606	-98.51468794	62.56468	-98.5147	14	524947.5	6937182	F546176	162			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			15	Red Brown	Matrix Supported Clasts,Sandy		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	176	E				
Regular Sample	62.56427287	-98.51509463	62.56427	-98.5151	14	524926.9	6937137	F546177	161			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			30	Red Brown	Clay Rich					1 to 10	2 out of 5	160	S				
Regular Sample	62.56383044	-98.51557408	62.56383	-98.5156	14	524902.6	6937087	F546178	160			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	153	S				
Duplicate Parent	62.5634087	-98.51601698	62.56341	-98.516	14	524880.2	6937040	F546179	159			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	156	W				
Duplicate Sample	62.56340006	-98.5151972	62.5634	-98.516	14	524882.5	6937039	F546180	159	F546179		7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts												
Regular Sample	62.56413817	-98.5191109	62.56414	-98.5191	14	524720.5	6937120	F546181	151			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red	Matrix Supported Clasts		1 to 10 mm	Sub-Rounded		1 to 10	3 out of 5	170	W				
Regular Sample	62.56455541	-98.51870958	62.56456	-98.5187	14	524740.8	6937167	F546182	152			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Rounded		1 to 10	2 out of 5	182	E				
Regular Sample	62.56498347	-98.51820163	62.56498	-98.5182	14	524766.6	6937215	F546183	153			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	160	W				
Regular Sample	62.56541502	-98.51786502	62.56542	-98.5179	14	524743.5	6937263	F546184	154			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	170	W				
Regular Sample	62.56571614	-98.52132444	62.56572	-98.5213	14	524600.5	6937295	F546185	128			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	170	W				
Regular Sample	62.56529922	-98.52185336	62.5653	-98.5218	14	524579.5	6937249	F546186	127			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	180	W				
Regular Sample	62.56484583	-98.52224272	62.56485	-98.5222	14	524559	6937198	F546187	126			7/18/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	176	S				
Regular Sample	62.57316168	-98.54171757	62.57316	-98.5417	14	523551.1	6938139	F546188	29			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			12	Brown	Clast Supported,Sandy		1 to 10 mm	Sub-Rounded		1 to 10	2 out of 5	174	S				
Regular Sample	62.57316707	-98.54532246	62.57367	-98.5453	14	52336.5	6938173	F546189	14			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			7	Light Brown	Matrix Supported Clasts,Clay Rich		<1 mm	Sub-Rounded		1 to 10	3 out of 5	171	W				
Regular Sample	62.57309343	-98.54975816	62.57309	-98.5498	14	523138.2	6938107	F546190	2			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Forest	gentle	Wet	B			27	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	171	W				
Regular Sample	62.57266209	-98.55028387	62.57266	-98.5503	14	523111.5	6938058	F546191	3			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Wet	B			4	Light Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Rounded		1 to 10	3 out of 5	160	W				
Regular Sample	62.57224897	-98.55066475	62.57225	-98.5507	14	523092.2	6938012	F546192	4			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Wet	B			23	Light Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	188	E				
Regular Sample	62.57180666	-98.55110064	62.57181	-98.5511	14	523069.9	6937963	F546193	5			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Wet	B			3	Red Brown	Matrix Supported Clasts		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	194	W				
Regular Sample	62.57140434	-98.55146337	62.5714	-98.5515	14	523051.8	6937918	F546194	6			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Moist	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	170	W				
Regular Sample	62.57067335	-98.54836207	62.57067	-98.5484	14	523211.8	6937838	F546195	7			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Moist	B			15	Light Brown	Matrix Supported Clasts,Sandy,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	2 out of 5	151	S				
Regular Sample	62.57108001	-98.54793962	62.57108	-98.5479	14	523233.2	6937883	F546196	8			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Moist	B			13	Light Brown	Matrix Supported Clasts		1 to 10 mm	Sub-Rounded		1 to 10	2 out of 5	162	S				
Regular Sample	62.57152697	-98.54751986	62.57153	-98.5475	14	523254.4	6937933	F546197	9			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Wet	B			14	Red Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	159	E				
Regular Sample	62.57104066	-98.54763614	62.57104	-98.5476	14	523217.5	6937979	F546198	10			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	gentle	Moist	B			4	Brown	Matrix Supported Clasts,Clay Rich		1 to 10 mm	Sub-Angular		1 to 10	3 out of 5	164	E				
Regular Sample	62.57239167	-98.5466591	62.57239	-98.5467	14	523227.6	6938030	F546199	11			7/19/2022	Kiana Froese	Unlikely Disturbed	Tundra	Forest	gentle	Moist	B			23	Red Brown	Clast Supported,Sandy		1 to 10 mm	Sub-Rounded		1 to 10	2 out of 5	164	E				
										22H	F546200																									
Regular Sample	62.56587373	-98.4791014	62.56587	-98.4791	14	526775.7	6937330	F546201	341			7/17/2022	Chase McKay	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Brown	No Clasts,Clay Rich					>10	3 out of 5	173	N				
Regular Sample	62.56545014	-98.47912621	62.56545	-98.4791	14	526774.8	6937282	F546202	340			7/17/2022	Chase McKay	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			35	Brown	Sandy,No Clasts,Clay Rich					>10	4 out of 5	184	N				
Regular Sample	62.56501684	-98.47909157	62.56502	-98.4796	14	526771.2	6937234	F546203	339			7/17/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			3														

status	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_o	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast_o	clast_geometry	hor_thick	sample_q	smple_note	gps	site_photo_direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.51108456	-99.17092759	62.51108	-99.1709	14	491917.6	6931129	F546284				7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		5	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		191	W				
Regular Sample	62.51077396	-99.17029358	62.51077	-99.1703	14	491220.2	6931095	F546285	1088			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		5	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		200	N				
Regular Sample	62.51049153	-99.16968103	62.51049	-99.1697	14	491211.6	6931063	F546286	1090			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		4	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		218	W				
Regular Sample	62.510319671	-99.16900277	62.5102	-99.169	14	491256.5	6931030	F546287	1091			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		8	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		210	E				
Regular Sample	62.50989044	-99.16835535	62.50989	-99.1684	14	491329.7	6930996	F546288	1092			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		15	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		203	S				
Regular Sample	62.50959453	-99.16771062	62.50959	-99.1677	14	491362.8	6930963	F546289	1093			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		13	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		204	N				
Regular Sample	62.50929166	-99.16710343	62.50929	-99.1671	14	491394	6930929	F546290	1094			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		10	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	2 out of 5		197	E				
Regular Sample	62.50898484	-99.16641491	62.50899	-99.1664	14	491422.6	6930895	F546291	1095			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		35	Light Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	1 out of 5		199	S				
Regular Sample	62.50814143	-99.16451845	62.50814	-99.1645	14	491512.6	6930800	F546292	1098			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		8	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		205	E				
Regular Sample	62.50783637	-99.16385762	62.50784	-99.1639	14	491560.8	6930766	F546293	1099			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		4	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	2 out of 5		200	S				
Regular Sample	62.51383847	-99.15959397	62.51384	-99.16	14	491763.2	6931435	F546294	1031			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		5	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		192	S				
Regular Sample	62.51412953	-99.160542953	62.51413	-99.1606	14	491711.2	6931467	F546295	1032			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		5	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		193	E				
Regular Sample	62.5144257	-99.16122202	62.51443	-99.1612	14	491684.8	6931500	F546296	1033			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		4	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		208	N				
Regular Sample	62.51473967	-99.16188855	62.51474	-99.1619	14	491664.1	6931535	F546297	1034			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		10	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		217	N				
Regular Sample	62.5150202	-99.16256849	62.51502	-99.1626	14	491629.2	6931567	F546298	1035			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B		4	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		195	N				
Duplicate Parent	62.51531466	-99.16319411	62.51531	-99.1632	14	491597.1	6931599	F546299	1036	F546299		7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		5	Red Brown	Matrix Supported Clasts,Clay Rich			1-10 mm	Sub-Angular	1 to 10	3 out of 5		207	N				
Duplicate Sample	62.51533046	-99.16321214	62.51533	-99.1632	14	491595.7	6931598	F546300	1036			7/21/2022	Kiana Froese	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B																	
Regular Sample	62.56864571	-98.33072688	62.56865	-98.3307	14	524118.9	6937618	F546301	91			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Wet	B		20	Light Brown	Matrix Supported Clasts,Sandy			>10 mm	Rounded	>10	3 out of 5		185	NE				
Regular Sample	62.5682313	-98.53117581	62.56823	-98.5312	14	524097	6937572	F546302	92			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B		20	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	3 out of 5		162	NE				
Regular Sample	62.56780221	-98.53160162	62.5678	-98.5316	14	524075.5	6937524	F546303	93			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Wet	B		5	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	3 out of 5		165	E				
Regular Sample	62.56737188	-98.530187	62.56737	-98.532	14	524054.4	6937476	F546304	94			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		15	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	3 out of 5		155	E				
Regular Sample	62.5667429	-98.5324787	62.56697	-98.5325	14	524031.1	6937431	F546305	95			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		5	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Rounded	>10	4 out of 5		175	S				
Regular Sample	62.56851628	-98.53896294	62.56852	-98.539	14	523696.6	6937601	F546306	50			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		5	Red Brown	Sandy,No Clasts			>10 mm	Sub-Rounded	>10	5 out of 5		149	N				
Regular Sample	62.56895702	-98.53857052	62.56892	-98.5386	14	523716.2	6937646	F546307	51			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B		5	Red Brown	Matrix Supported Clasts,Sandy			1-10 mm	Sub-Angular	>10	4 out of 5		148	E				
Regular Sample	62.56935678	-98.53808284	62.56937	-98.5381	14	523741.1	6937696	F546308	52			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Dry	B		10	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		158	N				
Regular Sample	62.56978265	-98.53768587	62.56978	-98.5377	14	523714.8	6937983	F546309	53			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		15	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	4 out of 5		192	E				
Regular Sample	62.57021005	-98.53725334	62.57021	-98.5372	14	523784	6937790	F546310	54			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		35	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	3 out of 5		164	N				
Regular Sample	62.57063946	-98.5368006	62.57064	-98.5368	14	523806	6937838	F546311	55			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		5	Red Brown	Sandy,No Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		171	N				
Regular Sample	62.57106626	-98.53636086	62.57107	-98.5364	14	523823.8	6937886	F546312	56			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		5	Red Brown	Sandy,No Clasts			>10 mm	Sub-Angular	>10	3 out of 5		151	E				
Regular Sample	62.57149083	-98.53595316	62.57149	-98.536	14	523848.3	6937933	F546313	57			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		15	Red Brown	Sandy,No Clasts			>10 mm	Sub-Angular	>10	4 out of 5		158	N				
Regular Sample	62.57193915	-98.53509515	62.57194	-98.53505	14	523871.8	6937983	F546314	58			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		15	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	4 out of 5		152	SE				
Regular Sample	62.57257209	-98.53506153	62.57236	-98.5351	14	523894	6938030	F546315	59			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B		10	Red Brown	Matrix Supported Clasts,Sandy			1-10 mm	Sub-Angular	>10	4 out of 5		160	SE				
Regular Sample	62.57279444	-98.534602	62.57279	-98.5346	14	523917.3	6938079	F546316	60			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Moist	B		25	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		173	N				
Regular Sample	62.57276448	-98.53864342	62.57264	-98.5386	14	523707.9	6938061	F546317	44			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		10	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Rounded	>10	3 out of 5		162	W				
Regular Sample	62.57272176	-98.53907216	62.57222	-98.5391	14	523688	6938013	F546318	43			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Moist	B		15	Red Brown	Sandy,No Clasts,Clay Rich			>10 mm	Sub-Rounded	>10	3 out of 5		163	E				
Regular Sample	62.57178835	-98.5375179	62.57179	-98.5395	14	523666	6937965	F546319	42			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	gentle	Wet	B		20	Red Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		163	E				
										F546320	22H																									
Regular Sample	62.56776066	-98.53480484	62.56776	-98.5348	14	523910.9	6937518	F546321	67			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B		5	Red Brown	Matrix Supported Clasts,Sandy			1-10 mm	Sub-Angular	>10	4 out of 5		160	E				
Regular Sample	62.56818978	-98.53422889	62.56819	-98.5343	14	523925	6937566	F546322	68			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B		10	Red Brown	Sandy,No Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		167	E				
Regular Sample	62.56838027	-98.5388929	62.56863	-98.5339	14	523957	6937615	F546323	69			7/19/2022	Chase McKay	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B		5	Red Brown	Sandy,No Clasts,Clay Rich			>10 mm	Sub-Angular	>10	4 out of 5		167	E				
Regular Sample	62.51535892	-99.14584651	62.51536	-99.1549	14	492026	6931603	F546324	1030			7/21/2022	Chase McKay	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		15	Brown	Matrix Supported Clasts,Sandy			>10 mm	Sub-Angular	>10	4 out of 5		162	NE				
Regular Sample	62.51566142	-99.15459953	62.51566	-99.1555	14	491993.4	6931637	F546325	1029			7/21/2022	Chase McKay	Unikelyy Disturbed	Tundra	Marsh/S																				

status	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_d	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast	clast_geometry	hor_thick	sample_q	smple_note	gps	site_photo_direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.52451643	-99.15817515	62.52452	-99.1582	14	491858	6932624	F546395	920			7/22/2022	Gianna De Veri	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		25	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	3	out of 5		179	NE				
Regular Sample	62.5248119	62.52481	-99.1588	14	491825	6932657	F546396	921				7/22/2022	Gianna De Veri	Unikely Disturbed	Tundra	Plains	flat	Wet	B		25	Orange Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3	out of 5		182	NE				
Regular Sample	62.52510738	-99.159405	62.52511	-99.1595	14	491792	6932660	F546397	919			7/22/2022	Gianna De Veri	Unikely Disturbed	Tundra	Plains	flat	Wet	B		20	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2	out of 5		169	NE				
Regular Sample	62.52540285	-99.1603139	62.5254	-99.1601	14	491759	6932723	F546398	918			7/22/2022	Gianna De Veri	Unikely Disturbed	Tundra	Plains	flat	Wet	B		20	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	3	out of 5		172	NE				
Regular Sample	62.52412509	-99.16285495	62.52413	-99.1629	14	491617	6932581	F546399	932			7/22/2022	Gianna De Veri	Unikely Disturbed	Tundra	Plains	flat	Wet	B		30	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		159	NE				
										F546400																										
Regular Sample	62.56611179	-98.50936227	62.56611	-98.5094	14	525220	6937344	F546401	195			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		43	Dark Brown	Clast Supported		1-10 mm	Sub-Angular	>10	2	out of 5		167	S				
Regular Sample	62.56597973	-98.5097973	62.56598	-98.5098	14	525198	6937296	F546402	194			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B		38	Light Brown	Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	2	out of 5		172	S				
Regular Sample	62.56525313	-98.51023239	62.56525	-98.5102	14	525176	6937248	F546403	193			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		37	Red Brown	Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	2	out of 5		172	S				
Regular Sample	62.56482381	-98.51066743	62.56482	-98.5107	14	525154	6937200	F546404	192			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		13	Light Brown-Grey	Matrix Supported Clasts		1-10 mm	Sub-Angular	>10	2	out of 5		153	S				
Regular Sample	62.5643948	-98.51110246	62.56439	-98.5111	14	525132	6937152	F546405	191			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		15	Light Brown-Grey	Clast Supported		1-10 mm	Sub-Angular	>10	2	out of 5		169	S				
Regular Sample	62.56393585	-98.51137348	62.56397	-98.5115	14	525110	6937104	F546406	190			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		20	Light Brown-Grey	Clast Supported		1-10 mm	Sub-Angular	>10	2	out of 5		169	NE				
Regular Sample	62.56353582	-98.51197248	62.56354	-98.5112	14	525088	6937056	F546407	189			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		17	Light Brown-Grey	Clast Supported		1-10 mm	Sub-Angular	>10	3	out of 5		165	S				
Regular Sample	62.56310648	-98.51240747	62.56311	-98.5124	14	525066	6937008	F546408	188			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		13	Light Brown-Grey	Clast Supported		1-10 mm	Sub-Angular	>10	2	out of 5		158	S				
Regular Sample	62.56267715	-98.51284245	62.56268	-98.5128	14	525044	6936960	F546409	187			7/18/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		12	Light Brown-Grey	Clast Supported		1-10 mm	Sub-Angular	>10	2	out of 5		154	S				
Regular Sample	62.5767251	-98.5427268	62.57625	-98.5427	14	523407	6938461	F546410	15			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		30	Dark Brown	Matrix Supported Clasts		1-10 mm	Sub-Angular	>10	3	out of 5		172	S				
Regular Sample	62.57668043	-98.54292925	62.57668	-98.5423	14	523199	6938509	F546411	16			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		12	Red Brown	Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		163	S				
Regular Sample	62.577110985	-98.54185729	62.57711	-98.5419	14	523541	6938557	F546412	17			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		19	Brown	Matrix Supported Clasts,Sandy		>10 mm	Sub-Angular	>10	3	out of 5		167	S				
Regular Sample	62.57753928	-98.54142252	62.57754	-98.5414	14	523563	6938605	F546413	18			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		16	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		169	S				
Regular Sample	62.5779687	-98.54098773	62.57797	-98.541	14	523585	6938653	F546414	19			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		14	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		170	S				
Regular Sample	62.57839812	-98.54055293	62.5784	-98.5406	14	523607	6938701	F546415	20			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		15	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		151	S				
Regular Sample	62.57766969	-98.53741132	62.57767	-98.5374	14	523769	6938621	F546416	35			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		16	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3	out of 5		156	S				
Regular Sample	62.57724028	-98.53784615	62.57724	-98.5378	14	523747	6938573	F546417	34			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		16	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		162	S				
Regular Sample	62.57681087	-98.53828097	62.57681	-98.5383	14	523725	6938525	F546418	33			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		17	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		162	S				
Duplicate Parent	62.57638145	-98.53817578	62.57638	-98.5387	14	523703	6938477	F546419	32			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	moderate	Moist			13	Light Brown	Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		162	S				
Duplicate Sample	62.5763813	-98.5381731	62.57638	-98.53817	14	523703	6938477	F546420	32			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		28	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		156	S				
Regular Sample	62.57595204	-98.53935057	62.57595	-98.5392	14	523681	6938429	F546421	31			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		28	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		162	S				
Regular Sample	62.57522364	-98.53602871	62.57522	-98.536	14	523842	6938349	F546422	45			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		38	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		167	S				
Regular Sample	62.57563505	-98.53593988	62.57565	-98.5356	14	523864	6938397	F546423	46			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	moderate	Moist			14	Light Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		151	S				
Regular Sample	62.57608245	-98.53515904	62.57608	-98.5352	14	523886	6938445	F546424	47			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		15	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		172	S				
Regular Sample	62.57651186	-98.53472418	62.57651	-98.5347	14	523908	6938493	F546425	48			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		12	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3	out of 5		156	S				
Regular Sample	62.57604126	-98.53428932	62.57604	-98.5343	14	523930	6938541	F546426	49			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Moist			13	Light Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		153	S				
Regular Sample	62.57622166	-98.53114787	62.57622	-98.5311	14	524092	6938462	F546427	68			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		21	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3	out of 5		166	S				
Regular Sample	62.57579227	-98.5318277	62.57579	-98.5316	14	524070	6938414	F546428	65			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		19	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		162	S				
Regular Sample	62.57536288	-98.5305736	62.57536	-98.5305	14	524048	6938366	F546429	64			7/19/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	gentle	Wet	B		19	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		162	S				
Regular Sample	62.51262952	-98.5254172	62.51263	-98.1825	14	496060	6931303	F546430	1123			7/21/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		14	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2	out of 5		169	S				
Regular Sample	62.51233415	-99.18189909	62.51233	-99.1819	14	490633	6931270	F546431	1122			7/21/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		12	Light Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3	out of 5		194	S				
Regular Sample	62.51203878	-99.18125646	62.51204	-99.1813	14	490666	6931237	F546432	1121			7/21/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		11	Light Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3	out of 5		174	S				
Regular Sample	62.51174341	-99.18061385	62.51174	-99.1806	14	490699	6931204	F546433	1120			7/21/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		10	Light Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3	out of 5		170	S				
Regular Sample	62.51144802	-99.17997121	62.51145	-99.18	14	490732	6931171	F546434	1119			7/21/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		14	Light Brown	Clay Rich		1-10 mm	Sub-Angular	>10	3	out of 5		177	W				
Regular Sample	62.51151265	-99.17932866	62.51151	-99.1793	14	490765	6931138	F546435	1118			7/21/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B		13	Light Brown-Grey	Clay Rich		1-10 mm	Sub-Angular	>10	3	out of 5		155	S				
Regular Sample	62.51085727	-99.17868608	62.51086	-99.1787	14	490798	69311																													

status	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast	clast_geometry	hor_thick	smpl_note	gps	site_photo	direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.52087489	-99.1578603	-99.1578603	-99.1558	14	491980	6932218	F546506	943			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			2025	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2 out of 5		173	SE				
Regular Sample	62.53963672	-99.13761874	-99.13761874	-99.1376	14	492916	6932560	F546507	843			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	C			25	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3 out of 5		175	SW				
Regular Sample	62.52458089	-99.1388695	-99.1388695	-99.1389	14	492930	6932623	F546508	845			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			25	Light Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		168	NW				
Regular Sample	62.52514599	-99.14018863	-99.14018863	-99.1402	14	492784	6932692	F546509	847			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			10	Red Brown	Matrix Supported Clasts,Sandy,Gravelly,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		187	W				
Regular Sample	62.52543965	-99.14082315	-99.14082315	-99.1408	14	4927514	6932725	F546510	848			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Light Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		190	NW				
Regular Sample	62.52575367	-99.14152052	-99.14152052	-99.1415	14	4927156	6932757	F546511	849			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3 out of 5		166	NW				
Regular Sample	62.52608021	-99.13945475	-99.13945475	-99.1395	14	492822	6932796	F546512	841			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Moist	B			15	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	3 out of 5		159	W				
Regular Sample	62.52549898	-99.13816976	-99.13816976	-99.1382	14	492988	6932730	F546513	839			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			30	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	1 out of 5		157	W				
Regular Sample	62.52462957	-99.13631335	-99.13631335	-99.1363	14	4929834	6932634	F546514	836			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Dark Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		181	SE				
Regular Sample	62.52524098	-99.13486592	-99.13486592	-99.1349	14	493058	6932702	F546515	830			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	1 out of 5		153	E				
Regular Sample	62.52535367	-99.13550838	-99.13550838	-99.1355	14	493025	6932735	F546516	831			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	1 out of 5		183	W				
Regular Sample	62.52567863	-99.13547677	-99.13547677	-99.1354	14	493027	6932872	F546517	828			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Dark Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3 out of 5		171	SE				
Regular Sample	62.52617518	-99.13411388	-99.13411388	-99.1341	14	493096	6932806	F546518	826			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			40	Dark Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2 out of 5		155	NW				
Regular Sample	62.53253363	-99.12042183	-99.12042183	-99.1204	14	493803	6933513	F546519	706			7/23/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			20	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3 out of 5		171	NW				
Regular Sample	62.53823239	-99.11068797	-99.11068797	-99.1107	14	494305	6934147	F546521	761			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		194	NW				
Regular Sample	62.53863808	-99.11133046	-99.11133046	-99.1113	14	494272	6934180	F546522	760			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		190	W				
Regular Sample	62.53882378	-99.11197297	-99.11197297	-99.112	14	494239	6934213	F546523	759			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		156	W				
Regular Sample	62.53911946	-99.11261549	-99.11261549	-99.1126	14	494206	6934246	F546524	758			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		193	W				
Regular Sample	62.53941515	-99.1135802	-99.1135802	-99.1133	14	494173	6934279	F546525	757			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			15	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		191	W				
Regular Sample	62.53971083	-99.11390056	-99.11390056	-99.1139	14	494140	6934312	F546526	756			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			20	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		186	W				
Regular Sample	62.54000561	-99.11454311	-99.11454311	-99.1145	14	494107	6934345	F546527	755			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2 out of 5		192	SW				
Regular Sample	62.54030219	-99.11518568	-99.11518568	-99.1152	14	494074	6934378	F546528	754			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Red Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		192	W				
Regular Sample	62.54089533	-99.11647086	-99.11647086	-99.1165	14	494008	6934444	F546529	752			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Dark Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		197	W				
Regular Sample	62.5411892	-99.11711347	-99.11711347	-99.1171	14	493975	6934477	F546530	751			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			25	Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	3 out of 5		178	W				
Regular Sample	62.54149486	-99.1175608	-99.1175608	-99.1176	14	493942	6934510	F546531	750			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			20	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		179	SE				
Regular Sample	62.54178053	-99.1183972	-99.1183972	-99.1184	14	493909	6934543	F546532	749			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			30	Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	3 out of 5		172	W				
Regular Sample	62.54388829	-99.12023442	-99.12023442	-99.1202	14	493815	6934778	F546533	28			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			30	Dark Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	1 out of 5		172	W				
Regular Sample	62.54359272	-99.11959712	-99.11959712	-99.1196	14	493848	6934745	F546534	29			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			30	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		168	E				
Regular Sample	62.54300132	-99.11830637	-99.11830637	-99.1183	14	493914	6934679	F546535	31			7/24/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			40	Dark Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3 out of 5		186	W				
Regular Sample	62.53984845	-99.09488844	-99.09488844	-99.0905	14	494881	6933996	F546536	142			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		171	SE				
Regular Sample	62.53718319	-99.10013069	-99.10013069	-99.1001	14	494848	6934029	F546537	141			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		174	S				
Regular Sample	62.53747694	-99.10077306	-99.10077306	-99.1008	14	494815	6934062	F546538	140			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		<1 mm	Sub-Angular	>10	3 out of 5		183	S				
Duplicate Parent	62.53776427	-99.10319937	-99.10319937	-99.1014	14	4947828	6934094	F546539	139			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		162	S				
Duplicate Sample	62.53776117	-99.10319937	-99.10319937	-99.1014	14	4947827	6934094	F546540	139	F546539		7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B							1-10 mm	Sub-Angular	>10	3 out of 5		176	S				
Regular Sample	62.53805871	-99.1020545	-99.1020545	-99.1021	14	494742	6934130	F546541	138			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			10	Orange Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		167	S				
Regular Sample	62.53836415	-99.10270023	-99.10270023	-99.1027	14	494716	6934161	F546542	137			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			3	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		<1 mm	Sub-Angular	>10	3 out of 5		190	S				
Regular Sample	62.53865988	-99.10334264	-99.10334264	-99.1033	14	494683	6934194	F546543	136			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			3	Brown	Matrix Supported Clasts,Sandy,Gravelly		1-10 mm	Sub-Angular	>10	2 out of 5		176	S				
Regular Sample	62.53895561	-99.1039607	-99.1039607	-99.1014	14	494560	6934227	F546544	135			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			20	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	3 out of 5		165	S				
Regular Sample	62.53925113	-99.10462751	-99.10462751	-99.1046	14	494537	6934260	F546545	134			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			20	Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		170	W				
Regular Sample	62.53954705	-99.10526997	-99.10526997	-99.1053	14	494584	6934293	F546546	133			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		166	S				
Regular Sample	62.53984277	-99.10591243	-99.10591243	-99.1059	14	494551	6934326	F546547	132			7/25/2022	Gianna De Veri	Unikelyy Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported												

status	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast	clast_geometry	hor_thick	smple_note	gps	site_photo	direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.52007366	-99.13192894	62.52007	-99.1319	14	493208	6932126	F546617	862			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			14	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	197	N				
Regular Sample	62.52036926	-99.1327125	62.52037	-99.1326	14	493175	6932159	F546618	861			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			14	Light Brown	Clay Rich		<1 mm		Sub-Angular	>10	2 out of 5	197	N				
Regular Sample	62.52066485	-99.13321358	62.52066	-99.1332	14	493142	6932192	F546619	860			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			16	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	212	N				
Regular Sample	62.52085924	-99.13385952	62.52096	-99.1339	14	493109	6932225	F546621	859			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			8	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	202	N				
Regular Sample	62.52125603	-99.13449826	62.52126	-99.1345	14	493076	6932258	F546622	858			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			11	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	193	N				
Regular Sample	62.52214278	-99.13462539	62.52214	-99.1364	14	492977	6932357	F546623	855			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	A			32	Dark Brown/Grey	Matrix Supported Clasts		1-10 mm		Sub-Angular	>10	1 out of 5	172	N				
Regular Sample	62.52243835	-99.13706779	62.52244	-99.1371	14	492944	6932390	F546624	854			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			31	Light Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	185	N				
Regular Sample	62.52323242	-99.1389321	62.52333	-99.139	14	492845	6932489	F546625	850			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			28	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	181	N				
Regular Sample	62.52362063	-99.13963752	62.52362	-99.1396	14	492812	6932522	F546626	864			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			17	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	171	N				
Regular Sample	62.52421175	-99.14059246	62.52421	-99.1409	14	492746	6932588	F546627	866			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			24	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	185	N				
Regular Sample	62.52456071	-99.14156405	62.52451	-99.1416	14	492713	6932621	F546628	867			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			23	Dark Brown-Grey	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	1 out of 5	180	S				
Regular Sample	62.52482074	-99.14220745	62.5248	-99.1422	14	492680	6932654	F546629	868			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			20	Brown	Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	175	N				
Regular Sample	62.52416416	-99.14358371	62.52416	-99.1436	14	492609	6932583	F546630	875			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	A			14	Light Brown-Grey	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	174	N				
Regular Sample	62.52386862	-99.14294121	62.52387	-99.1429	14	492642	6932550	F546631	874			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			18	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	171	N				
Regular Sample	62.52375707	-99.14229872	62.52357	-99.1423	14	492675	6932517	F546632	873			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			35	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	183	N				
Regular Sample	62.52327752	-99.14165625	62.52328	-99.1417	14	492708	6932484	F546633	872			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			20	Orange Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	179	N				
Regular Sample	62.52298196	-99.14101378	62.52298	-99.141	14	492741	6932451	F546634	871			7/22/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			19	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	193	N				
Regular Sample	62.53437239	-99.14100933	62.53437	-99.141	14	492744	6933720	F546635	824			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			8	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	180	S				
Regular Sample	62.53407683	-99.14036664	62.53408	-99.1404	14	492777	6933687	F546636	823			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			10	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	202	S				
Regular Sample	62.53372817	-99.13972395	62.53378	-99.1397	14	492810	6933654	F546637	822			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			11	Light Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	189	S				
Regular Sample	62.53485871	-99.13908171	62.53349	-99.1391	14	492843	6933621	F546638	821			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			17	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	201	S				
Regular Sample	62.53319014	-99.13843862	62.53319	-99.1384	14	492876	6933588	F546639	820			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			6	Light Brown	Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	199	N				
Regular Sample	62.53289457	-99.13779598	62.53289	-99.1378	14	492909	6933555	F546641	819			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Moist	B			14	Light Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	162	N				
Regular Sample	62.53153599	-99.13715312	62.53236	-99.1372	14	492942	6933512	F546642	818			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			14	Brown	Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	187	N				
Regular Sample	62.53230342	-99.13651072	62.5323	-99.1365	14	492975	6933489	F546643	817			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			13	Light Brown	Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	197	N				
Regular Sample	62.53200784	-99.13586812	62.53201	-99.1359	14	493008	6933456	F546644	816			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			15	Light Brown	Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	178	N				
Regular Sample	62.53173121	-99.1352469	62.53173	-99.1352	14	493039	6933425	F546645	815			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			15	Light Brown	Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	180	N				
Regular Sample	62.53141668	-99.13458294	62.53142	-99.1346	14	493074	6933390	F546646	814			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			14	Brown	Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	206	N				
Regular Sample	62.53112109	-99.13404017	62.53112	-99.1319	14	493107	6933357	F546647	813			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			19	Light Brown	Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	183	N				
Regular Sample	62.5308255	-99.13379781	62.53083	-99.1333	14	493140	6933324	F546648	812			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			25	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	197	N				
Regular Sample	62.53052991	-99.13265527	62.53053	-99.1327	14	493173	6933291	F546649	811			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			16	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	183	S				
Regular Sample	62.53023431	-99.13201274	62.53026	-99.1332	14	493206	6933258	F546650	810			7/23/2022	Zach Buehler	Unikely Disturbed	Tundra	Plains	flat	Wet	B			6	Light Brown	Clay Rich		1-10 mm		Sub-Angular	>10	2 out of 5	176	N				
Regular Sample	62.53032857	-99.1306872	62.53033	-99.1307	14	493242	6933268	F546651	785			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	3 out of 5	186	N				
Regular Sample	62.53060401	-99.12731789	62.5303	-99.1273	14	493447	6933299	F546652	786			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	3 out of 5	173	N				
Regular Sample	62.53092306	-99.1280655	62.53092	-99.128	14	493412	6933334	F546653	787			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			45	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	10 out of 5	186	NW				
Regular Sample	62.53119587	-99.12806736	62.5312	-99.1286	14	493385	6933365	F546654	788			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm		Sub-Angular	>10	3 out of 5	166	N				
Regular Sample	62.53150285	-99.1293004	62.5315	-99.1293	14	493349	6933399	F546655	789			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Plains	flat	Wet	B			6	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm		Sub-Angular	>10	3 out of 5	186	S				
Regular Sample	62.53180387	-99.12993103	62.5318	-99.1299	14	493315	6933413	F546656	790			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Plains	flat	Wet	B			10	Brown	Matrix Supported Clasts,Sandy		1-10 mm		Sub-Angular	>10	2 out of 5	195	N				
Regular Sample	62.53238434	-99.13118765	62.53238	-99.1312	14	493248	6933497	F546657	792			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			10	Red Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm		Sub-Angular	>10	10 out of 5	180	S				
Regular Sample	62.53277009	-99.13148414	62.5327	-99.1318	14	493215	6933533	F546658	793			7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Plains	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm		Sub-Angular	>10	10 out of 5	167	N				
Duplicate Parent	62.53298688	-99.13252406	62.53299	-99.1325	14	493180	6933565	F546659	794	F546659		7/23/2022	Kiana Froese	Unikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			5	Red Brown	Matrix Supported Clasts,Clay Rich												

status	latitude	longitude	latitude	longitude	utm_zone	utm_easti	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_o	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast_o	clast_geometry	hor_thick	smple_note	gps	site_photo_direction	ns_indform	ns_indform_other	ns_note		
Regular Sample	62.54063595	-99.11316546	62.540604	-99.1132	14	494178	6934415	F546728	39			7/24/2022	Zach Buehler	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	18	Light Brown-Grey	Sandy,Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		178	S					
Regular Sample	62.54093163	-99.11380803	62.540903	-99.1138	14	494145	6934448	F546729	38			7/24/2022	Zach Buehler	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	14	Light Brown-Grey	Matrix Supported Clasts,Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		177	S					
Regular Sample	62.54122731	-99.1145061	62.54123	-99.1145	14	494112	6934481	F546730	37			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	6	Light Brown	Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		180	S					
Regular Sample	62.54152258	-99.11509321	62.54152	-99.1151	14	494079	6934514	F546731	36			7/24/2022	Zach Buehler	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	5	Light Brown	Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		179	S					
Regular Sample	62.54181866	-99.11573581	62.54182	-99.1157	14	494046	6934547	F546732	35			7/24/2022	Zach Buehler	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	8	Light Brown	Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		181	S					
Regular Sample	62.54211433	-99.11637843	62.54211	-99.1164	14	494013	6934580	F546733	34			7/24/2022	Zach Buehler	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	17	Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		177	S					
Regular Sample	62.54204157	-99.1126102	62.54201	-99.1126	14	494208	6935237	F546734	244			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	18	Light Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		173	S					
Regular Sample	62.54771888	-99.1119675	62.54772	-99.112	14	494241	6935204	F546735	243			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	24	Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		176	S					
Regular Sample	62.5471275	-99.11068212	62.54713	-99.1107	14	494307	6935138	F546736	241			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	12	Light Brown	Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		182	S					
Regular Sample	62.5468318	-99.11003944	62.54683	-99.11	14	494340	6935105	F546737	240			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	28	Light Brown-Grey	Sandy,Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		173	N					
Regular Sample	62.5465361	-99.10939679	62.54654	-99.1094	14	494373	6935072	F546738	239			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	28	Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		175	S					
Regular Sample	62.54594469	-99.10811551	62.54594	-99.1081	14	494439	6935006	F546739	237			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	19	Brown	Sandy				>10 mm	Sub-Angular	>10	2 out of 5		178	S					
Regular Sample	62.54564898	-99.10746889	62.54565	-99.1075	14	494472	6934973	F546741	236			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	20	Dark Brown	Matrix Supported Clasts				>10 mm	Sub-Angular	>10	1 out of 5		175	S					
Regular Sample	62.54535327	-99.10682628	62.54535	-99.1068	14	494505	6934940	F546742	235			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	9	Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		179	S					
Regular Sample	62.54505756	-99.10618369	62.54506	-99.1062	14	494538	6934907	F546743	234			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	18	Brown	Sandy				1-10 mm	Sub-Angular	>10	1 out of 5		180	S					
Regular Sample	62.54476184	-99.1055411	62.54476	-99.1055	14	494571	6934874	F546745	233			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	25	Light Brown-Grey	Clay Rich				1-10 mm	Sub-Angular	>10	2 out of 5		177	S					
Regular Sample	62.54417039	-99.10425598	62.54417	-99.1043	14	494637	6934808	F546745	231			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	20	Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		179	N					
Regular Sample	62.54387467	-99.10361343	62.54387	-99.1036	14	494670	6934775	F546746	230			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	12	Light Brown	Sandy,Gravelly				1-10 mm	Sub-Angular	>10	1 out of 5		176	S					
Regular Sample	62.54357894	-99.10297079	62.54358	-99.103	14	494703	6934742	F546747	229			7/25/2022	Zach Buehler	Unlikely Disturbed	Tundra	Plains	flat	Wet	0	23	Brown	Sandy				1-10 mm	Sub-Angular	>10	2 out of 5		183	S					
Regular Sample	62.53236298	-99.1223057	62.53243	-99.1224	14	493703	6933613	F546751	703			7/23/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	5	Red Brown	Sandy,No Clasts,Clay Rich				1-10 mm	Sub-Angular	>10	3 out of 5		173	NW					
Regular Sample	62.53551513	-99.10768441	62.53552	-99.1076	14	494465	6933844	F546752	1			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	20	Red Brown	Matrix Supported Clasts,Clay Rich				1-10 mm	Sub-Angular	>10	3 out of 5		180	E					
Regular Sample	62.53581084	-99.10821081	62.53581	-99.1082	14	494432	6933877	F546753	2			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	25	Light Brown-Grey	Matrix Supported Clasts,Clay Rich				>10 mm	Sub-Angular	>10	4 out of 5		179	N					
Regular Sample	62.53610655	-99.1085323	62.53611	-99.1089	14	494399	6933910	F546754	3			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	30	Brown	Clast Supported,Sandy				>10 mm	Sub-Angular	>10	4 out of 5		173	NW					
Regular Sample	62.53605431	-99.10951138	62.53605	-99.1095	14	494365	6933943	F546755	4			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	15	Light Brown	Matrix Supported Clasts,Sandy				>10 mm	Sub-Rounded	>10	3 out of 5		171	E					
Regular Sample	62.53616995	-99.1101381	62.53617	-99.1101	14	494362	6933976	F546756	5			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	25	Light Brown-Grey	Matrix Supported Clasts,Sandy,Clay Rich				>10 mm	Sub-Rounded	>10	3 out of 5		178	S					
Regular Sample	62.5369364	-99.1170855	62.53699	-99.1108	14	494300	6934009	F546757	6			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Moist	0	15	Brown	Sandy,No Clasts						>10 mm	Sub-Angular	>10	1 out of 5		175	E			
Regular Sample	62.53729083	-99.11141004	62.53729	-99.1114	14	494267	6934042	F546758	7			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Plains	flat	Moist	0	20	Brown	Sandy						>10 mm	Sub-Angular	>10	1 out of 5 Possibly fluvial		175	NW			
Regular Sample	62.53758503	-99.11206549	62.53759	-99.1121	14	494234	6934075	F546759	8			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	30	Brown	Sandy,No Clasts						>10 mm	Sub-Angular	>10	1 out of 5		176	N			
Regular Sample	62.53817214	-99.11334023	62.53817	-99.1133	14	494168	6934141	F546761	10			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	15	Red Brown	Sandy,No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	3 out of 5		179	N			
Regular Sample	62.53876776	-99.11463554	62.53877	-99.1146	14	494102	6934207	F546762	12			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	25	Red Brown	Gravelly,No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	3 out of 5		166	S			
Regular Sample	62.53935911	-99.1152064	62.53936	-99.1159	14	494036	6934273	F546763	14			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	28	Red Brown	Sandy,No Clasts						>10 mm	Sub-Angular	>10	1 out of 5		180	NW			
Regular Sample	62.53965478	-99.1165327	62.53965	-99.1166	14	494003	6934306	F546764	15			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	15	Red Brown	Sandy,No Clasts						>10 mm	Sub-Angular	>10	2 out of 5		183	NW			
Regular Sample	62.53985945	-99.11720571	62.53985	-99.1173	14	493979	6934339	F546765	16			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	15	Brown	Sandy,No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	3 out of 5		178	S			
Regular Sample	62.54024611	-99.11784838	62.54025	-99.1178	14	493937	6934372	F546766	17			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	25	Brown	Sandy,No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	4 out of 5		187	SW			
Regular Sample	62.54054177	-99.11849099	62.54054	-99.1185	14	493904	6934405	F546767	18			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	30	Light Brown-Grey	No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	4 out of 5		181	NW			
Regular Sample	62.54083743	-99.11911336	62.54084	-99.1191	14	493871	6934438	F546768	19			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	35	Brown	Matrix Supported Clasts,Sandy				1-10 mm	Sub-Angular	>10	4 out of 5		178	NE					
Regular Sample	62.54220204	-99.121170421	62.54202	-99.12127	14	493739	6934570	F546769	23			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	35	Light Brown-Grey	No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	4 out of 5		182	SE			
Regular Sample	62.54260696	-99.12362323	62.54261	-99.12366	14	493640	6934659	F546770	26			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	25	Light Brown-Grey	Matrix Supported Clasts,Sandy,Clay Rich				>10 mm	Sub-Angular	>10	4 out of 5		184	S					
Regular Sample	62.53902532	-99.11749074	62.53903	-99.1179	14	493932	6934236	F546771	20			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	25	Brown	Sandy,No Clasts						>10 mm	Sub-Angular	>10	1 out of 5		186	SE			
Regular Sample	62.53843398	-99.11665561	62.53843	-99.1167	14	493998	6934170	F546772	742			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	15	Light Brown-Grey	Sandy,No Clasts,Clay Rich						>10 mm	Sub-Angular	>10	4 out of 5		177	NW			
Regular Sample	62.53754697	-99.11472802	62.53755	-99.1147	14	494097	6934071	F546773	745			7/24/2022	Chase McKay	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	0	20	Brown	Sandy,No Clasts						>10 mm	Sub-Angular	>10	4 out of 5		172	N			

status	latitude	longitude	latitude	longitude	utm_zone	utm_east1	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast	avg_clast	clast_geometry	hor_thick	sample_qs	smple_note	cps	site_photo	direction	ns_indform	ns_indform_other	ns_note
Regular Sample	62.54603298	-99.10279714	62.54603	-99.1028	14	4947124	6935015	F546841	277			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			21	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5		188	S					
Regular Sample	62.54633161	-99.10342142	62.54633	-99.1034	14	4946803	6935049	F546842	278			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			6	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	4 out of 5		183	N					
Regular Sample	62.54652947	-99.10465945	62.54653	-99.1041	14	4946476	6935082	F546843	279			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			10	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Rounded	1 to 10	4 out of 5		187	N					
Regular Sample	62.54691836	-99.10473302	62.54692	-99.1047	14	4946453	6935114	F546844	280			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Marsh/Swamp	flat	Wet	B			10	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5		182	S					
Regular Sample	62.54782738	-99.10665616	62.54783	-99.1067	14	4945142	6935216	F546845	283			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			8	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	4 out of 5		194	N					
Regular Sample	62.54839153	-99.10794564	62.54839	-99.1079	14	494448	6935279	F546846	285			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			8	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5		175	N					
Regular Sample	62.54869602	-99.10851628	62.5487	-99.1085	14	4944187	6935313	F546847	286			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			28	Light Brown-Grey	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5		183	N					
Regular Sample	62.54890906	-99.10919655	62.54899	-99.1092	14	494338	6935345	F546848	287			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			30	Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	3 out of 5		191	N					
Regular Sample	62.54928597	-99.10987113	62.54929	-99.1099	14	4943491	6935378	F546849	288			7/31/2022	Kiana Froese	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			13	Red Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Rounded	1 to 10	4 out of 5		192	S					
Regular Sample	62.53528673	-99.06841139	62.53529	-99.0684	14	4964797	693816	F546901	331			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			35	Light Brown	Clay Rich		1 to 10	3 out of 5		179	W							
Regular Sample	62.53597854	-99.06986661	62.53588	-99.0697	14	4964143	6938181	F546902	333			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			35	Light Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	3 out of 5		189	N					
Regular Sample	62.53645849	-99.07087483	62.53646	-99.0709	14	494432	6938347	F546903	335			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			40	Light Brown	Matrix Supported Clasts,Clay Rich		1-10 mm	Sub-Angular	1 to 10	2 out of 5		176	S					
Regular Sample	62.58959276	-98.86591249	62.58999	-98.8659	14	515132	6939948	F546905	2			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			20	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	4 out of 5		173	S					
Regular Sample	62.58917413	-98.86677881	62.58917	-98.8668	14	5160879	6939857	F546906	4			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			20	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	4 out of 5		180	N					
Regular Sample	62.58834541	-98.6875999	62.58835	-98.6876	14	5160462	6939764	F546907	6			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			10	Red Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	3 out of 5		180	S					
Regular Sample	62.58752121	-98.6885084	62.58752	-98.6885	14	516000	6939672	F546908	8			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			20	Red Brown	Sandy		>10 mm	Sub-Angular	1 to 10	3 out of 5		185	S					
Regular Sample	62.58422574	-98.69196914	62.58423	-98.692	14	515324	6939304	F546909	16			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			15	Red Brown	Sandy		>10 mm	Sub-Angular	1 to 10	3 out of 5		185	S					
Regular Sample	62.58260565	-98.6936379	62.58261	-98.6936	14	5157429	6939123	F546910	20			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			15	Red	Clast Supported		>10 mm	Sub-Rounded	1 to 10	2 out of 5	Off point due to bedr	178	N					
Regular Sample	62.58173151	-98.69454078	62.58173	-98.6945	14	5156932	6939025	F546911	22			7/30/2022	Houd Arar	Unlikely Disturbed	Coniferous	Forest	flat	Moist	A			35	Red Brown	Clay Rich		1-10 mm		>10	4 out of 5	Off-site due to boulds	175	N					
Regular Sample	62.57763454	-98.69888772	62.57763	-98.6989	14	515472	6938568	F546912	32			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			20	Red Brown	Sandy		>10		>10	5 out of 5		180	N					
Regular Sample	62.57681061	-98.69975235	62.57681	-98.6998	14	515428	6938476	F546913	34			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			10	Red Brown	Sandy		>10		5 out of 5	Quartz clast	179	N						
Regular Sample	62.57598668	-98.70061693	62.57599	-98.7006	14	515384	6938384	F546914	36			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			10	Dark Brown	Sandy		1-10 mm	Sub-Angular	1 to 10	3 out of 5		173	S					
Regular Sample	62.57104298	-98.70580343	62.57104	-98.7058	14	515120	6937832	F546915	48			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			20	Dark Brown	Sandy		>10		1 to 10	2 out of 5		176	S					
Regular Sample	62.57021901	-98.70666768	62.57022	-98.7067	14	515076	6937740	F546916	50			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			20	Red Brown	Sandy		>10		1 to 10	3 out of 5		163	S					
Regular Sample	62.56939504	-98.70793188	62.5694	-98.7075	14	515302	6937648	F546917	52			7/30/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Dry	B			20	Orange	Sandy		>10		1 to 10	4 out of 5		170	N					
Regular Sample	62.54314302	-99.09173805	62.54345	-99.0917	14	495218	6934727	F546918	13			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			30	Brown	Clast Supported		>10 mm	Sub-Rounded	1 to 10	2 out of 5		173	N					
Duplicate Parent	62.54406167	-99.09296107	62.54406	-99.093	14	495218	6934795	F546919	312			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			25	Red Brown	No Clasts,Clay Rich		>10 mm	Sub-Rounded	>10	5 out of 5		185	S					
Duplicate Sample	62.5440521	-99.0929681	62.54405	-99.093	14	4952176	6934794	F546920	312	F546919		7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Wet	B										>10	3 out of 5		181	N				
Regular Sample	62.54470795	-99.09360722	62.54437	-99.0936	14	4951848	6934830	F546921	313			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			35	Red Brown	Clay Rich				>10	4 out of 5		175	S					
Regular Sample	62.54463322	-99.09424997	62.54465	-99.0942	14	495152	6934861	F546922	314			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	gentle	Wet	B			5	Red Brown	Clay Rich		>10 mm		Rounded	>10	3 out of 5		179	S				
Regular Sample	62.54613204	-99.09745844	62.54613	-99.0975	14	494987	6935026	F546923	319			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			45	Red Brown	Matrix Supported Clasts,Clay Rich		>10 mm			>10	3 out of 5		176	S				
Regular Sample	62.54638927	-99.09818541	62.54639	-99.0982	14	4949496	6935055	F546924	320			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			50	Red	Sandy,Clay Rich		<1 mm			>10	4 out of 5		187	S				
Regular Sample	62.54668821	-99.09869738	62.54669	-99.0987	14	4949234	6935088	F546925	321			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	A			25	Red Brown	Sandy,Clay Rich				>10	4 out of 5		198	S					
Regular Sample	62.54740356	-99.09978233	62.5474	-99.0998	14	4948677	6935168	F546926	323			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			30	Orange Brown	Sandy,Clay Rich				4 out of 5	Off point due to small	181	S						
Regular Sample	62.54771191	-99.10062512	62.54771	-99.1006	14	4948414	6935202	F546927	324			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Dry	B			30	Orange Brown	Sandy,Clay Rich				>10	4 out of 5		185	S					
Regular Sample	62.54790652	-99.10131381	62.54791	-99.1013	14	494789	6935224	F546928	325			7/31/2022	Houd Arar	Unlikely Disturbed	Alders	Plains	flat	Wet	B			30	Red Brown	Sandy,Clay Rich				>10	4 out of 5		172	S					
Regular Sample	62.54820226	-99.10195642	62.5482	-99.102	14	494756	6935257	F546929	326			7/31/2022	Houd Arar	Unlikely Disturbed	Alders	Plains	flat	Wet	B			50	Red Brown	Sandy,Clay Rich		>10 mm	Sub-Rounded	>10	3 out of 5		179	N					
Regular Sample	62.54909555	-99.10388611	62.5491	-99.1039	14	4946566	6935357	F546930	329			7/31/2022	Houd Arar	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			20	Red Brown	Sandy,Clay Rich		<1 mm		>10	3 out of 5		188	W					
Regular Sample	62.54510106	-99.10186304	62.54501	-99.0919	14	495274	6934455	F546951	260			7/30/2022	Gianna De Vera	Unlikely Disturbed	Tundra	Plains	flat	Wet	B			5	Light Brown	Matrix Supported Clasts,Sandy,Clay Rich		1-10 mm	Sub-Angular	>10	3 out of 5		175	NW					
Regular Sample	62.54130638	-99.09205041	62.54131	-99.09205	14	495241	6934488	F546952	261			7/30/2022	Gianna De Vera	Unlikely Disturbed	Tundra	Plains	flat	Moist	B			25	Brown	Matrix Supported Clasts,Sandy		1-10 mm	Sub-Angular	>10	2 out of 5		191	NE					
No Sample	62.50732327	-99.16258806	62.50723	-99.1626	14	491626	6930699		1101			7/21/2022	Kiana Froese																						Swamp		
No Sample	62.50750515	-99.16322026	62.50751	-99.1632	14	4915935	6930729		1100			7/21/2022	Kiana Froese																						Swamp		
No Sample	62.50840763	-99.16516487	62.50841	-99.1652	14	4914936	6930830	</																													

status	latitude	longitude	latitude	longitude	utm_zone	utm_east1	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_o	landform	landform_s	slope	soil_moist	soil_hor	sample_de	smpl_color	smpl_mat	smpl_mat_other	avg_clast_avg_clast_geom	hor_thick	sample_q	smple_note	cps	site_photo_direction	ns_indform	ns_indform_other	ns_note
No Sample	62.53417307	-99.13506813	62.53417	-99.1351	14	493049.7	693697	798				7/23/2022	Kiana Froese																				Bedrock	
No Sample	62.53209144	-99.1305238	62.53209	-99.1305	14	493283	6933465	791				7/23/2022	Kiana Froese																			Bedrock		
No Sample	62.53033337	-99.12604663	62.53033	-99.126	14	493513	6933235	784				7/23/2022	Kiana Froese																			Swamp		
No Sample	62.5357293	-99.13015193	62.53573	-99.1302	14	493303	6933870	780				7/23/2022	Chase McKay																			Swamp		
No Sample	62.53602491	-99.13079456	62.53602	-99.1308	14	493270	6933903	779				7/23/2022	Chase McKay																			No soils only o and boulders		
No Sample	62.53632051	-99.1314372	62.53632	-99.1314	14	493237	6933936	778				7/23/2022	Chase McKay																					
No Sample	62.53636111	-99.13207986	62.53636	-99.1321	14	493204	6933969	777				7/23/2022	Chase McKay																					
No Sample	62.53631171	-99.13272153	62.53691	-99.1327	14	493171	6934002	776				7/23/2022	Chase McKay																					
No Sample	62.53779848	-99.13465061	62.5378	-99.1347	14	493072	6934101	773				7/23/2022	Chase McKay																					
No Sample	62.5367108	-99.12675508	62.53671	-99.1268	14	493478	6933979	771				7/23/2022	Kiana Froese																					
No Sample	62.53700642	-99.1273977	62.53701	-99.1274	14	493445	6934012	770				7/23/2022	Kiana Froese																					
No Sample	62.53730204	-99.12804033	62.5373	-99.128	14	493412	6934045	769				7/23/2022	Chase McKay																					
No Sample	62.53818887	-99.1290683	62.53819	-99.13	14	493313	6934144	766				7/23/2022	Kiana Froese																					
No Sample	62.53907568	-99.13189639	62.53908	-99.1319	14	493214	6934243	763				7/23/2022	Kiana Froese																					
No Sample	62.54059786	-99.11582826	62.5406	-99.1158	14	494041	6934411	753				7/24/2022	Gianna De Vera																					
No Sample	62.53784264	-99.11537054	62.53784	-99.1154	14	494064	6934104	744				7/24/2022	Chase McKay																					
No Sample	62.53813811	-99.11601307	62.53814	-99.116	14	494031	6934137	743				7/24/2022	Chase McKay																					
No Sample	62.53872965	-99.11729817	62.53873	-99.1173	14	493965	6934203	741				7/24/2022	Chase McKay																					
No Sample	62.53932098	-99.11858332	62.53932	-99.1186	14	493899	6934269	739				7/24/2022	Chase McKay																					
No Sample	62.53961663	-99.11922591	62.53962	-99.1192	14	493866	6934302	738				7/24/2022	Chase McKay																					
No Sample	62.53961229	-99.11986852	62.53991	-99.1199	14	493833	6934335	737				7/24/2022	Chase McKay																					
No Sample	62.54027074	-99.12051114	62.54021	-99.1205	14	493800	6934368	736				7/24/2022	Chase McKay																					
No Sample	62.54050359	-99.12115377	62.5405	-99.1212	14	493767	6934401	735				7/24/2022	Chase McKay																					
No Sample	62.53686143	-99.11876789	62.53686	-99.1188	14	493889	6933995	729				7/24/2022	Kiana Froese																					
No Sample	62.53774839	-99.12069556	62.53775	-99.1207	14	493790	6934094	726				7/24/2022	Kiana Froese																					
No Sample	62.53833968	-99.12198073	62.53834	-99.122	14	493724	6934160	724				7/24/2022	Kiana Froese																					
No Sample	62.53863532	-99.12262334	62.53864	-99.1226	14	493691	6934193	723				7/24/2022	Kiana Froese																					
No Sample	62.53893096	-99.12326596	62.53893	-99.1233	14	493658	6934226	722				7/24/2022	Kiana Froese																					
No Sample	62.5392266	-99.12390859	62.53923	-99.1239	14	493625	6934259	721				7/24/2022	Kiana Froese																					
No Sample	62.53469753	-99.11959492	62.5347	-99.1196	14	493846	6933754	718				7/24/2022	Kiana Froese																					
No Sample	62.53528883	-99.12087994	62.53529	-99.1209	14	493780	6933820	716				7/24/2022	Kiana Froese																					
No Sample	62.53558448	-99.12152247	62.53558	-99.1215	14	493747	6933853	715				7/23/2022	Kiana Froese																					
No Sample	62.53588013	-99.12216501	62.53588	-99.1222	14	493714	6933886	714				7/23/2022	Kiana Froese																					
No Sample	62.53647141	-99.12345041	62.53647	-99.1235	14	493648	6933952	712				7/23/2022	Zach Buehler																					
No Sample	62.53706267	-99.12473531	62.53706	-99.1247	14	493582	6934018	710				7/23/2022	Zach Buehler																					
No Sample	62.5373583	-99.12537792	62.53736	-99.1254	14	493549	6934051	709				7/23/2022	Zach Buehler																					
No Sample	62.53794955	-99.12666317	62.53795	-99.1267	14	493483	6934117	707				7/23/2022	Zach Buehler																					
No Sample	62.53401185	-99.12363429	62.53401	-99.1236	14	493538	6933678	701				7/23/2022	Chase McKay																					
No Sample	62.53480748	-99.12477682	62.53431	-99.1243	14	493605	6933711	700				7/23/2022	Chase McKay																					
No Sample	62.53489874	-99.12556192	62.5349	-99.1256	14	493539	6933777	698				7/23/2022	Chase McKay																					
No Sample	62.53519437	-99.12620448	62.53519	-99.1262	14	493506	6933810	697				7/23/2022	Chase McKay																					
No Sample	62.53578561	-99.12748966	62.53579	-99.1275	14	493440	6933876	695				7/23/2022	Chase McKay																					
No Sample	62.53608123	-99.12813221	62.53608	-99.1281	14	493407	6933909	694				7/23/2022	Chase McKay																					
No Sample	62.53667246	-99.12941751	62.53667	-99.1294	14	493341	6933975	692				7/23/2022	Chase McKay																					
No Sample	62.53154491	-99.12504103	62.53154	-99.125	14	493565.1	6933403	688				7/23/2022	Kiana Froese																					
No Sample	62.53273368	-99.12763207	62.53273	-99.1276	14	493432	6933536	684				7/23/2022	Kiana Froese																					
No Sample	62.53828348	-99.12464324	62.53828	-99.1246	14	493587	6934154	678				7/24/2022	Kiana Froese																					
No Sample	62.54005854	-99.12847986	62.54006	-99.1285	14	493390	6934352	672				7/24/2022	Kiana Froese																					
No Sample	62.53985613	-99.12253117	62.53986	-99.1225	14	493696	6934329	667				7/24/2022	Kiana Froese																					
No Sample	62.54133429	-99.12574452	62.54133	-99.1257	14	493531	6934494	665				7/24/2022	Kiana Froese																					
No Sample	62.57088864	-98.46438747	62.57069	-98.4644	14	527527.5	6937872	439				7/15/2022	Chase McKay																					
No Sample	62.56888169	-98.46427693	62.56888	-98.4643	14	527525	6937671	435				7/16/2022	Zach Buehler																					
No Sample	62.57001839	-98.47051976	62.57002	-98.4705	14	527213	6937795	402				7/16/2022	Chase McKay																					
No Sample	62.57171373	-98.47979069	62.57171	-98.4798	14	526735	6937980	354				7/16/2022	Zach Buehler																					
No Sample	62.57126474	-98.47974016	62.57126	-98.4797	14	526738	6937930	353				7/16/2022	Zach Buehler																					
No Sample	62.5706676	-98.47963931	62.57037	-98.4796	14	526744	6937830	351				7/16/2022	Zach Buehler																					
No Sample	62.56991777	-9																																

	latitude	longitude	latitude	longitude	utm_zone	utm_east	utm_north	sample_id	grid_id	parent_sample_id	STD_ID	date	sampler	site_disturb	site_veg	site_veg_c_landform	landform_slope	soil_moist_soil_hor	sample_d_smpl_color	smpl_mat	smpl_mat_other	avg_clast_avg_clast_dlast	geometry_hor_thick_sample_q	smple_note	gps	site_photo_direction	ns_inform	ns_inform_other	ns_note
No Sample	62.5075745	-98.4954456	62.56076	-98.4954	14	525940	6936753					7/17/2022	Chase McKay															Swamp	
No Sample	62.56032817	-98.4958805	62.56033	-98.4959	14	525918	6936705					7/17/2022	Chase McKay															Woody material and organic soil only	
No Sample	62.55409888	-98.49631603	62.5559	-98.4963	14	525896	6936657					7/17/2022	Gianna De Vera															No organic soil and woody material	
No Sample	62.55549496	-98.49675119	62.55947	-98.4968	14	525874	6936609					7/17/2022	Gianna De Vera															Swamp	
No Sample	62.55503478	-98.49709868	62.55903	-98.4971	14	525865	6936560					7/17/2022	Gianna De Vera															Located in swamp area. Full of organic wood	
No Sample	62.56018846	-98.49987276	62.56019	-98.4999	14	525712	6936688					7/17/2022	Kiana Froese															Swamp	
No Sample	62.55977795	-98.50032169	62.55978	-98.5003	14	525692	6936642					7/17/2022	Kiana Froese															Swamp	
No Sample	62.571281006	-98.49483218	62.57281	-98.4948	14	525961	6938096					7/17/2022	Zach Buehler															Gravel/water Sand w/ no soil	
No Sample	62.57023437	-98.49744486	62.57023	-98.4974	14	525829	6937808					7/17/2022	Zach Buehler																
No Sample	62.56805008	-98.49788016	62.56981	-98.4979	14	525807	6937760					7/17/2022	Zach Buehler																
No Sample	62.56931579	-98.49815444	62.56938	-98.4983	14	525785	6937712					7/17/2022	Zach Buehler																
No Sample	62.54742319	-99.1113248	62.54742	-99.1113	14	494274	6935171					7/25/2022	Zach Buehler																
No Sample	62.5462404	-99.10875414	62.54624	-99.1088	14	494406	6935039					7/25/2022	Zach Buehler																
No Sample	62.54466612	-99.10489653	62.54447	-99.1049	14	494604	6934841					7/25/2022	Zach Buehler																
No Sample	62.56796332	-98.50360734	62.56796	-98.5036	14	525514	6937553					7/17/2022	Kiana Froese																
No Sample	62.56754772	-98.50408148	62.56754	-98.5041	14	525490	6937505					7/17/2022	Kiana Froese																
No Sample	62.54328321	-99.10232839	62.54328	-99.1023	14	494736	6934709					7/25/2022	Zach Buehler																
No Sample	62.56710157	-98.50451432	62.5671	-98.5045	14	525468	6937456					7/17/2022	Kiana Froese																
No Sample	62.5667059	-98.50491733	62.56667	-98.5049	14	525448	6937408					7/17/2022	Kiana Froese																
No Sample	62.54242005	-99.10041232	62.54242	-99.1004	14	494834	6934613					7/25/2022	Kiana Froese																
No Sample	62.56581197	-98.50578776	62.56581	-98.5058	14	525404	6937312					7/17/2022	Gianna De Vera																
No Sample	62.53973418	-99.09461916	62.53973	-99.0946	14	495132	6934313					7/25/2022	Kiana Froese																
No Sample	62.57426869	-98.50103961	62.57427	-98.5011	14	525638	6938256					7/18/2022	Zach Buehler																
No Sample	62.57138209	-98.50152801	62.57386	-98.5015	14	525651	6938208					7/18/2022	Zach Buehler																
No Sample	62.57341009	-98.50196421	62.57341	-98.502	14	525594	6938160					7/18/2022	Zach Buehler																
No Sample	62.57298079	-98.50239949	62.57298	-98.5024	14	525572	6938112					7/18/2022	Zach Buehler																
No Sample	62.57255149	-98.50283476	62.57255	-98.5028	14	525550	6938064					7/18/2022	Zach Buehler																
No Sample	62.54182908	-99.10829698	62.54349	-99.1083	14	494249	6934732					7/25/2022	Kiana Froese																
No Sample	62.57500588	-98.50421827	62.57501	-98.5042	14	525476.8	6938337					7/18/2022	Kiana Froese																
No Sample	62.57455965	-98.50466939	62.57456	-98.5047	14	525454	6938287					7/18/2022	Kiana Froese																
No Sample	62.54052794	-99.10187187	62.54051	-99.1019	14	494759	6934402					7/25/2022	Gianna De Vera																
No Sample	62.54021221	-99.10122943	62.54021	-99.1012	14	494792	6934369					7/25/2022	Gianna De Vera																
No Sample	62.56926149	-98.50902141	62.57027	-98.509	14	525234	6937807					7/18/2022	Kiana Froese																
No Sample	62.56941737	-98.5099173	62.56942	-98.5099	14	525188.7	6937712					7/18/2022	Kiana Froese																
No Sample	62.571575214	-98.51527836	62.57175	-98.5153	14	524911.2	6937970					7/18/2022	Gianna De Vera																
No Sample	62.5708658	-98.5161525	62.57087	-98.5162	14	524867	6937871					7/18/2022	Gianna De Vera																
No Sample	62.57457576	-98.51657518	62.56958	-98.5175	14	524801	6937727					7/18/2022	Gianna De Vera																
No Sample	62.5404342	-99.1071974	62.54043	-99.1072	14	494485	6934392					7/25/2022	Gianna De Vera																
No Sample	62.57102805	-98.52420539	62.57103	-98.5242	14	524453	6937886					7/18/2022	Chase McKay																
No Sample	62.57248373	-98.52980802	62.57248	-98.53	14	524155	6938046					7/19/2022	Gianna De Vera																
No Sample	62.57205434	-98.53041569	62.57205	-98.5304	14	524133	6937998					7/19/2022	Gianna De Vera																
No Sample	62.57407469	-98.53323225	62.57407	-98.5333	14	523982	6938222					7/19/2022	Kiana Froese																
No Sample	62.53413017	-99.09903218	62.53413	-99.099	14	494904	6933689					7/24/2022	Zach Buehler																
No Sample	62.53442592	-99.09967447	62.53443	-99.0997	14	494871	6933722					7/24/2022	Zach Buehler																
No Sample	62.53472167	-99.10016177	62.53472	-99.1003	14	494838	6933755					7/24/2022	Zach Buehler																
No Sample	62.56822138	-98.70823111	62.56862	-98.7087	14	514965.9	6937562					7/30/2022	Houd Arar																
No Sample	62.53620035	-99.10352847	62.5362	-99.1035	14	494673	6933920					7/24/2022	Zach Buehler																
No Sample	62.56979964	-98.70709285	62.5698	-98.7071	14	515054.4	6937693					7/30/2022	Kiana Froese																
No Sample	62.53797467	-99.10738292	62.53797	-99.1074	14	494475	6934118					7/24/2022	Zach Buehler																
No Sample	62.57147693	-98.70547691	62.57148	-98.7057	14	515144.2	6937880					7/30/2022	Kiana Froese																
No Sample	62.57186694	-98.70493913	62.57187	-98.7049	14	515164	6937924					7/30/2022	Houd Arar																
No Sample	62.57229422	-98.70455783	62.57229	-98.7046	14	515183.4	6937972					7/30/2022	Kiana Froese																
No Sample	62.53886179	-99.10931032	62.53886	-99.1093	14	494376	6934217					7/24/2022	Zach Buehler																
No Sample	62.57236949	-98.70407479	62.57269	-98.7041	14	515208	6938016					7/30/2022	Houd Arar																
No Sample	62.57314485	-98.7023104	62.57251	-98.7023	14	515252	6938108					7/30/2022	Houd Arar																
No Sample	62.57395361	-98.70282244	62.57395	-98.7028	14	515271.7	6938157					7/30/2022	Kiana Froese																
No Sample	62.5743388	-98.70234596	62.57434	-98.7023	14	515296	6938200					7/30/2022	Houd Arar																
No Sample	62.57476575	-98.70186958	62.57477	-98.7019	14	515310.3	6938248					7/30/2022	Kiana Froese																
No Sample	62.70148174	-98.7014817	62.57514	-98.7015	14	515330	6938292					7/30/2022	Houd Arar																
No Sample	62.54241	-99.11702107	62.54241	-99.117	14	493980	6934613					7/30/2022	Zach Buehler																
No Sample	62.54270566	-99.11763771	62.54271	-99.1177	14	493947	6934646					7/30/2022	Gianna De Vera																
No Sample	62.54329698	-99.11894904	62.5431	-99.1189	14	493881	6934712					7/24/2022	Gianna De Vera																

APPENDIX D

2022 Core Drilling: Collar Table and Site Reclamation Photos

2022 Dipole Core Drill Hole Coordinates

Target Area	Drill Hole ID	X_E_N83Z14	Y_N_N83Z14	Azimuth (°)	Dip (°)	EOH (m)	Start	End
Dipole	22-DP-001	492959	6932246	135	-70	78.00	22-Jul-22	25-Jul-22
Dipole	22-DP-002	492959	6932246	135	-75	184.00	25-Jul-22	28-Jul-22
Dipole	22-DP-003	492992	6932281	135	-45	16.00	28-Jul-22	30-Jul-22
Dipole	22-DP-003A	492992	6932281	135	-45	114.00	30-Jul-22	05-Aug-22
Dipole	22-DP-004	493142	6932410	135	-70	169.00	01-Aug-22	05-Aug-22
Dipole	22-DP-005	493142	6932410	135	-82	211.00	05-Aug-22	08-Aug-22
Dipole	22-DP-006	492992	6932281	135	-65	145.00	05-Aug-22	07-Aug-22
Dipole	22-DP-007	492992	6932281	135	-82	202.00	07-Aug-22	09-Aug-22
Dipole	22-DP-008	493104	6932381	135	-45	165.00	20-Aug-22	22-Aug-22
Dipole	22-DP-009	492869	6932304	135	-55	250.00	10-Aug-22	14-Aug-22
Dipole	22-DP-010	493104	6932381	135	-70	178.00	10-Aug-22	12-Aug-22
Dipole	22-DP-011	492869	6932304	135	-70	6.00	15-Aug-22	15-Aug-22
Dipole	22-DP-011A	492869	6932304	135	-70	322.00	15-Aug-22	19-Aug-22
Dipole	22-DP-012	492908	6932351	135	-62	334.00	23-Aug-22	27-Aug-22
Dipole	22-DP-013	493155	6932327	135	-45	130.00	28-Aug-22	31-Aug-22
Dipole	22-DP-014	493067	6932348	135	-45	160.00	01-Sep-22	03-Sep-22

2022 Dipole Core Drill Site Reclamation Photos



22-DP-001, 22-DP-002



22-DP-003, 22-DP-003A, 22-DP-006, 22-DP-007



22-DP-004, 22-DP-005



22-DP-008, 22-DP-010



22-DP-009, 22-DP-011, 22-DP-011A



22-DP-012



22-DP-013



22-DP-014

2022 Jay 4 West Core Drill Hole Coordinates

Target Area	Drill Hole ID	X_E_N83Z14	Y_N_N83Z14	Azimuth (°)	Dip (°)	EOH (m)	Start	End
J4West	22-J4W-001	521740	6939113	026	-45	79.00	14-Aug-22	15-Aug-22
J4West	22-J4W-002	521740	6939113	026	-75	109.00	15-Aug-22	17-Aug-22
J4West	22-J4W-003	521708	6939144	026	-90	149.00	17-Aug-22	19-Aug-22
J4West	22-J4W-004	521783	6939090	026	-45	79.00	20-Aug-22	21-Aug-22
J4West	22-J4W-005	521783	6939090	026	-75	103.00	22-Aug-22	23-Aug-22
J4West	22-J4W-006	521827	6939069	026	-45	79.00	23-Aug-22	24-Aug-22
J4West	22-J4W-007	521827	6939069	026	-75	31.00	24-Aug-22	24-Aug-22
J4West	22-J4W-007A	521827	6939069	026	-75	109.00	24-Aug-22	27-Aug-22
J4West	22-J4W-008	521564	6939231	026	-45	79.00	28-Aug-22	31-Aug-22
J4West	22-J4W-009	521564	6939231	026	-75	109.00	31-Aug-22	03-Sep-22

2022 Jay 4 West Core Drill Site Reclamation Photos



22-J4W-001, 22-J4W-002



22-J4W-003



22-J4W-004, 22-J4W-005



22-J4W-006, 22-J4W-007, 22-J4W-007A



22-J4W-008, 22-J4W-009

APPENDIX E

Historic and 2022 Community Consultation Logs

Date	Time	Contact	Details
Wednesday, September 24, 2014		NIRB, AANDC, KIA, NWB, WSCC	Letter of closure from Maria Egerton
Monday, January 26, 2015	2-3 pm	KIA - Jeff Tulugak, Craig Beardsaw; KIV – Maria Egerton, Andrew Berry, Emily McNie	Informal meeting with KIA – discussed summer inspections, program and gave permission to use camp on snow mobile excursion to Ennadai Lake
Wednesday, January 28, 2015	6-10 pm	NTI - Keith Morrison, Jorgan Aitaok, Miguel Chenier, Chris Arko, Chris Kalluk, Carson Gillis, Ryan Gillis, Kate Chenier NIRB – Joe Ohokannoak KIA - Jeff Tulugak, Craig Beardsaw KIV - Jim Paterson, Jeff Ward, Andrew Berry, John Robins, Maria Egerton, Emily McNie, Reesa Meltzer	Annual Roundup dinner discussing Angilak property and Areva hearings and FEIS.
Tuesday, January 27, 2015	2:35- 2:55 pm	KIA - Jeff Tulugak, Craig Beardsaw in attendance	CSR session – Maria Egerton (De-Risking EA studies by Conducting Early-Stage Baseline Monitoring)
Thursday, March 5, 2015	3pm	Areva Final Hearing. Kiv – Maria Egerton, Jessie Oonark Gallery – Sheryl, Martha	Maria spoke to Sheryl (co-operator Jessie Oonark Art Gallery Baker Lake and Martha (artist and Baker community member) about the hearing that was taking place. Why it was taking place, where, and when and that they could attend any part and could speak during the community round table. Sheryl expressed here concerns about how mining changed the community in Manitoba where she grew up. The felt the introduction of strange men was a danger to young girls in the community. Martha expressed her desire for the children to have work, but was also concerned about how the Areva mine might change the community negatively with the introduction of income and use of drugs and lack of home care for children when parents were away working.
Saturday, March 7, 2015	1pm	Maria met a woman (Baker community member) selling caribou fur clothing at the community center during the hearing.	Maria explained that she worked for Kivalliq Energy, a uranium exploration company in permitting and environmental, and discussed some to the observations she collects on caribou as part of baseline studies and why (to assess caribou land use in the area and predict and mitigate potential impacts to caribou). Woman introduced her mother and explained that her mother had made the clothing and was born on the land around baker. Woman and Maria sat together during 2 and a half days of the hearing. The woman occasionally interpreted comments from community members and elders for Maria when they weren’t captured by interpreters.
Saturday, June 6, 2015	2:30 PM	Robert Janes (Mayor Rankin Inlet), Joseph Aupaluktuq (Mayor Baker Lake), Paul Kanayok (Chairperson HTC), Peter Alareak (KIA Director), Norman Attungala (KIA Director), Alex Ishalook (Chairperson HTC)	Letter to, from JW re: request for community meeting letter and community factsheet in English and Inuktitut
Monday, June 29, 2015	7- 9:15 pm	Rankin Inlet Hamlet community visit and presentation. Andy Berry presented, Maria Egerton assisted. In attendance: Robert Janes (Mayor Rankin Inlet),Craig Beardsall (KIA),David Kanayok, Sam Twyee, Roger Subqut, Jerome Tattuinee, Willie Alogut, Jack Kabuitok, John Ayaruaq, Levi Curley, Alex Sammurtok, 2 women who chose not to provide their names	Q - Woman 1 - How can you ensure that the Uranium you sell won't end up being used for weapons? Do you have any buyers? Will you be flying yellowcake out? It’s my understanding that if a plane carrying yellowcake crashed it would be an environmental disaster. A - Andy explained how Canadian Uranium is regulated by the CNSC A - Andy and Maria explained that we are an exploration company, that we are still a long way from selling or transporting yellowcake. Maria explained if and when the project ever became a mine, all aspects of it including whatever the proposed method of transportation of yellowcake would be, would have to go through a complete environmental review and related public hearings. Q – Jack - Does drilling release any radioactive particles to the air or soil? A - Andy explained that Kivalliq separates the hot drill cuttings from other drill muds and stores them in sealed drums. Q – Alex requested a paper copy of the entire presentation. Commented that the agreement with NTI was not favorable to the Inuit. He found the \$50,000 advance royalty payments and the \$1mil payment upon reaching stated resource level insufficient. A - Andy responded that Kiv has invested \$55 million within the IOL to date. That there are significant costs related to exploration that are not reflected in the presentation and that he could email him a digital copy of the presentation. Comments: Jerome commented that he had seen the camp the year before and it was very clean. Also that when the helicopter landed, they saw caribou grazing on the rocks and he was concerned about stepping on uranium rock. He recalled that Andy used the scintillometer to measure radioactivity.
Tuesday, June 30, 2015	8:30-10 pm	Arviat Hamlet community visit and presentation. Andy Berry presenter, Maria Egerton assisted. In attendance: Emil Arnalak (interpreter), Phillip Kigusiuinak, Lucien Kabuitok, Roxanne Konek, Susan Konek, Sophie Kuksuk, Alysia Kuksuk, Martha Nutarasungnik, Laurent Pameolik, Jason Irksuk, Jason Irksuk Sr., Sandra Irksuk, Racheal Okotak, Matthew Okotak, David Illungiyak, Siliis Illungiyak, John Akammak, Linda Sheetoga, Malena Sheetoga, Shanelle Sheetoga, Sarah Iblauk, Paul Iblauk, Stacey Kritaqliluk, Travis Kritaqliluk, Doyle Mukyungnik, Leo Mukyungnik, John Nungnilk, Janet Nungnilk, Charlie Alareak, Celina Iootna, Bobby Iootna, Lydia Mukyungnik, Cecelia Shamee, Ernie Sreetak, Peter Kritaqliluk, Peter Adjuk, Jonah Sewoee.	Emil Arnalak worked as interpreter and will be employed as a helper for the upcoming program. Our flight was delayed, Emil communicated our delay to community and set up hall in our absence. Former employees Martha Nutarasungnik, Ernie Sreetak, and Eugene Shamee came to greet us. Martha introduced us to her bother and sister-in –law Paul and Sandra Iblauk, both looking for work. Sandra Iblauk provided a resume – interested in work as a kitchen helper. Paul Iblauk provided a resume – has experience as a core splitter and is interested in work as a core splitter or drilling assistant. He expressed his interest in geology in general. David Illungiyak provided a resume - has experience as a core splitter and is interested in work as a core splitter or drilling assistant. Jason Irksuk Sr. commented to Andy that he was hungry. Peter Adjuk helped us carry bags back to hotel and commented that he too was hungry.
Thursday, July 2, 2015	7-9 pm	Baker Lake Hamlet community visit and presentation. Andy Berry presenter, Maria Egerton assisted. In attendance: Alexander Alooq (interpreter), Valerie Niego, Victoria Amarook (867) 793-4892	Q – Victoria asked if there are jobs A – Andy explained that for now we have only a few jobs and we have taken them back first. If we do well on our first few drill holes, we might have the opportunity to hire more Victoria is trained as a cook, or cook helper, and interested in working with us.
Saturday, July 4, 2015		INAC, KIA, NIRB, NWB, WSCC	Notification of the Commencement of Operations letters sent.
Friday, August 7, 2015		INAC, KIA, NIRB, NWB, WSCC	Notification of the Closure of Operations letters sent
Monday, January 25, 2016	11am	Government of Nunavut - Resident Geologist, Mike Beauregard	Talked with Andrew Berry at Roundup. Company and technical update
Wednesday, January 27, 2016	12-2pm	Jim Paterson, Jeff Ward, Andrew Berry, Cam Barker, Chris Arko, Chris Kalluk, Jorgan Aitaok	NTI/Kivalliq Lunch at Rogue. Company and technical update
Friday, June 24, 2016		INAC, KIA, NIRB, NWB, WSCC	Notification of the Commencement of Operations letters sent.
Wednesday, August 10, 2016		INAC, KIA, NIRB, NWB, WSCC	Notification of the Closure of Operations letters sent
November 7 to December 6, 2016		NTI - Director, Carson Gillis	Emails and telephone calls regarding Inuit Owned Land Parcels (IOLs).

Wednesday, January 25, 2017	6pm	NTI - Director, Carson Gillis NTI - Senior Advisor Lands Administration Planning and Management, Miguel Chenier NTI - Senior Advisor Minerals Oil and Gas Management, Jorgan Aitaak NTI - Manager GIS/IT, Chris Kalluk KIV - Jim Paterson/ Jeff Ward/ Andrew Berry/ Emily McNie	NTI Dinner at Rogue. Company and technical update
Friday, March 31, 2017 Wednesday, January 24, 2018	6pm	Nunavut Tunngavik Incorporated NTI - Senior Advisor Lands Administration Planning and Management, Miguel Chenier NTI - Senior Advisor Minerals Oil and Gas Management, Jorgan Aitaak NTI - Manager GIS/IT, Chris Kalluk KIV - Jim Paterson/ Jeff Ward/ Andrew Berry/ Emily McNie	Paid annual fees and royalty payments to NTI. NTI/Kivalliq Dinner at Steamworks. Company and technical update.
Monday, February 14, 2022	10 am -12 pm	Stephanie Lutz (APEX) - Arviat HTO Stephanie Lutz (APEX) - Hamlet of Whale Cove Stephanie Lutz (APEX) - Issatik HTO (Whale Cove) Stephanie Lutz (APEX) - Hamlet of Rankin Inlet Stephanie Lutz (APEX) - Aqigiq HTO (Chesterfield Inlet) Stephanie Lutz (APEX) - Baker Lake HTO	Called Arviat HTO to confirm contact information. Called Hamlet of Whale Cove to confirm council members and contact information. Called Issatik HTO to request contact name and email, would only provide general email to send correspondence and documents. Called Rankin Inlet Hamlet for Mayor's contact information and Kangiqliniq HTO number as current one was not in use, they were busy and asked if would call back. Called Aqigiq HTO to confirm contact information. Called Baker Lake HTO to confirm contact information.
Thursday, February 17, 2022	6pm	Marina Carvalho - KIA (Luis Manzo) Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Whale Cove Marina Carvalho - Hamlet of Rankin Inlet Marina Carvalho - Hamlet of Chesterfield Inlet Marina Carvalho - Hamlet of Arviat Marina Carvalho - NTI (Carson Gilles) Marina Carvalho - Arviat HTO Marina Carvalho - Aqigiq HTO Marina Carvalho - Kangiqliniq HTO (Rankin Inlet) Marina Carvalho - Issatik HTO Marina Carvalho - Baker Lake HTO	Email to request Consultation
Friday, February 18, 2022 February 23,2022	11am 12pm 1pm 1:30pm	Marina Carvalho - Kangiqliniq HTO (Rankin Inlet) Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - NTI Marina Carvalho - Hamlet of Arviat Marina Carvalho - HTO Baker Lake	Email response from Kangiqliniq HTO that consultation request would be presented to the board the following week. Phone call to follow up email for Community Consultation. No answer Carson from NTI responded the email acknowledging receipt and wishing "the best of luck and if we need more information or have any questions we will contact you" Phone call to follow up email for Community Consultation. No answer. Left a voice message to Melodie Obszarski Spoke with Carmen and she explained they were returning to the office this week. I resent the email which she confirmed receipt and said she would bring the matter to the next Board Meeting (date to be determined next week).We expect to receive an email from them after the Board Meeting
	2pm	Marina Carvalho - Hamlet of Arviat	Spoke with Steve England and he explained that council meetings happen twice a month. In March they will be held on Mar 8th and Mar 22nd. He suggested the company to participate in the council meeting on the day before the Public Consultation. For public consultation we would need to rent the space and the Hamlet will advertise on Radio, Facebook and Arviat Local News. We need to send an official requirement to the mayor authorizing our participation in the council meeting. There is a limitation of 50 or 100 people due to COVID.
February 24,2022	2:30pm	Marina Carvalho - HTO Arviat	Spoke with Nicole who confirmed the receipt of the email and agree on an in-person consultation in the third week of March. She said we could suggest the date and time. We will follow up with an email to confirm the date.
	10:30am 10:30am 11am	Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Kangiqliniq HTO (Rankin Inlet) Marina Carvalho - Hamlet of Arviat	Left a message for Sheldon Dorey to return my call Email received from Kangiqliniq HTO (Andre Aokaut) confirming that they would like to have an in-person consultation Attempt to contact Steve to verify if we could meet with the Mayor March 21st or do all meetings on the same day (Council, HTO and Public) in order to accommodate meetings in Arviat. He was not in the office, left a message that I would call again in the afternoon.
	5pm	Marina Carvalho - Hamlet of Arviat (Melodie Obszarski)	Melodie returned the call from Wednesday. I explained that I had spoken with Steve and he suggested the date of March 22nd when they are having the Council Meeting. She confirmed that the Council Meetings are held during the evening from 6pm to 8pm.
	5pm 5pm 6pm	Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Rankin Inlet Marina Carvalho - Hamlet of Rankin Inlet	Spoke with Darlene and she asked me to call again tomorrow morning to speak directly to Sheldon about our visit (Sheldon was in training the whole day today) Phone call to follow up email for Community Consultation. Left a voice message to Darren Flynn asking to return my call Darren Flynn returned the call and confirmed that there are no restrictions for in-person consultation. He will answer my email tomorrow morning confirming their availability to receive us in March. he also pointed out that as of Feb 24, indoor meetings are limited to 25 people which he thinks that Public Consultation might not be the best option for now.
February 25,2022	10am 4pm	Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Baker Lake	Tried to contact Sheldon Dorey but he was in meetings Tried to contact Sheldon Dorey again but he was not available.
February 28,2022	9am 9am 11am 12:30pm 4:30pm 4:30pm 4:30pm 4:30pm 6:00pm	Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Rankin Inlet Marina Carvalho - Kangiqliniq HTO (Rankin Inlet) Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Arviat Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Rankin Inlet Marina Carvalho - Kangiqliniq HTO (Rankin Inlet) Marina Carvalho - Hamlet of Rankin Inlet	Tried to contact Sheldon Dorey again but he was not in the office yet. I left a message with my phone number to return my call Email to Darren Flynn (SAO) confirming their availability on March 21st Email to Andre (HTO) confirming their availability on March 21st Sheldon returned the call and informed that he and the Mayor won't be in town on the third week of March. They have medical appointment in Winnipeg Email to Steve England requesting to meet on March 15 or March 16 during the day following by the Public Consultation in the evening Email to Sheldon requesting to meet on March 15 or March 16 during the day following by the Public Consultation in the evening Email to Darren Flynn requesting to meet on March 14 during the day following by the Public Consultation in the evening Email to Andre (HTO) requesting to change the date to March 14 Darren returned my email confirming availability on March 14 during Council Meeting (1:30pm) and/or March 15 at 10:30am

March 1 - March 11, 2022	<p>Marina Carvalho - Hamlet of Baker Lake Marina Carvalho - Hamlet of Rankin Inlet Marina Carvalho - Hamlet of Arviat Marina Carvalho - Baker Lake HTO Marina Carvalho - Kangiqliniq HTO (Rankin Inlet) Marina Carvalho - Arviat HTO</p>	<p>Several emails were exchanged in order to schedule meetings. All Hamlet & HTO representatives suggested in person meetings. Hamlets were requested to post the Public Meeting on their Facebook page and Local Radio.</p>
Monday, March 14, 2022	<p>Kangiqliniq HTO (Rankin Inlet) In-Person Meeting Kangiqliniq HTO - Chairman, Samuel Alagalak Kangiqliniq HTO - Vice-chair, Sampson Kowmuk Kangiqliniq HTO - Sectary Treasurer, Harry Ittinuar Kangiqliniq HTO - Director, Nigel Kubluitok Kangiqliniq HTO - Director, Kaluk Tatty Kangiqliniq HTO - Director, Levi Curley ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX)</p>	<p>Questions raised regarding proposed drilling program (starting date and length of the program) and environmental baseline studies. We explained Hemmera has been contracted to complete environmental baseline studies. Request for a map of the planned drilling area and which measures we would follow to protect the Caribou. We explained that the KIA Mobile Caribou Conservation Measures would be followed and Wildlife Monitors would be hired through the HTO's with authority to stop the activities if required. Concerns raised regarding low level helicopter flights and the exploration for Uranium. HTO suggested that we should educate the people to not be afraid of Uranium. HTO expressed general support of the program as long as there was to be consistnet effective communicaiton and adherence to the other issues discussed.</p>
Monday, March 14, 2022	<p>Rankin Inlet Public Meeting Rankin Inlet - Community Member, Andrew Qkerolik Rankin Inlet - Community Member, Mary Rose (translator) ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX)</p>	<p>Suggestion that all communication should improve as community members do not know who we are and what we are doing. Suggestion to have a bilingual liaison officer for a better communication and to provide updates of the activities performed on a regular basis</p>
Tuesday, March 15, 2022	<p>Hamlet of Rankin Inlet Hamlet of Rankin Inlet - Deputy Mayor, Martha Hickes Hamlet of Rankin Inlet - SAO, Darren Flynn Hamlet of Rankin Inlet - Councilor, Megan Pizzo Lyall Hamlet of Rankin Inlet - Councilor, Justin Merrit Hamlet of Rankin Inlet - Councilor, Michael Shouldice ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX)</p>	<p>Attendees mentioned the importance of a good communication between the Company and Community. Questions regarding Job opportunities for local people and training certification, contracts with local business and how much investment would stay in Nunavut. Concerns raised regarding Caribou disturbance especially low level flights. All concerns were addressed and we committed to have two Wildlife Monitors hired through the HTO onsite at all times the Project is running. Expressed general support of the program as long as there was to be consistent effective communicaiton and adherence to the issues discussed.</p>
Tuesday, March 15, 2022	<p>Hamlet of Baker Lake In-Person Meeting Baker Lake Mayor Richard Aksawnee Baker Lake SAO Sheldon Dorey ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX)</p>	<p>Questions raised regarding the exploration program and the next stages after the drilling program. They reinforced the importance of having the HTO supporting the project and that the Hamlet and the HTO positions must align. Concerns raised about Caribou and environmental protection. Discussion regarding Baker Lake as the main hub for logistics and resources. Questions raised regarding utilizing local business and people. Asked to keep communication open and clear. Expressed general support of the program as long as HTO was also in support.</p>
Tuesday, March 15, 2022	<p>HTO Baker Lake In-Person Meeting Chairman, Phillip Putumiraqtuq Vice-chair, James Kalluk Secretary treasurer, Hosea Iksiraq Director, Eva Elytook Director, John Etegayok Director, Joedee Joedee Director, Alex Justin Iqqaat Director, Timothy Evviuk ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX) Translator - Sarah</p>	<p>Initial questions raised were about AREVA Resources Canada Inc.'s Kiggavik Uranium Mine Project, which was not allowed to proceed by NIRB in 2016 due to uncertainties and concerns with respect to environmental and socioeconomic effects as a number of board members thought Angilak was the same project. Questions were similar to other meetings generally regarding Caribou protection, garbage and environmental issues. Board members wanted to know if the Wildlife Monitors would have authority to shut down the drills when caribou herds approached. We confirmed that wildlife monitors would have the authority to follow the KIA Mobile Caribou Conservation Measures. Questions were also raised regarding the size and continuity of exploration. Request for a site visit when possible.</p>
Tuesday, March 15, 2022	<p>Baker Lake Public Meeting Attendees: 13 people ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX) Translator - Alexander</p>	<p>Woman asked about NTI Agreement and also why there was no activity at the project between 2016 and 2021. Questions asked about job opportunities, who will post the jobs and what the shift hours would be. Questions about COVID, such as if everyone coming to Nunavut would be fully vaccinated. We explained all project personnel are following the Federal Guidance and everyone would be fully vaccinated and with a COVID plan in place, rapid testing and isolation, if needed.</p>
Wednesday, March 16, 2022	<p>Hamlet of Arviat In-Person Meeting Hamlet of Arviat - Mayor, Joe Savikataaq Jr. Hamlet of Arviat - SAO, Steve England ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX)</p>	<p>Questions regarding the stage of the project and if our current reserve was enough to become a mine. Colin explained that ValOre still needs to do more work to expand the reserve, that the potential is there but it can takes many years. They were happy to see us back performing some work because it was very quiet in the past few years.</p>
Wednesday, March 16, 2022	<p>Arviat HTO In-Person Meeting Arviat HTO - Chair, Sam Muckpah Arviat HTO - Director, Gordy Kidlapik Arviat HTO - Director, Thomas Ubluriak ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX) Translator - Bobby Suluk</p>	<p>The Mayor reinforced that they can provide trained workforce and asked us to consider Arviat as the main point for our Logistics. Meeting cancelled due to lack of quorum. To be rescheduled to a virtual meeting when in-person consultation trip concluded.</p>
Wednesday, March 16, 2022	<p>Arviat Public Meeting Attendees: 7 people + 5 coming near the end ValOre - Colin Smith/ Marina Carvalho/ Tara Gunson (APEX) Translator - Bobby Suluk</p>	<p>PowerPoint presentation with large printed maps on walls, Q & A session and then gift raffle. Some young men who joined mid-meeting asked about local business and job opportunities. There were no questions other than job opportunities.</p>
Thursday, March 24, 2022	<p>Arviat HTO</p>	<p>We explained all job positions would be posted soon through the Hamlet. Virtual meeting scheduled for March 28, 2022 at 7 pm.</p>
Monday, March 28, 2022	<p>Arviat HTO</p>	<p>Virtual meeting was canceled by the HTO due to lack of quorum.</p>
March 24 - April 04, 2022	<p>Kangiqliniq HTO (Rankin Inlet) Baker Lake HTO Arviat HTO</p>	<p>All HTO's were contacted to request community member names for Wildlife Monitor positions. Baker Lake HTO provided referrals.</p>

Tuesday, April 12, 2022	Kangiqliniq HTO (Rankin Inlet)	Received Letter of Non-Support for the Project. Reached out to discuss what had changed their minds since the meeting.
Thursday, May 5, 2022	Hamlet of Baker Lake	Received Letter of Support for the Project.
Thursday, July 28, 2022	Hamlet of Baker Lake - Mayor, Richard Aksawnee	Email site visit invitation.
	Hamlet of Baker Lake - SAO, Sheldon Dorey	Hamlet and HTO of Baker Lake confirmed the visit.
	Hamlet of Baker Lake - ASAO, Robert Seeteenak	Hamlet of Arviat could not go, but a virtual meeting for an activities update was scheduled.
	HTO Baker Lake - Manager, Carmen Ikuutaq	James Taipana and Valerie Niego responded the KIA would not be able to participate this time but would make theirselves available for next time.
	Hamlet of Arviat - Mayor, Joe Savikataaq Jr	
	Hamlet of Arviat - SAO, Steve England	
	Hamlet of Arviat - ASAO, Michael Cohen	
	KIA - CLO Baker Lake, Valerie Niego	
	KIA - Community Director, James Taipanak	
Monday, August 8, 2022	Nutaaq Camp Visit	The site visit was very positive.
	Baker Lake - Mayor, Richard Aksawnee	Visitors observed and were able to understand the activities performed in Nutaaq Camp and ValOre's commitment to run the program in terms of people, environment and wild life.
	Baker Lake - Hamlet representative, Willie	Following a quick presentation with coffee and cake, we engaged in a very positive open conversation about the project, our intent, and potential future development in Nunavut.
	Baker Lake - HTO Chair, Phillip Putumiraqtuq	
	Baker Lake - HTO Vice chair, James Kalluk	
	ValOre - Colin Smith/ Philo Schoeman (APEX)	
Tuesday, August 9, 2022	Zoom meeting	Mismatched schedules didn't allow for a site visit, but very positive Zoom meeting.
	Arviat - Mayor, Joe Savitaaq Jr.	Mr. Savitaaq was in favour of the project with the intent of increasing opportunities for Arviat and suggested to implement uranium information in future presentations to educate people about Uranium as it is
	Arviat - Acting SAO, Michael Cohen	currently feared in the community as being dangerous. Mr. Savitaaq also suggested it would be beneficial to dedicate a few slides on how uranium exploration and in particular, mining, can be conducted safely for
	ValOre - Colin Smith/ Marina Carvalho/ Philo Schoeman (APEX)	the proximal communities, employee, wildlife, and environment.