

Location:	<i>C</i>	Site:	<i>A</i>	Date:	<i>20250306</i>				
Time:	<i>955</i>	Observers:	<i>Samuel Sherry</i>	Interval board SWE measurement					
Precip Rate	<i>None</i>	Very Light (0.5 cm/hr)	Light (1 cm/hr)	Moderate (5 cm/hr)	Heavy (10 cm/hr)	Depth (cm)	SWE (mm)	Density (kg/m³)	Evidence of melt resulting in SWE loss? (Y/N)
Precip Type	Rain	Snow	Graupel	Hail	Rain/Snow	Sample A	<i>10 - 8</i>	<i>13.5</i>	<i>125</i>
Sky	Clear	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	<i>Broken</i> (> 1/2 of sky)	Overcast (complete cover)	Sample B	<i>11, 7</i>	<i>14.5</i>	<i>129</i>
Wind	Calm (0 mph)	Light (1 - 16 mph)	Moderate (17 - 25 mph)	Strong (26 - 38 mph)	Extreme (> 38 mph)	Ground condition	<i>Smooth</i> (< 5 cm)	<i>Rough</i> (5 - 20 cm)	<i>Rugged</i> (> 20 cm)
Tree Canopy	No trees	Sparse (5 - 20%)	<i>Open</i> (20 - 70%)	Closed (> 70%)	Ground Vegetation	Bare	<i>Grass</i>	<i>Shrub</i>	<i>Deadfall</i>
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	<i>10</i>
Digital LWC	N		Snow Scope	Y	<i>208</i>	Weather			
Stratigraphy pictures	Y		Lyte Probe	N					
Standard ram	Y		SMP	N					
Powder Ram	Y		Force Ram	Y					
Slush Ram	N		Force Snow Scope	Y	<i>151</i>				
HS Transects	Y		Snow Scope Transects	N					
Pit Pictures	Y		SSA / NIR Box	Y	<i>101</i>				
Other						Misc			

Location (Regional Scale)	Date (YYYYMMDD)	Observers (first initial & last name):				Comments/Notes:		
Site (Study Plot)	Time (pit opened)	Temperature profile						
Pit ID	SITEYYYYMMDD	START	END	1607	1645			
Aut	Am 20250206	Snow Depth (cm)	LWC Device & SN	UTME	UTMN	Zone (two digit)	GPS device & uncertainty:	
	154	22.2	20101105	041719186	441124124	13	Granular 65%	
Density			LWC	Temperature	Stratigraphy			
Height above ground	Density profile A (kg/m³)	Density profile B (kg/m³)	Extra Density	Permittivity profile A (unitless)	Permittivity profile B (unitless)	Height above ground (cm)	T (°C)	Height above ground (cm)
top - bottom (cm)						(cm)	oC	(cm)
14.9, 8 - 165.9	1.4	2	1.14			154	-11.5	154
148.4 - 178.6	19.8	31.5	15.9			152	-3	152
178.6 - 194.6	12.9	45.8	24.2			152	-3.5	152
194.6 - 211	13.6	41.5	25			140	-5.5	140
211 - 20.2	10.8	57.4	47.3			133.5	1	133.5
20.2 - 49.6	30.6	43.5	31.2			130	-5.5	133.5
49.6 - 79.8	14.8	54.5	24.0			120	-5.5	109
79.8 - 0	24.9	9.0	30.2			110	-5	109
-						100	-4.5	93
154 - 14.6	12.9	15.7	5.0.0	58.0	93	-4.5	93	82
14.6 - 134	16.2	15.5		59.1	59.7	90	-4.5	115
134 - 172.1	20.9	18.6	12.8	62.3	82	-4	82	52
172.1 - 114	161	16.1	65.5	60.5	80	-4	115	0.5
114 - 104	124	12.1	64.3	69.0	70	-3.5	52	1
104 - 94	2.9	2.6	5.9	56.4	60	-3	52	28
94 - 84	3.9	3.9	6.7	67	65.2	52	28	M
84 - 74	2.9	3.1	5.3	53.7	53.5	52	2.5	0.5
74 - 64	3.6	3.1	5.3	53.7	53.5	52	2.5	1
64 - 54	30.1	29.9	58.6	57.6	70	-11.5		
54 - 44	23.1	15.6	41.9	48.1	76	-7		
44 - 34	28.2	30.8	30.1	31.1	30.9	7.8	0	4
34 - 24	23.3	23.6	32.1	32.3	32.1			1
24 - 14	26.4	27.2	35.6	35.9	35.9			
14 - 04	29.6	28.8	35.3	35.3	35.3			

Location:	(C)	Date:	2022-06-06		
Site:	Aud	Time:	10:22:00		
Pit:	4m 207 S 030° 06'	Force	Depth	Depth	
X-Coord	Y-Coord	Time	Data Type	SN	Profile #
0	30	1107	SD Pipe		max
70	1	1115	Raw Data	308	Force Gage
0	60	1123		166	N
30		1124		168	Y
60		1124		169	Downward
90		1125		170	
120		1125		171	
0	90	1122	SD Pipe	1000	Force Gage
30		1122		1000	N
60		1122		1000	Y
90		1122		1000	Downward
120		1122		1000	
0	120	1122	SD Pipe	1063	Force Gage
30		1122		1063	N
60		1122		1063	Y
90		1122		1063	Downward
120		1122		1063	
0	150	1122	SD Pipe	151	Force Gage
30		1122		151	N
60		1122		151	Y
90		1122		151	Downward
120		1122		151	
0	180	1122	SD Pipe	55	Force Gage
30		1122		55	N
60		1122		55	Y
90		1122		55	Downward
120		1122		55	
0	210	1122	SD Pipe	41	Force Gage
30		1122		41	N
60		1122		41	Y
90		1122		41	Downward
120		1122		41	
0	240	1122	SD Pipe	23	Force Gage
30		1122		23	N
60		1122		23	Y
90		1122		23	Downward
120		1122		23	
0	270	1122	SD Pipe	80	Force Gage
30		1122		80	N
60		1122		80	Y
90		1122		80	Downward
120		1122		80	

Ram Penetrometer Field Data Sheet

Location:	Co								Tube weight	T	kg				
Site:	Am								Hammer weight	H	kg				
Associated pit/transect/point:	Am 20250306								Number of falls	n					
Date:	20250306								Fall height	f	cm				
Observer:	Eric Clegg Skinner								Location of point	p	cm				
UTME:	UTMN:				Zone: 13		$RN = T + H + nfH/p$ kg								
Ram type:	STD Pow				Ram mass: kg				$RR = 9.81 (T + H + nfH/p)$ N						
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p	
2	0	0	0	48			1	10	49			1	5	23	
2	0.5	0	0	48					49					24	
	10	5	49				2	10	46					25	
	2	10	50						47					26.5	
		51					3	5	48					27.5	
		52							49					28	
		53					2	5	101					29	
		54					1	5	102.5				25	30	
	1	10	55						103.5					31	
	2	10	56						104					32	
	1	20	57				2	5	105				2	5	33
	2	20	58				1	10	106				3	10	34
	1	25	59				1	10	149.5				2	10	35
		60					1	5	150					36	
	2	25	61				2	5	151				3	10	37
	1	30	62						152					38	
	3	30	63						153				2	10	39
	2	40	64				4	5	154					40	
		65					2	10	155					41	
		66					3	10	156					42	
		67												43	
	1	30	68						4				1	20	44
	2	30	69						4				3	10	45
	1	30	70				1	20	6				2	10	46
	2	30	71						7				3	25	47
	1	40	73				2	2	8						48
	1	30	75				2	5	9						49
	1	20	77				1	5	10						50
	1	10	84						11				2	25	51
	1	5	85						12.5					52	
	2	5	86						14					53	
		87							15				3	25	54
		88					2	5	16				2	25	55
	3	5	89				1	5	17						56
	2	10	90						18				3	25	57
	1	10	91				2	5	19.5				2	25	58
		92					1	5	20.5				2	25	59.5
		93							21				1	25	60

Notes:

Ram Penetrometer Field Data Sheet

Location:								Tube weight		T	kg			
Site:								Hammer weight		H	kg			
Associated pit/transect/point:								Number of falls		n				
Date:				Time:				Fall height		f	cm			
Observer:								Location of point		p	cm			
UTME:		UTMN:		Zone:		$RN = T + H + nfH/p$								
Ram type:				Ram mass: kg				$RR = 9.81 (T + H + nfH/p)$ N						
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
2	25	61												
3	25	62												
4	25	63												
5	25	64												
6	25	65												
7	25	66												
		67												
		68												
		69												
		70												
2	25	71												
		72												
		73												
		74												
1	25	75												
												Notes:		