

Location:	C		Site:	Ant		Date:	20250130			
Time:	1200		Observers:	Emelius, Svenne ✓			Interval board SWE measurement			
Precip Rate	None	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	4.7	6	142.85
Sky	Clear	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	Broken (> 1/2 of sky)	Overscast (complete cover)		Sample B	5.2	7.5	144.23
Wind	Calm (0 mph)	Light (1-16 mph)	Moderate (17-25 mph)	Strong (26-38 mph)	Extreme (> 38 mph)		Sample C	6.0	9.5	158.33
Tree Canopy	No trees	Sparse (5-20%)	Open (20-70%)	Closed (> 70%)			Ground condition	Frozen	Moist	Saturated
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments	Height of Ground Vegetation (cm)	10		
Digital LWC	N		Snow Scope	Y		Weather				
Stratigraphy pictures	Y		Lyte Probe	N						
Standard ram	✓		SMP	N						
Powder Ram	Y		Force Ram	Y						
Slush Ram	N		Force Snow Scope	Y						
HS Transects	Y		Snow Scope Transects	N		Hardness				
Pit Pictures	Y		SSA / NIR Box	Y	0101		107	Q	Shrub	Deadfall
Other						Misc				

Ram Penetrometer Field Data Sheet

Location:	Co				Tube weight	T	kg								
Site:	Am				Hammer weight	H	kg								
Associated pit/transect/point:	Am 20250130				Number of falls	n									
Date:	20250130				Fall height	f	cm								
Observer:	Erica SKINNER				Location of point	p	cm								
UTME:	UTMN:		Zone:	$RN = T + H + nfH/p$ 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	
1	0	0	0	33			5	5	101						36
1	0.5	0	0	33			6	5	102						37
	5	1	34				1	20	103						38
	2	5	35						104						39
		36					2	20	105						40
	1	5	37				2	20	106						41
	3	5	38												42
	2	5	39		0.1	0	0	0	6						43
		40			0.1	0.2	0	0	6						44
		41					1	1	7						45
		42							8						46
		43							9						47
		44							10						48
	3	5	45						11						49
	1	10	46				2	1	12						50
		47					1	1	13						51
		48							14						52
	1	5	49						15						53
		50					2	1	16						54
		51					3	1	17						55
		52					1	3	18						56
	2	5	53						19						57
	1	5	70						20						58
	1	1	71						21						59
	1	3	72						22						60
	2	3	73						23						61
	1	3	89						24						62
	1	3	90				2	3	25						63
		91					1	3	26						64
		92					3	3	27						65
	2	3	93				2	5	28						66
		94							29						67
	1	3	95						30						68
		96					3	5	31						69
	1	1	97				2	10	32						70
		98							33						71
	4	1	99						34						72
	2	5	100						25						73
															74
															75

Notes:

Location: Co

Date: 20250130

Site: Am

Pit: Am 20250130

Time: 13:11

Observers: Eric Cole Skinner

Force

Depth

Depth

X-Coord

YCoord

Time

Data Type

SN

Profile #

Force Gage

N

cm

cm

cm

Y/N

Comments

0	20	1158	STD Lam		106		✓	
20	60	1303	Paw Print		75		✓	
0	60	1309	SCOPE	151	852		✓	new
20		1309			854		✓	
60		1310			855		✓	
40		1310			856		✓	
120	✓	1311			358		✓	
0	40	1318	Force Lam		50		✓	
20		1319			49.4	81	✓	
60	✓	1319			42.4	86	✓	
40		1319			40.05	85	✓	
120	✓	1319			32.95	84	✓	
0	120	1322	Force Scope		38.125	87	✓	Towers
20		1322			13.5	29	✓	
60		1323			9.15	40	✓	
40		1323			7.0	90	✓	
120	✓	1323			8.15	88	✓	
					8.63	90	✓	
					9.05	91	✓	

Location (regional scale)		Site (study plot)		Transects		Date	Time			
				A,B		20250130	Start	End		
Observer(s)		Wx Description								
Emilia Skinner		Few, Light, Mod ATL								
1137 Transect A 1141A		1129 Transect B 1136		107@Sturka						
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	112	31	133	0	115	31	105			
1	115	32	124	1	109	32	110			
2	115	33	125	2	108	33	110			
3	123	34	122	3	110	34	113			
4	120	35	127	4	114	35	103			
5	119	36	128	5	118	36	103			
6	117	37	135	6	112	37	117			
7	121	38	134	7	112	38	116			
8	124	39	129	8	114	39	120			
9	126	40	135	9	117	40	119			
10	125	41	130	10	113	41				
11	128	42		11	110	42				
12	129	43		12	115	43				
13	131	44		13	113	44				
14	121	45		14	113	45				
15	129	46		15	114	46				
16	132	47		16	113	47				
17	127	48		17	110	48				
18	125	49		18	110	49				
19	126	50		19	107	50				
20	131	51		20	104	51				
21	119	52		21	103	52				
22	127	53		22	111	53				
23	125	54		23	105	54				
24	133	55		24	107	55				
25	142	56		25	106	56				
26	140	57		26	107	57				
27	133	58		27	106	58				
28	145	59		28	107	59				
29	135	60		29	108	60				
30	136			30	108					