

Location:	<i>C</i>	Site:	<i>SUMET</i>	Date:	<i>2024/12/04</i>				
Time:	<i>0844</i>	Observers:	<i>Eric</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	Sample B	Sample C	
Sky	<i>Clear</i>	<i>Few</i> (< 1/4 of sky)	<i>Scattered</i> (1/4-1/2 of sky)	<i>Broken</i> (> 1/2 of sky)	<i>Overcast</i> (complete cover)	<i>Ground condition</i>	<i>Frozen</i>	<i>Moist</i>	<i>Saturated</i>
Wind	<i>Calm (0 mph)</i>	<i>Light (1 - 16 mph)</i>	<i>Moderate (17 - 25 mph)</i>	<i>Strong (26 - 38 mph)</i>	<i>Extreme (&gt; 38 mph)</i>	<i>Ground roughness</i>	<i>Smooth (&lt; 5 cm)</i>	<i>Rough (5 - 20 cm)</i>	<i>Rugged (&gt; 20 cm)</i>
Tree Canopy	No trees	<i>Sparse (5 - 20%)</i>	<i>Open (20 - 70%)</i>	<i>Closed<br (&gt;="" 70%)<="" i=""/></i>	<i>Ground Vegetation</i>	<i>Bare</i>	Grass	Shrub	Deadfall
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	
Digital LWC	<i>Y</i>		Snow Scope	<i>Y</i>	<i>234</i>	<i>Weather</i>			
Stratigraphy pictures	<i>Y</i>		Lyte Probe	<i>N</i>					
Standard ram	<i>Y</i>		SMP	<i>N</i>		<i>Pit</i>			
Powder Ram	<i>Y</i>		Force Ram	<i>Y</i>					
Slush Ram	<i>N</i>		Force Snow Scope	<i>Y</i>	<i>234</i>	<i>Hardness</i>			
HS Transects	<i>Y</i>		Snow Scope Transects	<i>N</i>					
Pit Pictures	<i>Y</i>		SSA / NIR Box	<i>N</i>		<i>Misc</i>			
Other									



Location: C0 Date: 2024/12/04

Site: SUMER

Pit: SUMER 20241204

Time: 0839 Observers: EmeCee

Force	Depth	Depth	Grnd
max	manual	digital	
N	cm	cm	Y/N
37			Y
44			Y
29	29		Y
35	34		
36.5	38		
37	37		
37	39		
46	22	N	
47	16		
48			
49	27		
50	26		
6	22	21	
5	20	13	
5	24	21	
4	21	20	
4	20	16	

Comments

**Ram Penetrometer Field Data Sheet**

Location: CO								Tube weight		T	kg			
Site: SWMET								Hammer weight		H	kg			
Associated pit/transect/point: SWMET 20241209								Number of falls		n				
Date: 20241204				Time: 0940 / 0952				Fall height		f	cm			
Observer: Eric Cie								Location of point		p	cm			
UTME:	UTMN:			Zone:		$RN = T + H + nfH/p$								
Ram type:				Ram mass: kg				$RR = 9.81 (T + H + nfH/p)$						
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
0.1	0	0	0	6.5	1	.5	0	0	28.5					
0.1	0.05	0	0	6.5	1	.5	0	0	22.5					
		1	1	8.5			3	1	29.5					
		1	1	9			4	1	24.5					
		2	1	10			1	1	25					
		1	1	11			1	1	38					
		1	1	12			5	1	38.5					
		1	1	13			2	5	40					
		2	1	14			1	5	41					
		1	1	15			2	5	42					
		3	1	16			3	5	43					
		3	1	17			5	5	44					
		4	1	18			5	5	44					
		5	1	19										
		2	5	20										
		2	5	24.5										
		3	1	26										
		3	1	27										
		1	5	28.5										
		1	5	22.5										
		2	5	30.5										
		3	5	31.5										
		10	5	31.5										
		5	10	32										
		5	20	33										
		5	25	34										
		5	25	35										
		2	25	36										
		10	10	37										
0.1	-1	5	1	37										
Notes:														

Location (regional scale)		Site (study plot)		Transects		Date	Time			
CG		SLM ET		A, B		2024/12/04	Start	End		
Observer(s)		Wx Description								
Eric Cao		CLR Light No Rain Hs 44cm								
Transect A				Transect B						
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	37	31	26	0	41.5	31	52			
1	21	32	19.5	1	49	32	50			
2	42	33		2	43	33	49			
3	48	34		3	46.5	34	39			
4	44	35		4	38	35				
5	49	36		5	50	36				
6	46	37		6	48	37				
7	42.5	38		7	48	38				
8	46	39		8	45	39				
9	42.5	40		9	45	40				
10	40	41		10	47	41				
11	40	42		11	49	42				
12	56	43		12	48	43				
13	42	44		13	44	44				
14	42	45		14	51	45				
15	41	46		15	44.5	46				
16	32	47		16	45	47				
17	37	48		17	33	48				
18	39	49		18	33.5	49				
19	25	50		19	48	50				
20	34	51		20	51	51				
21	46.5	52		21	48	52				
22	40	53		22	50	53				
23	41	54		23	70	54				
24	46.5	55		24	61	55				
25	39	56		25	48	56				
26	39	57		26	62	57				
27	37	58		27	79	58				
28	29	59		28	56	59				
29	18	60		29	53	60				
30	22.5			30	41					