

Location:	Co	Site:	SLWET	Date:	2024/12/30					
Time:	1141Z	Observers:	C.M., C.H., C.K.H.W.T.	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	19.2	20	104	N
Sky	Clear	Few <td>Scattered (1/4-1/2 of sky)</td> <td>Broken<br (&gt;="" 1="" 2="" of="" sky)<="" td=""/><td>Overcast (complete cover)</td><th>Sample B</th><td>19.4</td><td>19.5</td><td>101</td><td></td></td>	Scattered (1/4-1/2 of sky)	Broken <td>Overcast (complete cover)</td> <th>Sample B</th> <td>19.4</td> <td>19.5</td> <td>101</td> <td></td>	Overcast (complete cover)	Sample B	19.4	19.5	101	
Wind	Calm (0 mph)	Light (1-16 mph)	Moderate (17-25 mph)	Strong (26-38 mph)	Extreme <th>Ground condition</th> <td>Frozen</td> <td>Moist</td> <td>Saturated</td> <td></td>	Ground condition	Frozen	Moist	Saturated	
Tree Canopy	No trees	Sparse (5-20%)	Open (20-70%)	Closed <th>Ground Vegetation</th> <td>Smooth<br (&lt;="" 5="" cm)<="" td=""/><td>Rough (5-20 cm)</td><td>Rugged<br (&gt;="" 20="" cm)<="" td=""/><td></td></td></td>	Ground Vegetation	Smooth <td>Rough (5-20 cm)</td> <td>Rugged<br (&gt;="" 20="" cm)<="" td=""/><td></td></td>	Rough (5-20 cm)	Rugged <td></td>		
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments	Height of Ground Vegetation (cm)			
Digital LWC	N		Snow Scope	Y	234	Weather				
Stratigraphy pictures	Y		Lyte Probe	N						
Standard ram	Y		SMP	Y	011	Pit				
Powder Ram	Y		Force Ram	Y						
Slush Ram	N		Force Snow Scope	Y	234	Hardness				
HS Transects	Y		Snow Scope Transects	N						
Pit Pictures	Y		SSA / NIR Box	Y			Hs 0.57 cm			
Other					Misc					



**Ram Penetrometer Field Data Sheet**

Location: CO									Tube weight	T	kg			
Site: SLANT									Hammer weight	H	kg			
Associated pit/transect/point: 810020241230									Number of falls	n				
Date: 2024/12/30									Fall height	f	cm			
Observer: ERIC C HANEY									Location of point	p	cm			
UTME:	UTMN:	Zone:								$RN = T + H + nfH/p$				
Ram type: 36/36	Jefco	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
1	0.0	0	0	68	0.1	0	0	0	7.5	3	5	46.5		
1	0.5	0	0	68	0.1	0.5	0	0	7.5	3	10	48		
						1	1	10.5		1	10	49		
						2	1	11		2	10	50.5		
						2	2	11.5		1	10	51.5		
						4	2	12				53.5		
						C	2	12.5		1	5	54.5		
						1	5	13				55		
							14			2	5	56		
							15					57.5		
							16					58.5		
							17			2	10	59.5		
							18					60		
							19			3	10	61		
							20					62		
							21					63		
							22					63.5		
							4	5	23	1	25	64		
							1	10	24					
							2	10	25					
							1	10	26					
								27						
							2	10	28					
								29						
							3	10	30.5					
							1	10	31.5					
								33						
							1	5	34					
								35						
								36						
								37						
								38						
								39						
							2	5	40.5					
								42						
								43						
								44.5						
								45.5						

Notes:



Location (regional scale)		Site (study plot)		Transects		Date	Time			
CO		SWIFT		A, B		2024/12/30	Start	End		
Observer(s)		Wx Description Overcast Cloudy LIGHT Wind								
Transect A		Transect B								
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	60	31		0	67	31	79	1A TREE WELL		
1	51	32		1	40	32	74	12A " "		
2	65	33		2	67	33	55	18A " "		
3	69	34		3	65	34		26A STUMP/ROCK		
4	68	35		4	71	35		27A TREE WELL		
5	71	36		5	70	36		28A " "		
6	63	37		6	64	37		B = 1149 - 1154		
7	61	38		7	67	38		1B STUMP		
8	63	39		8	41	39		4B DRIFT		
9	65	40		9	70	40		5B " "		
10	60	41		10	70	41		17B STUMP		
11	58	42		11	72	42		22/23/24 DRIFT		
12	50	43		12	72	43		27B " "		
13	61	44		13	71	44				
14	57	45		14	66	45				
15	58	46		15	71	46				
16	58	47		16	66	47				
17	53	48		17	51	48				
18	47	49		18	65	49				
19	62	50		19	75	50				
20	66	51		20	74	51				
21	64	52		21	74	52				
22	65	53		22	82	53				
23	65	54		23	85	54				
24	63	55		24	81	55				
25	66	56		25	87	56				
26	46	57		26	63	57				
27	39	58		27	102	58				
28	39	59		28	81	59				
29	44	60		29	83	60				
30	40			30	79					