

Location:	Co	Site:	Am	Date:	2024/12/31				
Time:	0900	Observers:	Eric Currin, Eddie P.	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	26	32.5	1725
Sky	Clear	Few <td>Scattered (1/4-1/2 of sky)</td> <td>Broken<br (>="" 1="" 2="" of="" sky)<="" td=""/><td>Overcast (complete cover)</td><th>Sample B</th><td>28.5</td><td>26</td><td>126</td></td>	Scattered (1/4-1/2 of sky)	Broken <td>Overcast (complete cover)</td> <th>Sample B</th> <td>28.5</td> <td>26</td> <td>126</td>	Overcast (complete cover)	Sample B	28.5	26	126
Wind	Calm (0 mph)	Light (1-16 mph)	Moderate (17-25 mph)	Strong (26-38 mph)	Extreme <th>Sample C</th> <td>37</td> <td>37</td> <td>128</td>	Sample C	37	37	128
Tree Canopy	No trees	Sparse (5-20%)	Open (20-70%)	Closed <td>Ground roughness</td> <th>Ground condition</th> <td>Frozen</td> <td>Moist</td> <td>Saturated</td>	Ground roughness	Ground condition	Frozen	Moist	Saturated
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments	Height of Ground Vegetation (cm)		
Digital LWC	Y		Snow Scope	Y	234	More frost and all snow	20cm		
Stratigraphy pictures	N		Lyte Probe	N		Weather			
Standard ram	Y		SMP	Y	0/1	Pit			
Powder Ram	Y		Force Ram	Y					
Slush Ram	N		Force Snow Scope	Y		Hardness			
HS Transects	Y		Snow Scope Transects	N					
Pit Pictures	Y		SSA / NIR Box	Y		HS T7 @ STAK			
Other						Misc			

Location:	C	Date:	20241231	Force	Depth	Depth					
Site:	A1	Time:	0850	max	manual	digital	Grnd				
X-Coord	Y-Coord	Time	Data Type	SN	Profile #	Force Gage	N	cm	cm	Y/N	Comments
0	-30	0850	SMP	011	329					Y	
-30		0852			330						
60		0854			331						
90		0855			332						
120	↓	0856			333						
0	150	0900			334						
30		0902			335						
60		0904			336						
90		0905			337						
120	↓	0907			338						
0	120		151	772	1000W	5	64	64	N	2-3N TO MOVE PAM	
30			773			1	57	55			
60			774			5	61	60			
90			775			1	66	66			
120	↓		776			5-	60.5	59	N		
0	90	FID 11	1000	4	73						
30				7	67						
60				11	66						
90				10	61						
120	↓			11	62						
0	60		308	47							
30				48							
60				49							
90				50							
120	↓			51							

Amp NLR

TUNED

ADJUST

TUNED

Ram Penetrometer Field Data Sheet

Location: FEF										Tube weight	T	kg		
Site: AM										Hammer weight	H	kg		
Associated pit/transect/point: AM20241231										Number of falls	n			
Date: 2024/12/31										Fall height	f	cm		
Observer: E.M.C.										Location of point	p	cm		
UTME:	UTMN:	Zone:								$RN = T + H + nfH/p$				
Ram type: POWDER		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			1	5	43					
0.1	0.1	0	0	6					44					
	3	1	7						45					
			8						46					
	2	3	9						47					
	1	5	10			2	5	48						
	2	5	11			2	5	49						
			12						50					
	3	85	13						51					
			14			3	5	52						
	4	5	15			2	10	53						
			16						54					
	3	5	17						55					
	2	5	18						56					
			19						57					
			20						58					
			21			1	10	59						
	3	5	22			1	10	60						
			23						61					
			24						63					
	4	5	25			2	5	64						
	5	5	26			1	5	65						
			27						66					
	2	10	28			2	5	67						
	3	10	29						68					
	2	15	30						69					
	1	15	31			3	5	70						
	2	10	32						71					
			33			4	5	72						
	3	10	34			4	5	73						
			35						74					
	2	10	36						75					
	1	5	37											
			38											
			39											
			40											
			41											
	2	5	42											

Notes:

Ram Penetrometer Field Data Sheet

Location (regional scale)		Site (study plot)		Transects		Date	Time			
CO		AM		A & B		2024/12/31	Start	End		
Observer(s)		Wx Description								
C KANE K EIDER		CALM, OC, HIGH CEILING								
Transect A				Transect B						
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	92	31	97	0	95	31	117			
1	92	32	96	1	99	32	116			
2	94	33	98	2	102	33	114			
3	92	34	100	3	101	34	111			
4	91	35	99	4	108	35	115			
5	94	36	102	5	104	36	113			
6	98	37	100	6	104	37	121			
7	99	38	104	7	106	38	125			
8	98	39	105	8	108	39	123			
9	98	40		9	114	40	122			
10	101	41		10	116	41	127			
11	93	42		11	118	42				
12	95	43		12	110	43				
13	97	44		13	118	44				
14	100	45		14	116	45				
15	97	46		15	115	46				
16	93	47		16	118	47				
17	90	48		17	116	48				
18	91	49		18	112	49				
19	90	50		19	118	50				
20	90	51		20	117	51				
21	89	52		21	109	52				
22	90	53		22	108	53				
23	90	54		23	111	54				
24	89	55		24	120	55				
25	91	56		25	125	56				
26	91	57		26	125	57				
27	92	58		27	122	58				
28	93	59		28	129	59				
29	92	60		29	137	60				
30	90			30	125					