

Location:	C6	Site:	Amt	Date:	2024/12/18				
Time:	1007	Observers:	SMC, S. Vining	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	Show	Graupel	Hail	Rain/Snow	Sample A	14.2	7.5	
Sky	Clear	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	Broken (> 1/2 of sky)	Overcast (complete cover)	Sample B	13.2	9.5	N
Wind	Calm (0 mph)	Tight (1-16 mph)	Moderate (17-25 mph)	Strong (26-38 mph)	Extreme (> 38 mph)	Ground condition	14	10.5	
Tree Canopy	No trees	Sparse (5-20%)	Open (20-70%)	Closed <td>Ground roughness</td> <td>Smooth (< 5 cm)</td> <td>Rough (5-20 cm)</td> <td>Rugged (> 20 cm)</td> <td></td>	Ground roughness	Smooth (< 5 cm)	Rough (5-20 cm)	Rugged (> 20 cm)	
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	Deadfall
Digital LWC	Y		Snow Scope	Y	234	Weather		20	Shrub
Stratigraphy pictures	Y		Lyte Probe	N					
Standard ram	Y		SMP	N					
Powder Ram	Y		Force Ram	Y		Pit			
Slush Ram	N		Force Snow Scope	Y	234				
HS Transects	Y		Snow Scope Transects	N		Hardness			
Pit Pictures	Y		SSA / NIR Box	N		HS Holes C Snow Pandimeter Clear			
Other						Misc			

Location (Regional Scale)	Date (YYYYMMDD)	Observers (first initial & last name):	Temperature profile times		Comments/Notes:
Site (Study Plot)	Time (pit opened)		START	END	
C0	20241213	Tom Aug S. Skinner	1010	1022	
Au	1005				
Pit ID SITEYYYYMMDD	Snow Depth (cm)	LWC Device & SN	UTME	UTMN	Zone (two digit) GPS device & uncertainty: various pit wall height various pit wall height 15-5 basically snowed layer
Au 20241213	71	N/A	0426196	441124125	135 Snowmelt in 2 m

Ram Penetrometer Field Data Sheet

Location:	Co					Tube weight	T	kg	
Site:	Am					Hammer weight	H	kg	
Associated pit/transect/point:	Am 20241208					Number of falls	n		
Date:	202412					Fall height	f	cm	
Observer:	Erica Cuz SKINNEY					Location of point	p	cm	
UTME:	UTMN:	Zone: 133			$RN = T + H + nfH/p$ kg				
Ram type:	Ram mass: kg					$RR = 9.81 (T + H + nfH/p)$ N			
T	H	n	f	p	T	H	n	f	p
0.1	0	0	0	8					49
0.1	0.1	0	0	8		2.5	50		1 0.5 0 0 67
	2	1	9			1 10	51		1 1 70
	3	1	10				52		4 1 71
	1	5	11				53		2 5 72
		12					54		
		14				2 10	55		1102
		15					56		
		16					57		
		17					58		
		18					59		
	2	5	19		3 10	60			
	1	5	21		2 10	61			
		23				62			
		25			3 10	63			
		26			2 15	64			
		27			1 20	65			
		28			2 20	66			
		29				67			
		30			1 20	68			
		31				69			
		32				70			
	2	5	33		2 70	71			
		34			1 20	71.5			
		35							
	3	5	36		1059				
	2	10	37						
		38							
		39							
		40							
		41							
	1	10	42						
	1	10	43						
		44							
	1	5	45						
		46							
		47							
		48							

Notes:

Location: C

Date: 2024.12

Site: BM

Time:

P.D.: 2024.12.10

Observers: Eric Cuse

Force
maxDepth
NDepth
cmDigital
cmGrnd
Y/N

Comments

X-Coord: 15

Y-Coord: 15

Time: 00:00

Data Type: Downward

SN: 1002

Profile #: 234

Force Gage: 70

N: 71.5

cm: 72

cm: 70

Y/N: 4

Comments:

X-Coord: 20

Y-Coord: 20

Time: 00:05

Data Type: Downward

SN: 1003

Profile #: 234

Force Gage: 70

N: 73

cm: 72

cm: 70

Y/N: 4

Comments:

X-Coord: 25

Y-Coord: 25

Time: 00:10

Data Type: Downward

SN: 1004

Profile #: 234

Force Gage: 70

N: 72

cm: 69

cm: 69

Y/N: 4

Comments:

X-Coord: 30

Y-Coord: 30

Time: 00:15

Data Type: Downward

SN: 1005

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 35

Y-Coord: 35

Time: 00:20

Data Type: Downward

SN: 1006

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 40

Y-Coord: 40

Time: 00:25

Data Type: Downward

SN: 1007

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 45

Y-Coord: 45

Time: 00:30

Data Type: Downward

SN: 1008

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 50

Y-Coord: 50

Time: 00:35

Data Type: Downward

SN: 1009

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 55

Y-Coord: 55

Time: 00:40

Data Type: Downward

SN: 10010

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 60

Y-Coord: 60

Time: 00:45

Data Type: Downward

SN: 10011

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 65

Y-Coord: 65

Time: 00:50

Data Type: Downward

SN: 10012

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 70

Y-Coord: 70

Time: 00:55

Data Type: Downward

SN: 10013

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 75

Y-Coord: 75

Time: 01:00

Data Type: Downward

SN: 10014

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 80

Y-Coord: 80

Time: 01:05

Data Type: Downward

SN: 10015

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 85

Y-Coord: 85

Time: 01:10

Data Type: Downward

SN: 10016

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 90

Y-Coord: 90

Time: 01:15

Data Type: Downward

SN: 10017

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 95

Y-Coord: 95

Time: 01:20

Data Type: Downward

SN: 10018

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

X-Coord: 100

Y-Coord: 100

Time: 01:25

Data Type: Downward

SN: 10019

Profile #: 234

Force Gage: 70

N: 72

cm: 70

cm: 70

Y/N: 4

Comments:

Location (regional scale)		Site (study plot)		Transects		Date	Time			
Co		Am		A, B		2024/12	Start	End		
Observer(s)		Wx Description								
<i>Emilia Slivny</i>		SCT LIGHT No L								
1120 Transect A 1137				1120 Transect B 1127						
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	74	31	94	0	76	31	77			
1	78	32	80	1	76	32	79			
2	84	33	85	2	80	33	81			
3	89	34	84	3	77.5	34	89			
4	89	35	86	4	74	35	83			
5	83	36	91	5	71	36	86			
6	85	37	99	6	76	37	83			
7	89	38	97	7	81	38	85			
8	91	39	96	8	78	39	86			
9	93	40	98	9	78	40				
10	95	41	95	10	79	41				
11	96	42		11	72	42				
12	100	43		12	76	43				
13	96	44		13	72	44				
14	94	45		14	76	45				
15	96	46		15	78	46				
16	93	47		16	75.5	47				
17	90	48		17	78	48				
18	90	49		18	74	49				
19	93	50		19	70	50				
20	97	51		20	69	51				
21	86	52		21	73	52				
22	93	53		22	74	53				
23	86	54		23	72	54				
24	97	55		24	73	55				
25	100	56		25	75	56				
26	103	57		26	75	57				
27	95	58		27	76	58				
28	103	59		28	74	59				
29	96	60		29	78	60				
30	95			30	74					