

Location:	CO	Site:	AN	Date:	2024/11/22				
Time:	10:00	Observers:	Skinner, MeCrae	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	30	62	N
	Clear	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	Broken (1/2 of sky)	Overscast (complete cover)	Sample B	30.4	63	
		Light (1-16 mph)			Ground condition	Sample C	29	60	
Wind	Calm (0 mph)	Moderate (17 - 25 mph)	Strong (26 - 38 mph)	Extreme (> 38 mph)	Ground roughness	Smooth (< 5 cm)	Rough (5 - 20 cm)	Rugged (> 20 cm)	
Tree Canopy	No trees	Sparse (5 - 20%)	Open (20 - 70%)	Closed <td>Ground Vegetation</td> <td>Bare</td> <td>Grass</td> <td>Shrub</td> <td>Deadfall</td>	Ground Vegetation	Bare	Grass	Shrub	Deadfall
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	5
Digital LWC	Y		Snow Scope	Y	00234	Hick Thru Clouds		Weather	
Stratigraphy pictures	Y		Lyte Probe	N					
Standard ram	Y		SMP	N		Visible layer of DHC down		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	N		< 36cm of snow		Misc	
Other									



Location: CO

Date: 7/24/1122

Site: BM

Time: 1005

Pit: Am Z0241122

Observers: Instrument Team

Force Depth Depth

X-Coord

Y-Coord

Time

## Ram Penetrometer Field Data Sheet

Ram Penetrometer Field Data Sheet

Location: COLORADO KDD								Tube weight	T	kg					
Site: ALPINE MET								Hammer weight	H	kg					
Associated pit/transect/point:								Number of falls	n						
Date: 2024/11/22				Time: 0955				Fall height	f	cm					
Observer: KINNEY, ELDER, MCCUE								Location of point	p	cm					
UTME:	UTMN:	Zone:				$RN = T + H + nfH/p$				kg					
Ram type: POWDER STD				Ram mass: 0.4 ± 1.0 kg				$RR = 9.81 (T + H + nfH/p)$				N			
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p	
POWDER RAM				STD RAM											
0.1	0	0	0	4.5	1.0	0	0	0	38						
0.1	0.05	0	0	4.5	1.0	0.5	0	0	38						
		1	1	8		3	1		38						
		2	1	10											
		4	1	11.5											
		2	2	12.5											
		2	2	13.5											
		2	2	15											
		3	2	16											
		2	3	17											
		3	3	18											
		4	4	19											
		4	5	20.5											
		5	5	22											
		2	10	23											
		3	10	24.5											
		1	15	25.5											
		2	15	27											
		2	15	28.5											
		2	15	30											
		2	10	31.5											
		1	10	32.5											
		5	5	35											
		5	5	36											
		5	5	36.5											
ground		5	10	37											
		2	20	37.5											
Notes:															

Location (regional scale)		Site (study plot)		Transects	Date	Time	
CO		Am		A, B	2024/11/22	Start	End
Observer(s)		Wx Description					
Enclosure Survey		BKN, LICH, NO, NONE					
Transect A				Transect B			
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)
0	34	31	40	0	36	31	40
1	34	32	29	1	37	32	39
2	38	33	37	2	35	33	41
3	43	34	37	3	36	34	40
4	39	35	46	4	39	35	40
5	37	36	41	5	36	36	42
6	37	37	46	6	38	37	43
7	39	38	45	7	32	38	43
8	38	39	45	8	34	39	42
9	39	40	43	9	38	40	
10	43	41		10	37	41	
11	43	42		11	36	42	
12	42	43		12	37	43	
13	39	44		13	39	44	
14	39	45		14	36	45	
15	42	46		15	39	46	
16	43	47		16	36	47	
17	38	48		17	38	48	
18	35	49		18	36	49	
19	40	50		19	35	50	
20	43	51		20	35	51	
21	35	52		21	37	52	
22	45	53		22	37	53	
23	36	54		23	37	54	
24	45	55		24	37	55	
25	29	56		25	36	56	
26	35	57		26	35	57	
27	33	58		27	40	58	
28	46	59		28	39	59	
29	40	60		29	39	60	
30	40			30	39		