

Location:	CO	Site:	SC MCV	Date:	20250305				
Time:	13:00	Observers:	E. MacLean K. Johnson	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/Show	Sample A	12.8	9.5	74
Sky	Clear	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	Broken (> 1/2 of sky)	Overscast (complete cover)	Sample B	12.2	9.5	78
Wind	Calm (0 mph)	Light (1 - 16 mph)	Moderate (17 - 25 mph)	Strong (26 - 38 mph)	Ground roughness	Sample C	12.4	9.5	77
Tree Canopy	No trees	Sparse (5 - 20%)	Open (20 - 70%)	Closed (> 70%)	Ground Vegetation	Bare	Grass	Shrub	Deadfall
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	
Digital LWC	✓		Snow Scope	✓	3051 151	Weather			
Stratigraphy pictures	✓		Lyte Probe	✓					
Standard ram	✓		SMP	✓					
Powder Ram	✓		Force Ram	✓					
Slush Ram	✓		Force Snow Scope	✓					
HS Transects	✓		Snow Scope Transects	✓					
Pit Pictures	✓		SSA / NIR Box	✓	0101	ITS @ Stake 105 cm			
Other									

Ram Penetrometer Field Data Sheet

Location: CO								Tube weight	T	kg				
Site: SL Met								Hammer weight	H	kg				
Associated pit/transect/point: SLMet 20250305								Number of falls	n					
Date: 2025 03 05				Time: 1412 / 1418				Fall height	f	cm				
Observer: E Malue Skarney								Location of point	p	cm				
UTME:	UTMN:	Zone: 13				$RN = T + H + nfH/p$ kg								
Ram type: STD Pow				Ram mass: kg				$RR = 9.81 (T + H + nfH/p)$ N						
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
6.0	0	0	0	23		2	3	87			2	20	28	
1	0.5	0	0	23		1	5	88					29	
	2	1	24			2	5	89					30	
	2	3	25			2	10	90			3	20	31	
	1	5	26			1	10	91			3	25	32	
	2	5	27					92			2	25	33	
	1	5	28			2	10	93			3	25	34	
	2	5	29			1	10	94			4	25	35	
	1	10	30					95					36	
			31					96					37	
			32					97					38	
	2	10	33			2	10	98					39	
	1	10	34					99			3	25	40	
			35					100			9	25	41	
	3	10	36					101			4	25	42	
			37			3	10	103					43	
			38								3	25	44	
	1	20	39	0.1	0	0	0	8			2	25	45	
	2	20	40	0.1	0.1	0	0	8			3	25	46	
	1	20	41			1	1	9					47	
			42			4	1	10			4	25	48	
			43			1	5	11			3	25	49	
			44					12			2	25	50	
	1	5	67										51	
	2	5	70			3	5	14			1	25	53	
			71			3	15	15			1	20	54	
			72			3	20	16					55	
			73			7	20	17					57	
			74			3	10	18			1	10	58	
	1	5	77			2	10	19					59	
	2	3	78			1	10	20					60	
			79					21			2	10	61	
			80			2	10	22			2	15	62	
	1	5	81			2	15	23					63	
			83			2	10	24					64	
	1	3	84			1	20	25					65	
			85			2	10	26					66	
			86					27					67	

Notes:

Location:	C0	Date:	20250305	Force	Depth	Depth	
Site:	SUMT	Time:	1412	max	manual	digital	Grnd
Pit:	Sumt 10230305	Observers:	E. Mccue S. Skinner	SN	Profile #	Force Gage	Y/N
X-Coord	Y-Coord	Time	Data Type	SN	Profile #	Force Gage	
0	30	1412	5' to sea		N	103	Y
30	30	1418	Water level			75	N
0	60	1424	Seawall	308	151	97	Y
30	60	1427				86	Towards
60	60	1427				97	
90	60	1428				99	
120	60	1428				97	
0	90	1430	Flood basin			158	
30	90	1431				1000	
60	90	1431				69	
90	90	1431				89	
120	90	1431				78	
0	120	1434	Flood basin			59	
30	120	1434				88	
60	120	1434				57	
90	120	1434				87	
120	120	1434				68	
0	150	1434	Flood basin	151	1042	90	53
30	120	1434				23.45	75
60	120	1434				22.1	75
90	120	1434				71	71
120	120	1434				72	
0	150	1435				1049	
30	120	1435				13.4	
60	120	1435				74	
90	120	1435				16.0	
120	120	1435				58	
0	150	1435				17.05	
30	120	1435				80	

Location (regional scale)		Site (study plot)		Transects		Date	Time			
CO		SL Met		A/B		20250305	Start	End		
Observer(s)		Wx Description								
EMCUE Skinner		S-1 light BKN No None								
1238 Transect A 1243			1244 Transect B 1245			1246				
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	85	31	62	0	89	31	110			
1	87	32	65	1	64	32	68			
2	102	33		2	97	33	79			
3	106	34		3	99	34				
4	106	35		4	102	35				
5	104	36		5	104	36				
6	91	37		6	106	37				
7	89	38		7	110	38				
8	93	39		8	108	39				
9	89	40		9	102	40				
10	90	41		10	107	41				
11	83	42		11	109	42				
12	80	43		12	109	43				
13	81	44		13	100	44				
14	84	45		14	100	45				
15	84	46		15	99	46				
16	78	47		16	97	47				
17	74	48		17	105	48				
18	74	49		18	92	49				
19	76	50		19	110	50				
20	93	51		20	112	51				
21	88	52		21	101	52				
22	96	53		22	113	53				
23	90	54		23	112	54				
24	87	55		24	120	55				
25	85	56		25	120	56				
26	93	57		26	122	57				
27	75	58		27	131	58				
28	55	59		28	118	59				
29	43	60		29	120	60				
30	53	.		30	119					

105 (20) Sticks