

Location:	<i>Lo</i>	Site:	<i>An</i>	Date:	<i>2025/04/15</i>				
Time:	<i>1310</i>	Observers:	<i>Eric Lee Alderfer</i>	Interval board SWE measurement					
Precip Rate	<i>None</i>	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	<i>1.4</i>	<i>11</i>	<i>17</i>
Sky	<i>Clear</i>	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	Broken (> 1/2 of sky)	Overscast (complete cover)	Sample B	<i>1.4</i>	<i>11</i>	<i>17</i>
Wind	<i>Calm (0 mph)</i>	Light (1 - 16 mph)	Moderate (17 - 25 mph)	Strong (26 - 38 mph)	Extreme (> 38 mph)	Ground condition	<i>Frozen</i>	Moist	Saturated
Tree Canopy	<i>No trees</i>	Sparse (5 - 20%)	Open (20 - 70%)	Closed (> 70%)	Ground Vegetation	<i>Smooth < 5 cm</i>	<i>Rough (5 - 20 cm)</i>	<i>Rugged (> 20 cm)</i>	
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	
Digital LWC	<i>N</i>		Snow Scope	<i>Y</i>	<i>234</i>	Weather			
Stratigraphy pictures	<i>Y</i>		Lyte Probe	<i>N</i>					
Standard ram	<i>Y</i>		SMP	<i>N</i>		<i>CT 20 SP @ 28 cm</i>			
Powder Ram	<i>Y</i>		Force Ram	<i>Y</i>		<i>CT 29 SP @ 40 cm</i>			
Slush Ram	<i>N</i>		Force Snow Scope	<i>Y</i>		<i>Pit ECTP 29 @ 40 cm</i>			
HS Transects	<i>Y</i>		Snow Scope Transects	<i>N</i>					
Pit Pictures	<i>Y</i>		SSA / NIR Box	<i>Y</i>	<i>0101</i>	<i>Radio meter cleared @ 1244</i>			
Other						<i>HS stake @ 97 cm</i>			
						<i>Misc</i>			

Location:	C6	Date:	20250115	Force	Depth	Depth		
Site:	Anv	Time:	1420	max	manual	digital	Grnd	
Pit:	Anv 20250115	Observers:	Eric/Cate	Profile #	Force Gage	N	Y/N	Comments
X-Coord	Y-Coord	Time	Data Type	SN	Profile #	Force Gage	N	
0	30	1420	Slope	001	102	102		
30	0	1424	Slope	002	95	95		
0	60	1436	Slope	034	1187	913		
30	1437				101	103		103
60	1437				94	93		93
90	1438				92	93		93
120	1439				98	97		97
0	90	1447	Force Gage	50W	40.55	6.7		
30	1448				41	75		
60	1449				40.4	78		
90	1449				38.2	88		
120	1449				36.7	89		
0	1451	Face Slope	234	1192	6.7	92	8	Toward
30	1452			1193	10.35	97	8	Toward
60	1453			1194	8.55	91	9.0	Upward
90	1453			1195	7.6	86	7.6	Upward
120	1454			1196	9.3	89	8.4	Upward

Ram Penetrometer Field Data Sheet

Location:	Co								Tube weight	T	kg		
Site:	Am								Hammer weight	H	kg		
Associated pit/transect/point:	Am 20250115								Number of falls	n			
Date:	20250115								Fall height	f	cm		
Observer:	Guadalupe Lawrence								Location of point	p	cm		
UTME:	UTMN:				Zone:				$RN = T + H + nfH/p$		kg		
Ram type:	Ram mass: kg								$RR = 9.81 (T + H + nfH/p)$	N			
T	H	n	f	p	T	H	n	f	T	H	n	f	p
1	0	0	0	31					14		1	15	51
1	0.5	0	0	31					15		2	10	52
	10	1	32						16				53
	2	5	33						17		1	15	54
		34							18				55
	1	5	35						19				56
	2	3	36			3	5	20		1	10	57	
		37				2	10	21		1	5	58	
		38							22		2	5	59
		39							23		3	5	60
	5	3	40			4	10	24		2	10	61	
	2	5	41			3	10	25					62
	1	5	42						26				63
		43				5	10	27		1	10	64	
		44				2	20	28		2	10	65	
		45				3	20	29		3	10	66	
		46				3	25	30		2	10	67	
		93				2	25	31		3	10	68	
	3	3	94			3	25	32		1	10	69	
		95				2	25	33		2	10	70	
	6	5	96			3	25	34		1	10	71	
	2	10	97						35				72
		98				1	25	36					73
		99				2	25	37					74
		100							38				75
		101				3	25	39					
		102				2	10	39					
						3	25	40					
0.1	0	0	0	5					41				
0.1	0.1	0	0	5					42				
	1	1	6			1	20		43				
	2	1	7			2	20		44				
	1	3	8						45				
	2	3	9						46				
	2	5	10						47				
	1	5	11			2	10	48					
	2	5	12						49				
		13				3	10	50					

Notes:

Location (regional scale)		Site (study plot)		Transects		Date	Time			
Co		Am		A,B		20250115	Start	End		
Observer(s)		Wx Description								
Eric Coe Alorsace		CLR NO LIGHT NONE								
1244 Transect A		1251		1225 Transect B		1241				
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	103	31	110	0	100	31	97			
1	104	32	109	1	100	32	98			
2	109	33	112	2	101	33	93			
3	115	34	114	3	101	34	104			
4	113	35	104	4	102	35	105			
5	110	36	125	5	108	36	105			
6	110	37	119	6	104	37	104			
7	114	38	126	7	104	38	109			
8	116	39	121	8	106	39	109			
9	115	40		9	103	40	114			
10	121	41		10	104	41	111			
11	119	42		11	104	42				
12	127	43		12	97	43				
13	123	44		13	105	44				
14	121	45		14	104	45				
15	121	46		15	106	46				
16	125	47		16	104	47				
17	116	48		17	102	48				
18	121	49		18	101	49				
19	121	50		19	102	50				
20	116	51		20	95	51				
21	108	52		21	96	52				
22	106	53		22	97	53				
23	121	54		23	99	54				
24	116	55		24	96	55				
25	116	56		25	96	56				
26	121	57		26	99	57				
27	129	58		27	98	58				
28	125	59		28	99	59				
29	126	60		29	101	60				
30	126			30	99					