

Location:	10	Site:	LMR	Date:	202503/2				
Time:	1412	Observers:	Zan, Cuz	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			
Sky	Clear	Few (< 1/4 of sky)	Scattered (1/4-1/2 of sky)	Broken (> 1/2 of sky)	Overcast (complete cover)	Sample B			
Wind	Calm (0 mph)	Light (1 - 16 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 (> 70%)	Ground Vegetation	Bare	Grass	Shrub	Deadfall
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	
Digital LWC	Y		Snow Scope	Y	308	Weather			
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	Hardness			
HS Transects	Y		Snow Scope Transects	N					
Pit Pictures	Y		SSA / NIR Box	I	101				
Other						HS 1270 STAKE			

Ram Penetrometer Field Data Sheet

Location: <i>C6</i>										Tube weight	T	kg		
Site: <i>LFM19</i>										Hammer weight	H	kg		
Associated pit/transect/point: <i>LFM19/2025 0312</i>										Number of falls	n			
Date: <i>2025 03 12</i>					Time: <i>1528</i>					Fall height	f	cm		
Observer: <i>Cuncius</i>										Location of point	p	cm		
UTME:	UTMN:					Zone:		$RN = T + H + nfH/p$				kg		
Ram type:										$RR = 9.81 (T + H + nfH/p)$				
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
0.1	0	0	0	4			1	25	43					
0.1	0.1	0	0	4			1	20	44					
		1	5	5						95				
		5	6	6						46				
		1	20	7						47				
			8							48				
			9							49				
			12							50				
		1	16	13						51				
			14							52				
			15				2	20	53					
			16				1	20	54					
	2	10	17							56				
	2	15	18							57				
			19				2	20	58					
	2	20	26				1	25	59					
			21							60				
			22							61				
	3	20	23							62				
	2	25	24							63				
	3	25	25				2	25	64					
			26				1	25	65					
			27							66				
			28							67				
			29							68				
			30							69				
	6	26	31							70				
			32							71				
			33							72				
	5	25	34							73				
	4	25	35							74				
			36				1	26	75					
			37											
	2	25	38											
			39											
			40											
			41											
	1	25	42											

Notes:

Ram Penetrometer Field Data Sheet

Location:								Tube weight		T	kg			
Site:								Hammer weight		H	kg			
Associated pit/transect/point:								Number of falls		n				
Date:				Time: 1516				Fall height		f	cm			
Observer:								Location of point		p	cm			
UTME:		UTMN:		Zone:		$RN = T + H + nfH/p$				kg				
Ram type:				Ram mass: kg				$RR = 9.81 (T + H + nfH/p)$						
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
1	0	0	0	22					63.5					
1	6.5	0	0	22					64					
		1	1	23				1	10	66				
		3	1	24				1	10	84				
		2	2	25				1	5	96				
		3	3	26					97					
		2	5	27					98					
				28										
				29										
				30										
				31										
				32										
				33										
				34										
				35										
				36										
				37										
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				60										
				61										
				62										

Notes:

Location:	60	Date:	20200312	Force	Depth	Depth	
Site:	LFMGT	Time:		max	manual	digital	Grnd
Pit:	LFMGT20200312	Observers:	Emre Cagri	N	cm	cm	Y/N
X-Coord	Y-Coord	Time	Data Type	SN	Profile #	Force Gage	Comments
0	30	1516				98	
15	45	1528	Score	308	187	197	98 Y N
15				140		105	98
30				191		103	103
45				193		107	1404
60	↓			194		101	100 ↓ N
60	60	1512	Face Rm		1000	77	90
45	70					112	95
45	75					88	100
60	75					100	100
60	80					83	100
75	75		Face Score	234	1273	24	73
30	75					25	68
45	75					24	72
60	75					45	70
75	75					63	70

Location (regional scale)		Site (study plot)		Transects		Date	Time			
				A, B		20250312	Start	End		
Observer(s)		Wx Description								
Gardner		Few Light No None								
1339 Transect A 1345				1350 Transect B 1461						
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	113	31		0	113	31	98			
1	118	32		1	112	32	102			
2	170	33		2	118	33	95			
3	132	34		3	116	34	94			
4	178	35		4	116	35	94			
5	124	36		5	116	36	94			
6	176	37		6	117	37	91			
7	130	38		7	117	38	95			
8	125	39		8	118	39	89			
9	128	40		9	112	40	90			
10	130	41		10	110	41	97			
11	128	42		11	105	42	96			
12	129	43		12	100	43	96			
13	130	44		13	110	44	100			
14	126	45		14	103	45	89			
15	127	46		15	108	46	92			
16	126	47		16	110	47	94			
17	122	48		17	109	48	92			
18	121	49		18	114	49	94			
19	121	50		19	120	50	93			
20	120	51		20	117	51	71			
21	117	52		21	104	52	99			
22	113	53		22	97	53	70			
23	116	54		23	91	54	78			
24		55		24	89	55				
25		56		25	91	56				
26		57		26	95	57				
27		58		27	91	58				
28		59		28	91	59				
29		60		29	88	60				
30				30	90					