

Location:	Fraser CO		Site:	TRU MET		Date:	2024/11/21		
Time:	0856		Observers:	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 loss? (Y/N)
Precip Type	Rain	Snow	Graupel	Hail	Rain/Snow	Sample A	4.2	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	7.0	5	Y
Wind	Calm (0 mph)	Light (1-16 mph)	Moderate (17-25 mph)	Strong (26-38 mph)	Extreme (> 38 mph)	Ground condition	Smooth (< 5 cm)	Rough (5-20 cm)	Rugged (> 20 cm)
Tree Canopy	No trees	Sparse (5-20%)	Open (20-70%)	Closed (> 70%)	Ground Vegetation	Frozen	Bare	Grass	Deadfall
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)	Summary
Digital LWC	N		Snow Scope	N		Weather		5 cm	
Stratigraphy pictures	Y		Lyte Probe	N					
Standard ram	Y		SMP	N					
Powder Ram	Y		Force Ram	N		Pit			
Slush Ram	Y		Force Snow Scope	N					
HS Transects	Y		Snow Scope Transects	N		Hardness			
Pit Pictures	Y		SSA / NIR Box	N					
Other						HS @ Shallow cm			

Location (Regional Scale)	Date (YYYYMMDD)	Observers (first initial & last name):		Comments/Notes:							
Site (Study Plot)	Time (pit opened)			Temperature profile times							
Pit ID SITEYYYYMMDD	Snow Depth (cm)	LWC	UTME	UTMN	Zone (two digit) GPS device & uncertainty:						
SPL20241121	22	N10	0.9343949	44.17401	135 +/- 2m						
Density		LWC	Temperature	Stratigraphy							
Height above ground	Density profile A kg/m3	Density profile B kg/m3	Extra Density	Permittivity profile A (unitless)	Permittivity profile B (unitless)	Height above ground	Grain Size (mm)	Grain Type	Hand Hardness	Manual Wetness	Stratigraphy Comments
top - bottom (cm)				(cm)	(cm)	0C	top - bottom (cm)	Max	Min	Avg	
22 - 20	1.11					22 - 11	22 - 20	1	0.3	0.5	FCsf
20 - 19	1.11					20 - 13	20 - 19	2	0.5	1	FCso
19 - 9	16.5	mm				10 - 9	10 - 9	0	-4	70	F
9 - 0	14	mm				0 - 4	0 - 4	19	2	0.5	D
18 - 0	36.5					19 - 0	2	0.5	1	FCso	F
16 - 0	36.5					19 - 0	1.5	0.5	1	FCso	D
20.4 - 0	38.5					9 - 0	1.5	0.5	1	FCso	4F D
											Same corners, slight stratification



Location (regional scale)		Site (study plot)		Transects		Date	Time			
CD		JPLMET		SNA1		2024/11/21	Start 1017	End 1039		
Observer(s)		Wx Description								
Skinner Enclosure		Few, No, None, Calm 3m Res								
Transect A				Transect B						
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	30	31	27.5	0	23	31				
1	30	32	22	1	27.5	32				
2	29	33	25	2	27.5	33				
3	27	34	15	3	28.5	34				
4	32	35	25	4	29.5	35				
5	34	36	6.5	5	18.5	36				
6	28	37	25	6	15.5	37				
7	21	38	13.5	7	22	38				
8	32.5	39	30.5	8	25	39				
9	25	40	24	9	30	40				
10	31	41	29.5	10	23	41				
11	26	42	26	11	27	42				
12	9	43	26	12	24.5	43				
13	26.5	44	25	13	12.5	44				
14	16.5	45	26.5	14	10	45				
15	19.5	46	24	15	19.5	46				
16	30	47	29.5	16	24.5	47				
17	24.5	48	25.5	17	18.5	48				
18	22	49	30	18	17	49				
19	29.5	50	31	19	15	50				
20	12.5	51	31.5	20		51				
21	29	52	23	21		52				
22	22	53	16	22		53				
23	0	54	24	23		54				
24	24.5	55	27	24		55				
25	26	56	24.5	25		56				
26	26	57	27	26		57				
27	25	58	19.5	27		58				
28	29	59	0	28		59				
29	19	60	3	29		60				
30	23			30						

END 1039

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

Location (regional scale)		Site (study plot)		Transects		Date	Time			
CO		JPLMET		RADAR 1, 2		2024/11/21	Start 0953	End 1002		
Observer(s)		Wx Description								
SKINNY Enclosure		SCT, NO, NONE, Calm								
Point	HS (cm)	Point	HS (cm)	Point	HS (cm)	Point	HS (cm)			
0	17	31		0	14	31				
1	21	32		1	19	32				
2	21	33		2	17	33				
3	22	34		3	18	34				
4	20	35		4	19	35				
5	18	36		5	19	36				
6	18	37		6	20	37				
7	17	38		7	21	38				
8	20	39		8	20	39				
9	19	40		9	21	40				
10	19	41		10	21	41				
11	19	42		11	17.5	42				
12	24	43		12	25	43				
13	21	44		13	22	44				
14	18	45		14	22	45				
15	18	46		15	19.5	46				
16		47		16	23	47				
17		48		17	19	48				
18		49		18	17	49				
19		50		19		50				
20		51		20		51				
21		52		21		52				
22		53		22		53				
23		54		23		54				
24		55		24		55				
25		56		25		56				
26		57		26		57				
27		58		27		58				
28		59		28		59				
29		60		29		60				
30				30						