

Location:		C0 Fanger		Site:		H2		Date:		20241121	
Time:		1055		Observers:		S. Kinnear C. M. Lue		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)	Sample A	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 B					
Sky	Clear	Few ($< 1/4$ of sky)	Scattered ($1/4 - 1/2$ of sky)	Broken ($> 1/2$ of sky)	Overcast (complete cover)	Sample C					
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					
Digital LWC	N		Snow Scope	N		Weather					
Stratigraphy pictures	Y		Lyte Probe	N							
Standard ram	N		SMP	N							
Powder Ram	Y		Force Ram	N		Pit					
Slush Ram	N		Force Snow Scope	N							
HS Transects	N		Snow Scope Transects	N							
Pit Pictures	Y		SSA / NIR Box	N		Hardness					
Other											
Misc											

Location (Regional Scale) Date (YYYYMMDD) Observers (first initial & last name): Comments/Notes:

CO Fraser

20241121

S. Kinney
E. McCue

125 @ Stake 21 cm

Site (Study Plot)

Time (pit opened)

Temperature profile times
START END
1056 1102

HQ

1052

End 1130

Pit ID
SITEYYYYMMDD

Snow Depth (cm)

LWC Device & SN

UTME

UTMN

Zone (two digit)

GPS device & uncertainty:

4220241121

22.5

416

0424432

4417566

135

4-2m

Density

LWC

Temperature

Stratigraphy

Height above ground

Density profile A

Density profile B

Extra Density

Permittivity profile A (unitless)

Permittivity profile B (unitless)

Height above ground (cm)

7

OC

top (cm)

bottom (cm)

Max

Min

Avg

Grain Type

Hand Hardness

Manual Wetness

Stratigraphy Comments

top - bottom (cm)

kg/m3

kg/m3

kg/m3

(unitless)

(unitless)

(cm)

22.5

-4.5

20

-5.5

22.5 - 20

1

0.3

0.5

FCSE

F

D

20 - 18

5.5mm

20

-5.5

20

-6

20 - 18

2

0.5

1

MEV

FE

D

minor freezing/heats

7 - 0

13.5mm

0

-2

20

2

0.5

1

MEV

FE

D

21 - 0

38.5mm

18 - 7

2

0.5

1

FC

FE

D

21 - 0

39mm

7 - 0

1.5

0.5

1

FCSD

4F

D

Some Dike Some FCSD

21.6 - 0

39mm

-

-

-

-

-

-

-

-

Ram Penetrometer Field Data Sheet

Ram Penetrometer Field Data Sheet										Tube weight	T	kg		
Location: CO Fraser										Hammer weight	H	kg		
Site: HQ										Number of falls	n			
Associated pit/transect/point: HQ 20241121										Fall height	f	cm		
Date: 20241121					Time:					Location of point	p	cm		
Observer: S. Kinney E. McVee					UTME: 0424432 UTMN: 4M17566 Zone: 135					RN = T + H + nfH/p kg				
Ram type: Pow					Ram mass: 1 kg					RR = 9.81 (T + H + nfH/p) N				
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
0.1	0	0	0	4.5	0.1	0	0	0	4					
0.1	0.05	0	0	4.5	0.1	0.05	0	0	4					
		5	1	5.5			5	1	4.5					
		5	1	6			5	2	5.5					
		2	2	8.5			3	3	6.5					
		2	1	9.5			1	4	7.5					
		5	1	10.5			1	3	10.5					
		5	2	12			2	2	12					
		5	2	13			2	2	13					
		5	2	14			5	2	14.5					
		5	3	15			3	3	15.5					
		5	3	16			5	3	17					
		5	5	17			5	3	18					
		5	5	18			5	4	19					
		5	10	20			4	5	20					
		5	5	21			3	5	21					
		5	5	21.5			4	5	21.5					
							1	10	22					
							2	10	22.5					
							3	10	23					

Notes: