

Location:		60		Site:		Euclys		Date:		20241216	
Time:		1438		Observers:		Interval board SWE measurement					
Precip Rate	<u>No</u>	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/m <sup>3</sup> )	Evidence of melt resulting in SWE loss? (Y/N)	
Precip Type	Rain	Snow	Graupel	Hail	Rain/Snow	Sample B				N	
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	<u>Calm</u> (0 mph)	Light (1 - 16 mph)	Moderate (17 - 25 mph)	Strong (26 - 38 mph)	Extreme ( $> 38$ mph)	Ground roughness	<u>Smooth</u> ( $< 3$ cm)	Rough (5 - 20 cm)	Saturated		
Tree Canopy	<u>No trees</u>	Sparse (5 - 20%)	Open (20 - 70%)	Closed ( $> 70\%$ )		Ground Vegetation	<u>Bare</u>	Grass	Shrub	Deadfall	
Instrument	Y/N	SN	Instrument	Y/N	SN	Additional Comments		Height of Ground Vegetation (cm)			
Digital LWC	N		Snow Scope	Y	234	Weather					
Stratigraphy pictures	Y		Lyte Probe	N		Pit					
Standard ram	Y		SMP	N		Hardness					
Powder Ram	Y		Force Ram	Y		Misc					
Slush Ram	N		Force Snow Scope	Y	234	Hs 40cm @ Snow					
HS Transects	Y		Snow Scope Transects	N							
Pit Pictures	Y		SSA / NIR Box								
Other											

Location (Regional Scale)			Date (YYYYMMDD)		Observers (first initial & last name):			Comments/Notes:																																							
Site (Study Plot)			Time (pit opened)		UTME			Temperature profile times																																							
Pit ID			Snow Depth (cm)					START			END																																				
Pit ID			Snow Depth (cm)		UTMN			Zone (two digit)			GPS device & uncertainty:																																				
Pit ID			Snow Depth (cm)		UTMN			Zone (two digit)			GPS device & uncertainty:																																				
FEFID 20202412			46		0424434			4418569			13			GPS device & uncertainty: Garmin 660																																	
Density			LWC			Temperature			Stratigraphy																																						
Height above ground			Density profile A			Density profile B			Extra Density			Permittivity profile A			Permittivity profile B			Height above ground			T																										
top - bottom (cm)			kg/m3			kg/m3			kg/m3			(unitless)			(unitless)			(cm)			oC																										
43 - 0			185															46			-7																										
44 - 0			183															40			-7																										
45 - 0			183															30			-7																										
46 - 0			183															70			-6																										
47 - 0			183															10			-4																										
48 - 0			183															0			-2																										
49 - 0			183															39			20			2			0.5			1			0.3			DFR			F			D			Some FEF Strain		
50 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
51 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
52 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
53 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
54 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
55 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
56 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
57 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
58 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
59 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
60 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
61 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
62 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
63 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
64 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
65 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
66 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
67 - 0			183																		46.5			39			0.5			0.1			0.3			DFR			F			D			Some FEF Strain		
68 -																																															

# Ram Penetrometer Field Data Sheet

Location: <u>Co</u>										Tube weight		T	kg	
Site: <u>FFHQ</u>										Hammer weight		H	kg	
Associated pit/transect/point: <u>FFHQ 202412</u>										Number of falls		n		
Date: <u>20241216</u>					Time: <u>1518</u>					Fall height		f	cm	
Observer: <u>Em. Cue</u>										Location of point		p	cm	
UTME:			UTMN:			Zone:				$RN = T + H + nfH/p$				kg
Ram type: <u>1518/1524</u>					Ram mass:					$RR = 9.81 (T + H + nfH/p)$				N
T	H	n	f	p	T	H	n	f	p	T	H	n	f	p
0.1	0	0	0	5						0	0	0	0	46
0.1	0.1	0	0	5						0.1	0	0	0	46
		1	1	6										
		1	1	18										
		1	1	19										
		2	1	20										
				21										
		1	5	22										
				23										
				24										
				25										
		2	5	26										
		1	10	27										
				28.5										
		2	5	29.5										
				31.5										
		1	10	32.5										
				33.5										
		1	10	35										
		1	5	36										
				37										
				38										
				39										
				40										
				41										
				42										
		5	5	43										
		2	10	44										
				45										
		4	10	46										
Notes:														

Location: C0			Date: 202412								
Site: FGFH0			Time:								
Pit: FGFH0 202412			Observers: Car, Cur								
X-Coord	Y-Coord	Time	Data Type	SN	Profile #	Force Gage	Force	Depth	Depth	Grnd	Comments
							max	manual	digital	Y/N	
							N	cm	cm		
15	15	1518	Row Dam					46		✓	
30	11	1524	Sto Dam					46		↓	
15	30	1528	Scarp	234	968			47	44		
30		1526			969			47	44		
45		1524			970			47	44		
60		1522			971			48	44		
75		1528			972			47	44		
15	45	1530	Face Scarp			1000	5	37			
30		1530					4	33			
45		1530					6	44			
60		1531					5	36			
75		1531					6	37			
15	60	1535	Face Scarp	234	973	1000	3	34	30		
30		1533			974		3	32	28		
45		1533			975		4	31	29		
60		1534			976		3	26	32		
75		1534			977		1	41	37		