

SNOW COVER PROFILE	Date <u>2/8/09</u> Time <u>12:03</u>	Observer <u>Sara, Andrea, Taylor</u>
Location Code (see below): <u>Trees</u>		Air Temperature <u>+1°C</u>
<p>Valid 3-character location codes are Saddle grid stakes (001 through 080, 10A through 80A), south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., G5N), Green Lake 3, 4, and 5 valley floor (e.g., G5V), Green Lake 3, 4, and 5 south facing slope (e.g., G5S), Green Lake 5 Outlet south-facing slope (SOS), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (AB)-index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree B- (A11) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm. Liquid water values range from 0 to 8 %.</p> <p>Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm) Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).</p>		Cloudiness/ Insolation <u>70% cloud cover</u>
		Precipitation <u>none</u>
		Wind <u>none</u>
		Surface Hardness <u>15cm</u> Instrument <u>Boot</u>

Computer data entry by \_\_\_\_\_ Date \_\_\_\_\_ Rekey \_\_\_\_\_ MARKW .FLB FORMS SNOWPIT ; SNOWGRAN

Temp (C)	Net Weight (g)	<--- Height above ground (cm)	---> Height above ground (cm)	liquid water (%)	Grain Shape	Grain Size (mm)	Hardness	Cutter Tare (g) <u>752</u>	Comments
-2	244	75	75		ET	.2	5		<p>Error = bucket not quite full near shallow end (25 cm)</p> <p>→ still ET but looks slightly past faceting past TG</p>
-2	241	70	50		ET	.5	5		
-3	315	60	44		ET	.5	3		
-4	189	50	33		ET	.5	2		
-4	294	40	0		ET	1	5		
-3	374	30							
-2	275	20							
-2	220	10							
-1	336	0							
-1		0							

ground

What is the structure of the snowpack? - Density, Temp., Hardness, Grain shape and size

109 - Open, Shallow Peck Site

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<b>SNOW COVER PROFILE</b>	Date 2-8-09 Time	Observer Noel, Drew, and Jason	
Location Code (see below):		Air Temperature 5°C	
<p>Valid 3-character location codes are Saddle grid stakes (001 through 080, 10A through 80A), south of Green Lake 4 inlet (084), north of Green Lake 4 inlet (085), Green Lake 4 outlet (086), Green Lake 5 (087), 50 m south of creek on Navajo bench (088), Arikaree Glacier (ARK). Green Lake 3, 4, and 5 north facing slope (e.g., G5N), Green Lake 3, 4, and 5 valley floor (e.g., G5V), Green Lake 3, 4, and 5 south facing slope (e.g., G5S). Green Lake 5 Outlet south-facing slope (5OS), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (ABI)- index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1- (A11) index, (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm. Liquid water values range from 0 to 8 %. Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm) Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).</p>	Cloudiness/ Insolation Overcast / Partly sunny	Precipitation N/A	
	Wind Calm		
	Surface Hardness crusty top	Instrument	

Computer data entry by \_\_\_\_\_ Date \_\_\_\_\_ Rekey \_\_\_\_\_ MARKW.FLB FORMS SNOWPIT; SNOWGRAN

Temp (C)	Net Weight (g)	<--- Height above ground (cm)	---> Height above ground (cm)	liquid water (%)	Grain Shape	Grain Size (mm)	Hardness	Comments
0°C		60	60					EQ = Equitemperature "Roundly"  Soft ← → Hard Fist - 4f - 1f - Pencil - knife
-2.5°C	257g	50	57		EQ	1.5mm	4f	
-3°C	300g	40	42		EQ	1mm	Fist	
-2°C	319g	30	40		EQ	1.5mm	Pencil	
-2°C	253g	20	34		EQ	1mm	4f	
-1°C	281g	10	26		EQ	1mm	4f	
0°C	290g	0	0		EQ	2mm	Fist	

depth hoar, did not stick together

983  
-748  
235

109 - Open Deep Pack Site

1135  
X135  
788  
387

1135-748

WLB

Blocky

1st 25 cm

2nd 45 cm

3rd 35 cm

<b>SNOW COVER PROFILE</b>	Date Time	Observer <i>Ryan, Ken, Brian</i>	
Location Code (see below):	Air Temperature		
<p>Valid 3-character location codes are Saddle grid stakes (001 through 060, 10A through 80A), south of Green Lake 4 inlet (064), north of Green Lake 4 inlet (065), Green Lake 4 outlet (066), Green Lake 5 (067), 50 m south of creek on Navajo bench (068), Arikaree Glacier (ARK), Green Lake 3, 4, and 5 north facing slope (e.g., G5N), Green Lake 3, 4, and 5 valley floor (e.g., G5V), Green Lake 3, 4, and 5 south facing slope (e.g., G5S), Green Lake 5 Outlet south-facing slope (506), east edge of soddie lysimeter field (SAE), west edge of soddie lysimeter field (SAW), south-west of soddie lysimeter field (SSW), 300m east of T-van towards the soddie (T30), soddie west new (SWN) Ameriflux Tree B- (ABI)- index, (AB1)-10cm from tree (AB2)-50cm, (AB3)-100cm, (AB4)-150cm, (AB5)-200cm, (AB6)-250cm, Ameriflux Tree 1- (A11)-10cm from tree (A12)-50cm, (A13)-100cm, (A14)-150cm, (A15)-200cm, (A16)-250cm. Liquid water values range from 0 to 8 %. Valid 2-character grain shape codes are wet snow metamorphism (WM), equitemperature (ET), depth hoar (TG), ice (IC), or crust (CR). Grain sizes range from 0.1 to 9.9 mm. (Default 9.9 mm) Hardness codes: 1- (knife); 2- (pencil); 3- (1 finger); 4- (4 finger); 5- (fist).</p>	Cloudiness/Insolation <i>slightly cloudy</i>	Precipitation <i>None</i>	
	Wind <i>Calm</i>	Surface Hardness	Instrument

Computer data entry by \_\_\_\_\_ Date \_\_\_\_\_ Rekey \_\_\_\_\_ MARKW.FLB FORMS SNOWPIT; SNOWGRAN

Temp (C)	Net Weight (g)	← Height above ground (cm)	→ Height above ground (cm)	liquid water (%)	Grain Shape	Grain Size (mm)	Hardness	Comments
0°	263	108	95		rounded	2-4	3	Ice layer
-3.5°	307	100	83		rounded	2	3	
-5°	280	90	73		semi	2	2	
-4°	300	80	60		round	1-2	2	
-3°	358	70	56		round (strat)	<1	2	
-2°	367	60	52		Boxy	2-4	1	
-2°	387	50	42		semi	1-3	2	
-1.5°	389	40	29		semi	4	2	
-1°	394	30	19		strat.	2-5	2	
-0.5°	418	26	6		strat	2	3	
-1.5°	313				semi strat	2-5	3	

