

SNOW COVER PROFILE	Date <u>2/13/05</u> Time <u>12:45</u>	Observer <u>Megan McCarthy</u>	
Location Code (see below):	Air Temperature <u>35° F</u>	Cloudiness/ Insolation <u>none/sunny</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 (50S), 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 E- (AB1)- 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>	Precipitation <u>None</u>	Wind	
	Surface <u>soft but</u> Instrument	Hardness <u>not fresh snow</u>	

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

2nd T _c	Temp (C)	Net Weight (g)	← Height above ground (cm)	→ Height above ground (cm)	liquid water (%)	Grain Shape	Grain Size (mm)	Hard- ness	Pit # 1 Comments <u>Main Pit</u>
4.0	2.0°	220	82	84		F2	.25mm ²	5	<p>2 thermometers read 3°C, one read 4°C - Calibration of 2.5°C on the 2 similar, stuck vertically into the snow surface. - 2nd set of temperatures, were taken w/ one thermometer, calibrated to -2.0.</p>
-4.0	-3.0°	244	70	83		F5	.25mm ²	3	
-4.0	-3.5°	305	60	79		F5	.50mm ²	2	
-4.0	1.9°	320	50	77		F6	1.0mm ²	5	
-3.0	-2.5°	299	40	58		F4	2.0mm ²	3	
2.5	-1.0°	302	30	54		F7	2.0mm ²	4	
-2.0	-2.0°	299	20	40		N/A	Ice/VA solid layer	1	
-1.0	0.0°	278	10	39		F6	2.25mm ²	4	
			0	29		FB	4.0mm ²	5	
				11					
				3		F8	6.0mm ²	4	
				0		F9	2.0mm ²	3	

SNOW COVER PROFILE	Date <u>2-13-05</u> Time <u>1430-1500</u>	Observer <u>Sheryn Olson</u> <u>Arden Peiland</u>
Location Code (see below): <u>~100m S.W. of C1-Glade</u> <u>just off trail</u>	Air Temperature <u>35°F</u>	Cloudiness/ <u>Sunny/clear</u> Insolation - <u>highest for Feb 13</u>
Valid 3-character location codes are Saddle grid stakes (001 through 090, 10A through 00A), 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 (50S), 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).	Precipitation <u>none</u>	
	Wind <u>15 mph; gusting to 35 mph</u>	Surface <u>Fairly soft,</u> Instrument Hardness <u>hard crust</u>

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Not sampled Temp (C)	sampled Net Weight (g)	← Height above ground (cm)	→ Height above ground (cm)	liquid water (%)	Grain Shape	Grain Size (mm)	Hard- ness	Comments
		87 (30 to west)	85					Crust 2-3 layers = 1cm/1cm/1cm grains feathered-branched
		crust			CR	2	2	soft but consistent
		83.5	83.5		ET? 3 ER? 3	1.5	4	↓ 22cm shapes-
		75	75		IC	ice	1	
		65	65		ice	lens	1	ice layer 11cm
		50	50		WM	1.5- column consistent soft	4	WM or ET? 18cm
		45	45				4	4 fingers - easy
		35	35		IC	ice	1	6cm
		25	25		ET?	1-2	4	2 ⁴ finger-compared to 2 nd layer varied in layer
		15	15		IC or WM	1.5mm	1	FIRNIFICATION! ice to ground in some places - along pit - 30cm East of sample,
		5	5				1-1.5	○ 3 - rounded shapes - not depth hoar
		ground	ground		○ 3 ET?		5	at ground - 50cm west of sample zone, snow/melt over bush formed. - ice ball, on top of it, TG below

