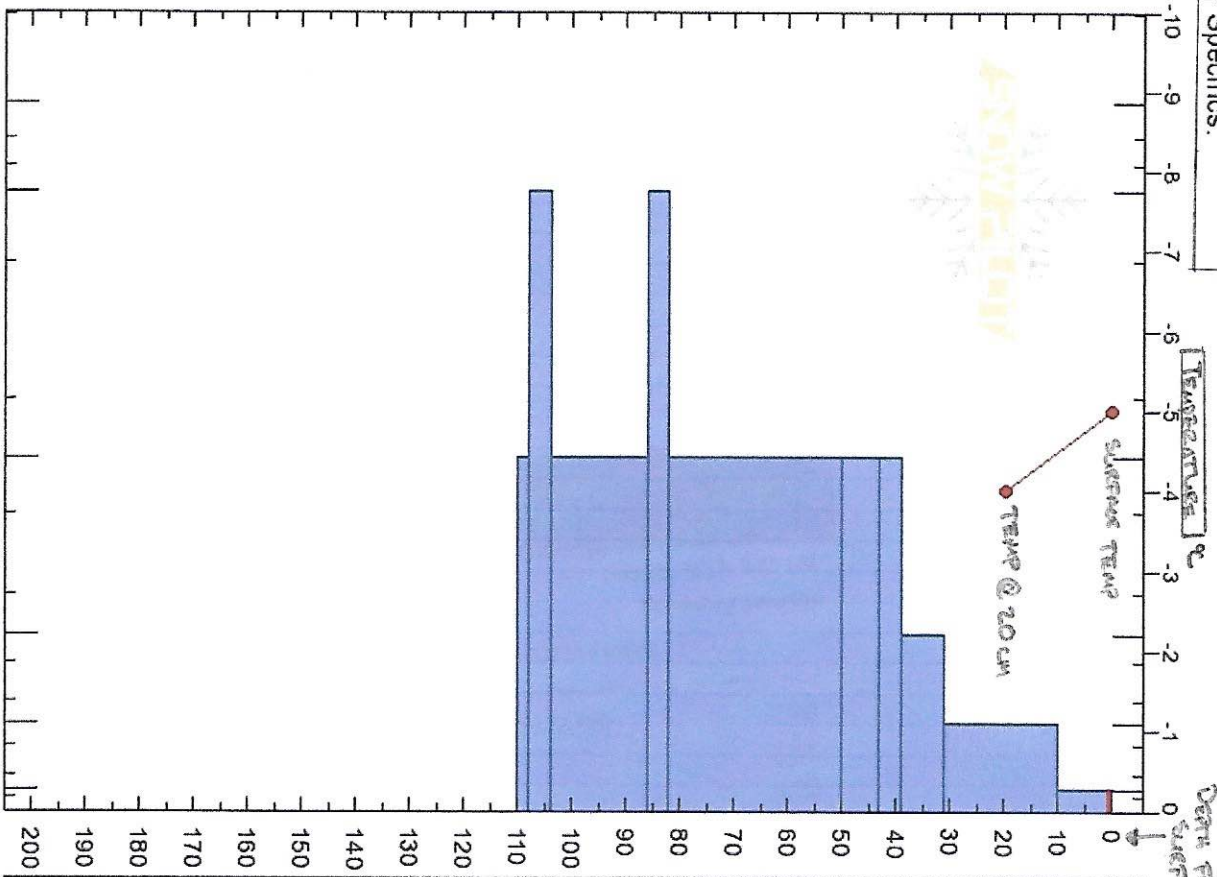


Snow School 20170126 Ben Hannon
 North Cascades, West Thu Jan 26 10:42 2017

WA
 Elevation: 3650 ft
 Aspect: E
 Co-ord:
 Slope Angle: 5°
 Wind Loading: no

Stability:
 Air Temperature: -2°C
 Sky Cover: FEW
 Precipitation: NO
 Wind: Calm

Taken shaded 1 meter above surface
 HS205
 Total depth of snow 111 cm
 Layer Notes
 10-0: Problematic layer



Form	Crystal Size	Moisture	Stability tests
V (1)	25	200	
Randomly oriented grains	Randomly oriented grains		

COMMON GRAIN TYPES ON THE GROUND
 + RESUBSTITUTION PARTICLES
 / DECOMPOSING PARTICLES
 ● RANDOM GRAINS
 □ FACETED GRAINS
 ▲ DEPTH HOAR
 V SURFACE HOAR
 ○ MELT FORMS
 — ICE FORMS

Notes:
 K HAND HARDNESS SCALE
 ICE KNIFE
 PHASE NUMBER
 1F
 4F
 F
 4 FINGER
 1 FINGER

Sky Cover:

Clear	CLR	No Clouds
Few	FEW	<2/8 of sky covered with clouds
Scattered	SCT	3/8 - 4/8 of sky covered
Broken	BKN	≥4/8 but <8/8 sky cover
Overcast	OVC	8/8 of sky covered
Obscured	X	sky obscured by fog, snowfall, etc.

Precipitation Type:

NO	No precipitation
RA	Rain
SN	Snow
RS	Mixed rain and snow
GR	Graupel and hail
ZR	Freezing rain

Precipitation Intensity:

S-1	Very light, <1 cm/hr
S1	Light, ~1 cm/hr
S2	Moderate, ~2 cm/hr
S5	Heavy, ~5 cm/hr
S10	Very Heavy, ~10 cm/hr

Wind:

Calm - 0 mph, No air motion, smoke rises vertically.

Light - 1-16 mph, light to gentle breeze, flags and twigs in motion.

Moderate - 17-25 mph, fresh breeze, small trees sway, flags stretched, snow begins to drift.

Strong - 26-38 mph, strong breeze, whole trees in motion.

Extreme - >38 mph, gale force or higher.

Wind Loading:

None - no - no snow transport observed

Previous - prev - snow transport has occurred since last observations but none currently

Light - L - Observable snow transport associated with light wind speed

Moderate - M - Observable snow transport associated with moderate wind speed

Intense - I - Observable snow transport associated with strong wind speed

Unknown - U - observation is impossible due to darkness, clouds, or fog