SNOW PIT PROFILE CHART

Date General Area								Elevation	n	
Location of Pit								Aspect Slope Angle		
Weather & Temperature:										
Any Observed Instability (slabs, cracks, whoomps, etc.):										
Other Notes:								STABILITY FORECAST 1 - Stable (Green) 2 - 50/50 (Yellow) 3 - Very Unstable (Red)		
Crystal & Grain Symbols (Note: slightly simplified from ICSI Standards)	±		ıture	9 . 7	Š.	* &	62	` ` `	ړه	
+ + Newly Precipitated (Original crystals identifiable) Partially Rounded (Branches, irregular)	Size of Grains	Free Water	Temperature	Distance Above Ground	40 / 5/1/2 SOR	Sity &	N. C.	PAN ON	70.75. 1.70.0	
Shapes) Rounded Grains Faceted Crystals (Sharp edges and corners, glassy smooth faces) Depth Hoar (Faceted, angular crystals with striations.) Rounding of Faceted Crystals V V Surface Hoar (Striated - sometimes needle-like) O Melt Freeze Ice Masses Free Water Symbols Dry Snow Moist - A snowball can be made but water not visible with a hand lens Wet - A snowball can be made easily and water can be seen between grains Very Wet - Water can be pressed out of the ball Shear Characteristics Q1 - Breaks clean and smooth like it's spring loaded O2 - Breaks on a smooth plane but more stubborn										
Q3 - Breaks on a rough, broken plane Compression Test (CT) (30 cm x 30cm - 1' x 1') (10 Wrist Taps / 10 Elbow Taps / 10 Shoulder Hits) CTV - Fractures when isolating column (Red Flag) CT1-CT10 - Fractures during first 10 taps (Red Flag) CT1-CT20 - Fractures during elbow taps (Yellow) CT21-CT30 - Fractures during shoulder hits (Green) CTN or CTX - No Fracture (Green) Extended Column Test (ECT) (90cm x 30cm) (3' x 1') (10 Wrist Taps / 10 Elbow Taps / 10 Shoulder Hits) ECTPV - Propagation: Entire column fractures (Red!) ECTP# - Propagation: Entire column after # taps (Red) ECTN# - Part of column fractures after # taps (Green) ECTX - No Fracture (Green but try different shear tests)										K. Wat
Rutschblock Scores (RB) (2m x 1.5m - 6' x 4.5') RB1 - Slides during digging (Red Flag) RB2 - Slides with gentle step (Red Flag) RB3 - Slides with knee compression (Red Flag) RB4 - Slides with one jump (Yellow Flag) RB5- Slides with two jumps (Yellow Flag) RB6 - Slides with repeated jumps (Green) RB7 - Nothing produces smooth break (Green)	Sn	ow Lay	/er Tem	perature:						Watters - Idaho St Univ 2015/B Rev.