Snow Pit Profile Sunlight Basin Madison, MT Elevation (ft) 9200 Aspect: 330 Specifics:

Observer: Mark Staples Sat Dec 03 14:00:00 MST 2011 Co-ord: 44.97131 N 111.30448 W Slope: 32 Wind loading: no Stability on similar slopes: Fair Air Temperature: C Sky Cover: sky < 2/8 covered Precipitation: None Wind: Stability Test Notes:

Layer note 17-30: Pro

Crystal Stability Tests ρ kg/m³ Form Size (mm) 110 100 90 ECTN 20 Depth: (cm) 80 80 70 60 50 40 白(口) 1.0 30 Λ 4.0 - 5.0 20 CTH Q1 Depth: (cm) 17 CT \odot ECTP25 Q1 Depth: (cm) 17 10 Λ 3.0 0 ĸ 1F 4F

Notes: Snowpack very supportable. No avalanches, no collapsing, no cracking. I was a little surprised, but I do not trust this depth hoar, and we were cautious travelling to this pit. I expect avalanches when we finally get a good storm. This area has received 0.6" SWE over 4 days and before of no loading. The last quick load was 0.8 inches in 12 hrs over 2 weeks ago.

Advisory Region Southern Madison Longitude -111.31W Latitude 44.97N