

# Widespread whumpfung/collapsing and cracking above Hebgen Lake

Hebgen Lake  
Lionhead Range  
1/3/2021  
Code  
Aspect  
E  
Aspect Range  
N-E  
Latitude  
44.83810  
Longitude  
-111.34300  
Notes

## Observation 1:

**Sun 1/3:** Skied both north and east facing terrain on the west side of Hebgen today. The few inches of new snow that has fallen recently seemed a bit denser than what was already on the ground. Made for an EXTREMELY touchy day. Widespread whumpfung and collapsing everywhere we went. We kept our slope angles low. On one slope we had a large [collapse](#) when the first skier started which created many longitudinal cracks across the entire width and length of the slope. We measured the slope at 27 degrees - I am confident a steeper slope in this area would have easily released.

## Observation 2:

Summary of observations from **Sat 1/2** and **Sun 1/3**: -No avalanches observed -Lots of whumpfung and shooting cracks on N through SE aspects between 6600' and 8900' -3" of new snow at 8900' within 24 hour period from Saturday to Sunday; snowed S1 for a few hours Sunday morning but stopped by 1 p.m. and skies went from obscured at 9:00 a.m. to broken at 3:00 p.m. -Imperceptibly calm winds on Sunday below ridgetop at 8900' and trees holding snow at all elevations; ridge at 8900' had light Westerly winds gusting at moderate; we observed blowing and drifting snow at ridgetop being deposited on NE through E slopes. [Snowpit](#) Data from E [aspect](#) at 8200' (26 degree slope) on Saturday 1/2 at 1:00 pm: HS 75cm Weakest layer found at 50 cm down; [weak layer](#) is the interface between F-hardness basal facets (2-3mm) and 4-F, smaller facets above them Test results on this layer were ECTPV, ECTP13, and PST 25/100 (end)

Number of slides  
0  
Number caught  
0  
Number buried  
0  
Problem Type  
Persistent Weak Layer  
Slab Thickness units  
centimeters  
Single / Multiple / Red Flag  
Red Flag

Advisory Year  
20-21