

Big Deep Slabs in Maid of the Mist, Hyalite

Maid of the Mist
Northern Gallatin
2/16/2020
Code
HS-N-R4-D3.5-O
Elevation
9900
Aspect
SE
Aspect Range
E-S
Latitude
45.41640
Longitude
-110.97000
Notes

Skiers saw these deep slabs in Maid of the Mist in Hyalite on 2/21/20. Doug Chabot went to the site on the 2/22.

The avalanches were big and deep. They ran on the facets/ [depth hoar](#) near the ground. The [slide](#) (1&2) ran to their maximum runout.

[Aspect](#) : South to East

Elevation: 9900'

Slope Angle: estimated 45+ degrees at the steepest with average of 40 degrees.

[Using Google Earth](#)

Crown: 9930'

Toe of Debris: 9316' with a measured Alpha Angle of 16 degrees

- Latitude: 45°24'49.65"N
- Longitude: 110°58'49.04"W

Using picture "4 avalanches..." as reference:

1. was 300' wide, 6-8 feet deep
2. 1300' wide; it ran from east to south [aspect](#) ; was 10-12 feet deep; ran 2150' slope distance,
3. was 150' wide, 450' slope distance, 4-5 feet deep
4. was 250' wide and had a measured Alpha Angle of 26 degrees, 4-5 feet deep and ran 775 slope distance.

Number of slides

4

Number caught

0

Number buried

0

Avalanche Type

Hard slab avalanche

Trigger

Natural trigger

R size

4

D size

3.5

Bed Surface

O - Old snow

Problem Type

Persistent Weak Layer

Slab Thickness

120.0 inches

Vertical Fall

600ft

Slab Width

1300.00ft

Weak Layer Grain type

Depth Hoar

Images

[Google Map of the 4 crowns_Maid of the Mist](#)

[One of the 4 crowns in Maid of the Mist](#)

[Bent trees in the avalanche path_Maid of the Mist](#)

[The deepest part of the crown_Maid of the Mist](#)

[Maid of Mist runout zone_closeup](#)

[4 avalanches in Maid of the Mist Basin](#)

[Looking down at the runout_Maid of the Mist](#)

[Maid of the Mist Alpha Angle](#)

[Limbed trees in the avalanche path_Maid of the Mist](#)

[Natural avalanche in Maid of the Mist](#)

[Deep Slab avalanche Maid of the Mist](#)

Attached Videos

[As big as it gets, Hyalite - 22 Feb](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Multiple Avalanches

Advisory Year

[19-20](#)