

# PM for Galena

## Time/Date

Assessment Date & Time: 2022-04-23 @ 22:24

Assessment Type: nowcast

Valid Until: 2022-04-24 @ 05:00

Users Present: Marc Hanselman

## Wx & Avy Obs

See observations table



## Snowpack

### Snowpack Summary

Solars: +/- 10cm PP/DF, 5cm MFcr, 12-15cm DF/RG 4F, P MFcr with mid pack moist

Shade: +/- 20cm PP/DF F over generally right side up midpack. +/- 65cm April snow over strong mid and lower pack.


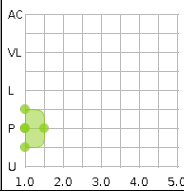
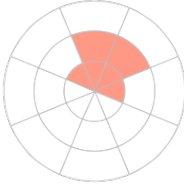
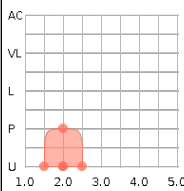
### Assessments

PWL	Date	Status	Crystal Type (1)	Crystal Type (2)	Depth Min	Depth Max	Asp/Elev	Comment
DI	2022-01-31	Dormant	FC		10	40		Drought Interface consists of FC, SH, and MFcr/FC combos which formed during long drought period in January and February and that became buried by small storms in the first two weeks of Feb. Part of this layer is a rain crust from early March that developed a facet layer on top of it and then was buried on 3/8.
1211 FCsf	2021-12-11	Dormant	FCsf	MFcr	90	150		This PWL was finally buried with big mid-Dec storm on 12/11, but had been developing during the weeks before the storm. Oct storms laid down the base of the snowpack, which was subject to above normal temps through Nov. Temps cooled, a few small storms laid down the new surface, which faceted into the current PWL.

## Hzd Assessment

### Hazard Assessment

#### Avalanche Problems

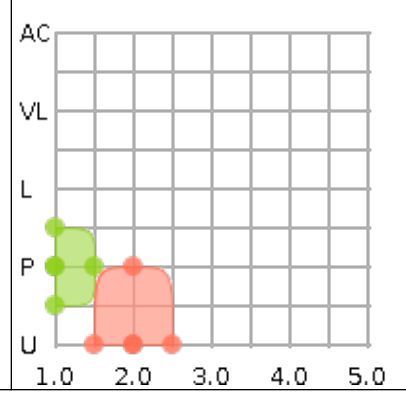
Type of Problem	Asp/Elev	Failure Plane	Distribution	Sensitivity	Typical Depth	Hazard Chart	Comment
Wind Slab		Non-persistent	Isolated	Reactive	10-20		Observed shallow wind effected snow in isolated, exposed terrain; cracking under skiers weight.
Persistent Slab		Non-persistent	Isolated	Stubborn	20-30		Triggered slide in Cody Bowl creates more uncertainty in regards to distribution and sensitivity.

### Hazard Ratings

Elevation Band	Hazard Rating	Problem Importance	Hazard Chart
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All

1. Persistent Slab Non-persistent
2. Wind Slab Non-persistent



Confidence: Moderate

Comment: Based on test results and timing of precip events, figured the problem was healed. Now have greater uncertainty in regards to the distribution and sensitivity and far less confidence.

### Review the Day

*Review Today's Decisions. Plan for upcoming Days.*

Re-assess the morning hazard and risk forecast, and prior level of confidence: "Were conditions similar to what we expected?" "Any surprises?": Big surprise in regards to Cody Bowl avalanche! See near miss report for details.

Most at Risk: Triggering large avalanche in Cody Bowl.

Incidents/Accidents/Near Miss (use link to get to reporting form):

([https://docs.google.com/document/d/1n67um4zrW74O7lxDe2H3MG5YHqw\\_gSHCLl63vUxOwLQ/edit?usp=sharing](https://docs.google.com/document/d/1n67um4zrW74O7lxDe2H3MG5YHqw_gSHCLl63vUxOwLQ/edit?usp=sharing))

Operations: See Near Miss report for details.

Tomorrow's Plan (comms devices, avy gear, talk to owner office?):

Pulling the plug on next week's tours.

## Observations Table

### Snow Profiles

No Observations Submitted

### SWAG Field Summaries

Location(s)	Date	Elev Min	Elev Max	AM Sky	AM PRTI	AM WdSp	AM WdDir	AM Xport	PM Sky	PM PRTI	PM WdSp	PM WdDir	PM Xport	HS	HST	Comment	Elev	Sky	PRTI	Xport	Wind
Galena,Grand Prize	04/23/2022	7600	9700	SCT	NO	L	N	Nil	BKN	S-1	M	N	Nil	240	1	Increasing clouds and winds in the afternoon. Warm when the sun was out, chilly in the shade and/or wind.	7600ft-9700ft	SCT - BKN	NO - S-1	Nil	L @ N - M @ N

### Avalanche Summaries

No Observations Submitted

### SWAG Avalanche Observations

Location(s)	Date	Time	Num	Dest Size Typ	Trg PS	Trg Mod	Prob	Asp From	SZ Elev Avg	Incl Avg	Depth Avg	Snow Failure Type	Comment	Dest Size	Trg	Asp	SZ Elev	Incl	Depth	Control Team
Cody Bowl	04/23/2022	13:30	2	D2.5	AS	u	Persistent Slab	N	9600	38	50	HS	Skier triggered hard slab in Cody Bowl which sympathetically triggered adjacent tube. Initial slide was 300' wide and ran 800'. Sympathetic slide was of equal or greater size. Suspected weak layer was advanced facets prior to April's snow events.	D2.5	ASu	N	(9600ft)	(38)	(50cm)	

### Terrain

No Observations Submitted