Welcome!

- We will begin shortly
- Please type your name, affiliation and current geographic location in the Zoom chat box
- Keep camera on if possible, turn mic off when not talking

~	Zoom Group Chat	
To: Everyone 🗸		
Mary Ann Rozance	e, Postdoc at NW CASC/CIG, Seattle, V	VA



Co-developing a post-fire recruitment probability web app

Kim Davis, University of Montana

Ty Tuff, University of Colorado, Boulder



North Central Climate Adaptation Science Center

The University of Montana acknowledges that we are in the aboriginal territories of the Salish and Kalispel people.



Larry Abramson Missoulian





Photo: Timber Burnette



0000

Lower Higher

Lower

Higher

Colorado Sprin



() mapba

Colorado Spring

Communicating about potential post-fire forest recovery



Photo: Tom Bauer (Missoulian)

Photo: Lolo National Forest

Communicating about potential post-fire forest recovery

Low severity scenario



High severity scenario



Glacier NP post-fire recruitment probability

Douglas-fir 1980-2 2031-2

High severity scenario

Lodgepole pine

Subalpine fir



Probability

- Very low
 Low
 Low/Moderate
 Moderate
 Moderate/High
- High
- High Vory H
- Very High

Modeling post-fire recruitment



Species	Plots
All combined	10,181
Douglas-fir	5 951
	4,520
Engelmann spruce	1,520
Lodgepole pine	3,232
Ponderosa/Jeffrey pine	7,719
Subalpine fir	2,268
White/grand fir	3,846

Post-fire recruitment projections



Fire severity scenarios used in projections



Post-fire recruitment probability projections



Post-fire recruitment probability web map Considerations:

- 4-km climate data; 500-m heat load index
- Fire is patchy but not in these projections
- Tool will include the ability to download raster data for a user specified area
- We will provide a link to a user guide soon
- White fir and grand fir will also be added



Breakout 1

For which decisions and how would you use this information?



Breakout 2

- What added functionality does the tool need to be useful for you?
 - Would you prefer to have future projections from 5 individual climate models rather than the mean?
 - Are there other severity or time since fire scenarios that would be helpful to include?
- How could we improve the ease of use?



THANK YOU!

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