

The Mount Hood Problem

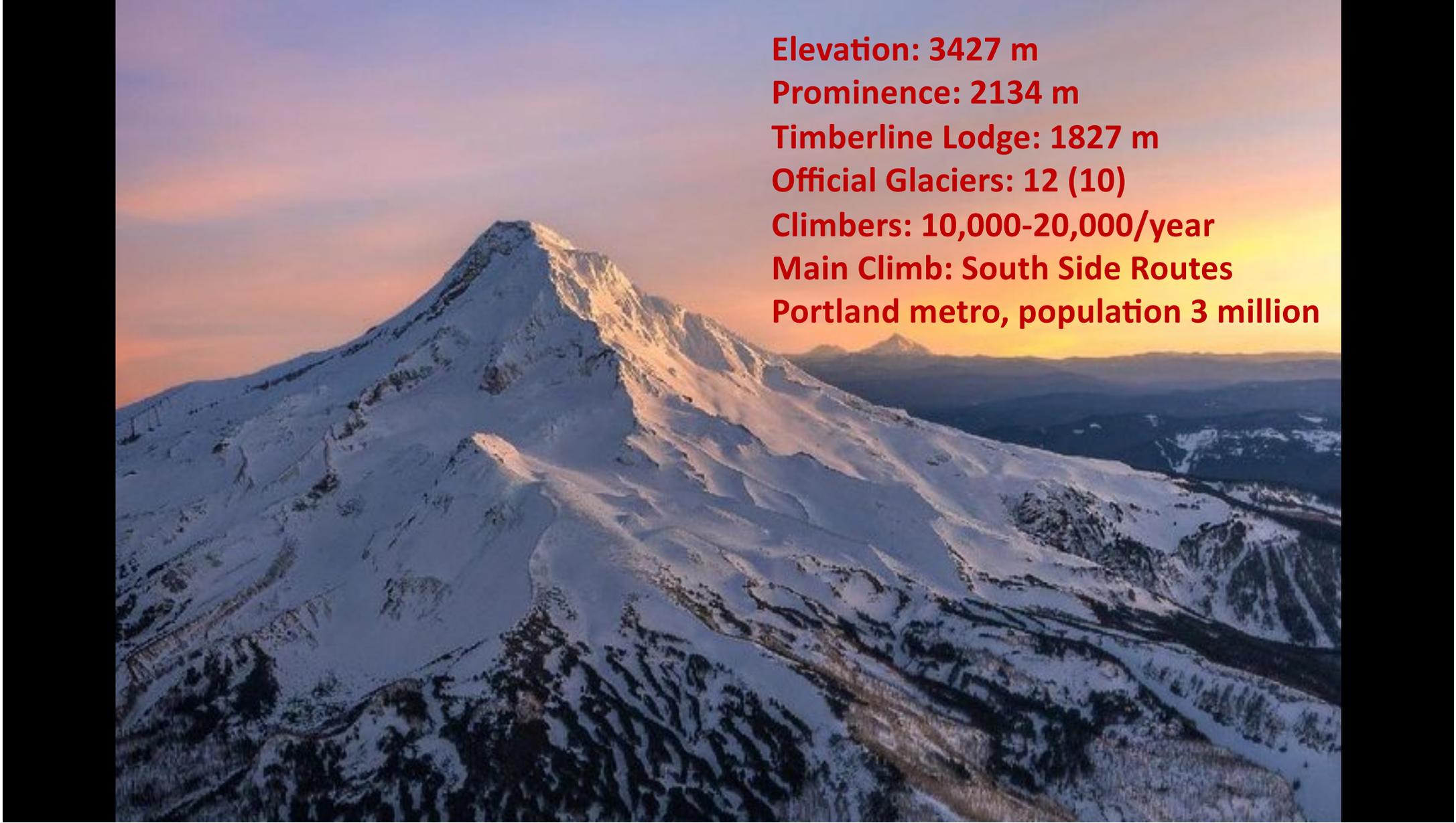
ICAR 2022

Christopher Van Tilburg MD



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Elevation: 3427 m

Prominence: 2134 m

Timberline Lodge: 1827 m

Official Glaciers: 12 (10)

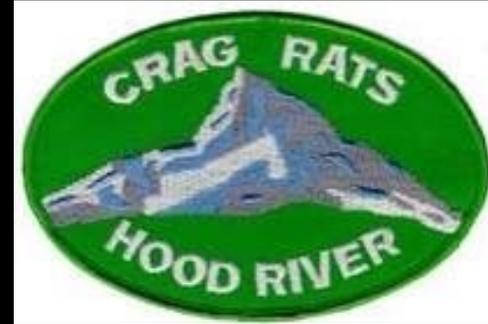
Climbers: 10,000-20,000/year

Main Climb: South Side Routes

Portland metro, population 3 million







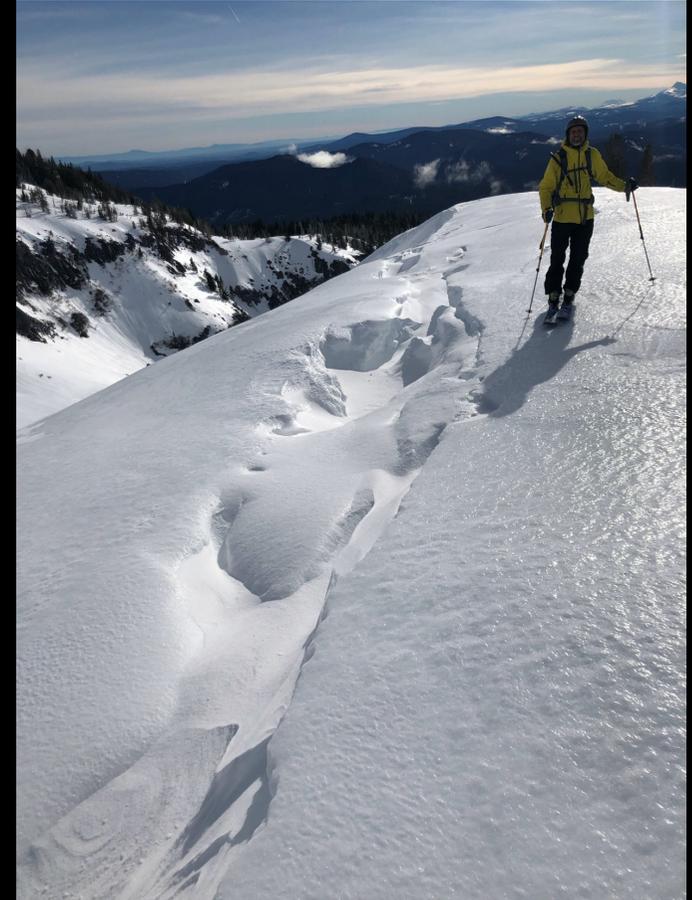
Portland Mountain Rescue
Portland, Oregon, USA
Population: 3 million
Established: 1950
Rescuers: 50
Missions: 15/year

Hood River Crag Rats
Hood River, Oregon, USA
Population: 25,000
Established: 1926
Rescuers: 35
Missions: 50/year

What is Happening on Mount Hood?

Natural hazards

Crevasses
Bergschrunds
Fumaroles
Glide Cracks



Avalanches



Rain Runnels



Lenticular Clouds



Mount Hood Triangle



Human Hazards

Crowds



Improper
equipment



Light Less-durable
Equipment



Skier Sets New FKT For 5,380-Foot Mount Hood, OR, Ascent and 7-Mile Round Trip

SnowBrains | April 26, 2022

FKT: Fastest
Known Time



Mont-Blanc Speed Record: Ascent and Descent On Foot

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Kilian Jornet Burgada is the current holder of the Mont Blanc speed record on foot. He was born in Sabadell, Catalonia, Spain, on 27 October 1987. On 11 July 2013 he set the new record of 4 hours 57 minutes 34 seconds for the fastest ascent & descent on foot from Chamonix.



Kilian Jornet Summits Everest in Fastest Known Time

The 29-year-old Spaniard continues breaking speed records on the world's highest mountains



Ueli Steck beats Kilian Jornet's Mont Blanc record

New speed ascent record from the Italian side of Mont Blanc

Featured in: [News & Reviews](#) · [Ellie Mahoney, Chamonix Editor](#) | Published 23 August 2016

About On 18th August, Swiss speed climbing

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NEWS / SPORTS NEWS / OTHERS NEWS / Kilian Jornet Sets Record To Win Fourth Mont Blanc U...

Kilian Jornet sets record to win fourth Mont Blanc ultramarathon

Reuters / Aug 27, 2022, 19:51 IST

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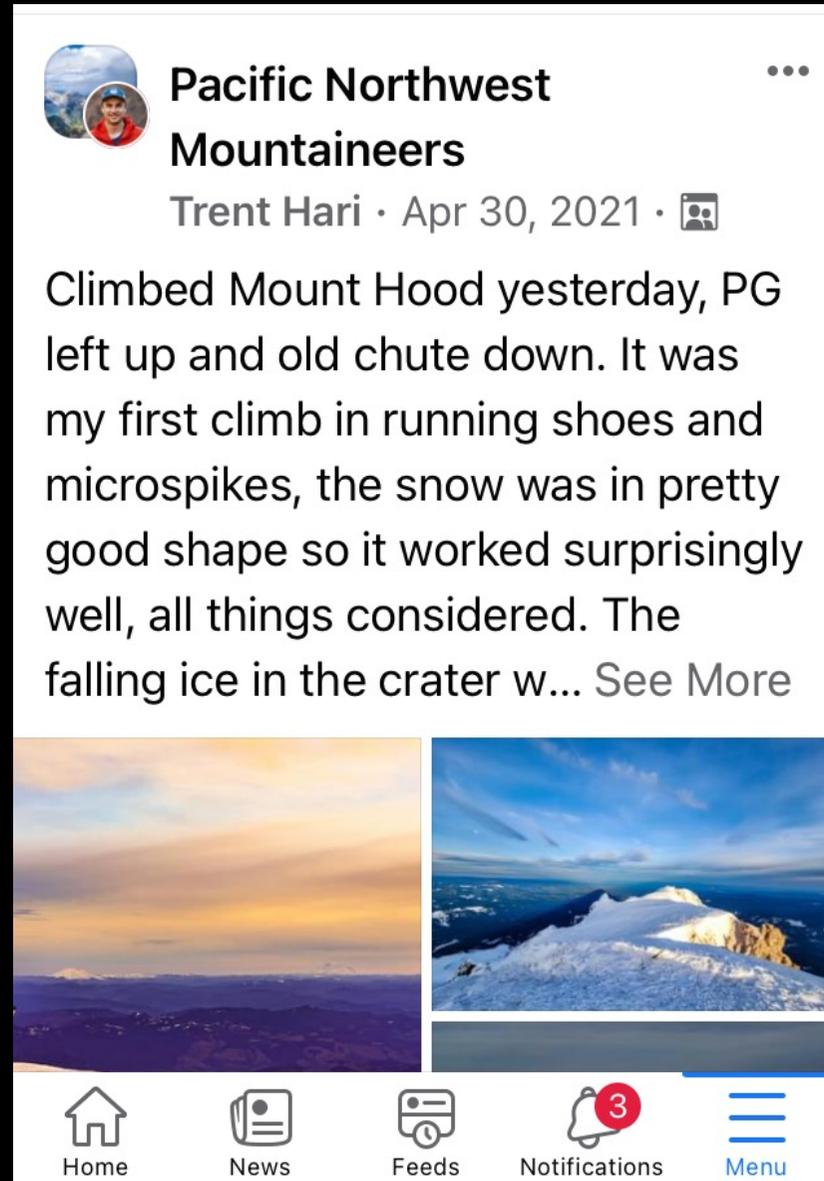
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Kilian Jornet (AFP photo)

Spain's Kilian Jornet won the Ultra-Trail du Mont-Blanc

Social Media



Pacific Northwest Mountaineers

Trent Hari · Apr 30, 2021 · 📷

Climbed Mount Hood yesterday, PG left up and old chute down. It was my first climb in running shoes and microspikes, the snow was in pretty good shape so it worked surprisingly well, all things considered. The falling ice in the crater w... See More



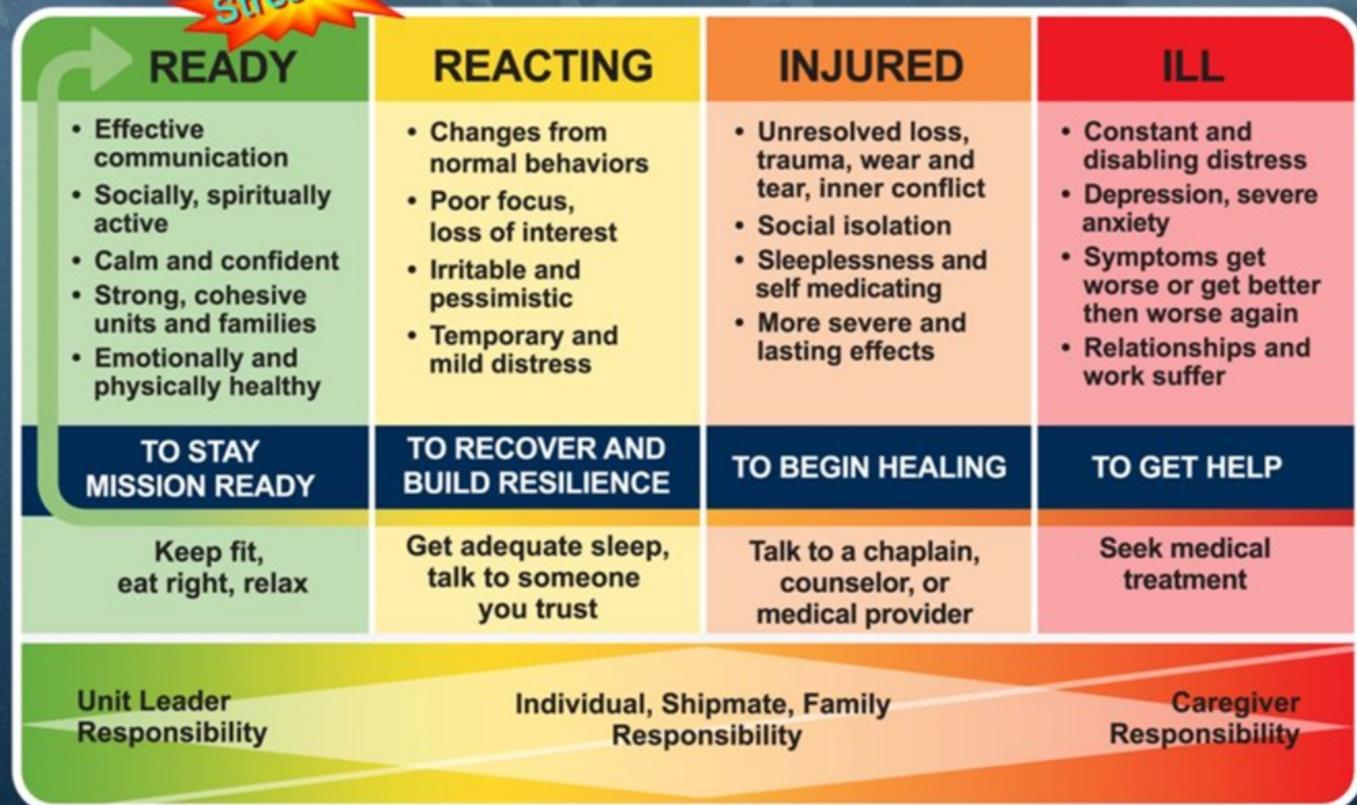
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Stress Continuum Model



Rescuer Stress



Solutions

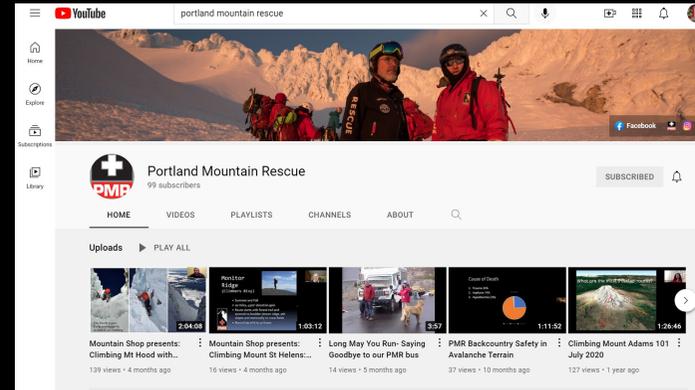
Social Media



#portlandmountainrescue



@portlandmountainrescue

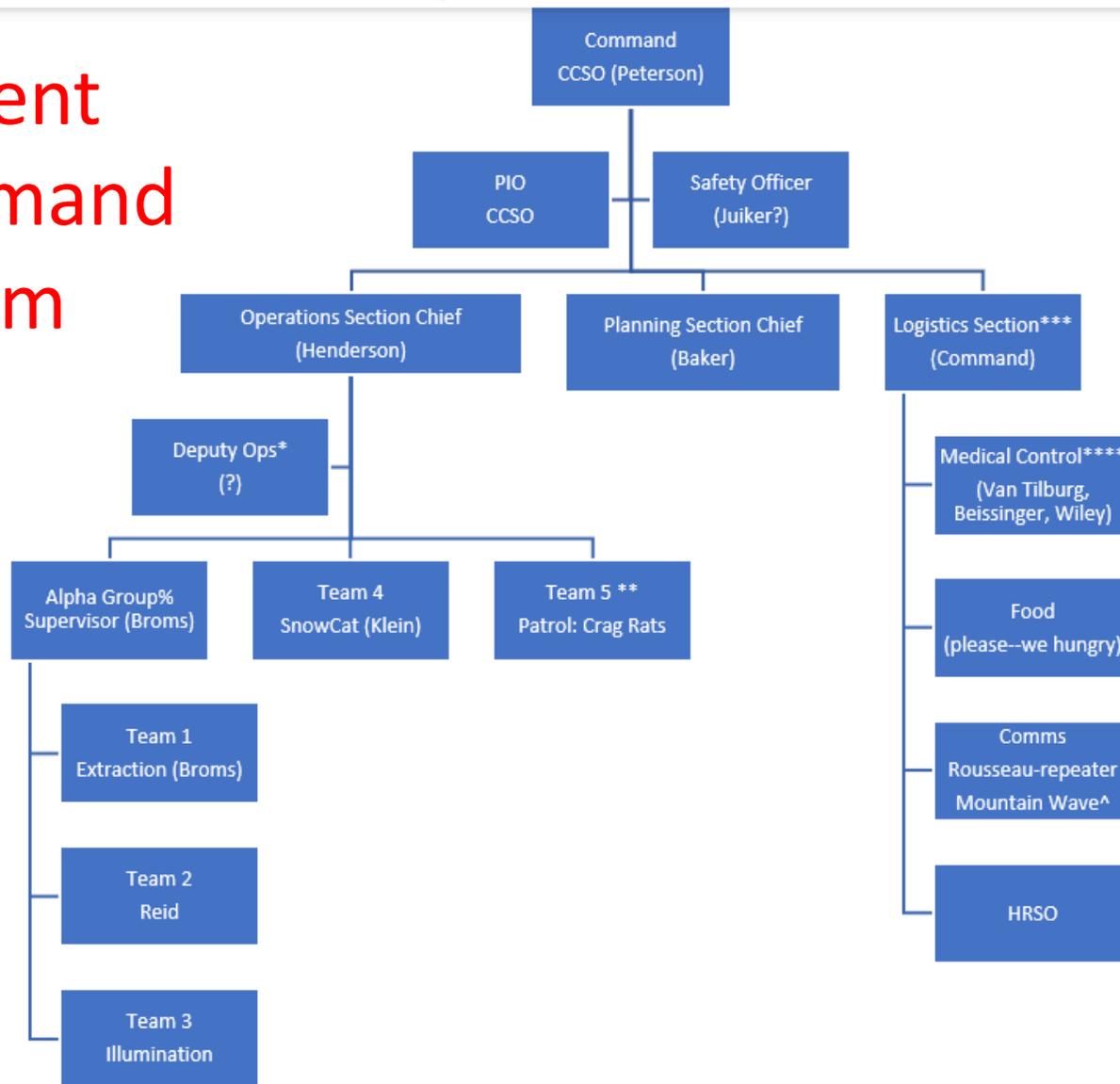


RESCUE RADIO
PORTLAND MOUNTAIN RESCUE



www.pmru.org

Incident Command System



Medical Training



Rescue Training



Patrol



Recruiting



Fee Permits

2022 GUIDED ADVENTURES

CLIMBING INFORMATION ▼

Preparing for Your Climb

Climbing Permits

Permit and Climbing FAQs

Current Conditions

Route Descriptions

Training

Packing List

EVENTS ▶

CLIMBING PERMITS

Want to climb with us? the Mount St. Helens Institute offers a [limited number of guided climbs](#) to the summit of Mount St. Helens each year. You can learn more and sign up by [visiting this page](#).

At 8,328 feet high (as measured by USGS in 2009), Mount St. Helens offers climbers a breathtaking view from the crater rim. Although it is not a technical climb, it is strenuous and hazardous due to ice, large boulders, loose pumice, fast-changing weather and volcanism. Climbers should be in very good physical condition, well equipped, informed about volcanic hazards, and have plenty of water and food.

The Mount St. Helens Institute has partnered with the Mount St. Helens National Volcanic Monument to help protect the volcano's fragile features and to ensure climbers have a safe, low-impact experience on the volcano.

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