

# Soil Burn Severity Map - Bolt Creek Fire

## MBS BAER 2022 - Mt. Baker-Snoqualmie National Forest

Soil Burn Severity	Acres	Percent
Unburned or Underburned	2,210	19%
Low	3,708	32%
Moderate	3,790	33%
High	1,803	16%
<b>Grand Total</b>	<b>11,511</b>	<b>100%</b>

### Soil Burn Severity

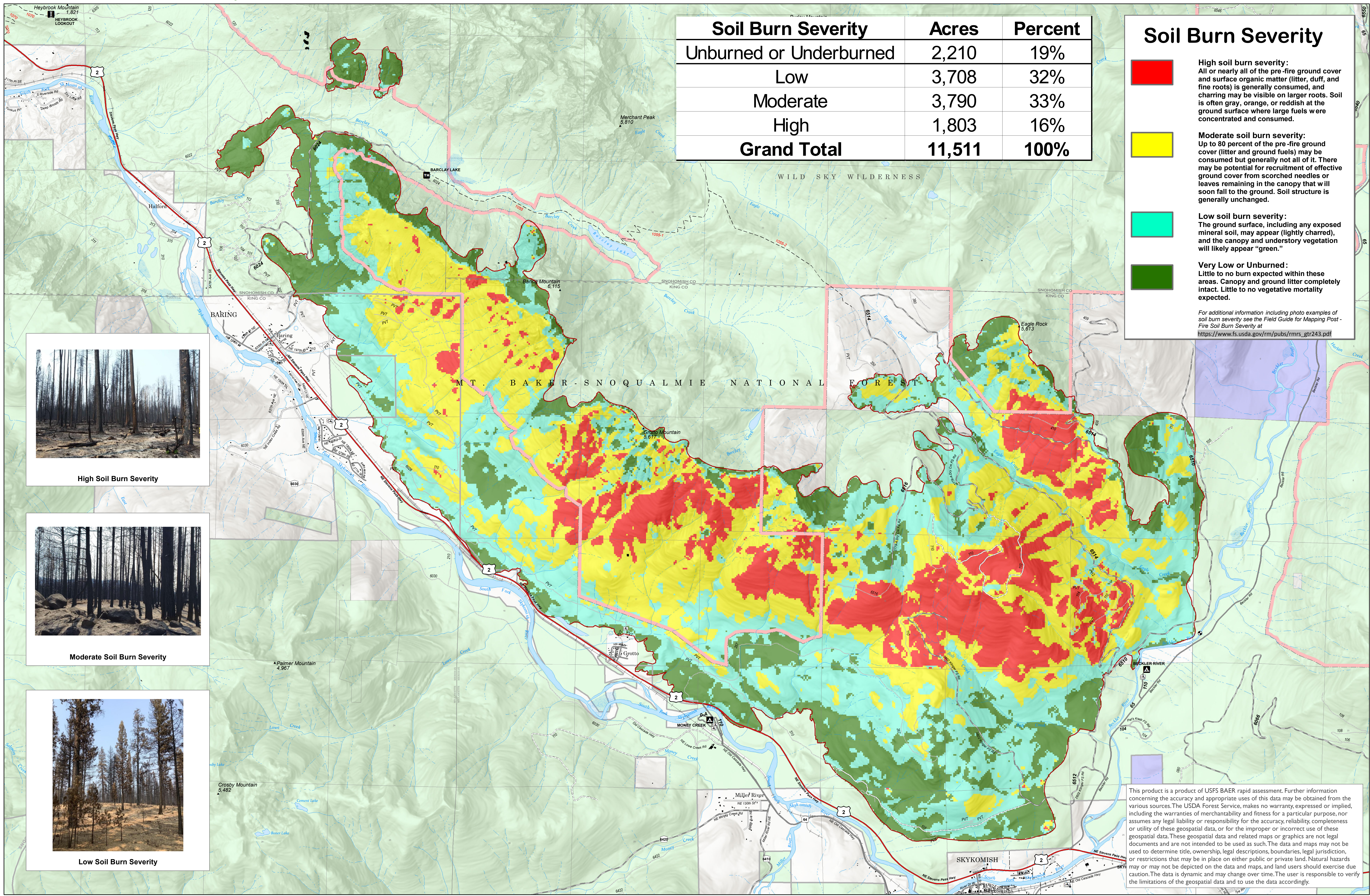
**High soil burn severity:**  
 All or nearly all of the pre-fire ground cover and surface organic matter (litter, duff, and fine roots) is generally consumed, and charring may be visible on larger roots. Soil is often gray, orange, or reddish at the ground surface where large fuels were concentrated and consumed.

**Moderate soil burn severity:**  
 Up to 80 percent of the pre-fire ground cover (litter and ground fuels) may be consumed but generally not all of it. There may be potential for recruitment of effective ground cover from scorched needles or leaves remaining in the canopy that will soon fall to the ground. Soil structure is generally unchanged.

**Low soil burn severity:**  
 The ground surface, including any exposed mineral soil, may appear (lightly charred), and the canopy and understory vegetation will likely appear "green."

**Very Low or Unburned:**  
 Little to no burn expected within these areas. Canopy and ground litter completely intact. Little to no vegetative mortality expected.

For additional information including photo examples of soil burn severity see the Field Guide for Mapping Post-Fire Soil Burn Severity at [https://www.fs.usda.gov/rm/pubs/rmrs\\_gtr243.pdf](https://www.fs.usda.gov/rm/pubs/rmrs_gtr243.pdf)



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 Date: 9/20/2022

- Fire Boundary
- Ranger District Office
- Primary Highway
- Dirt (Not Paved)
- Well
- Campground
- Paved Roads
- Tunnel; Bridge
- Drinking Water Source
- Lookout
- Unimproved Roads
- Closed Roads
- Stream Flow Gaging Station
- Trailhead
- Gravel Road
- Railroad
- Building Footprint
- Ranger District Boundary
- FS Wilderness Boundary
- Forest Service Land
- State Land
- Private; Local Government; Undesignated

WASHINGTON  
 Snohomish & King Counties