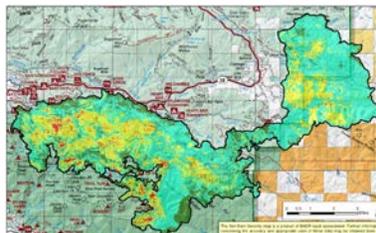




## Burned Area Emergency Response (BAER)

BAER Information: (909) 747-9878

### INTERPRETING THE LAKE POST-FIRE BAER SOIL BURN SEVERITY MAP



**BAER** specialists recently completed their data gathering and verification field work in the **Lake Fire** burn area and finalized a **Soil Burn Severity** map. Soil Burn Severity grid mapping codes are 1=Unburned, 2=Low, 3=Moderate, and 4=High.

The map shows that approximately 70% of the 30,488 acres analyzed by the **BAER** team within the **Lake Fire** perimeter are either unburned or have a low soil burn severity, while 28% sustained a moderate soil burn severity and 2% received a high soil burn severity.

The assessment team uses the map to model potential impacts to human life, safety, and property from storm events and consider emergency stabilization options for those critical resources.

**BAER Soils Scientist Eric Schroder** stated, "Significant increases in the rates of erosion and run-off are expected from steep hillslopes with high and moderate soil burn severity. Erosion and run-off from unburned and low areas will not be significantly greater as a result of the fire."

The soil burn severity BAER map can be downloaded at the "[Lake Post-Fire BAER](#)" InciWeb site as JPEG or PDF version under the "maps" tab.

A "**Field Guide for Mapping Post-Fire Soil Burn Severity**" can help with interpreting the map and can be found online at [http://www.fs.fed.us/rm/pubs/rmrs\\_gtr243.pdf](http://www.fs.fed.us/rm/pubs/rmrs_gtr243.pdf).

Lake Post-Fire BAER Assessment information is available at <http://inciweb.nwcg.gov/incident/4346/>.

