U.S. Department of the Interior
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Open-File Report 2013–1260
Plate 2
Volume Map

Estimated volume of post-fire debris flows in the area burned by the 2013 Rim fire, Stanislaus National Forest and Yosemite National Park, California

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EXPLANATION

- Basin Outlet
- Rim Fire Perimeter
- Drainages within and below the burn area that can be impacted by the combined effects of debris flows and floods generated from side tributaries
- Stream Outside Burn Perimeter

Predicted volume, in cubic meters (m^3) of a debris flow in response to a 10-year-recurrence, 60-minute rainstorm based on data from NOAA Atlas 14 Vol. 6 precipitation frequency estimates.

Basin Volume	Segment Probability
< 1,000 m^3	< 1000 m^3
1,000-10,000 m^3	1,000-10,000 m^3
10,000-100,000 m^3	10,000-100,000 m^3
> 100,000 m^3	> 100,000 m^3

Debris-flow volume is estimated for a basin outlet at the most downstream end of each drainage basin and for segments of the drainage network that contained burned terrain.

0 1 2 4 MILES
0 1 2 4 KILOMETERS

This work is preliminary and is subject to revision. It is being provided to fulfill the need for timely best science information. The assessment is provided on the condition that neither the U.S. Geological Survey nor the U.S. Government may be held liable for any damages resulting from the authorized or unauthorized use of the assessment.

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Projection is North American Datum of 1983, Universal Transverse Mercator coordinate system Zone 11 North.

Basemap Credit: National Geographic, Esri, DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, IPC