



U.S. Geological Survey
Department of the Interior

Estimated Volume (m^3) of Post-Fire Debris Flows in response to a 25-year, 1-hour storm (22 mm) in the 2013 Beaver Creek Burn Area near Hailey, Central Idaho

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2013

OPEN-FILE REPORT 2013-1273
Volume Map for 25-Year 1-Hour Storm -- Plate 8

Skinner, K. D., 2013, Post-Fire Debris-Flow Hazard Assessment of the Area Burned by the 2013 Beaver Creek Fire near Hailey, Central Idaho

EXPLANATION

Estimated volume (m^3) of a debris flow in response to a 25-year, 1-hour storm (22 mm) based on the National Oceanic and Atmospheric Administration's precipitation estimates (basin outlet labels are identified in table 1).

- Basin outlet
- Watershed boundary
- Beaver Creek Fire Boundary
- Drainages that exceeded the basin area for which the model was developed but can still be impacted by upstream debris flows.

Volume, in cubic meters	
Stream segment	Selected basin
— <= 5,000	 <= 5,000
— > 5,000 to 10,000	 > 5,000 to 10,000
— > 10,000 to 25,000	 > 10,000 to 25,000
— > 25,000 to 100,000	 > 25,000 to 100,000
— > 100,000	 > 100,000

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.

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

Base from U.S. Geological Survey digital data 30 m shaded relief, 2002, digital raster graphics, 2002, and 1:24,000 hydrography, 2007.

0 1 2 3 4 Miles

0 1 2 3 4 Kilometers

