

# Estimated Volume (m<sup>3</sup>) of Post-Fire Debris Flows in response to a 10-year, 1-hour storm (19 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 10-Year 1-Hour Storm -- Plate 5

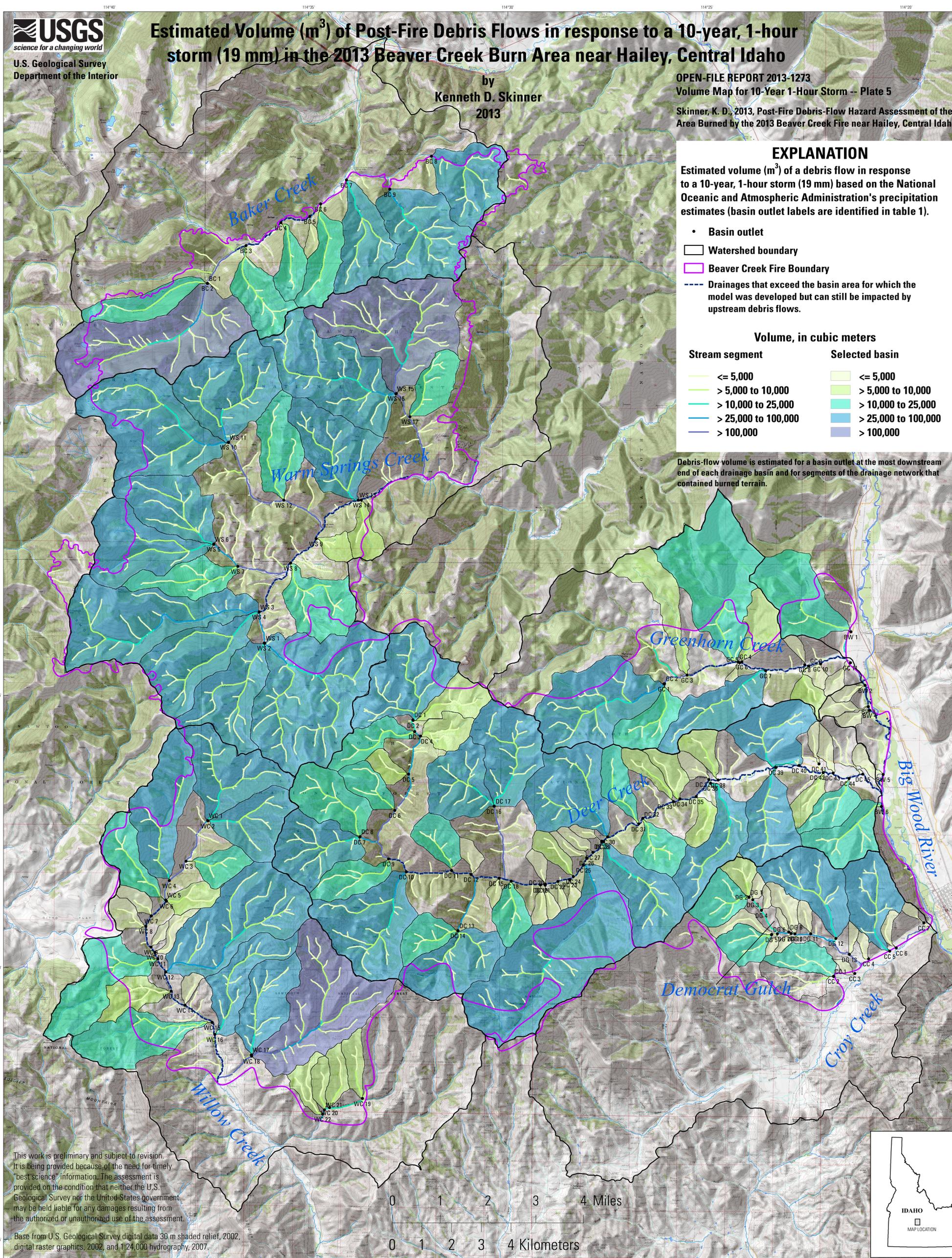
Skinner, K. D., 2013, Post-Fire Debris-Flow Hazard Assessment of the Area Burned by the 2013 Beaver Creek Fire near Hailey, Central Idaho

## EXPLANATION

Estimated volume (m<sup>3</sup>) of a debris flow in response to a 10-year, 1-hour storm (19 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        |
| Lightest Green          | Lightest Green        |
| Light Green             | Light Green           |
| Medium Green            | Medium Green          |
| Dark Green              | Dark Green            |
| Blue-Green              | Blue-Green            |
| Dark Blue               | Dark Blue             |
| Lightest Yellow-Green   | Lightest Yellow-Green |
| Light Yellow-Green      | Light Yellow-Green    |
| Yellow-Green            | Yellow-Green          |
| Yellow                  | Yellow                |
| Lightest Yellow         | Lightest Yellow       |
| Light Yellow            | Light Yellow          |
| Yellow                  | Yellow                |
| Lightest Green          | Lightest Green        |
| Light Green             | Light Green           |
| Medium Green            | Medium Green          |
| Dark Green              | Dark Green            |
| Blue-Green              | Blue-Green            |
| Dark Blue               | Dark Blue             |

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.

