

Prepared in cooperation with Blaine County, Idaho

USGS Flood and Debris-Flow Hazards: Tools for Blaine County, ID

USGS National Water Information System (NWIS): Water Data for Idaho

Detailed current and historical water data: <http://waterdata.usgs.gov/id/nwis/>

Provides access to water-resources data collected at sites in Idaho and across the nation.

To see data related to the 2013 Blaine County debris-flow hazard assessment, click **Current Conditions**. In the **Predefined displays** menu, select **Beaver Creek Fire Precipitation Network** and click **go**.

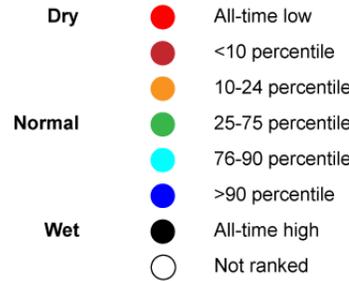


USGS WaterWatch

Current streamflow at a glance: <http://waterwatch.usgs.gov/>

Displays maps, graphs, and tables describing current, recent, and past streamflow conditions for Idaho including locations of flooding and drought.

Select USGS streamgaging stations to view more detailed summary information such as hydrographs showing peak, forecast, and rating data.



Mobile Tools for "Real-Time" Data

Personalized water data sent to your e-mail inbox or mobile phone

USGS WaterNow

<http://water.usgs.gov/waternow/>

Get current water data sent directly to your mobile phone or e-mail inbox, on-demand.

Send an e-mail or SMS text message to WaterNow@usgs.gov. In the subject line, enter the USGS gage site number and "?". You will receive a message that includes all available data for that site.

USGS WaterAlert

<http://water.usgs.gov/wateralert/>

Concerned that a river near you might flood? Sign up to get the current water data that you care most about sent to your mobile phone or e-mail inbox.

From the WaterAlert map, search for a USGS gage site by number (right). Click the site icon and click **Subscribe to WaterAlert**. Use the **Subscription Form** to customize how and when you receive alerts.

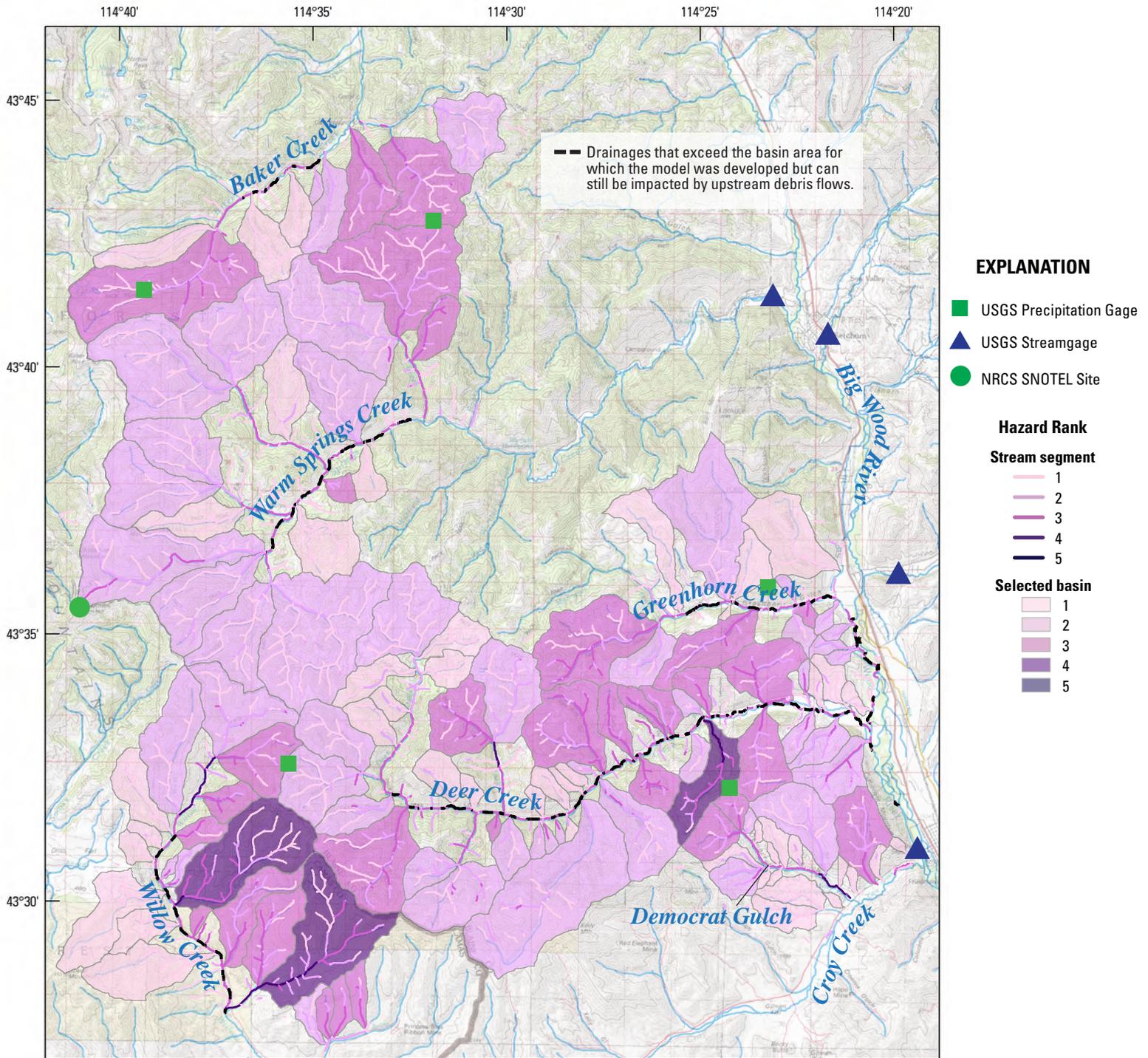
Selected Precipitation Sites:

- 432932114315300: Upper Deep Creek, near Hailey
 - 433212114235900: Croy Creek, near Hailey, ID
 - 433608114402800: Dollarhide Summit, near Hailey
 - 433644114231300: Greenhorn Gulch, near Hailey
 - 434125114392100: Baker Lake, near Sawtooth NRA HQ
 - 434248114315600: Upper Thompson Creek, near Ketchum
- Parameter code: 00045**

Selected Streamflow Sites:

- 13135500: Big Wood River, near Ketchum
 - 13137000: North Fork Big Wood River, near Sawtooth NRA HQ
 - 13137500: Warm Springs Creek, near Ketchum
 - 13138000: East Fork Big Wood River, at Gimlet
 - 13139510: Big Wood River, at Hailey
 - 13140800: Big Wood River, at Stanton Crossing near Bellevue
- Parameter codes: 00060: streamflow (ft³/s), 00065: stage (ft)**

Estimated Hazard of a Post-Fire Debris Flow in Response to a 25-year, 1-hour Storm (0.87 in)



In August 2013, the Beaver Creek wildfire burned more than 100,000 acres of public and private land northwest of Hailey, Idaho; about 57 percent of the area is considered moderately burned, and the risk of post-fire soil erosion is high on more than 8,400 acres (U.S. Forest Service).

In cooperation with Blaine County, the U.S. Geological Survey (USGS) developed a model to estimate the probability of occurrence, volume, and a combined hazard ranking of debris flows in the burned area. This model uses topographic, soil, burn severity, and storm (rainfall) intensity variables to estimate the probability and volume of debris flows for three storm events. The probability and volume estimates are ranked and combined to estimate a relative hazard ranking for debris flows. Learn more: <http://on.doi.gov/Of7E8t>

Contacts

U.S. Geological Survey
 Idaho Water Science Center
 230 Collins Road, Boise ID, 83702
<http://id.water.usgs.gov>
 208-387-1300 (p)
 208-387-1372 (f)

Director: Michael Lewis, mlewis@usgs.gov
 Hydrologic Data Chief: David Evetts, devetts@usgs.gov
 Principal Investigator: Kenneth Skinner, kskinner@usgs.gov