



EXPLANATION

References for each point and polygon are provided by the bibliography for each state and in the digital data layers for the inventory map.

Locations Reported in Literature

- Location of debris flow(s) or related fast-moving landslide(s).
- Approximate location of debris flow(s) or related fast-moving landslide(s).
- Area with many or several debris flow(s) or related fast-moving landslide(s).
- 7.5 minute quadrangle containing one to several hundred debris flow(s) or related fast-moving landslide(s).
- Identification as debris flow(s) or related fast-moving landslide(s) uncertain.
- Approximate location and uncertain identification of debris flow(s) or related fast-moving landslide(s).
- ◆ Location of debris flow(s) or related fast-moving landslide(s) specific only by county.
- ◇ Identification of debris flow(s) or related fast-moving landslide(s) uncertain and specific only by county.

Locations From Field Investigations

- ▲ Location of debris flow(s) or related fast-moving landslide(s).
- △ Approximate location of debris flow(s) or related fast-moving landslide(s).

Susceptibility

- General areas susceptible to debris flows as modeled from NOAA 30-second digital elevation data.

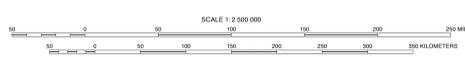
Bodies of Water

- Perennial lakes, reservoirs, and rivers
- Non-perennial water bodies
- Glaciers

Base map layers (hydrology, county and state boundaries) from the digital National Atlas of the United States, scale 1:2,000,000. <http://www.natl.usgs.gov/atlant/atl.html>
Lambert conic projection, center of projection 100 west, 45 north. Shaded relief base map made by Joseph Colgan in ARC/INFO, using NOAA 30 arc-second digital elevation data available online at <http://www.ngdc.noaa.gov/NSF/data/glaciers/1104.html>



This map was printed on an electronic jobber directly from digital files. Dimensional calibration may vary between electronic plates, and between "hard" reproductions on the same plate. And paper may change size due to atmospheric conditions. Further scale and projection may not be true in parts of the map.
For sale by U.S. Geological Survey, Map Distribution, Box 2020M, Federal Center, Denver, CO 80225, 1-888-ASIS-USGS
Available on the World Wide Web at: <http://pubsprod.er.usgs.gov/mapview/0239/>



MAP SHOWING INVENTORY AND REGIONAL SUSCEPTIBILITY FOR HOLOCENE DEBRIS FLOWS AND RELATED FAST-MOVING LANDSLIDES IN THE CONTERMINOUS UNITED STATES

By
Earl E. Brabb, Joseph P. Colgan, and Timothy C. Best

1999

Digital database by Joseph P. Colgan, Andrew D. Barron, Michael Sinor, and Joanne Vinton