

README_County_Geology_and_Hazard_Maps_of_Idaho.pdf

Version 6.2011.1

This database consists of the following for each of Idaho's 44 counties:

1. geological maps with unit descriptions and explanations
2. slope maps
3. seismic hazard maps.

The geological data are from a new 1:750,000-scale statewide geologic map of Idaho (Lewis, Link, Stanford, and Long, in press, Geologic map of Idaho: Idaho Geological Survey, 1 plate, scale 1:750,000). A map showing sources of geologic information is also included. The slope maps are derived from USGS 10-m digital elevation models. Slopes are divided into 10° increments. The maps are useful for defining areas subject to various forms of mass wasting. The seismic hazard maps show historical earthquake epicenters and magnitudes, faults with documented activity during the past 15,000 years, and contours of probabilistic spectral acceleration at 1 Hz and 5 Hz. The epicenters are from the ANSS Composite Earthquake Catalog (<http://quake.geo.berkeley.edu/cnss/>). Faults are from the USGS Quaternary Fold and Fault Database (<http://earthquake.usgs.gov/hazards/qfaults/>). The probabilistic ground motion data are from the 2008 National Seismic Hazard Map Gridded Data (<http://earthquake.usgs.gov/hazards/products/conterminous/2008/data/>).

Files included are:

1. Images of all maps in PDF format
2. GIS data for all maps and base maps in ESRI ArcMap 9.3 format
3. Metadata files (html files are best viewed with Internet Explorer).

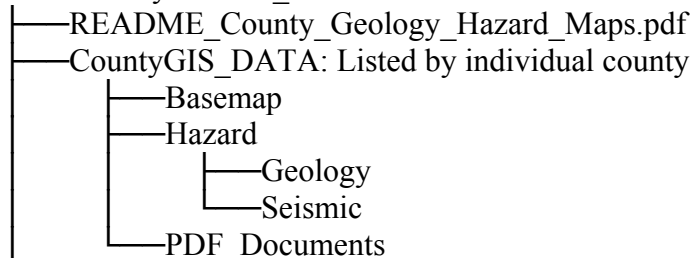
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WHERE TO FIND DATA:

Data files are organized into folders. All files are available for free download on the Idaho Geological Survey website www.idahogeology.org as **Digital Database 4, County Geology and Hazard Maps of Idaho.**

FILE ORGANIZATION:

IdahoCountyHazards_IGS-DD-4



- CountyHazardsMetadata: Html files best viewed with Internet Explorer
- GeologicMapSources: Sources of geologic mapping and other references
- PDF_Documents: Map images listed by groups of counties
 - CountyGeologyAda-Fremont
 - CountyGeologyGem-Washington
 - CountySeismic1Hz
 - CountySeismic5Hz
 - CountySlopeAda-Fremont
 - CountySlopeGem-Washington
 - IndexToGeologicMapSources
- CountyHazard_SlopeGIS: Listed by individual county