

Faults, Thermal Waters & Seismicity Module Information

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Additional Sources of Earthquake Information:

Borah Peak Earthquake

Idaho Geological Survey, GeoNote No.

Earthquake Safety

Idaho Geological Survey, GeoNote No. 10

Preliminary Neotectonic Map of Idaho

A.P. Hilt, R.M. Breckenridge, and K.F. Sprenke

Idaho Geological Survey, Technical Report 94-1, 1994

Seismic Intensities in Idaho

K.F. Sprenke and R.M. Breckenridge

Idaho Geological Survey, Information Circular 50, 1992

List of Idaho Earthquakes, 1872-1983

R.M. Breckenridge, K.F. Sprenke, and B.A. Stryhas

Idaho Geological Survey, Technical Report 84-1, 1984

Catalog of Idaho Earthquakes, 1872-1994

A.P. Hilt, R.M. Breckenridge, and K.F. Sprenke

Idaho Geological Survey, Information Circular 56, 1995

Geologic Interpretation of a Trench Excavation Near Arco Hills

R.M. Breckenridge and K.L. Othberg

Idaho Geological Survey, Technical Report 91-2, 1991

The Draney Peak Earthquake Sequence, Southeastern Caribou County, January, 1994

K.F. Sprenke, M.C. Stickney, and R.M. Breckenridge

Idaho Geological Survey, Staff Report 94-2, 1994

The Hoyt Mountain Earthquakes, Shoshone County, March, 1994

K.F. Sprenke, M.C. Stickney, and R.M. Breckenridge

Idaho Geological Survey, Staff Report 94-4, 1994

Idaho Earthquakes - Student Activities:

Student Activities for Studying Earthquakes in Elementary Schools

B.K. Peterson and K.L. Othberg

K.F. Sprenke, M.C. Stickney, and R.M. Breckenridge

Idaho Geological Survey, Staff Report 95-1, 1995

Student Activities for Studying Earthquakes in Secondary Schools

B.K. Peterson and K.L. Othberg

K.F. Sprenke, M.C. Stickney, and R.M. Breckenridge

Idaho Geological Survey, Staff Report 95-2, 1995

Idaho Digital Information

The Idaho Department of Water Resources maintains the Idaho Geographic Information Center (IGIC), which is the designated state center for remote sensing and geographic information systems (GIS) information and data. The IGIC maintains a web site from which various types of GIS data are available at no charge. Their web site is at <http://www.idwr.state.id.us/gisdata/>

Other Geological Digital Information and Software

A geo-information web site with links to many useful geological and GIS data web sites, images, and earth science software, including the earthquake data and viewing software, SeismicIII is located at http://corona.eps.pitt.edu/www_GPS/facilities/dynamic_earth.html

Publication Ordering Information

Publications on Idaho earthquakes, as well as many others, can be ordered through the Publication Office of the Idaho Geological Survey, Morrill Hall, University of Idaho, Moscow, ID 83843-3014. Phone: (208) 885-7991 or e-mail: igs@uidaho.edu. A list of the publications and maps that are available through the Publication Office can be found at http://www.uidaho.edu/igs/igs_pub/igs_pub.html

For information on earth science teacher workshops, more on Idaho earthquakes, and all things "ge-Idaho-logical", visit the Idaho Geological at <http://www.uidaho.edu/igs/igs.html>

Credits for Module:

We gratefully acknowledge the assistance of Roy Breckenridge and Kurt Othberg, Idaho Geological Survey, for access to the Idaho earthquake database, for technical assistance with the use of the data, and for the use of teaching activities and material from published reports.

Data Credits:

Idaho Geology: J.G. Bond, Geologic Map of Idaho, 1:500,000 scale, 1978; digitized by Idaho Department of Water Resources; this map's accuracy is limited due to the level of generalization inherent at this scale; it generalizes the geographic distribution of major groups of different rock types, and their areas.

Figure 1, 2: simplified from Idaho Geology map

Figure 3: geologic provinces digitized from Idaho Geological Survey Staff Report 95-2

Figure 4: Quaternary faults digitized by Idaho Department of Water Resources; Holocene faults from Idaho Geological Survey Technical Report 94-1

Figure 5: Thermal wells and springs digitized by Idaho Department of Water Resources

Figure 6: Earthquake data from Idaho Geological Survey Information Circular I-56

Figure 7 and Activity 4: from Idaho Geological Survey Staff Report 95-2

Figure 8: from Idaho Geological Survey Staff Report 95-2

Recommended Review Material:

Chapter 2 of Rocks, Rails and Trails: Introduction to the Geology of South and East Idaho

Additional Sources of Earthquake Information and Activities

Basic Concepts Module: Understanding Earthquake Basics