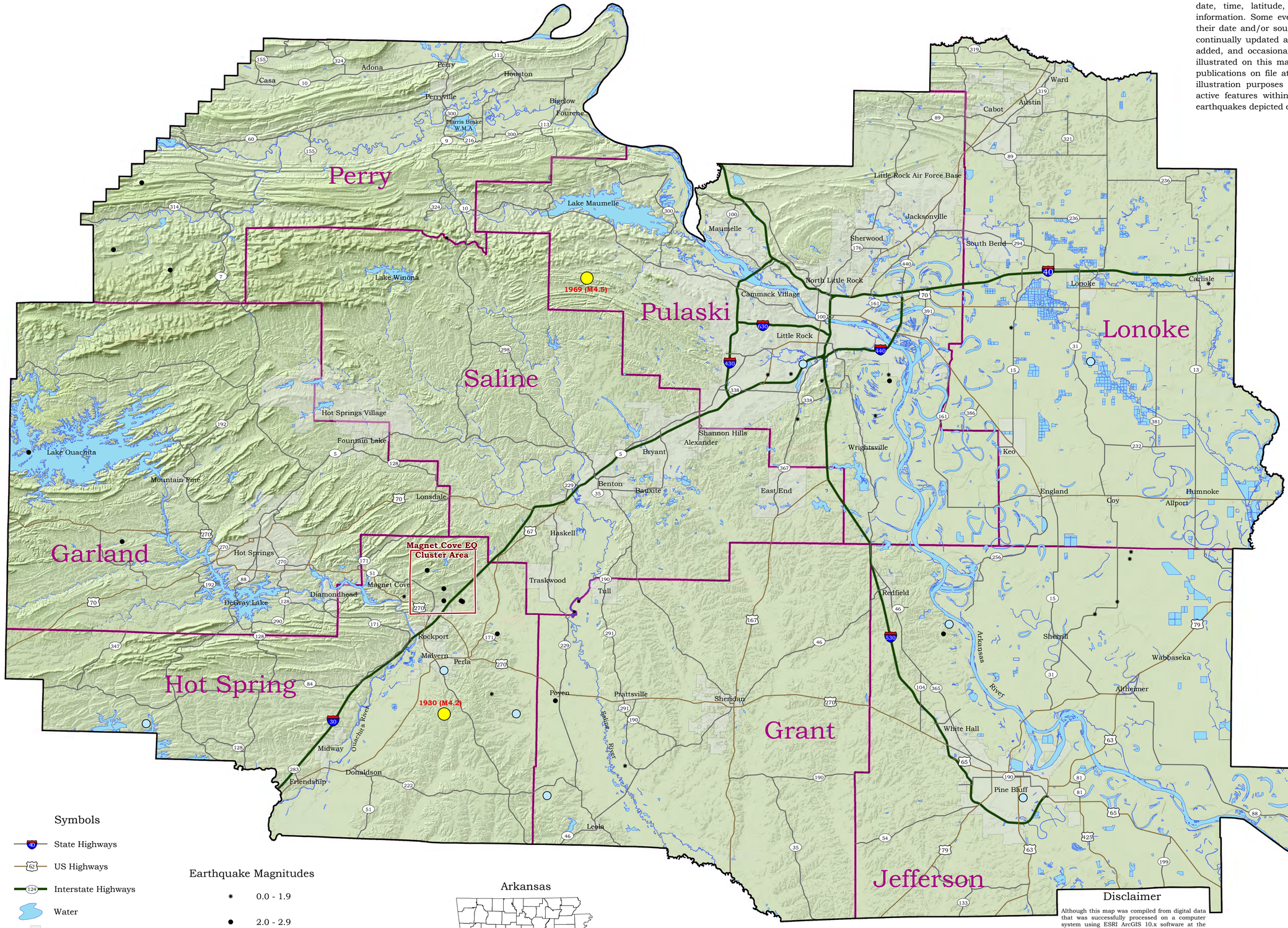
Arkansas Geological Survey
Bekki White, Director and State Geologist

Seismicity of South-Central Arkansas

About the Map

This map illustrates the location and magnitude of reported earthquakes that have occurred in south-central Arkansas from 1930 to 2009. The data source for the earthquakes depicted on this map was derived from the Arkansas Geological Survey (AGS) earthquake catalog. This catalog has been compiled from various sources and publications and includes date, time, latitude, longitude, magnitude or intensity and depth information. Some event records may contain incomplete data due to their date and/or source. The AGS earthquake catalog is dynamic and continually updated as event parameters are modified, new events are added, and occasionally, events are deleted. The seismic areas/zones, illustrated on this map are derived from various geologic sources and publications on file at the AGS. Depicted seismic areas/zones, are for illustration purposes only and may not represent all the seismically active features within a given location or relate to the origin of the earthquakes depicted on this map.



References

Advanced National Seismic System (ANSS) earthquake database web page: URL: http://earthquake.usgs.gov/monitoring/anss/

Arkansas Gazette newspaper (Ceased publication in 1991).

Center for Earthquake Research and Information (CERI) - New Madrid Earthquake Catalog: URL: http://folkworm.ceri.memphis.edu/catalogs/html/cat_nm.html

Jackson, K.C.,1979, Earthquakes and earthquake history of Arkansas, Arkansas Geological Commission (AGC) Information Circular 26, 70 p.

National Earthquake Information Center (NEIC) – Preliminary Determination of Epicenters (PDE) earthquake catalog for M2.5 and greater U.S. earthquakes and M4.5 and greater Worldwide earthquakes. URL: http://earthquake.usgs.gov/earthquakes/eqarchives/epic/

St. Louis University (SLU) Earthquake Center web page: URL: http://www.eas.slu.edu/eqc/

United States Geological Survey USGS) Earthquake Notification Service (ENS).

The basemap was acquired at the Spatial Analysis Laboratory, University of Arkansas at Monticello. The Feature Class Data was acquired at http://www.geostor.arkansas.gov

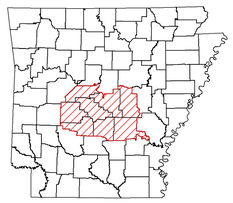
Symbols

- State Highways
- US Highways
- Interstate Highways
- Water
- Incorporated Areas
- Seismic Areas/Zones

Earthquake Magnitudes

- 0.0 - 1.9
- 2.0 - 2.9
- 3.0 - 3.9
- 4.0 - 4.9

Arkansas



Miles: 10 5 0 10

Kilometers: 10 5 0 10

N

Disclaimer

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