



# Calhoun County Seismicity Map

## About the Map

This map illustrates the location and magnitude of reported earthquakes that have occurred in Calhoun County, Arkansas from 1699 to 2024. The data source for the earthquakes depicted on this map is derived from the Office of the State Geologist (OSG) earthquake catalog. The 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 OSG earthquake catalog is dynamic and continually updated as event parameters are modified, new events are added, and occasionally, events are deleted.

## Earthquake Magnitudes

No Earthquakes Recorded In This County

## 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](http://folkworm.ceri.memphis.edu/catalogs/html/cat_nm.html)

Cox, R. T., 1991, Possible triggering of earthquakes by underground waste disposal in the El Dorado, Arkansas area: Seismological Research Letters, V. 62, N. 2, p.113-122.

Cox, R.T., 2010, Holocene faulting and liquefaction along the southern margin of the North American craton (Alabama-Oklahoma transform): National Earthquake Hazard Reduction Program, Final Technical Report No. G09AP00015, U.S. Geological Survey, Reston, VA, 30 p.

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

Nuttli, O.W., 1979, The seismicity of the central United States, in geology in the siting of nuclear power plants: Geological Society of America, Reviews in Engineering Geology, Volume 4, p. 67-93.

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

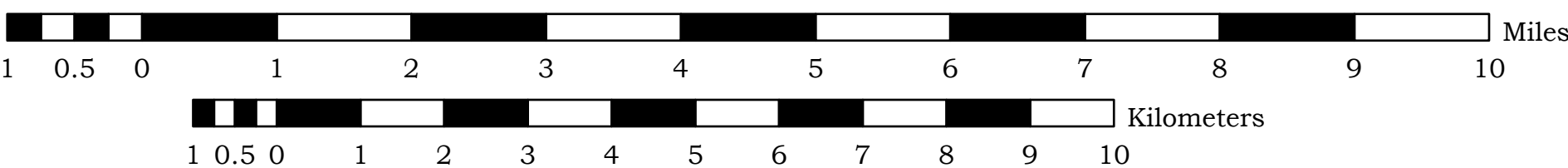
The 1M Multidirectional Hillshade or Digital Slope Model base used in the making of this map was created by the Office of the State Geologist (OSG) using the 1meter Lidar data acquired from the United States Geological Survey (USGS).



Calhoun County (shaded in blue) is located outside the New Madrid seismic zone (NMSZ) catastrophic planning area (shaded in pink), as designated by the Arkansas Department of Emergency Management (ADEM). The New Madrid seismic zone (NMSZ) is shaded in purple.

## Symbols

- US Highways
- State Highways
- Incorporated Areas
- Water



## Disclaimer

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