Office of the State Geologist
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Independence County Seismicity Map

About the Map

This map illustrates the location and magnitude of reported earthquakes that have occurred in Independence County, Arkansas from 1977 to Present. 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. The seismic areas/zones, illustrated on this map are derived from various geologic sources and publications on file at the OSGS. 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.

Cave City
Curia Creek
Poke Bayou
Cushman
Dota Creek
Curia Creek
167
106
Spring Creek
Poke Bayou
394
25
37
Old Curia Creek
233
Batesville
233
Moorefield
Sulphur Rock
122
White River
14
394
233
230
Newark
Magness
2007 (M3.0)
14
White River
69
62
64
Oil Trough
Salado Creek
157
167
87
Departee Creek
Pleasant Plains
Eastern Ozark Dome - Commerce Seismic Zone

Independence County (shaded in blue) is located inside the New Madrid seismic zone (NMSZ) catastrophic planning area (shaded in pink), as designated by the Arkansas Department of Emergency Management (ADEM) and also inside the Eastern Ozark Dome-Commerce Seismic Zone (red box). The NMSZ is shaded in purple.

References

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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).

Earthquake Magnitudes

- 0.0 - 1.9
- 2.0 - 2.9

Symbols

- Multi-Lane US Highways
- US Highways
- State Highways
- Incorporated Areas
- Water
- Seismic Areas / Zones

N

Scale

2 1 0 2 4 6 8 10 Miles

2 1 0 2 4 6 8 10 Kilometers

Disclaimer

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