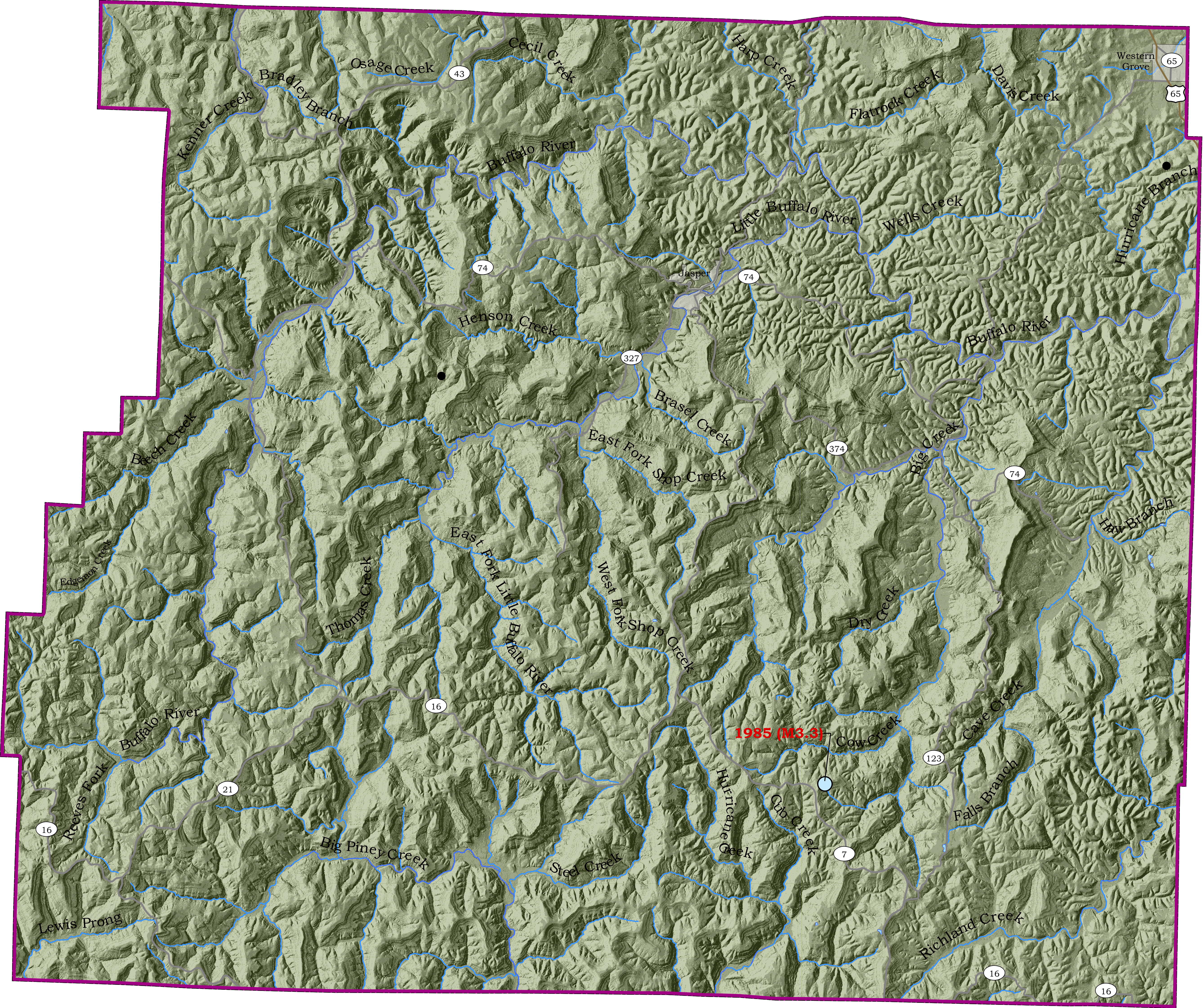




Newton County Seismicity Map



About the Map

This map illustrates the location and magnitude of reported earthquakes that have occurred in Newton County, Arkansas from 1983 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.

References

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

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

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).

Earthquake Magnitudes

- 2.0 - 2.9
- 3.0 - 3.9

Symbol

- US Highways
- State Highways
- Incorporated Areas
- Water



Newton County shaded in blue is located inside the New Madrid Seismic Zone (NMSZ) corresponding to the area shaded in pink, as designated by the Arkansas Department of Emergency Management (ADEM) and also inside the Lower Mississippi River Flood Zone (red line). The NMSZ is shaded in purple.

Disclaimer

Although this map was compiled from digital data that was successfully processed on a computer system using ESRI Pro 3.x software at the Office of the State Geologist (OSG), no warranty, expressed or implied, is made by the OSG regarding the unity of the data on any other system, nor shall the act of distribution constitute any such warranty. The OSG does not guarantee this map or digital data to be free of errors or assume liability for interpretations from this map or digital data, or decisions based thereon.

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12 September 2024	1 : 75,000	Jerry W. Clark	