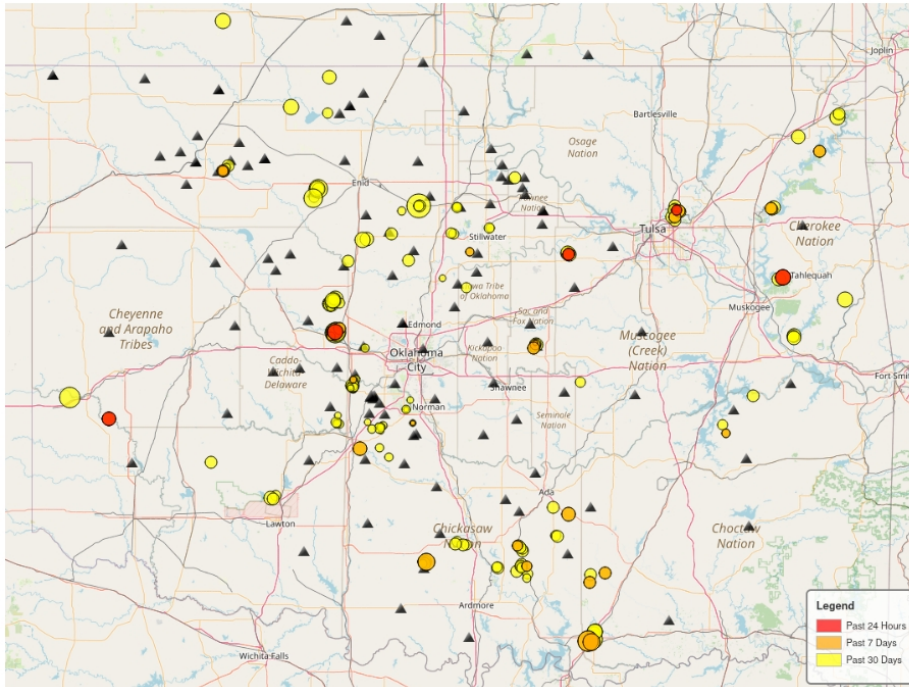




## Oklahoma Seismicity Bulletin, October 2025



Snapshot of earthquake map for October 2025, captured last day of the month. Circles are earthquakes (or quarry blasts, primarily those near Tulsa), triangles are seismic stations. (No seismic activity in the panhandle.) There were 270 Earthquakes this month in the state.

Most active counties this month:

Lincoln: 55 events  
Grady: 40 events  
Canadian: 38 events  
Murray: 17 events  
McClain: 15 events

Magnitude snapshot this month:

2.0-2.9: 10 events  
1.0-1.9: 161 events  
0.0-0.9: 67 events  
negatives: 32 events

For the real time map, visit <https://wichita.ogs.ou.edu/staff/earthquake/events.html>  
USGS version: <https://earthquake.usgs.gov/earthquakes/map/>

### Oklahoma Seismic Network News

The OGS seismic team installed 3 full new stations and upgraded 3 other stations this month. Recent installs were: 9 in September, 8 in August, and 7 in July. This brings the total OGS station count to 144. New installs and upgrades use the newer, OGS owned equipment (not piecemeal or borrowed) and the deeper (8 foot) vault design. No more flooding pickle barrel vaults will be deployed at new installs, and we're replacing them when upgrading existing stations.

A new auger bit and extender had to be ordered for the skid steer after the original began to bend from chewing through too many rock layers (it handles soil wonderfully, but struggles with harder layers).

Seismic team members helped host the OGS educational booth at the Oklahoma Mineral and Gem Society event at the OKC state fairgrounds. Paul is closer to publishing the paper "Hydraulic-fracturing Enhances Wastewater Disposal Seismicity in Eastern Oklahoma" in the Seismological Research Letters.

### OGS Seismic Team

#### Research and Administration:



Jake Walter

Paul Ogware

#### Field Technicians:



Isaac Woelfel

Brandon Mace

#### Analysts:



Andrew Thiel

Nicholas Gregg

For the most current information on earthquakes and other OGS-related news, visit: <https://www.ou.edu/ogs>