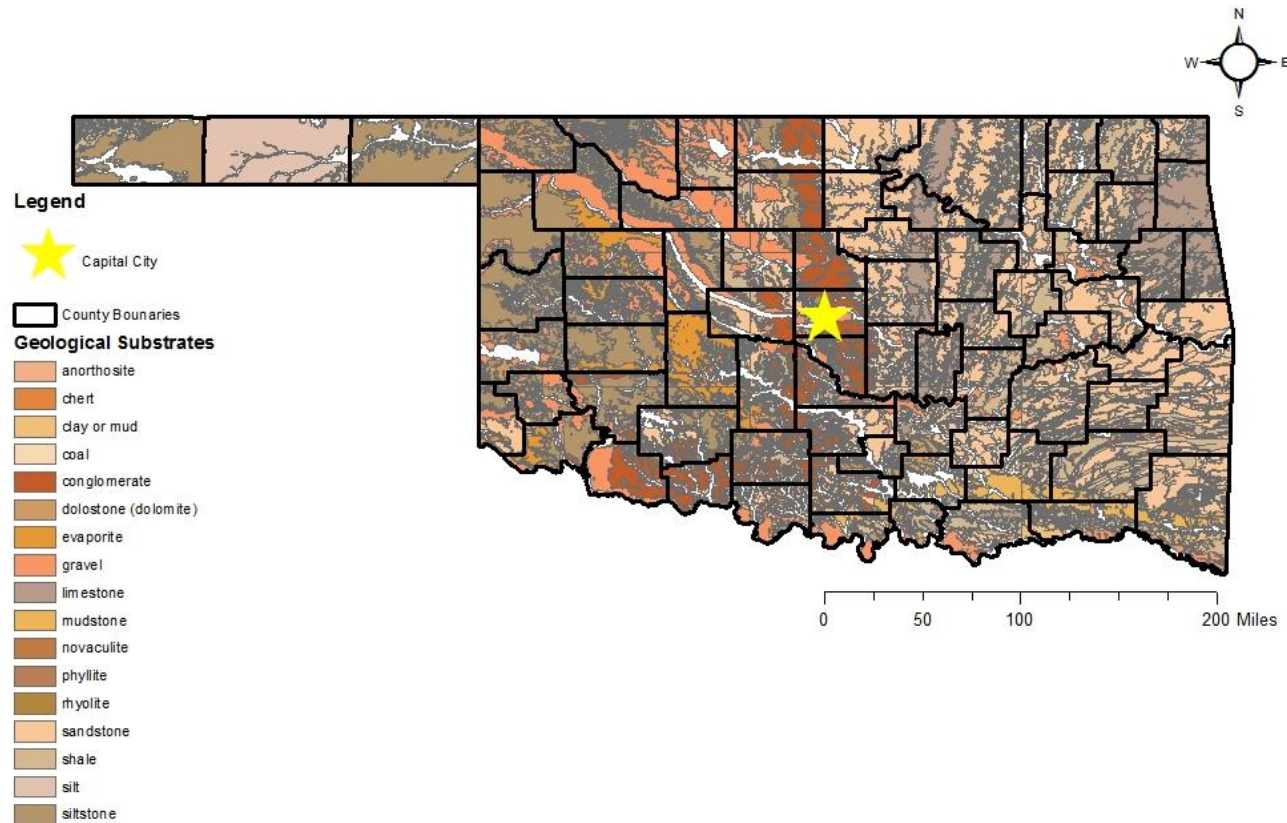


Fracking

Geological Substrates and County Boundaries



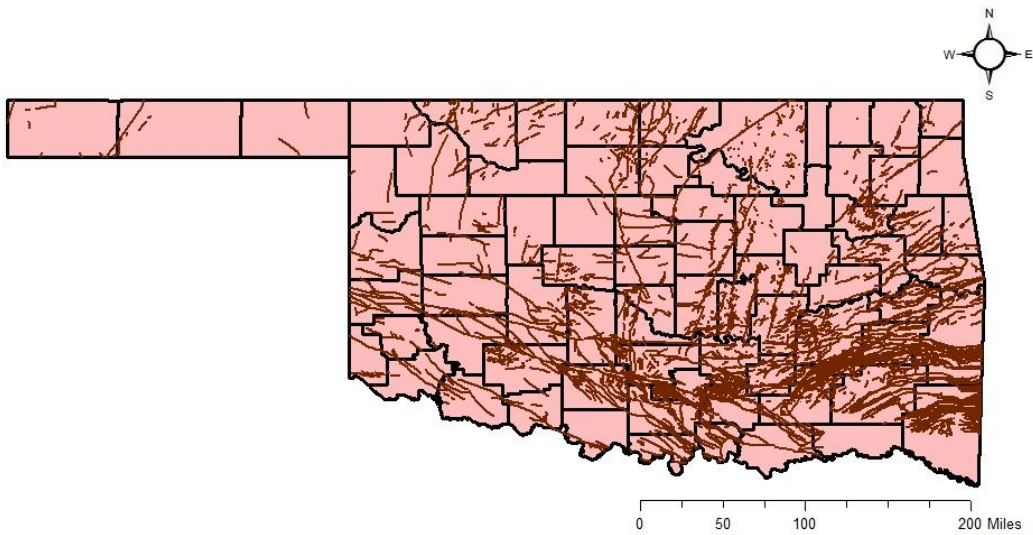
Mapping Attribute:

Used thematic map to symbolize the geological substrate of Oklahoma

Overlay:

County boundaries and Geology

Fault Lines and County Boundaries, Oklahoma



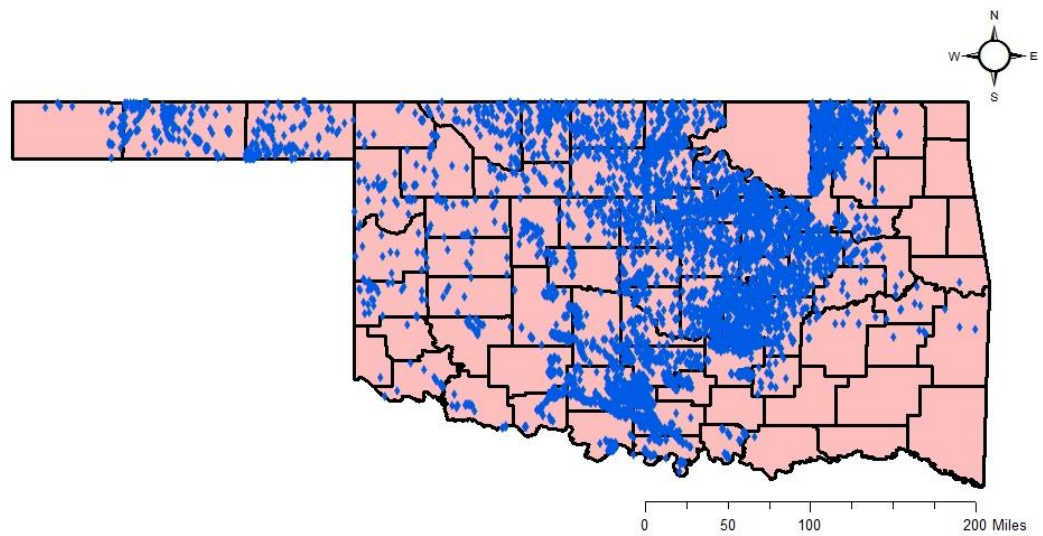
**Legend**

- Fault Lines
- County Boundaries

Overlay:

Fault lines and counties

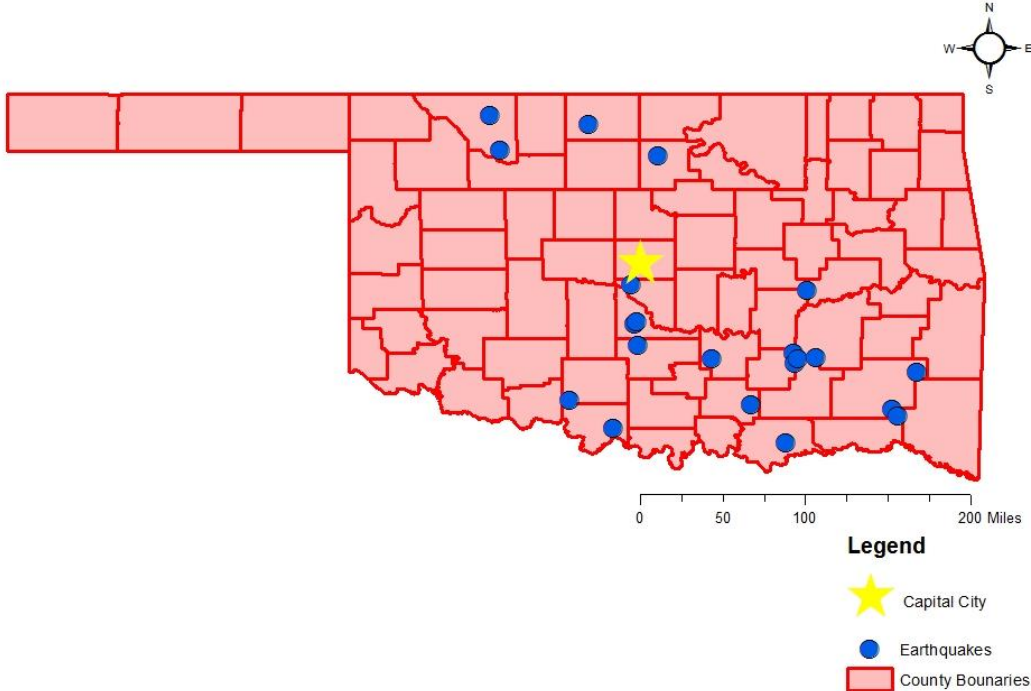
Oklahoma Counties and Fracking Locations



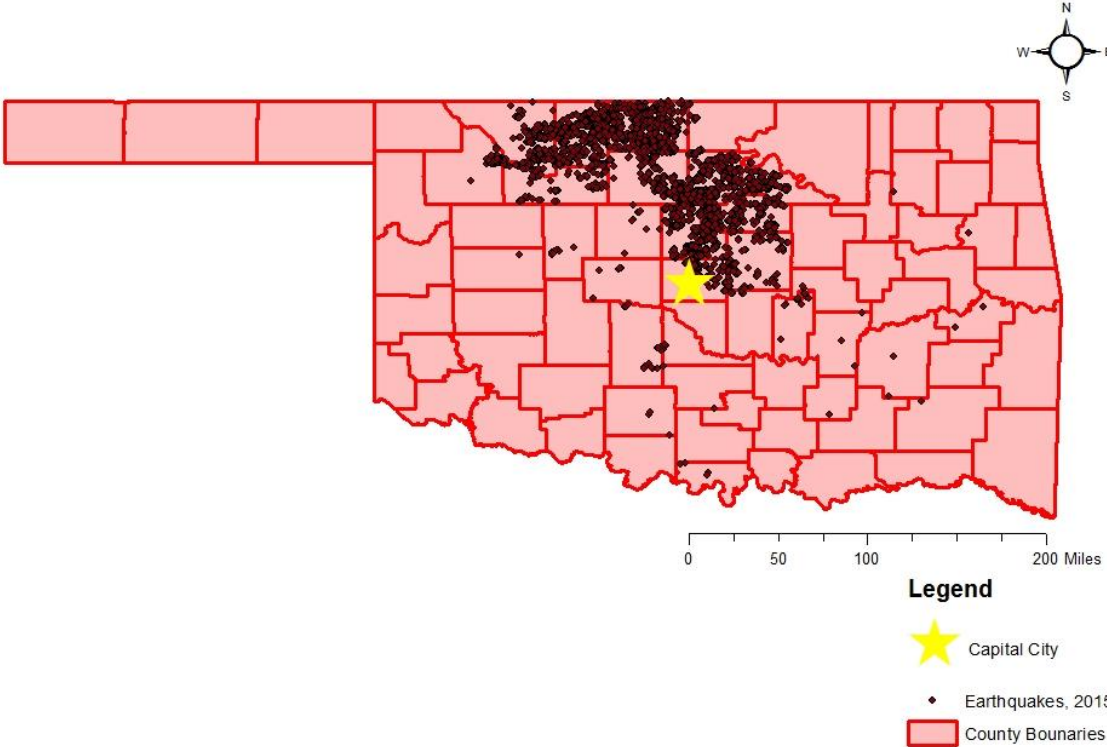
**Legend**

- ♦ Fracking Locations
- County Bounaries

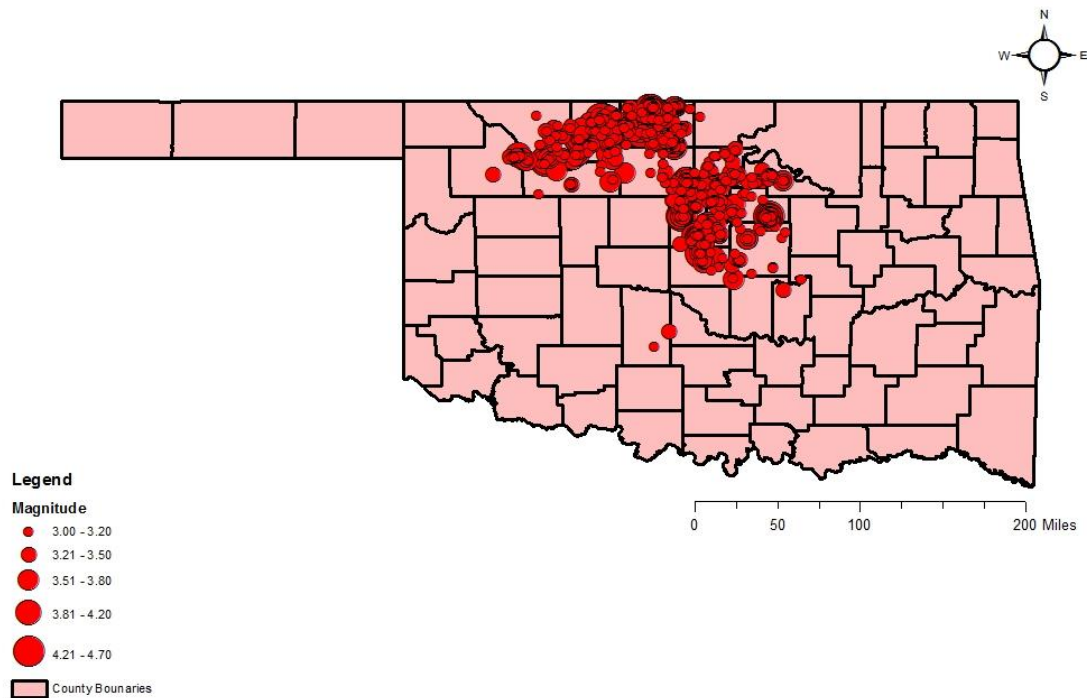
Earthquakes in Oklahoma, 2005



Earthquakes in Oklahoma, 2015



Earthquakes with Magnitude of 3 and Higher, 2015



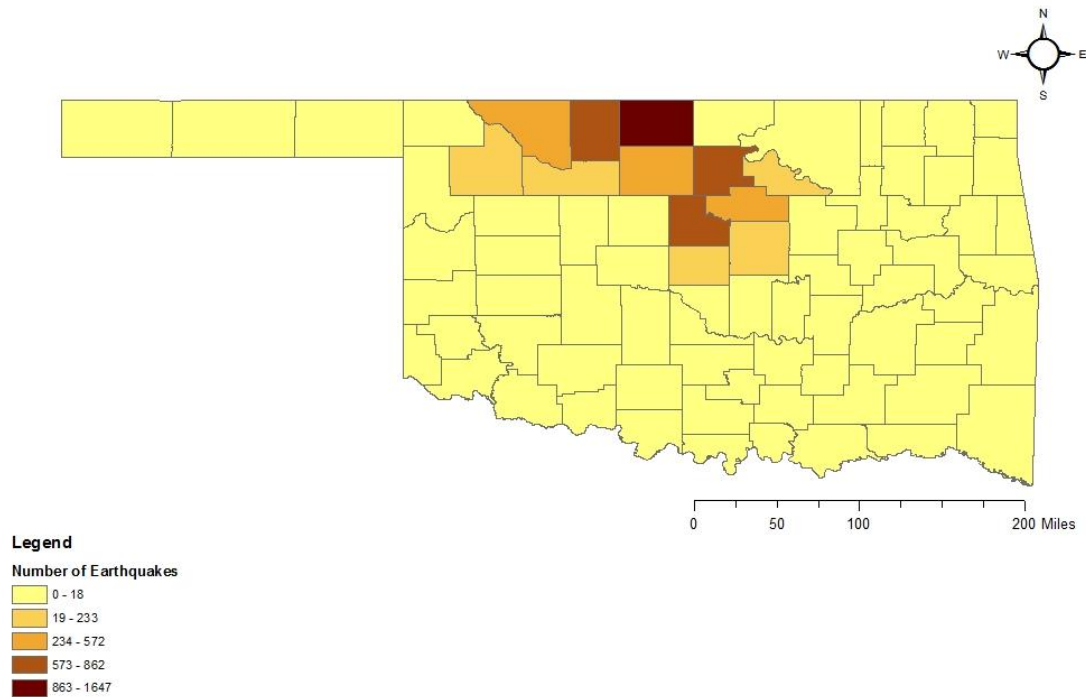
Attribute Selection:

Set up an attribute query to identify earthquakes with a mag of greater than or equal to 3.0

Mapping Attributes:

Proportional symbols to visualize mag

Oklahoma Counties by Earthquake Occurance



Spatial Join:

Joined Counties layer with earthquakes, 2015 layer to create a new shapefile. This spatial join allows us to symbolize counties by amount of earthquakes.