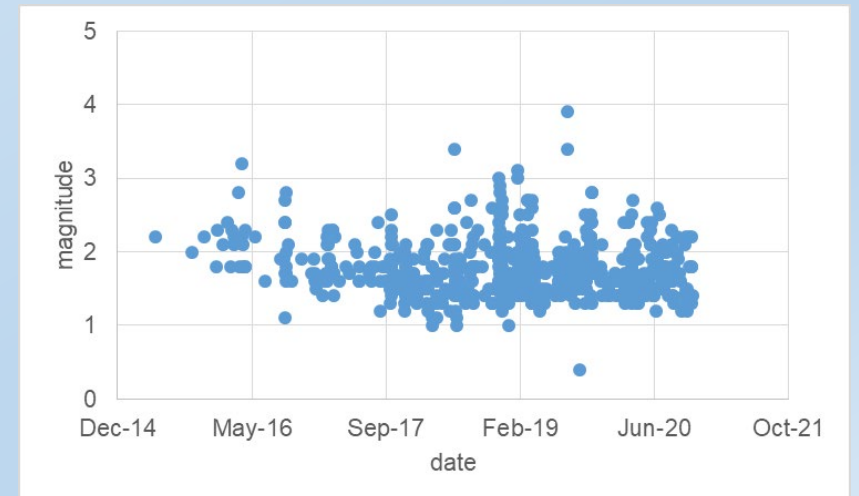
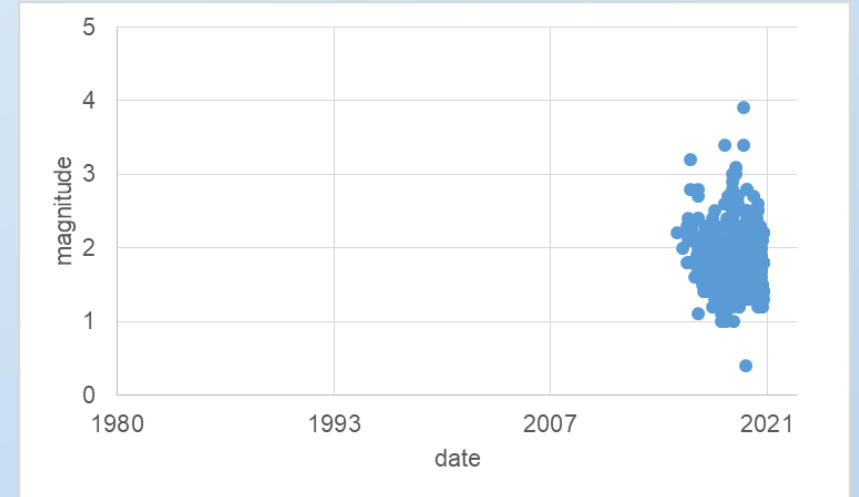
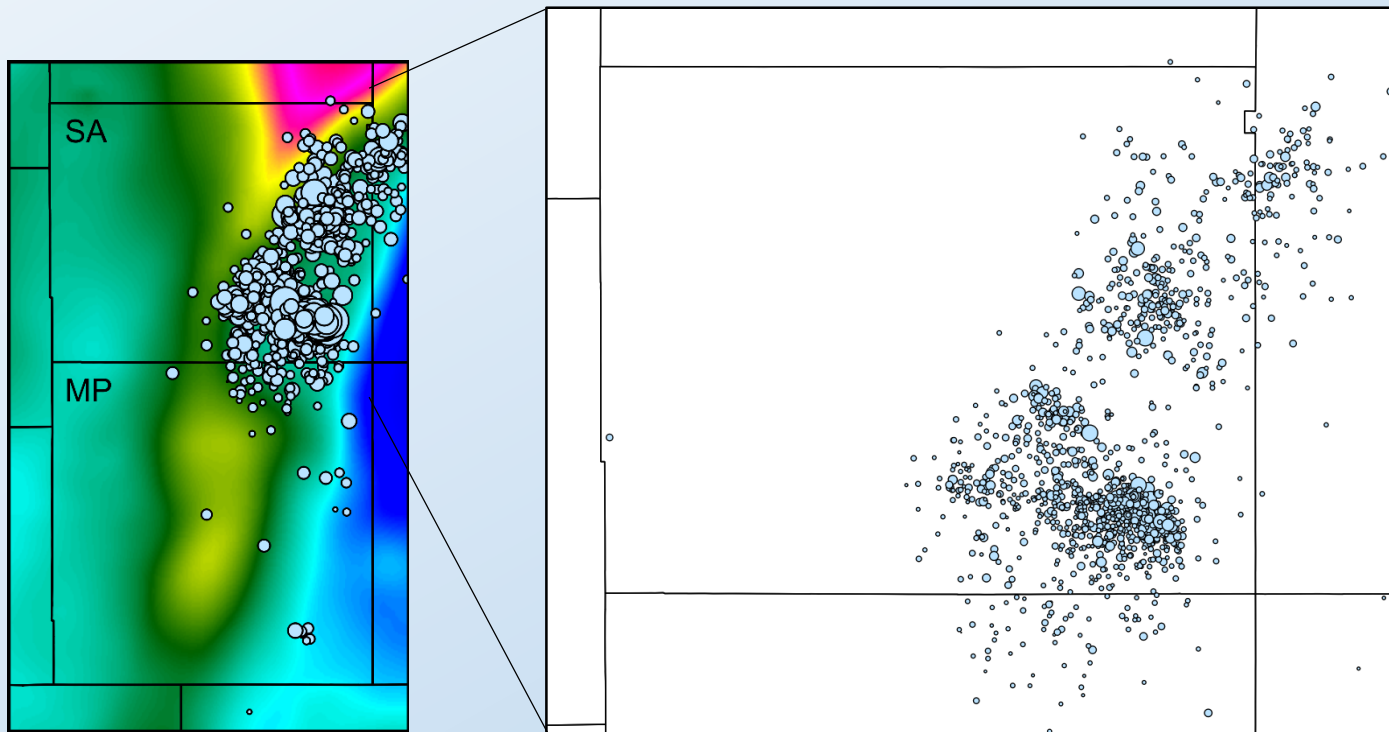
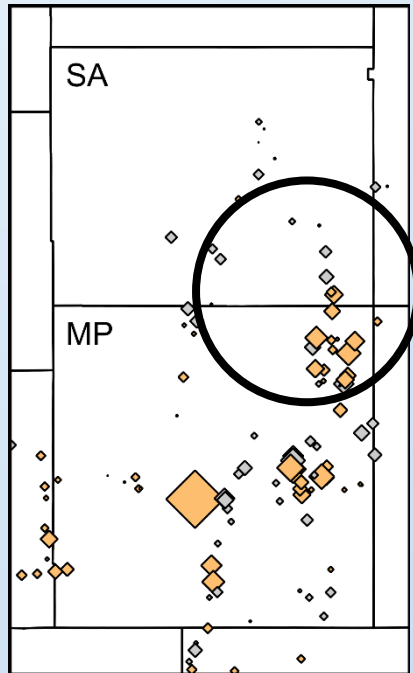


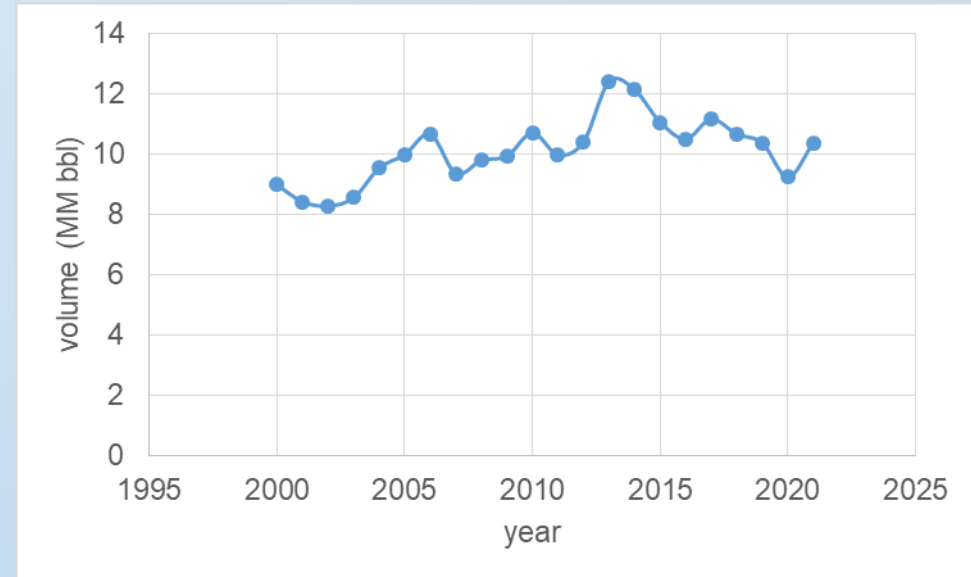
Saline County Earthquakes



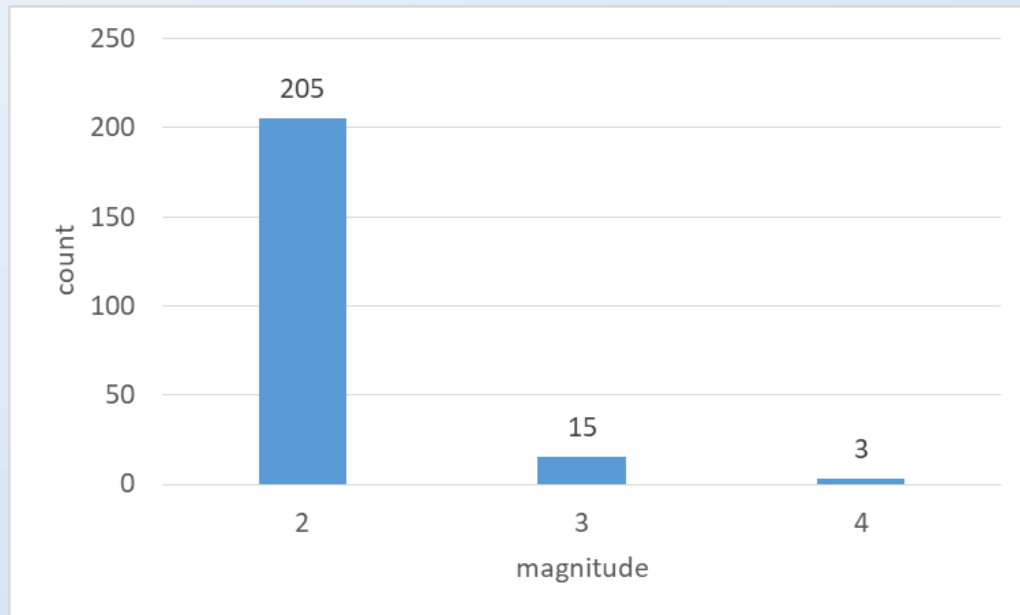
Saline County Disposal



disposal within 15 mi

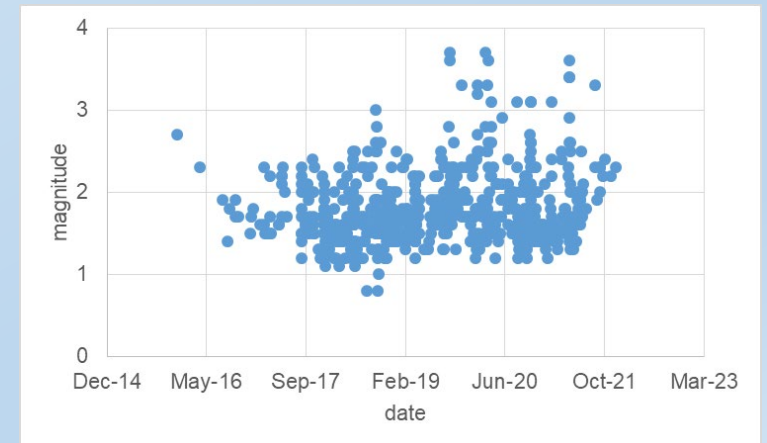
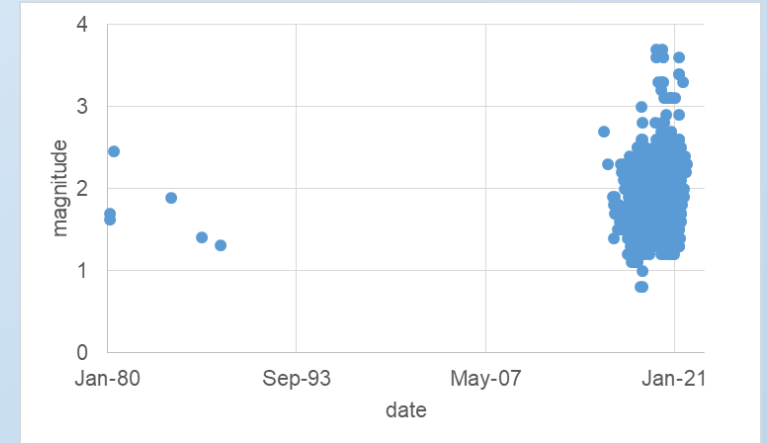
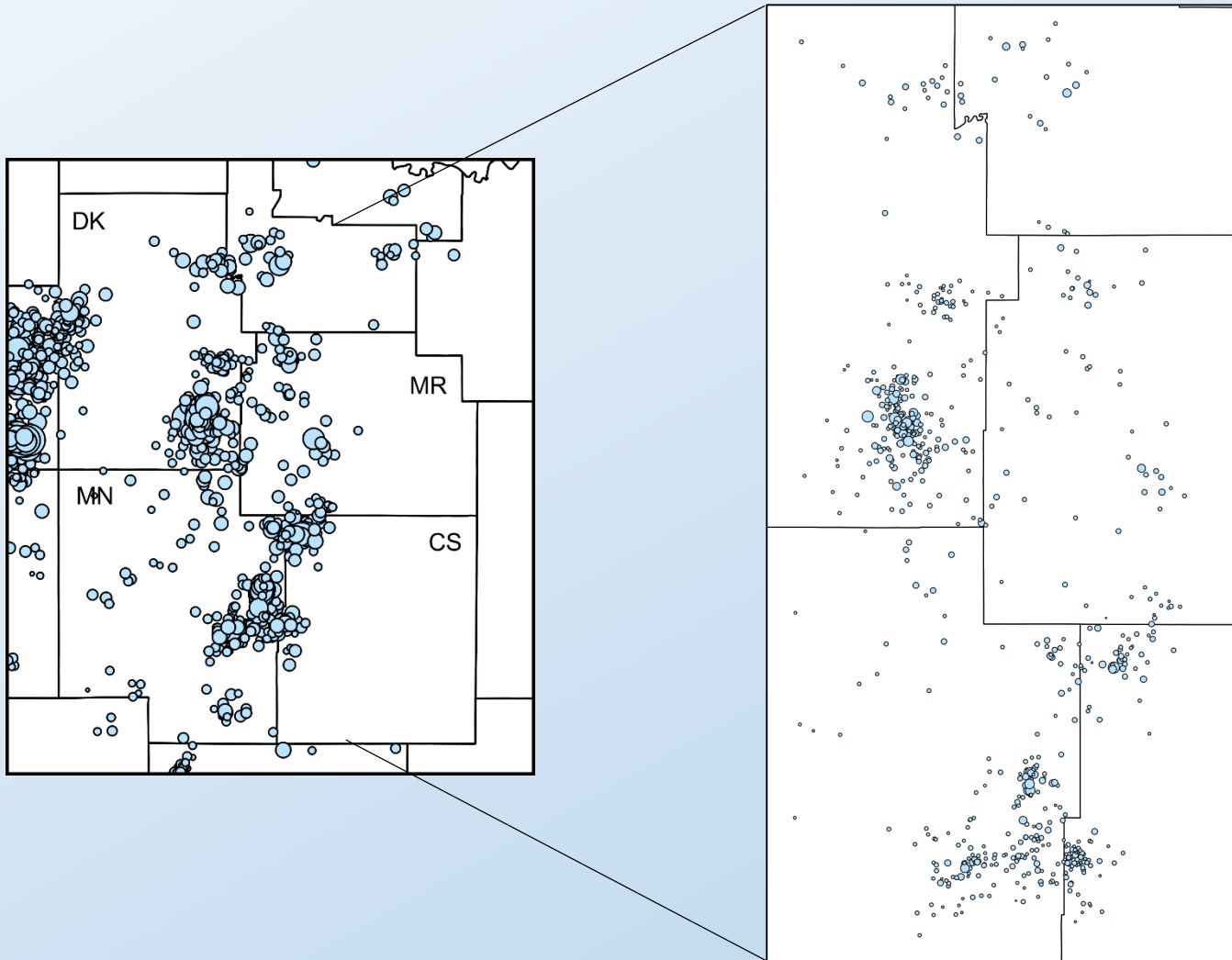


SA Magnitude Distribution

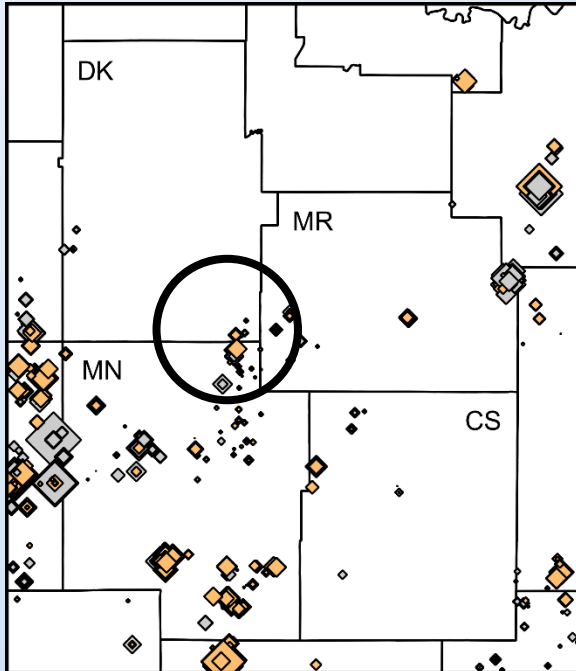


- When could we see an M 5?
- Based on rate of M 3+
 - average 1 M3+ every 12 days
 - b-value = 1....one M 5 for every 100 M 3+
- M 5 within **3 years**
 - statistical, not a prediction
 - requires fault of sufficient size

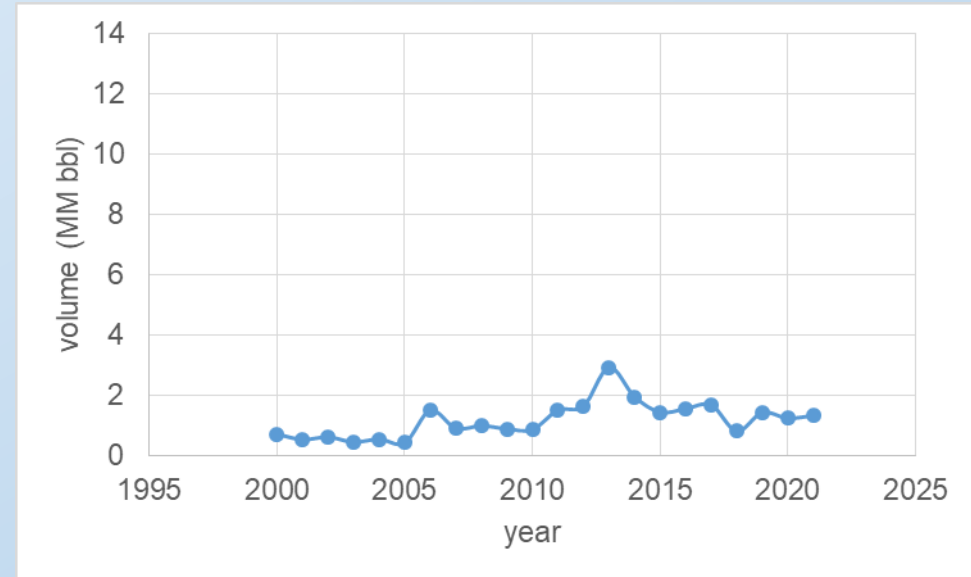
DK, MN, MR, CS Earthquakes



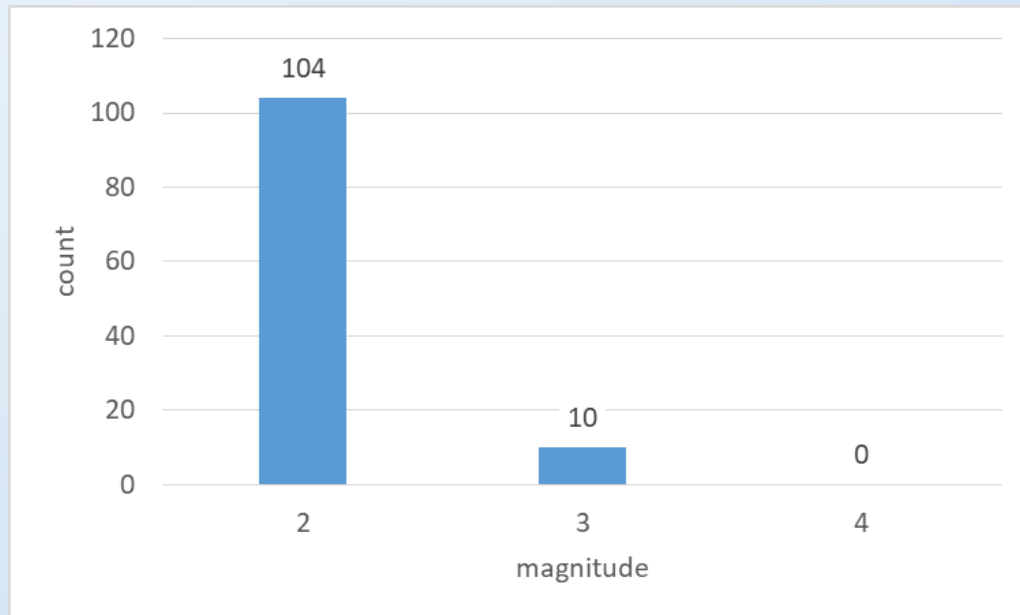
DK, MN, MR, CS Disposal



disposal within 15 mi

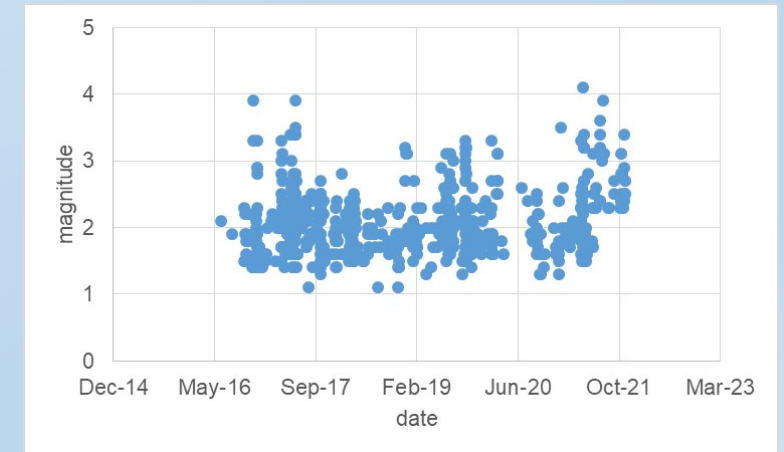
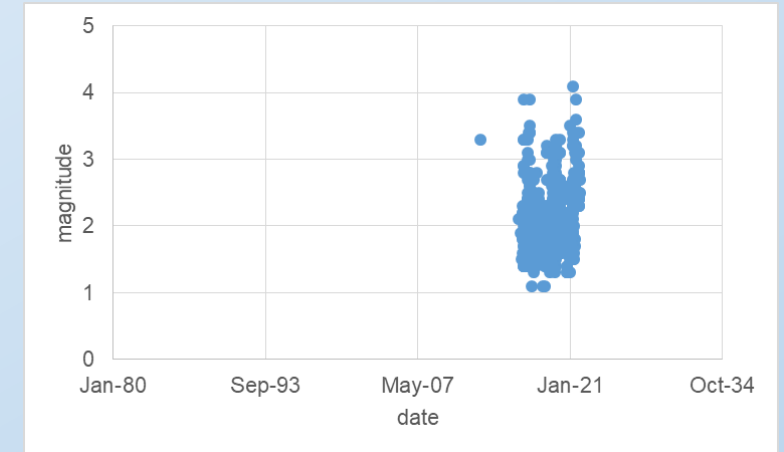
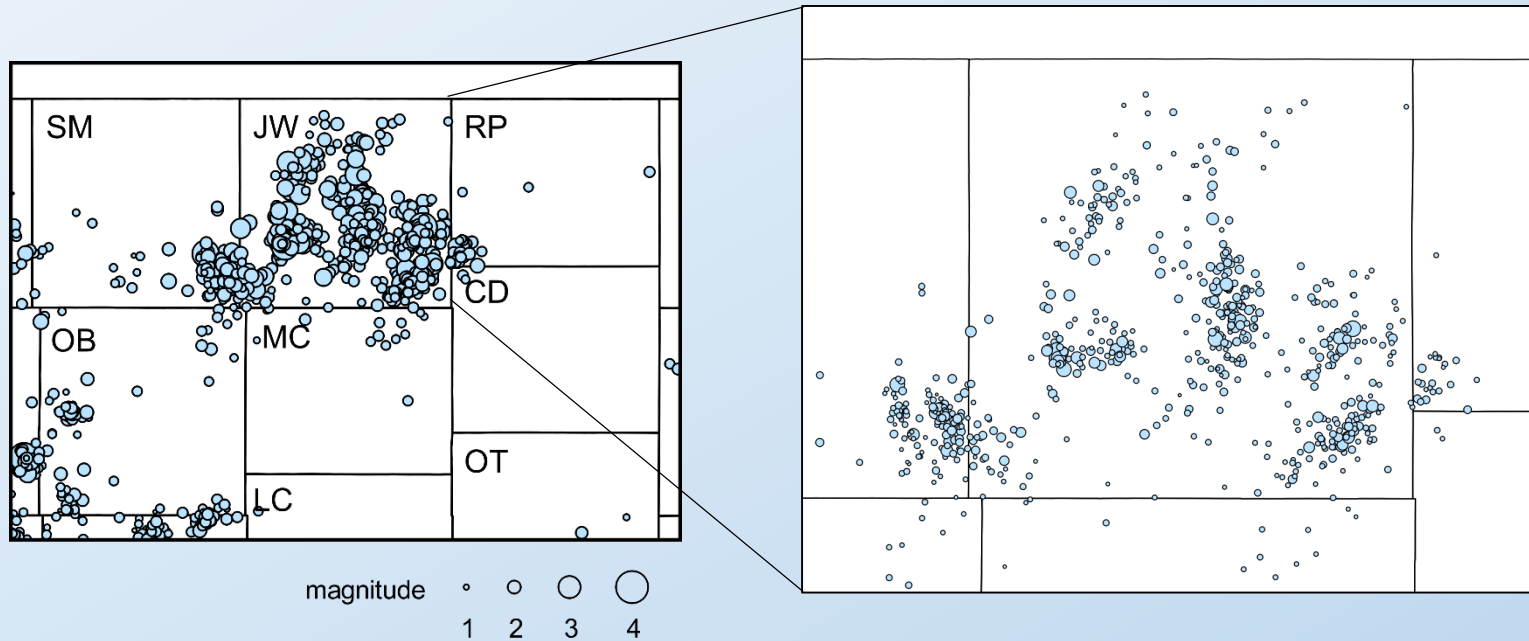


DK, MN, MR, CS Magnitude Distribution

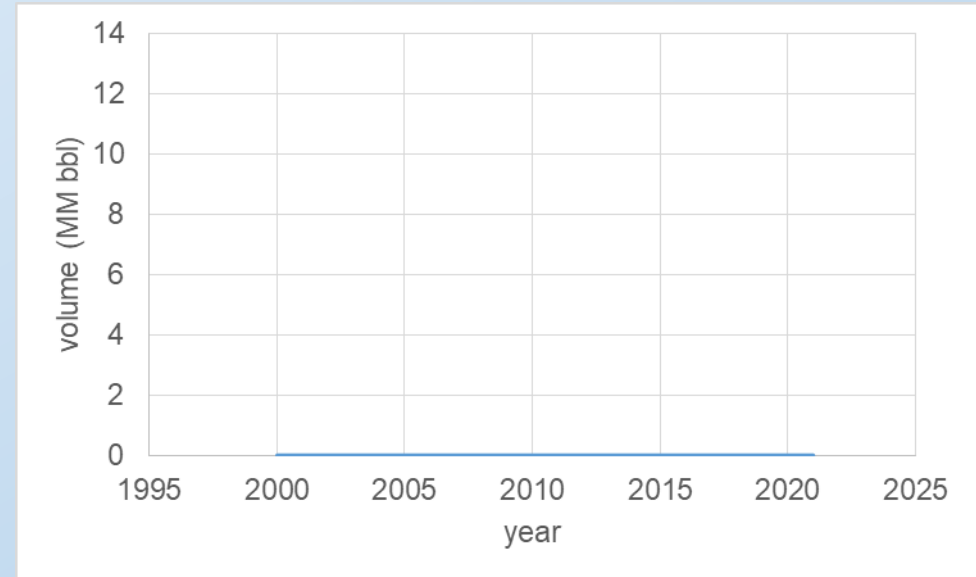
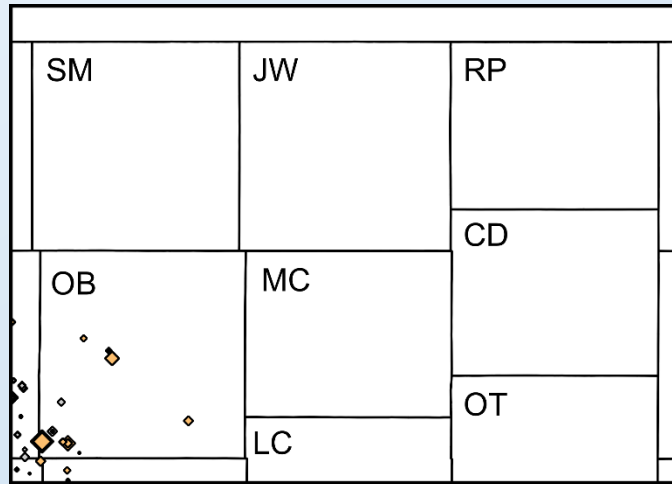


- $b\text{-value} = 1.0$
- one M 3+ every 10 days
- statistically expect M 5 within **20 years**

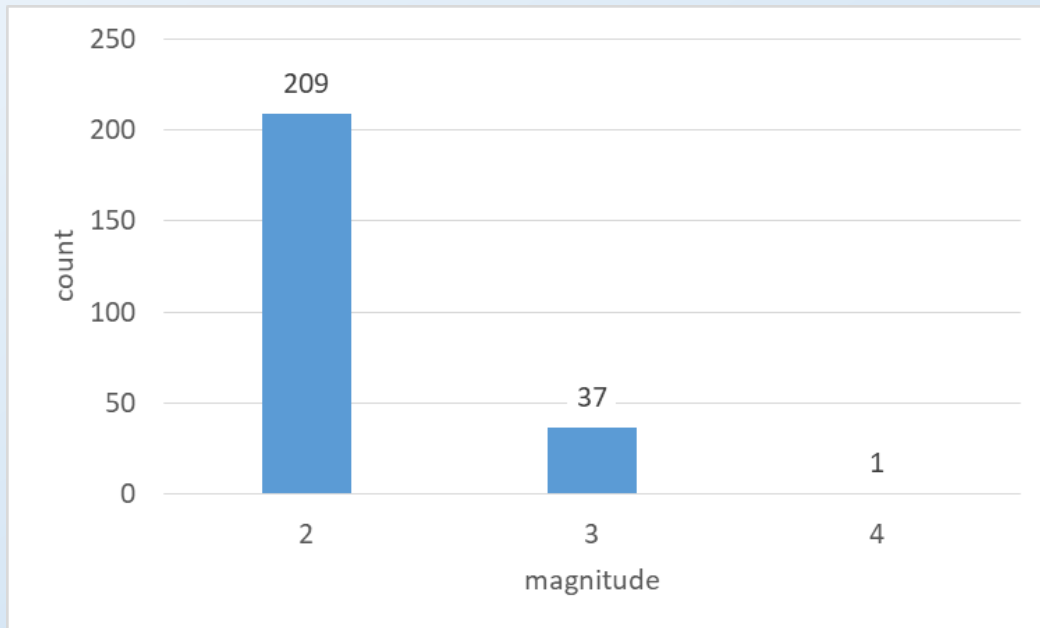
Jewell County Earthquakes



Jewell County Disposal



JW Magnitude Distribution



- $b\text{-value} = 1.2$
- one M 3+ every 37 days
- statistically expect M 5 within **30 years**

Aeromagnetic Map

