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-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-value = 1.2
- one M 3+ every 37 days
- statistically expect M 5 within 30 years
Aeromagnetic Map