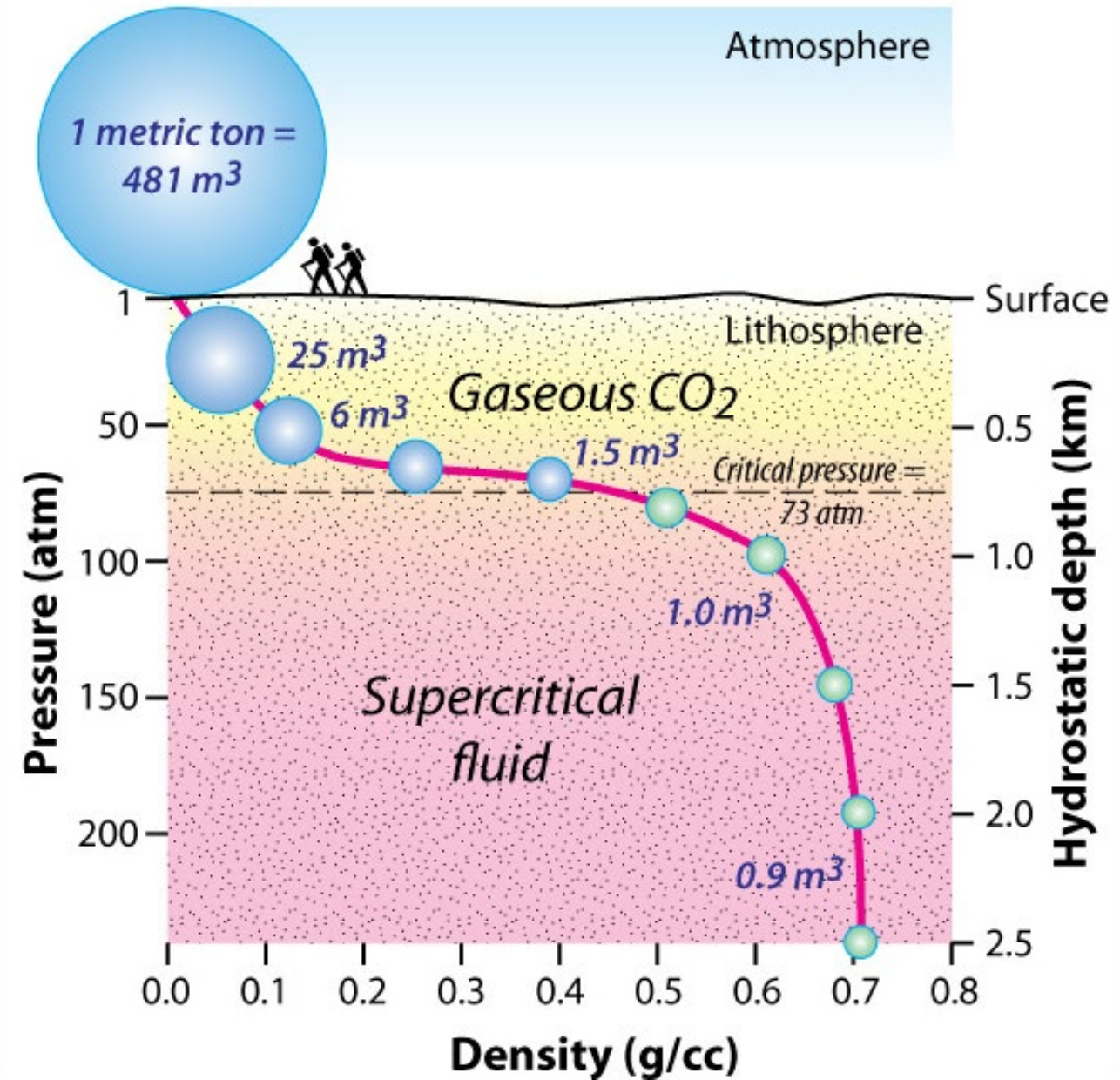


US Emits 6 Gt/yr 17 Balloons/person



Geologic CO₂ Storage

Injection Targets

- ✓ Saline formations (sandstone, carbonate)
- ✓ Mature oil and gas reservoirs
- ✓ Enhanced oil and gas recovery
- ✓ Unconventional targets (shale, coal)

- ✓ Secure reservoir seals
- ✓ Protect underground sources of drinking water



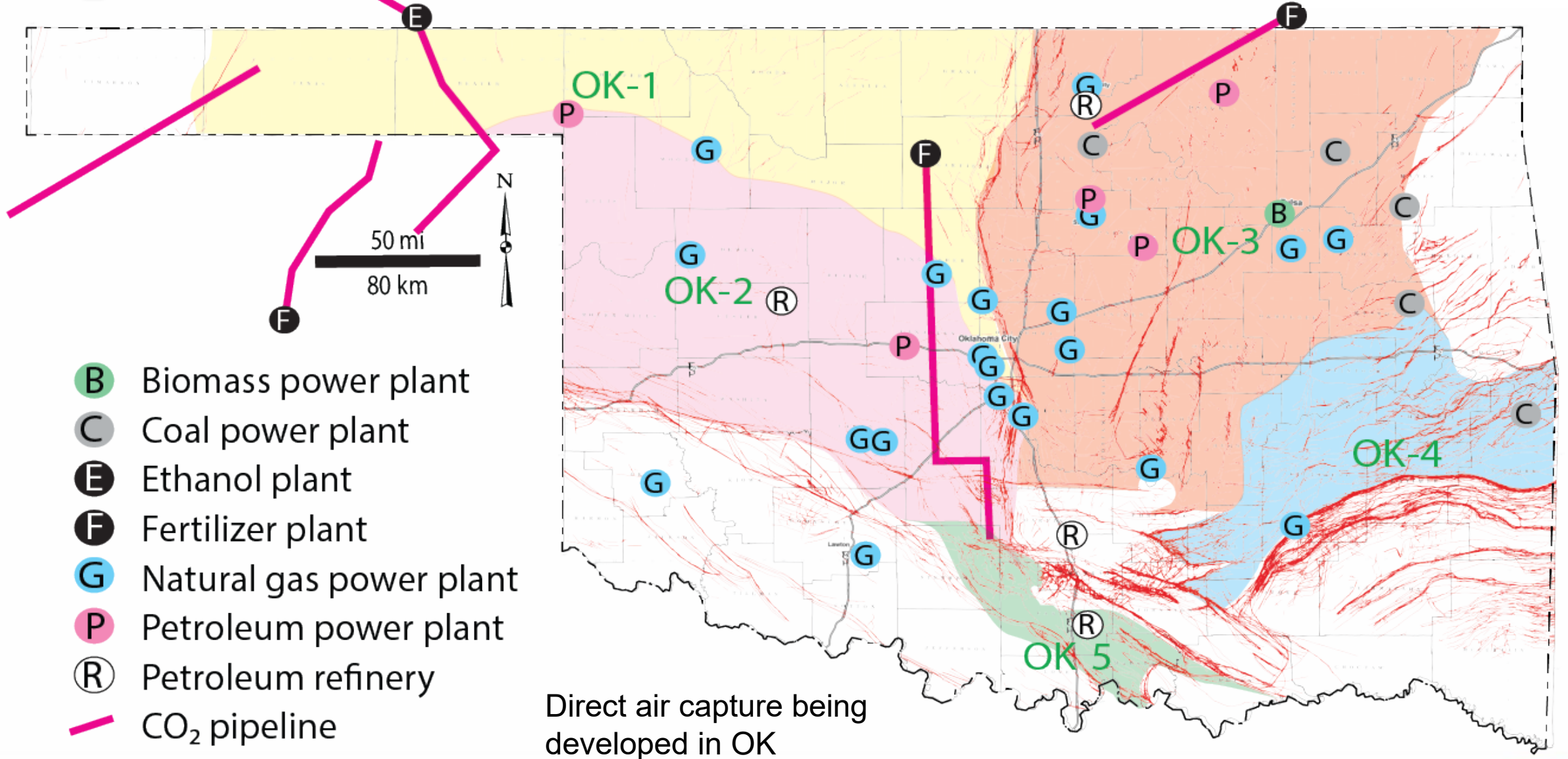
SECARB
Southeast Regional Carbon
Sequestration Partnership

Early injection experiment, MS

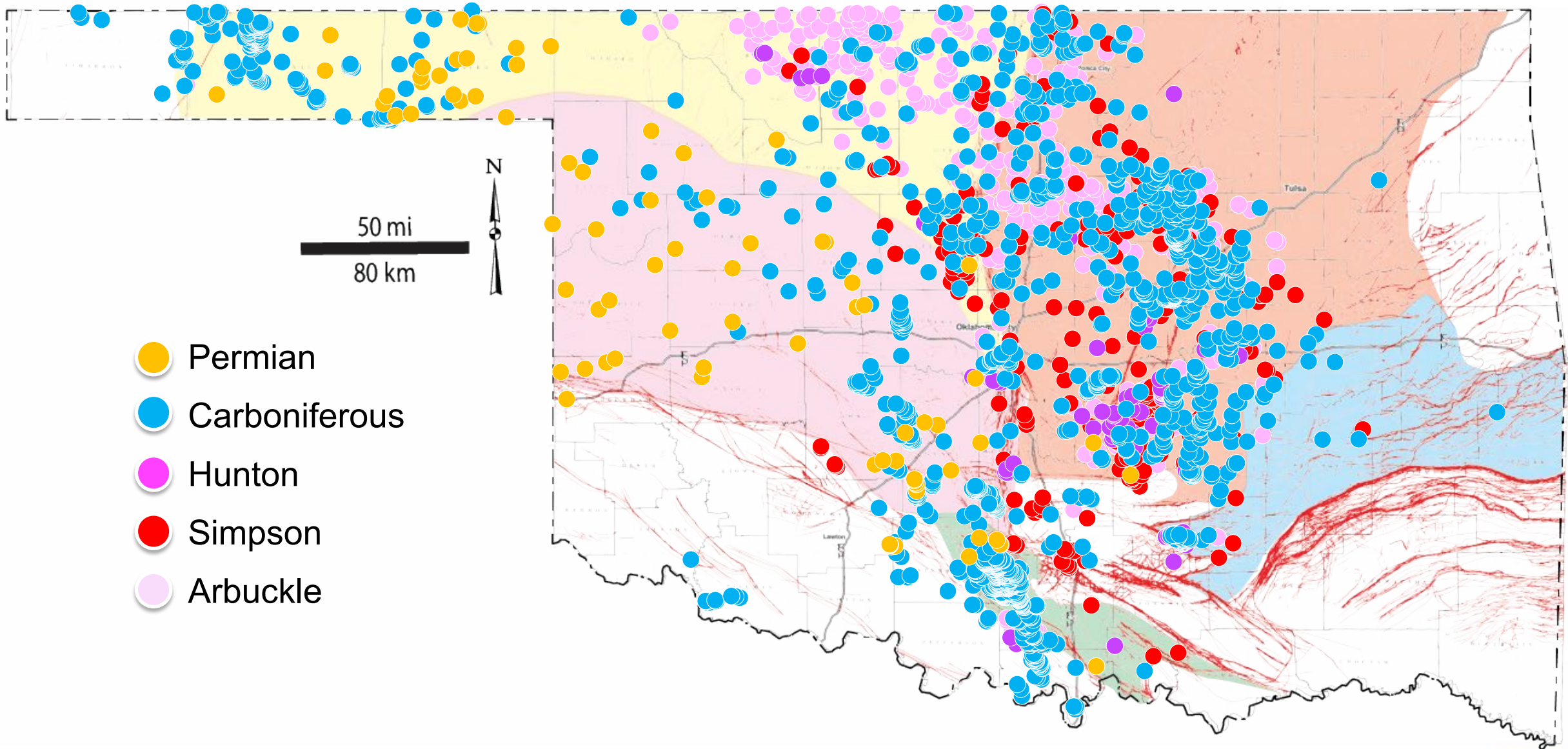


CO₂ Sources

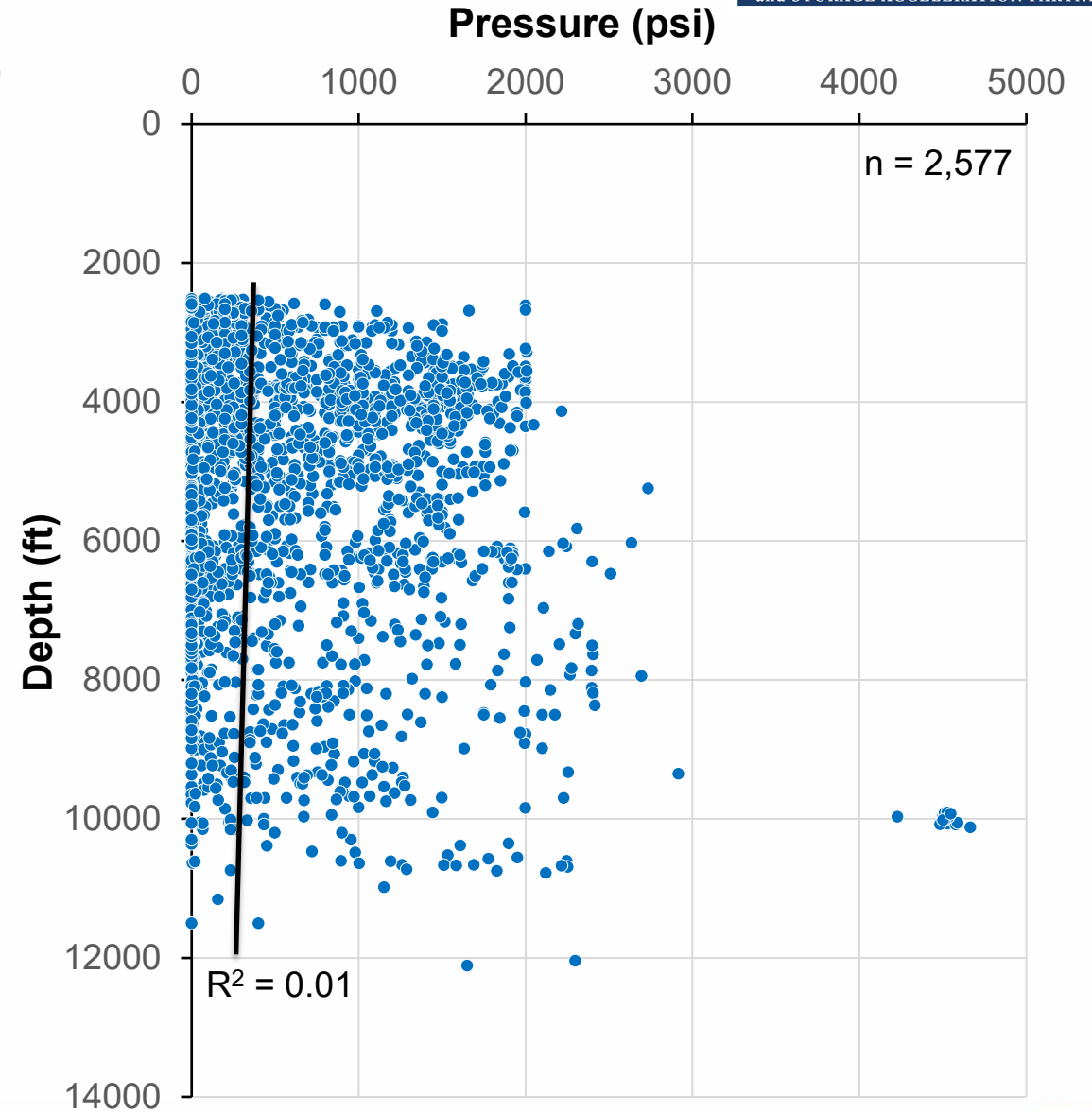
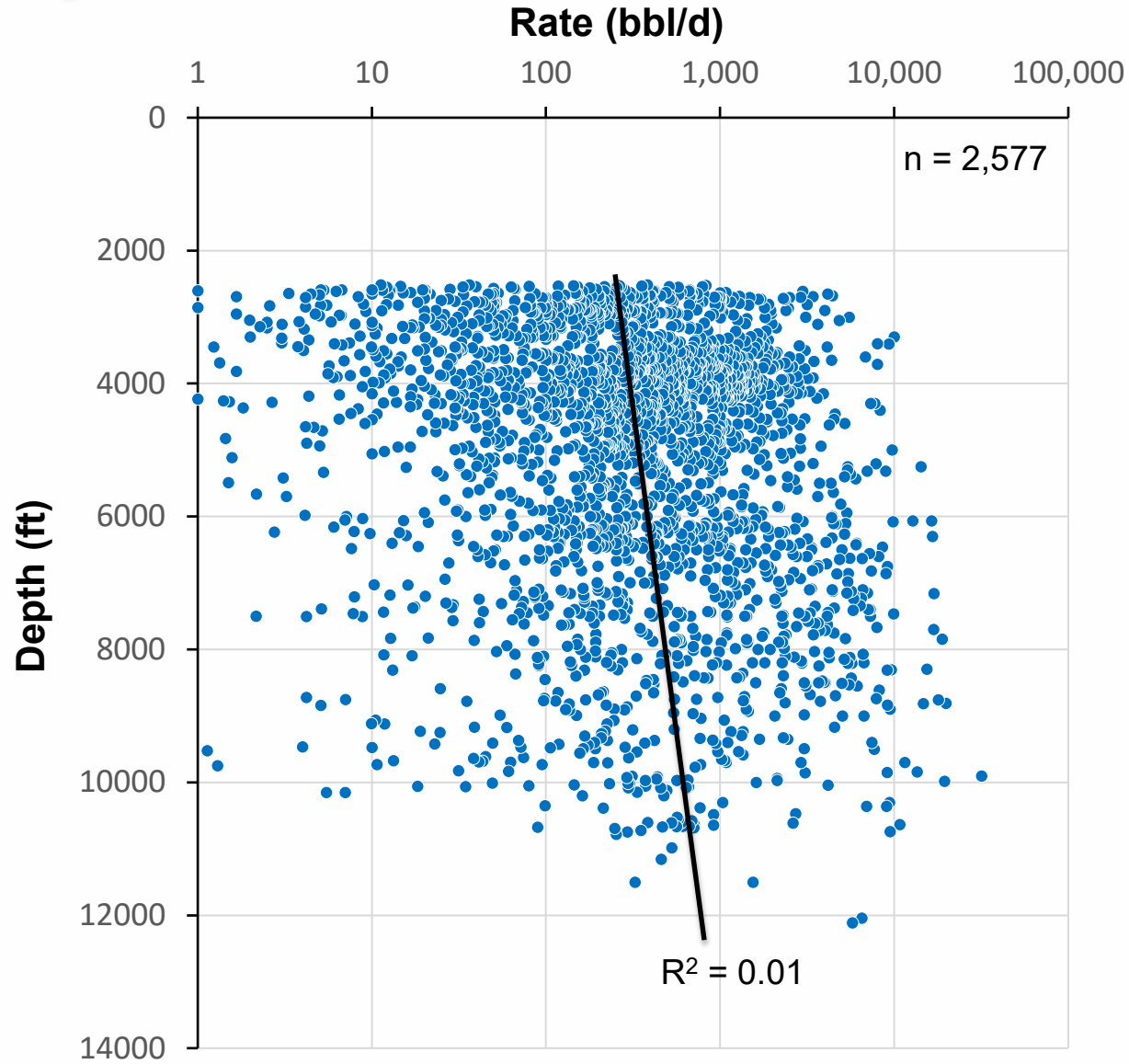
OK industrial CO₂ emissions ~50 Mt/yr



Injection zones



Injection Rate and Pressure



Issues affecting implementation, acceptance

- ✓ Public perceptions regarding induced seismicity.
- ✓ Competition for pore space — synergy with petroleum and UIC activity.
- ✓ Pre-existing wellbores throughout state—Potential leakage risk offset by potential assets for monitoring and CO₂-enhanced resource recovery.



We've got a lot going for us!

- ✓ Abundant CO₂ sinks with stacked storage potential, including CO₂-EOR — Just about every possibility is in play statewide.
- ✓ Significant saline potential in strata lacking faults-basis for identified priority areas.
- ✓ USDWs in OK tend to be shallow; risk limited by abundant reservoir seals.
- ✓ UIC experience demonstrates low reservoir pressure and high injectivity—helps keep costs of development low.
- ✓ Numerous CO₂ sources in region with budding pipeline infrastructure.

