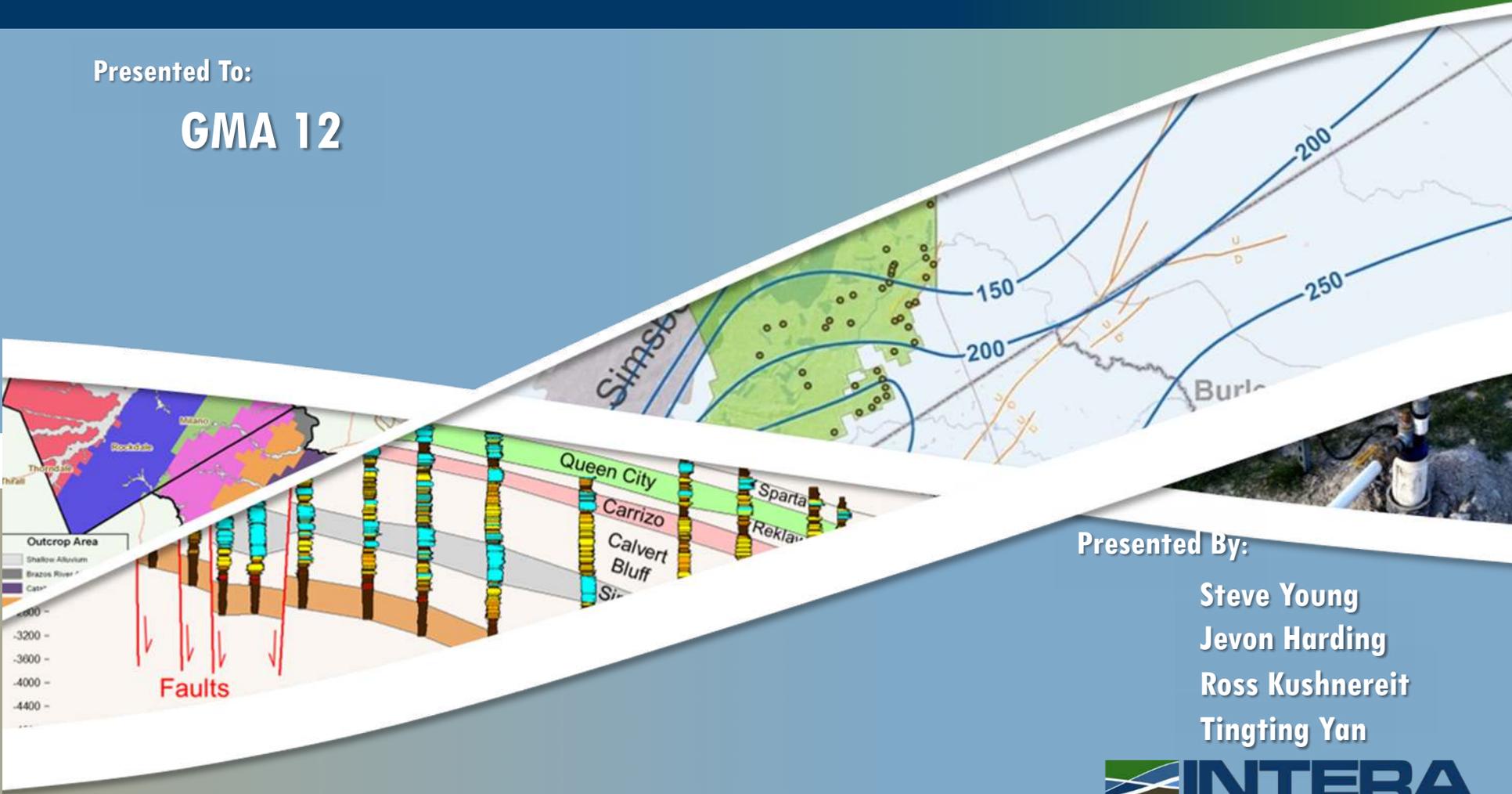


POSGCD Reported Pumping and Operating Permits

Presented To:

GMA 12



Presented By:

Steve Young
Jevon Harding
Ross Kushnereit
Tingting Yan

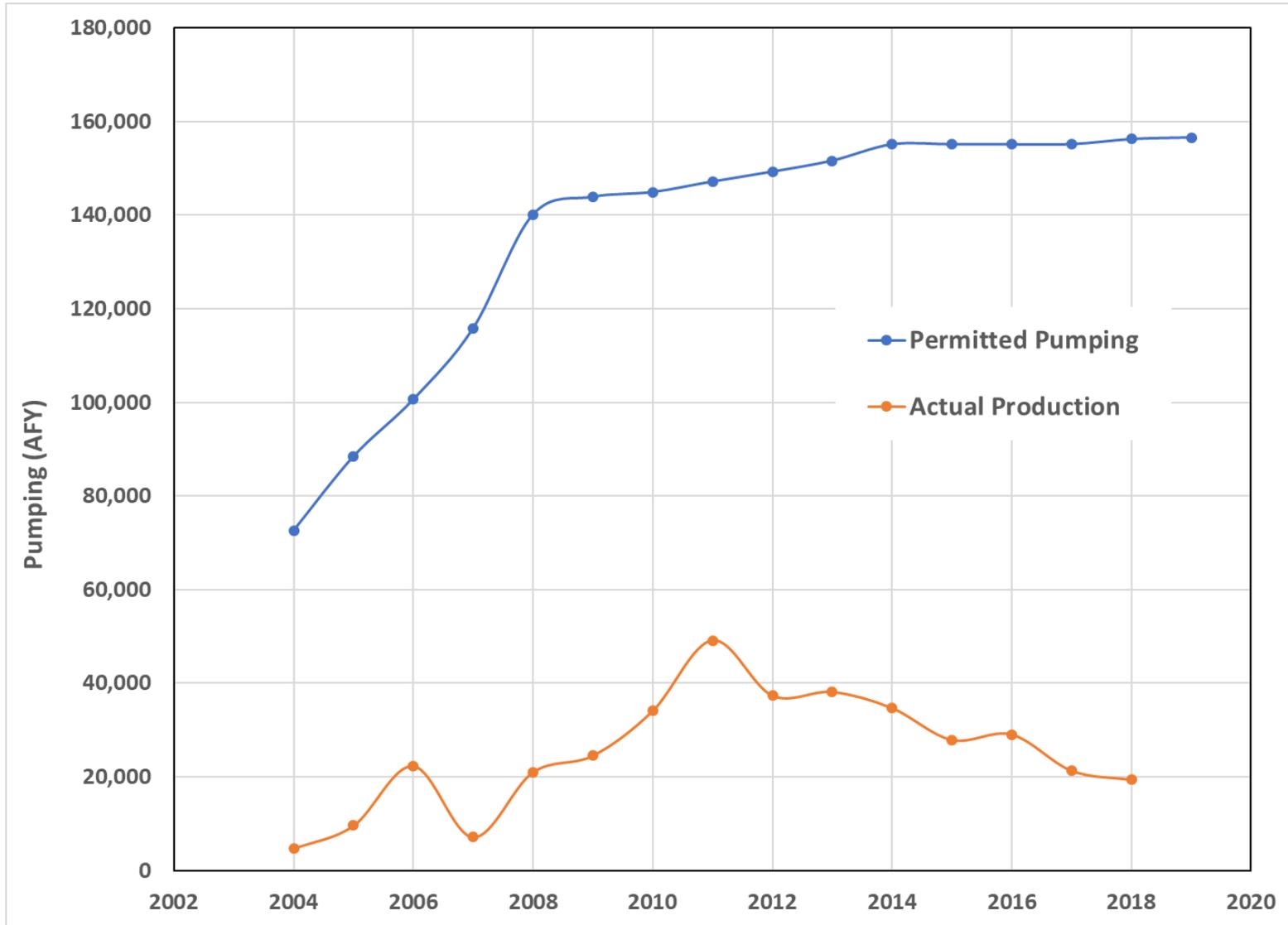


May 30, 2019

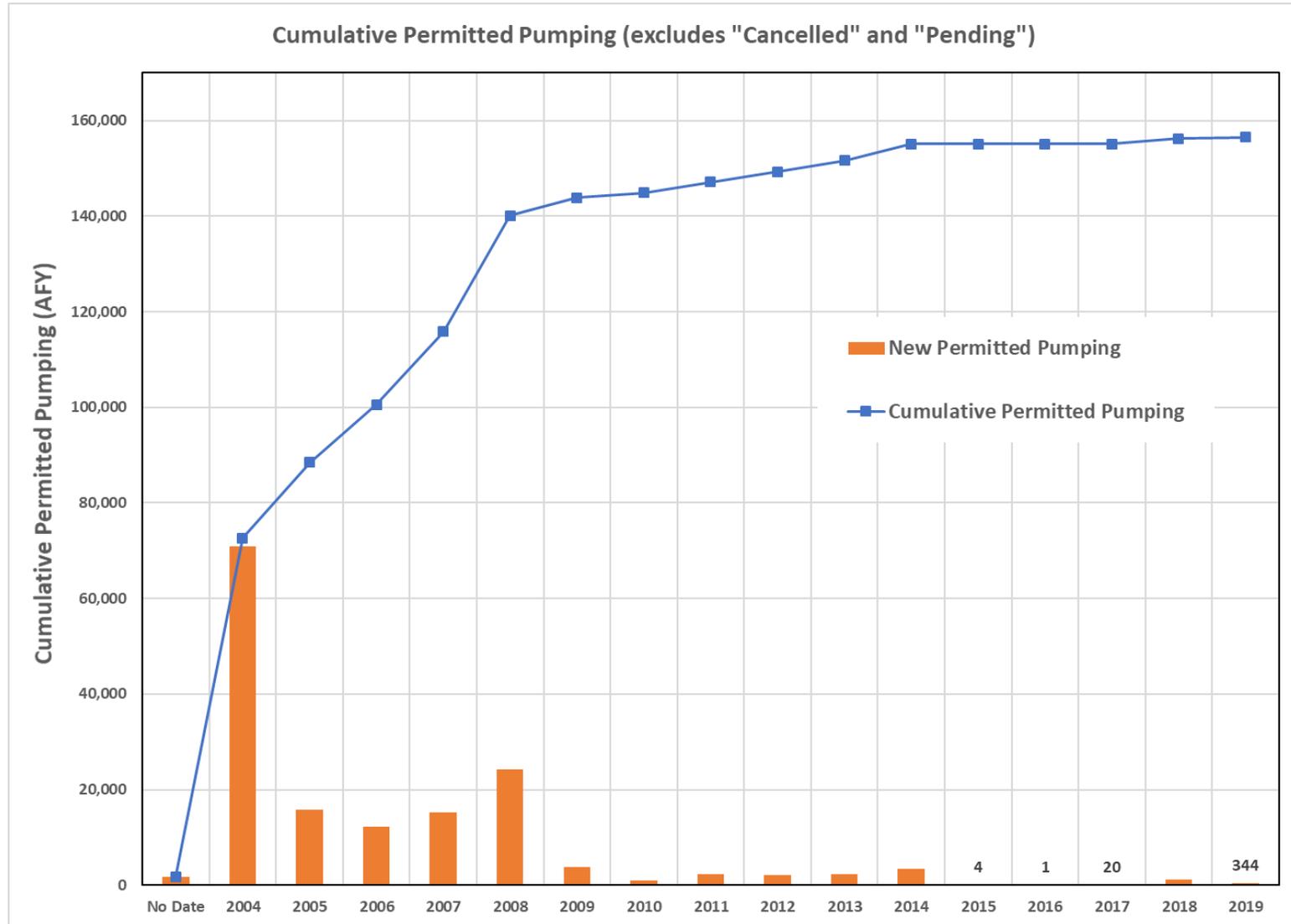
Agenda

- Reported Pumping and Permitted Pumping
- Permitted Pumping
 - Well Locations
 - Wells by Aquifer
 - Amount by Aquifer
- Exempted and Permitted Wells by Aquifer
 - Hooper
 - Simsboro
 - Calvert Bluff
 - Carrizo
 - Queen City
 - Sparta
- Create of Well Files for GAM

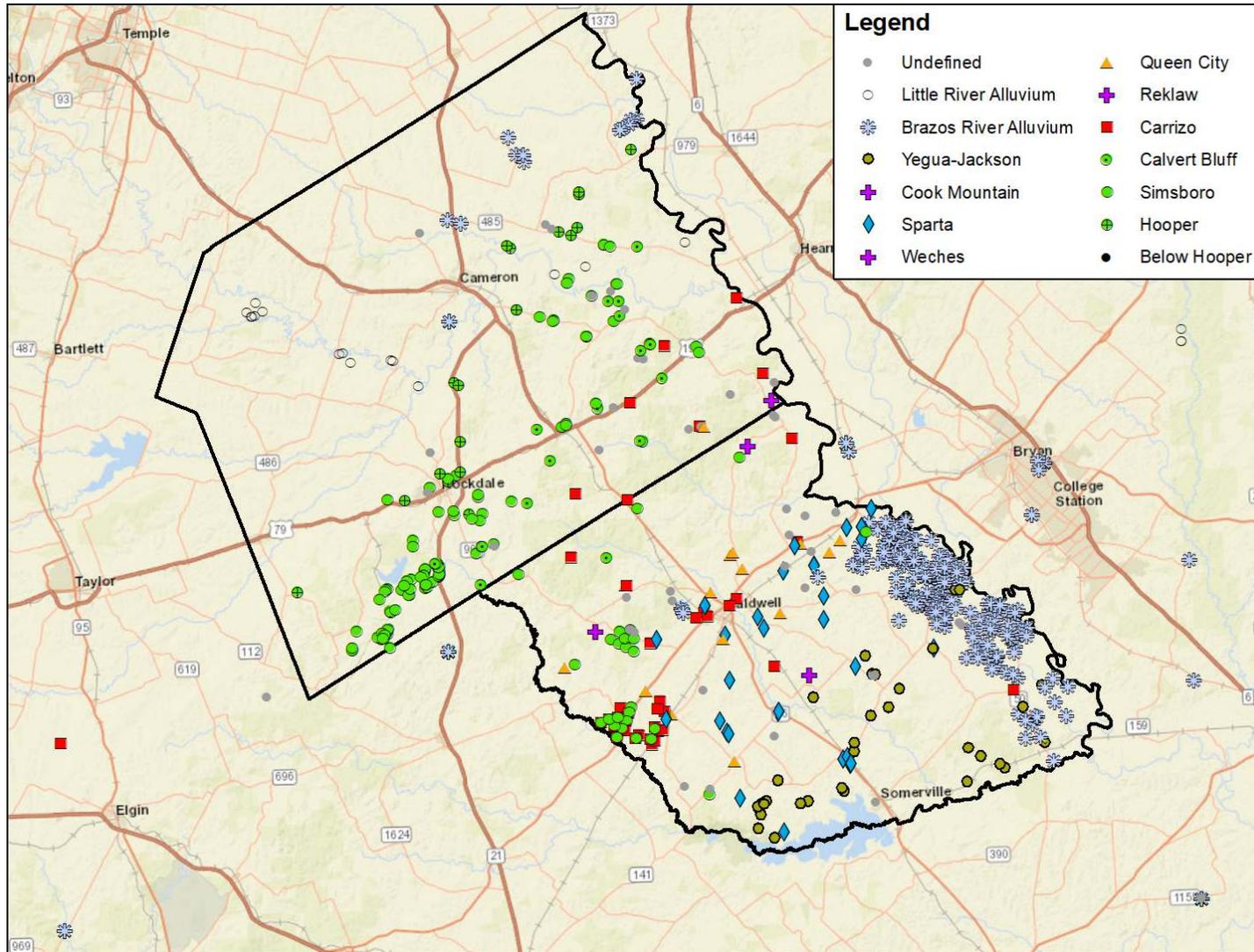
Permitted versus Reported Pumping



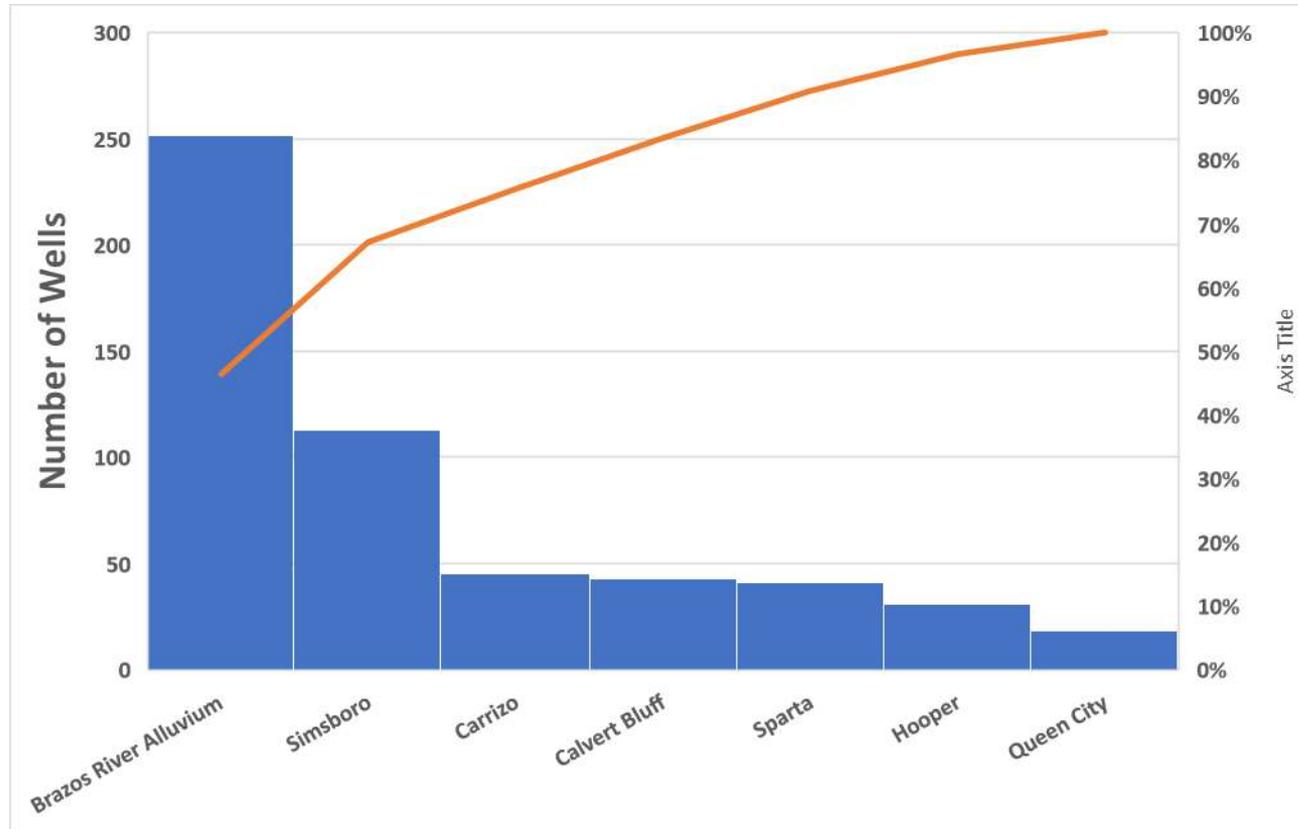
POSGCD Permitted Pumping



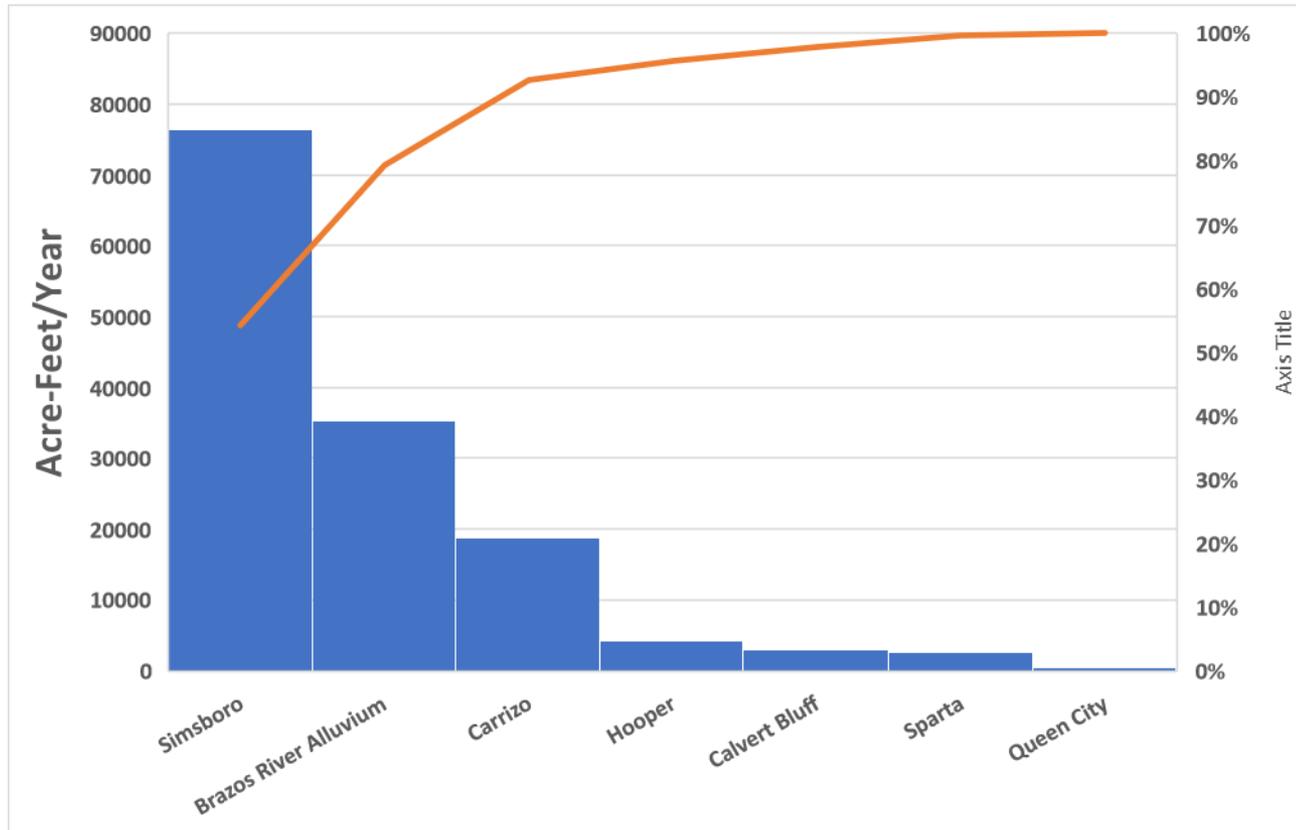
Location of Permitted Wells



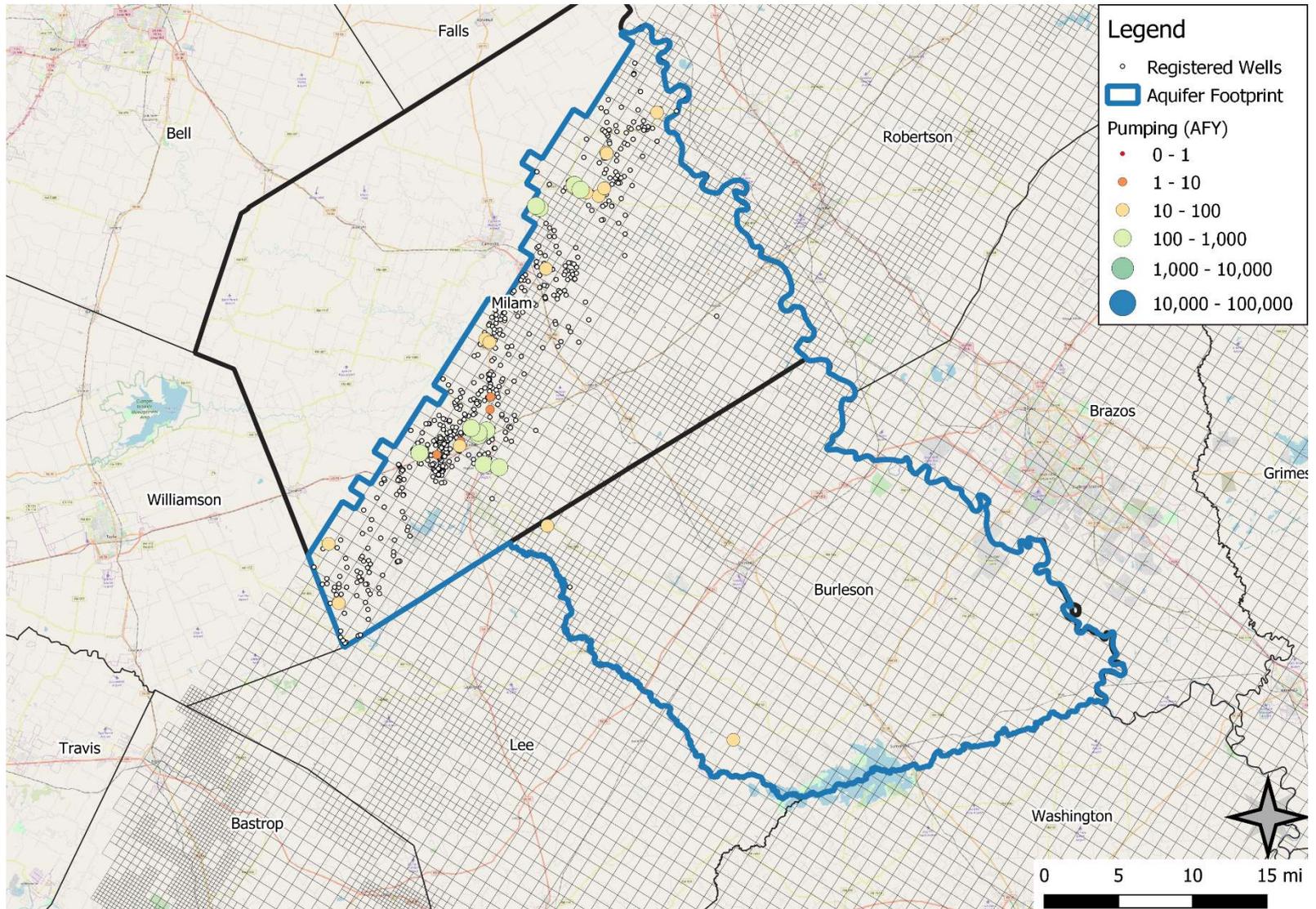
Distribution of Permitted Wells Among Aquifers



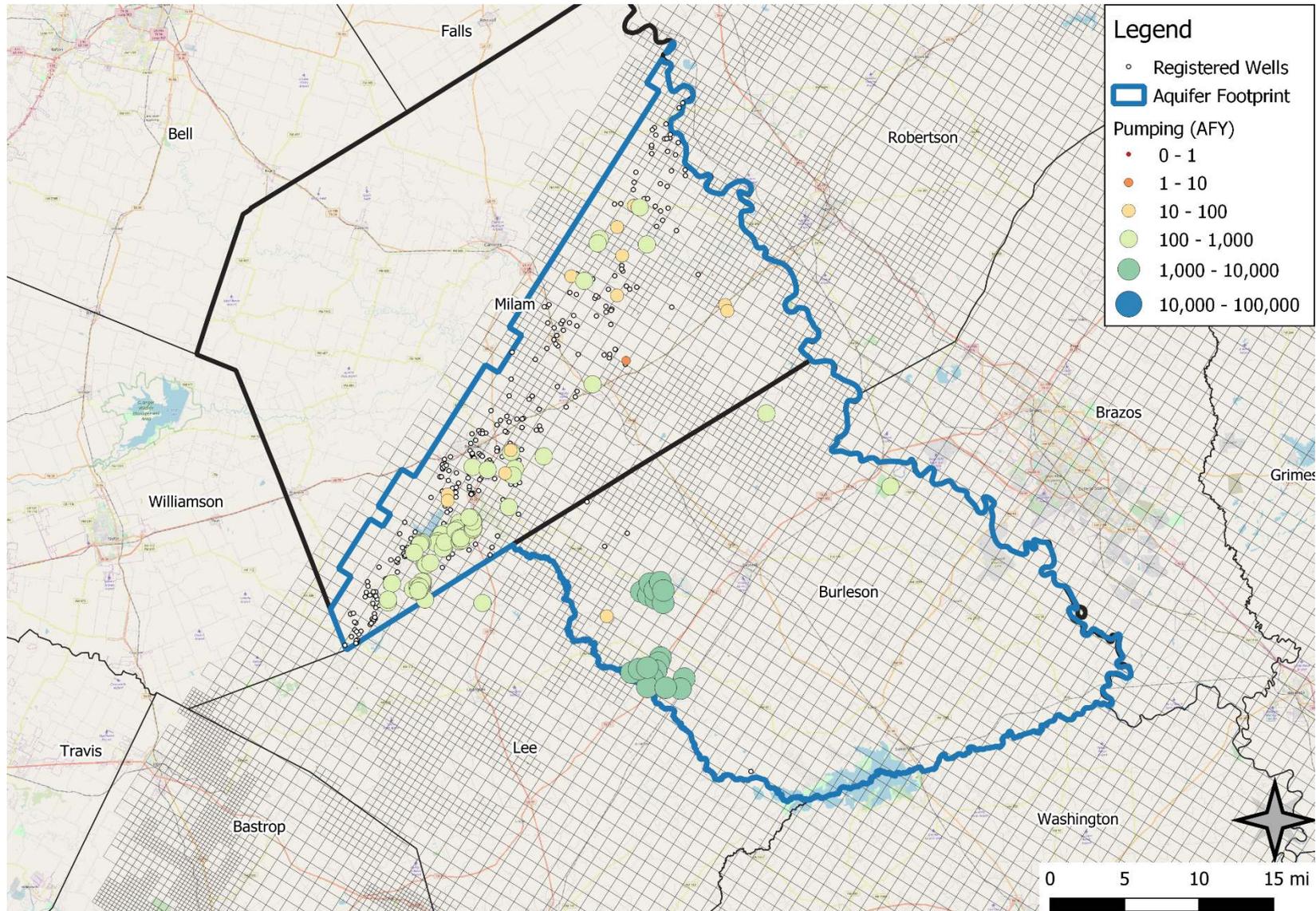
Distribution of Permitted Amounts Among Aquifers



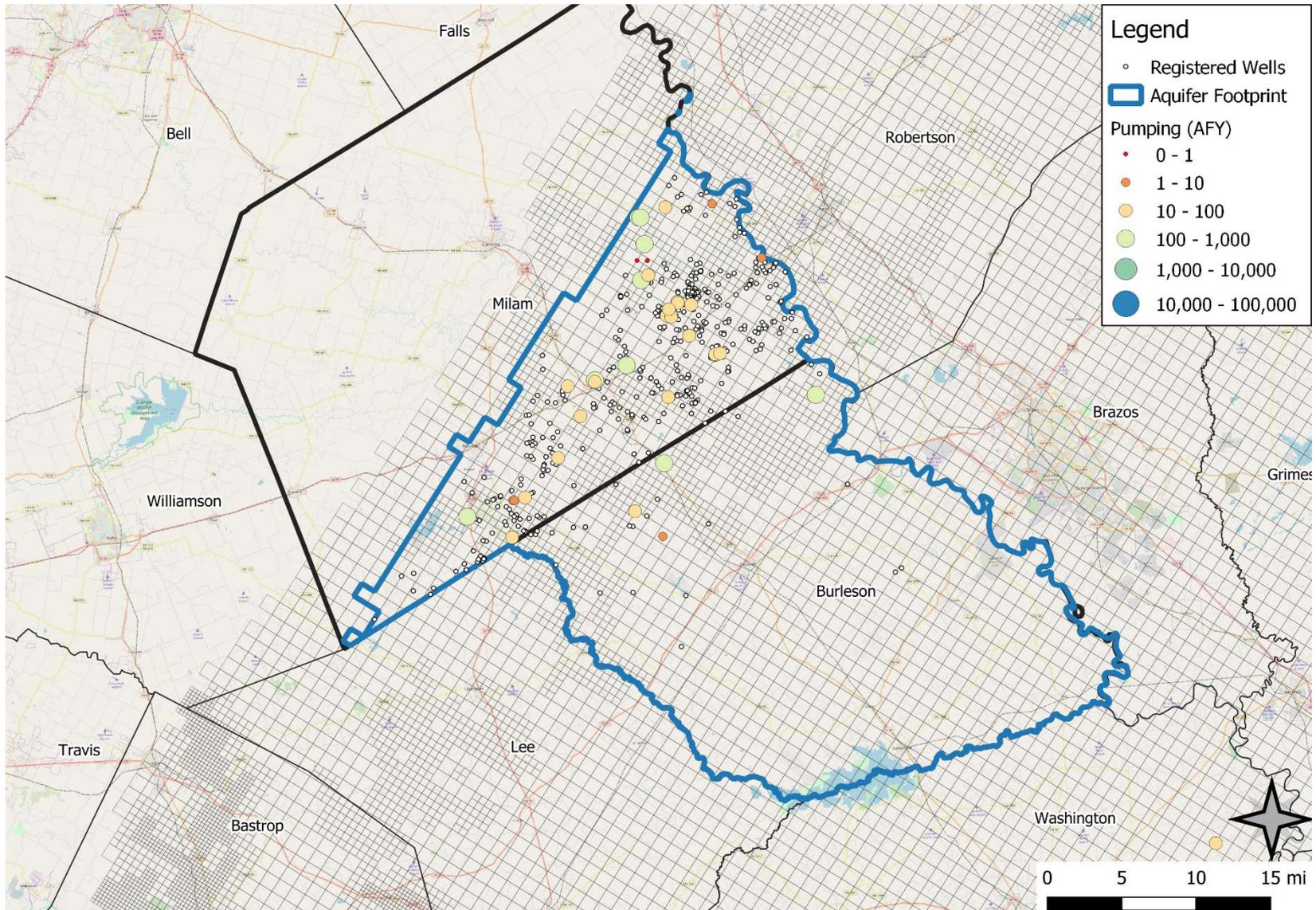
Hooper Formation



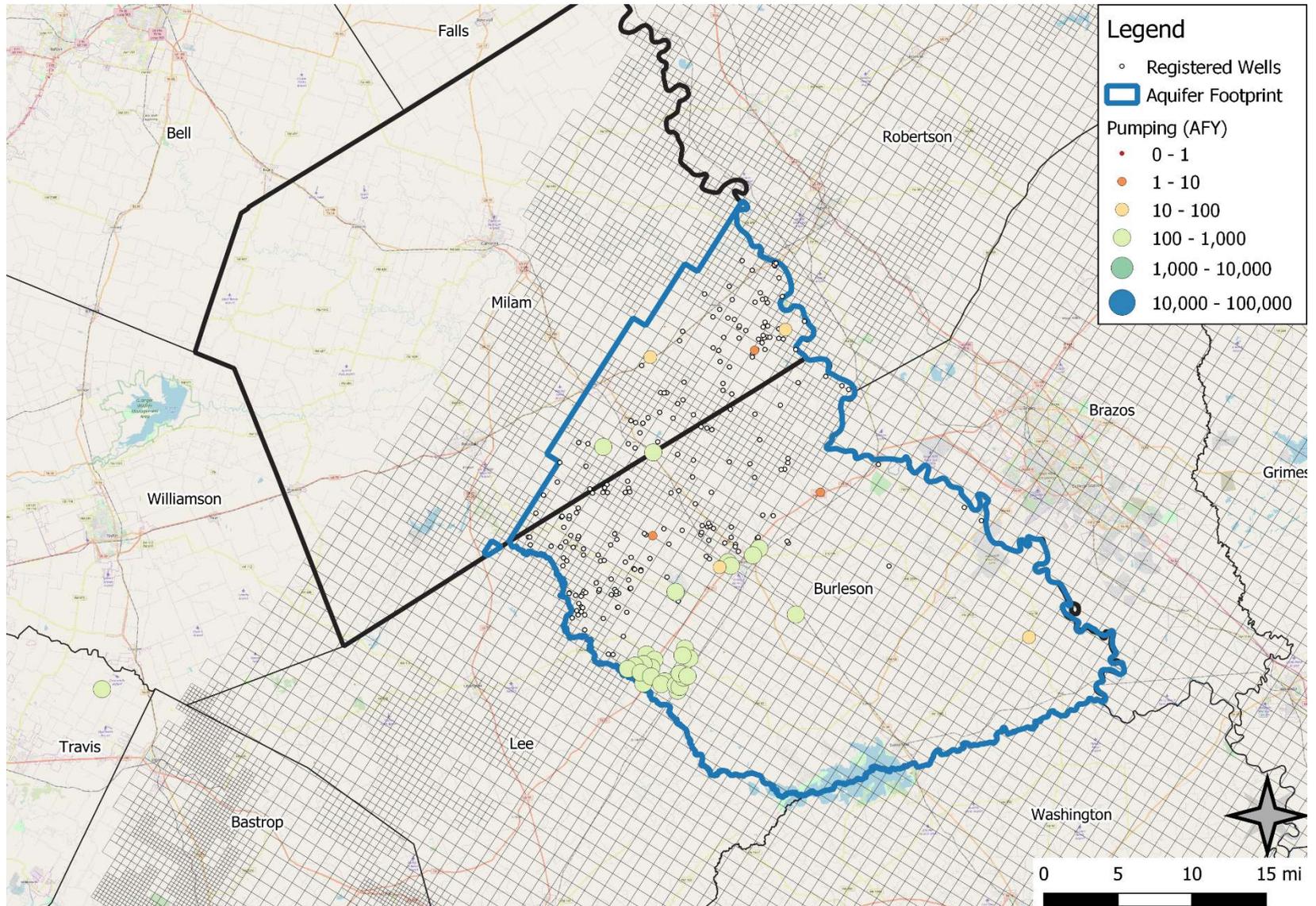
Simsboro



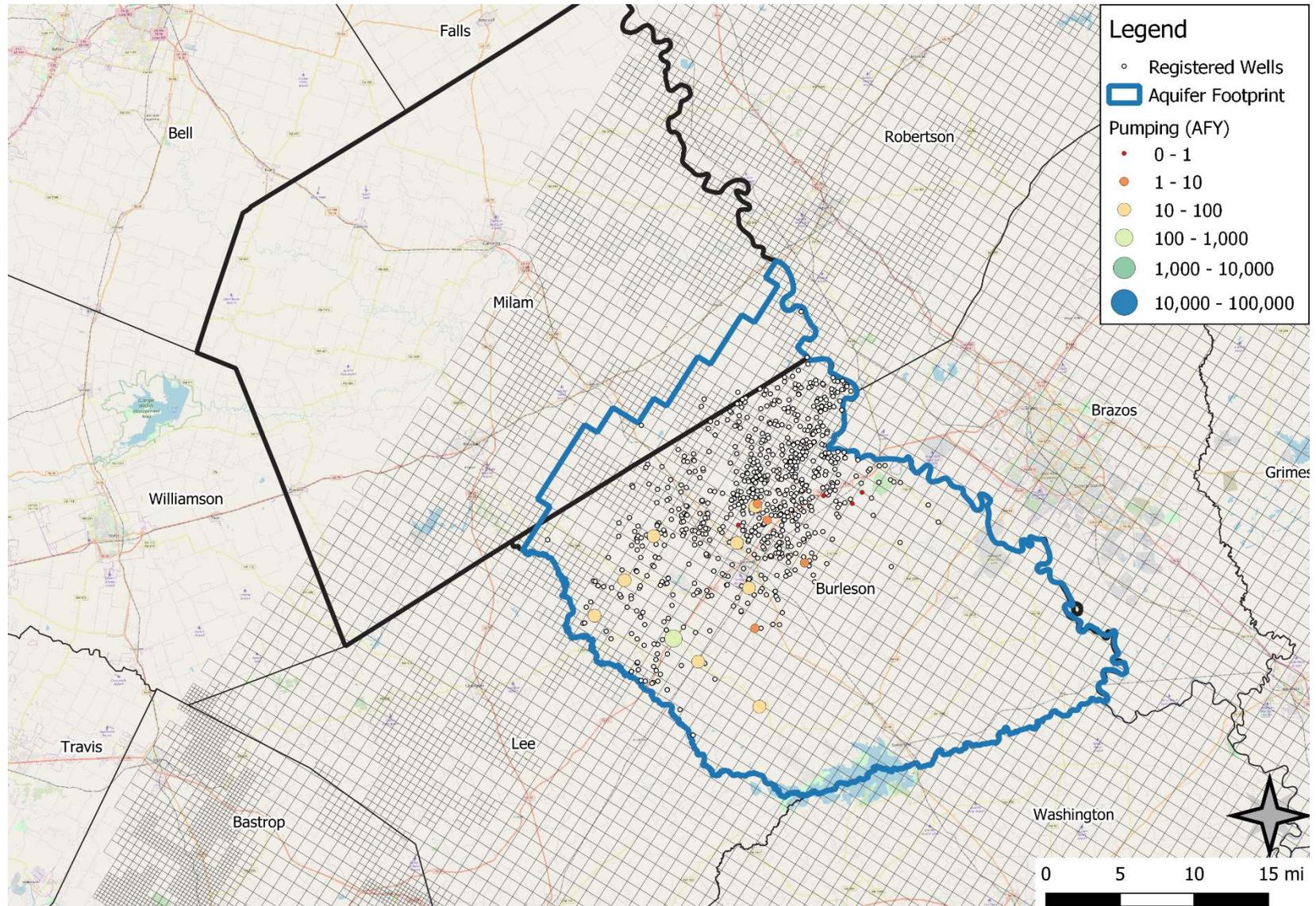
Calvert Bluff



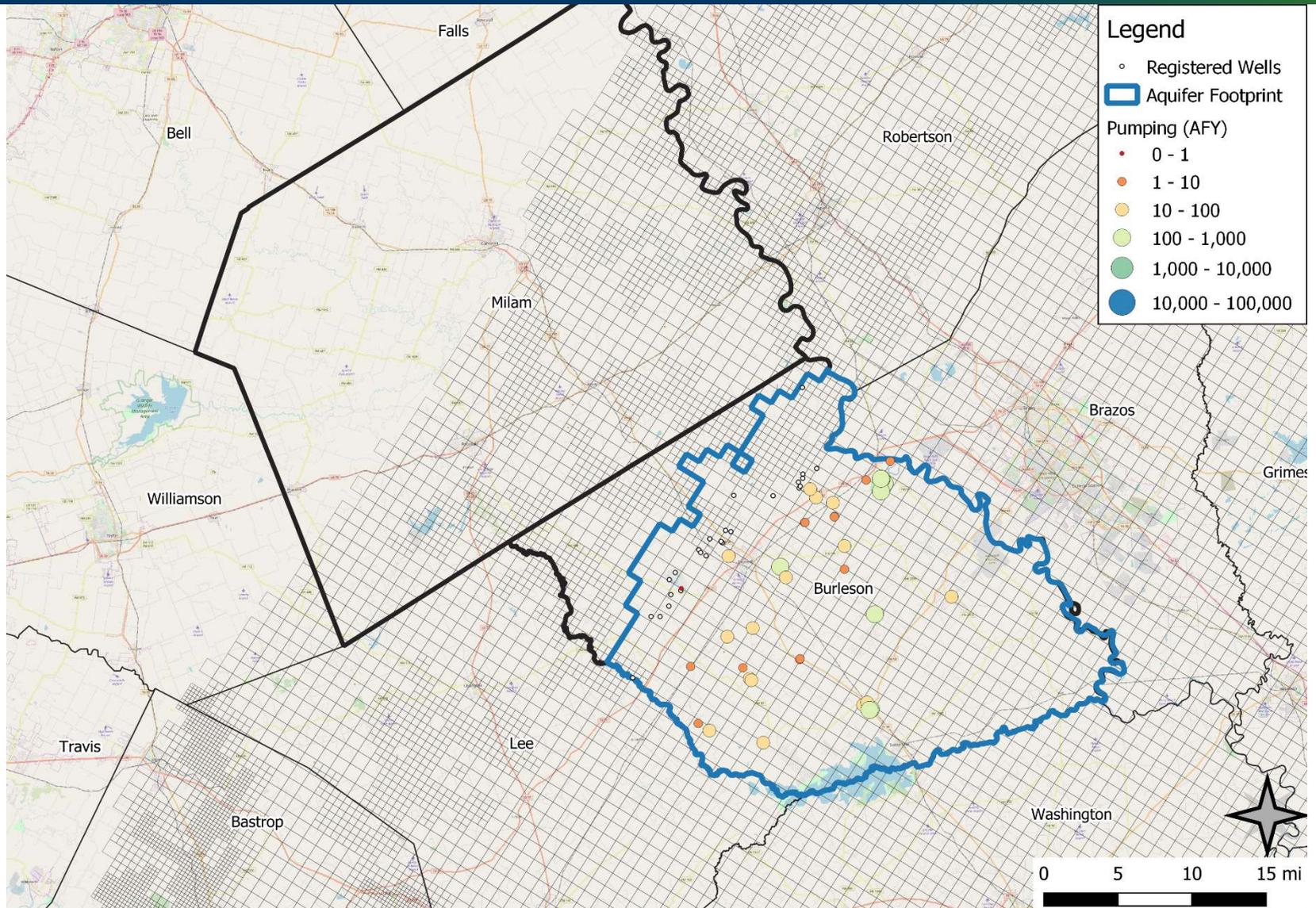
Carrizo



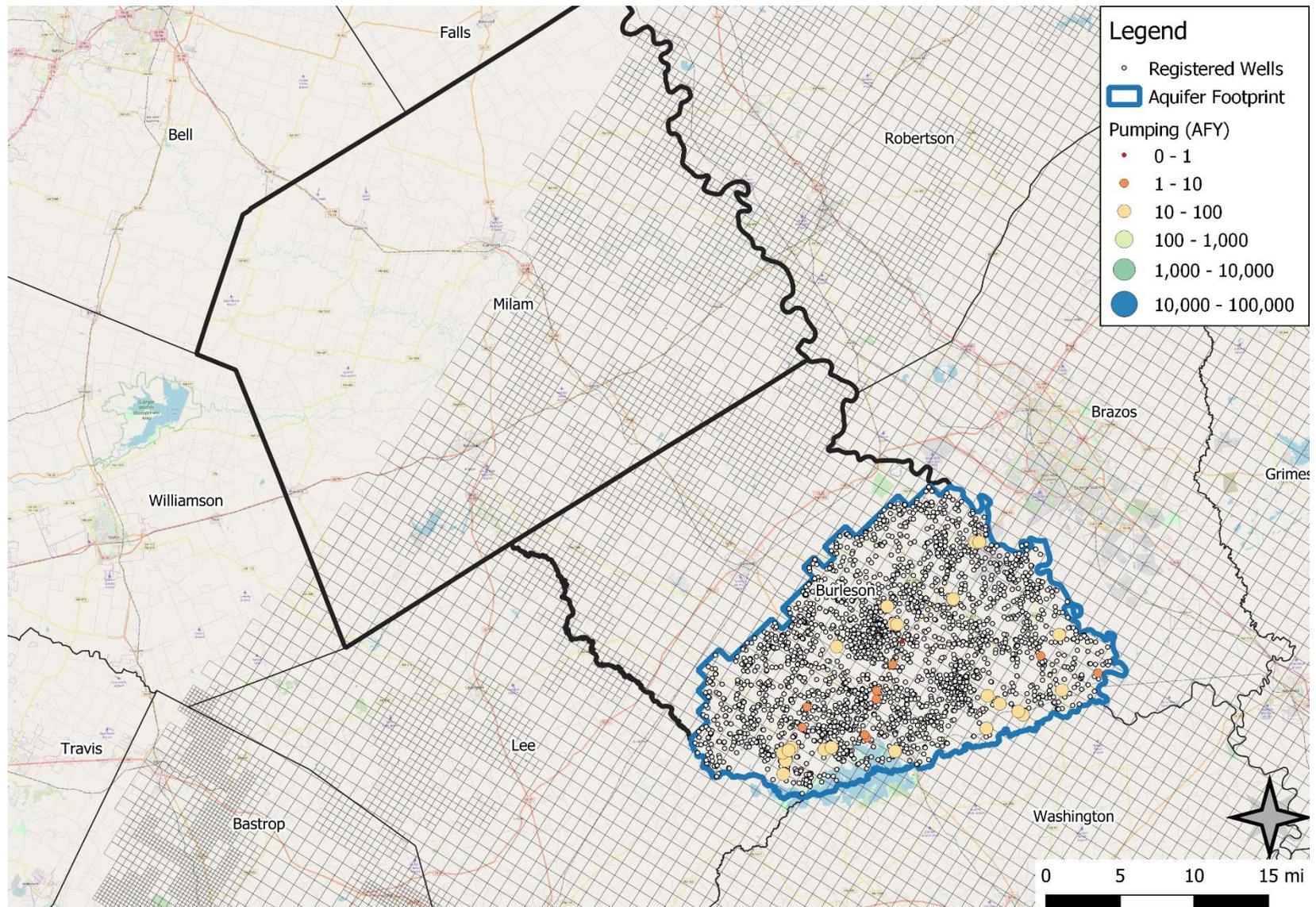
Queen City



Sparta



Yegua Jackson

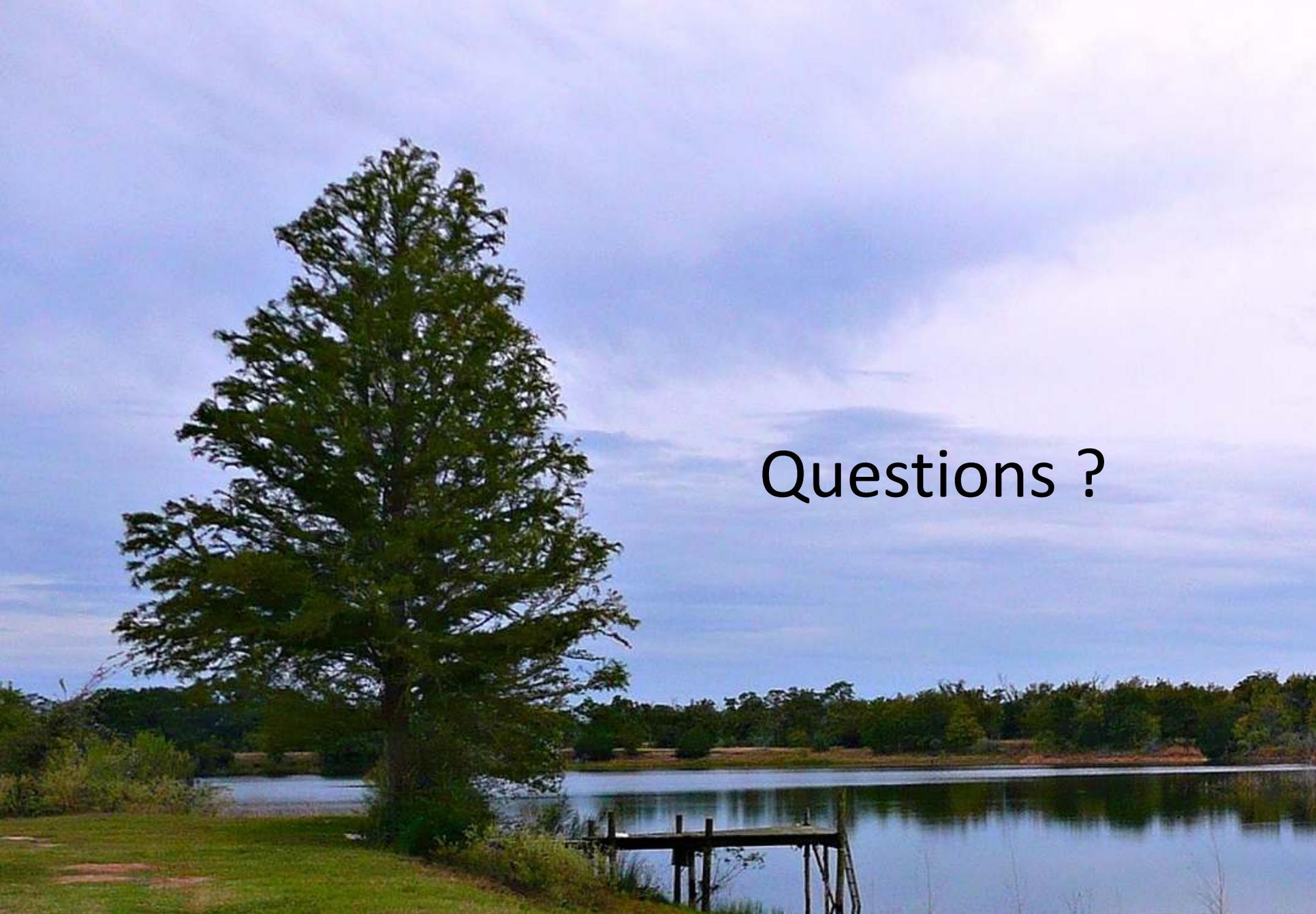


Development of Future Pumping Scenario

- Starting Year
 - 2010 (end of current calibration)
 - 2015 or 2018 ?
- Boundary Conditions at Model Edges
 - Coordination with adjacent GMAs
 - Pumping in counties outside of GCDs
- Recharge
 - Average conditions
 - Considerations for drought conditions
- Pumping
 - Low end
 - High end

Construction of Well File for Scoping GAM Runs

- Exempt Pumping
 - Areal coverage (population census, land use)
 - Incremental growth over time
- Permitted Pumping
 - Assign wells to a grid cell
 - Interpolate from reported pumping to permitted pumping based scenario assumption



Questions ?