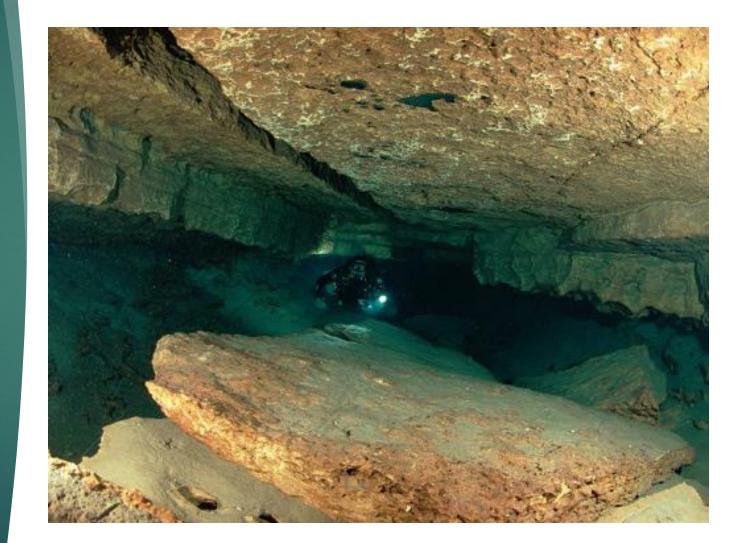
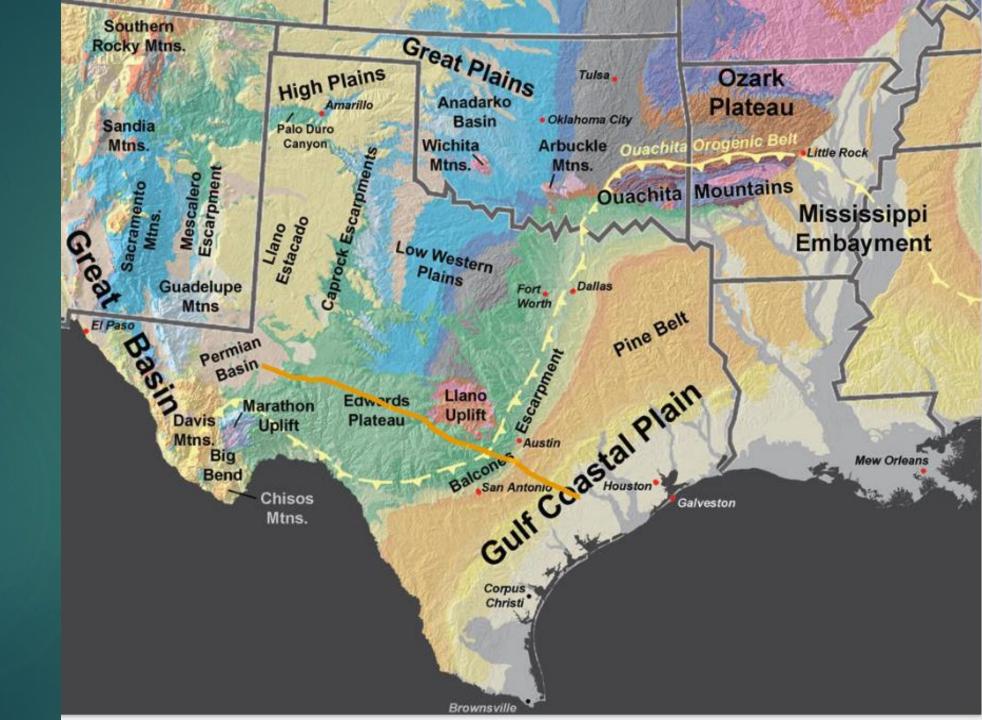
Kinder Morgan Permian Highway Pipeline

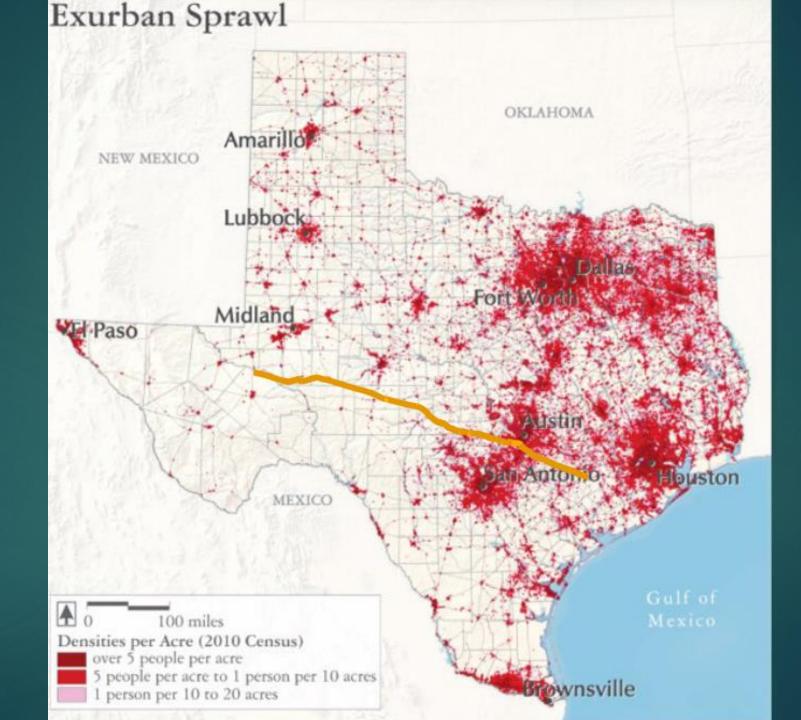
San Marcos City Council





Texas Geography



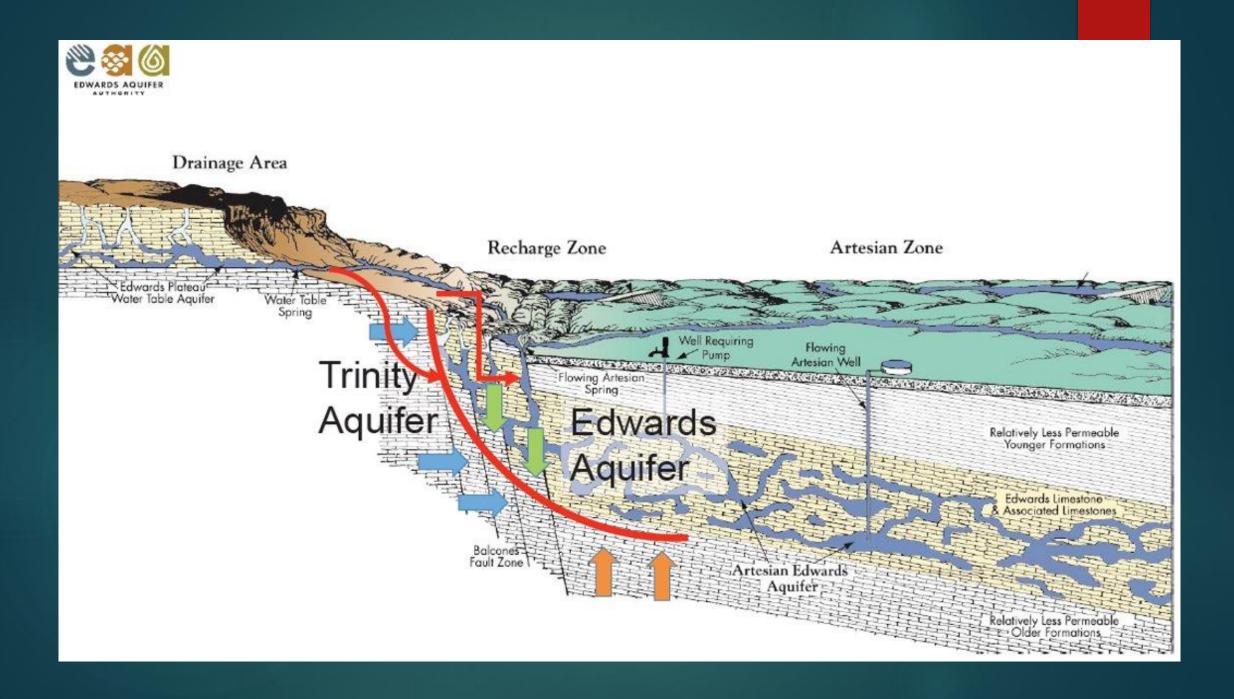


("GRANTOR"), whose address is for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, does grant, bargain, sell and convey unto **PERMIAN HIGHWAY PIPELINE LLC**, a Delaware limited liability company ("GRANTEE"), whose address is 1001 Louisiana Street, Suite 1000, Houston, Texas 77002, its successors and assigns, effective ("Effective Date") a permanent right-of-way and easement ("Easement") fifty feet (50') in width to own, use, develop, construct, lay, improve, install, operate, maintain, inspect, test, protect, repair, alter, convert, replace, in whole or in part, change the size of, change the product, relocate within the easement, and remove or abandon in place one (1) pipeline and appurtenances for the transportation of natural gas, oil, petroleum and its associated hydrocarbon substances on, in, over, under, through and across the Lands described in <u>Exhibit "B"</u> of Grantor situated in Hays, Texas with its approximate location being shown on the Preliminary <u>Exhibit "A"</u> attached hereto and made a part of this Agreement.

GRANTEE shall remove all trash and other debris that GRANTEE or its contractors deposit on the Easement and restore the surface of the land to as near its original condition as is reasonably practicable. GRANTEE agrees to bury the pipeline so that the top of the pipelines at least thirty-six inches (36") below the surface when constructed/installed so as not to interfere with normal cultivation of the land, except at those locations where rock is encountered, the pipeline may be buried at a lesser depth. Grantor agrees to not disturb, alter interfere with or reduce the depth of cover over the pipeline and shall be responsible for any expenses associated with its farming operations if the depth of cover is reduced below thirty-six (36") inches.

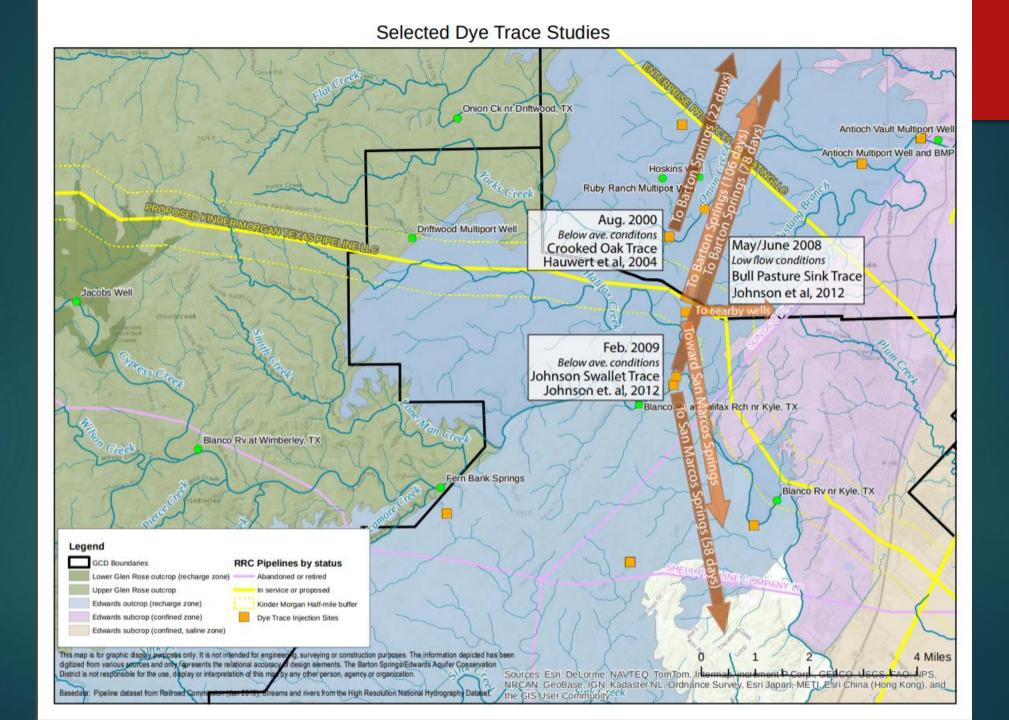
Contributing Zones of the Aquifer

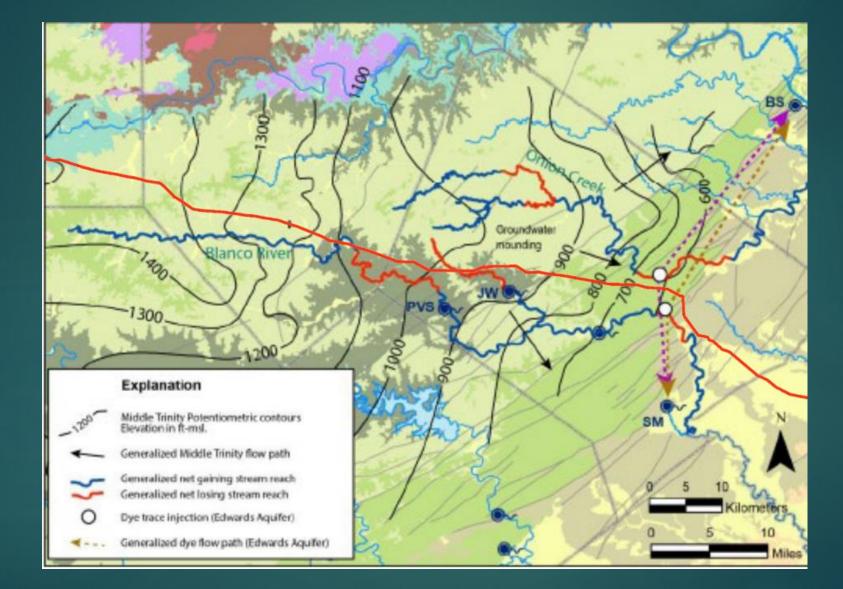


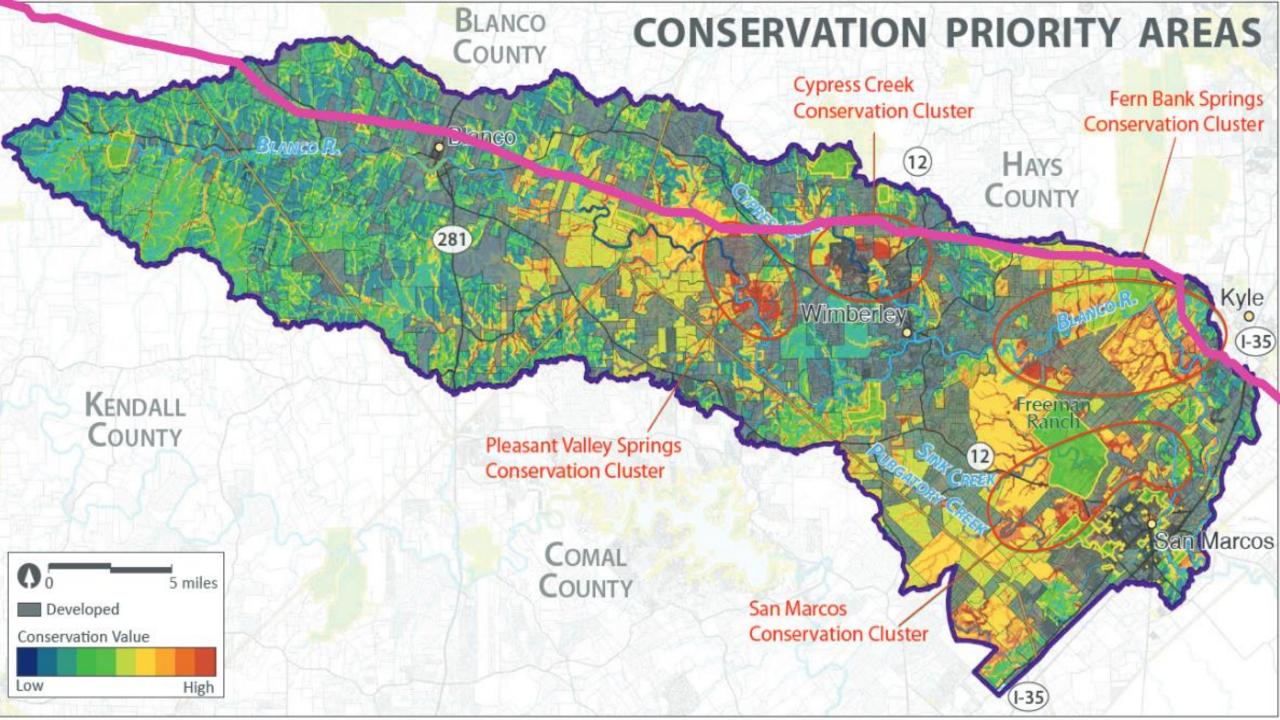


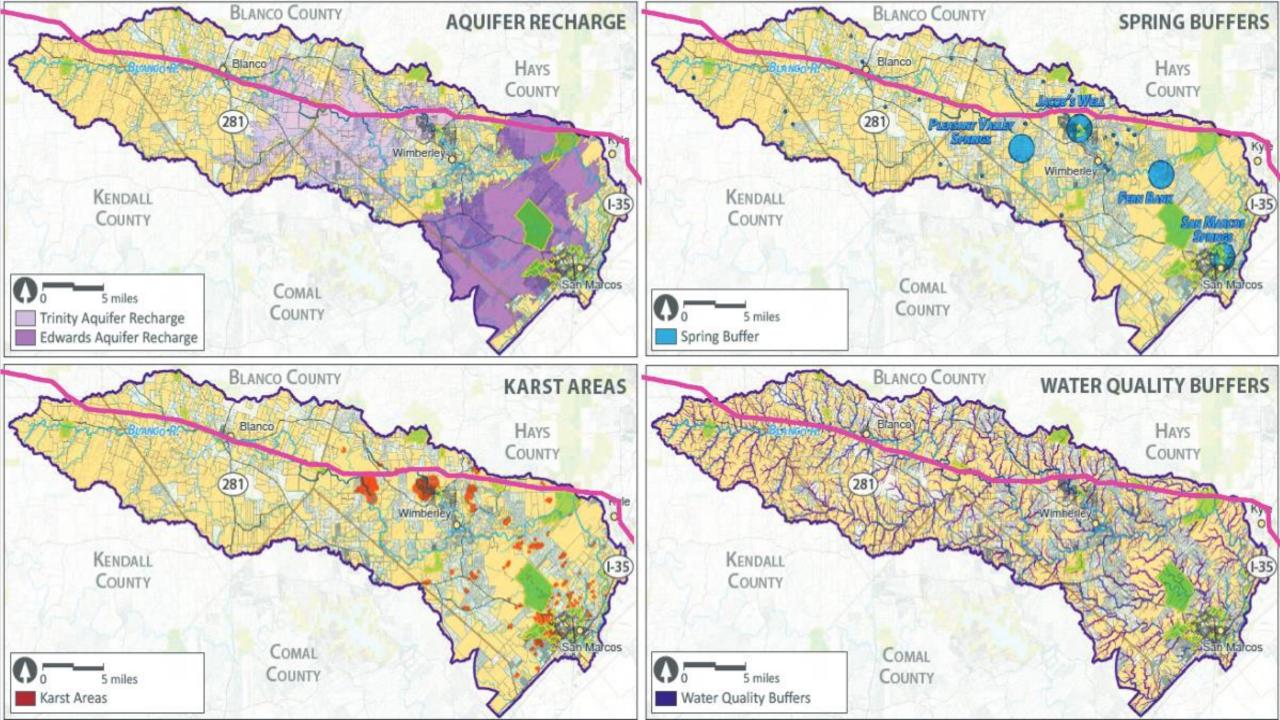




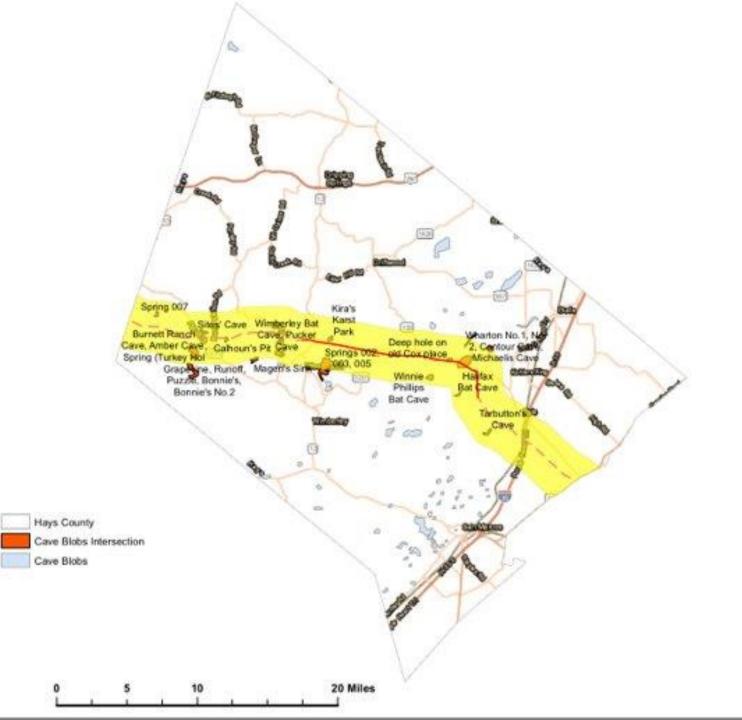


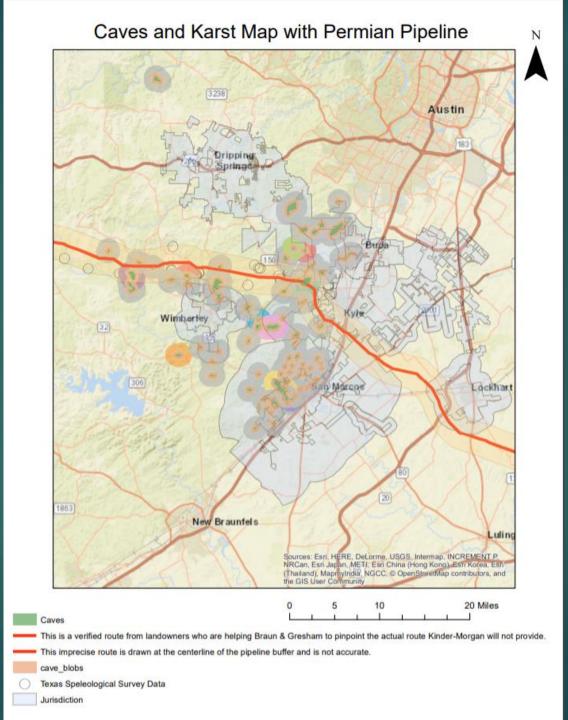




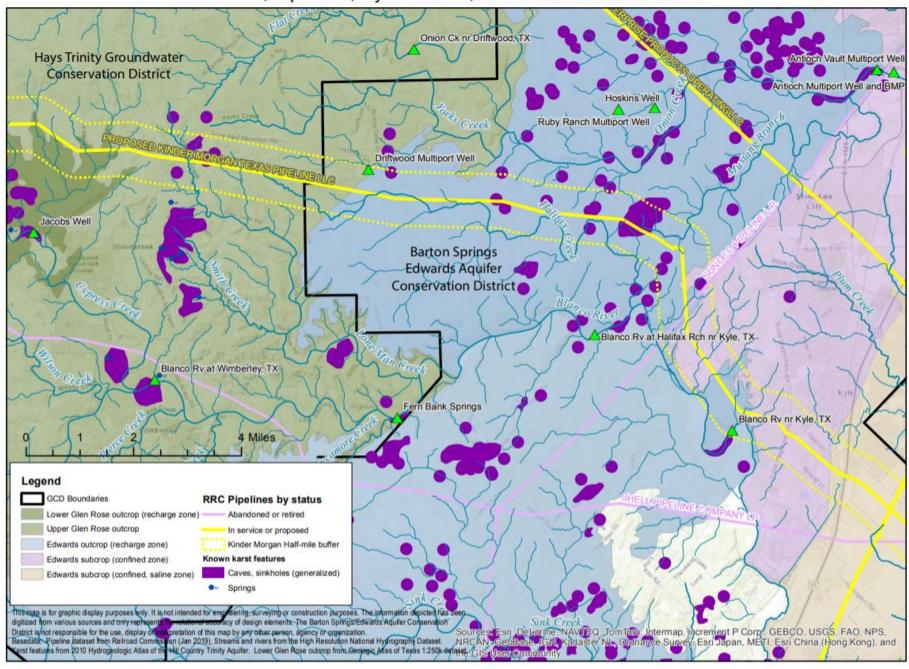


Watershed Boundaries & Cave Features/Karst Terranes



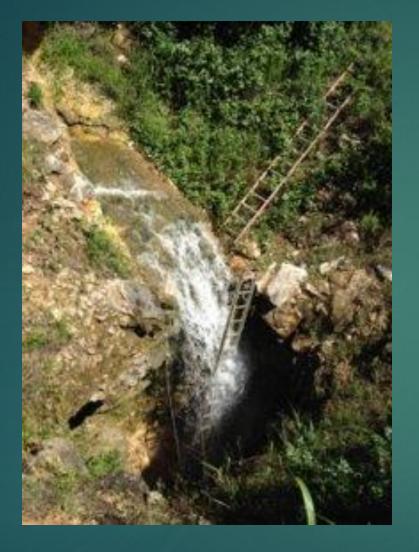


BSEACD, Pipelines, Hydro Zones, and Known Karst Features



Voids, Caves & Sinkholes













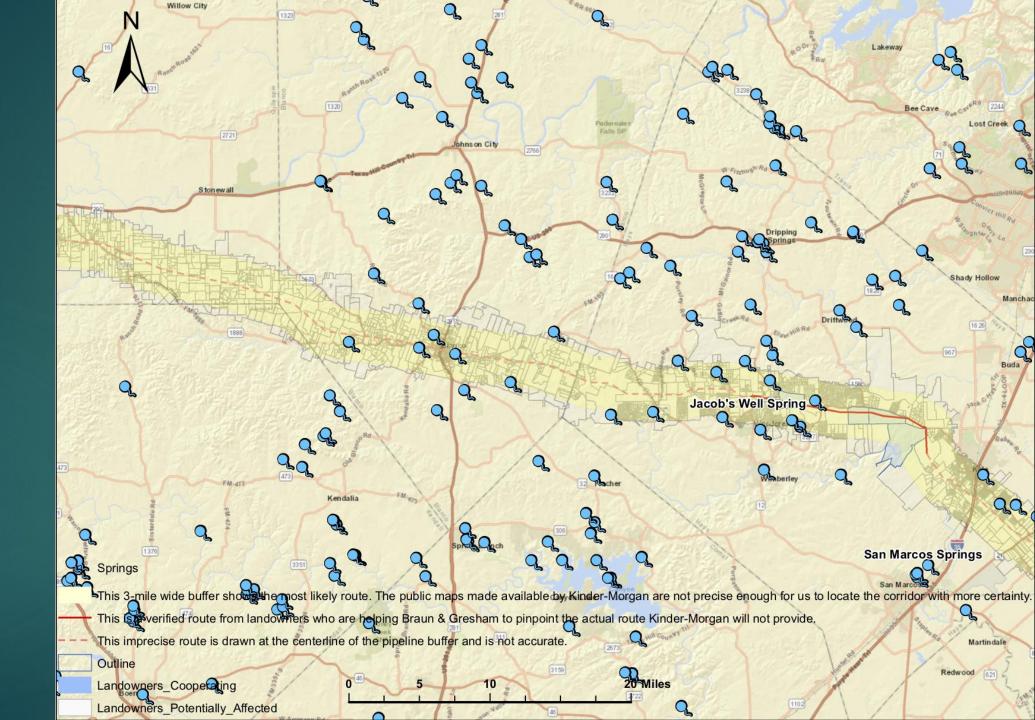




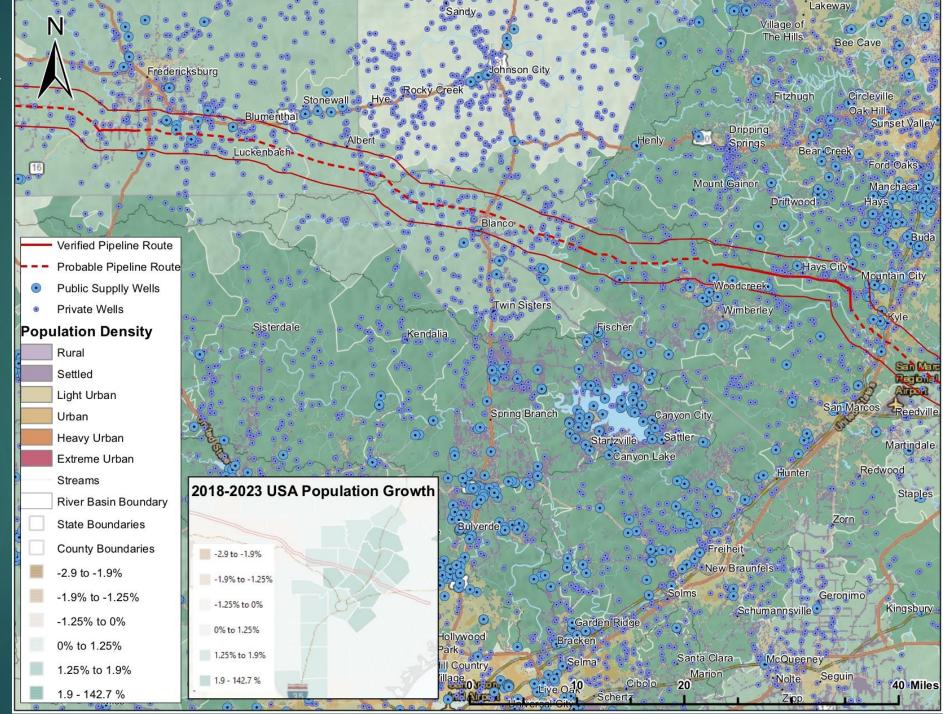




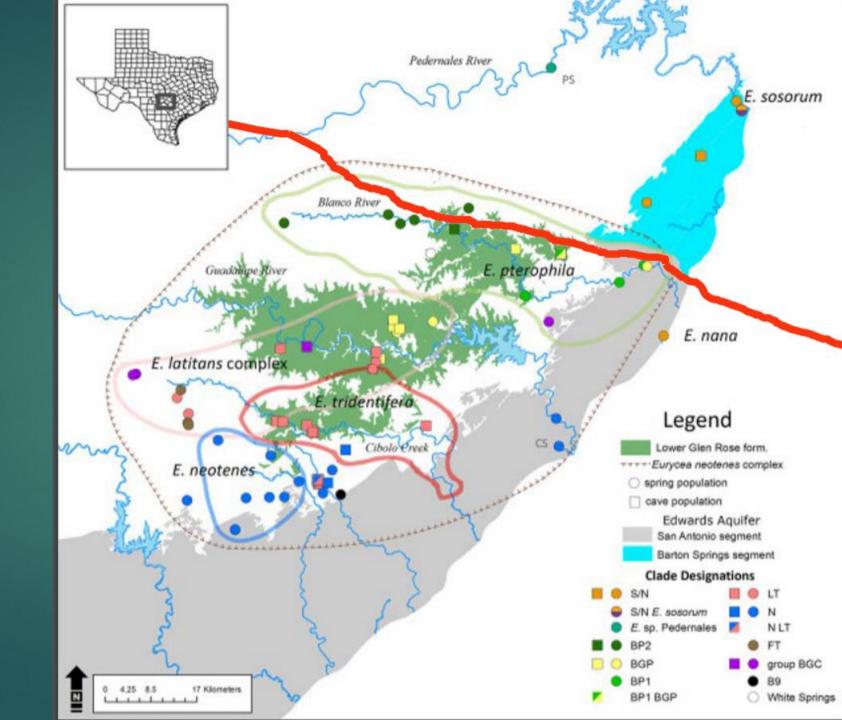
Springs



Public Water Supply Wells

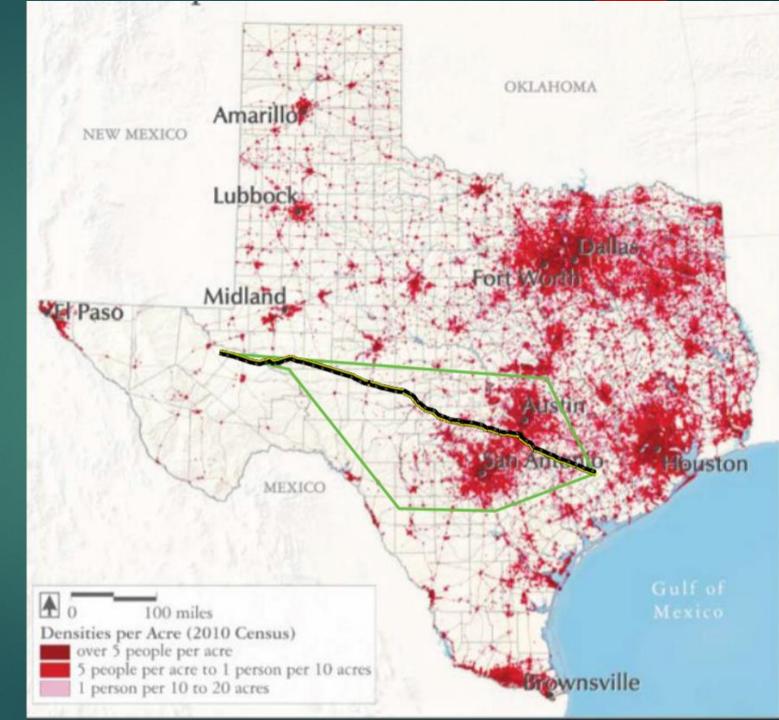


Salamander populations in the Aquifer



Alternate Routes

- Avoid the senstivie topogarphy and aquifers of the Hill Country
- Avoid population density and growth
- Are within 30 miles of the current pipeline length



Explosions, Leaks & Evacuations



For the Permian Highway Pipeline, the evacuation zone is a **1.4 mile diameter** from the line.

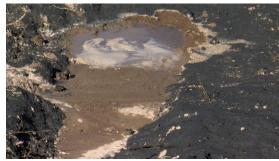
Fire supression contaminants will enter the aquifer and contaminate groundwater in an event such as this.

New Mexico: Dec. 2018

- 250,000 gal. Of gasoline were spilled into an agricultural ditch
- ▶ 168,000 gal. Were recovered
- ▶ 82,000 gal. Lost
- How much oil, gas, and other hydrocarbons would we lose in our karst aquifers?







Questions & Concerns

- ► Has KM estimated the number of karst features?
- ►What are the construction methods to eliminate potential impacts to karst features?
- ► Will KM develop a void mitigation plan?
- Will background water-quality sampling of wells be conducted?
- ► Will the pipeline be double-walled?
- ► Will KM conduct ongoing sampling of Trinity & Edwards Aquifer wells for possible pipeline contaminants?
- What liquids might be in the pipeline and how much could be released if a leak or spill occurs?
 Will KM notify GCDs if pipeline switches from transporting natural gas to crude or other liquid?
 What resources will be in place to respond in the event of a leak/contamination?
 In the event of drinking water contamination, what actions will be taken to protect water users?