



# ***Authorization of Texas Water Development Board Brazos River Alluvium Aquifer Study***

***Presented by***

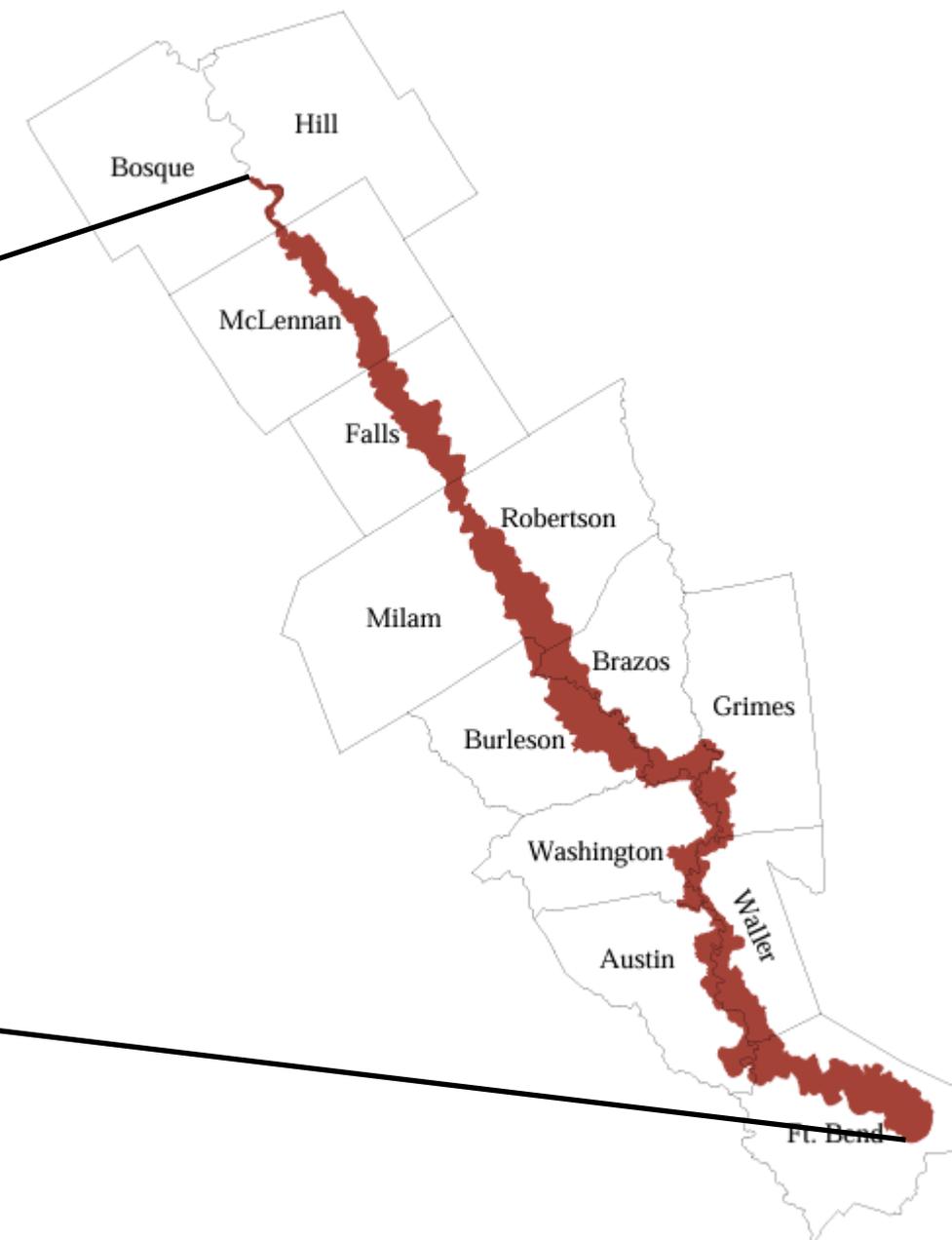
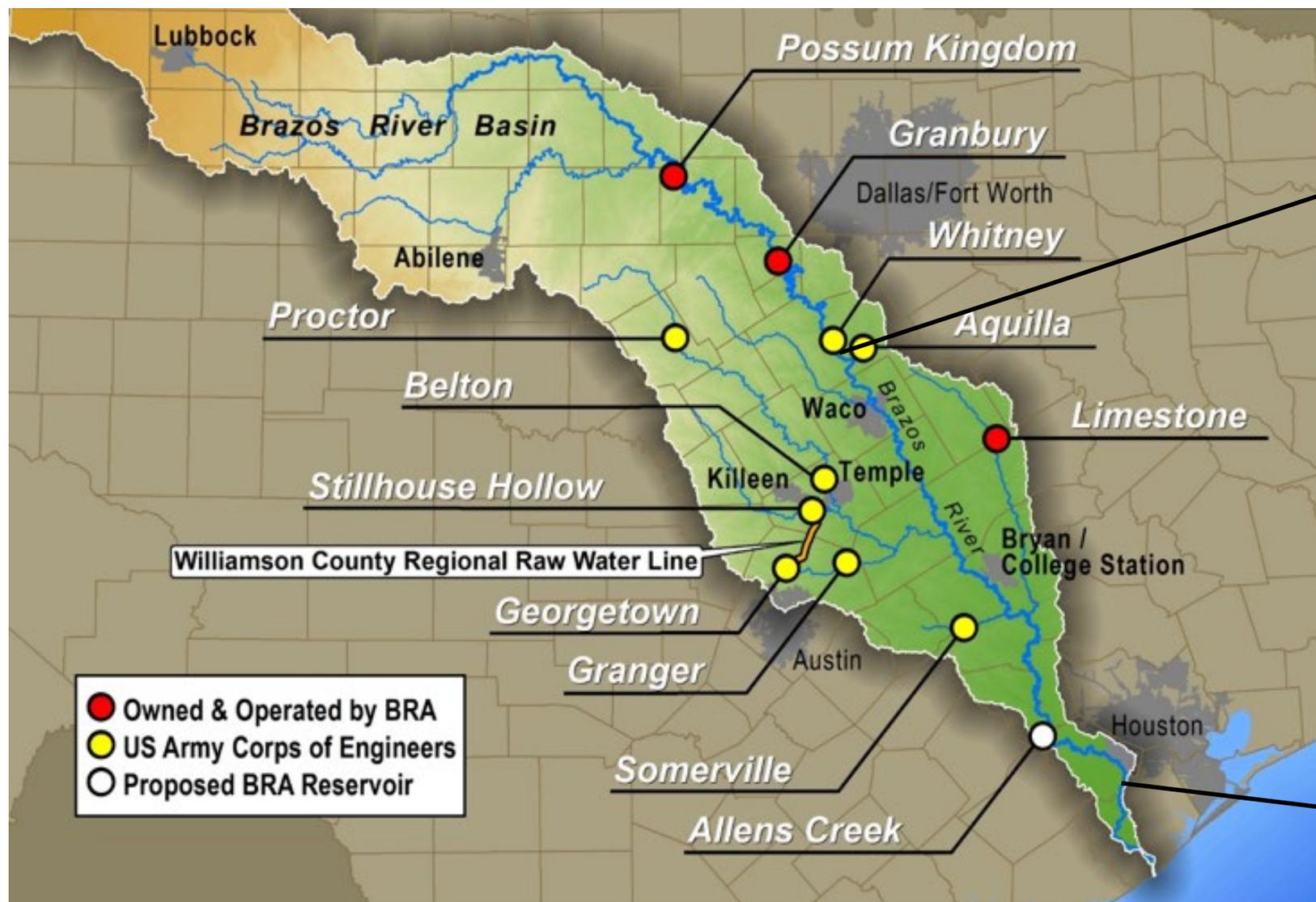
***Aaron Abel***

***Water Services Manager***



# Brazos River Alluvium

Brazos River Alluvium





# *Proposed Study*

- **Aerial Electromagnetic Survey of 150 mi<sup>2</sup> of the aquifer**
- **Evaluate and interpret survey results with geologic and hydrologic information**
- **Creation of GIS mapping of subsurface geology of aquifer**





# Study Area



Explanation	
	AEM survey boundary
	BRAA area of interest

Proposed AEM survey  
22 km NW-SE  
18 km NE-SW  
NW-SE line orientation (long dimension)  
100-, 200-, or 400-m line separation

2022 NAIP imagery (60 cm)



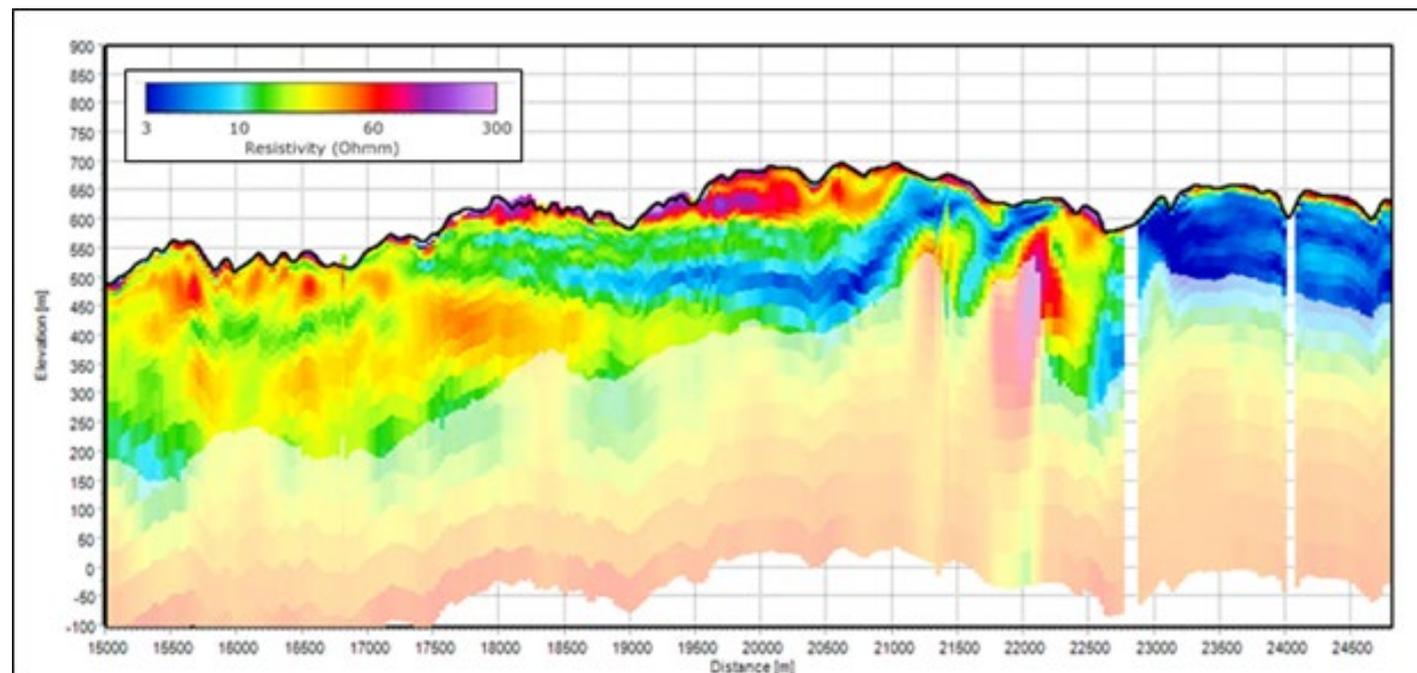
# Contributing Stakeholders and Timeline

## Contributing Stakeholders

- Texas Water Development Board: \$200K
- Gulf Coast Water Authority: \$50K
- Harris Galveston Subsidence District: \$25K
- Fort Bend Subsidence District: \$25K
- BRA: \$100K
- Total Study Cost: \$400K

## Timeline/Schedule

- Survey: Completed by end of May 2025
- Evaluate Survey Results: Completed by End of Sept. 2025
- Interpret survey results: Completed by end of 2025
- Documentation and Report: Completed by end of May 2026





**“BE IT RESOLVED** that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to contribute up to \$100,000 to the Texas Water Development Board Brazos River Alluvium Aquifer Study to further develop the understanding of the relationship between groundwater and surface water systems; and

**BE IT FURTHER RESOLVED** by the Board of Directors of the Brazos River Authority that the General Manager/CEO is authorized to negotiate and execute any required contracts or inter-local agreements with the Texas Water Development Board that are necessary to facilitate the contribution and execution of the scope of work for the study.”



Brazos River Authority



**Brazos**

— ★ —  
**RIVER AUTHORITY**