

# **LCRA's Water Supply Projects and Strategies**

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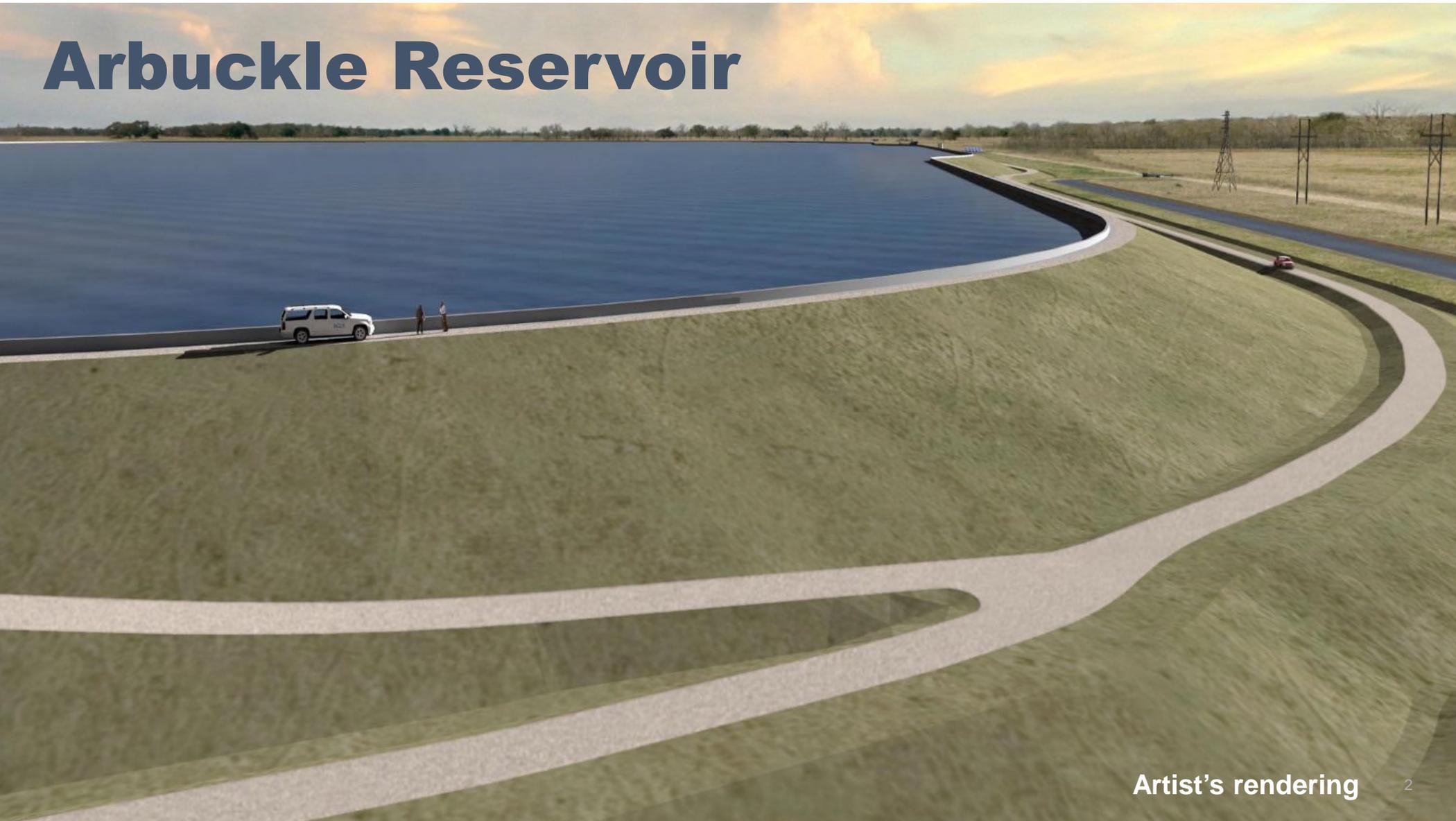
**Water Operations Committee Meeting  
Sept. 23, 2020**



# Planning for Future Water Demand

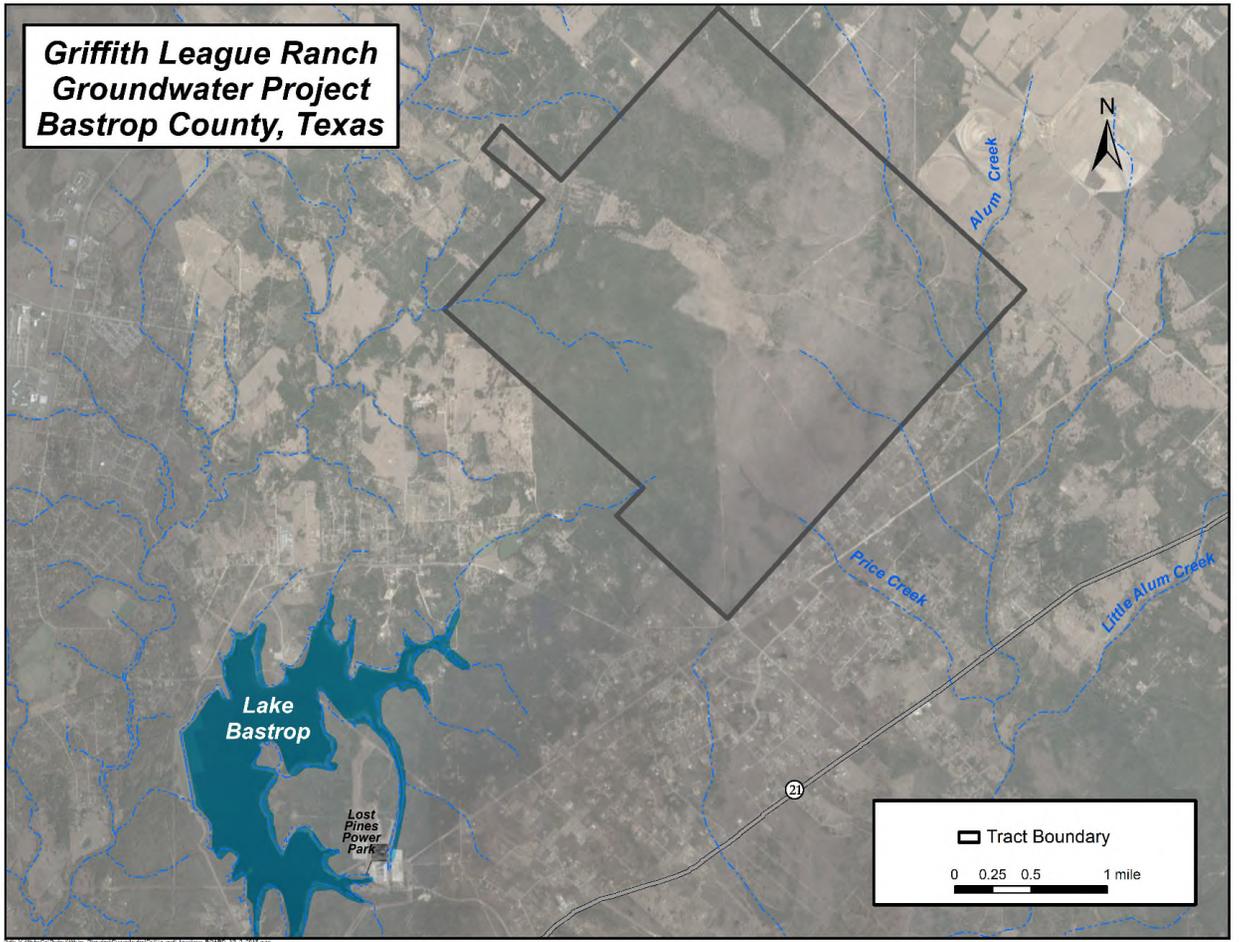
Projects and Strategies (25-year horizon)	System Firm Yield (acre-feet per year)	Interruptible Yield (a-f per year)	Operational Efficiency
<b>Projects underway or recently completed:</b>			
Arbuckle Reservoir	<b>Up to 90,000</b>		
Prairie Regulating Reservoir		Up to 20,000	Yes
Lost Pines Power Park groundwater	<b>Up to 10,000</b>		
Griffith League Ranch groundwater	<b>Up to 25,000</b>		
<b>New water supply strategies:</b>			
Midbasin storage	<b>Up to 10,000</b>		Yes
Import water from Williamson County	<b>Up to 35,000</b>		
Brackish groundwater (Stryker) wells	To be determined		Yes
Additional groundwater	To be determined		

# Arbuckle Reservoir



Artist's rendering

**Griffith League Ranch  
Groundwater Project  
Bastrop County, Texas**



# Griffith League Ranch Groundwater

# Surface Water Permit Amendments

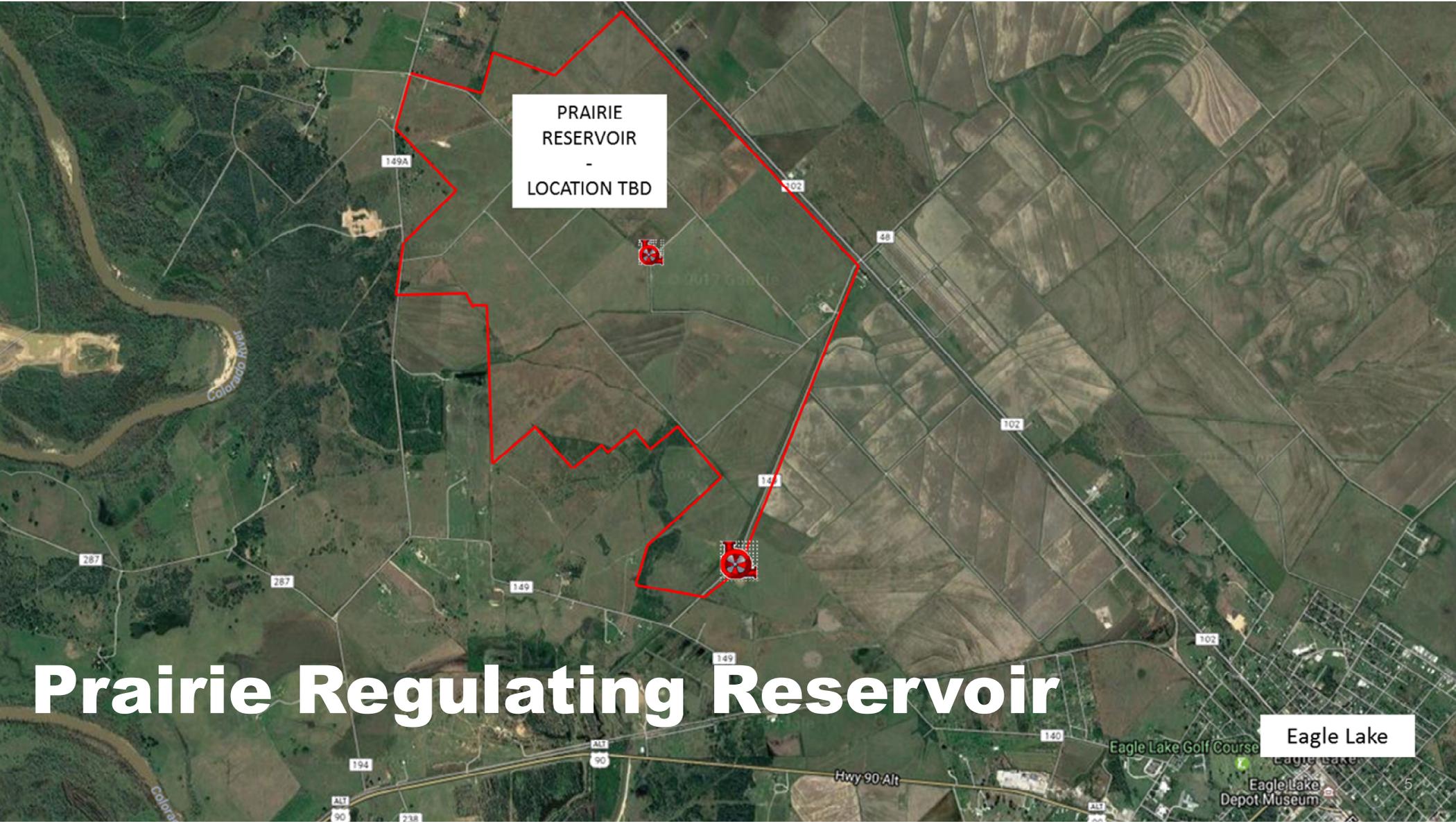
## Completed:

- Gulf Coast
- Garwood

## Pending:

- Excess Flows amendment
- LCRA-Austin Joint Application for Reuse
- LCRA-South Texas Project diversion amendment

**Future Amendments: Would add diversion locations and storage**



PRAIRIE  
RESERVOIR  
-  
LOCATION TBD

# Prairie Regulating Reservoir

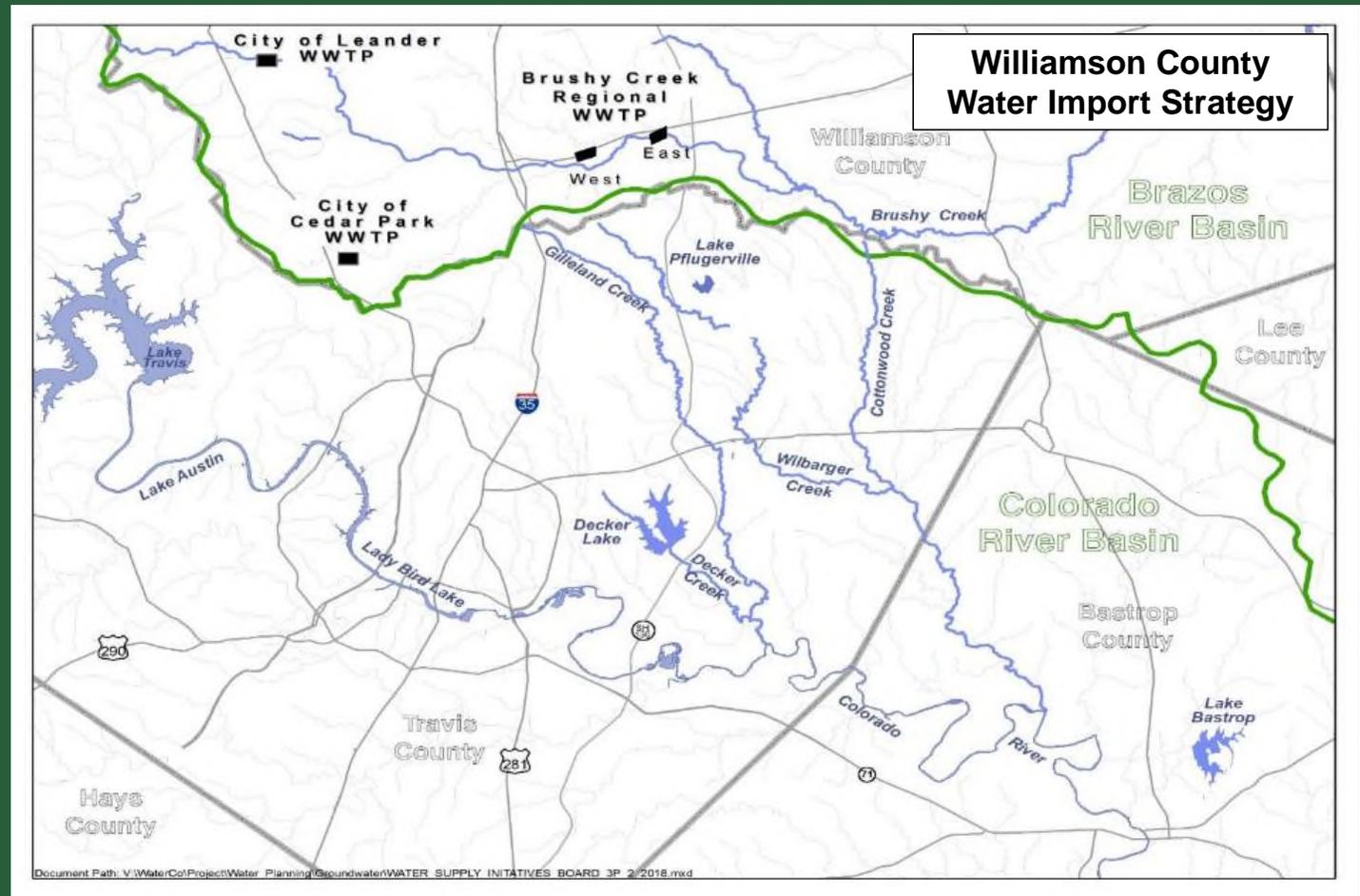
Eagle Lake

Eagle Lake Golf Course

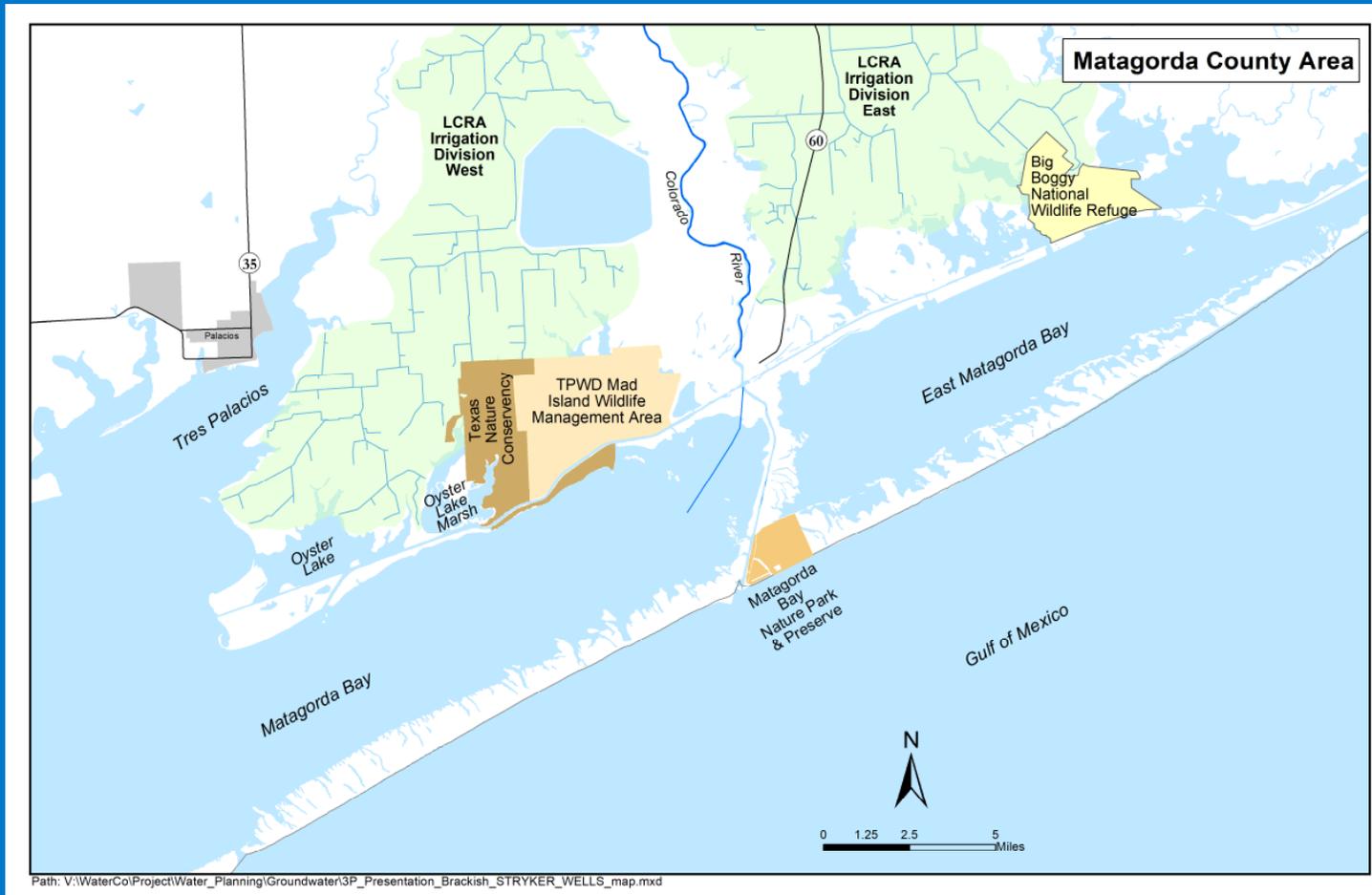
Eagle Lake  
Depot Museum

# Williamson County Water Import Strategy

- Simple concept, difficult execution
- House Bill 1437 and the 25,000 acre-feet
- No net loss
- Effluent as a source of supply



# Brackish Groundwater/Stryker Wells



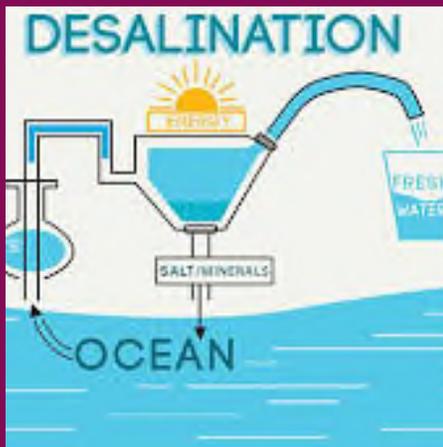
# Midbasin Storage

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Additional Storage Closer  
to High-Demand Areas

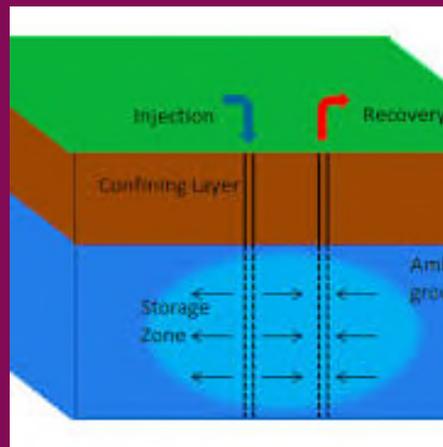


# Additional Strategies



## Desalination

Brackish and Gulf  
seawater



## Aquifer Storage

Aquifer storage and  
recovery with  
off-channel reservoir



## Groundwater

Additional  
conjunctive use



## Importation

Future opportunities  
to partner

# Water Supply Resources Plan/Report



# Planning for Future Water Demand

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# Questions?

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