

2025 TWDB  
Agricultural  
Conservation Grants

# TWDB Fiscal Year 2025 Agricultural Water Conservation Grants

Suggested Category: Remote Sensing Data to Assist with Estimating Agricultural Irrigation Water Use

Due date, 2:00 p.m., March 19, 2024

Continue supporting TWDB efforts to use remote sensing to understand groundwater flow in the alluvium

- Currently finishing GW-SW interaction study in the Brazos Alluvium using OpenET and SWOT
- UT Bureau Economic Geology (BEG) will soon develop an Airborne Em Survey of the Brazos River Alluvium

Study would focus methodologies to identify irrigated vs non-irrigated crops accurately and to estimate water usage.

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## Benefits:

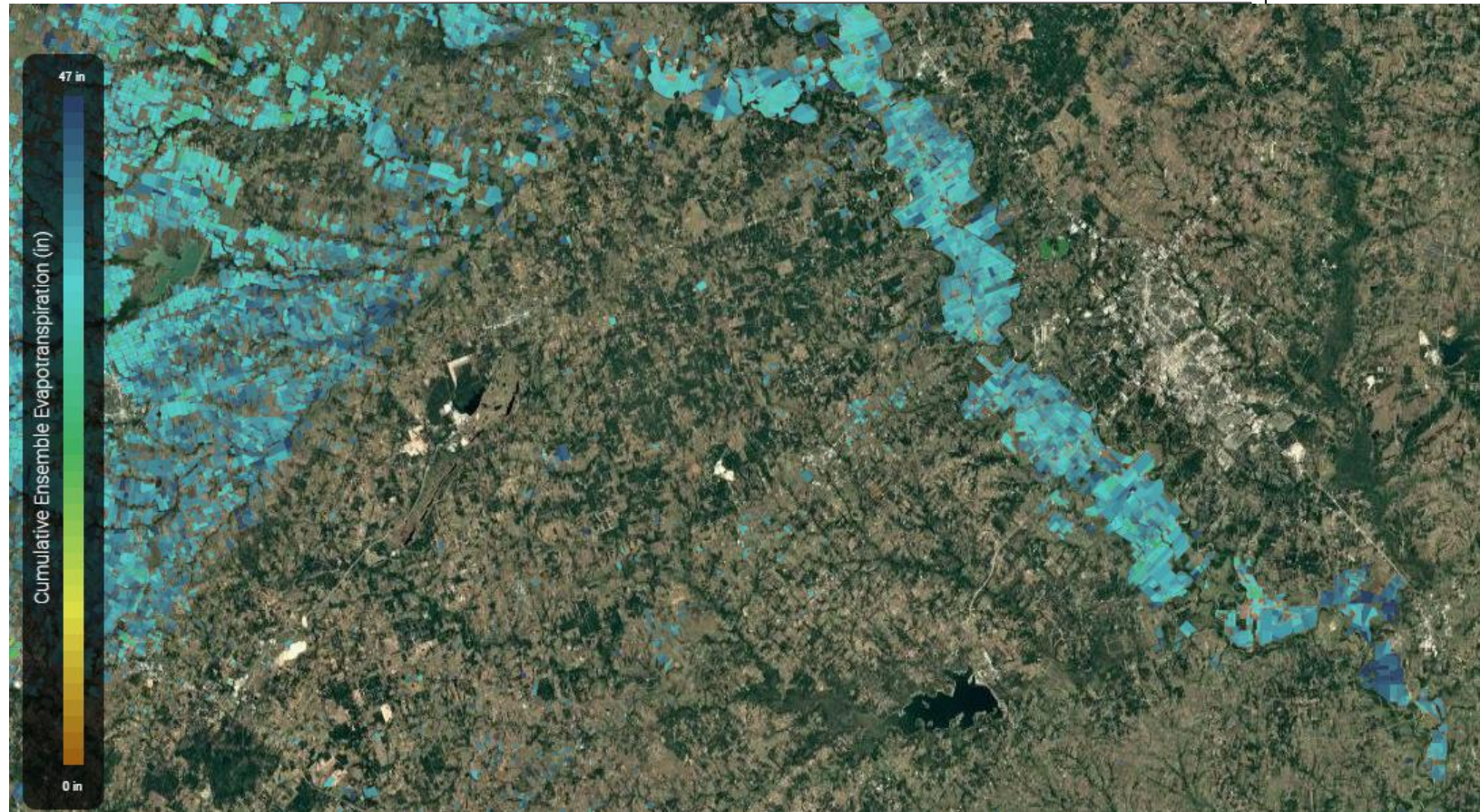
- Better understand water budgets along entire Brazos Alluvium
- Improve methods for estimating recharge
- Support analyses regarding SW-GW interactions
- Help monitor water usage across district
- Help to develop methods to improve water conservation state-wide.
- Recognition as a leader in application remote sensing methodologies

## Estimated Budget:

- \$250,000 (80% TWDB Ag Grant and 20% from POSGCD)



Example:  
identification  
of agriculture  
and water  
usage using  
remote  
sensing.



Proposed studied will support ground evaluation and estimation of agricultural water usage using remote sensing.