

# WATER for TEXAS

## *Water for the Future*



Kathleen Jackson, P.E.  
Texas Alliance of Groundwater Districts  
Texas Groundwater Summit  
August 20, 2019

**Texas Water**   
**Development Board**





# OUR MISSION

To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas.





## State Flood Assessment



REPORT TO THE  
LEGISLATURE

86TH LEGISLATIVE SESSION



*Published January 2019*



Effective flood risk management:  
Mapping,  
Planning, and  
Mitigation



# NEW TEXAS FLOOD PROGRAMS

## WHAT WE KNOW WORKS FROM STATE WATER PLANNING...



- Data and science driven
- Bottom up process
- Coordinated regional approach
- Financing linked to planning



# NEW STATE FLOOD PLANNING & FUNDING PROGRAMS

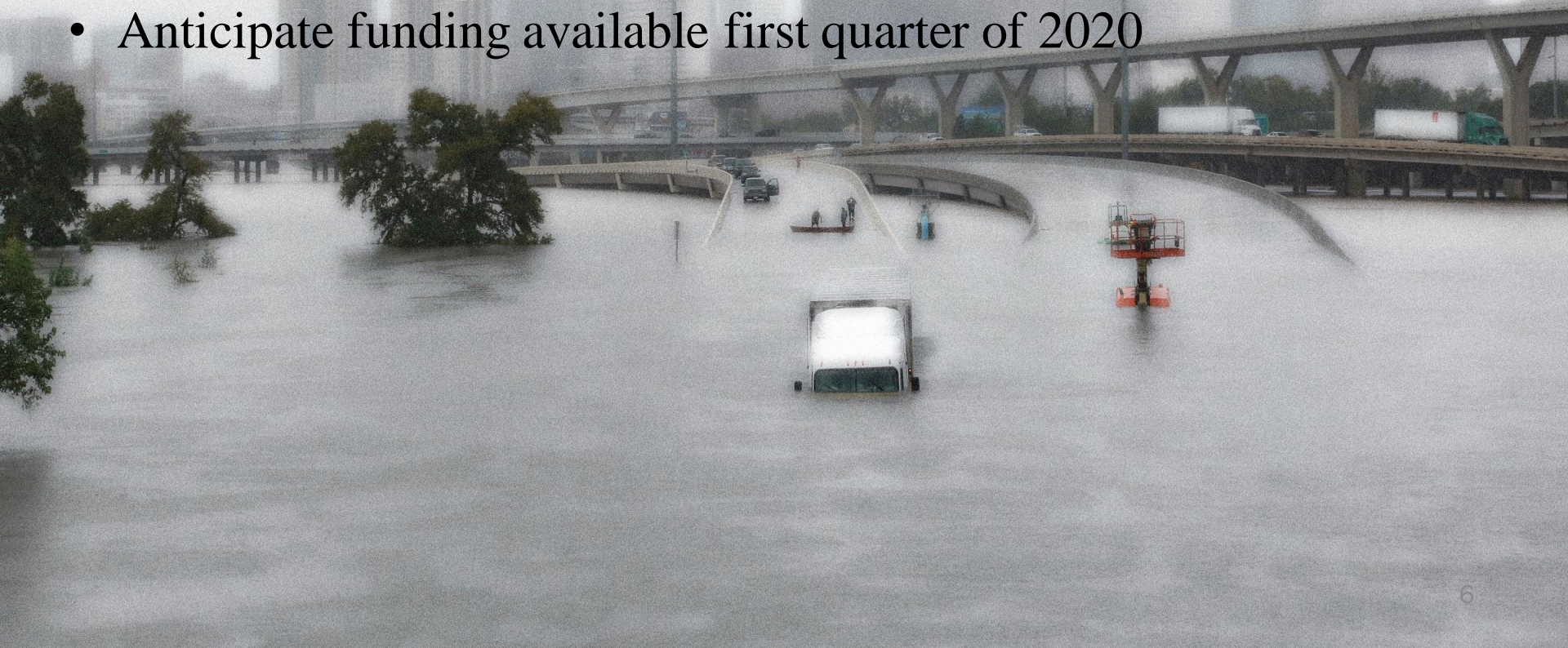
## OUTCOME OF 2019 LEGISLATIVE SESSION

<u>PLANNING</u>	<u>FUNDING</u>	
State Flood Plan	Flood Infrastructure Fund (FIF)	Texas Infrastructure Resiliency Fund (TIRF)
Establishes state flood planning process	\$793M transfer to TWDB from Rainy Day Fund	<b>Hurricane Harvey Account</b> - \$638M <ul style="list-style-type: none"> <li>- TWDB will provide \$ to Texas Division of Emergency Management</li> <li>- TWDB &amp; TDEM establish prioritization</li> <li>- TDEM prioritizes and approves financing for projects</li> </ul>
Flood planning regions based on river basins	Designed to make the implementation of drainage and flood projects more affordable & meet immediate needs for funding	<b>Floodplain Management Account</b> - \$47M <ul style="list-style-type: none"> <li>- Development of State Flood Plan</li> </ul>
Decision making based on data and science through modeling and mapping	Rulemaking process will consider types of flood projects eligible for funding, structural (levees and channels) and non-structural (wetlands and elevation)	<b>Federal Matching Account</b> - \$200M to GLO <ul style="list-style-type: none"> <li>- Local match for USACE projects funded partially by federal \$ <i>(portion of Coastal Spine)</i></li> </ul>
Initial regional flood planning groups formed by mid-2020  First State Flood Plan due 2024	Funding available in 2020	<b>Flood Plan Implementation Account</b> <ul style="list-style-type: none"> <li>- Future funding to implement State Flood Plan projects</li> </ul>



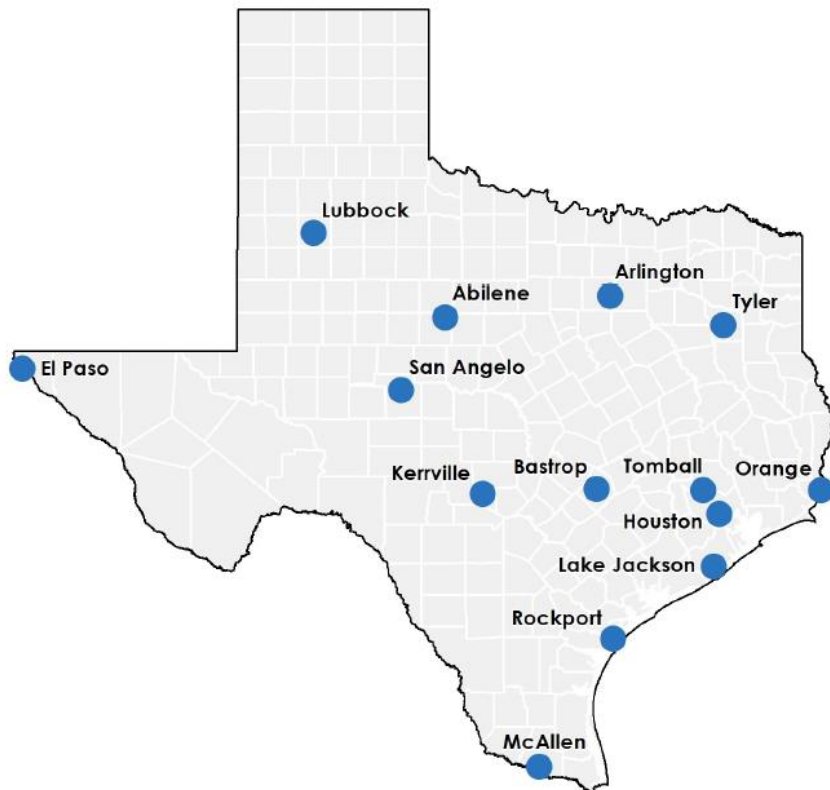
# GET ENGAGED TO EFFECT CHANGE!

- Flood workshops in August seeking stakeholder input for State Flood Plan, Flood Infrastructure Fund & Texas Infrastructure Resiliency Fund
- Formal rulemaking this fall
- Anticipate TWDB adopting rules in early 2020
- Anticipate funding available first quarter of 2020





# FLOOD STAKEHOLDER WORKSHOPS

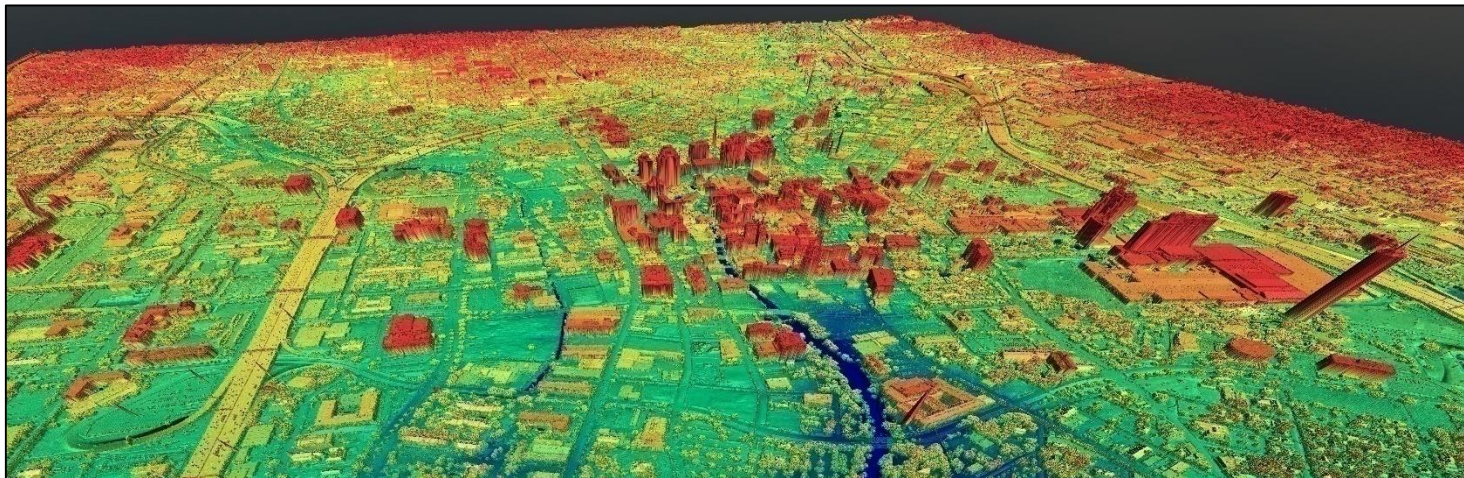


Date	Workshop details	
Tuesday, August 6	<b>LCRA Riverside Conference Center</b> 1405 Willow St. Bastrop, TX 78602 9:30-11:30 a.m.	<b>J. Michael &amp; Bridget Shahan Events Center at Lamar State College</b> 209 W. Green Ave. Orange, TX 77630 9:30-11:30 a.m.
Wednesday, August 7	<b>Ornelas Activity Center at The University of Texas at Tyler</b> 3402 Old Omen Rd. Tyler, TX 75707 9:30-11:30 a.m.	
Thursday, August 8	<b>El Paso Water's Tech2O Learning Center</b> 10751 Montana Ave. El Paso, TX 79935 9:30-11:30 a.m.	<b>Trinity River Authority General Office</b> 5300 S. Collins St. Arlington, TX 76018 9:30-11:30 a.m.
Friday, August 9	<b>McKenzie-Merket Alumni Center</b> 1666 University Ave. Lubbock, TX 79410 9:30-11:30 a.m.	<b>Beckendorf Conference Center at Lone Star College-Tomball</b> 30555 Tomball Pkwy. Tomball, TX 77375 9:30-11:30 a.m.
Tuesday, August 13	<b>Guadalupe Basin Natural Resource Center</b> Upper Guadalupe River Authority 125 Lehmann Dr. Kerrville, TX 78028 9:30-11:30 a.m.	<b>City of Lake Jackson Civic Center</b> 333 HWY 332 E. Lake Jackson, TX 77566 9:30-11:30 a.m.
Wednesday, August 14	<b>The Cactus Hotel</b> 65 E. Twohig Ave, 15th floor San Angelo, TX 76903 9:30-11:30 a.m.	<b>Saltwater Pavilion at Rockport Beach</b> 210 Seabreeze Dr. Rockport, TX 78382 9:30-11:30 a.m.
Thursday, August 15	<b>Abilene Convention Center</b> 1100 N. 6th St. Abilene, TX 79601 9:30-11:30 a.m.	<b>Texas A&amp;M Higher Education Center at McAllen</b> 6200 Tres Lagos Blvd. McAllen, TX 78504 9:30-11:30 a.m.
Monday, August 19	<b>Online webinar</b> 9:30-11:30 a.m. Additional details to follow	
Friday, August 23	<b>Houston City Hall</b> Council Chamber, 2nd floor 901 Bagby St. Houston, TX 77002 9:30-11:30 a.m.	



# TWDB ALSO RECEIVED FUNDING TO...

- Acquire high-resolution land surface (LiDAR) data to better evaluate floodplains and flooding levels;
- Develop hydraulic river models for priority watersheds;
- Develop coastal circulation and rainfall-runoff models;
- Update reservoir flood pool measurements;
- Expand the TexMesonet earth observation network;
- Create a web-based flood dashboard/water data hub



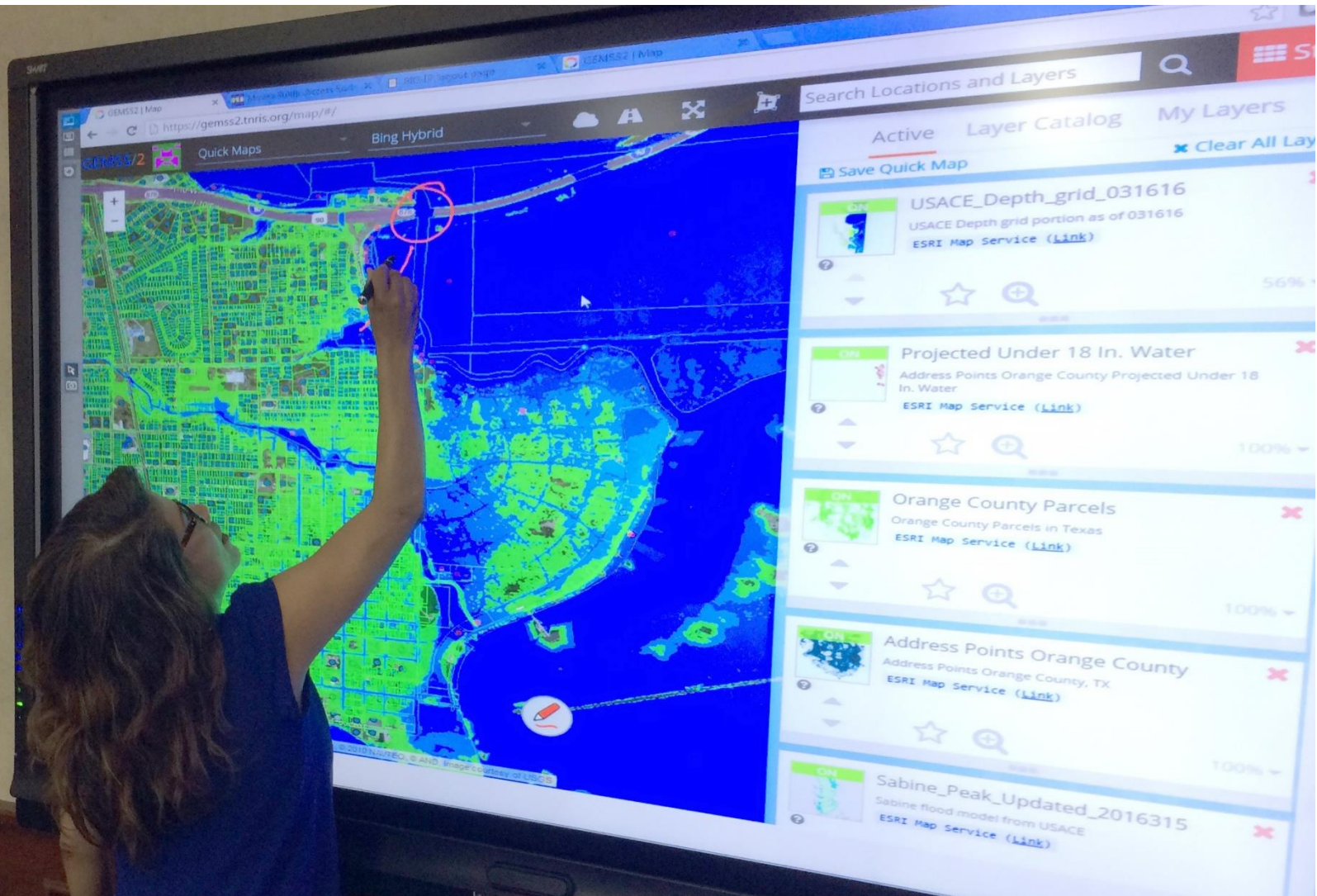


# MAINTAIN & EXPAND [WWW.TEXMESONET.ORG](http://WWW.TEXMESONET.ORG)





# CREATE AN ONLINE WATER DASHBOARD AND DATA HUB









# ISSUES TO CONSIDER FOR STAKEHOLDER FEEDBACK

**Comments Due August 30!**

Texas Water Development Board  
Implementation of Flood Legislation  
from the 86th Texas Legislative  
Session  
Issues for Stakeholder Consideration and Request for Feedback

Texas Water  
Development Board  
July 29, 2019

	<u>FUNDING ISSUES</u>	<u>PLANNING ISSUES</u>
<b>Issue 1</b>	Form of Financial Assistance?	Planning Group Membership?
<b>Issue 2</b>	Prioritization System?	Planning Standards and Parameters?
<b>Issue 3</b>	What Projects get Prioritized?	Planning Area Boundaries?
<b>Issue 4</b>	Property Buyouts?	Benefit-Cost Analysis?
<b>Issue 5</b>	MOU's w/ Pol. Subdivisions in Watershed?	Neighboring Area Impacts?
<b>Issue 6</b>	Flood Control Planning?	Flood Planning Guidance Principles?
<b>Issue 7</b>	What Have We Not Thought About?	Preliminary Outline for Flood Planning Rules?



# DOWNLOAD TWDB'S FLOOD IMPLEMENTATION FUND FAQ



P.O. Box 13231, 1700 N. Congress Ave.  
Austin, TX 78711-3231, [www.twdb.texas.gov](http://www.twdb.texas.gov)  
Phone (512) 463-7847, Fax (512) 475-2053

## Frequently Asked Questions

Flood Legislation from the 86th Texas Legislative Session

7/2/2019

### 1. Q: What is the Texas Water Development Board (TWDB)?

**A:** The Texas Water Development Board (TWDB) is a state agency formed in 1957 in response to Texas' record-breaking drought. Prior to the most recent legislative session, the agency had three main responsibilities: assisting with regional water planning and preparing the state water plan every five years; collecting, analyzing, and distributing water-related and geographic data; and providing loan and grant money for Texas water, wastewater, and flood projects. As a result of the 2019 legislative session, however, the TWDB's flood programs have significantly expanded.

Discussions with stakeholders and the legislature regarding the need for a strategic document to identify solutions addressing statewide flood risks began in summer 2016. In 2017, the 85th Legislature subsequently provided funding for the TWDB to conduct a statewide survey to better understand flood planning and mitigation needs. This work culminated in the agency's publication of a first-ever [State Flood Assessment](#) in January 2019, available online at [www.texasfloodassessment.com](http://www.texasfloodassessment.com).

Continuing this work, the 86th Legislature recently charged the TWDB with creating the state's first state flood plan, to be adopted in 2024, and implementing two new funds, the Flood Infrastructure Fund (FIF) and the Texas Infrastructure Resiliency Fund (TIRF). Over the next year, the agency will also expand its existing flood-related programs, including floodplain mapping and development of an online dashboard of flood- and water-related information. As part of this effort, the TWDB will also establish a clearinghouse of information about state and federal flood planning, mitigation, and control programs that may serve as sources of funding for flood projects.

### 2. Q: What is the state flood plan?

**A:** The state flood plan will be the product of a comprehensive effort intended to better manage flood risks, including providing greater protection for Texans against loss of life

#### Our Mission

To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas

#### Board Members

Peter M. Lake, Chairman | Kathleen Jackson, Board Member | Brooke T. Paup, Board Member

Jeff Walker, Executive Administrator



# SIGN UP FOR EMAILS ON TWDB'S NEW FLOOD PROGRAMS!

**Registration**

To join our mailing list, please complete the information below and click Sign Up.

\* Email Address

\* First Name

\* Last Name

Address  
City

Select a state/province ☐ Zip Code

Company

Email Lists

☒ Flood Information (TWDB electronic newsletter, flood planning information, flood risk, flood funding, National Flood Insurance Program, events, website updates)

☐ TWDB Conservation Information (TWDB electronic newsletter, educational information, events, website updates)

☐ TWDB Financial Assistance Information (TWDB electronic newsletter, state revolving fund information, intended use plan information, application information, website updates)

☐ TWDB General Information (TWDB electronic newsletter, Board meeting reminders, events, surveys, website updates)

☐ TWDB Groundwater Information (TWDB electronic newsletter, desired future condition information, events, website updates)

☐ TWDB SWIFT Information (Notifications for public comments and public meetings)

☐ TWDB Texas Natural Resources Information System (TWDB electronic newsletter, events, geographic information system information, website updates)

☐ TWDB Water for Texas conference

☐ TWDB Water Resources Planning Information (TWDB electronic newsletter, regional water plan information, events, website updates)



# TWDB EXCEPTIONAL ITEMS FUNDED

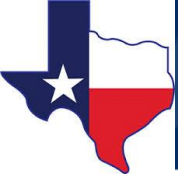
## Groundwater Funding Package (\$3,000,000)

- Accelerate mapping and characterization of brackish aquifers
- Update Groundwater Availability Models (GAMs)

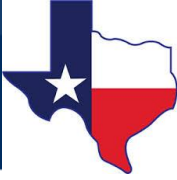


*Texas has an estimated 2.7 billion acre-feet of brackish groundwater*





# BUILDING A STRONGER TEXAS



January 2019



# HOW TO CONTACT ME



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