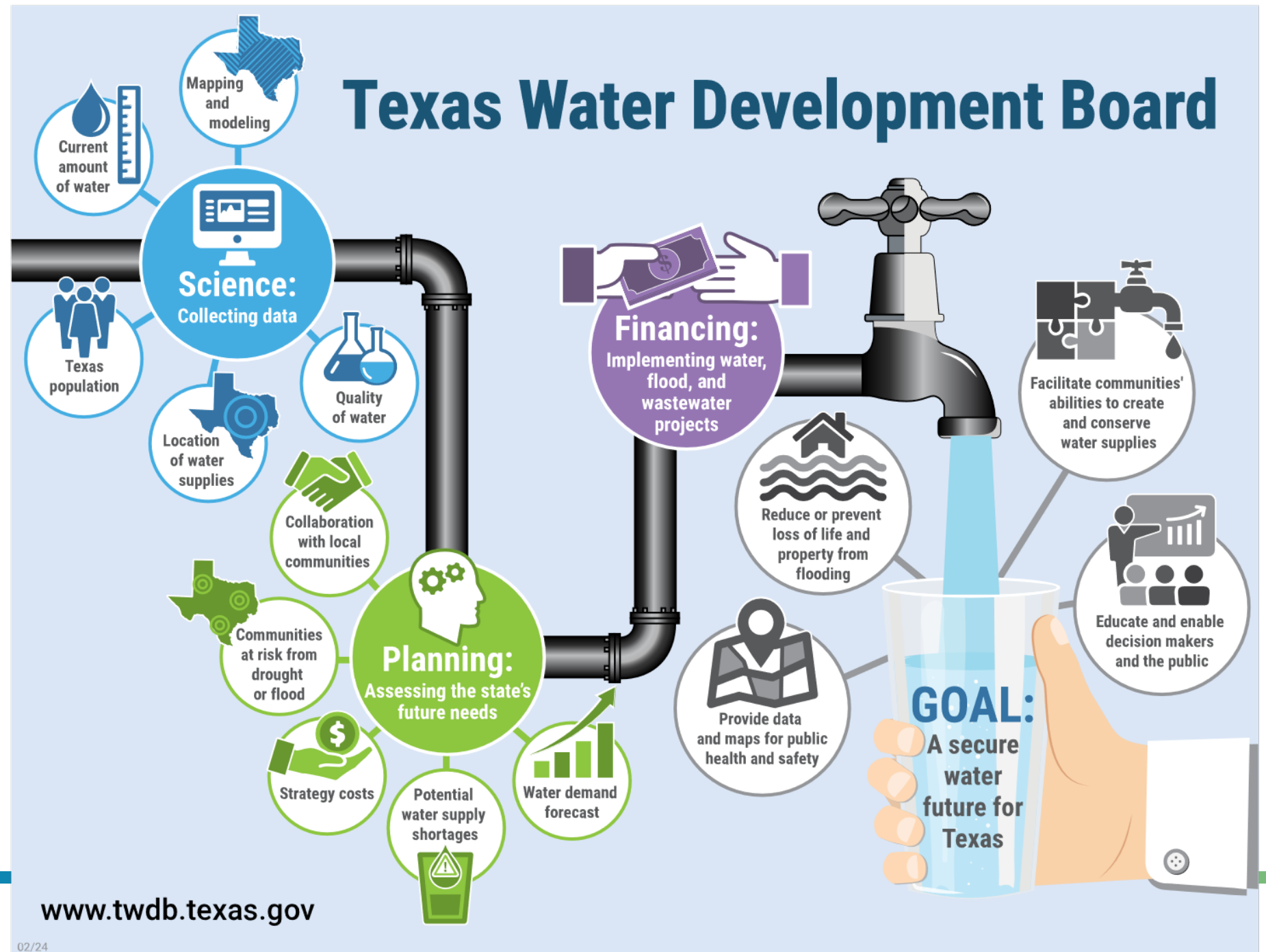


TWDB Role in the Senate Bill 3 Process for Environmental Flows

Caimee A. Schoenbaechler, MEM, Coastal Science Manager
Trinity and San Jacinto Rivers and Galveston Bay
Basin and Bay Area Stakeholder Committee Meeting
May 1, 2024

The statements contained in this presentation are my current views and opinions and are not intended to reflect the positions of, or information from, the Texas Water Development Board, nor is it an indication of any official policy position of the Board.

Ensuring a secure water future for Texans



TWDB Assistance to the SB3 Process

- Provide input for TCEQ's biennial report on TWDB activities/recommendations for the statewide workplan
 - Texas Water Code Section 11.1471(g)(2)
- Provide technical assistance to each BBEST
 - Texas Water Code Section 11.02362(k)
- Provide technical assistance to the Science Advisory Committee
 - Texas Water Code Section 11.02361(f)
- Provide funding for environmental flow studies that support agency strategies
 - General Appropriations Act and Texas Water Code Section 15.4063

Funding for Environmental Flow Studies

- **Strategy A.1.1 Environmental Impact Information**, including to collect, analyze, and facilitate access to data and information to support a sound ecological environment in streams, rivers, bays, and estuaries.
- **Strategy A.1.2 Water Resources Data**, including to collect, analyze, and facilitate access to data and information in support of planning, conservation, and responsible development of surface water and groundwater and to determine the quantity and quality of water available and environmental flow needs.

Recent Studies in the Trinity San Jacinto Basin

Study Title	Contract No.	Contractor
<u>Quantifying hydrological connectivity in the Trinity River Delta</u>	2000012435	The University of Texas-Austin
<u>The Assimilative Capacity of Lake Livingston: Nutrients, Sediments, and High Flow Events</u>	2000012458	Houston Advanced Research Center
Environmental Flows Assessment in the Trinity River Basin	2000012407	Trinity River Authority
Assessment of subseasonal to seasonal streamflow, reservoir storage, and freshwater inflow forecast skills in the Trinity Basin	2300012701	Texas A&M University-College Station
Focused flows to protect estuarine nursery habitats	2300012670	Texas A&M University-Corpus Christi
Developing a 3D SCHISM model for the Texas coast	2300012715	Texas A&M University-Galveston

Visit the Coastal Science project dashboard for access to 49 years of coastal studies



Texas Water Development Board

All Projects

Sabine-Neches Estuary

Trinity-San Jacinto Estuary

Colorado-Lavaca Estuary

Guadalupe Estuary

Mission-Aransas Estuary

Nueces Estuary

Laguna Madre Estuary

Sabine-Neches Estuary

Trinity-San Jacinto Estuary

Colorado-Lavaca Estuary

Guadalupe Estuary

Mission-Aransas Estuary

Nueces Estuary

Laguna Madre Estuary

Contract Title

Search

Bay and Estuary Hydrographic Survey

1996 Bays and Estuary Studies

1998 Bays and Estuaries Studies

3D Circulation Model Advancements

A new concept: Water for Preservation of Bays and Es...

Contractor

Search

Anchor QEA, LLC

Aqua Strategies/Texas State University

Batchelor and Guthrie

BIO-WEST, INC

BMT Fluid Mechanics

Project Title	Report Link	Project Location	Funding Year	Contractor
Coastal Sediment Porewater Salinity Monitoring in Texas	Pending	Lower Laguna Madre	2023	The University of Texas Rio Grande Valley
Developing a 3D SCHISM model for the Texas coast	Pending	Coastwide	2023	Texas A&M University-Galveston
Assessment of subseasonal to seasonal streamflow, reservoir storage, and freshwater inflow forecast skills in the Trinity Basin	Pending	Trinity-San Jacinto Estuary	2022	Texas A&M University - College Station
Continuous Water Quality Monitoring	Data	Coastwide	2022	United State Geological Survey
Focused flows to protect estuarine nursery habitats	Pending	Coastwide	2022	Texas A&M University - Corpus Christi
Guadalupe Delta Ecological Assessment of Freshwater Inflows: Phase 3	Pending	Guadalupe Estuary	2022	Guadalupe Blanco River Authority
Operational Modeling for Oil Spill Response	Data	Coastwide	2022	Texas General Land Office
Assessing cumulative effects of water management strategies on	Report	Brazos River Estuary	2021	HDR Engineering, INC

The logo for the Texas Water Development Board, featuring a stylized blue and green wave icon to the left of the text "TEXAS WATER DEVELOPMENT BOARD" in blue capital letters.

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You're
Invited!

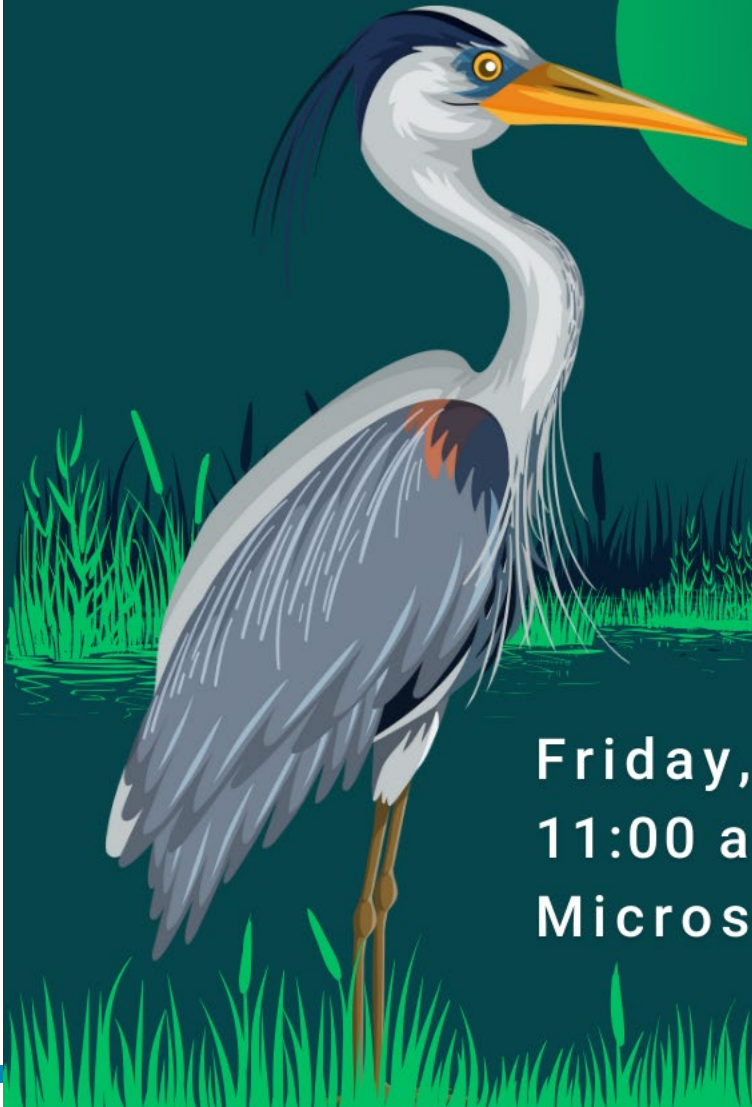


Estuary Science Exchange

featuring Dr. Michael J. Osland
of the U.S. Geological Survey's
Wetland and Aquatic
Research Center

"Beyond just sea-level rise: the
influence of climate on coastal
wetlands in Texas"

Friday, May 16
11:00 a.m. – 12:00 p.m. CDT
Microsoft Teams



Contact Information

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<https://www.twdb.texas.gov>

Stay connected:

