

# NHA Water Committee Meeting



Texas General Land Office  
Commissioner Dawn Buckingham, M.D.



## Texas General Land Office's role in coastal restoration

Texas Coastal Management Program

Coastal Erosion Planning & Response Act

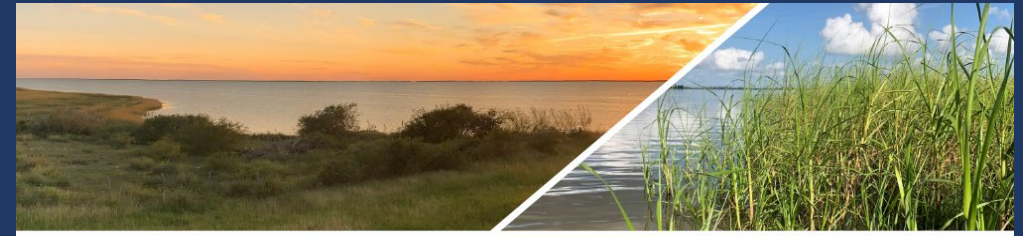
Coastal Texas Study

Coastal Resiliency Master Plan

## Need for sediment

80% of Texas coast is eroding

- Average rate equals 4.1 feet per year



# TEXAS COASTAL RESILIENCY MASTER PLAN



MARCH 2023

Commissioner Dawn Buckingham, M.D.  
Texas General Land Office



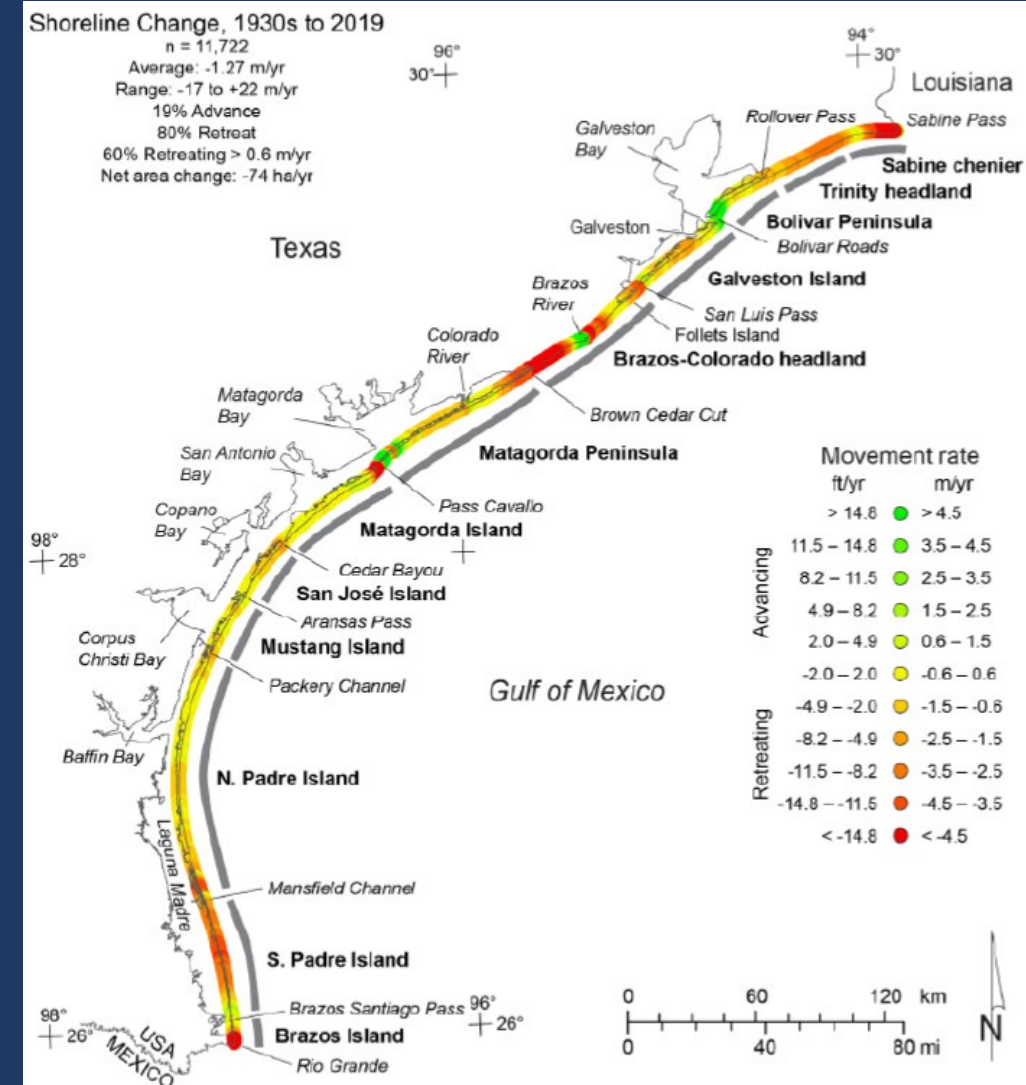


# NEED FOR EFFECTIVE SEDIMENT MANAGEMENT IN TEXAS

- 367 miles of Gulf-facing shoreline 80% of the Gulf-facing Texas coast is eroding, with an average rate of 4.1 feet per year

The **Texas Sediment Management Plan (SMP)** will provide comprehensive sediment management guidance for future coastal resiliency and restoration efforts

Identify · Develop · Permit · Inventory · Allocate · Monitor · Develop or Modify Policy · Prioritize





# Anchor QEA Reservoir Impounded Study

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- 309 Cycle 27 Project
- Three reservoir-coastal resiliency project pairings
  - Lake Livingston: East Bay Living Shoreline and Wetland Restoration Project
  - Lake Texana: Harbor of Refuge Protection and Restoration Project
  - Lake Corpus Christi: Nueces Delta Marsh Restoration Project
- All evaluations were performed at the pre-design level
  - To provide consistent cost comparisons across projects, all assumed 100,000 cubic yards (cy) of dredging



# Anchor QEA Reservoir Impounded Study

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- All reservoirs have substantial accumulated sediments
  - 20 to 200 million cy each
- Most sediments are fine grained (silts and clays with limited sand)
  - Suitable for a variety of projects but generally not beach nourishment
  - More data needed, especially in reservoir deltas



# Future Opportunities

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- CMP / CEPRA Funding cycle March 1, 2025
- CMP / CEPRA Workshops kick off in March.
  - March 4<sup>th</sup> SPI
  - March 5<sup>th</sup> Port Aransas
  - March 6<sup>th</sup> Port Lavaca
  - March 11<sup>th</sup> League City
- Application Guidance and Material available March 1<sup>st</sup> at:  
<https://www.glo.Texas.gov/coastal/protecting-coast/funding-opportunities>