



Texas General Land Office

TIFF Brown Bag - River Basin Flood Studies
(RBFS) Update

TIFF Brownbag Series Overview

Schedule:

- 9/18/2025 – Week 1 – 11 to 1215 – RBFS Introduction from the GLO & West Region
- 09/25/2025– Week 2 – 11 to 12 – LRGV Region
- 10/02/2025– Week 3 – 11 to 12 – East Region
- 10/09/2025– Week 4 – 11 to 12 – Central Region



Agenda

Who is the GLO?

River Basin Flood Study Background

Data Model Query Tool (DMQT)



Texas GLO – Oldest State Agency



Community Development & Revitalization (CDR)

Administers federally funded disaster recovery funds for Texas

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Disaster Funding

Timeline



CDBG-DR/MIT Eligible Activities



Planning Mission

GLO-CDR Planning team designs and oversees planning studies to collect, analyze, and communicate disaster-related data to assist decision makers to better protect Texans from future disasters.

GLO-CDR Planning team empowers decision makers with the information they want.

Focus on gathering or generating data wanted to make informed decisions, building tools and platforms to interact with the information, making recommendations for actionable and sustainable future steps.



What do Texans Want?



Funding Opportunities



Accurate & Reliable Risk Information

Flood maps



Effective Mitigation Strategies

Partnerships



RBFS Study Goals



Accurately model and evaluate flood risks within the study area

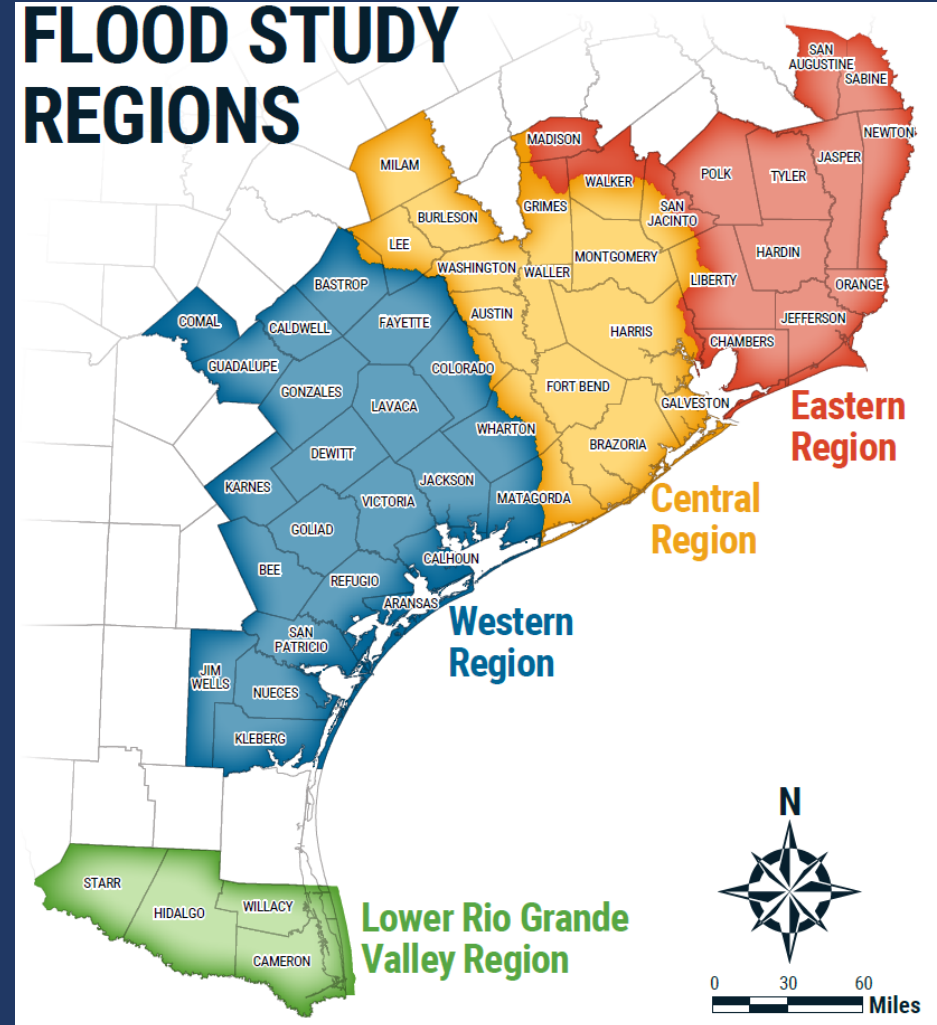


Assist communities in developing cost-effective flood mitigation strategies



Determine potential funding sources for mitigation projects

FLOOD STUDY REGIONS



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Strategic Framework

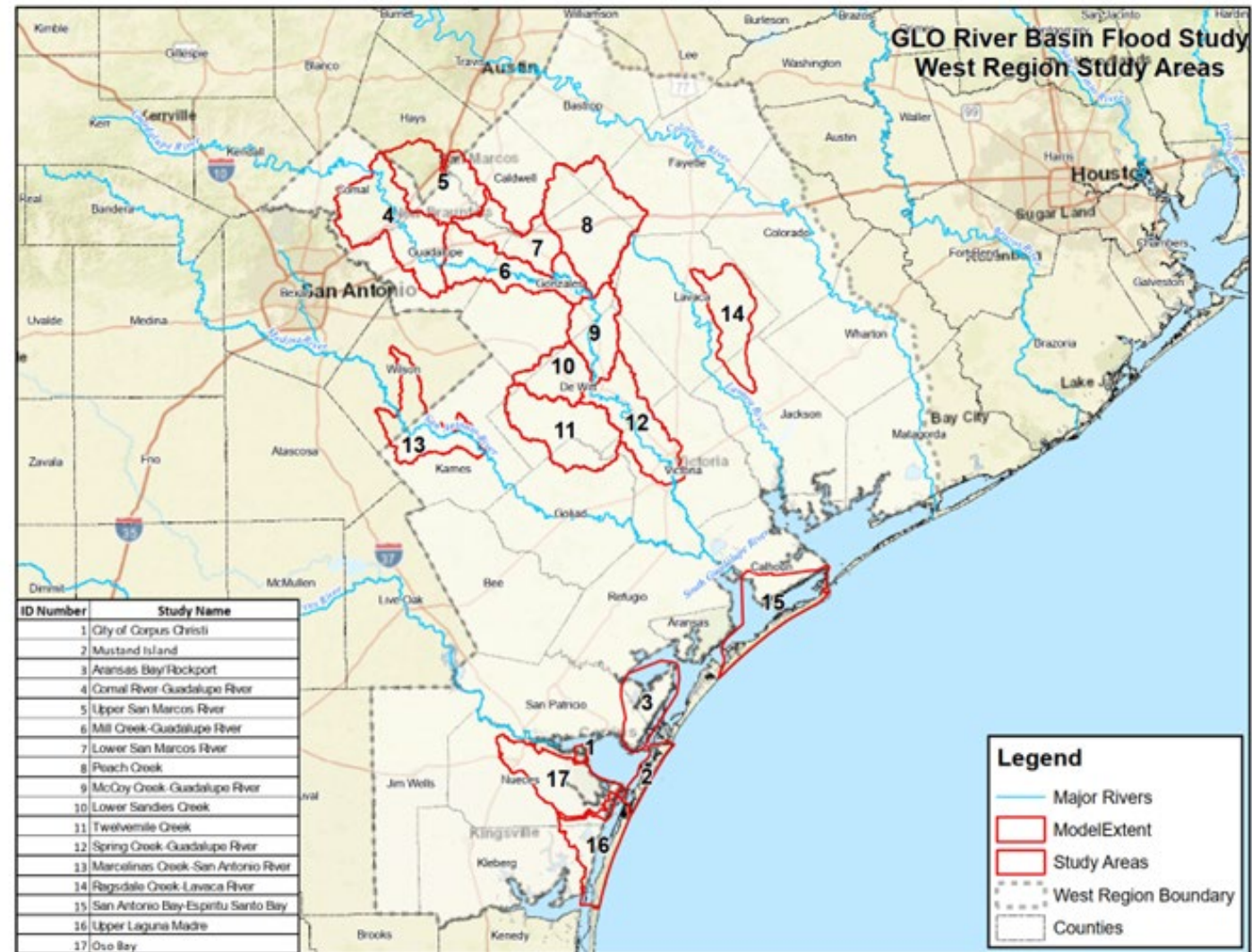
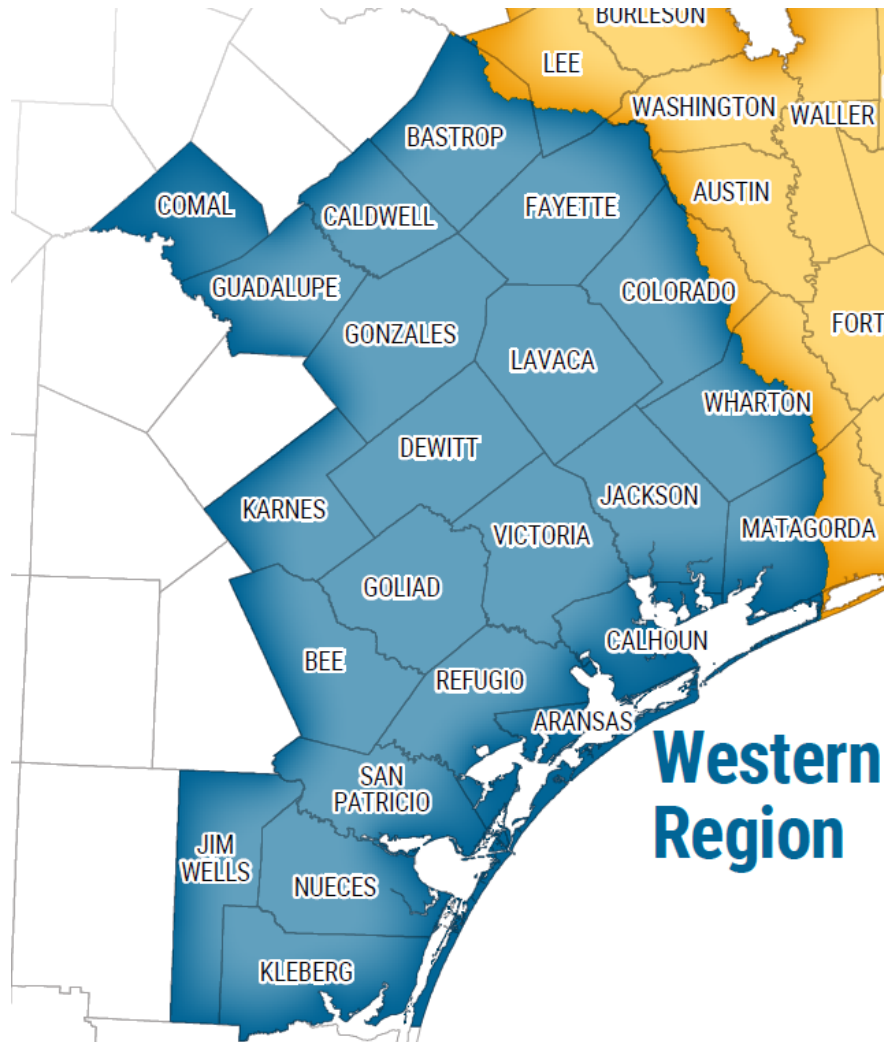


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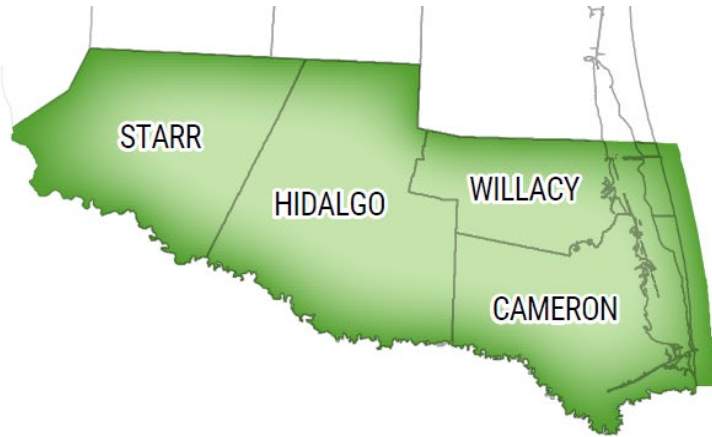
West Region

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LRGV Region

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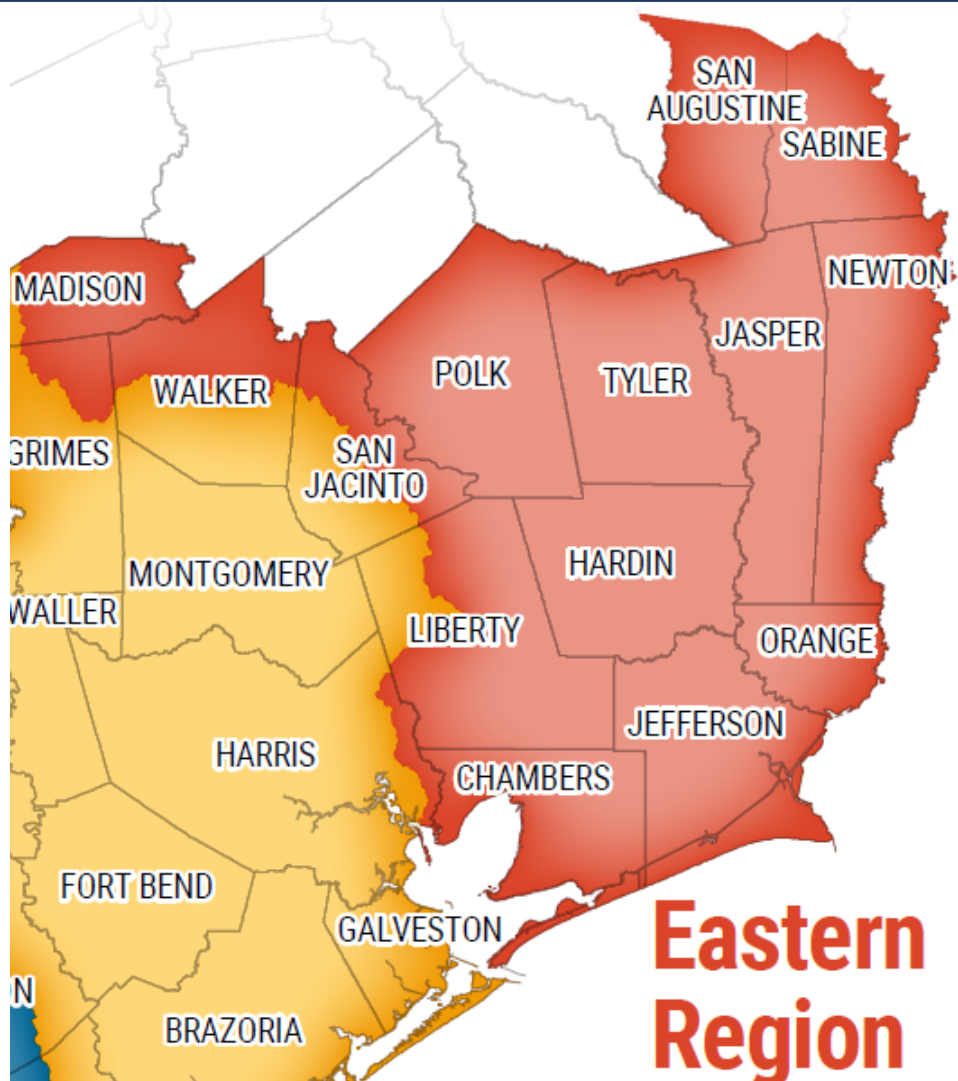


Lower Rio Grande Valley Region

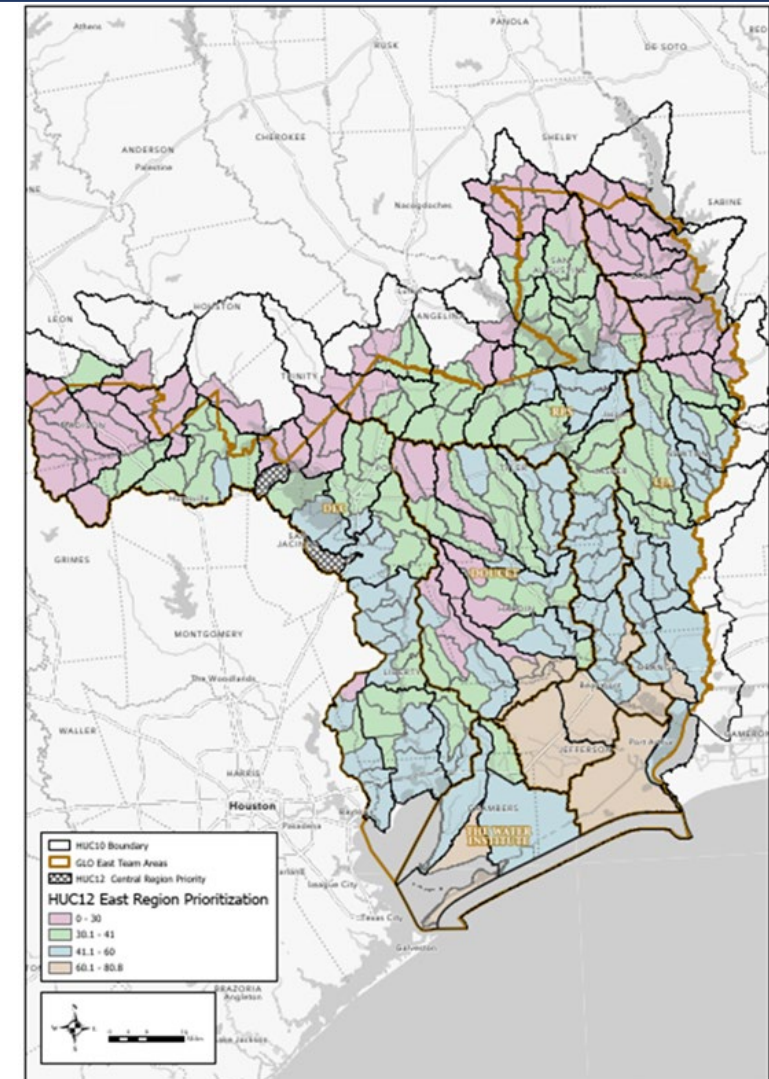


East Region

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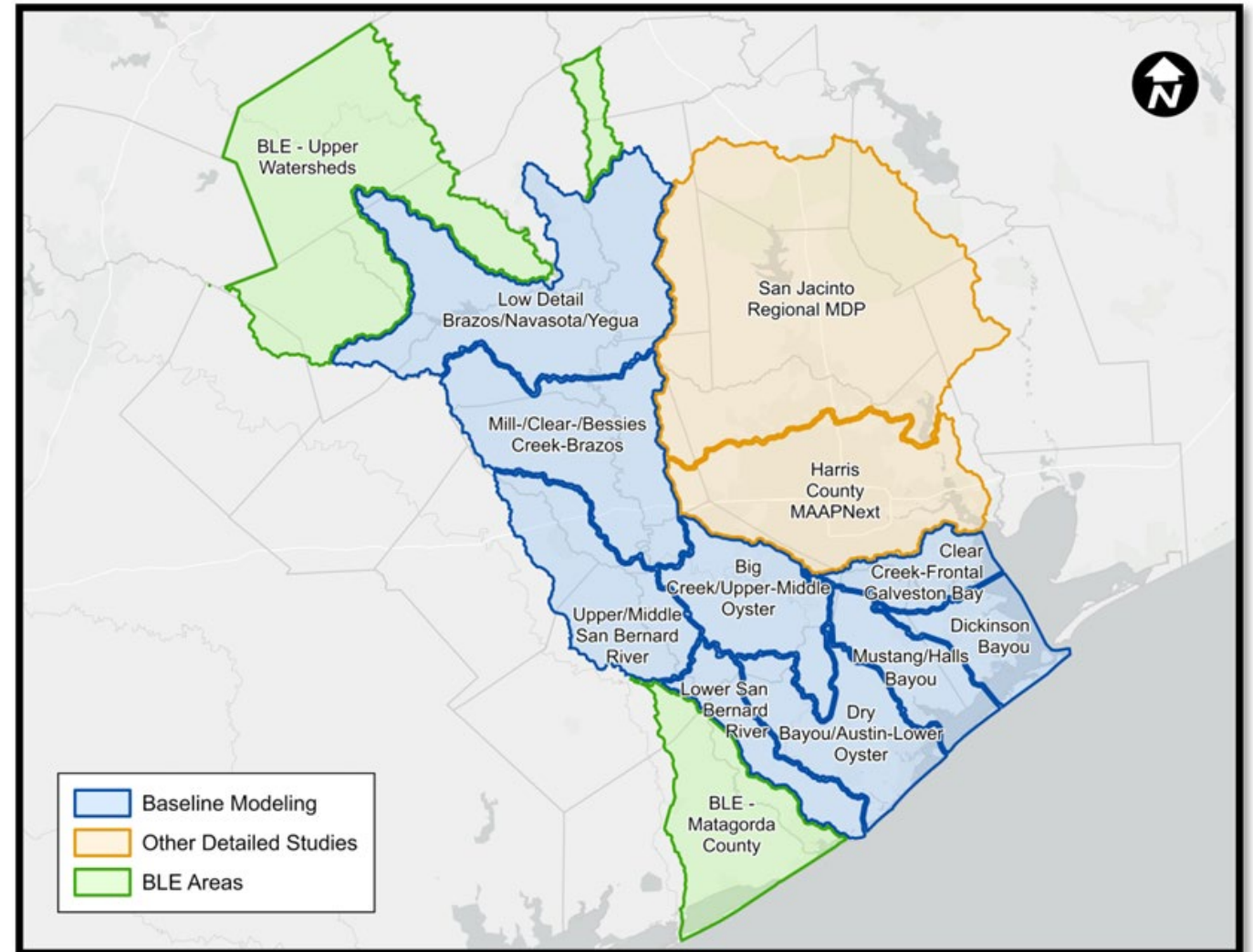
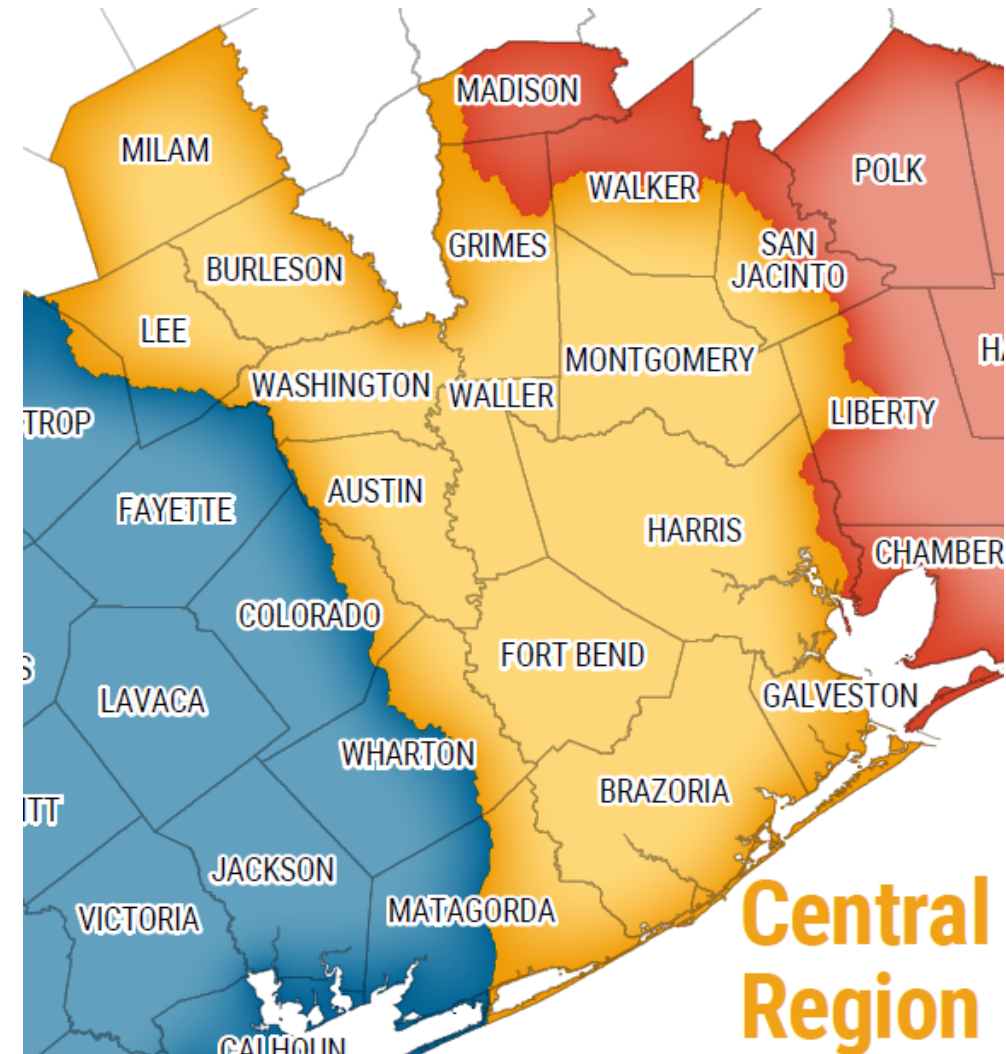


**Eastern
Region**



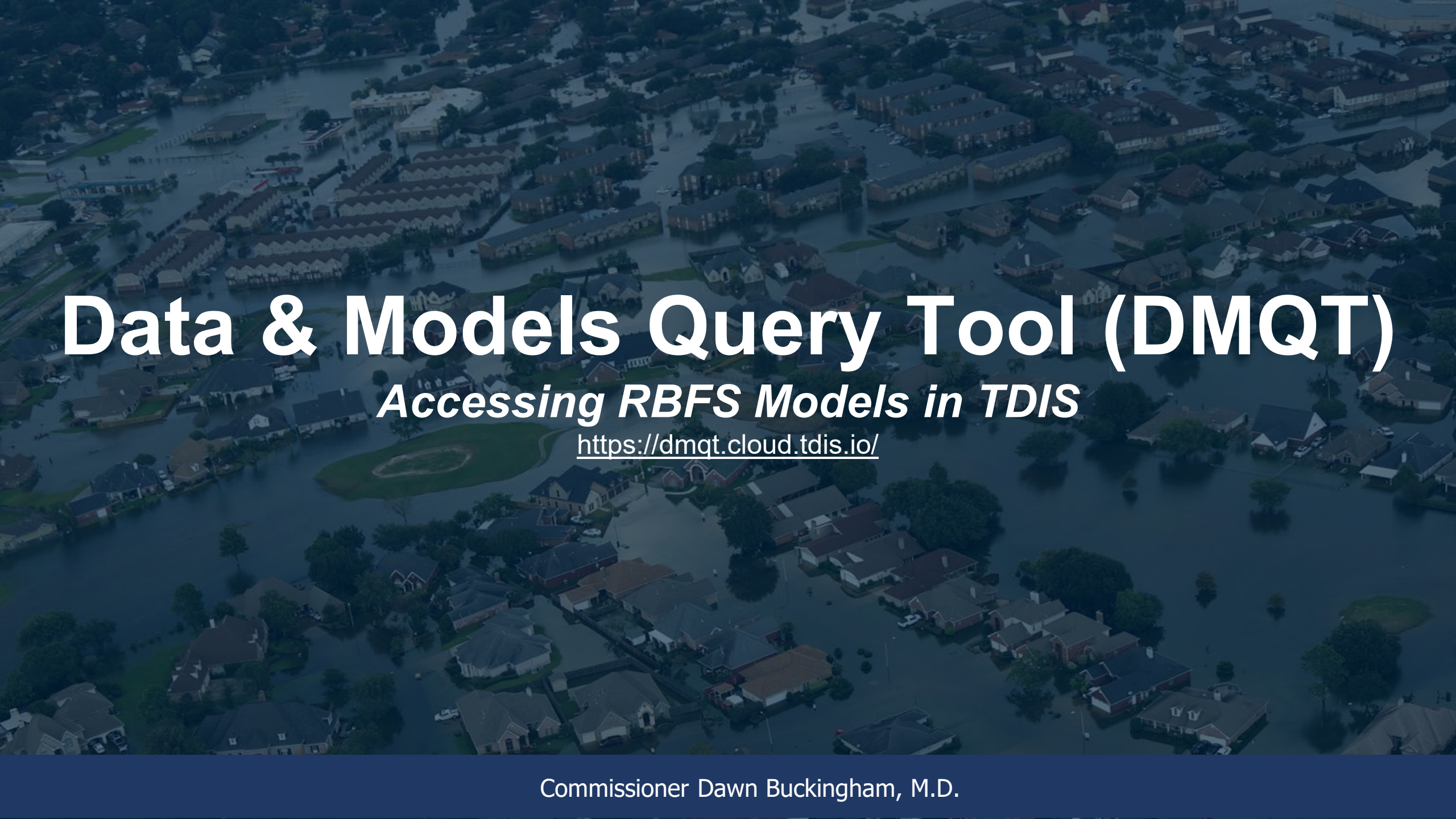
Central Region

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LEVERAGING EXISTING COMMUNITY RELATIONSHIPS AND BUILDING TRUST



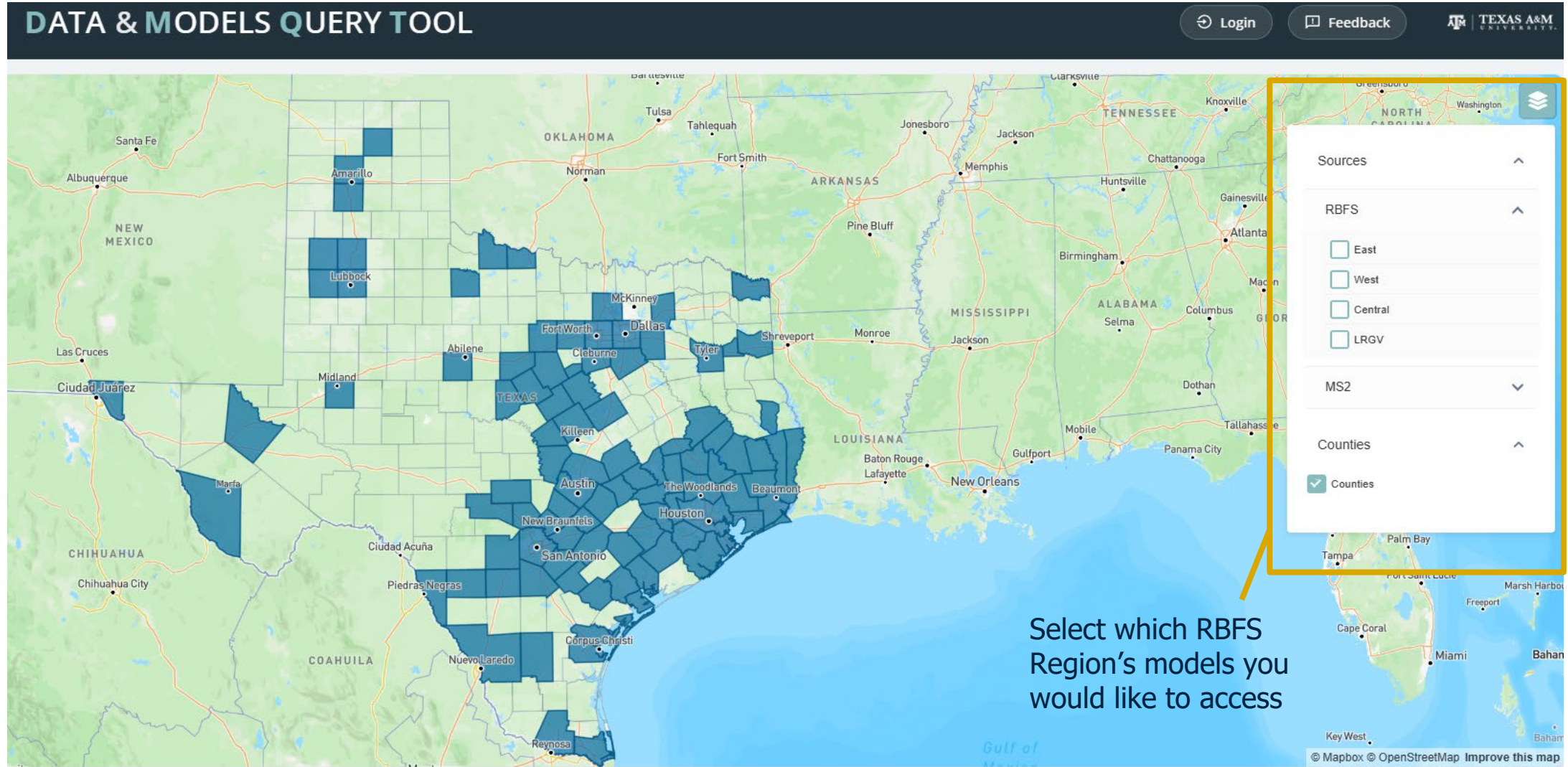


Data & Models Query Tool (DMQT)

Accessing RBFS Models in TDIS

<https://dmqt.cloud.tdis.io/>

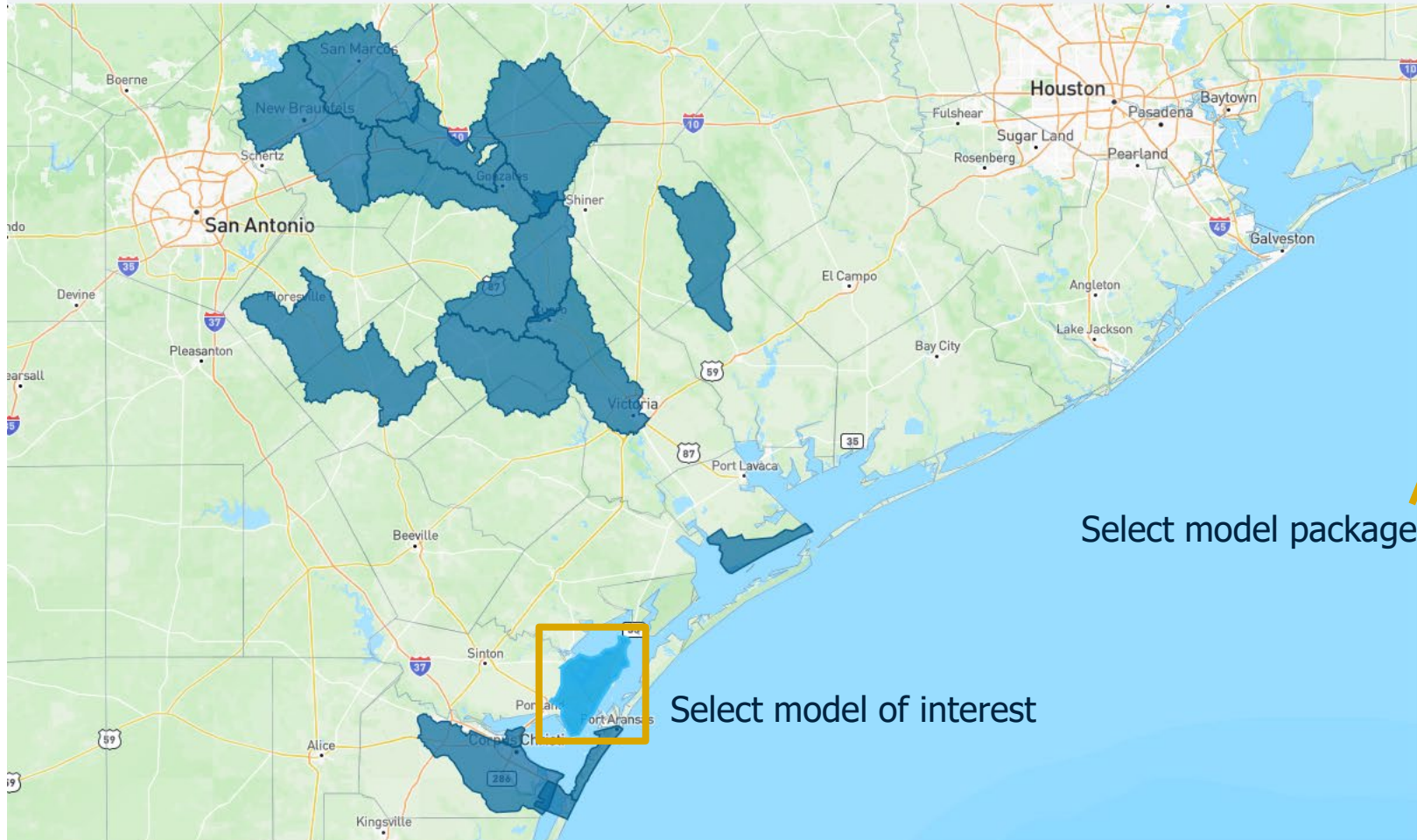
TDIS Data & Models Query Tool (DMQT)





TDIS Data & Models Query Tool (DMQT)

DATA & MODELS QUERY TOOL

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UNIVERSITY

Select model package

WEST Region

AransasBay_HUC1210040504_100%_HECHM Sv410

 RBFS

This is a hydrologic HEC-HMS (version 4.10) model for the Aransas Bay area, including the communitie...

AransasBay_HUC1210040504_100%_HECRA SV641

 RBFS

This is a hydraulic HEC-RAS (version 6.4.1) model for the Aransas Bay area, including the communitie...

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TDIS Data & Models Query Tool (DMQT)

AransasBay_HUC1210040504_100%_HECRASV641

X

HUC:
1210040504

County:
Aransas, San Patricio

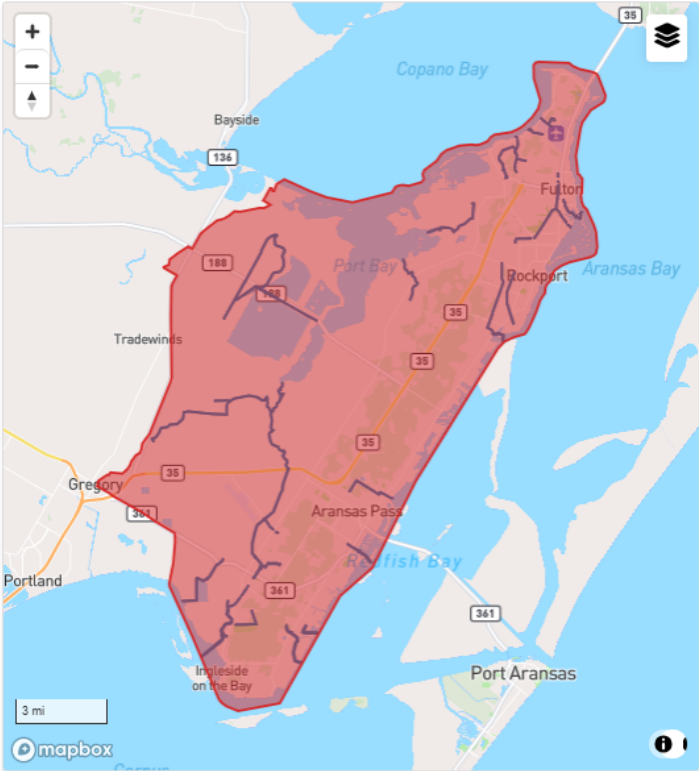
City:
Aransas Pass, Ingleside, Ingleside on the Bay, Rockport

Model Description:

This is a hydraulic HEC-RAS (version 6.4.1) model for the Aransas Bay area, including the communities of Aransas Pass, Ingleside, Ingleside on the Bay, and Rockport. This model was developed by West Region for the Texas General Land Office's River Basin Flood Study during Phase 3 of the study and includes assessment of both riverine and coastal flood risk.

Model Purpose:

The enclosed hydrologic and hydraulic models, final report, and GIS data were developed for the Texas General Land Office (GLO) for its Regional River Basin Flood Study project. The purpose of these models, final report, and associated GIS data is to better understand existing conditions for the GLO study. These products should not be used for construction or bidding purposes. For areas where FEMA effective FIRM maps do not include regulatory flood zones, or where Zone A is depicted, these maps could be considered best available data at the discretion of the local floodplain administrator. Enclosed



Map of model boundary

Model Files Listing

Available Files for Download

Complete Model Package

HUC1210040504_AransasBay_100pct_Final.zip

103.02 GB

↓

HUC1210040504_AransasBay_100%_Final_H&H_Report.pdf

182.1 MB

↓

HUC1210040504_AransasBay_100%_Final_SlideDeck.pptx

21.8 MB

↓

HUC1210040504_AransasBay_100%_Final_SlideDeck.pdf

6.4 MB

↓

Manning_n_calibration_regions.zip

130 KB

↓

Model_Boundary.zip

5 KB

↓

Model Results

Results.zip

3.30 GB

↓

Choose to download full package, results, boundary, or report

N/A * - Not Available/Not Applicable/Not Specified

Close

Model metadata

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Questions?



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