

Flood Activity Updates from TWDB

Lower Rio Grande Valley
WQ Management & Planning Conference,
May 19, 2021

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Agenda

- 1) Community Assistance for Flood
- 2) Flood Funding
- 3) Flood Mapping

Community Assistance Program (CAP)

NFIP Roles and Responsibilities

NFIP State Coordinator's Office provides:

- compliance assistance to local governments
- technical assistance
- NFIP enrollment
- training
- local and federal coordination
- disaster preparation and recovery

Floodplain Management Training

TWDB offers webinars and in-person classes covering:

- General floodplain management
- Base Level Engineering
- Substantial Damage
- Community Rating System
- Elevation Certificates

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



Courtesy of FEMA

Community Rating System

Community Rating System (CRS)

- Voluntary FEMA program that encourages NFIP-participating communities to exceed basic standards.
- CRS is a point system based on a wide range of floodplain management activities.
- CRS communities can reduce insurance rates by increments of 5%, up to 45%.

TWDB Flood Outreach Contacts



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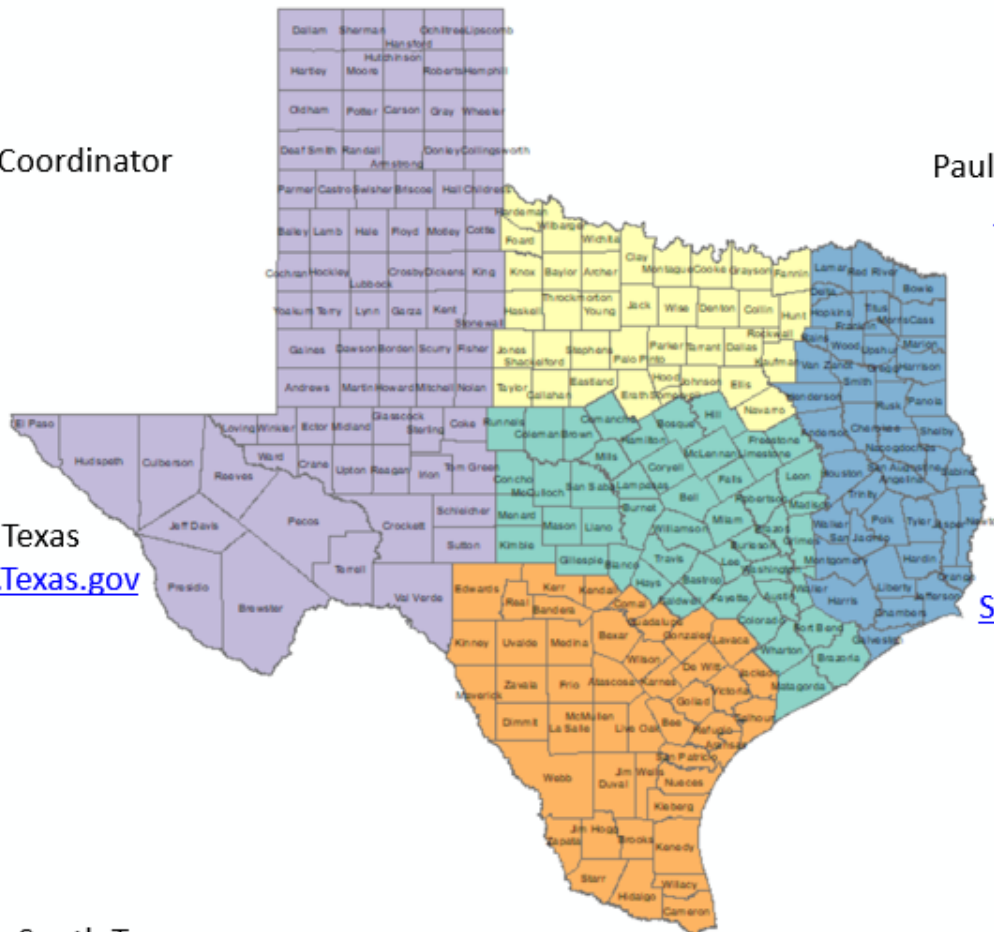
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Flood Funding

Flood Mitigation Assistance (FMA) Grant

FY 2021 Funding Opportunity

- Approximately \$170 Million nationwide.
- Applications are submitted through FEMA's new grant system, FEMA GO.
- Applicants could receive up to 100% federal funds to mitigate NFIP-insured properties.

Important Dates

Aug-Sept	Notice of Funding Opportunity posted on Grants.gov
Sept 30	Grant cycle opens
Dec 1	Applications are due in FEMA GO to the TWDB
Dec 1-18	Any RFIs will be sent to applicants
Jan 8	RFI's are due back from the applicants
Jan 30	TWDB submits eligible applications to FEMA

The Department of Homeland Security (DHS)
Notice of Funding Opportunity (NOFO)
FY 2020 Flood Mitigation Assistance

NOTE: If you are going to apply for this funding opportunity and have not obtained a Data Universal Numbering System (DUNS) number and/or are not currently registered in the System for Award Management (SAM), please take immediate action to obtain a DUNS Number, if applicable, and then to register immediately in SAM. It may take 4 weeks or more after you submit your SAM registration before your registration is active in SAM, then an additional 24 hours for Grants.gov to recognize your information. Information on obtaining a DUNS number and registering in SAM is available from Grants.gov at: <http://www.grants.gov/web/grants/register.html>. Detailed information regarding DUNS and SAM is also provided in Section D of this NOFO, subsection, Content and Form of Application Submission.

A. Program Description

1. **Issued By**
U.S. Department of Homeland Security (DHS), Federal Emergency Management Agency (FEMA), Federal Insurance and Mitigation Administration (FIMA), Mitigation Directorate, Hazard Mitigation Assistance Division (HMA)
2. **Assistance Listings (formerly Catalog of Federal Domestic Assistance (CFDA) Number)**
97.029
3. **Assistance Listings Title (formerly CFDA Title)**
Flood Mitigation Assistance
4. **Funding Opportunity Title**
FY 2020 Flood Mitigation Assistance
5. **Funding Opportunity Number**
DHS-20-MT-029-000-99
6. **Authorizing Authority for Program**
Section 1366 of The National Flood Insurance Act of 1968, as amended (Pub. L. No. 90-448) (42 U.S.C. § 4104c)
7. **Appropriation Authority for Program**
Department of Homeland Security Appropriations Act, 2020 (Pub. L. No. 116-93, Division D)
8. **Announcement Type**

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FY 2020 FMA NOFO

Flood Infrastructure Fund (FIF)

- Category 3 – Federal Award Matching Funds
 - Harlingen, 9th and 13th Street Drainage Improvements
 - Cameron County, Paso Real Drainage Project
 - Weslaco, Mayor Pablo Peña Park Drainage Improvements
 - Lyford, 1st and Orange Ave Drainage Improvements
- Support local match for any federal award
- Support already-vetted flood mitigation projects

Flood Infrastructure Fund (FIF)

- Category 4 – Measures Immediately Effective in Protecting Life & Property
 - Nueces County Drainage & Conservation District #2, Phase 1 FEWS Project
- Warning Systems, Reverse 911 systems
- Crossing Barriers
- Public Education & Outreach
- Dam Emergency Action Plans

Flood Information Clearinghouse

- <https://texasfloodclearinghouse.org/>
- Collaborative effort for flood funding opportunities in Texas


FLOOD INFORMATION
CLEARINGHOUSE



 Am I Eligible?

 Is My Project Eligible?

What Funding is Available?

 Submit a Request for Information Form

Attend an Event

Other Resources

Flood Mapping

Base Level Engineering Plan

 Completed

 In Progress

Next Steps

 FY 2022*

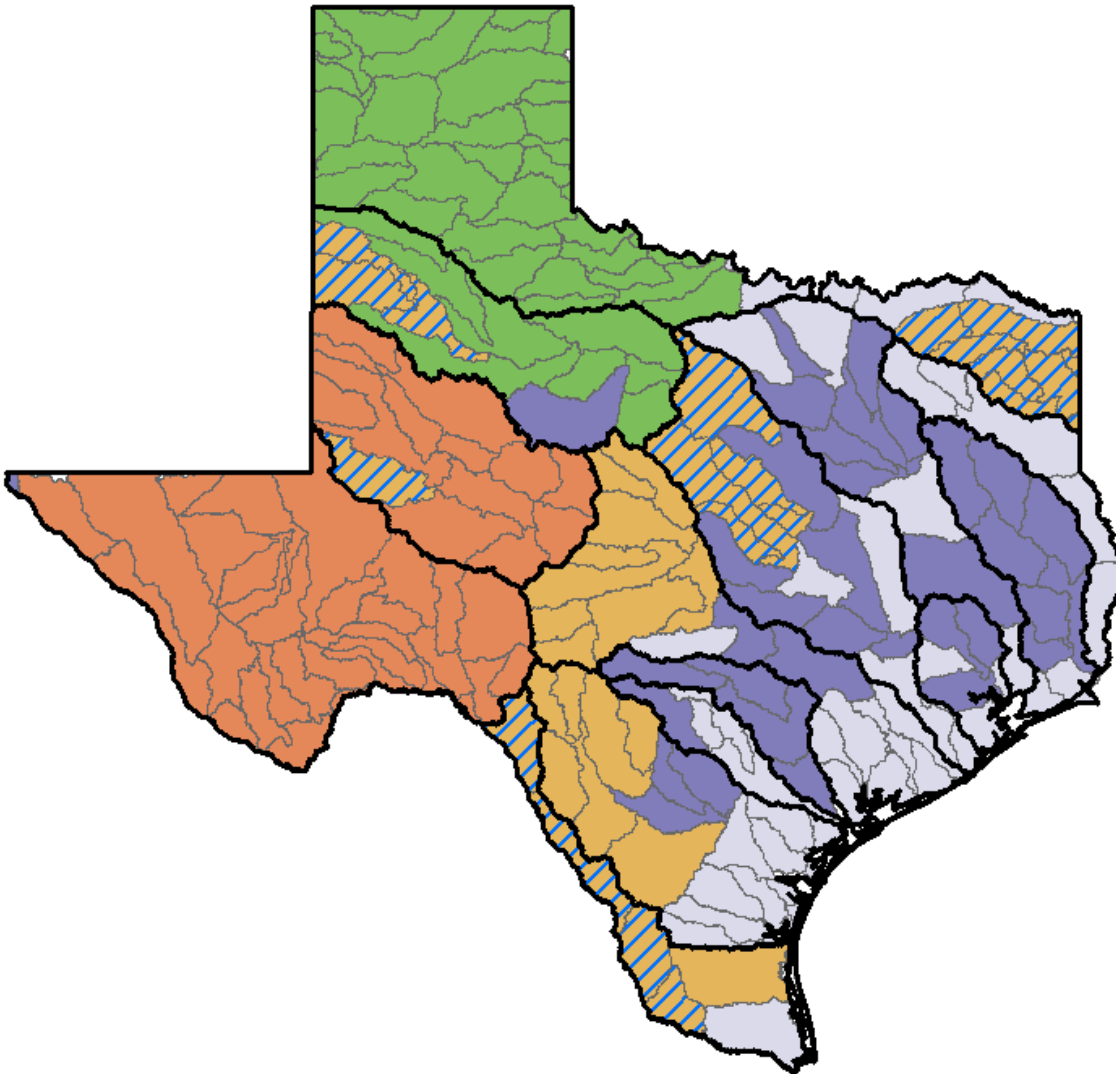
 FY 2023*

 FY 2024*

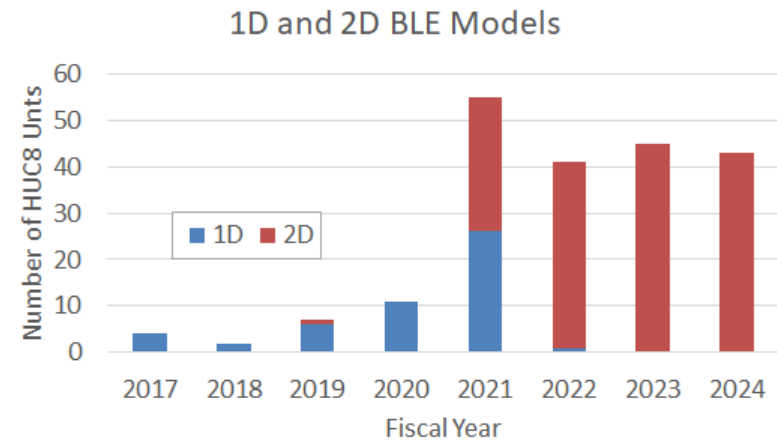
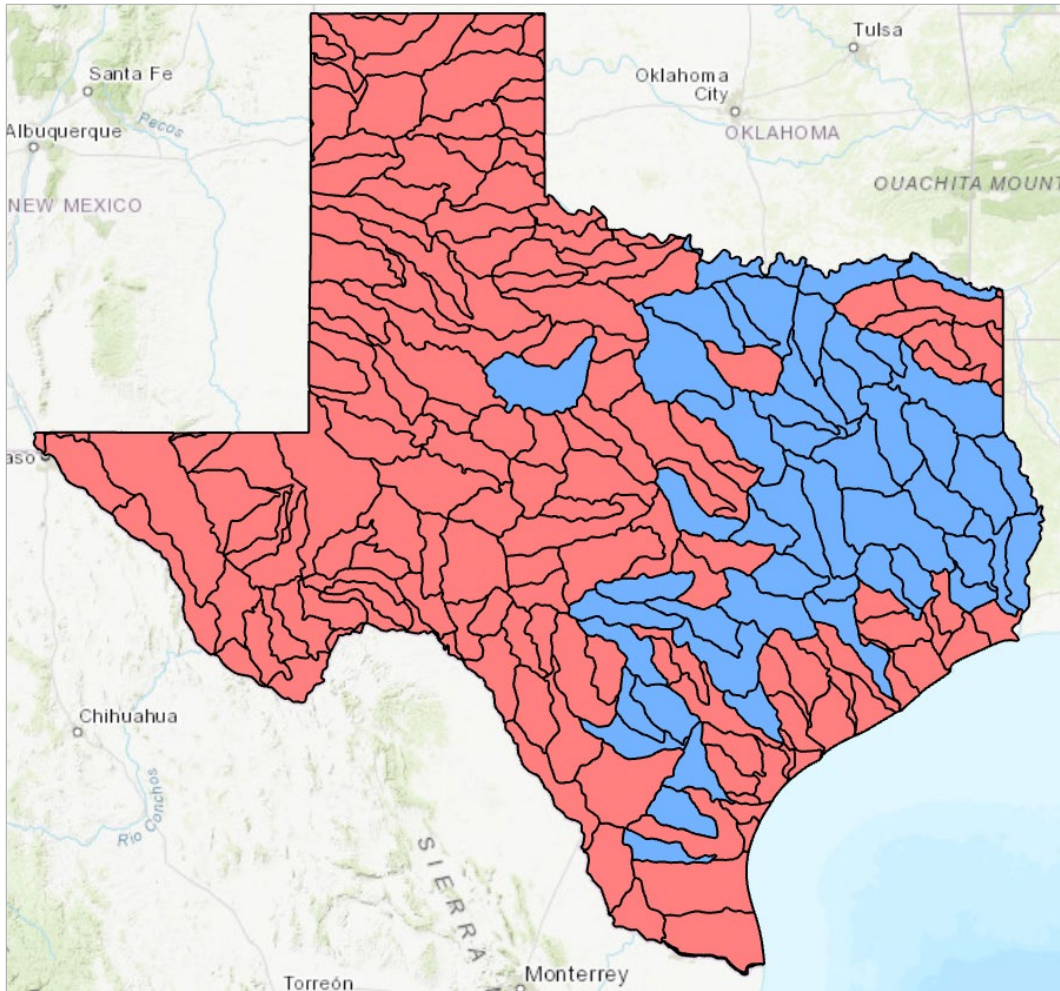
Project Assignments

 Contracted beginning February 2021

*Estimated fiscal year completion dates



Completion Time Profile of 1-D and 2-D Models



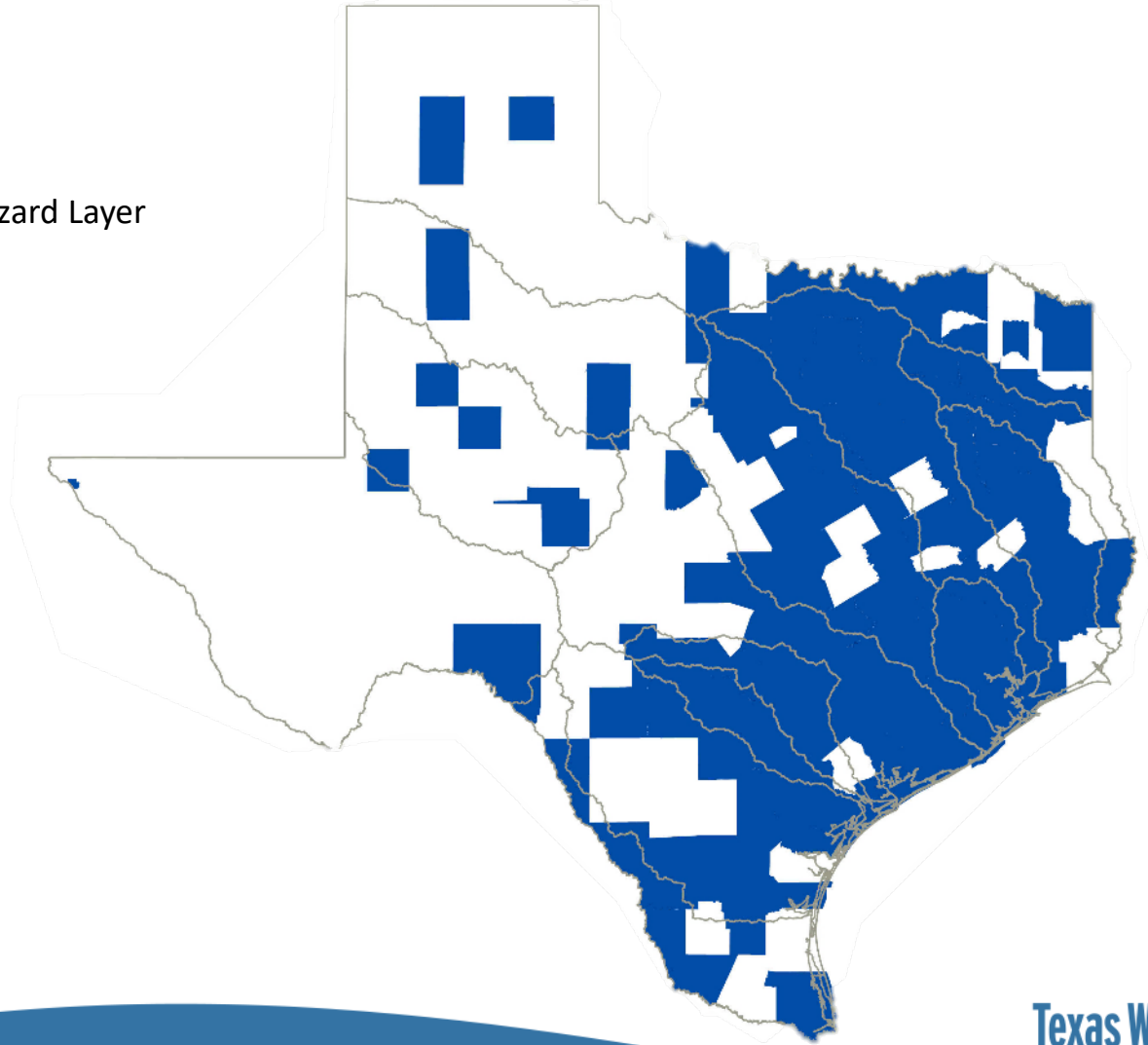
Flood Planning Data Availability Coverage

Regional Flood Planning Groups



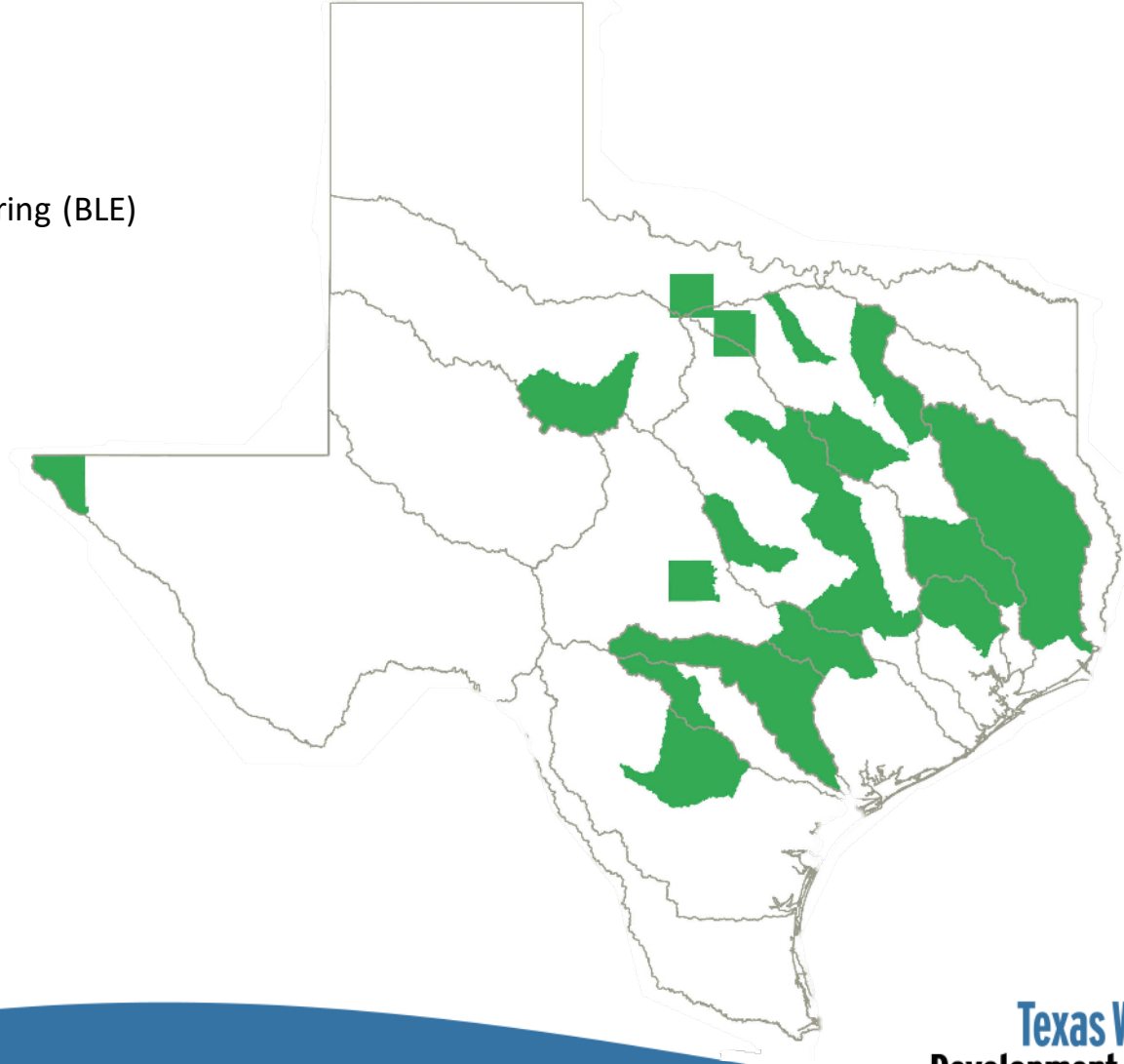
Flood Planning Data Availability Coverage

National Flood Hazard Layer



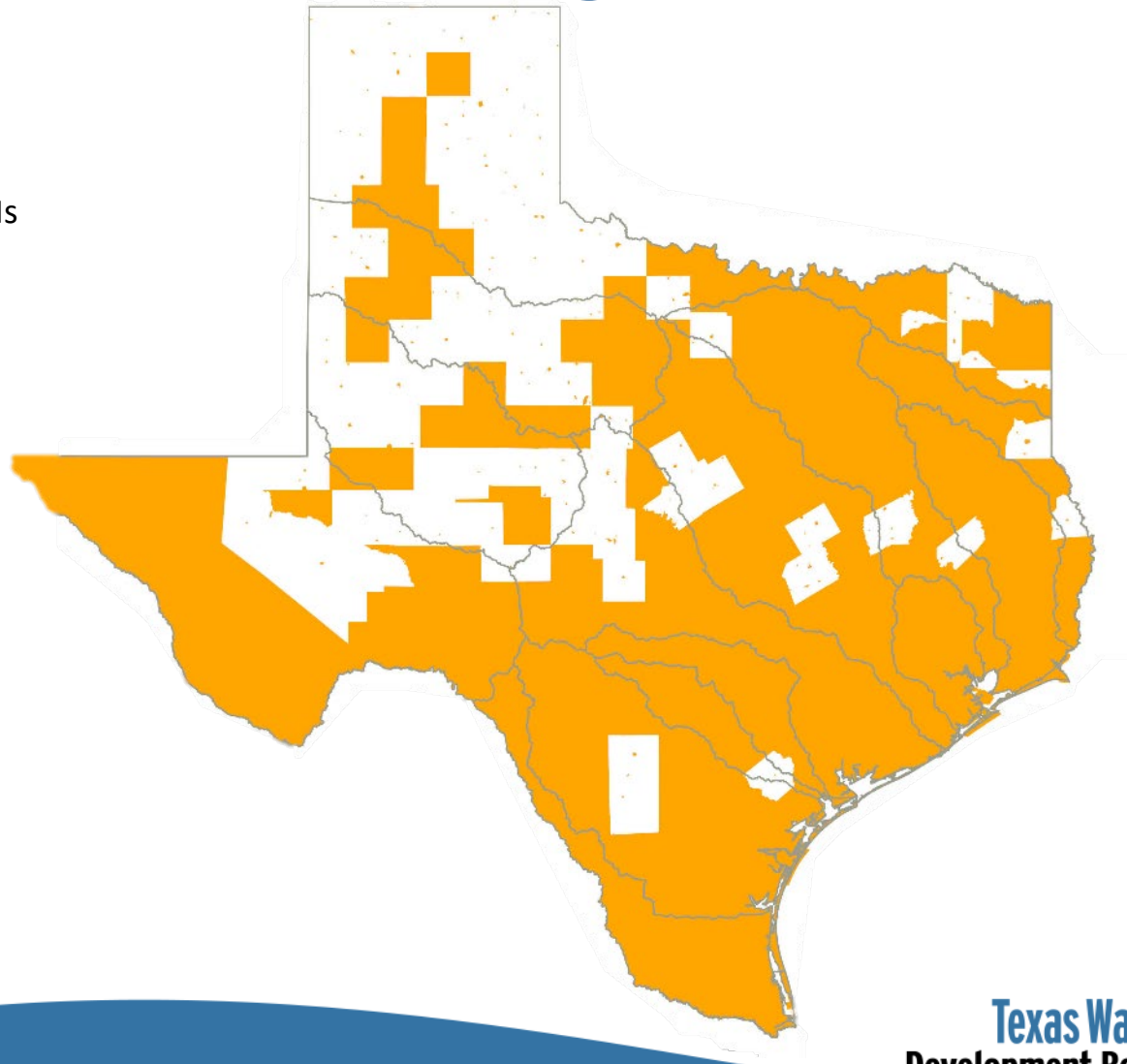
Flood Planning Data Availability Coverage

Base Level Engineering (BLE)

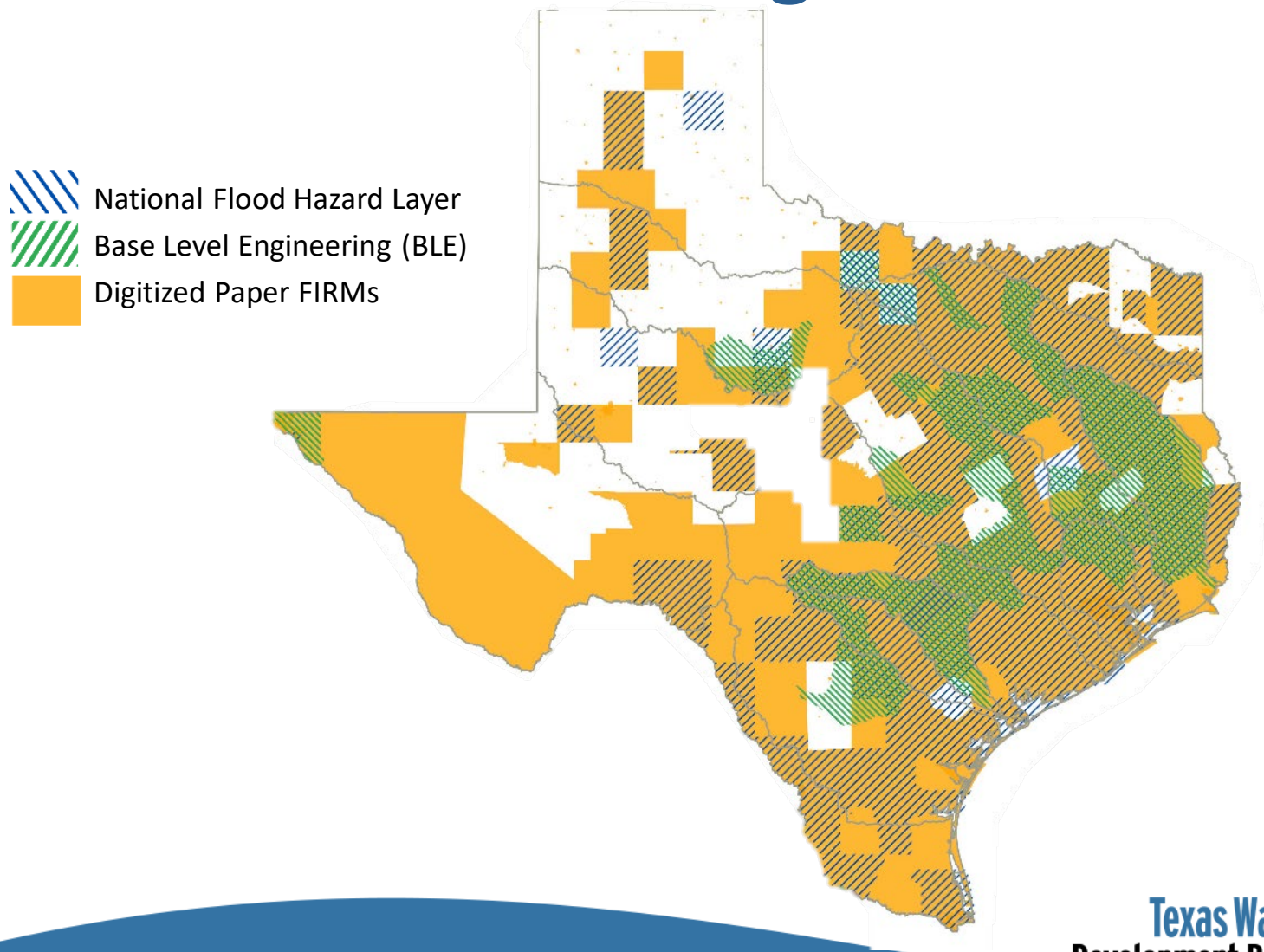


Flood Planning Data Availability Coverage

Digitized Paper FIRMs



Flood Planning Data Availability Coverage



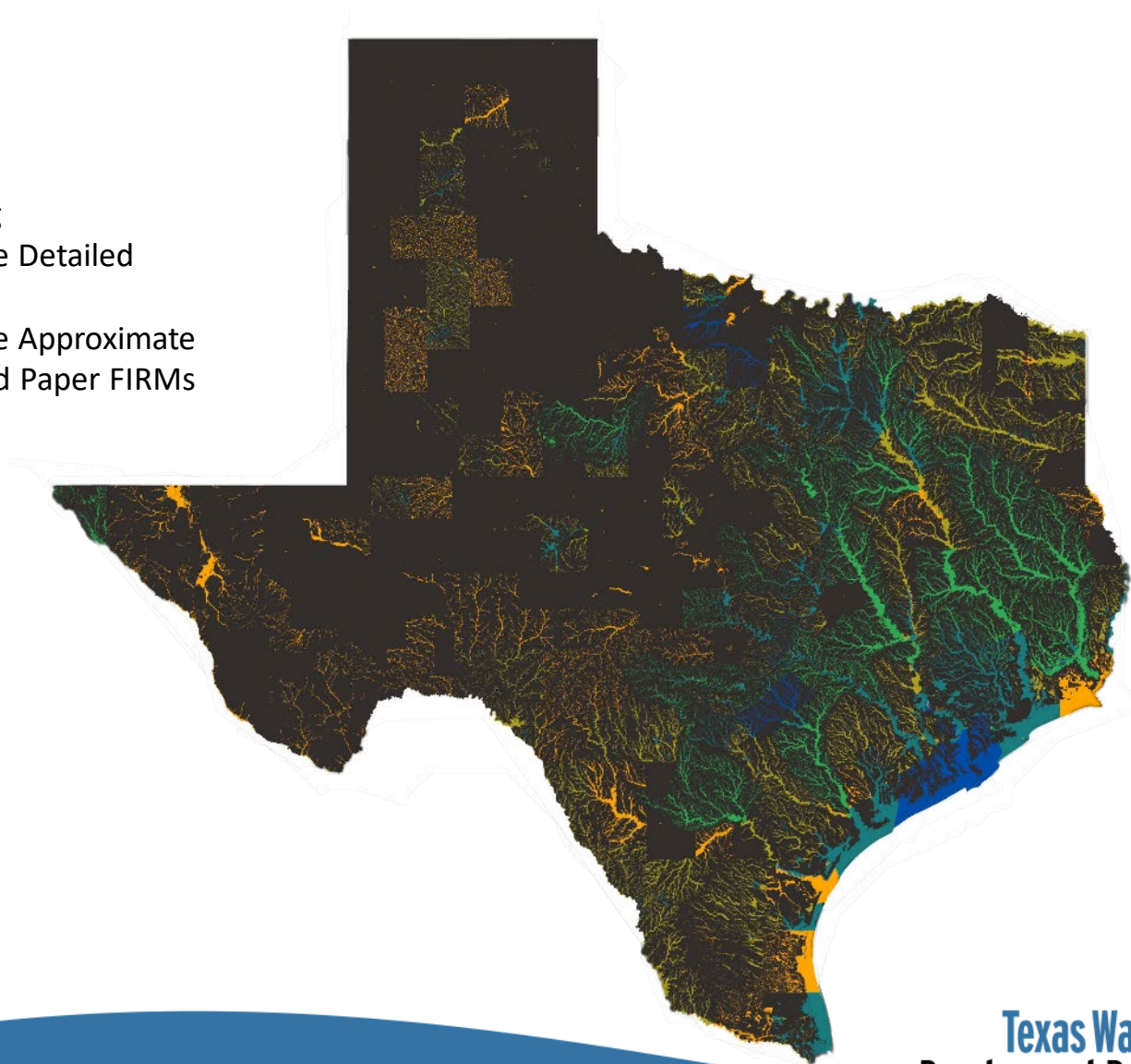
Prioritization

- Pending & Preliminary Flood Hazard data
- Detailed Study Areas - National Flood Hazard Layer Effective (NFHL)
- Base Level Engineering Data
- Approximate Study Areas - NFHL
- Digitized Effective Paper Flood Insurance Rate Maps (FIRMs)
- Fathom approximate data [in progress]

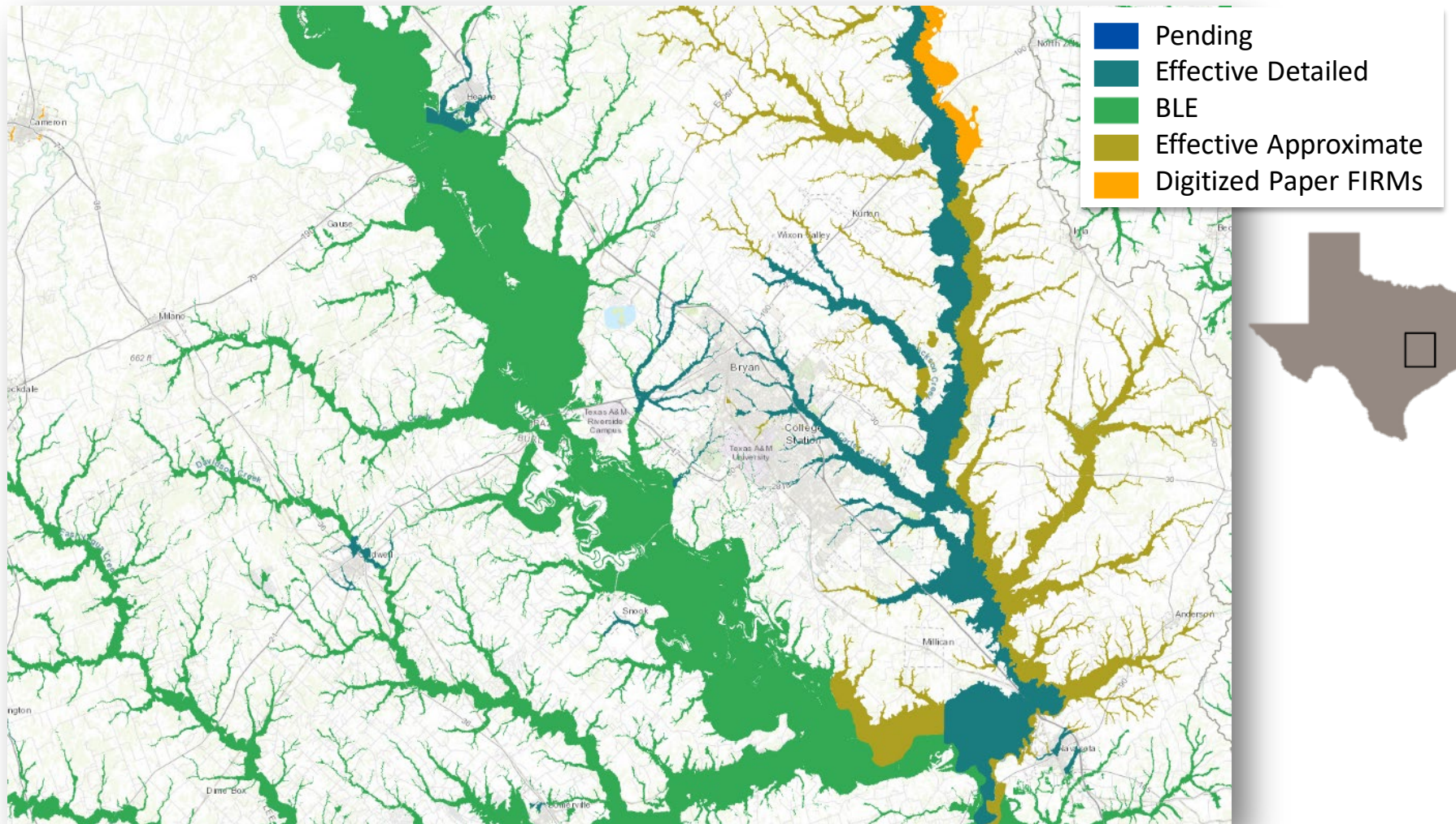


How the Quilt was Stitched

- Pending
- Effective Detailed
- BLE
- Effective Approximate
- Digitized Paper FIRMs



Taking a Closer Look



New TWDB Flood Mapping Webpages

The screenshot shows the Texas Water Development Board website. The browser's address bar displays the URL <https://www.twdb.texas.gov/flood-mapping>. The website's header includes the Texas Water Development Board logo, a search bar, and social media links. The main navigation menu is located below the header, with the 'Flood' link highlighted by a red circle. The 'Flood' link is part of a menu that also includes 'Home', 'Board', 'Financial Assistance', 'Water Planning', 'Groundwater', 'Surface Water', 'Conservation', 'Innovative Water', and 'GIS Data'. Below the navigation menu, the 'FLOOD MAPPING' section is highlighted by a red circle. This section contains links to 'Base Level Engineering (BLE)', 'Base Level Engineering (BLE) Status', 'Modeling and Mapping Program', and 'Flood Mapping Resources'. Other sections visible on the page include 'FLOOD COMMUNITY ASSISTANCE', 'FLOOD FINANCIAL ASSISTANCE', 'FLOOD PLANNING', and 'FEDERAL FLOOD FUNDS REPORTING'. A footer section provides contact information for flood-related questions, including the email flood@twdb.texas.gov.

Search site Search

Connect with us: f t in y i e

Home Board Financial Assistance Water Planning Groundwater Surface Water **Flood** Conservation Innovative Water GIS Data

FLOOD MAPPING

- Base Level Engineering (BLE)
- Base Level Engineering (BLE) Status
- Modeling and Mapping Program
- Flood Mapping Resources

FLOOD COMMUNITY ASSISTANCE

- What to Do? Before, During, and After a Flood
- National Flood Insurance Program (NFIP)
- Community Resources
- Floodplain Management Training

FLOOD FINANCIAL ASSISTANCE

- FEMA Flood Mitigation Assistance Grants
- Flood Infrastructure Fund Program
- Flood Funding Information Clearinghouse

FLOOD PLANNING

- Flood Planning Group Meeting Schedule
- 1st Planning Cycle Documents (2020-2023)
- Planning Group Information
- New Members Resources
- Frequently Asked Questions
- Flood Planning Useful Links and Resources

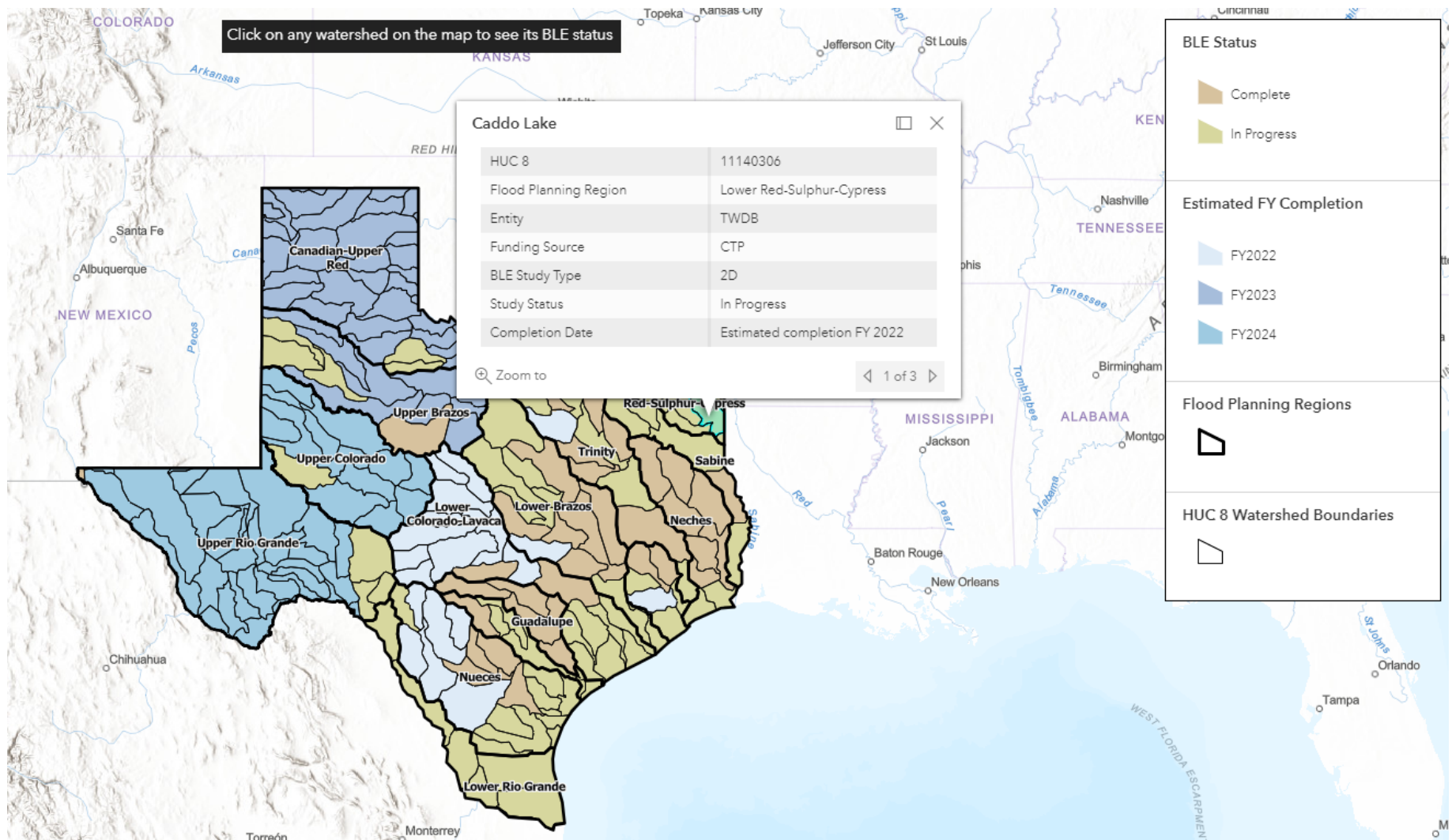
FEDERAL FLOOD FUNDS REPORTING

information through an online dashboard.

TNRIS

For general flood-related questions, contact us at flood@twdb.texas.gov

New TWDB Flood Mapping Webpages



Wrap Up

- TWDB has multiple assistance and funding programs to serve communities.
- Continue to make progress on flood mapping and look forward to reporting complete LiDAR-based flood risk mapping statewide to you all soon!