

# REGION 9

## UPPER COLORADO REGIONAL FLOOD PLAN

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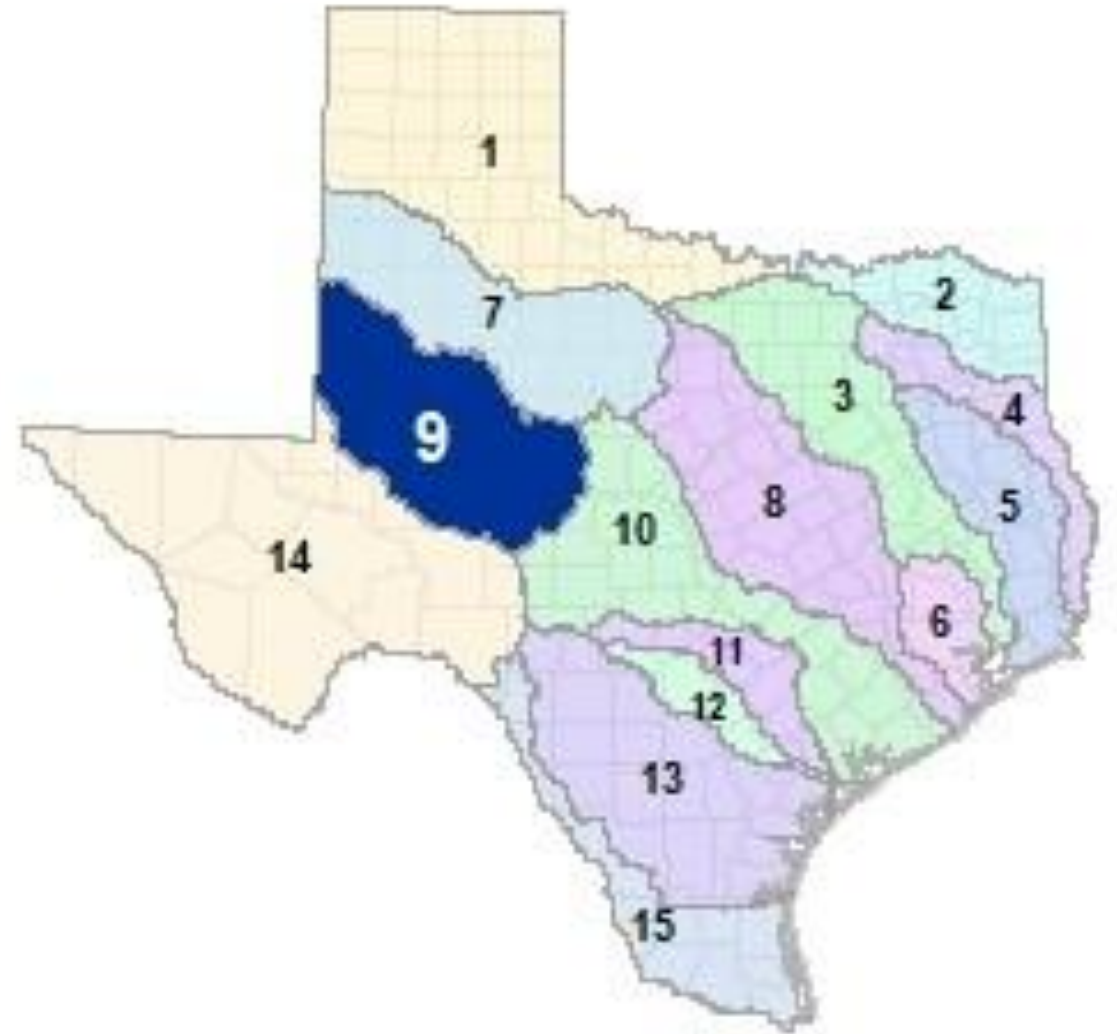
*Open House*

Permian Basin Regional Planning Commission (Midland)  
September 9, 2025



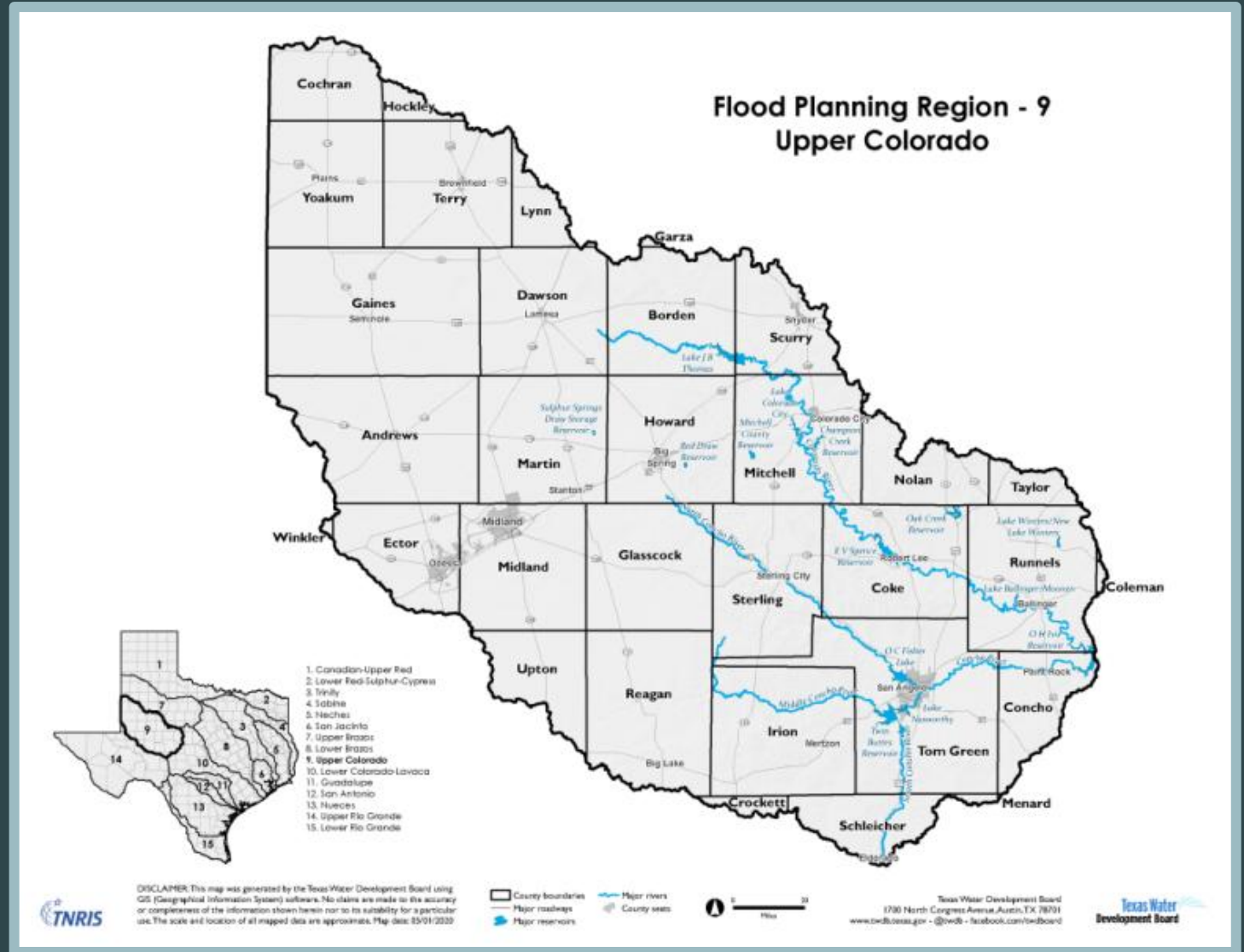
# State Flood Plan Overview

- In 2019, Senate Bill SB8 for statewide flood planning passed
- Texas Water Development Board (TWDB) charged with implementing SB8
- 15 Regional Flood Planning Groups (RFPG) created by TWDB
- First State Flood Plan submitted September 2024; currently in second planning cycle



# Regional Flood Planning Group (RFPG) Overview

- Each RFBPG develops their regional flood plan
- Regional plans updated every 5 years
- Roll into overall State Flood Plan



# Regional Flood Plan Group (RFPG) Overview

Flood Mitigation Projects (FMP),  
Flood Management Strategies  
(FMS) & Flood Management  
Evaluations (FME) must be  
included in State Flood Plan to be  
eligible for future TWDB funding.



## 2023 Upper Colorado Regional Flood Plan

January 10, 2023

Amended July 14, 2023



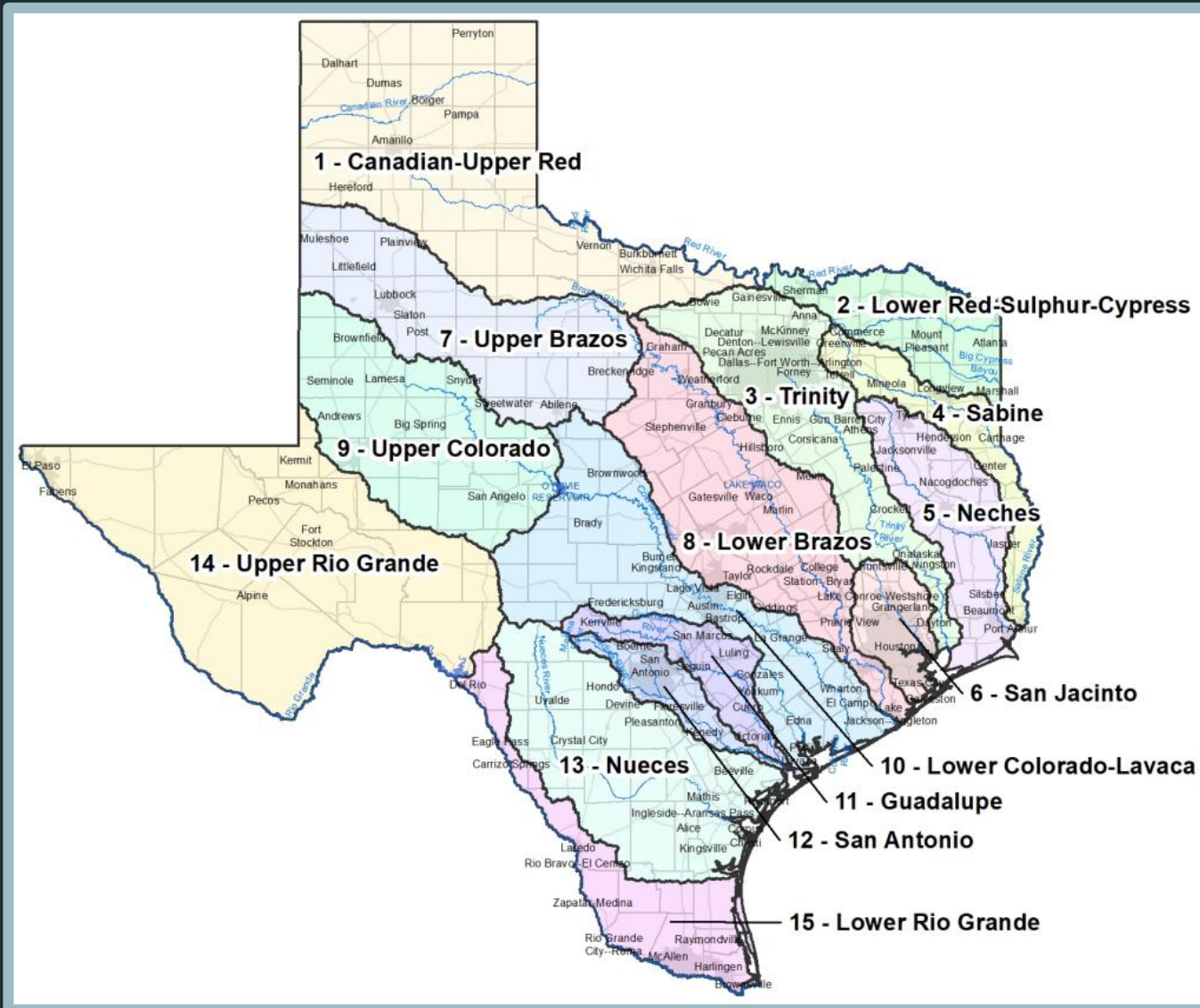
# Importance of Floodplain Management

- Reduced flood losses
- Protects natural function of floodplains
- Includes zoning, building codes, enforcement, and education
- Supports communities by reducing socio-economic impacts of floods



Recent July 4<sup>th</sup>  
Flood Event –  
San Angelo

# Region 9–Upper Colorado



## Major Lakes & Reservoirs

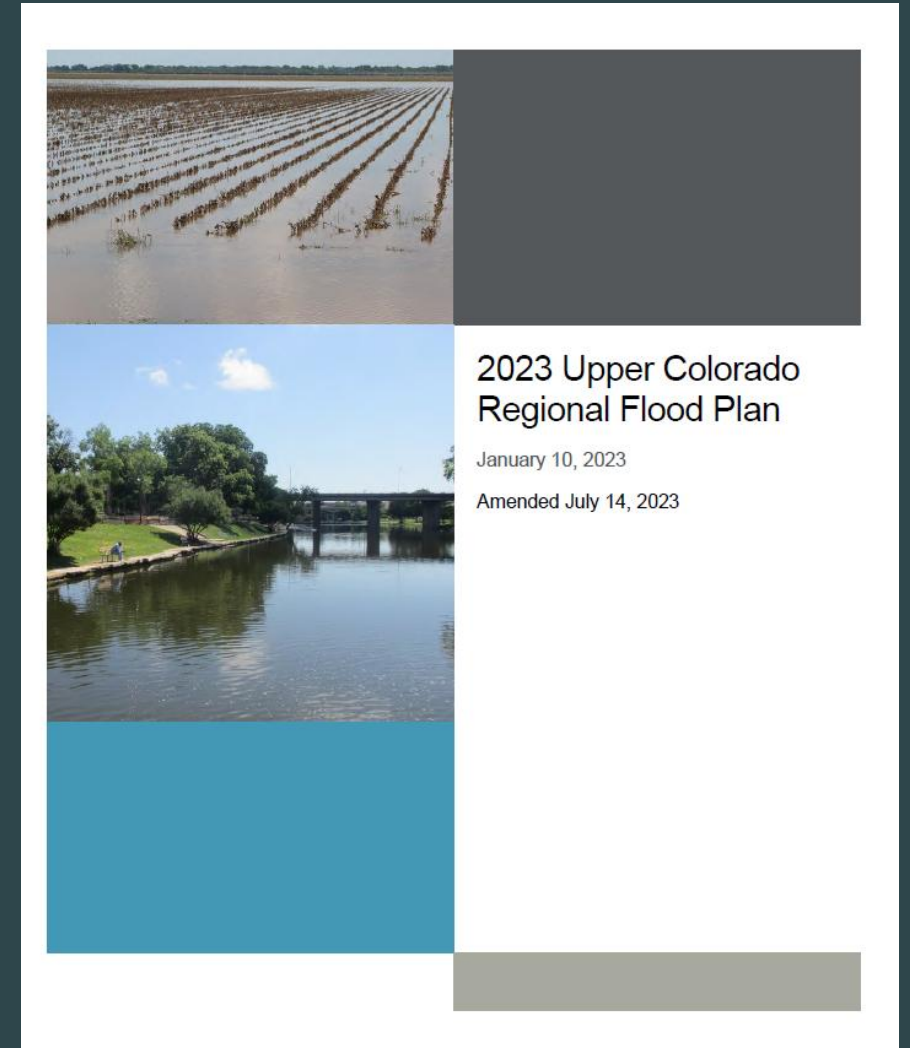
- Champion Creek Reservoir
- E.V. Spence Reservoir
- Lake Ballinger/Lake Moonen
- Lake Colorado City
- Lake J.B. Thomas
- Lake Nasworthy
- Lake Winters/New Lake Winters
- Mitchell County Reservoir
- Natural Dam Lake
- O.C. Fisher Lake
- O.H. Ivie Reservoir
- Oak Creek Reservoir
- Red Draw Reservoir
- Sulphur Springs Draw Storage Reservoir
- Twin Buttes Reservoir

## Basin Details

- Planning Area: 21,254 sq. miles
- Number of Counties: 32 (entirely or partially located within region)

# Regional Flood Plan – High Level Scope

- Gather and analyze data
- Identify existing and future flood risks
- Evaluate flood management practices and determine goals
- Recommend evaluations, strategies, and projects to reduce flood risks
- Develop a regional flood plan to help outline solutions to future flooding





# Data Collection Collaboration

## TWDB Provided Data



The screenshot shows the Texas Water Development Board's GIS Resources page. The header includes the board's logo and navigation links for GIS Resources, GDB Template, Floodplain Quilt, What's New, TWDB, Flood Planning, and Contacts. A search bar is present on the left. The main heading is "GIS Resources" with the subtitle "Texas Flood Planning". A paragraph states: "The following GIS resources have been gathered to assist the Texas Regional Flood Planning Groups (RFPGs). Many of the referenced layers are intended for cartographic purposes. Before using layers for engineering or modeling, check the intended use on the original site." Below this is a grid of ten icons representing different data categories: Critical Infrastructure, Flood Infrastructure, Flood Risk, Hydrology, Jurisdiction Boundaries, Parks, Population, Property, Terrain, and Transportation.

**Texas Water Development Board**

GIS Resources • GDB Template • Floodplain Quilt • What's New • **TWDB** • Flood Planning • Contacts

Q

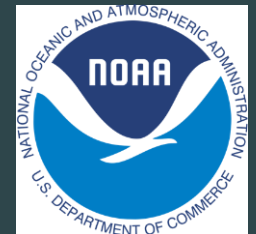
## GIS Resources

*Texas Flood Planning*

The following GIS resources have been gathered to assist the Texas Regional Flood Planning Groups (RFPGs). Many of the referenced layers are intended for cartographic purposes. Before using layers for engineering or modeling, check the intended use on the original site.

 Critical Infrastructure	 Flood Infrastructure	 Flood Risk	 Hydrology	 Jurisdiction Boundaries
 Parks	 Population	 Property	 Terrain	 Transportation

## Other Data Sources





# Flood Risk Mapping – Existing Conditions

## FLOOD TYPE

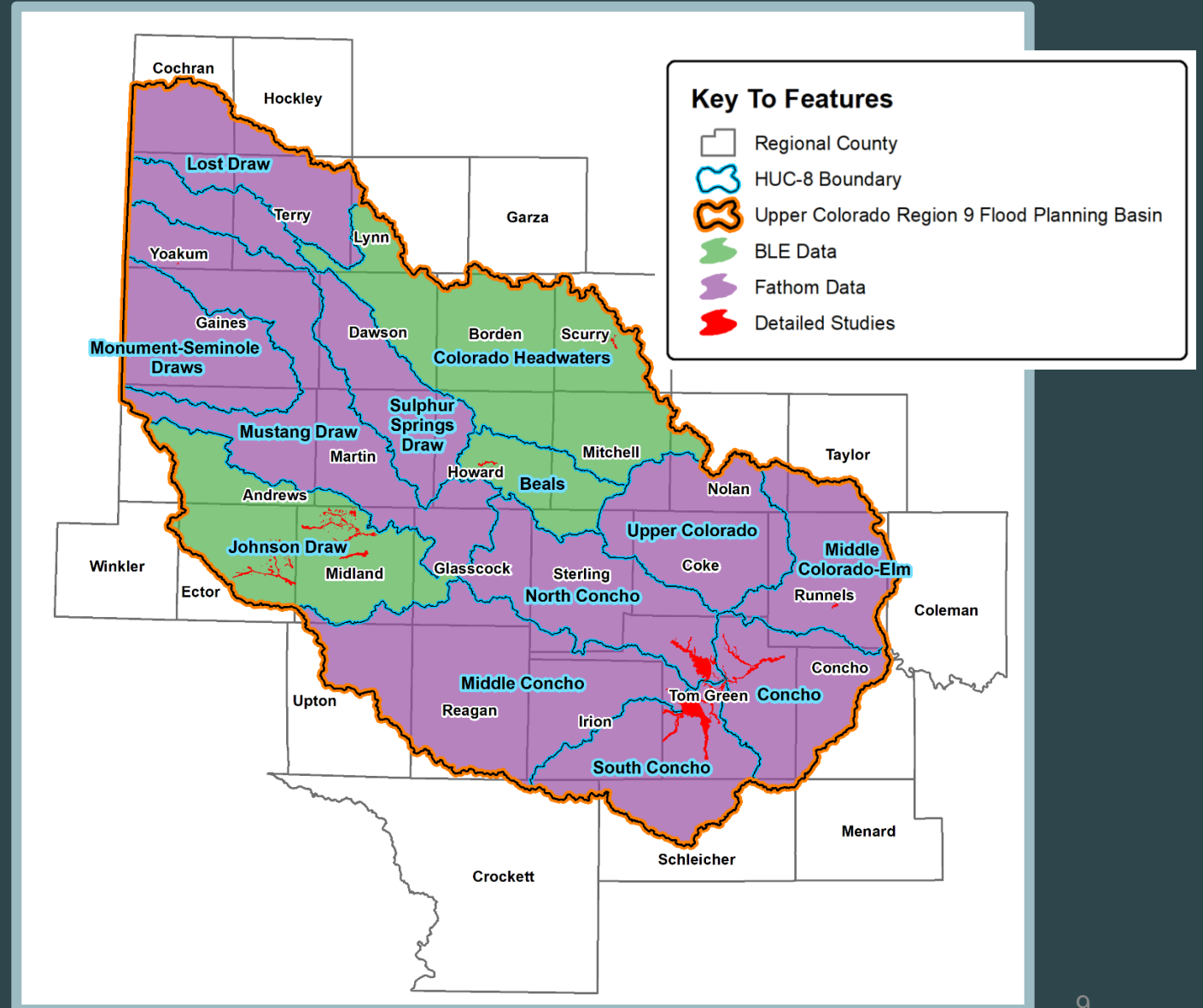
- Riverine
- Pluvial including Urban flooding

## FLOOD EVENT TYPES

- 10-Year
- 100-Year
- 500-Year
- Others

## DATA SOURCES

- TWDB Flood Quilt
- FEMA Effective FIRMs
- FEMA Base Level Engineering
- FATHOM
- Regional/Community Data



# Data Collection – Information Still Needed

- **Counties & Communities:** Need community input on proposed flood management strategies, flood mitigation projects, and flood management evaluations. **Provide your input today!**
- **Submittal Deadline:** **September 15, 2025**
- **Send email to Region 9 Project Manager:** Mio Matsumura – **Mio.Matsumura@hdrinc.com**



# Visit the Open House Stations today!

- **Station 1:** Goals and Overview - Region 9 – Upper Colorado
- **Station 2:** TWDB - State Flood Plan and Funding Programs
- **Station 3:** Base Level Engineering Demo
- **Station 4:** Flooding Issues Identification
- **Station 5:** FMX List Review and Input



# Contact Us – Upper Colorado Regional Flood Planning Group

RFPG Email Address:  
FloodRegion9@hdrinc.com



**COMING SOON!**

**New Upper Colorado RFPG Website!**

[www.uppercoloradoflood.org](http://www.uppercoloradoflood.org)

**COMING  
SOON!**



**TEXAS WATER  
DEVELOPMENT BOARD**