



# Texas General Land Office

## Community Development and Revitalization

*"The GLO stands ready to help our state maximize the use of this disaster recovery funding to build back stronger and more resilient communities."*

*~ George P. Bush, Commissioner*

# GLO-CDR Planning Team



**Jet Hays**

**Deputy Director of Integration**

**[Jet.Hays.GLO@recovery.texas.gov](mailto:Jet.Hays.GLO@recovery.texas.gov)**

254.289.7248 (mobile)



**Colleen Jones**

**Director of Planning**

**[Colleen.Jones.GLO@recovery.texas.gov](mailto:Colleen.Jones.GLO@recovery.texas.gov)**

512.939.3298 (mobile)



**Shonda Mace**

**Region – West, LRGV**

**[Shonda.Mace.GLO@recovery.texas.gov](mailto:Shonda.Mace.GLO@recovery.texas.gov)**

512.217.8195 (mobile)



**Ken Ashe**

**Overall PM (Wood)**

**[Ken.Ashe.Ctr@recovery.texas.gov](mailto:Ken.Ashe.Ctr@recovery.texas.gov)**

919.308.6881 (mobile)



**Tyler Payne**

**Region – East, Central (Interim)**

**[Tyler.Payne.GLO@recovery.texas.gov](mailto:Tyler.Payne.GLO@recovery.texas.gov)**

979.574.0554 (mobile)

# Planning Allocations



- **Mitigation Program - \$214M**
- **2018 South Texas Floods\* - \$3.64M**

\*Cameron, Hidalgo

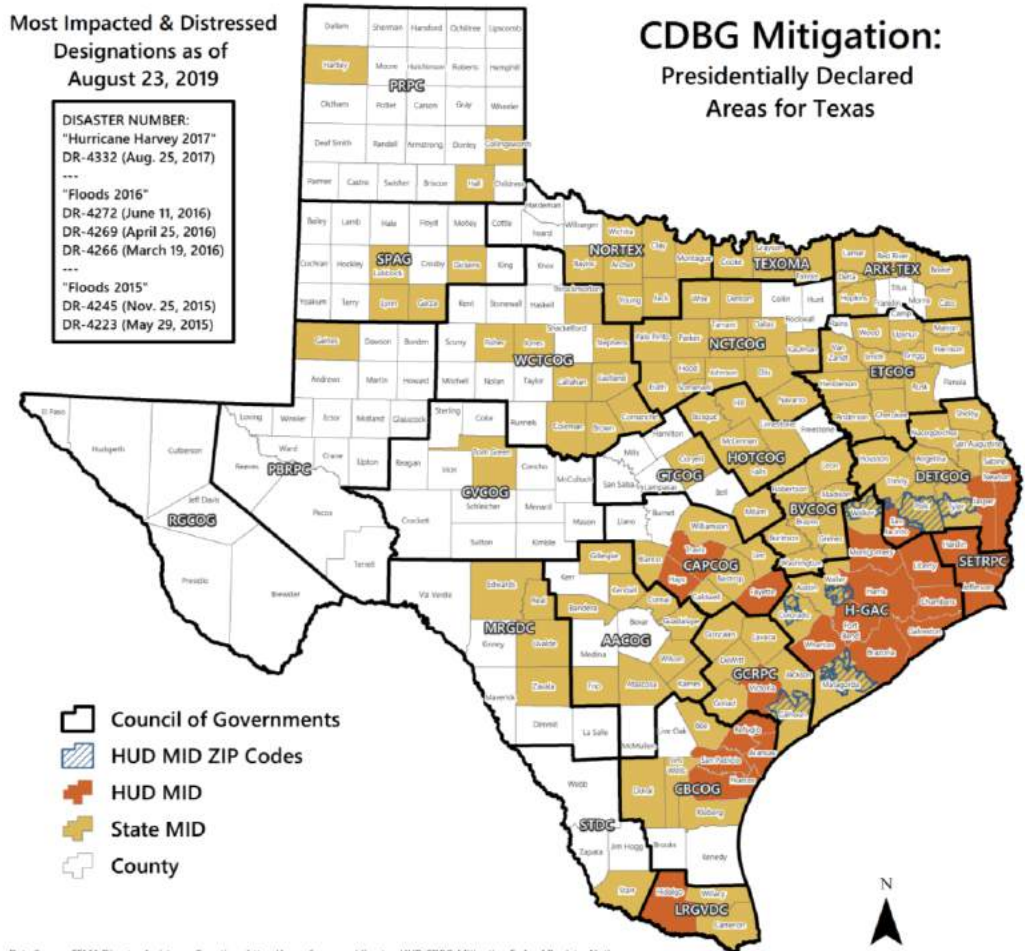
- **2019 Disasters\* - \$10.63M**

\*Cameron, Hidalgo, Willacy

Most Impacted & Distressed Designations as of August 23, 2019

DISASTER NUMBER:  
 "Hurricane Harvey 2017"  
 DR-4332 (Aug. 25, 2017)  
 ---  
 "Floods 2016"  
 DR-4272 (June 11, 2016)  
 DR-4269 (April 25, 2016)  
 DR-4266 (March 19, 2016)  
 ---  
 "Floods 2015"  
 DR-4245 (Nov. 25, 2015)  
 DR-4223 (May 29, 2015)

CDBG Mitigation:  
 Presidentially Declared  
 Areas for Texas



Data Source: FEMA Disaster Assistance Counties - <https://www.fema.gov/disaster>; HUD CDBG-Mitigation Federal Register Notice  
 Author: Texas General Land Office - Community Development and Revitalization Program  
 Projection: NAD 1983 Texas Statewide Mapping System

# GLO-Intergovernmental Relations (IGR)



**Mary Elen Williams**

Deputy Director | Intergovernmental Relations  
[MaryElen.Williams@glo.texas.gov](mailto:MaryElen.Williams@glo.texas.gov)

**Sarah Douglas**

Intergovernmental Relations  
 Planning Liaison  
 713.823.5582 (mobile)  
[Sarah.Douglas@glo.recovery.texas.gov](mailto:Sarah.Douglas@glo.recovery.texas.gov)

**Elijah Casas**

Community Outreach Coordinator  
 512.657.9673  
[Elijah.Casas@glo.recovery.texas.gov](mailto:Elijah.Casas@glo.recovery.texas.gov)

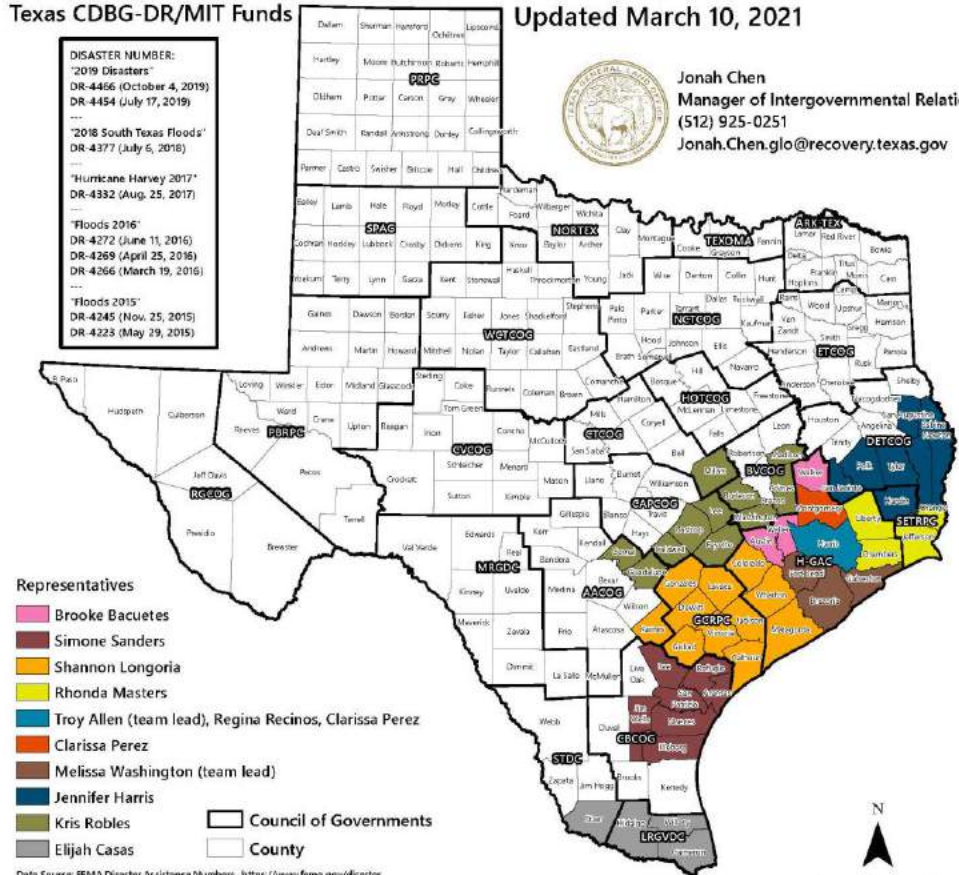
Federal/Presidential  
 Declaration Numbers for  
 Texas CDBG-DR/MIT Funds

DISASTER NUMBER:  
 '2019 Disasters'  
 DR-4466 (October 4, 2019)  
 DR-4454 (July 17, 2019)  
 ---  
 '2018 South Texas Floods'  
 DR-4377 (July 6, 2018)  
 ---  
 'Hurricane Harvey 2017'  
 DR-4332 (Aug. 25, 2017)  
 ---  
 'Floods 2016'  
 DR-4272 (June 11, 2016)  
 DR-4269 (April 25, 2016)  
 DR-4266 (March 19, 2016)  
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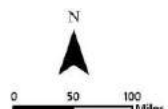
GLO-CDR: Intergovernmental Relations  
 Regional Representatives  
 Updated March 10, 2021



Jonah Chen  
 Manager of Intergovernmental Relations  
 (512) 925-0251  
[Jonah.Chen@glo.recovery.texas.gov](mailto:Jonah.Chen@glo.recovery.texas.gov)



Data Source: FEMA Disaster Assistance Numbers - <https://www.fema.gov/disaster>  
 Author: Texas General Land Office - Community Development and Revitalization Program  
 Projection: NAD 1983 Texas Statewide Mapping System



# GLO-CDR Planning Mission



## **Mission Statement:**

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.

## **What do decision makers need to make good decisions?**

### **Good data**

- Evaluate actual risk – data must be accurate and reliable
- Support cost effective mitigation strategies
- Determine funding sources for future projects



# Interagency Coordination



FEMA

TEXAS A&M  
AGRI LIFE  
EXTENSION



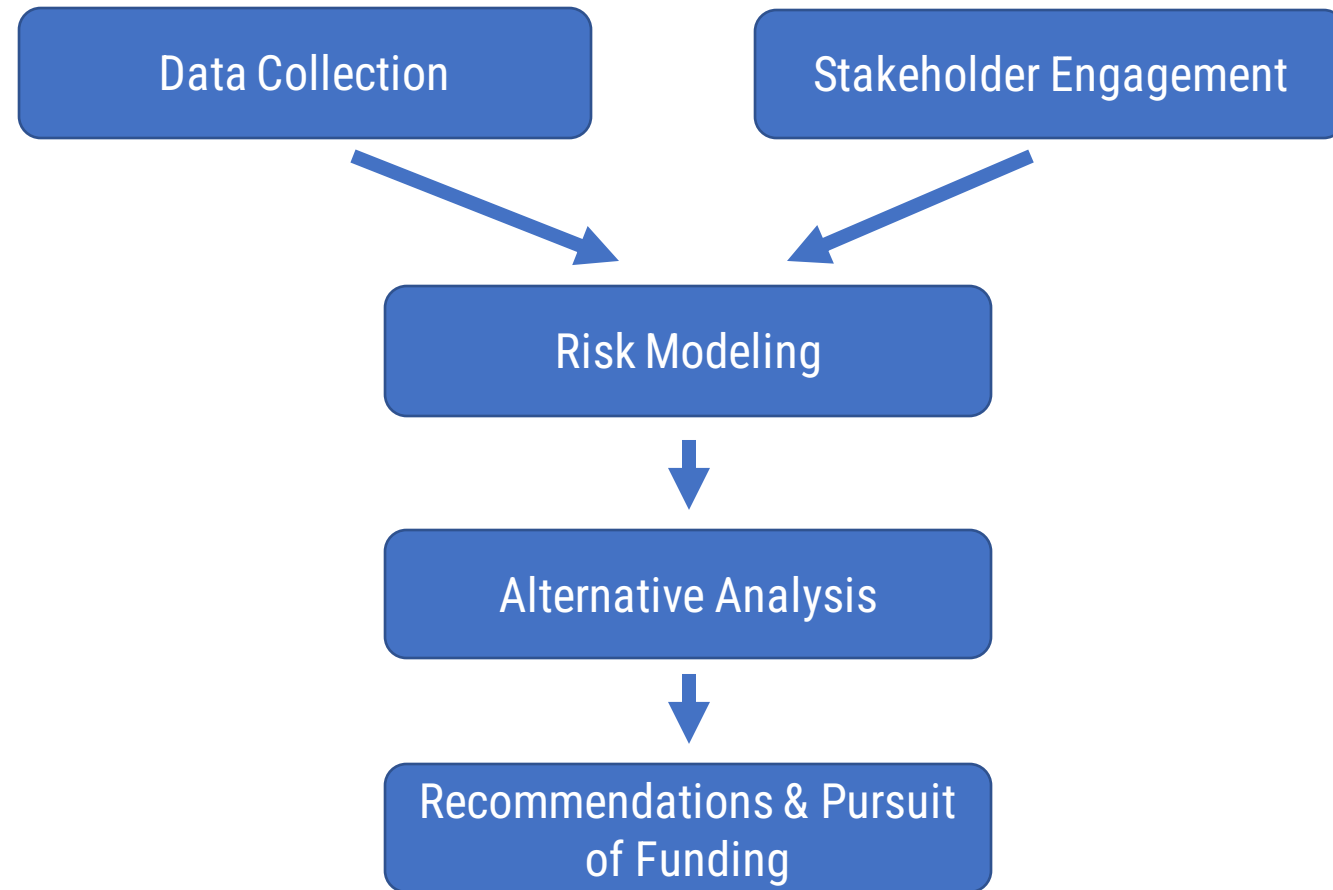
US Army Corps  
of Engineers®

Texas Water  
Development Board

USGS



# Strategic Framework



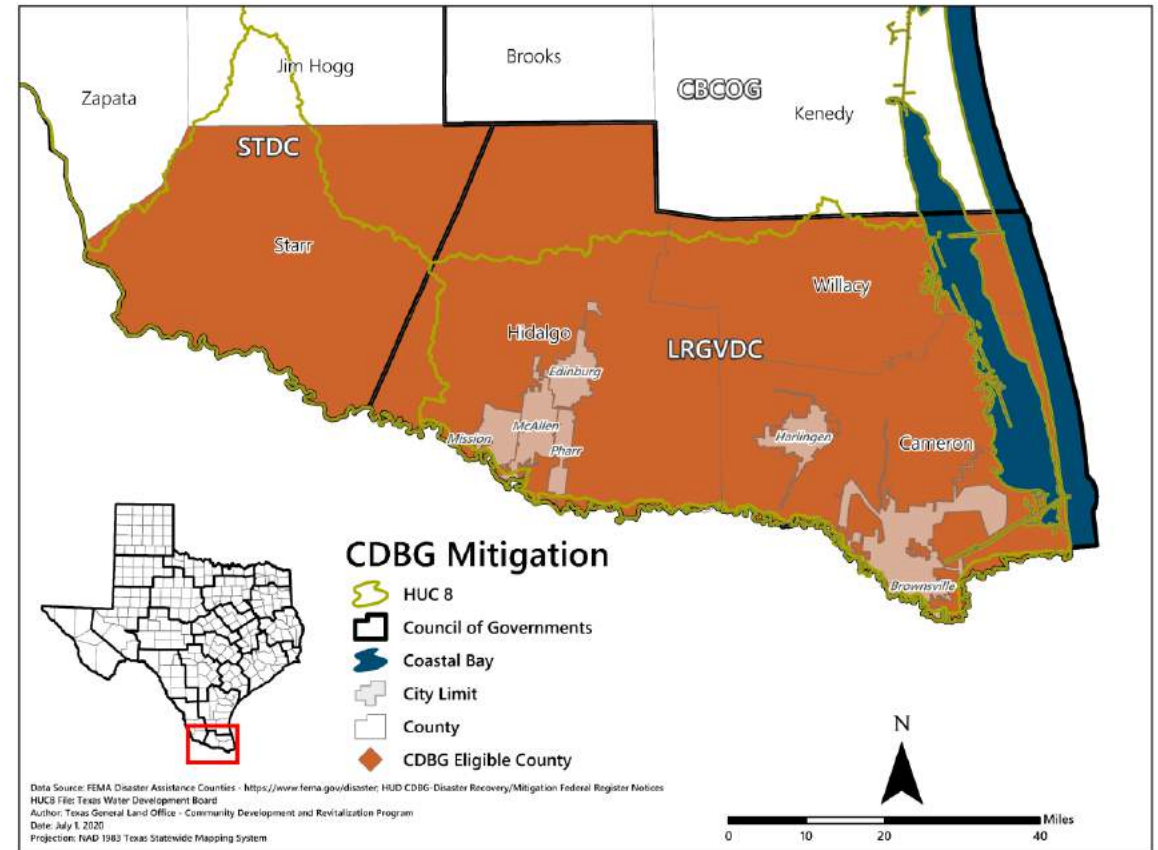
# LRGV Regional Flood Study



A regional flood study, encompassing Hidalgo, Willacy, Cameron, and Starr Counties, will mirror the ongoing *Flood Studies within Combined River Basins* study.

This study will evaluate mitigation and abatement strategies to reduce disaster impacts and increase community resiliency.

Funding - \$10M (2015 Floods & MIT)





# LRGV Regional Flood Study

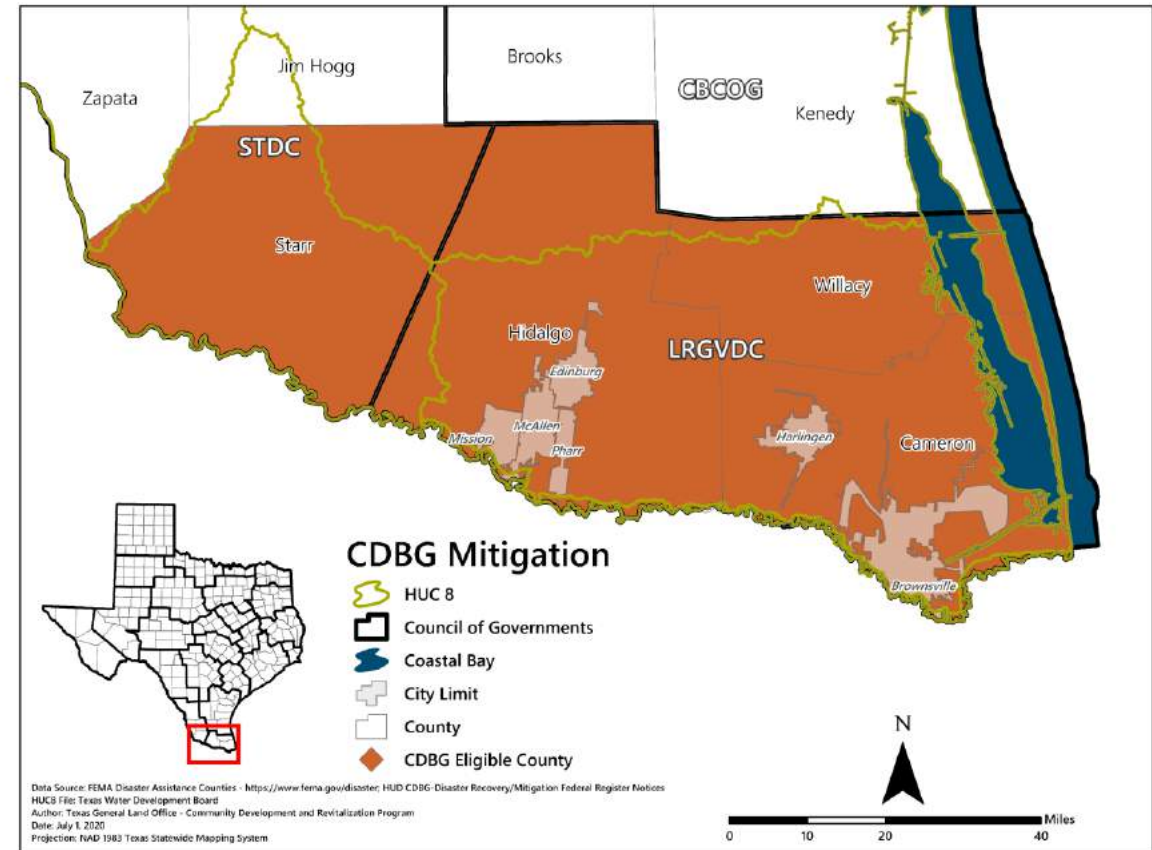


**Budget: \$10M**

## Five-phase study budget and timeline estimates:

- 1) Data Collection & Stake Holder Engagement Plan
  - \$450k – 6 Months
- 2) Data Collection & Stake Holder Engagement
  - 18 Months
- 3) Flood Model Development
  - 12 Months
- 4) Alternatives Analysis and Cost-Benefit Analysis
  - 6 Months
- 5) Recommendations and Pursuit of Additional Mitigation Funds
  - 6 Months

**End date: March 2025 (contract expires)**



# Texas Disaster Information System (TDIS)



**GLO is partnering with the Institute for a Disaster Resilient Texas (IDRT) at Texas A&M System to create TDIS.**

TDIS will be an interactive, web-based spatial data system designed to support Preparedness, Response, Recovery and Mitigation for the State of Texas. Together TDIS and IDRT will be able to:

- Employ statewide data analytics and mapping technologies.
- Provide users with accurate information to assess related disaster risks, impacts, and mitigation strategies.
- Enable secured sharing of Texas disaster data information across public networks.
- Preserve data products generated during disaster response, recovery and planning missions.

# LRGV Stakeholder Spreadsheet



	A	B	C	D	E	F	G	H	I
55	Michael Leo	City of Palmview	City Manager	<a href="mailto:mleo@cityofpalmview.us">mleo@cityofpalmview.us</a>	956-432-0300				
56	Rudy Flores	City of Palmview	Planning Director	<a href="mailto:rflores@cityofpalmview.us">rflores@cityofpalmview.us</a>	956-432-0300				
57	Richard Alaniz	City of Palmview	Public Works Director	<a href="mailto:ralaniz@cityofpalmview.us">ralaniz@cityofpalmview.us</a>	956-432-0300				
58	Mardoqueo Hinojosa	City of Edinburg	City Engineer	<a href="mailto:mhinojosa@cityofedinburg.com">mhinojosa@cityofedinburg.com</a>	956-388-8211	956-467-9536			
59	Marlen Garza	City of La Grulla	City Secretary	<a href="mailto:m.garza@cityofgrulla.com">m.garza@cityofgrulla.com</a>	956-844-1072				
60	Jose Perez	Starr County	Commissioner Pct1	<a href="mailto:jose.perez@co.starr.tx.us">jose.perez@co.starr.tx.us</a>	956-500-1121				
61	Beto Garza	Starr County	Commissioner Pct 1 Office Supervisor/Foreman	<a href="mailto:betogarza54@yahoo.com">betogarza54@yahoo.com</a>	956-849-2606				
62	JJ Ybarra	City of Elsa	City Manager	<a href="mailto:jjybarracitymanager@cityofelsa.com">jjybarracitymanager@cityofelsa.com</a>	956-332-4873				
63	Yvette Cabrera	City of Granjeno	Mayor	<a href="mailto:cityofgranjeno@yahoo.com">cityofgranjeno@yahoo.com</a>	956-519-0032	956-227-7127			
64	Coreena Alvarado	City of Granjeno	City Clerk	<a href="mailto:cityofgranjeno@yahoo.com">cityofgranjeno@yahoo.com</a>	956-519-0032	956-222-8183			
65	Eloy Garza	Starr County	Commissioner Pct 3	<a href="mailto:eloygarza1949@gmail.com">eloygarza1949@gmail.com</a>	956-735-5499				
66	Reyna Guerra	Starr County	Administrative Assistant	<a href="mailto:rguerra@co.starr.tx.us">rguerra@co.starr.tx.us</a>	956-716-4800				
67	Eliberto Guerra	Willacy County	Commissioner Pct1	<a href="mailto:beto.guerra@co.willacy.tx.us">beto.guerra@co.willacy.tx.us</a>	956-966-8075	Cell: 956-966-8075			
68	Eduardo Gonzales	Willacy County	Commissioner Pct4	<a href="mailto:eduardo.gonzales@co.willacy.tx.us">eduardo.gonzales@co.willacy.tx.us</a>	956-966-6361				
69	Maria Valdez	City of Progreso Lakes	City Secretary	<a href="mailto:progreso_lakes@yahoo.com">progreso_lakes@yahoo.com</a>	956-565-3602				

# Opportunity for Collaboration: High-Level Project Comparison

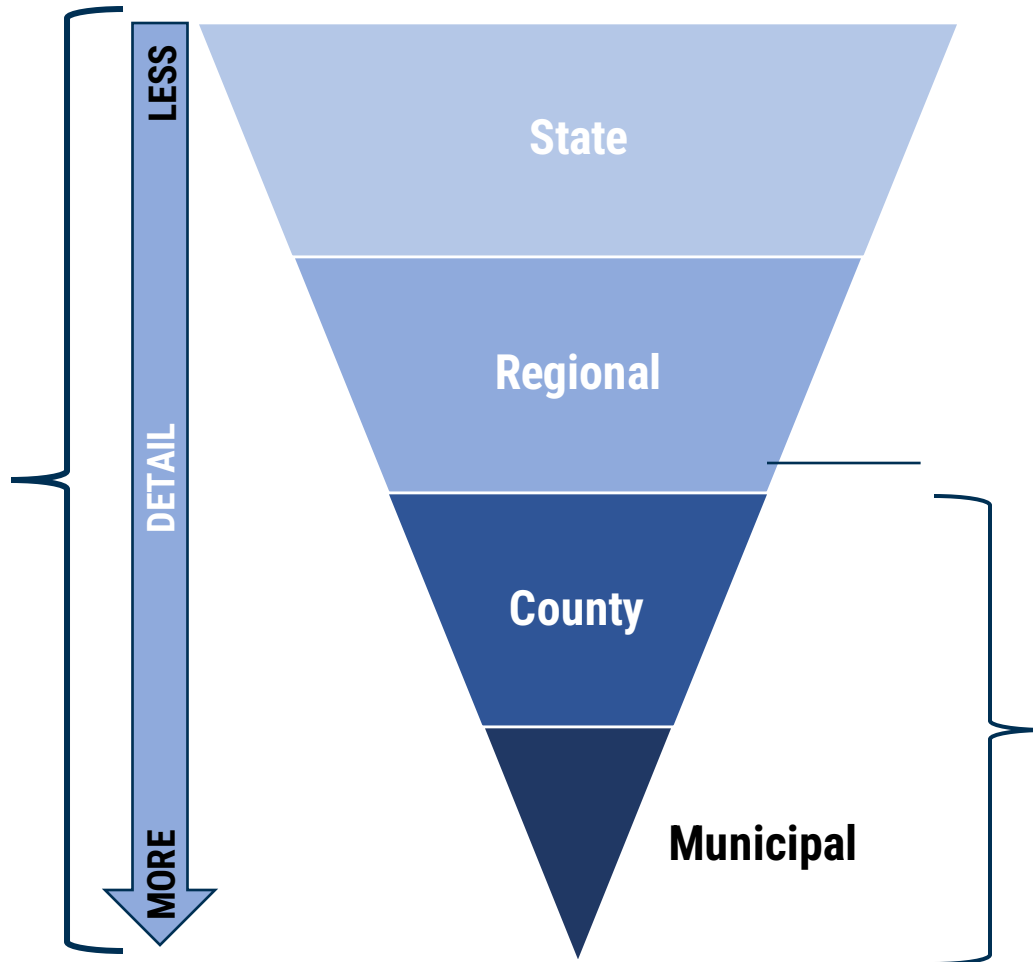


	Combined River Basins Study	Regional Flood Planning Groups
<b>Study Leads</b>	Texas General Land Office (GLO)	Texas Water Development Board (TWDB)
<b>Location</b>	<p><b>Presidential disaster-impacted counties</b> within Texas</p> <ul style="list-style-type: none"> <li>• East, Central, West (Harvey)</li> <li>• Lower Rio Grande Valley (2015/2016)</li> </ul>	<b>All of Texas</b>
<b>Project Goals</b>	<p>Evaluate flood risks to inform the development of <b>cost-effective mitigation projects</b> and align them with appropriate funding opportunities</p> <p><b>Share all data and information collected and produced</b> to support current and future flood resiliency efforts (ex. State Flood Plans, Texas Disaster Information System)</p>	Develop <b>Regional and State Flood Plans</b> , aimed to reduce the risk and impact of flooding to lives and property
<b>Flooding Types Considered</b>	<ul style="list-style-type: none"> <li>• Coastal flooding</li> <li>• Riverine flooding</li> </ul>	<ul style="list-style-type: none"> <li>• Coastal flooding</li> <li>• Riverine flooding</li> <li>• Dam Safety</li> </ul>
<b>Level of Detail</b>	<b>Detailed</b> to support alternatives analysis and project cost estimates for <b>targeted high-risk areas</b>	<b>Planning-level</b>
<b>Delivery Timeline</b>	<b>One-time Deadline:</b> Summer 2024	<b>Cyclical</b> (updated every 5 years) <b>Deadline:</b> Aug 2022(First Planning Cycle Draft Flood Plan due to TWDB)
<b>Budget</b>	<p><b>\$85M Total</b></p> <ul style="list-style-type: none"> <li>• \$25M per East, Central, West Regions (HUD CDBG-DR)</li> <li>• \$10M for Lower Rio Grande Valley Region (CDBG-MIT)</li> </ul>	<b>\$19.5M Total</b> (First Planning Cycle)

# Opportunity for Collaboration: Level of Detail Comparison



Levels of *detail* depend on *schedule* and level of *effort*



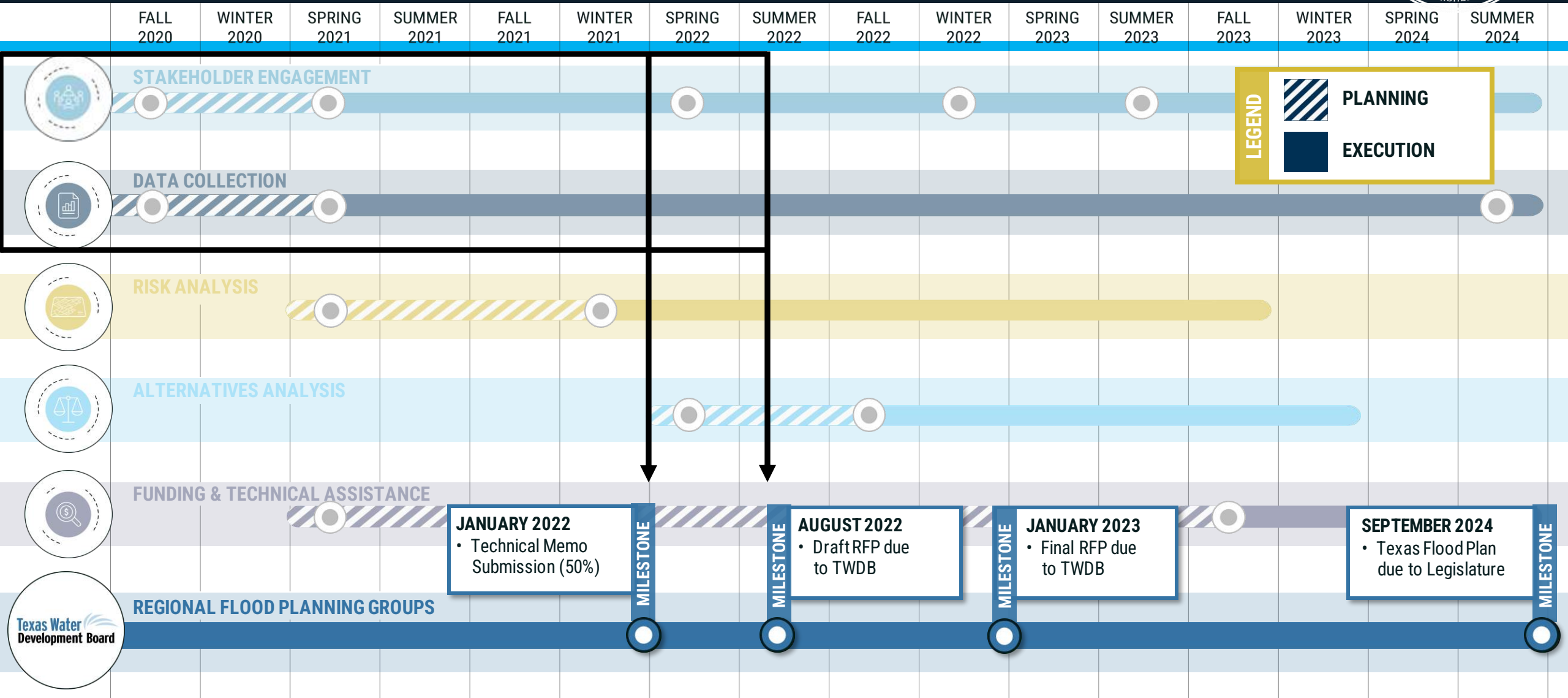
**Regional Flood Plans** will largely be a **compilation and/or analysis of existing information**.

*RFPGs can take advantage of ongoing and completed flood risk reduction efforts throughout the Region (e.g. San Jacinto Watershed Drainage Master Plan, Fort Bend County-wide Drainage District Study, Combined River Basin Study), and **resources can be re-allocated** to enhance the level of detail incorporated into the RFP.*

The **Combined River Basin Study** leverages existing data but includes developing **new detailed modeling and information** for identified high risk areas.

*GLO can **provide collected flood risk data and stakeholder information for the first planning cycle** (reducing initial time and effort of collection) and **provide all final modeling and information for the next planning cycle** (enhancing the level of detail included in the RFP).*

# Timeline



# Opportunity for Collaboration: Leveraging the GLO Study



## First RFPG Planning Cycle



- Share stakeholder engagement resources developed or compiled



- Provide available data collected, including funding source information

## Future RFPG Planning Cycles



- Share stakeholder engagement information and resources compiled as a result of this Study



- Provide collected and produced flood risk data



- Share baseline flood risk modeling and mapping where developed



- Provide information on identified flood mitigation projects (FMPs) developed in support of Alternatives Analysis



- Share grant application and technical assistance information developed and collected

# Economic Development Strategy and Diversification Study



- Purpose – Development of strategies to both expand the economy of the Valley as well as make communities more resilient to future disaster impacts while recovering.
- Funding - 2019 Floods
- Coastal Bend Eco Dev Study:  
<https://recovery.texas.gov/local-government/resources/planning/economic-development-study/index.html>





# Walkability (Transportation) Study



- **Purpose – To study how city populations located in low tide sections of towns in three counties in the Valley can evacuate on foot to shelters during high rainfall events so that first responders can focus on other issues.**
- **Funding - 2019 Floods**





# Questions?

Colleen Jones

[Colleen.jones.glo@recovery.texas.gov](mailto:Colleen.jones.glo@recovery.texas.gov)

Shonda Mace

[Shonda.mace.glo@recovery.texas.gov](mailto:Shonda.mace.glo@recovery.texas.gov)