

**Region 2 Lower Red-Sulphur-Cypress Regional Flood Planning Group
Technical Advisory Sub-Committee Meeting**

March 18, 2022

10:00 am

at

Titus County AgriLife Extension Office,

1708 Industrial Road,

Mt. Pleasant, TX 75455

or

Via teleconference/webinar

Use the following information to register for the meeting:

<https://us06web.zoom.us/meeting/register/tZ0lf-Ctrz0pEtPpW-0qimGj782rLmFzIRR1>

After registering, you will receive a confirmation email containing information about joining the meeting.

If you experience issues while registering or do not have access to a computer, please contact Paul Prange no less than two (2) workdays prior to the meeting at 903.255.3519 or pprange@atcog.org.

Agenda:

1. Call to Order
2. Confirmation of attendees / determination of quorum
3. *Election of Sub-Committee Officers per Article XII, Section 3 of the Bylaws
4. Acknowledgement of written public comments received
5. Receive registered public comments on specific agenda items – limit 3 minutes per person

Technical Consultant Update

6. Technical Presentation by Halff Associates, Inc.
 - a. Task 5 overview (10 min)
 - i. Purpose
 1. FME, FMP and FMS recommendations
 - ii. Process Overview (FME, FMP, and FMS)
 1. Background context and findings summary
 2. Questions for Sub-Committee
 3. Other Sub-Committee Guidance
 - iii. Technical Sub-Committee involvement and key roles
 - b. FME (40 min)
 - i. TWDB requirements
 - ii. Sources
 - iii. Geographical distribution and categories
 - iv. Flood Risk Indicators and Planning Level Costs
 - v. Assessment examples
 - vi. Technical Sub-Committee guidance for recommendations
 1. Practical considerations and constraints for not recommending an FME
 2. Propose additional FME (if needed)
 - c. FMP (30 min)
 - i. TWDB requirements for FMP
 - ii. Sources

- iii. Geographical distribution and categories
 - iv. Assessment examples
 - v. Technical Sub-Committee guidance for recommendations
 - 1. Practical considerations and constraints for not recommending an FMP
 - d. BREAK (10 min)
 - e. FMS (25 min)
 - i. TWDB requirements
 - ii. Sources
 - iii. Geographical distribution and categories
 - iv. Assessment examples
 - v. Technical Sub-Committee guidance for recommendations
 - 1. Practical considerations and constraints for not recommending an FMS
 - 2. Propose additional FMS (if needed)
 - f. *Action Items (15 min)

Other Business

- 7. Receive registered general public comments
- 8. Update from Planning Group Sponsor
- 9. Consider date and agenda items for next meeting
- 10. Adjourn

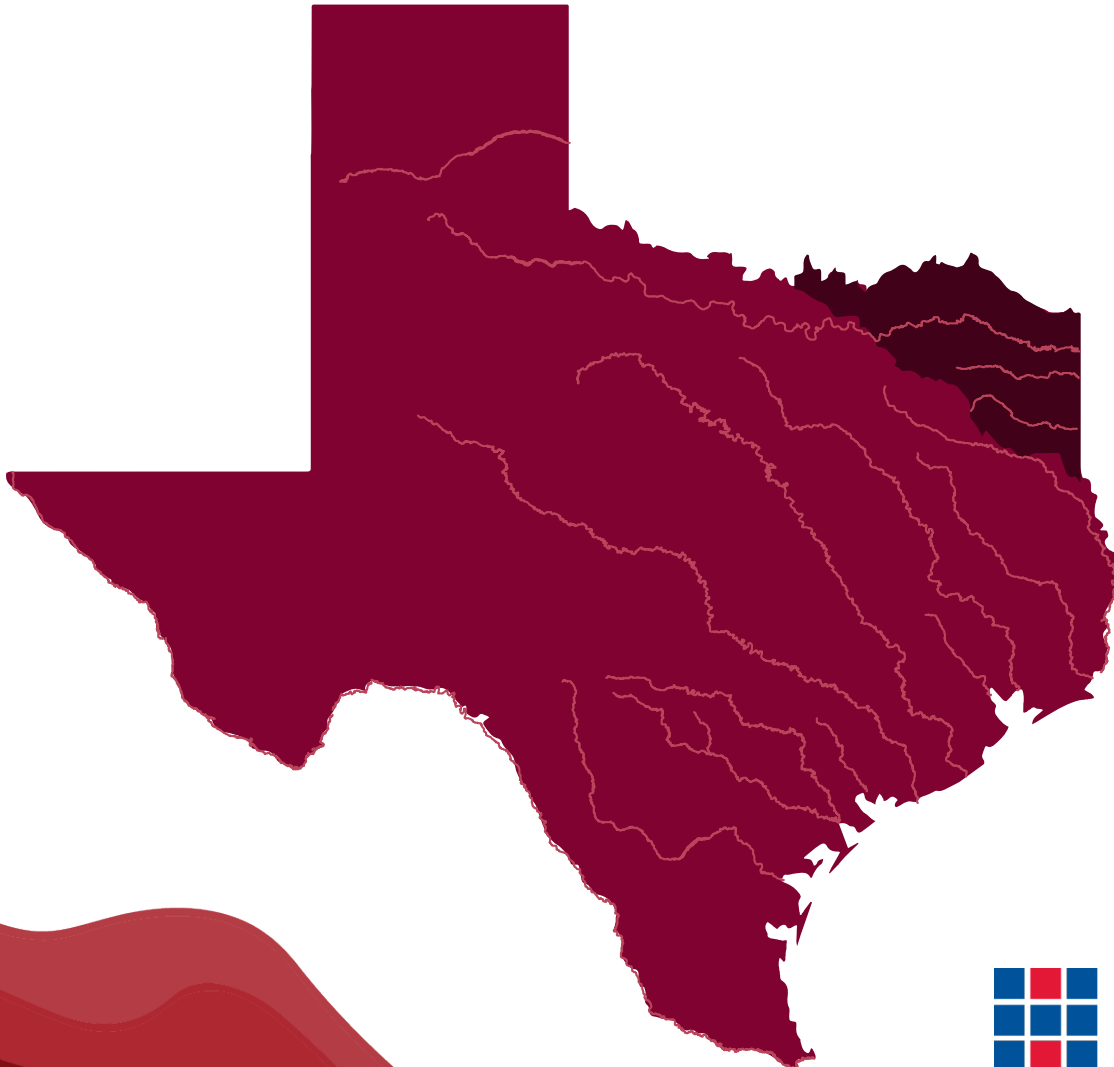
***Denotes Action Items**

If you wish to provide written comments prior to or after the meeting, please email your comments to pprange@atcog.org and include "Region 2 RFPG Meeting" in the subject line of the email – OR – you may mail your comments to Region 2 RFPG, c/o ATCOG – Paul Prange, 4808 Elizabeth St, Texarkana, TX 75503.

If you wish to provide oral public comments at the meeting, please submit a request via email to pprange@atcog.org, include "Region 2 RFPG Meeting Public Comment Request" at least 2 hours prior to the meeting, and follow the registration instructions at top of page 1 of the Agenda.

Additional information may be obtained from: www.texasfloodregion2.org, or by contacting Paul Prange at pprange@atcog.org, 903-832-8636, -or- Region 2 RFPG, c/o ATCOG, 4808 Elizabeth St, Texarkana, TX 75503

All meeting agendas and notices will be posted on our website at www.texasfloodregion2.org. If you wish to be notified electronically of RFPG activities, please submit a request to pprange@atcog.org, include "Request for notification of Region 2 RFPG activities". This request will be honored via email only unless reasonable accommodations are needed.



Regional Flood Planning Subcommittee Meeting Lower Red-Sulphur- Cypress

March 18, 2022





1. Call to order



2. Roll call



3. Approval of minutes



4. Acknowledgement of written
comments received



5. Public comments on agenda items




6. Consultant update



CONSULTANT UPDATE

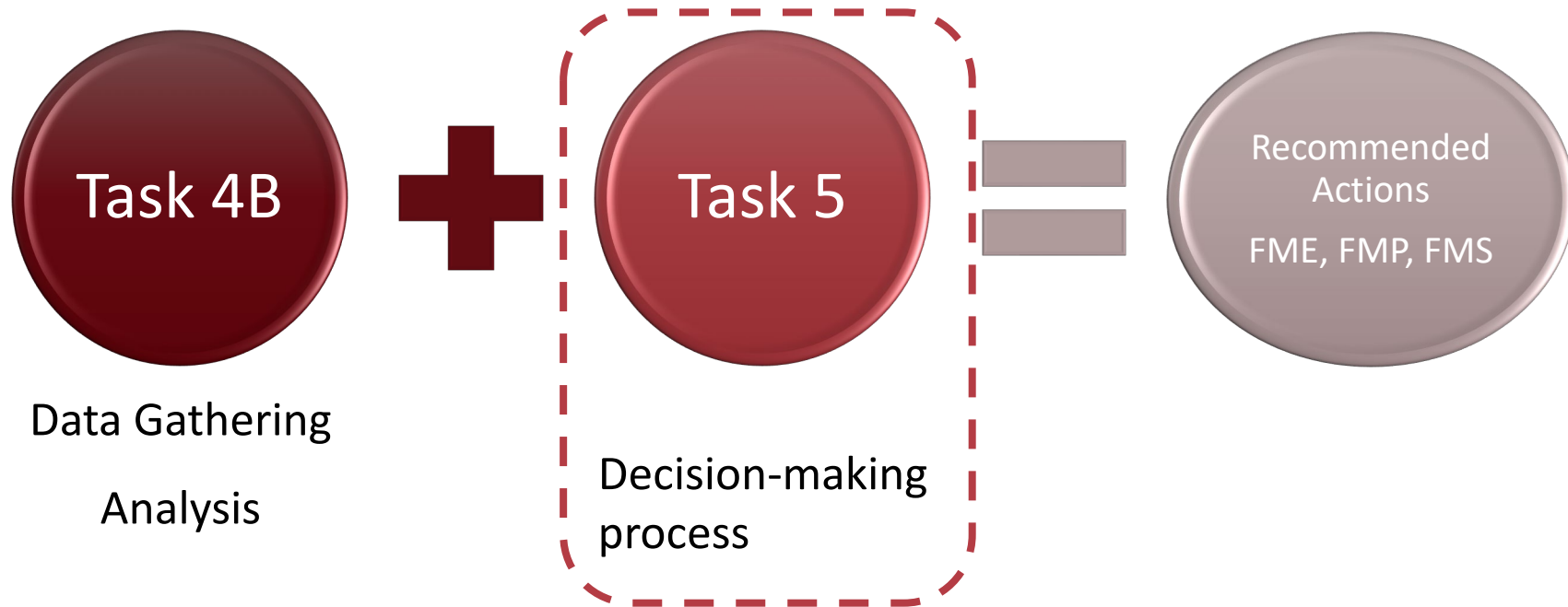
- Overview and Approach to Chapter 5 Recommendation of FME, FMP, and FMS
- Technical Sub-Committee Involvement and Roles
- Assessment & Guidance for Recommendations of FME, FMP, FMS



Task 5

Recommendation of FME, FMP, and FMS

Purpose



Today's General Workflow

TC Presentation



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graph TD; A[TC Presentation] --> B[TC Questions for Subcommittee]; B --> C[Subcommittee Input];
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TC Questions for
Subcommittee

Subcommittee Input

Questions for Later Discussion

Decision-making

- Subcommittee Y/N on each FMX
- Guidance provided to TC for Y/N

Selection Philosophy

- Select only RFPG priority FMXs
- Include all eligible FMXs

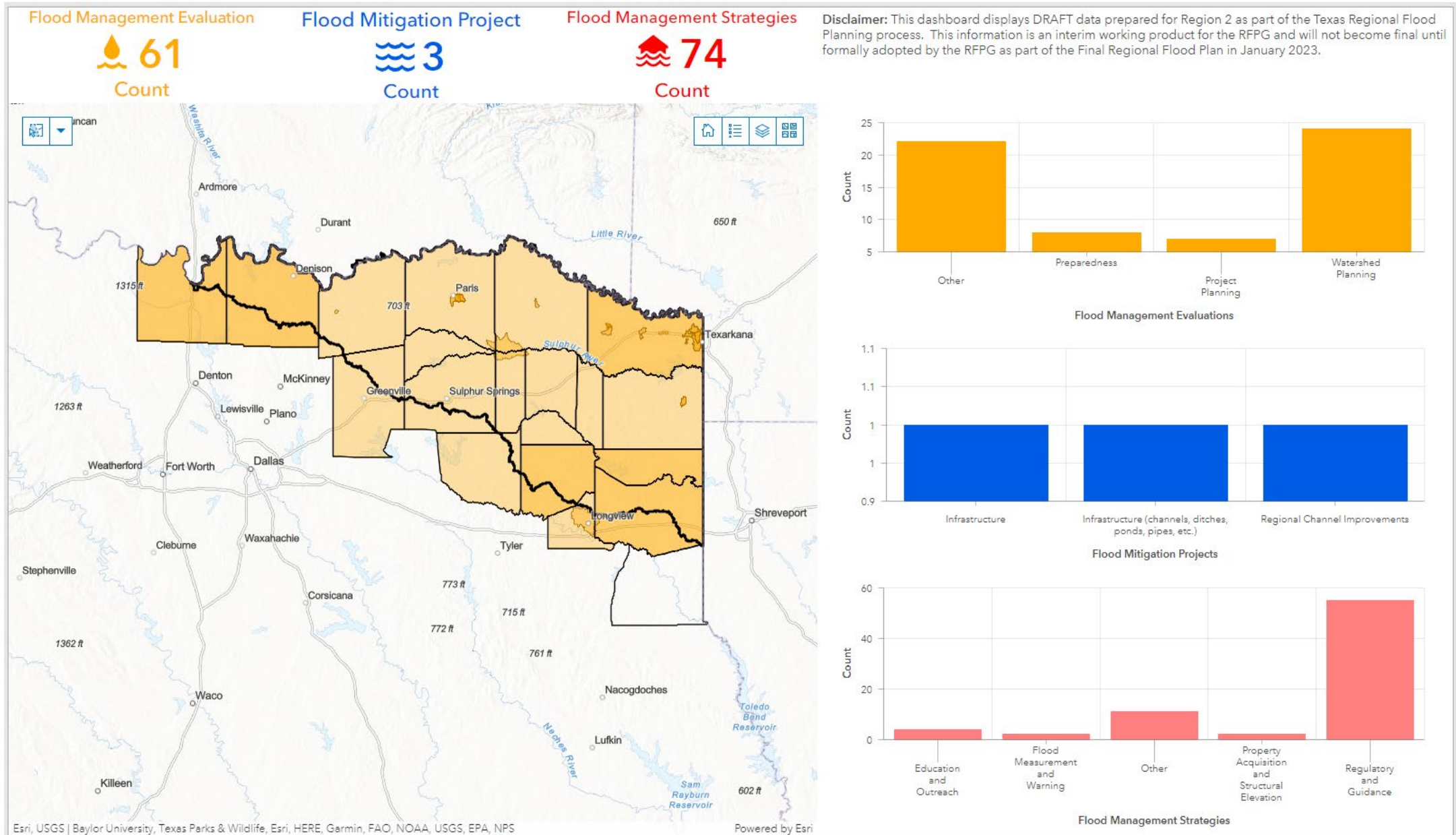
Local Sponsor

- Verify an entity's willingness to sponsor FMX
- "Assign" Sponsors, option to decline later

Additions

- New FMEs
- New FMSs

Findings Summary



Flood Management Evaluations (FME)

TWDB Requirements

Definition: Proposed flood study of a specific, flood-prone area that is needed in order to assess flood risk and/or determine whether there are potentially feasible FMSs or FMPs.

1. Identify and investigate solutions to mitigate the 1% annual chance flood.
2. Support a specific RFPG Goal.
3. Are most likely to result in identification of potentially feasible FMPs or FMSs for the next cycle.

Flood Management Evaluations (FME)

Sources

- Survey responses for flood prone areas
- Results of Flood Risk Evaluation (Task 2)
 - Structures, Low water crossings
- Results of Needs Analysis (Task 4A)
- Hazard Mitigation Action Plans (HMAP)
- FIF applications not chosen for funding
- County or City Drainage Master Plan
- Direct communication with Sponsors
- RFPG



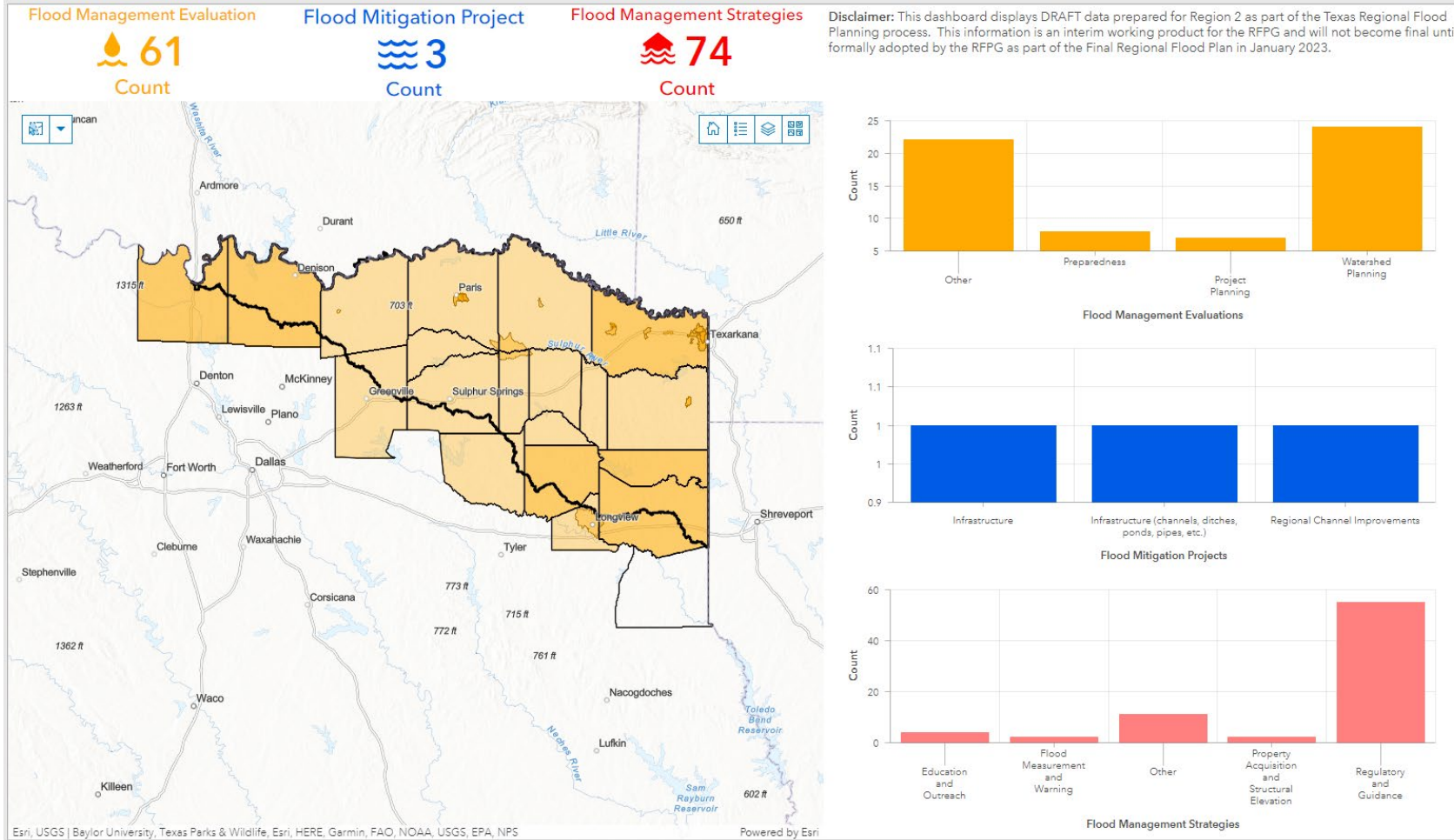
Flood Management Evaluations (FME)

FME Categories

- Watershed Planning
 - Drainage Master Plan
 - Flood Mapping Updates
 - FIS
 - Dam Failure
 - Levee Failure
 - H&H Modeling
- Flood Preparedness Studies
- Engineering Project Planning
 - Channelization
 - Culvert Improvements
 - Erosion Control
 - Low Water Crossing
 - Road/Bridge Improvements
 - Storm Drain Improvements
 - Stream Stabilization
- Other

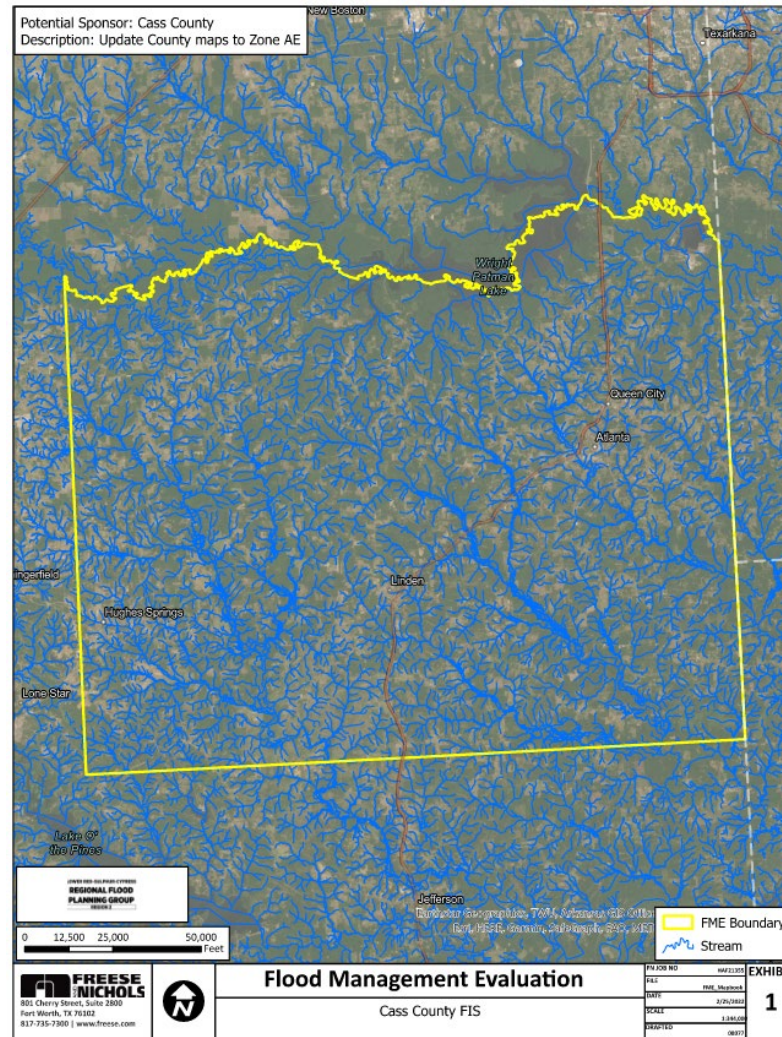
Flood Management Evaluations (FME)

Geographical Distribution & Flood Risk Indicators



Flood Management Evaluations (FME)

Assessment Examples



Recommend

Flood Management Evaluations (FME)

Assessment Examples

- Known reasons to Not Recommend an FME:

- Study has been already performed
- Study already has allocated funding

 **Not Recommend**

- Additional RFPG reasons to Not Recommend an FME:

- RFPG has not contacted potential Sponsor?
- Entity is not willing to sponsor the FME?
- Others?



Sub-Committee Guidance for FME Recommendations

Flood Mitigation Projects (FMP)

TWDB Requirements

1. Identify and investigate solutions to mitigate the 1% annual chance flood.
* Lower level of service (LOS) is acceptable.
2. Support a specific RFPG Goal.
3. Mitigation projects only (response and recovery projects are not eligible).
4. Detailed H&H modeling results must be available to determine:
 - Quantifiable flood risk reduction benefits
 - No negative impacts to neighboring areas
5. Discrete projects (not entire capital program or drainage master plan).
6. May not negatively impact an entities water supply.
7. May not result in overallocation of a water source.

Flood Mitigation Projects (FMP)

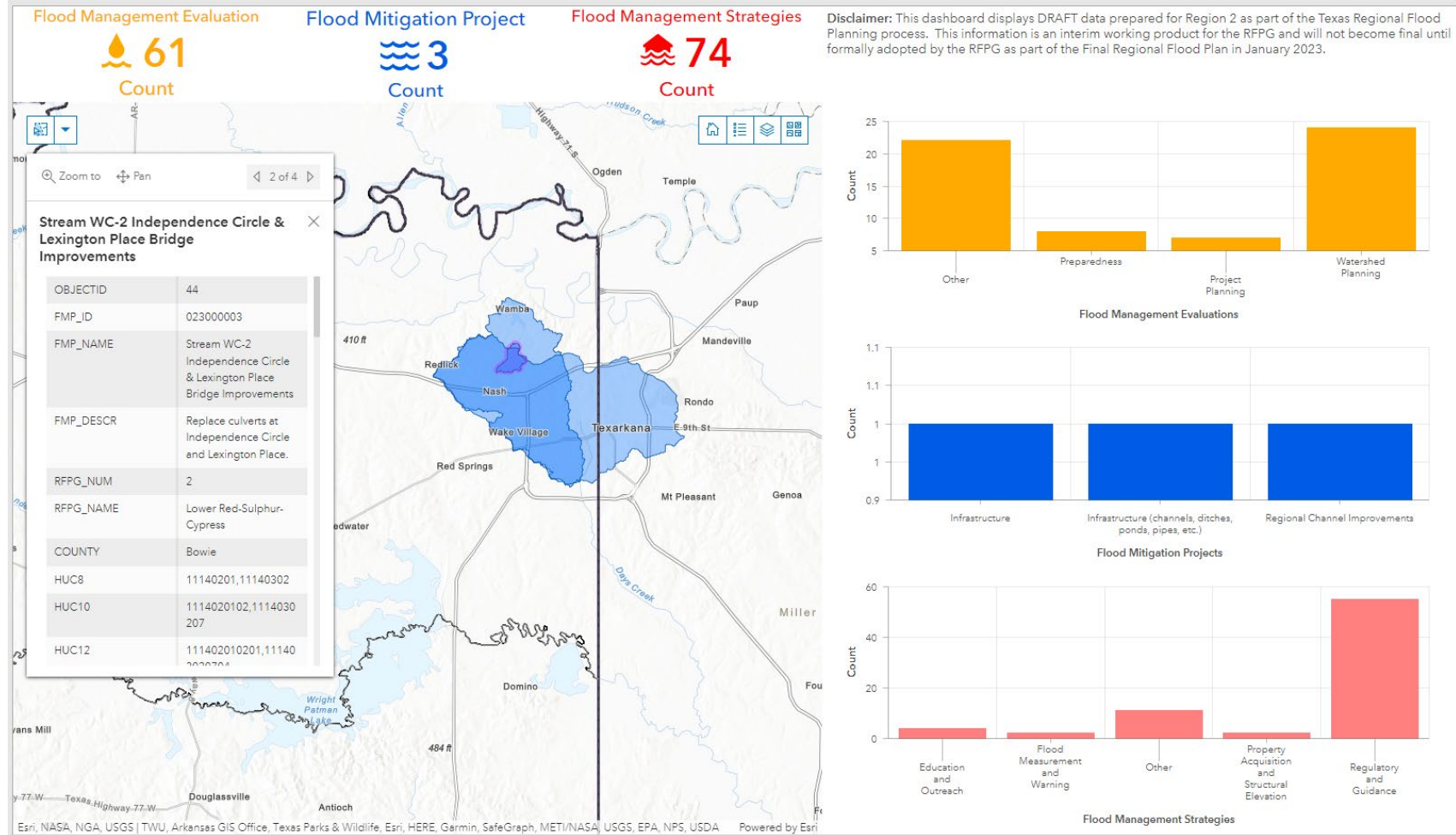
Sources

- Survey responses
- FIF applications not chosen for funding
- County or City Drainage Master Plans
- Direct communication with Sponsors



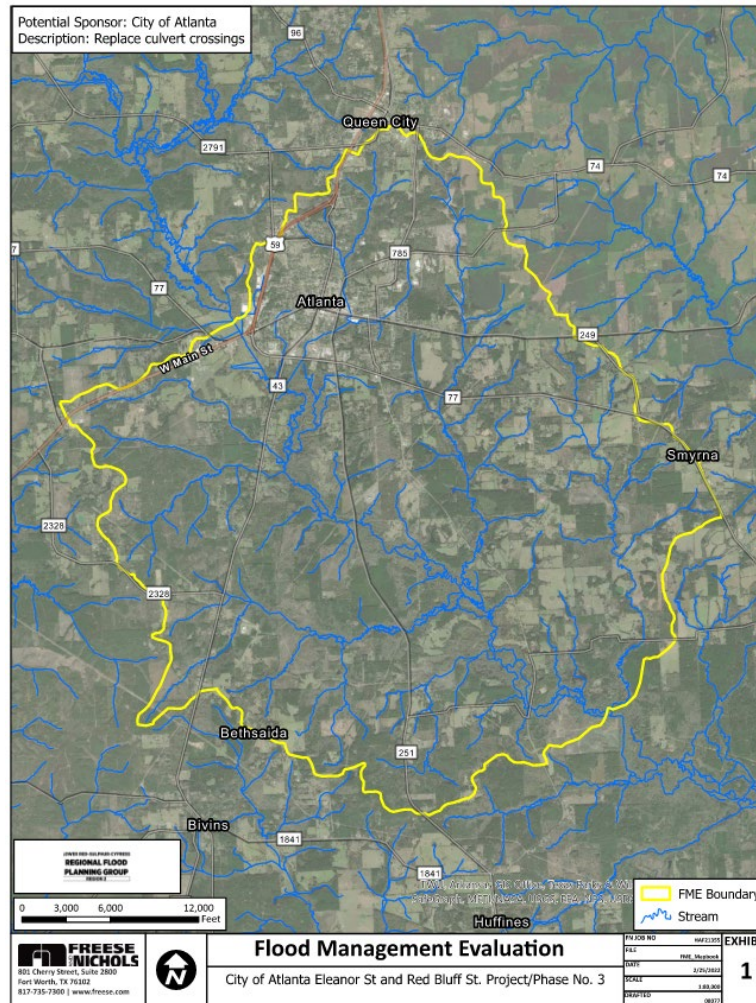
Flood Mitigation Projects (FMP)

Geographical Distribution & Categories



Flood Mitigation Projects (FMP)


Assessment Examples



Not Recommend
Project reclassified to FME


Flood Mitigation Projects (FMP)

Assessment Examples

- Known reasons to Not Recommend an FMP:
 - Negative/Adverse impact identified
 - Impacts to water supply
 - Doesn't provide measurable reduction in flood impacts
 - Hydrologic and Hydraulic models are insufficient (demote)
 - Additional RFPG reasons to Not Recommend an FMP:
 - RFPG has not contacted potential Sponsor?
 - Entity is not willing to sponsor the FME?
 - Known opposition?
 - Others?
- 



Sub-Committee Guidance for FMP Recommendations



BREAK (10-min)

Flood Management Strategies (FMS)

TWDB Requirements

1. Identify and investigate solutions to mitigate the 1% annual chance flood.
* Lower level of service (LOS) is acceptable.
2. Support a specific RFPG Goal.
3. Quantifiable flood risk reduction benefits (as applicable).
4. No negative impacts to neighboring areas.
5. May not negatively impact an entities water supply.
6. May not result in overallocation of a water source.

Flood Management Strategies (FMS)

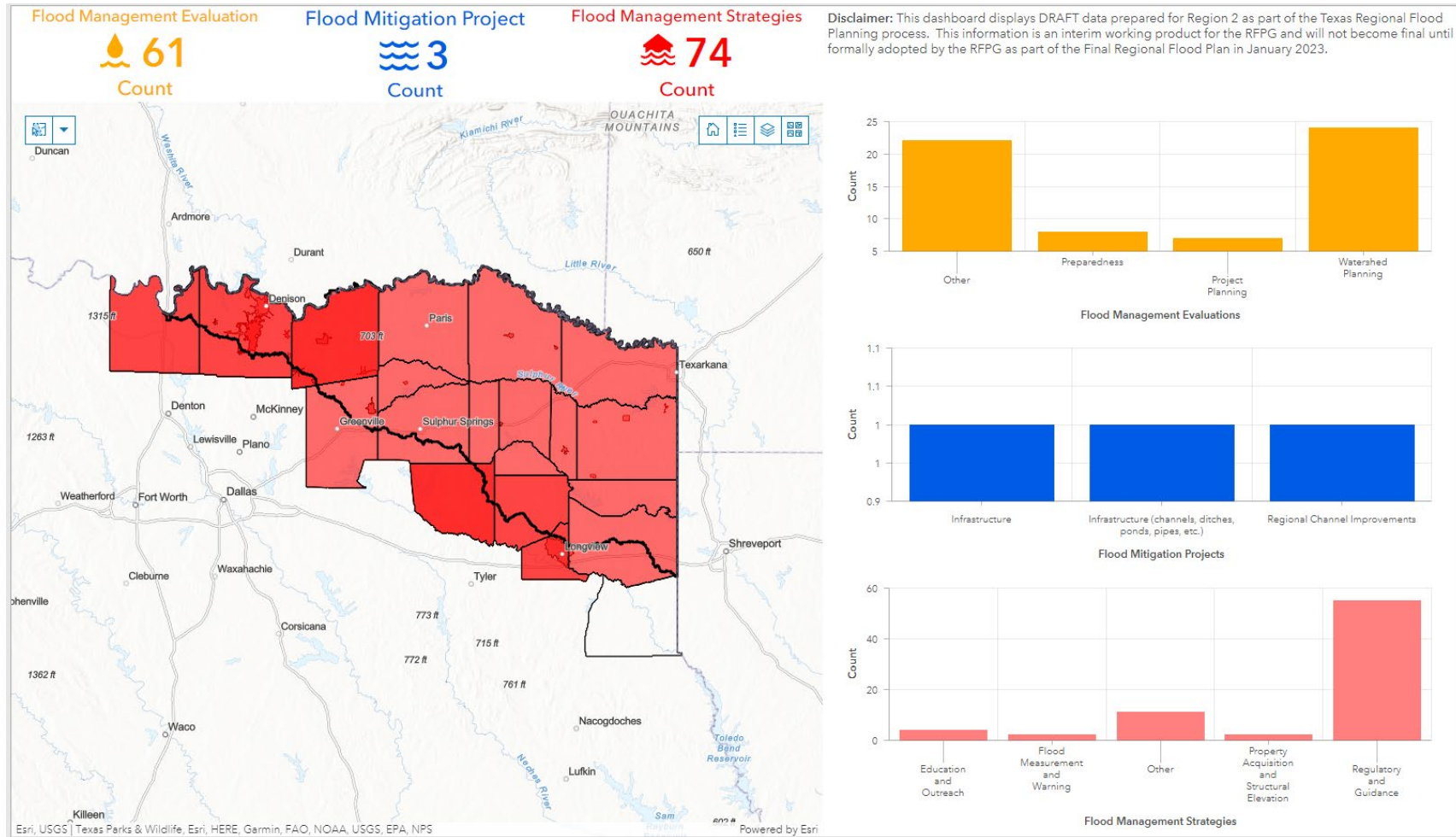
Sources

- Survey responses
- Needs assessment
- Hazard Mitigation Action Plans
- Direct communication with Sponsors
- RFPG



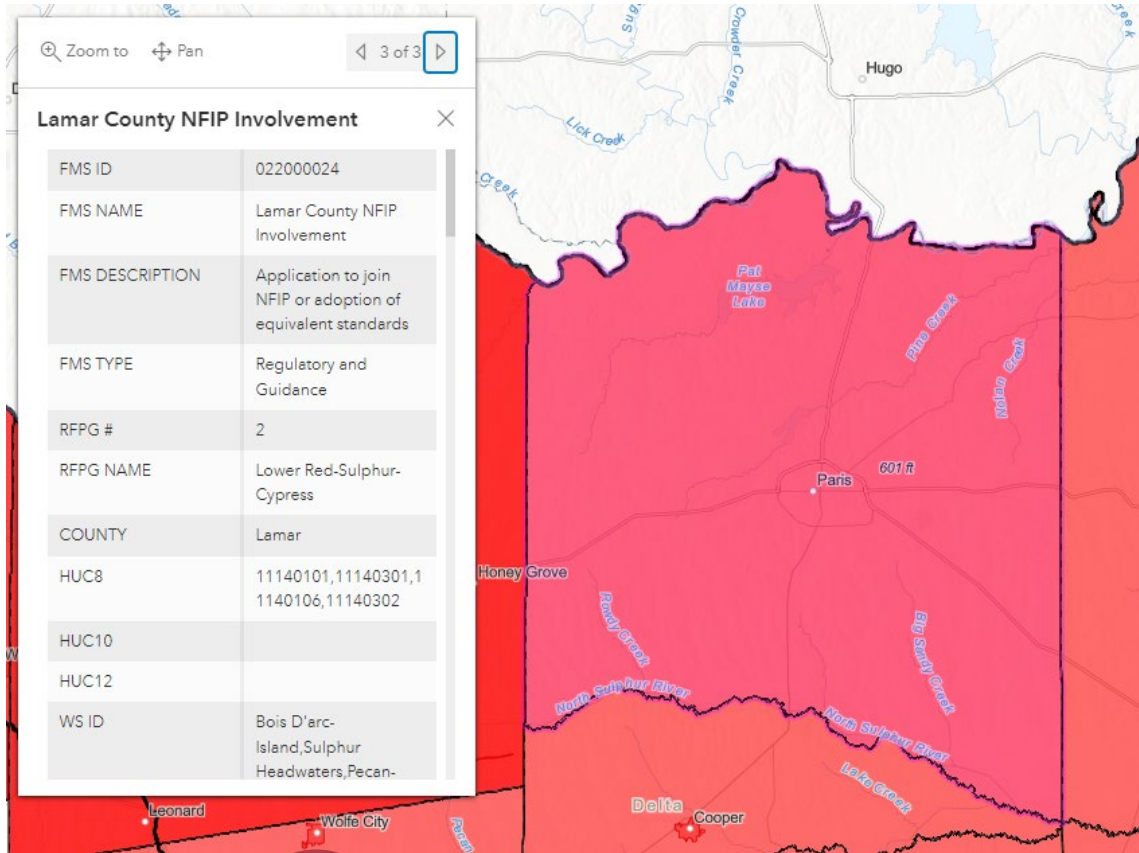
Flood Management Strategies (FMS)

Geographical Distribution & Categories

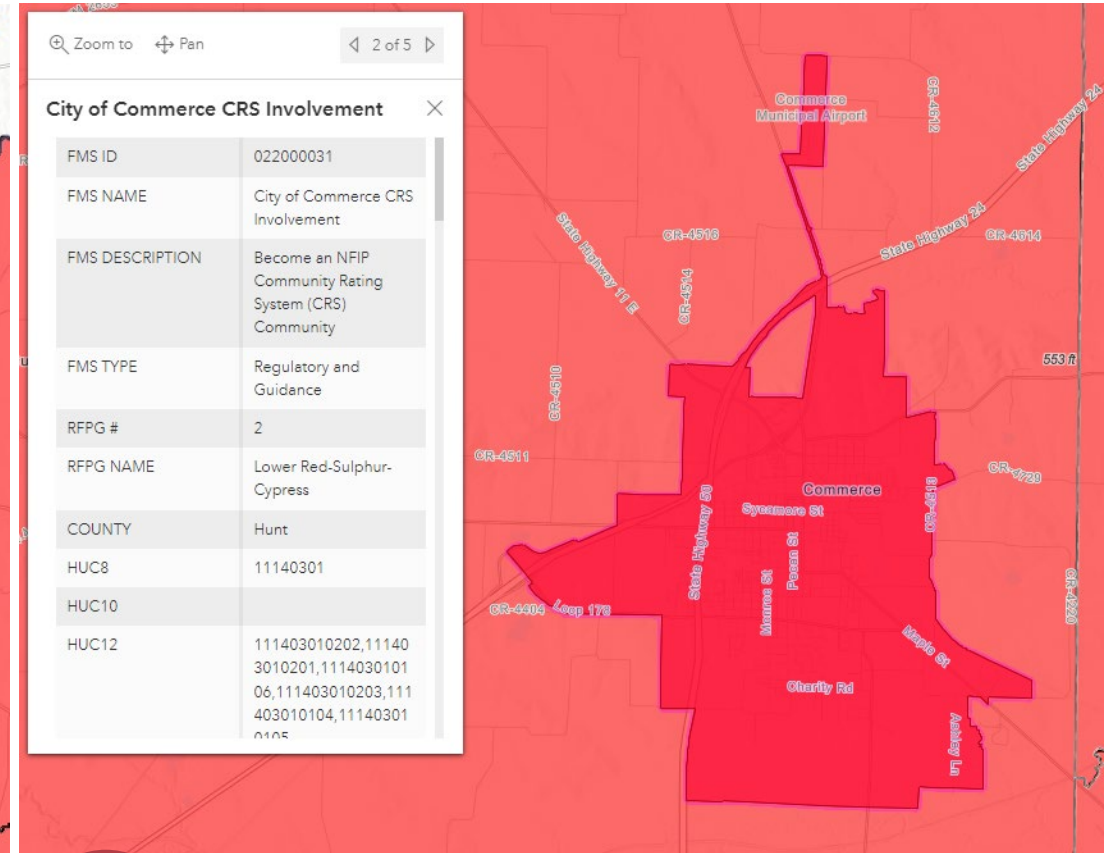


Flood Management Strategies (FMS)

Assessment Examples



Recommend



Recommend

Flood Management Strategies (FMS)

Assessment Examples


- RFPG is not required to recommend any FMS
- Known reasons to Not Recommend an FMS:
 - Negative/adverse impact identified
 - Impacts to water supply
 - Doesn't provide measurable reduction in flood impacts
- Additional RFPG reasons to Not Recommend an FMP
 - RFPG has not contacted potential Sponsor?
 - Entity is not willing to sponsor the FME?
 - Others?
- All identified FMSs for the Lower Red-Sulphur-Cypress Basin are potentially feasible and could be recommended.

 **Not Recommend**



Sub-Committee Guidance for FMS Recommendations

Action Items



7. General public comments

Limit 3 minutes per person



8. Announcements



9. Meeting date for next meeting



10. Agenda items for next meeting



11. Adjourn