

# Flood Management Task Force

May 19, 2023

# Welcome and Introductions

- ▶ Thanks for attending!
- ▶ Please introduce yourself in the chat box.
- ▶ Please mute your line.
- ▶ Unmute your line when you would like to speak.
  - ▶ We will also watch the [chat](#) box for questions

# Meeting Summary Approval

- ▶ The link to the [February meeting summary](#) is available in the chat.
- ▶ Please inform Jai-W Hayes-Jackson of any corrections or additions, at [jhayes-jackson@nctcog.org](mailto:jhayes-jackson@nctcog.org).

# Work Program Projects & Activities



# NFIP/CDC Model Consolidation and Extension Efforts

# FY2023 Trinity River Common Vision Work Program

## NFIP/CDC Model Consolidation and Extension Efforts

The USACE funded two ongoing studies related to CDC model consolidation.

1. Updating the newly georeferenced CDC model with future flows and approved but not yet constructed CDC project geometries from 2017 onward.
  - ▶ USACE and FEMA worked to update their respective models and will post consolidated NFIP/CDC model to the Trinity CDC website soon.
  - ▶ Culmination of a collaborative effort to generate a first-ever consolidated NFIP/CDC model.
  - ▶ Aligns with NFIP/CDC manual updates and shared for FMTF review & feedback.
2. Creating CDC future flows for the FEMA model on the East Fork Trinity and the Trinity Mainstem to extend the consolidated NFIP/CDC model.
  - ▶ Incorporated NCTCOG guidance on future land use data to inform hydrologic modeling. After developing flows, will complete hydraulic model for this area.
  - ▶ Anticipate sharing with FMTF for review in 2024.

Discuss any feedback on the draft consolidated NFIP-CDC model shared at February FMTF Meeting

- ▶ Vote to approve and post consolidated model to [www.TrinityRiverCDC.com](http://www.TrinityRiverCDC.com)

# FY2023 Trinity River Common Vision Work Program

## NFIP/CDC Model Consolidation and Extension Efforts

**Additional Details:** USACE and FEMA worked to update their respective models and shared this consolidated NFIP/CDC model for FMTF review. If approved, will post to the Trinity CDC website (<http://trinityrivercdc.com/get-model.php>).

- ▶ Includes a single consolidated HEC-RAS hydraulic model (.prj) with updated georeferenced NFIP and CDC geometries.
  - ▶ NFIP geometry notes are as follows:
    - ▶ Includes constructed CDC project geometries that have gone through the FEMA Letter of Map Change (LOMC) process.
    - ▶ Represents a FEMA preliminary model that that is NOT YET a regulatory/Effective model and as such is subject to change without notice.
    - ▶ The end user bears the responsibility for ensuring use of the most appropriate and current model.
    - ▶ Note that FEMA will require the submittal of the Effective model (with appropriate tie-ins) in addition to the preliminary model for any formal map change requests – until the preliminary model becomes effective.
    - ▶ Reflects current conditions flows and NOT future (2055) flows.

# FY2023 Trinity River Common Vision Work Program

## NFIP/CDC Model Consolidation and Extension Efforts

- ▶ CDC geometry notes are as follows:
  - ▶ Includes approved CDC project geometries (both constructed and not yet constructed) and future (2055) flows.
  - ▶ CDC projects approved since 2022 that are not currently reflected in this geometry will be included in future model updates.
- ▶ For the East Fork and Mainstem model extension, only the NFIP portion of the model is currently being shared.
- ▶ Additional guidance will be provided in the forthcoming 5<sup>th</sup> Edition of the CDC manual.

**Thank you to our partners for this collaborative effort to generate a first-ever consolidated NFIP/CDC model.**



# Contact

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Water Resources Branch

U.S. Army Corps of Engineers

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# CDC Manual Update to the 5th Edition

# FY2023 Trinity River Common Vision Work Program

## CDC Manual Update to the 5<sup>th</sup> Edition

- ▶ The NFIP-CDC Model Consolidation Team last meet on February 13, 2023 to finish work on the 5<sup>th</sup> edition update.
  - ▶ Completed final drafts of all sections and forms.
- ▶ NCTCOG and Team working to compile into a draft of entire manual document.
- ▶ Next Steps
  - ▶ Provide the complete revised manual to FMTF for review
  - ▶ Address any comments and finalize the updated manual
- ▶ The Team will meet as needed to discuss final draft of manual and comments received
- ▶ Final Goal to have revised CDC Manual completed at same time new consolidated NFIP-CDC Model is ready to be implemented.

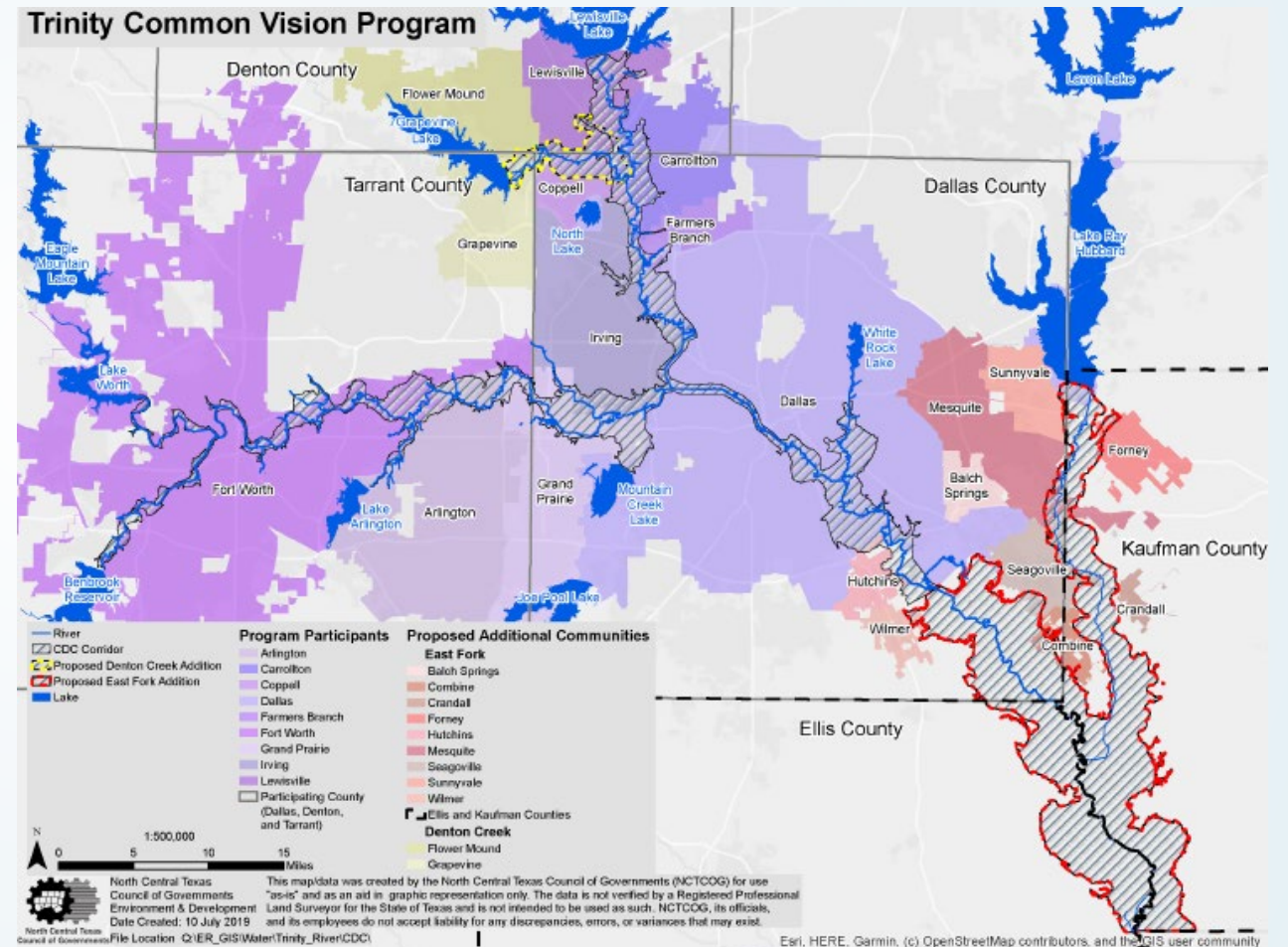
# East Fork/Denton Creek Update



# FY2023 Trinity River Common Vision Work Program

## East Fork/Denton Creek Update

- NCTCOG staff promoted the COMMON VISION Program at four subarea meetings in the TSI Study Area. Generated interested with Denton Creek communities
- Ellis County has expressed interest in joining the COMMON VISION Program
- NCTCOG and Dallas County will meet to discuss engaging communities to join the COMMON VISION Program



# OneRain Regional Flood Warning Software Program



# Regional Flood Early-Warning Software

[www.flooddatantx.com](http://www.flooddatantx.com)

North Texas Share

[https://northtexasshare.org/SHARE\\_partners/onerain-flood-management/](https://northtexasshare.org/SHARE_partners/onerain-flood-management/)



# Overview

Cooperative Contract of North Texas Share created in August 2018 with the NCTCOG Environment and Development Dept & member communities of the Flood Management Task Force.

- Communities can set pre-defined alerts
- Visualize gauge readings to better prepare for storms
- Allows any community to join regardless of system size
- Flexible tiers including ancillary services

Features:	
View sensor data	✓
Display & view alerts	✓
Create & modify station parameters	✓
View station health data	✓
Access to regional gauge data	✓
Send data to NWS	✓
Agency branded web site	✓
Configure to meet agency needs	✓



# Trinity River COMMON VISION Work Program Discussion

# FY2024 Trinity River Common Vision Draft Work Program Discussion

A link to the Draft FY24 Work Program is [here](#).

Continuation of existing Ongoing Support Activities and Technical Activities

- ▶ Ongoing Trinity River COMMON VISION Information and Task Force Committee Support
- ▶ Ongoing CDC Process and mapping support
- ▶ Continued FEMA's NFIP training courses
- ▶ Ongoing effort to explore partnership and outreach opportunities
- ▶ Continued exploration of regional cooperative detention/retention strategies
- ▶ Administrative Coordination for the OneRain
- ▶ Maintenance of the CDC Application and Tracking Website
- ▶ Participation in the Trinity Regional Flood Planning Group

# FY2024 Trinity River Common Vision Draft Work Program Discussion

Continuation of existing Ongoing Support Activities and Technical Activities

- ▶ Participation in the Model Consolidation Committee will continue into FY24
- ▶ Updating the CDC Manual to the 5<sup>th</sup> Edition will continue into FY24
- ▶ Continuing East Fork Trinity and Denton Creek Integration
- ▶ Additional program activities for FY24?
- ▶ No change anticipated in cost shares
- ▶ During the August meeting, the Flood Management Task Force will vote whether to recommend the Work Program for Steering Committee approval.

# FY2024 Trinity River Common Vision Draft Work Program Discussion

- ▶ A link to the Draft FY24 Work Program is [here](#).
- ▶ Continuation of existing Ongoing Support Activities and Technical Activities
  - ▶ Participation in the Model Consolidation Committee will continue into FY24
  - ▶ Updating the CDC Manual to the 5<sup>th</sup> Edition will continue into FY24
  - ▶ Continuing East Fork Trinity and Denton Creek Integration
- ▶ During the August meeting, the Flood Management Task Force will vote whether to recommend the Work Program for Steering Committee approval.



# FY2024 Trinity River Common Vision Current FMTF Roster

Arlington  
Carrollton  
Coppell  
Dallas  
Farmers Branch  
Fort Worth  
Grand Prairie  
Irving  
Lewisville  
Seagoville  
Dallas County  
Denton County  
Kaufman County  
Tarrant County  
Tarrant Regional Water District  
Trinity River Authority

Amy Cannon, Sidney Kelly  
Matthew Brennan, Jon Bunner  
Kumar Gali  
Kim Dewailly, Steve Parker, Tam Vu  
Marc Bentley  
Clair Davis, Lisa Biggs  
Ryan Harrell, Noreen Housewright  
Garry Fennell  
Jeff Kelly  
Mamata Bhandari  
Lissa Shepard, Noe Villarreal  
Stephen Belknap  
Garrett Moore  
Joseph Jackson  
Zach Huff, Rachel Ickert, Craig Ottman  
Glenn Clingenpeel, Webster Mangham

# Other Related Projects & Activities

# Other Program Related Efforts

## Trinity Reservoir Operations Study Pre-Brief

The USACE has secured funds to study Dam Operations Alternatives on the Trinity multi-purpose reservoirs.

- Referred to as Trinity Operations Study (TOS)
- TOS team is reaching out and receiving feedback from key partners in the Trinity Basin.
- Will establish an Advisory Group to make recommendations for technical study team.
- USACE Fort Worth District Water Management staff will provide a more comprehensive overview and update during the August FMTF meeting

# Other Program Related Efforts

## North Texas Floodplain Administrators/CRS Users Group

- ▶ Looking to host a 4-day CRS training course
- ▶ Combined CRS Users Group Meeting and Elected Officials Floodplain Seminar likely in October 2023
- ▶ For questions about the CRS Users Group, or to suggest future meeting topics, please contact Erin Blackman at [Eblackman@nctcog.org](mailto:Eblackman@nctcog.org) or (817) 608-2360
- ▶ Keep up with NCTCOG E&D meetings and events here:  
<https://nctcog.org/envir/events>



# Other Program Related Efforts

## Trinity River National Water Trail Task Force



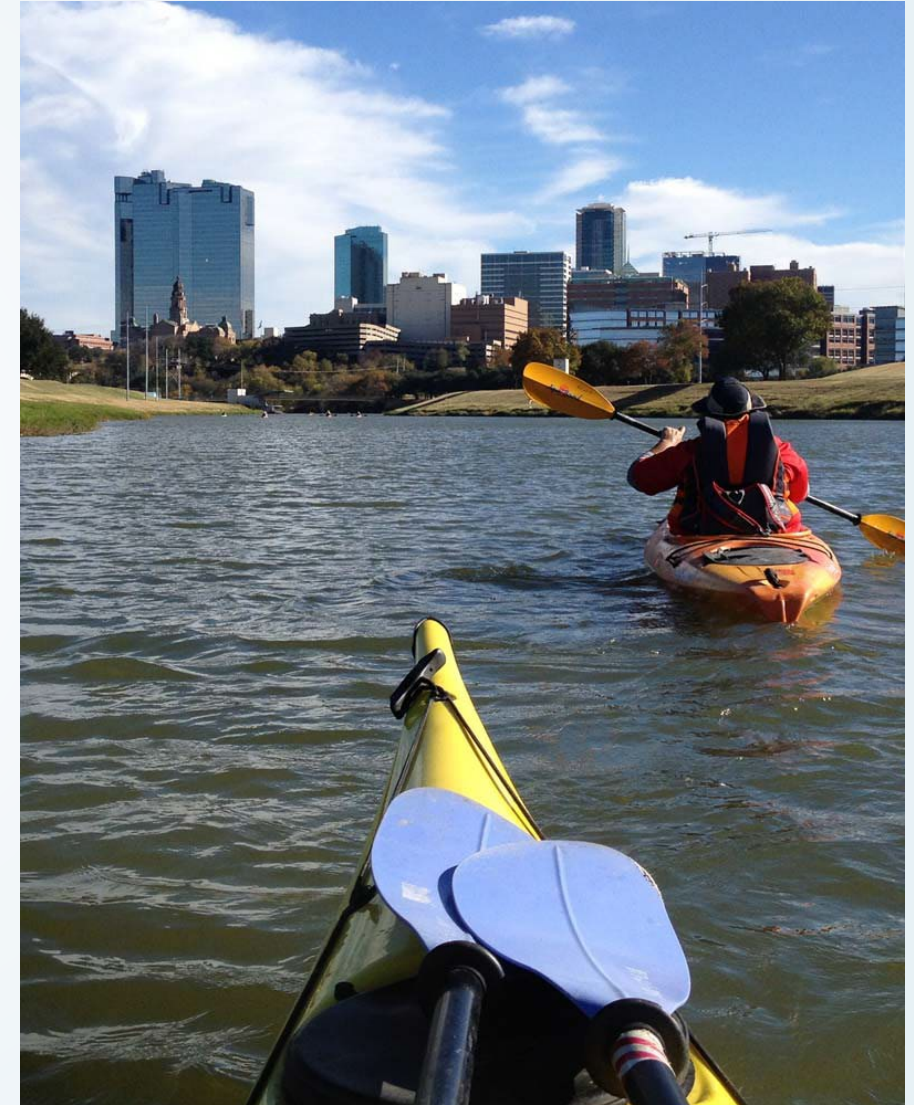
### The Task Force met on May 9, 2023.

- ▶ Paddling Trail Expansion – Dale Harris, Trinity Coalition
- ▶ Potential Lake Ray Hubbard Paddling Loop – Stephanie Higgins, Patriot Anglers Volunteer
- ▶ Economic and Quality of Life Benefits of Water Trails – Dave Holl, Kayak Store Owner
- ▶ Panther Island Paddle Sports – Teresa Patterson, Trinity Coalition
- ▶ Panther Island/Central City Flood Control Project – Matt Oliver, Tarrant Regional Water District

[View meeting materials here.](#)

### The next Task Force meeting is planned for August 25, 2023 at NCTCOG offices.

- ▶ For more information, please contact Erin Blackman at [Eblackman@nctcog.org](mailto:Eblackman@nctcog.org) or (817) 608-2360.



Task Force Website: <https://nctcog.org/envir/committees/trinity-river-national-water-trail-task-force>

# Other Program Related Efforts

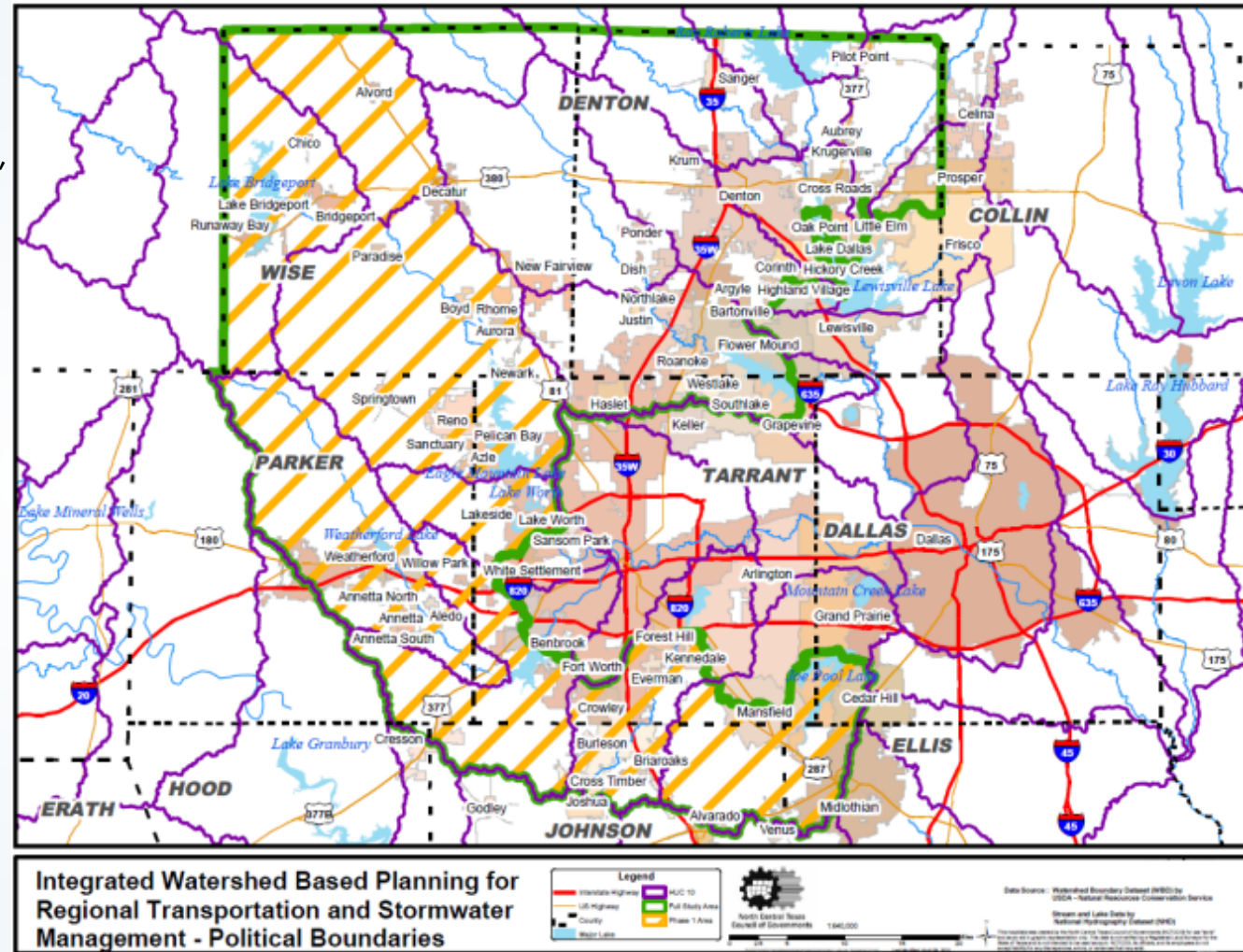
## Efforts Toward Integrated Transportation & Stormwater Planning

### What is the TSI project?

- Integration of regional stormwater management, urban development, transportation, and environmental planning: a collaborative effort with regional Transportation planners

### Project Updates

- Technical team is reviewing land use data and identifying pilot study area for modeling.
- Technical Advisory Group Meeting met March 6.
- Subarea community outreach meetings were held April and May 2023
- Finalizing literature review of local/regional/state stormwater design standards.
- Finalizing steering committee.



**Project Website:** <https://www.nctcog.org/envir/watershed-management/upper-trinity-river-transportation-and-stormwater>



# Other Program Related Efforts

## Cooperating Technical Partnership (CTP) Program

### FY20 Flood Risk Mapping Projects

- ▶ **Catherine Branch (Denton County) – 78% Complete**
  - Terrain has been completed, Draft TSDN underway

### FY21 Flood Risk Mapping Projects

- ▶ **Upper West Fork Discovery – 43% Complete**
  - Scheduling Discovery Finding Meeting for June 2023.
- ▶ **Hog Branch (Denton County) – 51% Complete**
  - Terrain data capture has begun; draft TSDN underway

### East Fork (Lowry Crossing and McKinney) – 36% Complete

- Terrain data capture has been finalized; draft TSDN underway



# Other Program Related Efforts

## integrated Stormwater Management (iSWM)

### Integrated Stormwater Management (iSWM) Subcommittee

- ▶ The iSWM program is currently focused on our FY23 Work Program Tasks, which are available [online](#).
- ▶ Upcoming project deliverables include:
  - ▶ iSWM Manual Revisions
  - ▶ SWPPP Training updates from 2023 Construction General Permit
  - ▶ iSWM Training and Outreach Presentations
- ▶ Next Meeting: July 12, 2023, at 1:30 pm via Microsoft Teams. More information available [online](#).



# Other Program Related Efforts

## integrated Stormwater Management (iSWM)

- ▶ EWRI LID Conference, August 2023, in Oklahoma City, OK
  - ▶ NCTCOG & Halff Associates, Inc. abstract on iSWM has been accepted for presentation
- ▶ StormCon, August 2023, in Dallas, TX
  - ▶ NCTCOG, Halff Associates, Inc., & City of Dallas have submitted an abstract to present on the iSWM Program
- ▶ For more information on iSWM, please contact Casey Cannon at (817) 608-2323 or [ccannon@nctcog.org](mailto:ccannon@nctcog.org).

# Corridor Development Certificate Applications

Progress Since Last FMTF Meeting (as of 5/17/23): Currently making updates to the website.

## New CDC Applications

- ▶ FW 041423-1
- ▶ FW 031623-1

## Technical Review Under Process

- ▶ FW 041423-1

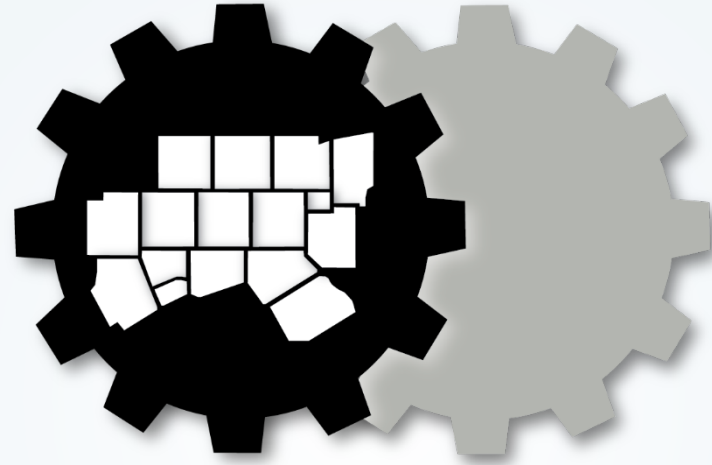
## Final Action Forms

- ▶ LEW 081522-1
- ▶ DAL 111020-1
- ▶ GP 061422-1
- ▶ GP 092922-1

## Exemptions

- ▶ ARL 092622-01
- ▶ FW 031623-1

During the Roundtable, please share any new CDC applications you anticipate being submitted soon.



# ROUNDTABLE

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# Upcoming Events and Opportunities

## **TMDL Coordination Committee Meeting**

Wednesday, June 14, 9:30 a.m. – 11:30 a.m. via Microsoft Teams

Shares information to help address bacteria impairments

<https://www.nctcog.org/envir/committees/bacteria-total-maximum-daily-load-program>

## **NCTCOG Environment & Development Programs Webinar**

Wednesday, June 21, 1:00 p.m. – 2:30 p.m. via Microsoft Teams

Initiatives that address flood risks and water quality challenges

<https://www.addevent.com/event/dr16816408>

## **Trinity River National Water Trail Master Plan Work Group**

Thursday, June 29, 1:00 p.m. – 2:30 p.m. at NCTCOG Offices

<https://www.nctcog.org/envir/committees/trinity-river-national-water-trail-task-force>



View upcoming NCTCOG events at [nctcog.org/envir/events](https://www.nctcog.org/envir/events)

# Next FMTF Meeting Date

**Friday, August 18, 2022**

9:30 a.m.

Meeting Format is TBD.

# Contact

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North Central Texas Council of Governments

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# Connect



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