

Flood Management Task Force

May 17, 2024

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

Agenda

1. Welcome and Introductions.
2. Meeting Summary.
3. FY 2024 Trinity River COMMON VISION Work Program Activities Discussion.
4. Other Program Related Efforts.
5. Roundtable Topics/Other Business.
6. Next Meeting.
7. Adjournment.

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.

Work Program Projects & Activities

NFIP/CDC Model Consolidation and Extension Efforts

FY2024 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 approved projects.
 - ▶ USACE and FEMA updated their models and posted consolidated NFIP-CDC model to the Trinity River CDC website.
 - ▶ Culmination of a collaborative effort to generate a first-ever consolidated NFIP/CDC model.
 - ▶ Aligns with NFIP-CDC manual updates and incorporates FMTF review and feedback.
 - ▶ Study is now complete and model maintenance is occurring.
 - ▶ To discuss latest changes with FMTF
 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.
 - ▶ Working to develop these future flows and then extend consolidated model.
 - ▶ USACE is still working toward a Sep 2024 completion, funding permitting.

CDC Manual Update to the 5th Edition

FY2024 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

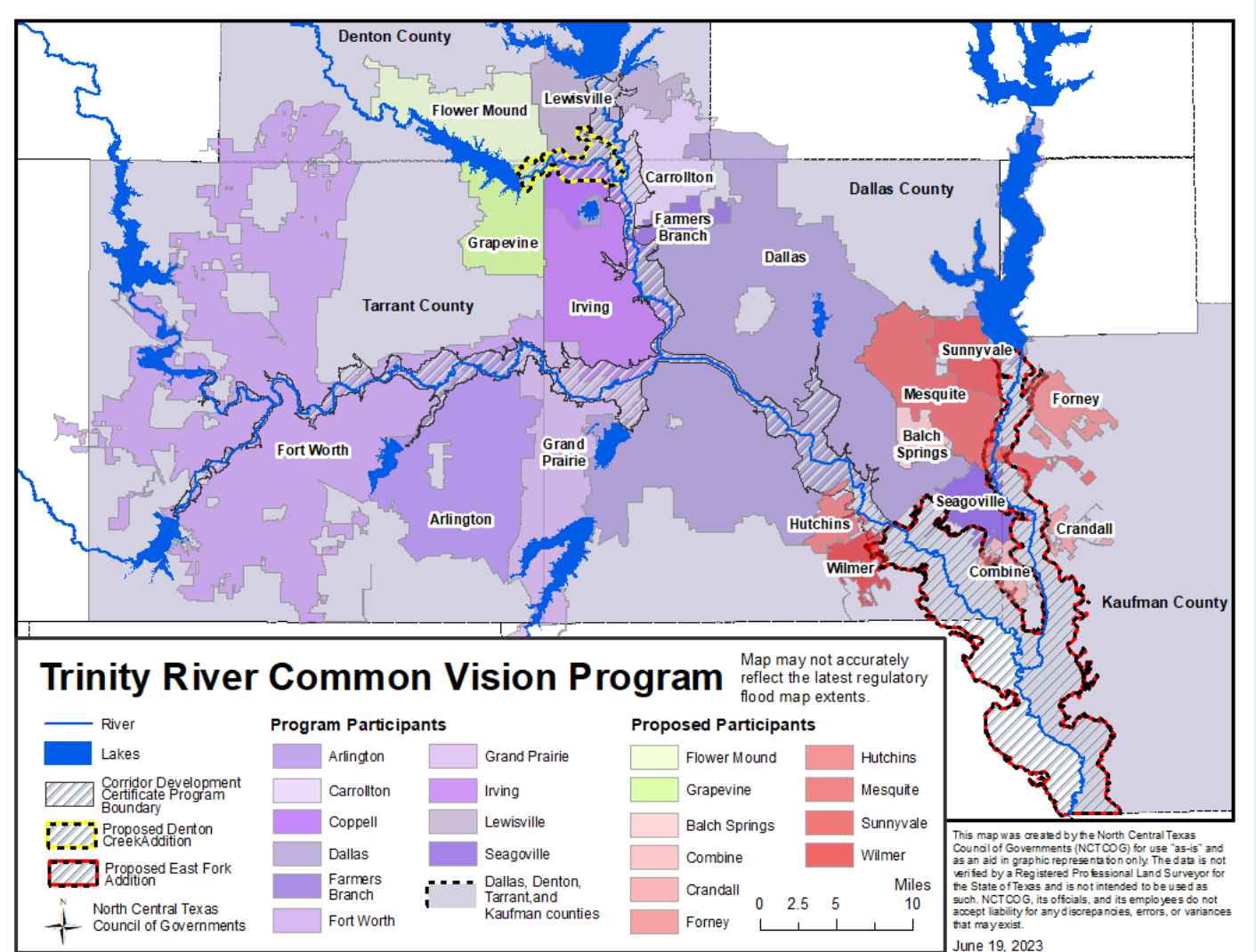
- ▶ NCTCOG and NFIP-CDC Model Consolidation Team working to compile into a draft of entire manual document.
- ▶ Next Steps
 - ▶ Provide the complete revised manual to FMTF for review
 - ▶ Address any comments and finalize the updated manual
- ▶ The Team will meet as needed to discuss final draft of manual and comments received
- ▶ Working to have revised CDC Manual completed before next FMTF meeting.

East Fork/Denton Creek Update

FY2024 Trinity River Common Vision Work Program

East Fork/Denton Creek Update

- The City of Mesquite approved the resolution January 16. Currently finalizing details
- TSI team developed scope of work to explore process for expanding CDC program and the consolidated NFIP-CDC model into TSI study footprint
- Plan of implementation
 - Solicit stakeholder interest and input
 - Complete pilot study to test model expansion considerations
 - Document findings and recommendations



Update on Flood Warning Systems.

FY2024 Trinity River Common Vision Work Program

Flood Warning Software System and Hardware Update

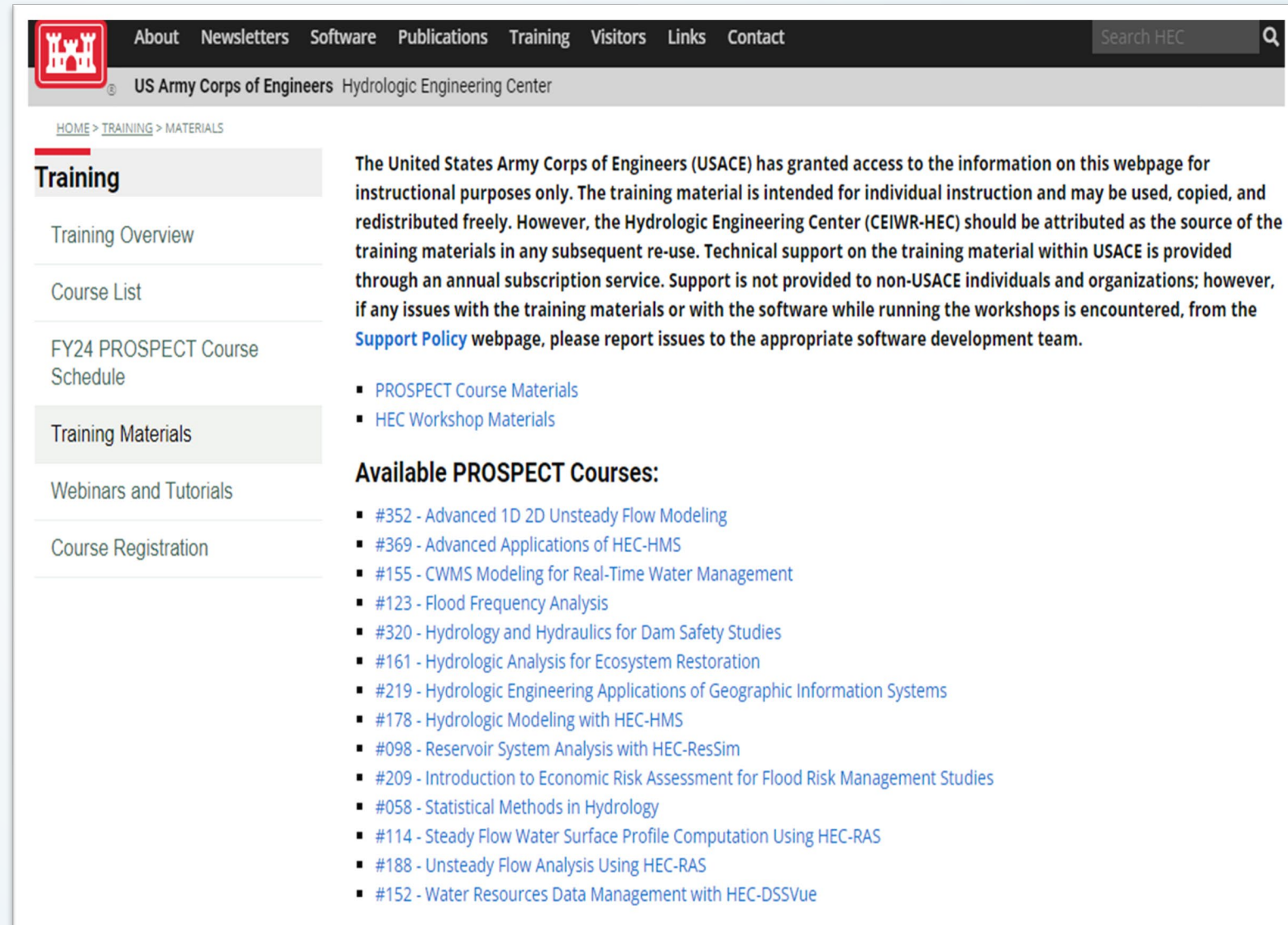
- ▶ NCTCOG has taken down access to this site to reevaluate fairness for other vendors
- ▶ Will update the website when all vendors have signed their [Master Service Agreements](#)



Hydrologic Education Center Trainings

Hydrologic Education Center Trainings

- **Purpose:** USACE's Hydrologic Engineering Center supports water resources management responsibilities with research, training, planning analysis, and technical assistance
 - Information on free self-guided flood science trainings that are currently available online:
 - <https://www.hec.usace.army.mil/training/materials.aspx>
 - Discuss FMTF desire for additional HEC or tailored training, including local & national offerings
 - <https://ulc.usace.army.mil/>



The screenshot shows the website for the US Army Corps of Engineers Hydrologic Engineering Center. The navigation bar includes links for About, Newsletters, Software, Publications, Training, Visitors, Links, and Contact. A search bar is located in the top right corner. The main content area is titled "Training" and includes a sidebar with links for Training Overview, Course List, FY24 PROSPECT Course Schedule, Training Materials, Webinars and Tutorials, and Course Registration. The main text area contains a disclaimer about the use of training materials and a list of available PROSPECT courses.

US Army Corps of Engineers Hydrologic Engineering Center

HOME > TRAINING > MATERIALS

Training

- Training Overview
- Course List
- FY24 PROSPECT Course Schedule
- Training Materials**
- Webinars and Tutorials
- Course Registration

The United States Army Corps of Engineers (USACE) has granted access to the information on this webpage for instructional purposes only. The training material is intended for individual instruction and may be used, copied, and redistributed freely. However, the Hydrologic Engineering Center (CEIWR-HEC) should be attributed as the source of the training materials in any subsequent re-use. Technical support on the training material within USACE is provided through an annual subscription service. Support is not provided to non-USACE individuals and organizations; however, if any issues with the training materials or with the software while running the workshops is encountered, from the [Support Policy](#) webpage, please report issues to the appropriate software development team.

- [PROSPECT Course Materials](#)
- [HEC Workshop Materials](#)

Available PROSPECT Courses:

- #352 - Advanced 1D 2D Unsteady Flow Modeling
- #369 - Advanced Applications of HEC-HMS
- #155 - CWMS Modeling for Real-Time Water Management
- #123 - Flood Frequency Analysis
- #320 - Hydrology and Hydraulics for Dam Safety Studies
- #161 - Hydrologic Analysis for Ecosystem Restoration
- #219 - Hydrologic Engineering Applications of Geographic Information Systems
- #178 - Hydrologic Modeling with HEC-HMS
- #098 - Reservoir System Analysis with HEC-ResSim
- #209 - Introduction to Economic Risk Assessment for Flood Risk Management Studies
- #058 - Statistical Methods in Hydrology
- #114 - Steady Flow Water Surface Profile Computation Using HEC-RAS
- #188 - Unsteady Flow Analysis Using HEC-RAS
- #152 - Water Resources Data Management with HEC-DSSVue

Contact

Matt Lepinski, P.E.

Lead Hydraulic Engineer

Water Resources Branch

U.S. Army Corps of Engineers

Matthew.T.Lepinski@usace.army.mil

817.886.1683

Trinity River COMMON VISION Work Program Discussion

FY2025 Trinity River Common Vision Draft Work Program Discussion

A link to the Draft FY25 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 sponsorship of FEMA's NFIP training courses.
- ▶ Ongoing effort to explore partnership and outreach opportunities
- ▶ Continued exploration of regional cooperative detention/retention strategies
- ▶ Administrative Coordination for Regional Flood Warning Software Program
- ▶ Maintenance of the CDC Application and Tracking Website
- ▶ Participation in the Trinity Regional Flood Planning Group

FY2025 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 FY25
 - ▶ Updating the CDC Manual to the 5th Edition will continue into FY25
 - ▶ Continuing East Fork Trinity and Denton Creek Integration
 - ▶ Update Communities' Acreage in Floodplain (FIRM).
- ▶ 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.

FY2025 Trinity River Common Vision Draft Work Program Discussion

- ▶ A link to the Draft FY25 Work Program is [here](#).
- ▶ Additional program activities for FY25
 - ▶ Coordination for Flood Science Training
 - ▶ Draft a Legislative Agenda for a Work Program for Steering Committee Support
 - ▶ Migrate the Trinity River CDC Website (www.trinityrivercdc.com) to the NCTCOG webpage

FY2025 Trinity River Common Vision Draft Work Program Discussion

D. Coordination for Flood Science Training. NCTCOG will continue to offer relevant training to our region's floodplain professionals. NCTCOG is exploring opportunities to partner with the USACE to offer training regarding flood science. The USACE's Hydrologic Engineering Center supports water resources management responsibilities with research, training, planning analysis, and technical assistance. NCTCOG will work with the USACE to negotiate a contract to offer training that includes but is not limited to 1D/2D modeling, HEC-RAS, HEC-HMS, and other flood science-related topics.

FY2025 Trinity River Common Vision Draft Work Program Discussion

J. Draft a Legislative Agenda for a Work Program for Steering Committee Support. NCTCOG staff will draft an agenda to support policies that address challenges in floodplain management while aligning with the COMMON VISION Program's core values and mission. NCTCOG staff This will conduct comprehensive research to identify key areas requiring legislative action. Additionally, NCTCOG will engage stakeholders, including the Flood Management Task Force, elected officials, and other subject matter experts to build consensus around proposed policies.

FY2025 Trinity River Common Vision Draft Work Program Discussion

E. Migrate the Trinity River CDC Website (www.trinityrivercdc.com) to the NCTCOG webpage. NCTCOG is consolidating stand-alone websites back into the NCTCOG-owned domain and working on migrating the Trinity CDC website and built-in features as soon as possible to not lose service. NCTCOG staff will consult with the Flood Management Task Force to make sure that necessary capabilities are maintained, and any needed updates are taken into consideration.



FY2025 Trinity River Common Vision Current FMTF Roster

City of Arlington	Amy Cannon, Lee Jeffrey
City of Carrollton	Matthew Brennan
City of Coppell	Cole Baker
City of Dallas	Tam Vu
City of Farmers Branch	Ryan Sartor
City of Fort Worth	Lisa Biggs
City of Grand Prairie	Ryan Harrell
City of Irving	Garry Fennell
City of Lewisville	Jeff Kelly
City of Seagoville	Mamata Bhandari
Dallas County	Lissa Shepard, Noe Villarreal
Denton County	Stephen Belknap
Kaufman County	Garrett Moore
Tarrant County	Joseph Jackson
Tarrant Regional Water District	Zach Huff, Rachel Ickert, Craig Ottman
Trinity River Authority	Glenn Clingenpeel, Webster Mangham

FY2025 Trinity River Common Vision Current Steering Committee Roster

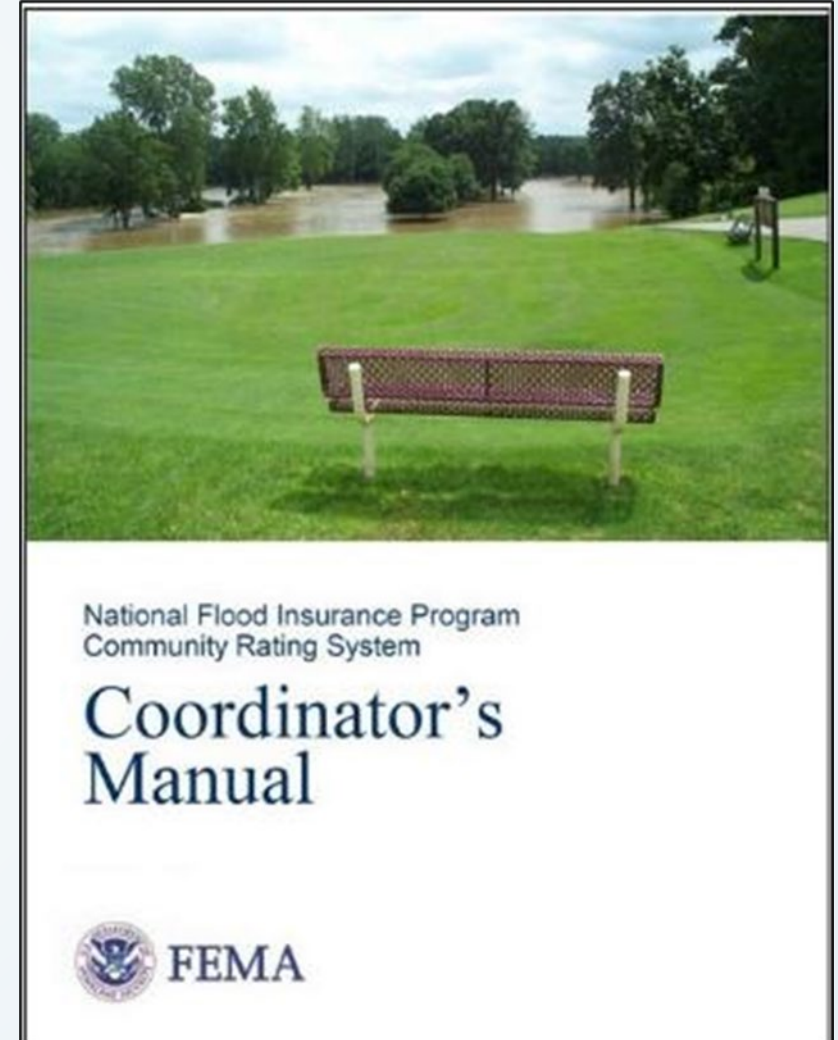
City of Arlington	Jim Ross, Mayor
City of Carrollton	Steve Babick, Mayor
City of Coppell	Wes Mays, Mayor
City of Dallas	Cara Mendelsohn, Councilmember
City of Farmers Branch	Terry Lynne, Mayor
City of Fort Worth	Dr. Jared Williams, Councilmember
City of Grand Prairie	Jorja Clemson, Councilmember
City of Irving	Rick Stopfer, Mayor
City of Lewisville	TJ Gilmore, Mayor
City of Seagoville	Lackey Sebastian, Mayor
Dallas County	John Wiley Price, County Commissioner
Denton County	Bobbie Mitchell, County Commissioner
Kaufman County	Tommy Moore, County Commissioner
Tarrant County	Tim O'Hare, County Judge
Tarrant Regional Water District	Mary Kelleher, Board Member
Trinity River Authority	Edward Cary Williams III, Board Member

Other Related Projects & Activities

Other Program Related Efforts

North Texas Floodplain Administrators/CRS Users Group

- ▶ NCTCOG is considering combining the COMMON VISION Steering Committee and the Elected Officials Floodplain Seminar/CRS Users Group Meeting.
 - ▶ Assist with elected official attendance.
 - ▶ Promote COMMON VISION and the CDC Program to new communities
 - ▶ Expand the CDC to interested communities
- ▶ For questions about the CRS Users Group, or to suggest future meeting topics, please contact Erin Blackman at Eblackman@nctcog.org or (817) 608-2360



Other Program Related Efforts

Trinity River National Water Trail Task Force



The next Task Force meeting is planned for August 13, 2024 via Microsoft Teams.

- ▶ For more information, please contact Erin Blackman at 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

- 2 Rounds of meetings with stakeholders in the study area
- 3 Technical Advisory Group meetings
- 2 Steering Committee meeting
- 15 Communities have provided GIS and non-GIS data
- 2 Workshops conducted
 - Beginning planning for 2 additional workshops
- 2 Visits to observe challenges faced by small but developing cities
- 2 meetings with ULI's Mini-TAP Program
- SME for Transportation has kicked off work
- Equity Engagement Plan written for North Study Area (FEMA)
- Literature review has been completed and is under review
- Site visits and windshield tours
- Water rights and green stormwater infrastructure webinar
- Developer advisory group

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



Other Program Related Efforts

Cooperating Technical Partnership (CTP) Program

East Fork (Lowry Crossing and McKinney)

Activities	Start Date	Expected End Date	% Complete
Terrain Data Capture	2/2022	6/2022	99%
Field Surveys	7/2022	11/2022	98%
Hydrologic Data	8/2022	9/2023	99%
Hydraulic Data	8/2022	9/2023	99%
Floodplain Mapping	2/2023	1/2024	26%
Flood Risk Review Meeting	7/2023	4/2024	99%
Flood Resilience Meeting	3/2024	7/2024	0%
Flood Risk Products	1/2024	6/2024	0%
Total Project Percent Complete			72%

Hog Branch (Denton County)

Activities	Start Date	Expected End Date	% Complete
Terrain Data Capture	4/2022	5/2022	97%
Field Surveys	5/2022	8/2023	96%
Hydrologic Data	8/2022	9/2023	99%
Hydraulic Data	8/2022	9/2023	99%
Floodplain Mapping	7/2023	1/2024	88%
Flood Risk Review Meeting	1/2024	5/2024	99%
Flood Resilience Meeting	3/2024	7/2024	0%
Flood Risk Products	1/2024	6/2024	1%
Total Project Percent Complete			88%

FY2024 Public Works Work Program Update

iSWM Subcommittee

- **Next iSWM Meeting: July 24, 2024**
 - 1:30 pm, in-person at NCTCOG Offices
 - Agenda items include task selection for FY25 Work Program
- **Upcoming Events**
 - iSWM Training on Development Submittal & Review
 - iSWM Community Workshop
- **Upcoming Deliverables**
 - iSWM Presentation at TSPE Preston Trail Chapter – June 20, 2024
 - Research on Cumulative Impacts of Small Footprint Developments
 - Memorandum on feedback from Development Training



Corridor Development Certificate Applications

Progress Since Last FMTF Meeting (as of 8/17/23): Currently making updates to the website.

New CDC Applications

➔ FW032024-1

Final Action Forms

➔ N/A

Technical Review Under Process

➔ N/A

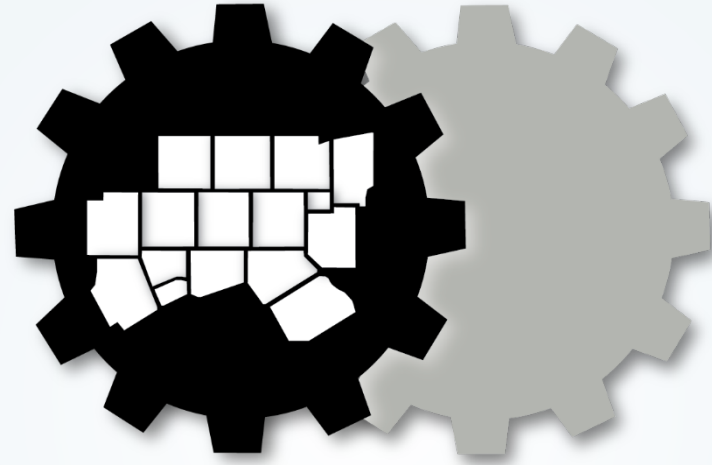
Exemptions

➔ GP-12062023-1

➔ FW032624-1

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

Other Business and Roundtable Discussion



ROUNDTABLE

Update on State Flood Planning Process

Draft 2024 State Flood Plan posted for public comment:

https://www.twdb.texas.gov/flood/planning/sfp/doc/Draft%202024%20State%20Flood%20Plan_Volume%20I.pdf

Public Meeting scheduled for 10 a.m. May 30

Comment period ends June 17

In person: Austin at the Stephen F. Austin Building, 1700 North Congress Avenue, Room 170 in Austin

Virtual: [GoToWebinar](#)

Stakeholder Comments: [online form](#)

Questions: statefloodplan@twdb.texas.gov



Next FMTF Meeting

August 17, 2024

9:30 AM

Via

Microsoft Teams

Steering Committee Meeting

TBD

Contact

Jai-W Hayes-Jackson

Environment & Development Planner
North Central Texas Council of Governments

jhayes-jackson@nctcog.org

817.695.9212

Kate Zielke

Environment & Development Program Supervisor
North Central Texas Council of Governments

kzielke@nctcog.org

817.695.9227

Connect



Facebook.com/nctcogenv



@nctcogenv



nctcogenv



youtube.com/user/nctcoged



EandD@nctcog.org



nctcog.org/envir