

Flood Management Task Force

February 25, 2022



North Central Texas
Council of Governments
Environment & Development

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 during question and discussion time.
 - We will also watch the chat box for questions

Meeting Summary Approval

- The link to the [November meeting summary](#) is available in the chat.
- Please inform Breanne Johnson of any corrections or additions, at bjohnson@nctcog.org.

FY2022 Trinity River Common Vision Work Program

NFIP/CDC Model Consolidation Team

- ▶ The USACE funded two ongoing studies related to CDC model consolidation.
 - ▶ Updating the newly georeferenced CDC model with approved but not yet constructed CDC project geometries from 2017 onward and future flows.
 - ▶ Draft model is being reviewed and finalized.
 - ▶ Anticipate sharing draft model for FMTF review and feedback soon.
 - ▶ Study report is being developed and will be published when model is finalized.
 - ▶ Creating the CDC future flows for the FEMA detailed study on the East Fork Trinity and the Trinity mainstem to extend the consolidated model.
 - ▶ Currently discussing appropriate/agreed upon future land use data to inform subsequent hydraulic modeling
 - ▶ Anticipate sharing with FMTF for review in late 2022/early 2023.
- ▶ The USACE set aside \$485,000 from the Floodplain Management Services (FPMS) fund to complete these scopes. Internal coordination at the USACE is occurring and additional data and information will continue to be shared with FMTF members.

FY2022 Trinity River Common Vision Work Program

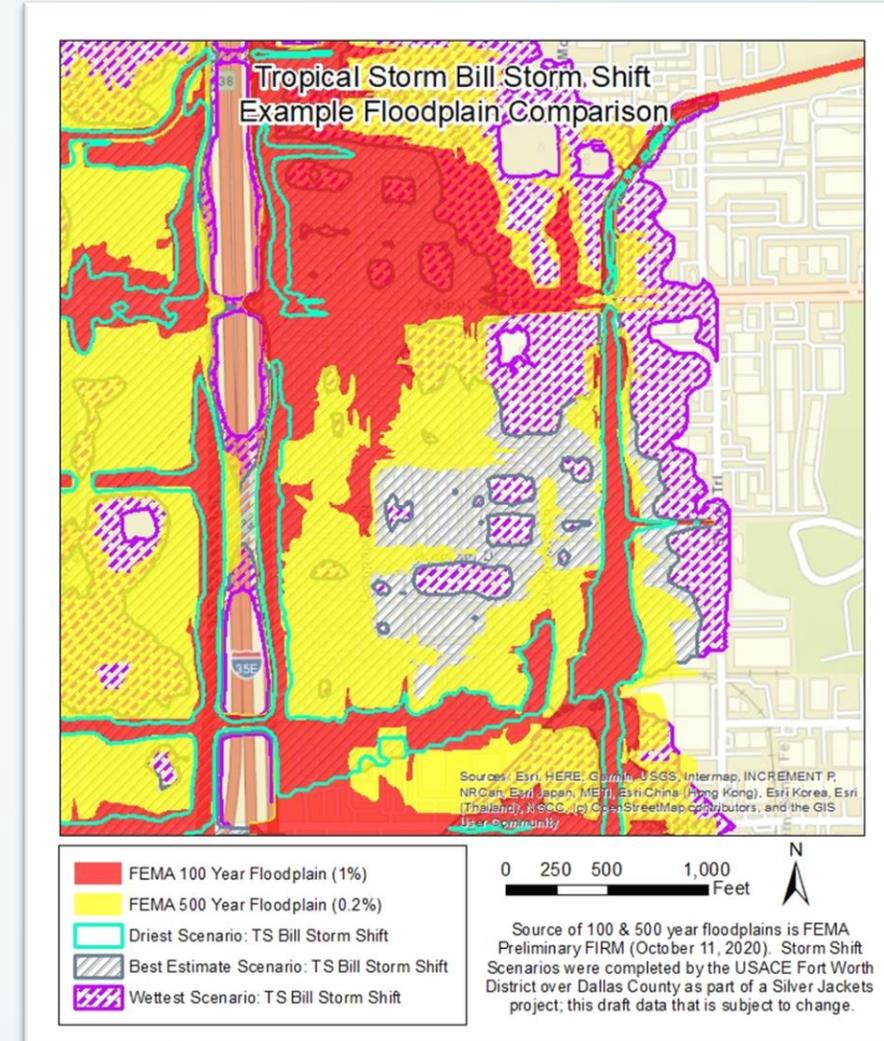
Upper Trinity Storm Shift Silver Jackets Study Update

► Summary:

- \$100K Silver Jackets Project to shift storms that have occurred in/around North Texas and demonstrate their resulting floodplains and impacts if they had occurred in Dallas County
- Silver Jackets application identified NCTCOG, FEMA Region 6, Dallas County, and Texas General Land Office as partners & coordinating with additional stakeholders and partners
- Partnership and community collaboration is essential
 - Met most recently with project partners on January 20, 2022

► Future:

- Currently finalizing data and preparing to share for FMTF review
 - Plan to host data on NCTCOG website
 - Discuss and demo scenarios and data
- Texas Storm Study: USACE effort that will provide a list of storms (based on region) that can be used in storm shifting and to inform other projects
- Potential integration with planning & visualization tools such as CHARM (Community Health And Resource Management)
- To complete additional storm shifting studies (San Marcos), continue coordination, integrate with hydrology studies, and possible InFRM product
- Transportation and Stormwater Integration (TSI) project



Contact

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FY2021 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- The NFIP-CDC Model Consolidation Team had meetings on January 7th and February 18th to continue work on the 5th edition update.
 - Previously provided drafts of the following sections: Section 3: The CDC Process, Section 1: Introduction and Section 2: CDC Regulation & Criteria.
 - Currently finishing up forms (Application, Final Action, Extension and Verification) and Section 4: CDC Submittal Requirements
 - Started review and revisions of the Appendices and FAQs
- The Team will meet next on March 25th to finish review of Section 4, forms, and Appendices
- Upcoming meetings will discuss final draft of manual and additional documents (FAQs)
- Updates will be brought to the FMTF throughout the process and your feedback will be requested.



FY2021 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

Current Manual

Appendices

Appendix A Map Set

Appendix B Hydrologic and Hydraulic Baseline Information

Appendix C Background Documentation

Appendix D Sample Letter

Appendix E Points of Contact

Revised Manual

Appendices

Appendix A CDC Forms

Appendix B CDC Modeling Information

Appendix C Sample Letters

Appendix D Background Documentation

Appendix E Contact Information



FY2021 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- ▶ Main Updates and Revisions included in the new manual
 - ▶ Updating the CDC Process to include the NFIP-CDC Consolidated Model.
 - ▶ Inclusion of new Trinity River CDC website
 - ▶ CDC will be valid for two years instead of current five years and one year extensions given instead of three years
 - ▶ CDC Cost Recovery Fee renamed to CDC Application Fee
 - ▶ Addition of Model Maintenance Fee and CDC Verification Form following completion of project



FY2021 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

➤ Next Steps

- Team will complete section and form revisions by April
- Compile all revisions into a draft of entire manual document
- Provide completed draft of manual to FMTF before next quarterly meeting
- Address any comments and finalize the updated manual

➤ Additional News

- Team will have a presentation at the ASFPM conference in May called “Continuing to Work Together to Simplify Permitting in the Trinity River Corridor” to provide updates since the 2020 presentation
- If you are attending ASFPM come join us in Concurrent Session J1 on Thursday, May 19th from 4 – 5:30 pm



NORTH TEXAS SHARE AGREEMENT
SUE SWENOR, REGIONAL SALES MANAGER
FRIDAY, 25 FEBRUARY 2022

Cooperative Contract



Cooperative Contract

- Created in August 2018
- Communities can Set Pre-Defined Alerts
- Visualize Gauge Readings to Better Prepare for Storm Events
- Allows any Community to Join Regardless of System Size
- Flexible Tiers (including Ancillary services)



Participating Communities

- City of Arlington
- City of McKinney
- City of Frisco
- Tarrant Regional Water District
- Dallas County Utility & Reclamation Dept
- City of Grand Prairie
- Town of Highland Park
- City of Fort Worth (pending)



https://northtexasshare.org/SHARE_partners/onerain-flood-management/

Tiers

- Entry
- Intermediate
- Dedicated - Advanced 1 & 2
- Mission Critical – Redundancy & High Redundancy
- Ancillary Services
 - Client Set-up & Configuration
 - Training
 - Optional Tech Services



Sue Swenor

Email: Sue.Swenor@AEM.eco

Mobile: 512-931-9530

For more information, let's talk at:
info@aem.eco

aem.eco

OneRain Flood Early Warning Software in Action



www.trwd.com/protecting-fort-worth-from-floods/

FY2022 Trinity River Common Vision Current FMTF Roster

➤ Current FY2022 Flood Management Task Force Participating Members – to be verified

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

Jon Bunner

Kumar Gali

Steve Parker, Kim Dewailly, Tam Vu

Marc Bentley

Clair Davis, Lisa Biggs

Ryan Harrell, Noreen Housewright

Garry Fennell

Jeff Kelly

James Stephens

Lissa Shepard

James Gossie

Garrett Moore, Kelley Chastain

Joseph Jackson

Craig Ottman, Rachel Ickert

Glenn Clingenpeel

FY2022 Trinity River Common Vision Cost Share Discussion

Existing Cost Shares

COST SHARES FOR CURRENT COMMON VISION PARTICIPANTS		
Participant	Acres in Floodplain (FIRM)	Cost Share
Arlington	3,351	\$3,868.52
Carrollton	5,941	\$6,858.51
Coppell	1,490	\$1,720.11
Dallas	25,787	\$29,769.45
Farmers Branch	1,472	\$1,699.33
Fort Worth	16,261	\$18,772.29
Grand Prairie	8,498	\$9,810.40
Irving	7,757	\$8,954.96
Lewisville	3,072	\$3,546.43
Seagoville (<i>East Fork addition</i>)	2,776	\$3,192.00
Dallas County*		\$10,000.00
Tarrant County*		\$5,000.00
Kaufman County* (<i>East Fork addition</i>)		\$10,000.00 (as of FY23)
TRWD*		\$5,000.00
Subtotal Current Program		\$118,192.00

*“TRADITIONAL METHOD”
Approved by the
Trinity River Steering
Committee on July 19,
2001*

Area based on SPF 1995
Baseline to City Limits of
Dallas Analysis

\$25,000 of total is
provided to the USACE for
technical support services

FY2022 Trinity River Common Vision Cost Share Discussion

Cost Shares Received as of February 18, 2022

Arlington	Lewisville
Coppell	Seagoville
Fort Worth	Tarrant Regional Water District
Irving	

Committed Total:

**\$47,554 of
\$108,192**

Percent of Budget Received:

44%



Trinity Common Vision Program FY23 Proposed Cost Share Increase Scenarios

DRAFT

	Original Amount from 2001 - 2021	50%* Increase + New Contributions
Arlington	\$3,868.52	\$5,802.78
Carrollton	\$6,858.51	\$10,287.77
Coppell	\$1,720.11	\$2,580.17
Dallas	\$29,769.45	\$44,654.18
Farmers Branch	\$1,699.33	\$2,549.00
Fort Worth	\$18,772.29	\$28,158.44
Grand Prairie	\$9,810.40	\$14,715.60
Irving	\$8,954.96	\$13,432.44
Lewisville	\$3,546.43	\$5,319.65
Dallas County	\$5,000.00	\$10,000.00
Tarrant County	\$5,000.00	\$7,500.00
TRWD	\$5,000.00	\$7,500.00
Denton County		??
TRA		??

Total Program	\$100,000.00	\$152,500.00
Less USACE Contribution	\$25,000.00	\$25,000.00
Total NCTCOG	\$75,000.00	\$127,500.00

*<https://www.officialdata.org/us/inflation/2001?amount=1> --> Cumulative inflation from 2001 to 2021 was 52.00

Other Program Related Efforts

Efforts Toward Integrated Transportation & Stormwater Planning

➤ What is the TSI project?

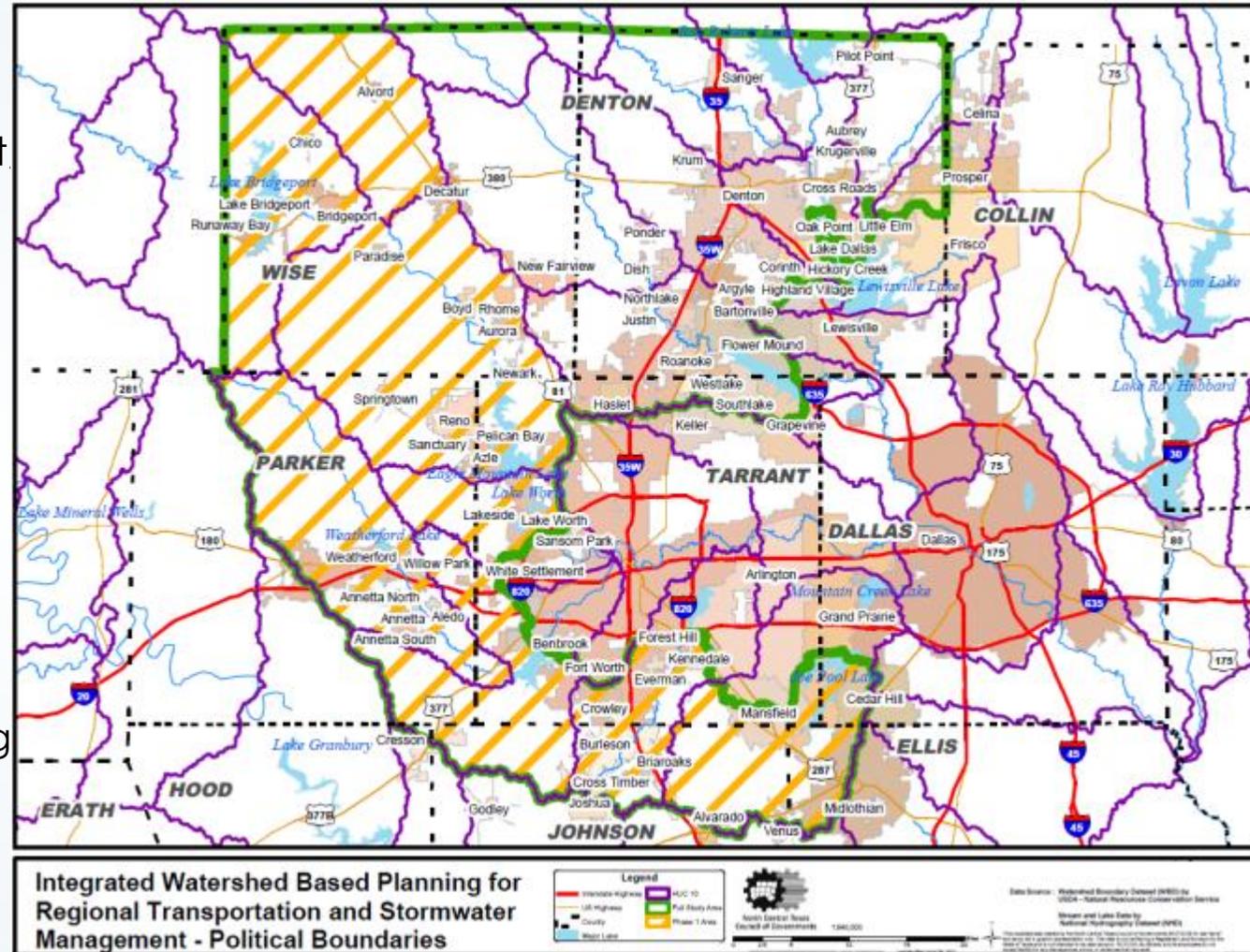
- Integration of regional stormwater management, urban development, transportation, and environmental planning: a collaborative effort with regional Transportation planners
- Proactive Prevention vs. Response

➤ Project Kickoff (Fall)

- Initial community survey completed
- Funding has been secured
- Project lead and partner organization meetings ongoing to discuss contracting
- NCTCOG is preparing CHARM for use in planning and engagement activities

Project Website:

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



Phase One Project Area hatched in yellow - TWDB Commitment No. G1001314, North Central Texas COG Grant Agreement coverage area (remaining balance of Full Study Area to be undertaken with alternate funding sources/TxGLO provided to USACE)

Other Program Related Efforts

North Texas Floodplain Administrators/CRS Users Group

The next CRS Users Group meeting will be held virtually via Microsoft Teams on **March 22nd at 2:00 pm.**

- [Add to Outlook Calendar](#)
- For questions about CRS Users Group, or to suggest future meeting topics, please contact Olivia Kale at Okale@nctcog.org or 817-695-9213.

Keep up with NCTCOG E&D meetings and events here:

<https://nctcog.org/envir/events>

Other Program Related Efforts

Cooperative Technical Partnership (CTP) Program

► FY19 Flood Risk Projects

- **Harriet Creek (Denton County, 7 miles)** – Survey is ongoing; hydrologic and hydraulic analysis and mapping are underway. **54% Complete**
- **Waxahachie Creek (Ellis County, Midlothian, Waxahachie; 19 miles)** - Survey and hydrologic and hydraulic analyses complete; mapping is underway. **67% Complete**

► FY20 Flood Risk and Outreach Projects

- **Catherine Branch (Denton County)** – Survey complete and hydrologic and hydraulic analyses underway. **40% Complete**
- *In Progress:* Transportation and Stormwater Integrated Project Engagement – Outreach materials under development; community CHARM workshop to be held summer 2022.

► FY21 Flood Risk Projects

- NCTCOG was awarded FY21 CTP grants for five projects including: Program Management; Hog Branch (Denton County); East Fork (Lowery Crossing and McKinney); Upper West Fork Discovery; COMS Project (CHARM Outreach Workshops)

Other Program Related Efforts

integrated Stormwater Management (iSWM)

Integrated Stormwater Management (iSWM) Subcommittee

- Task Order 6 Update: The iSWM Subcommittee approved the following work scope for Task Order #6 :
 - Task 2 – Reorganize/Re-evaluate Site Development Controls ([documents available](#))
 - Task 3 – BMP Design and Maintenance Training ([completed](#))
 - Task 4 – Technical Manual Updates (ongoing)
 - Task 5 – Guidance on Forebay Design (ongoing)
 - Task 6 – Hydrologic Mimicry Research (ongoing)
 - Task 7 – Technical Assistance for Case Studies – on hold for Outcome 17 assistance
 - Task 8 – Economic Benefits of iSWM Research ([documents available](#))
- The subcommittee discussed Outcome 17 (Water Quality) on the iSWM Tiered Implementation Form and created a volunteer group to review new language to clarify the documentation. The volunteer group met and requested that Halff Associates, as the consultant, come up with some language for the group to review. The proposed language will be reviewed by the volunteer group prior to bringing it forward to the subcommittee at their March meeting.
- Next Meeting: **March 30, 2022 at 1:30 p.m.**



Other Program Related Efforts

Trinity River National Water Trail Task Force



➤ What is the Task Force?

- Coordinated effort between the Trinity Coalition, NCTCOG, and the communities and organizations situated on the Upper Trinity River to support the Paddling Trail's National Water Trail designation by the National Park Service.

➤ The Task Force met on February 11, 2022.

- [View meeting materials here.](#)
- Discussed new launch sites under development, trail maintenance needs, and NCTCOG's Regional Trail Branding & Wayfinding Project.

➤ The next Task Force meeting will be held in May 2022.



Corridor Development Certificate Applications

Progress Since Last FMTF Meeting (11/19):

➤ New CDC Applications

- DC 12102021
- DC 12202021
- GP 021122-1 (Exemption)
- FW 021622-1

➤ Technical Review Complete

- IRV 062121-1 (Meets Criteria)
- ARL 092221 (Meets Criteria)

➤ Final Action Forms

- FW 091321-1 (Exemption)
- GP 083121-1
- FB 092121-1 (Exemption)
- GP 110421-1 (Exemption)
- FW 111121-1 (Exemption)

Reminder:

For CDC projects submitted on or after 10/01/20, the **\$2,500 Model Maintenance Fee** should be paid when the applicant requests the LOMR from the community. Applications submitted as exemptions are not subject to this fee.

Roundtable



Next FMTF Meeting Date

Friday, May 20, 2022

9:30 a.m.

Meeting Format is TBD.

Add to Calendar:

www.addevent.com/event/tY12093762

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