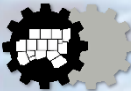


Flood Management Task Force

August 19, 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 [May meeting summary](#) is available in the chat.
- Please inform Jai-W Hayes-Jackson of any corrections or additions, at jhayes-jackson@nctcog.org.

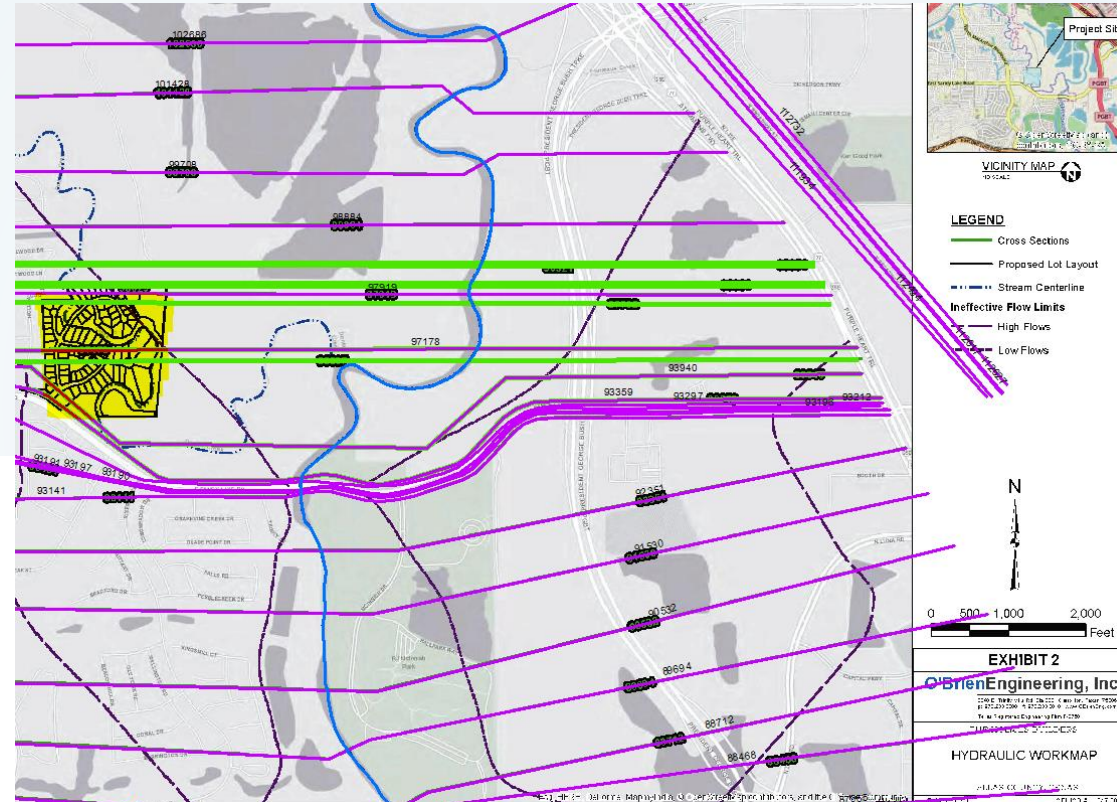
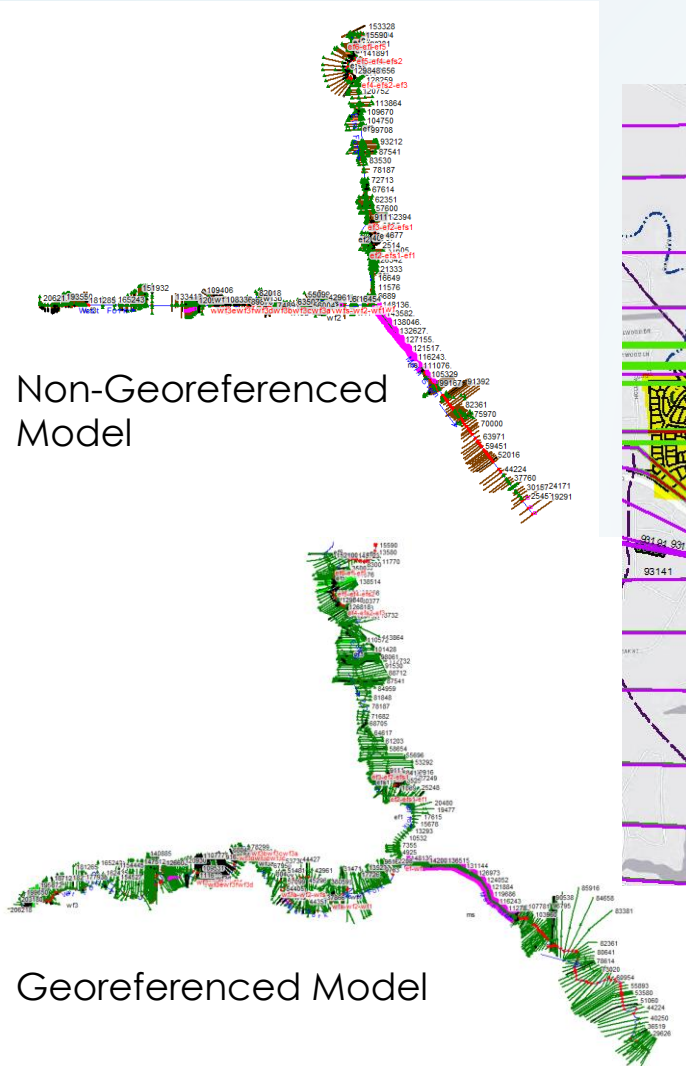
FY2022 Trinity River Common Vision Work Program

NFIP/CDC Model Consolidation Effort

- 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 coordinated with FEMA Region 6.
 - Working collaboratively to generate a consolidated CDC/NFIP model.
 - Will share draft model for FMTF review and feedback soon.
 - Working to generate CDC future flows for the FEMA detailed study on the East Fork Trinity and the Trinity mainstem to ultimately extend the consolidated CDC/NFIP model.
 - Met with NCTCOG and updated future land use data delivery is imminent to inform subsequent hydraulic modeling
 - Discussed strategy with NCTCOG and FEMA Region 6.
 - Anticipate sharing with FMTF for review in 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

NFIP/CDC Model Consolidation Effort



Methodology:

- Added latest CDC projects (since 2017) to the model.
- Reviewed and incorporated latest FEMA LOMRs, as appropriate.
- Consolidated model will include latest CDC and FEMA geometries and flows
- To share draft model for FMTF review and feedback soon.

Contact

Matt Lepinski, P.E.

Water Resources Branch

U.S. Army Corps of Engineers

Matthew.T.Lepinski@usace.army.mil

817.886.1683



FY2021 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- The NFIP-CDC Model Consolidation Team had a meeting on July 22nd to continue work on the 5th edition update.
 - Completed final drafts of the following sections and forms: Section 1: Introduction and Section 2: CDC Regulation & Criteria, Section 3: The CDC Process, and the Application, Final Action, and Extension forms.
 - Completing revisions to Section 4: CDC Submittal Requirements, the Verification form, the Appendices and the FAQs
- The Team will meet next in September to finish review of the Sections, Forms, and Appendices
- Upcoming meetings will discuss final compiled draft of manual and comments
- 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

- Next Steps
 - Team will complete final revisions of all sections, appendixes and forms
 - Compile those into a draft of entire manual document
 - Provide the complete revised manual to FMTF for review
 - Address any comments and finalize the updated manual
- Final Goal to have revised CDC Manual completed at same time new consolidated NFIP-CDC Model is ready this fall

FY2023 Trinity River Common Vision Steering Committee Meeting

- Trinity Common Vision Steering Committee

Wednesday, September 21st, 2022 from 9:30-11:30 am

[Add to Calendar](#)

Meeting format to be determined – open to discussion

FY2023 Trinity River Common Vision Steering Committee Meeting

Jim Ross – Mayor, City of Arlington

Steve Babick – Mayor, City of Carrollton

Wes Mays – Mayor, City of Coppell

Cara Mendelsohn – Councilmember, City of Dallas

Robert C Dye – Mayor, City of Farmers Branch

Dr. Jared Williams – Councilmember, City of Fort Worth

Jorja Clemson – Councilmember, City of Grand Prairie

Rick Stopfer – Mayor, City of Irving

TJ Gilmore – Mayor, City of Lewisville

Dennis Childress – Mayor, City of Seagoville

John Wiley Price – Commissioner District 3, Dallas County

Bobbie Mitchell – Commissioner Precinct 3, Denton County

Ken Cates – Commissioner, Precinct 4 Kaufman County

B. Glen Whitley – County Judge, Tarrant County

Leah King – President, Tarrant Regional Water District

Lewis McMahan – Board Member, Trinity River Authority

Yi Chan – NFIP State Coordinator, TWDB

Jerry Cotter – Chief of Water Resources, USACE

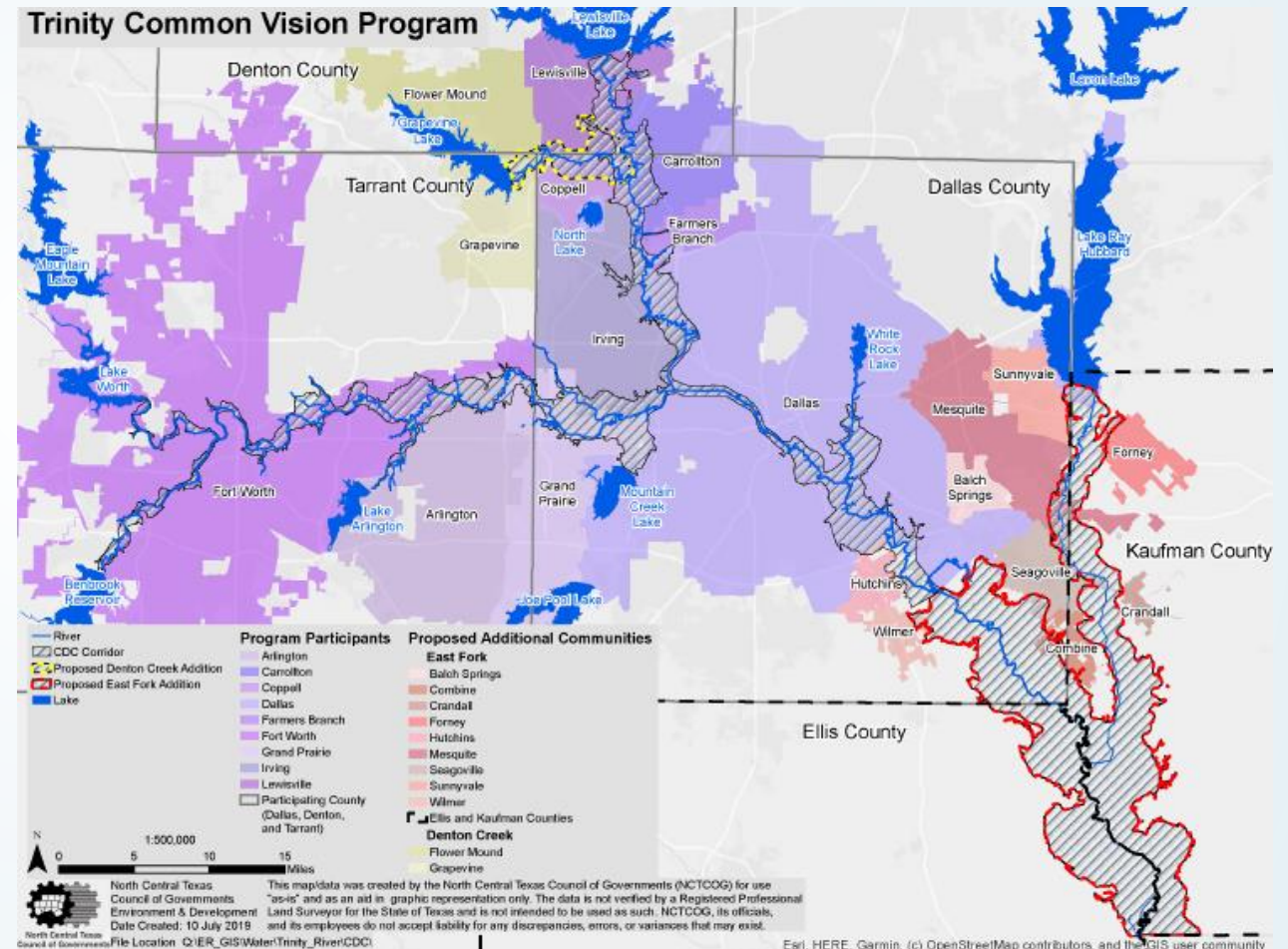
Mike Eastland – Executive Director, NCTCOG

Diane Howe – Risk MAP Lead, FEMA Region 6

Trinity River Common Vision Work Program

East Fork/Denton Creek Update

- NCTCOG staff has sent out emails to proposed communities encouraging them to join.
- NCTCOG has invited proposed communities to September's Steering Committee Meeting to learn more about the program.
- East Fork: Hutchins, Forney, Mesquite, Crandall, Sunnyvale, Ellis County, Balch Springs, Combine, Wilmer
- Denton Creek: Flower Mound, Grapevine



Regional Flood Early-Warning Software

www.flooddatantx.com



Regional Flood Warning Software Program

Cooperative regional solution to offer a cost-effective software package for all agencies to assist in flood warning and hydrology related challenges in the area.



Regional View

Understand approaching storms across the DFW area with access to the regional data set



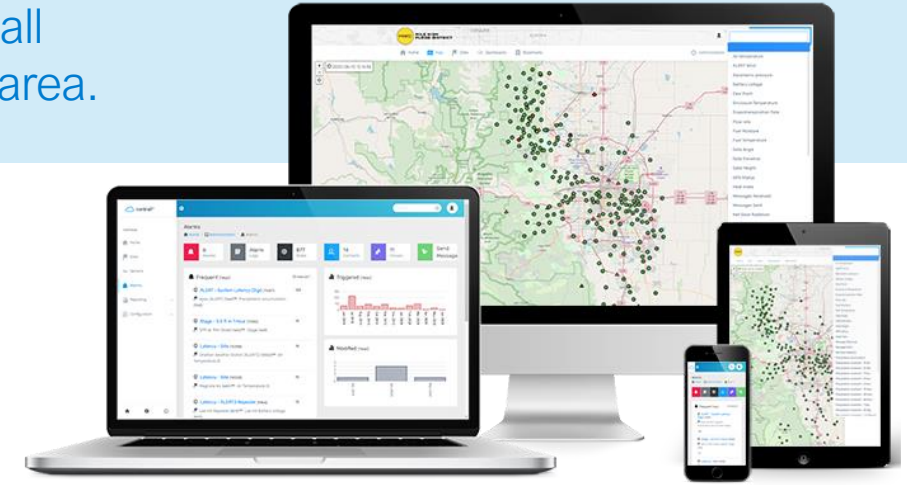
Impacts

Monitor the impacts on your agency with alarming, dashboards, and graphing of water and rainfall data



Branded Website

Provide your constituents with information through their own branded website that they can see and download data

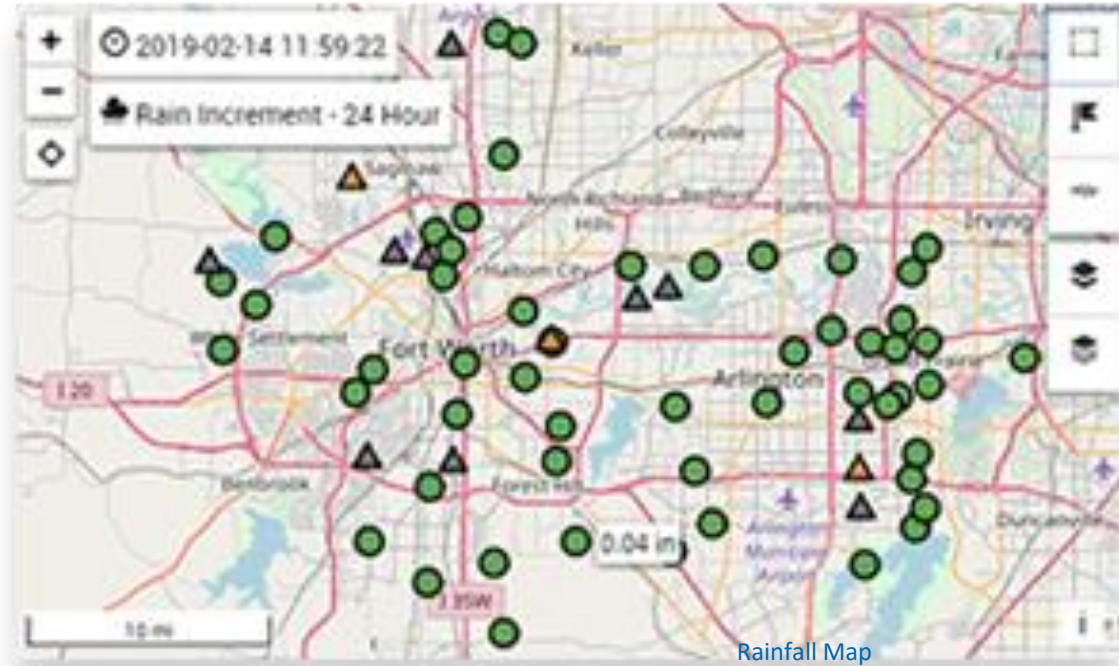


FEATURES

- ✓ Collect, visualize & alarm on critical flood and rainfall data
- ✓ Use your own gauges or utilize the surrounding agencies' gauges
- ✓ See surrounding agency rainfall data
- ✓ View information on any device
- ✓ Easily share your data with the public
- ✓ Website branding to match your agency
- ✓ Flexible tiers and deployments for all needs

Participating Communities

- City of Arlington
 - City of McKinney
 - City of Frisco
 - TRWD
 - DCURD
 - City of Grand Prairie
 - Town of Highland Park
-
- City of Fort Worth feeds data to website



Shared Tier > Entry & Intermediate

- Agency Branded Web Site
- Visualize & Download Regional Data (as CSV, Excel or Tab Formats)
- Alarm on Shared Regional Rain – Stream Level – Air Temp Gauges
- Edit Dashboards or Homepage
- Gauge Adjusted Radar Rainfall

Intermediate:

- Collect – Visualize – Store – Alarm Agency-Owned Gauging Data
- Send Data to NWS

Dedicated Tier > Advanced 1 & Advanced 2

- Dedicated Cloud Resource
- Collect – Visualize – Store – Alarm Agency-Owned Gauging Data
- Access to Regional Gauges
- Download Regional & Local Data (CSV, Excel, or Tab Formats)
- Agency-Branded Web Site
- API Access for Integrating into 3rd-Party Websites
- Send Data to NWS
- Advance Reporting (Network Maintenance & Full Data Download)
- 2-Way Command & Control (High Water Detection System)
- Configurable to Meet Agency Needs

Note: Tier 1 = 100 Sensors | Tier 2 = Unlimited Sensors

Mission Critical Tier > Redundancy & High Redundancy

In Addition to Advanced Tier 1 or Tier 2

- Dedicated Cloud Resource & Local Instance
 - OR
 - 2 Cloud Resources in Separate Data Centers & Local Instance
-
- Collect Additional Data Sources (via Generic Data Agent)

Ancillary Services

- Client Set-up & Configuration
- Training (WebEx or On-site)
- Optional Tech Services (Historical Data Load, Custom Data Feed)
- Contrail Field Decoder (Verify Field Communication & Configuration)

Summary

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	✓

Thank You

Sue Swenor

Sales Manager – Texas & Oklahoma

Sue.Swenor@AEM.eco

512-931-9530



FY2023 Trinity River Common Vision Work Program Approval

- ➡ **NCTCOG is seeking the FMTF's approval of the Draft FY2023 Work Program for recommendation to the Trinity River Common Vision Steering Committee.**
- ➡ A link to the final [Draft FY23 Work Program](#) is available in the chat.

Other Program Related Efforts

27th Annual FEMA L-273 Four-Day Course

- The Annual L-273 Course for floodplain managers, hosted by FEMA and NCTCOG, will return this fall for the 27th year!
- This four-day course will be held this **November 14-17, 2022**, at NCTCOG's offices in Arlington.
 - Registration details coming soon. Spots will be limited. FMTF members will have 2 weeks prior to the opening of registration to sign up.
- TFMA Certified Floodplain Manager (CFM) exam to be held on **Friday, November 18, 2022**, following the four-day course.

Questions? Contact Jai-W Hayes-Jackson at jhayes-jackson@nctcog.org or (817) 695-9148

Other Program Related Efforts

North Texas Floodplain Administrators/CRS Users Group

- **Community Rating System Users Group**
- The next CRS Users Group/Elected Officials Meeting will cover the following topics:
 - Reaching a CRS Rating of 4 – City of Dallas' experience
 - Regional Flood Planning Effort Update
 - Transportation and Stormwater Infrastructure Project
- Date: TBD, but likely in October
- 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

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 August 9, 2022.
 - [View meeting materials here.](#)
 - Discussed launch sites under development, trail maintenance needs, Trail Ribbon Cutting Ceremonies, and the 2023 National Recreation and Park Association Annual Conference.
- The next Task Force meeting will be held November 1, 2022.

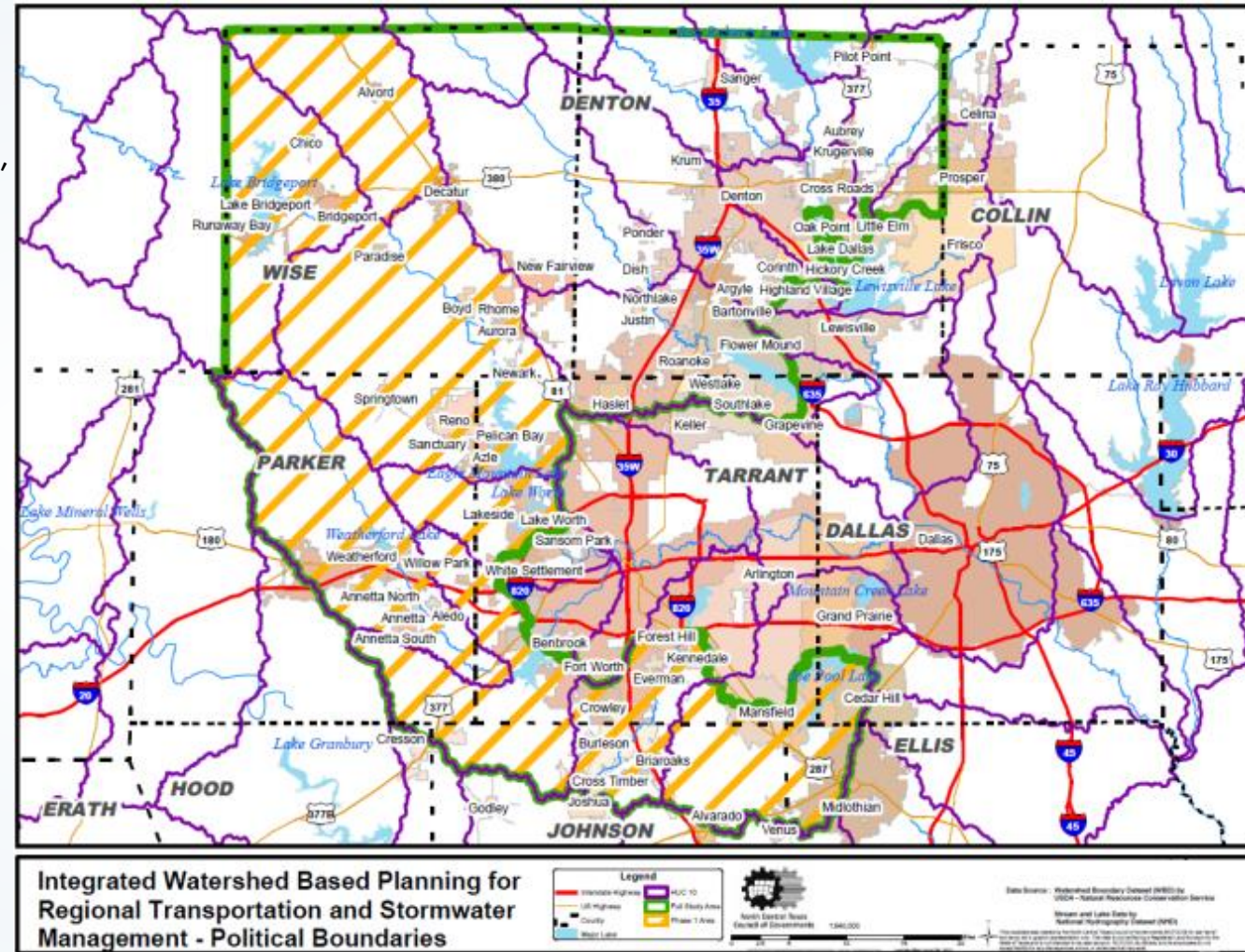


Efforts Toward Integrated Transportation & Stormwater Planning

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

- Project lead and partner organization meetings ongoing to discuss project
- NCTCOG conducted community kickoff meetings in August 2022 for four subareas of the overall study area.

<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

Cooperating Technical Partnership (CTP) Program

► FY19 Flood Risk Projects

- **Harriet Creek (Denton County, 7 miles)** – Hydrologic and Hydraulic analysis is complete. Final mapping is in progress; TSDN is being prepared. **98% Complete**
- **Waxahachie Creek (Ellis County, Midlothian, Waxahachie; 19 miles)** - Hydrologic and Hydraulic analysis is complete. Final mapping is in progress; TSDN is being prepared. **89% Complete**

► FY20 Flood Risk and Outreach Projects

- **Catherine Branch (Denton County)** – Hydrologic and Hydraulic analysis QA/C underway. Preliminary mapping is in progress. **53% Complete**

► FY21 Flood Risk Projects

- **Hog Branch (Denton County)** – Terrain Data Capture and draft TSDN are underway. **3% Complete**
- **East Fork (Lowery Crossing and McKinney)** – Terrain Data Capture and draft TSDN are underway. **3% Complete**
- **Upper West Fork Discovery** – Preparation for Discovery meeting underway. **18% Complete**
- **COMS CHARM Outreach Workshops** – communities interesting in participating, in a workshop, please contact NCTCOG.

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 (completed)
 - Task 3 – BMP Design and Maintenance Training (completed)
 - Task 4 – Technical Manual Updates (completed)
 - Task 5 – Guidance on Forebay Design (completed)
 - Task 6 – Hydrologic Mimicry Research (completed)
 - Task 7 – Technical Assistance for Case Studies – on hold for Outcome 17 assistance
 - Task 8 – Economic Benefits of iSWM Research (completed)
- The iSWM contract has expired this year, and the Task Deliverables from Task Order #6 have been completed and are available online.
- The Public Works Council has approved a budget for a new iSWM contract beginning in FY23. A Request for Statement of Qualification (RFSQ) for the new iSWM contract is being finalized and will be posted for public bid soon.
- Next Meeting: October 5, 2022, at 1:30 pm via Microsoft Teams. More information available online.



Corridor Development Certificate Applications

Progress Since Last FMTF Meeting (5/27/22):

New CDC Applications

- FW 08172022-1
- FW 08172022-2

Final Action Forms

- CAR 033122-1

Technical Review Under Process

- FW 030722-1
- GP 040122-1
- FW 052322-1
- GP -061422-1

Exemptions

- ARL 051422-1
- FW 062822-1

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

Next FMTF Meeting Date

Friday, November 18, 2022

9:30 a.m.

Meeting Format is TBD.

Contact

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Kate Zielke

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