

Flood Management Task Force

June 11, 2021



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

- The link to the meeting summary is available in the chat.
- Please inform me of any corrections or additions.

FY21 Trinity River Common Vision Work Program Activities Discussion

NFIP/CDC Model Consolidation Team

- The FMTF approved the Consolidation Team's Memo in January. The USACE has submitted two scopes for work related to the model consolidation.
 - Updating the newly georeferenced CDC model with approved but not yet constructed CDC project geometries from 2017 onward and future flows.
 - Creating the CDC future flows for the FEMA detailed study on the East Fork Trinity and the Trinity mainstem to extend the consolidated model.
- The USACE set aside \$485,000 from the Floodplain Management Services (FPMS) fund to complete these scopes. Internal coordination at the USACE will be occurring this FY. Updates for FY21 will be provided as they become available.

FY21 Trinity River Common Vision Work Program Activities Discussion

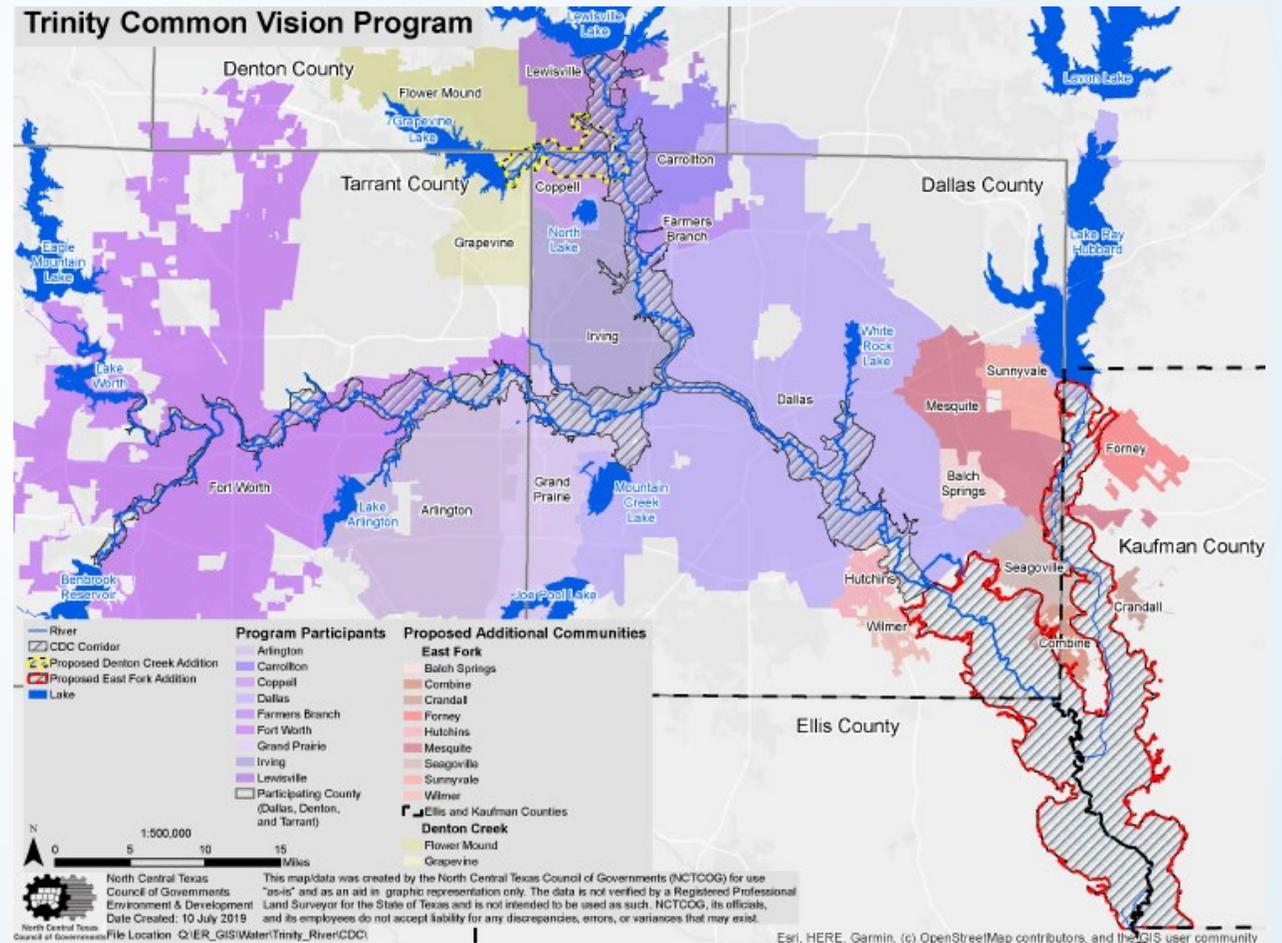
CDC Manual Update to the 5th Edition

- ▶ The NFIP-CDC Model Consolidation Team held it's latest meeting on June 9th to continue work on the 5th edition update.
 - ▶ Chapter 4: CDC Process and Chapter 1: General Information revisions have been proposed and discussed.
- ▶ Updates will be brought to the FMTF throughout the process and your feedback will be requested.

FY21 Trinity River Common Vision Work Program Activities Discussion

East Fork/Denton Creek Update

- NCTCOG staff is sending out emails to proposed communities to encourage them to join.
- Cost shares have been refined based on FEMA preliminary maps and added to the TCV Work Program.
- NCTCOG presented at the May meeting of Dallas County Southern Cities.
- NCTCOG was invited to present to the Ellis County Commissioners Court at their July 27th meeting.



FY21 Trinity River Common Vision Work Program: Ongoing Support Activities

OneRain Regional Flood Software

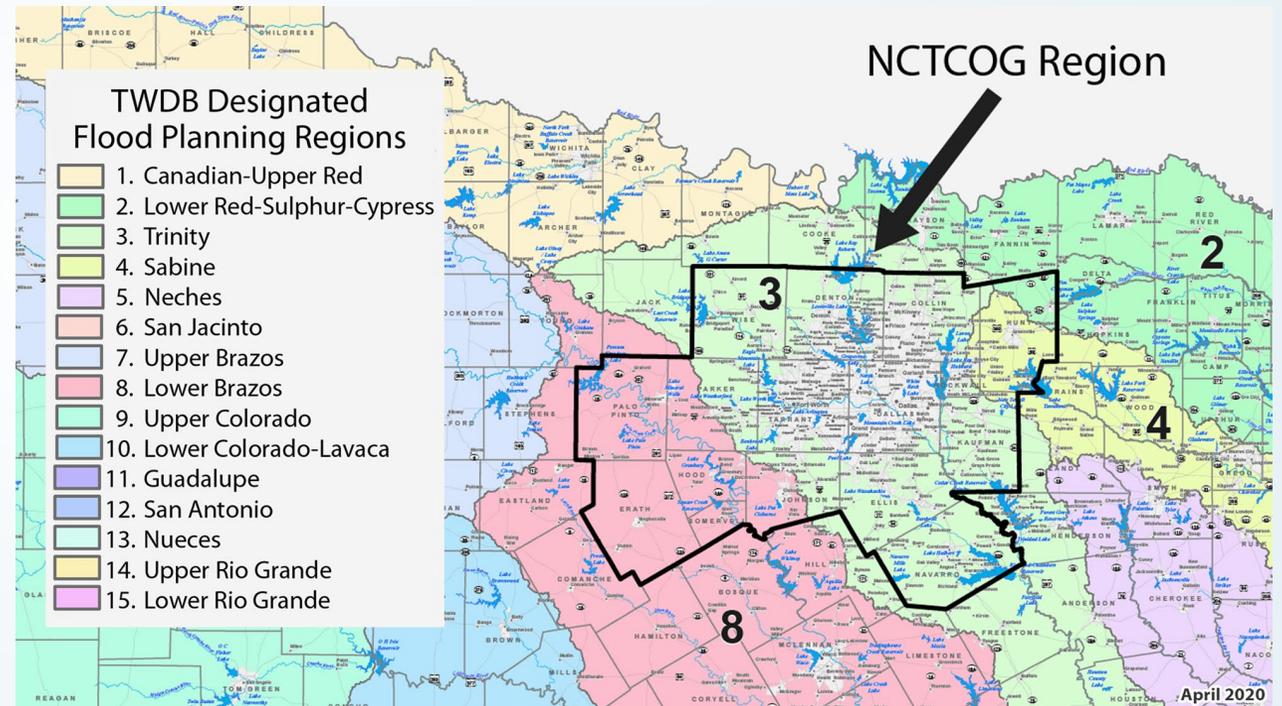
- ▶ Current Participants
 - ▶ McKinney
 - ▶ Arlington
 - ▶ Frisco
 - ▶ TRWD
 - ▶ DCURD (NEW – Data View Tier)
 - ▶ Highland Park (NEW – Advanced Tier 1)
- ▶ Fort Worth and Grand Prairie feed their data into the platform.
- ▶ You can find information on the contract through the North Texas SHARE website [here](#). Tiers and pricing are [here](#).
- ▶ View the regional platform at www.FloodDataNTX.com



FY21 Trinity River Common Vision Work Program: Ongoing Support Activities

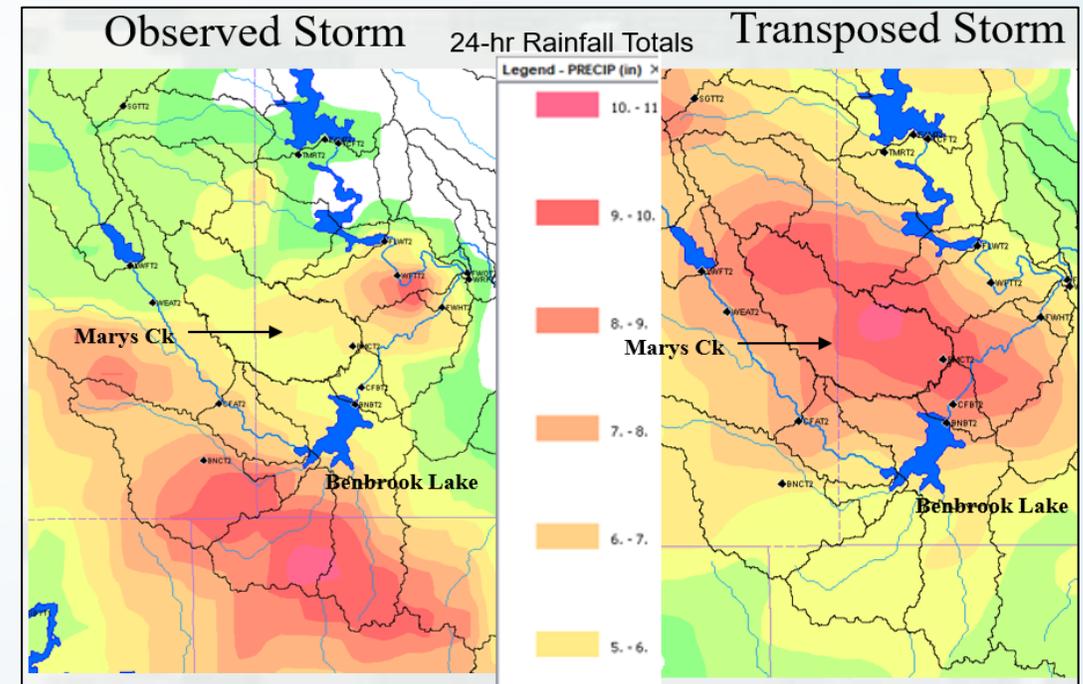
TWDB Flood Planning Process

- ▶ Highlights from the May 27th meeting of the Trinity Regional Flood Planning Group (RFPG), sponsored by TRA.
 - ▶ The deadline for nomination of COG representatives as non-mandatory non-voting members is June 7th; one nomination so far.
 - ▶ Halff Associates, the Trinity RFPG consultant, gave an overview of the timeline for the flood planning process and required outreach.
 - ▶ View meeting recordings [here](#)
 - ▶ View meeting schedules [here](#).



FY21 Trinity River Common Vision Work Program: Ongoing Support Activities

- An application to the Silver Jackets to perform storm shifting in the Trinity River corridor was selected for funding.
- Dallas County, Dallas County Utility & Reclamation District (DCURD), and City of Irving are participating.
 - The partners have selected storms and locations for analysis.



June 2000 storm transposed 15 miles North

FY22 Trinity River Common Vision Draft Work Program Discussion

- A link to the Draft FY22 Work Program is available in the download box.
- Additions to existing Ongoing Support Activities
 - NCTCOG participation in the Trinity Regional Flood Planning Group
- Additional Technical Activities
 - Participation in the Model Consolidation Committee
 - Update the CDC Manual to the 5th Edition
 - East Fork Trinity and Denton Creek Integration
- Annual Cost Shares
 - Original Member cost shares are unchanged.
 - East Fork and Denton Creek community cost shares are updated and shown.

National Water Trail Task Force



The mission of the Trinity Coalition is to transform the Trinity River Corridor into a nationally recognized conservation and recreation area.

***Trinity River Paddling Trail
Clean Trinity
GreenSpaceDFW***

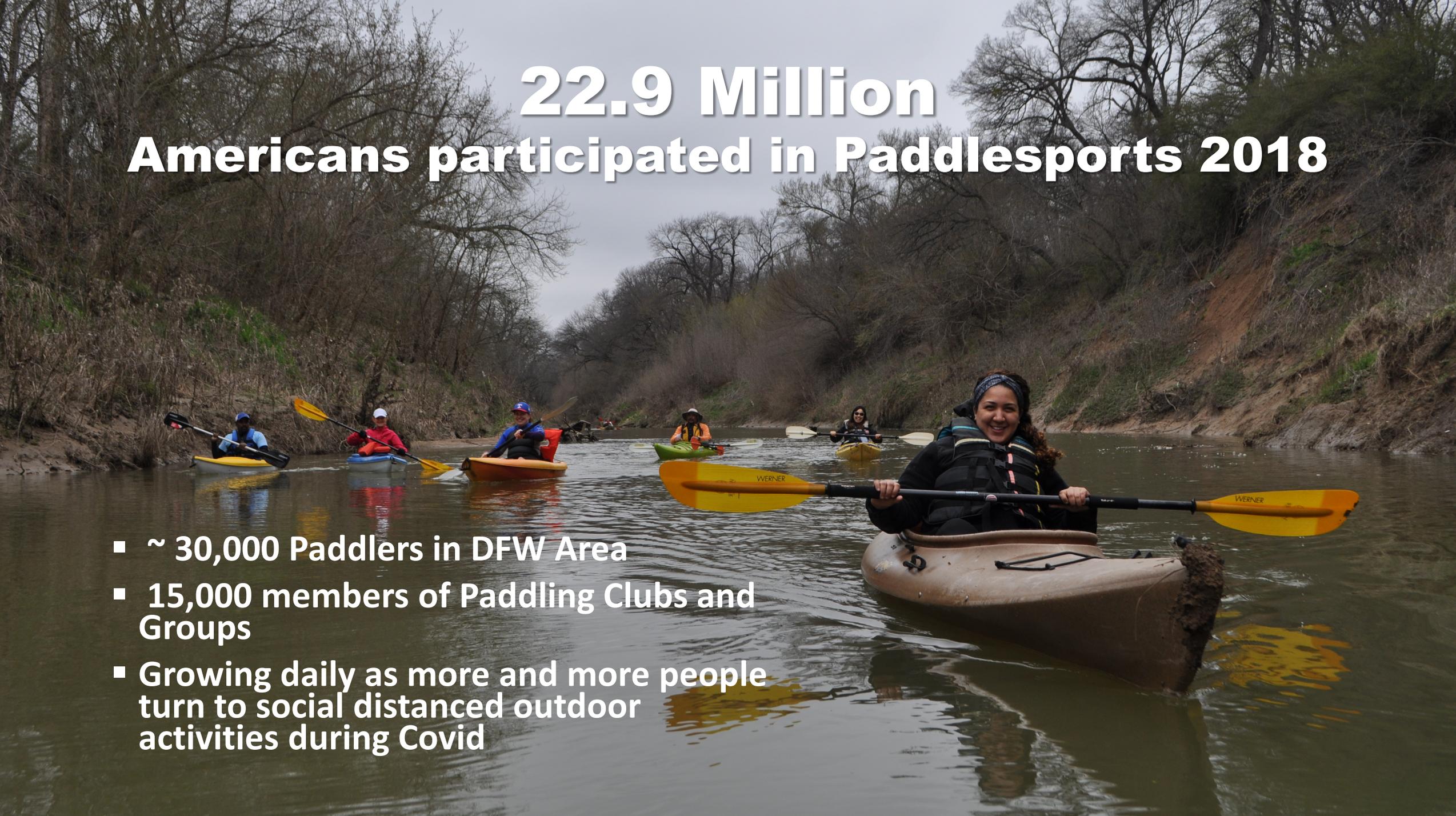




Trinity River National Water Trail

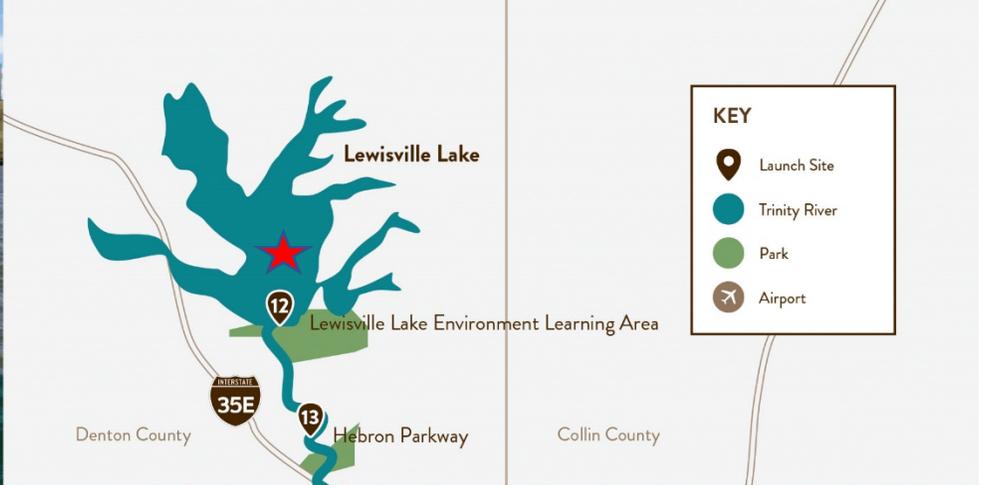
22.9 Million Americans participated in Paddlesports 2018

- ~ 30,000 Paddlers in DFW Area
- 15,000 members of Paddling Clubs and Groups
- Growing daily as more and more people turn to social distanced outdoor activities during Covid





Rivers are a natural environment and constantly changing. Please check the local river gauges for current flow conditions. If you have questions, corrections, or updates to this map, email Teresa at teresa@trinitycoalition.org.



Trinity River Paddling Trail Lewisville Lake Environmental Learning Area

Elm Fork LLELA to McInnish Park

LAUNCH SITES

LLELA
33.067109, -96.964697

HEBRON PARKWAY
33.012600, -96.950689

MCINNISH PARK
32.967440, -96.942685

Launch Site Parking
Entrance Fee ADA Accessible
Paddle both ways Restrooms
Distance to next launch site Dam
Low Head Dam Chute

Flow Gauge for LLELA

~ 6 miles to Hebron Parkway

~ 5.75 miles to McInnish Park

0 0.6 1.2 Miles

The Trinity Paddling Trail is a program of Trinity Coalition. Map made in partnership with TEXAS NATURE

Current location:
LLELA
Lewisville Lake
Environmental
Learning Area
DD: 33.067109° -
96.964697°

Next Take-out:
Hebron
Parkway Rd
~6 miles /
~ 2.5 hrs
DD: 33.012600° -
96.950689°

This section has Cell coverage. In case of emergency call 911. River section LLELA to Huffines Park at Hebron Parkway, Lewisville

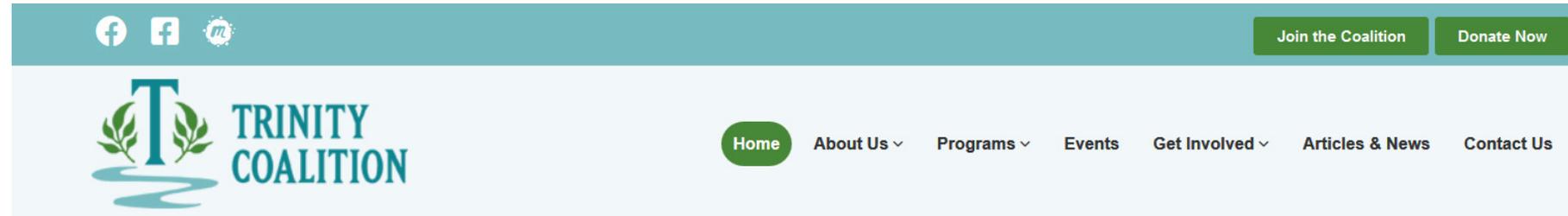
River conditions: this section of the river starts out with shallow fast moving current. Downstream the river widens and slows. **Hazards:** please watch for fallen trees that can go completely across the river.

playlewisville.com



For more information: <https://trinitycoalition.org>

Website



TRINITY COALITION



The Trinity Coalition is a voice for recreation and conservation within the Upper Trinity River Corridor.

Established in 2015, we are a nonprofit organization that is opening doors to the Upper Trinity River and its surrounding parks and natural ecosystems. By improving community access to the river, Trinity Coalition connects the Dallas-Ft Worth metroplex to conservation activities that clean and protect North Texas' greatest natural assets.

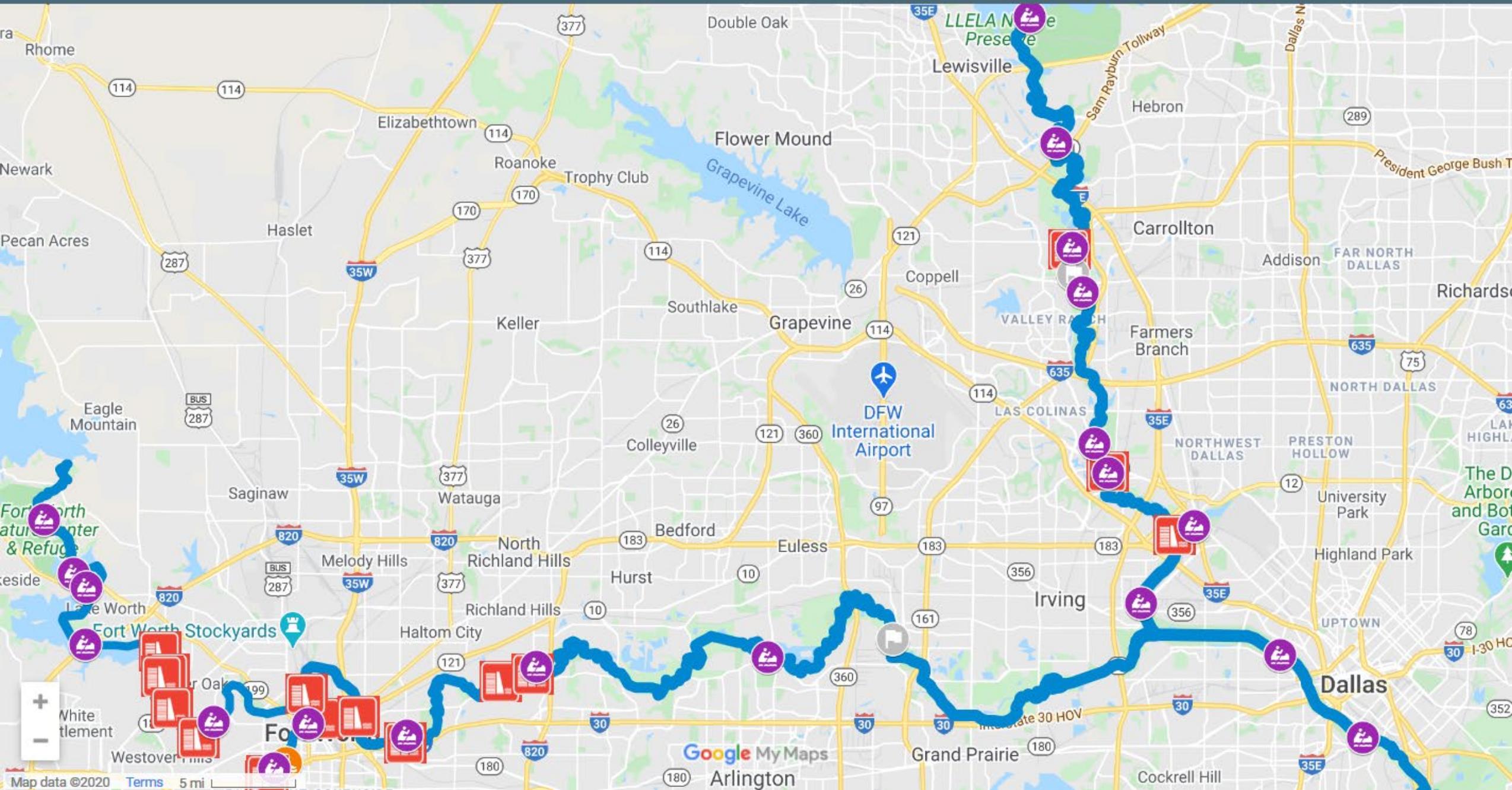
OUR FOCUS We focus on three main areas:

Recreation: We believe that the more citizens experience the river, the more

AN OVERLOOKED CROWN JEWEL

The unique location of the Upper Trinity River Corridor brings ecotourism to an urban environment

GreenSpaceDFW



Launch Site Information



McInnish Park

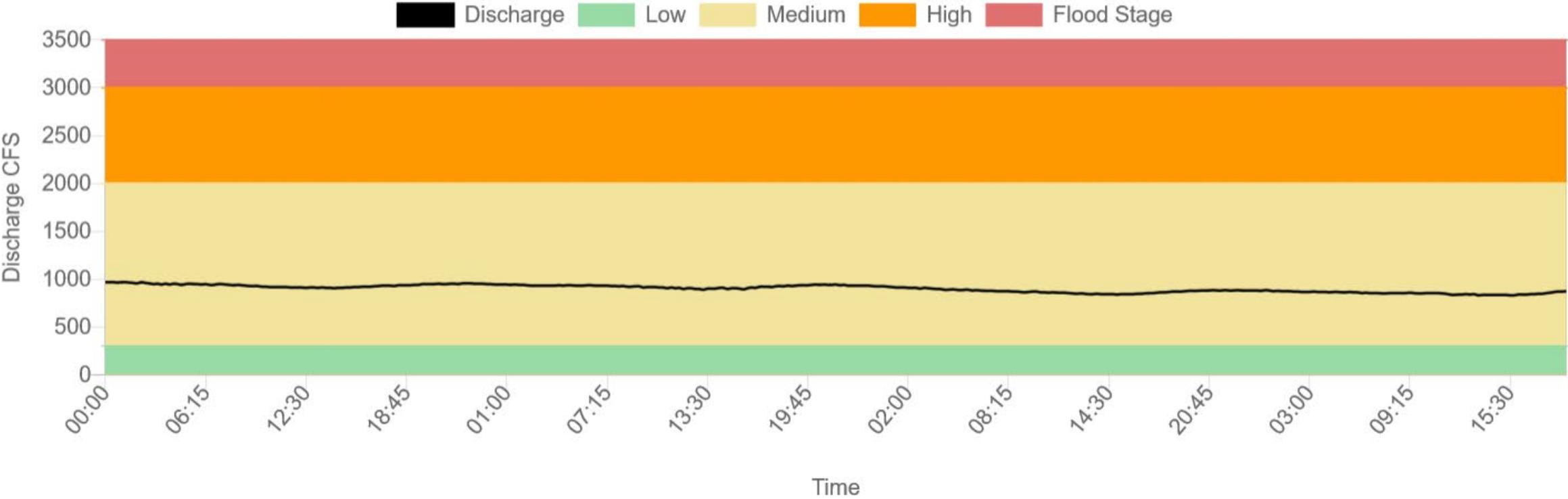
- McInnish Park
- description
- Trail Section Location: In Carrollton, on Sandy Lake Rd on the North East corner of the park.
Latitude / Longitude DD: 32.967440° -96.942685°
Directions to Trail:
Take Sandy Lake Rd either from I-35 or George Bush Turnpike
Head west on Sandy Lake Rd.
Turn left (south) into McInnish Park. Take the 1st road on your right. It will take you under Sandy Lake Rd to the boat ramp.
Launch Description: Concrete boat ramp
Distance and Take-out: 1.6 miles to Elm Park, in Carrollton, 8 miles to Bird's Fort Trail Park in Irving, TX.
Trail Description: McInnish Park has a boat ramp with easy entry into the water.
- HAZARD WARNING!! Just downstream 500 yards is Carrollton Dam which must be portaged for downstream paddle trips. The dam makes the current very slow and this section can be paddled upstream or downstream. You can also access Denton Creek and a small lake on Denton Creek from McInnish Park. Going downstream – the Carrollton Dam will need to be portaged on river left. Once the portage is complete the water conditions are clear, shallow, moving water for the next mile or so. If you don't want to portage Carrollton Dam you can access the river 1.5 miles to the south at Elm Park in Carrollton. Click on the dam icon for details and portage route.
- River Gauge: <https://trinitycoalition.org/mcinnish-park-elm-fork-carrollton-tx>

Trammell Crow Park / Main Branch / Dallas, TX.

Latitude / Longitude DD: 32.789872° -96.834669°

RIVER GAGE LEVELS

Click or tap on the key to change what is hidden/shown on the chart.
Move your mouse over the black discharge line to see incremental data.





CLEAN TRINITY





A person wearing a black shirt and a cap is paddling a yellow kayak down a creek. The water is murky and filled with a large amount of trash, including plastic bottles, sticks, and other debris. The background shows a dense line of trees under an overcast sky. The text is overlaid in the center of the image.

Joe's Creek Trash Mitigation Project
Upper Trinity Water Quality Report Card

Upper Trinity River - Water Quality Grades and Compliance Rates

River Sections Only

-----Near Term Compliance Rate-----

MUNICIPALITY	STATION #	RIVER STATION DESCRIPTION	# OF E.COLI SAMPLES 2019-2013*	DATE RANGE	SWIM GRADE	SWIM PERCENT	BOAT PERCENT	SEGMENT SWIM GRADE	SEGMENT BOAT GRADE
Fort Worth	21558	WEST FORK UPSTREAM JACKSBORO	20	2019-2014	C+	70	80	B	B+
Fort Worth	10941	WEST FORK SH 183	0	-----	----	----	----		
Fort Worth	20292	WEST FORK HERITAGE PARK	0	2012-2008	----	----	----		
Fort Worth	17368	WEST FORK 4TH ST	47	2019-2001	B+	81	91.5		
Fort Worth	10938	WEST FORK BEACH ST	45	2019-2001	B	80	87		
Fort Worth	17863	WEST FORK GATEWAY	0	2012-2003	----	----	----		
Fort Worth	16120	WEST FORK HANDLEY	24	2019-2001	B-	71	79		
Arlington	21423	LOWER W. FORK RIVER LEGACY PARK	7	2019-2017	A-	85.7	85.7	B-	B+
Grand Prairie	17669	LOWER W. FORK ROY ORR	80	2019-2001	B	77.5	86.3		
Grand Prairie	11082	LOWER W. FORK G. PRAIRIE	0	-----	----	----	----		
Grand Prairie	11081	LOWER W. FORK BELT LINE	25	2019-2000	C+	68	76		
Dallas	11089	LOWER W. FORK LOOP 12	0	2006, 2005, 2000	----	----	----		
Fort Worth	11045	CLEAR FORK BRYANT ST	49	2019-2001	B-	70.8	83	C+	C
Fort Worth	18456	CLEAR FORK ROSEDALE	24	2019-2013, 2007-2004	C+	66.67	75		
Fort Worth	13623	CLEAR FORK BENBROOK DAM1	0	-----	----	----	----		
Fort Worth	17122	CLEAR FORK BENBROOK DAM2	0	-----	----	----	----		
Fort Worth	16119	CLEAR FORK PURCEY	0	-----	----	----	----		
Dallas	10937	UPPER TRINITY N WESTMORELAND	26	2019-2001	B+	84.6	88.5	C+	C
Dallas	20933	UPPER TRINITY SYLVAN AVENUE	26	2019-2011	C	61.5	76.9		
Dallas	20934	UPPER TRINITY SANTA FE AVE.	27	2019-2011	C	61.5	73.07		
Dallas	13614	UPPER TRINITY CEDAR CREST BLVD	0	-----	----	----	----		
Dallas	20444	UPPER TRINITY S. CENTRAL EXP	27	2019-2011	C	61.5	76.9		
Dallas	10934	UPPER TRINITY LOOP SH 12	26	2019-2001	C	61.5	69.2		
Dallas	18310	ELM FORK E. IRVING	0	2012-2003	----	----	----	B	B+
Dallas	20287	ELM FORK WILDWOOD DR	26	2019-2007	B	77	85		
Dallas	17162	ELM FORK VALLEY VIEW	0	2012-2001	----	----	----		
Dallas	17164	ELM FORK PROCTOR ST	0	2003-2001	----	----	----		
Lewisville	15252	ELM FORK LEWISVILLE LK	0	-----	----	----	----		
Carrollton	16438	ELM FORK WWTP INTAKE	0	-----	----	----	----		
Lewisville	18358	ELM FORK HEBRON PKW	0	-----	----	----	----		

* # of samples available - Texas Commission of Environmental Quality (TCEQ) recommends collecting samples quarterly in a year. Considering this preference, 28 Bacteria samples are expected for a 7 years period.



UPPER TRINITY RIVER SWIMMING GRADES

AND COMPLIANCE RATES

(based on 2019-2013 bacteria data)

A+ 95% -100%
A 90% - 95%
A- 85% - 90%

B+ 80% -85%
B 75% - 80%
B- 70% - 75%

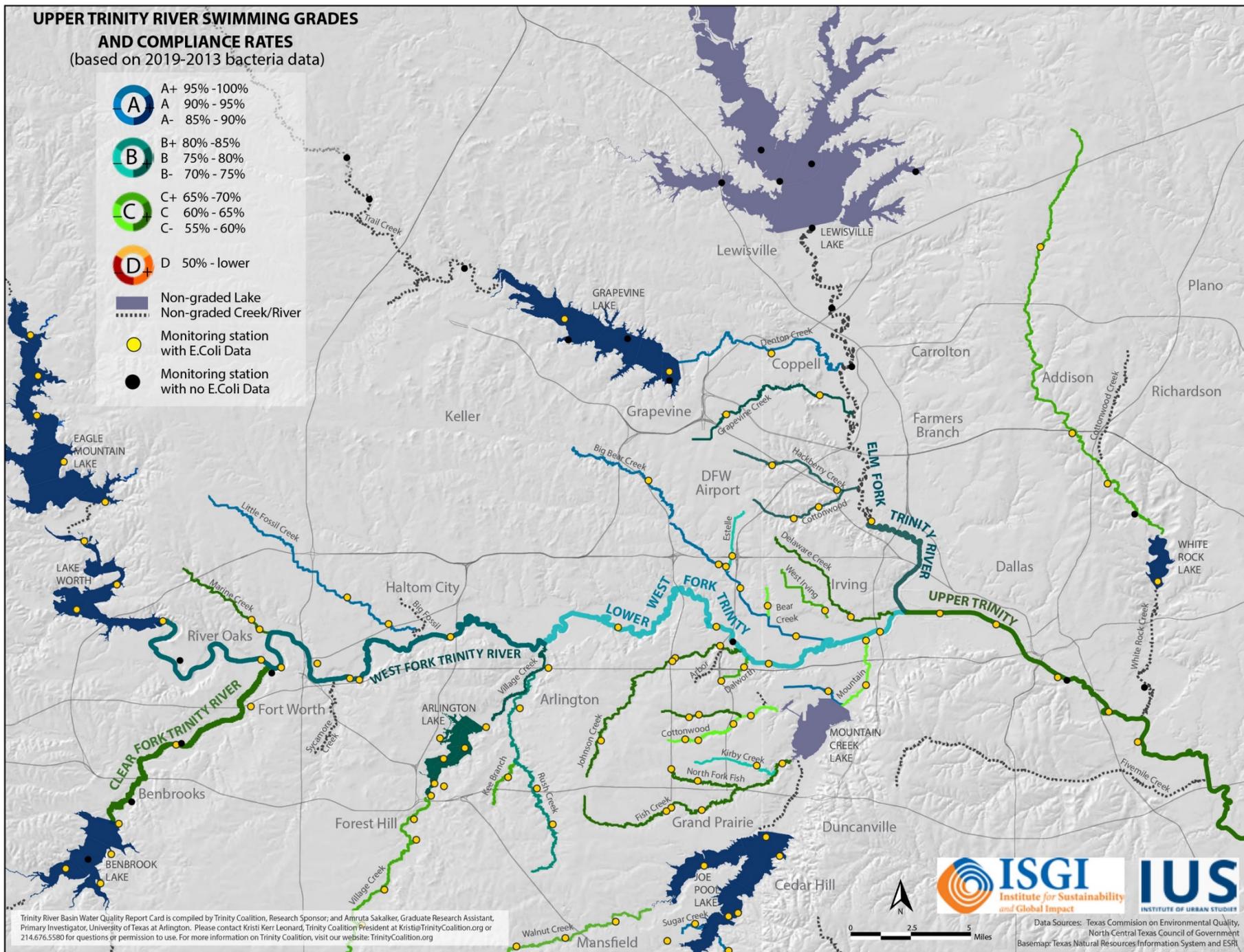
C+ 65% -70%
C 60% - 65%
C- 55% - 60%

D 50% - lower

Non-graded Lake
 Non-graded Creek/River

Monitoring station with E.Coli Data

Monitoring station with no E.Coli Data



Trinity River Basin Water Quality Report Card is compiled by Trinity Coalition, Research Sponsor, and Amruta Sakalker, Graduate Research Assistant, Primary Investigator, University of Texas at Arlington. Please contact Kristi Kerr Leonard, Trinity Coalition President at Kristi@TrinityCoalition.org or 214.676.5580 for questions or permission to use. For more information on Trinity Coalition, visit our website: TrinityCoalition.org



Data Sources: Texas Commission on Environmental Quality, North Central Texas Council of Government
 Basemap: Texas Natural Resources Information System and ESRI

Paddling Status June 2021

- National WaterTrail Task Force
 - Working with COG members to create a task force that can help all municipalities to share information and support on managing their waterways and launch sites.
- Building access to additional watershed trails
 - Working with the Lewisville Paddle Trail Group to add 100 miles of additional paddle trails on or near lake Lewisville
 - Identifying area creeks and tributaries and creating launch and safety data for each
- Trinity Coalition Facebook page
 - Event scheduling
 - Over 900 “likes” per day
- Trinity River Paddling Trail Association / 1,800+
 - Multiple paddling clubs follow us / 12,000+
 - Constant dialog about the paddling trail;
- Trinity Coalition Meetup page / 4,000 paddlers
 - Event scheduling and reservations
 - Communication and feedback

Future Goals

- Add 3 or 4 new launch sites on the main trail
- Create a multi-year improvement program with each city for improving launch sites
- Create a volunteer beautification program with each city for maintaining each launch site.
- Work to extend the trail to Lake Ray Roberts through Lake Lewisville and the Greenbelt Park



For More Information on the National Water Trail Task Force

Contact:

Breanne Johnson: BJohnson@nctcog.org

Dale@trinitycoalition.org

Teresa@trinitycoalition.org

Other Program Related Efforts

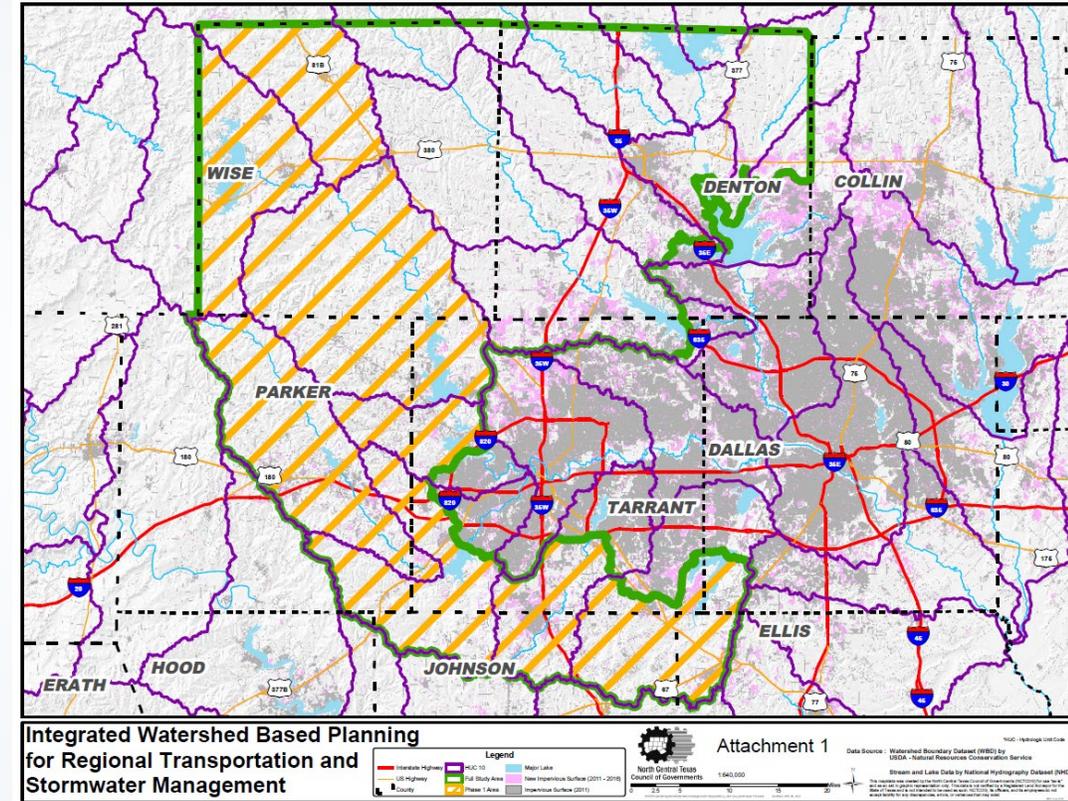
Update on Efforts Toward Integrated Transportation & Stormwater Planning

► What is the TSI project?

- Integration of regional stormwater management, urban development, transportation, and environmental planning: **a collaborative effort with regional Transportation planners**
- Identify impacts and alleviate risks from severe weather events such as flooding: **Proactive Prevention vs. Response**
- Will develop a comprehensive Transportation - Stormwater Infrastructure Plan for a First Phase – Proof of Concept Pilot Focus Area (yellow area).

► Project Kickoff

- Communities will receive a survey this month on flooding, stormwater, drainage, and policy challenges, in addition to available vs. needed data.
- Virtual kickoff meetings will be held in summer. Subsequent meetings (hopefully in-person) will focus on resources, policies, and best practices before moving to H&H data, decision making tools, and strategic planning/regulations.



Project resources and materials can be found at: <https://www.nctcog.org/envir/watershed-management/upper-trinity-river-transportation-and-stormwater>

Funding Application Update for Integrated Transportation and Stormwater Planning

	SUBMITTED APPLICATIONS		CONFIRMED FUNDS		ANTICIPATED APPLICATIONS*
Funding Agency/ Funding Opportunity Name	TWDB (Flood Infrastructure Fund)	USACE (Various Authorities)	FEMA (Community Outreach and Mitigation Strategies)	Regional Transportation Council (Transportation Dollars)	General Land Office (CDBG MIT or Other Funding Category)
Requested Funding	\$3.0 Million	\$3.0 Million	\$80,000	\$3.0 Million	?
Current Status	Funding approved by the TWDB May 27th; contract execution anticipated late summer 2021.	Submitted to USACE Fort Worth District in 2020.	Award received; Phase 1 engagement is in the early stages.	Match funding for the TWDB FIF Grant approved at the October 2020 Executive Board.	Application period for the planning funds has not been announced.

*Anticipate applying to additional funding opportunities as they become available (ex. GLO, TDEM, etc.) and working with partner organizations to identify project funding.

Other Program Related Efforts

North Central Texas Floodplain Administrators/CRS Users Group

- ▶ The Annual Combined CRS Users Group/Elected Officials Floodplain Seminar is tentatively scheduled for the afternoon of Thursday, July 29th, pending speaker availability. The topics are currently slated to be:
 - ▶ Trinity Regional Flood Planning Group Overview
 - ▶ Risk Rating 2.0
 - ▶ How Building Codes Can Work with Local Floodplain Management Regulations
 - ▶ Texas Infrastructure Report Card (Texas Section ASCE)

- ▶ What topics interest you for future CRS Users Group meetings?

Questions? Contact Breanne Johnson at bjohnson@nctcog.org or (817) 695-9148



Other Program Related Efforts

Cooperative Technical Partnership (CTP) Program

➤ FY18 Projects

- Flood Risk ID on Marys Creek in Parker County is complete. A flood resilience meeting was held April 6th and follow-up meeting held on May 18th; partnership with Parker County will continue.

➤ FY19 Projects

- Harriet Creek (Denton County, 7 miles) and Waxahachie Creek (Ellis County, Midlothian, Waxahachie; 19 miles) flood risk identification projects are ongoing, with survey and hydrologic and hydraulic analyses underway. Waxahachie Creek is 44% complete and Harriet Creek is 27% complete.

➤ FY20 Projects

- Catherine Branch Flood Risk ID in Denton County and a communications and outreach project related to NCTCOG's efforts for integration of transportation and stormwater planning in northern/western portions of the region have kicked off.

➤ FY21 Projects

- NCTCOG submitted a final Business Plan to FEMA in late March reflecting FEMA prioritization of funds for CHARM, Upper West Fork Discovery, and flood risk identification projects in the East Fork and Denton watersheds. The grant application process is now underway.



Other Program Related Efforts

Integrated Stormwater Management (iSWM) Subcommittee

- ▶ Task Order 6 Update: The iSWM Subcommittee will meet to start discussions on this years Task Order:
 - Task 2 – Reorganize/Re-evaluate Site Development Controls
 - Task 3 – BMP Design and Maintenance Training
 - Task 4 – Technical Manual Updates
 - Task 5 – Guidance on Forebay Design
 - Task 6 – Hydrologic Mimicry Research
 - Task 7 – Technical Assistance for Case Studies
 - Task 8 – Economic Benefits of iSWM Research
- ▶ At the July meeting the subcommittee will discuss Outcome 17 (Water Quality) on iSWM Tiered Implementation Form to determine if clarification of requirements for full and partial outcomes are needed.
- ▶ Final Task Order 4 documents can be found [HERE](#) on the iSWM website.
- ▶ Next Meeting: July 14th at 1:30 p.m. Keep up with NCTCOG E&D meetings and events at: <https://www.nctcog.org/envir/events>
Questions about iSWM? Contact Sydni Lignons at slignons@nctcog.org or (817) 608-2360



Corridor Development Certificate Applications

Received Since Last FMTF Meeting:

- New CDC Applications
 - ARL 041221-1 Arlington Landfill
 - FW 041921-1 Riverside Park (Exemption)
 - GP 060721-1 TRA Bear Creek Interceptor (Exemption)
- Technical Review Completed – None
 - LEW 022621-1 Murphy USA (meets criteria)
- Final Action Forms
 - FW 012021-1 (Exemption)
 - FW 030221-1 (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.



Legislative Update

The 87th Texas Legislature Regular Session ended May 31st. View the latest matrix [here](#).

Bills signed by the Governor:

[SB 1118](#) Relating to the creation and administration of the On-the-Ground Conservation Program by the State Soil and Water Conservation Board (Effective 9/1/21)

[HB 738](#) Relating to the residential and commercial building codes of municipalities (Effective 1/1/22, except Section 5(b) effective 9/1/21)

Bills awaiting action by the Governor:

[HB 531](#) Relating to notice requirements for a leased dwelling located in a floodplain

[HB 1681](#) Related to the construction of an assisted living facility within a 500-year floodplain*

[HB 3530](#) Relating to the nonsubstantive revision of certain local laws concerning water and wastewater special districts, including a conforming amendment

[SB 1679](#) Relating to the creation of an urban land bank by certain municipalities*

Roundtable



Next FMTF Meeting Date

Friday, August 13, 2021

9:30 a.m.

Meeting Format is TBD.

Add to Calendar:

<https://www.addevent.com/event/OC6808986>

Contact

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