

# TMDL Water Quality Modeling Webinar

August 3, 2023

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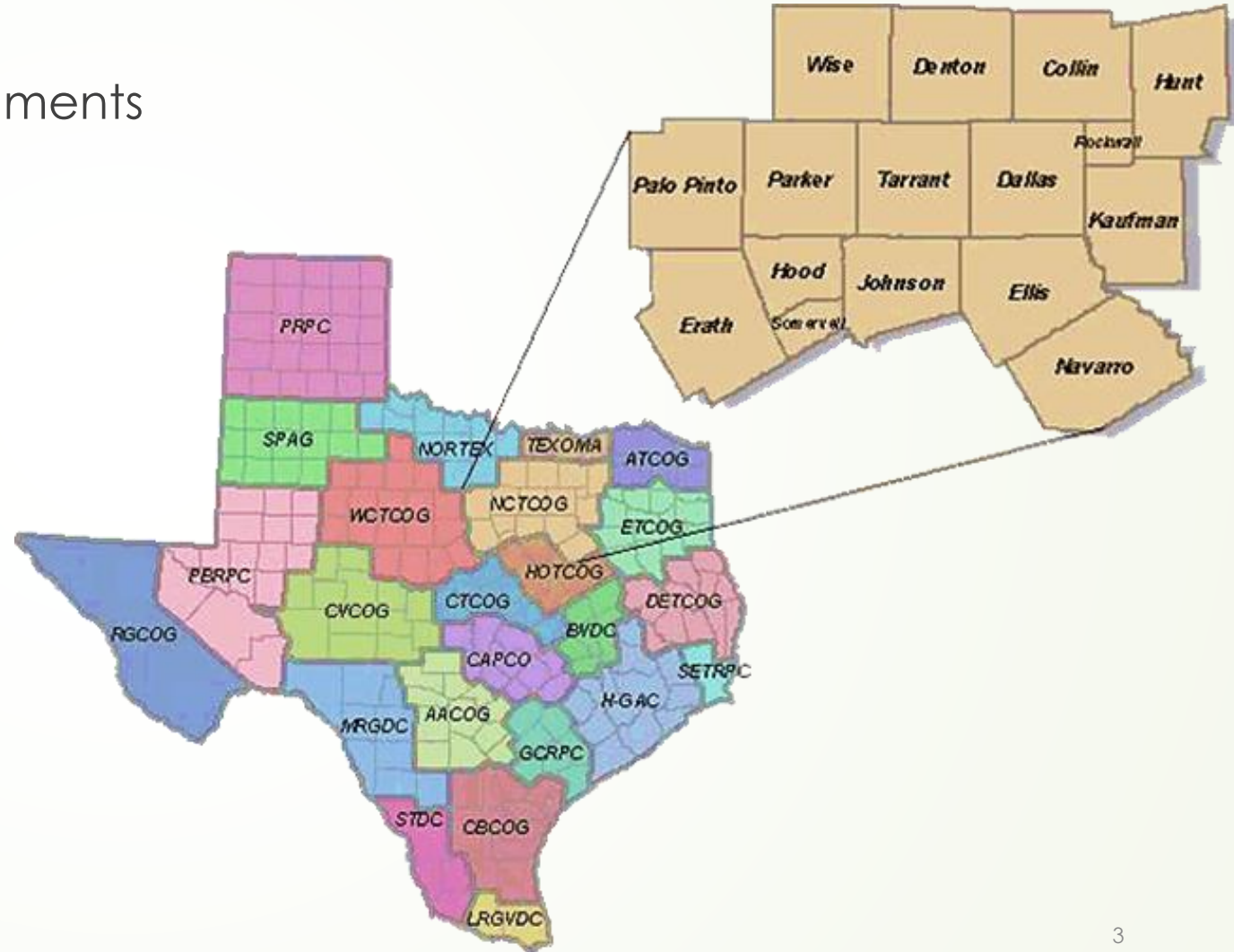
North Central Texas Council of Governments

# Webinar Procedures

- This webinar will be recorded and posted to the NCTCOG TMDL webpage under the green banner labeled “Workshops”
  - [www.nctcog.org/TMDL](http://www.nctcog.org/TMDL)
- All registrants and attendees will receive an email with the presentation slides and a subsequent email when the recording is posted.
- Please keep your microphone on mute until the Question-and-Answer period at the end of the presentations.
  - Questions can also be typed into the chat box.
- Thank you!

# What is the North Central Texas Council of Governments?

- Voluntary association of local governments
- Established in 1966
- Assists local governments in:
  - Planning for common needs
  - Cooperating for mutual benefit
  - Recognizing regional opportunities
  - Resolving regional problems
  - Making joint decisions

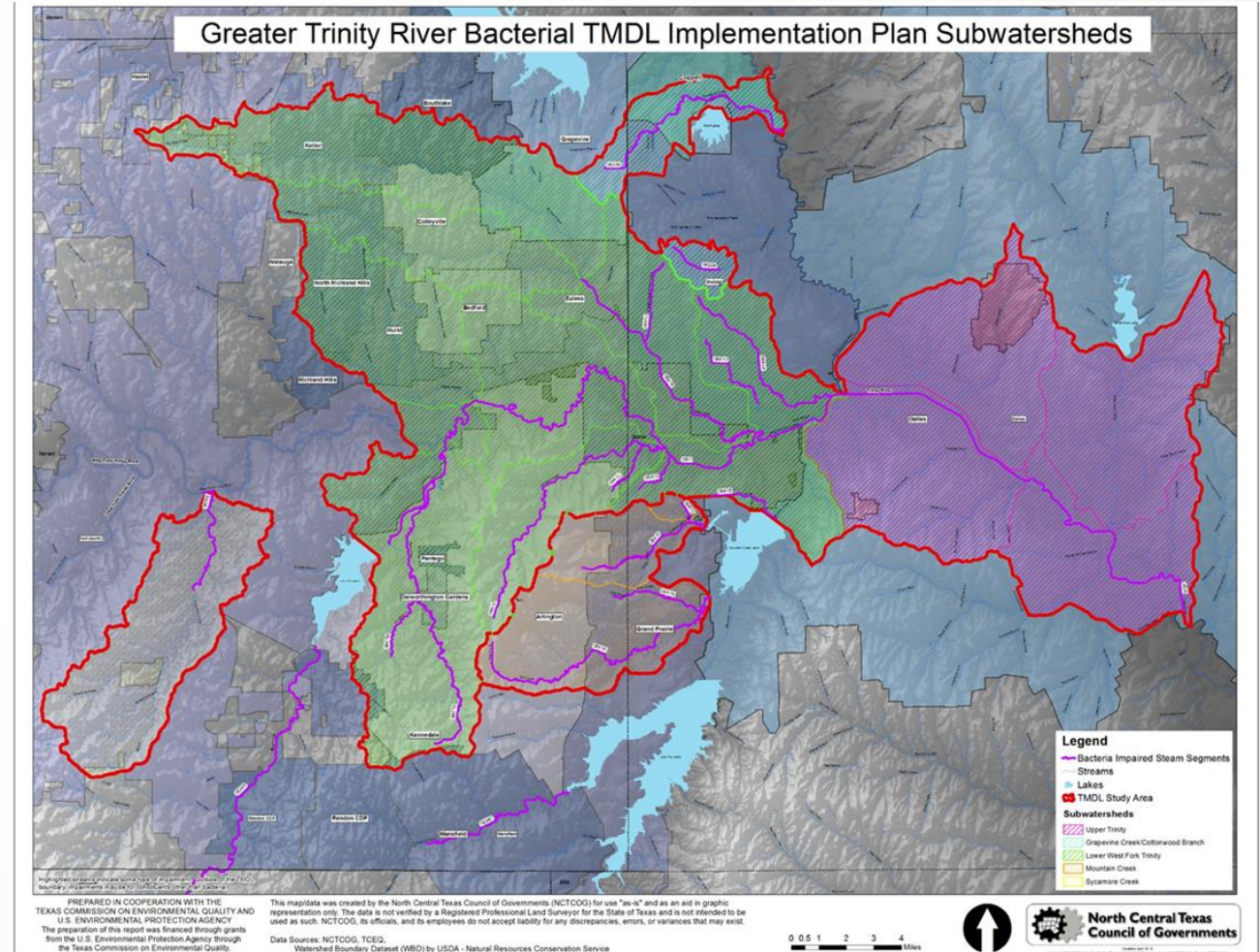


# Bacteria Impairments in the DFW Metroplex

- What does impairment mean?
  - A waterway is not meeting state water quality standards for its designated use.
- What could be causing the impairment?
  - Pet waste,
  - Sanitary sewer overflows,
  - Agricultural practices,
  - Wastewater treatment plants,
  - Illicit discharges,
  - Onsite sewage facilities (septic systems), and
  - Wildlife waste
- What is a total maximum daily load (TMDL)?
  - A budget for a pollutant that a waterway can receive and still safely maintain its designated use.

# Greater Trinity River Bacterial TMDL Implementation Plan Subwatersheds

- Upper Trinity River Segment 0805
- Elm Fork Tributaries of Grapevine Creek and Cottonwood Branch
- Lower West Fork Trinity River Segment 0841 and 11 of its tributaries
- Upstream of Mountain Creek Lake Segments 0841F, 0841K, 0841N, 0841Q, and 0841V
- Sycamore Creek Segment 0806E



# How is NCTCOG working with local governments to address TMDLs?



Approved by the Commission: December 11, 2013  
Approved by the Coordination Committee: July 11, 2012  
Revised by the Coordination Committee: June 13, 2019

## Implementation Plan Twenty-Two Total Maximum Daily Loads for Bacteria in the Greater Trinity River Region

### Upper Trinity River

Segment 0805  
Assessment Units 0805\_03 and 0805\_04

### Cottonwood Branch and Grapevine Creek

Segments 0822A and 0822B  
Assessment Units 0822A\_02 and 0822B\_01

### Lower West Fork Trinity River

Segments 0841, 0841B, 0841C, 0841E, 0841G, 0841H, 0841J, 0841L, 0841M, 0841R, 0841T, and 0841U  
Assessment Units 0841\_01, 0841\_02, 0841B\_01, 0841C\_01, 0841E\_01, 0841G\_01, 0841H\_01, 0841J\_01, 0841L\_01, 0841M\_01, 0841R\_01, 0841T\_01, and 0841U\_01

### Mountain Creek Lake Tributaries

Segments 0841F, 0841K, 0841N, and 0841V  
Assessment Units 0841F\_01, 0841K\_01, 0841N\_01, and 0841V\_01

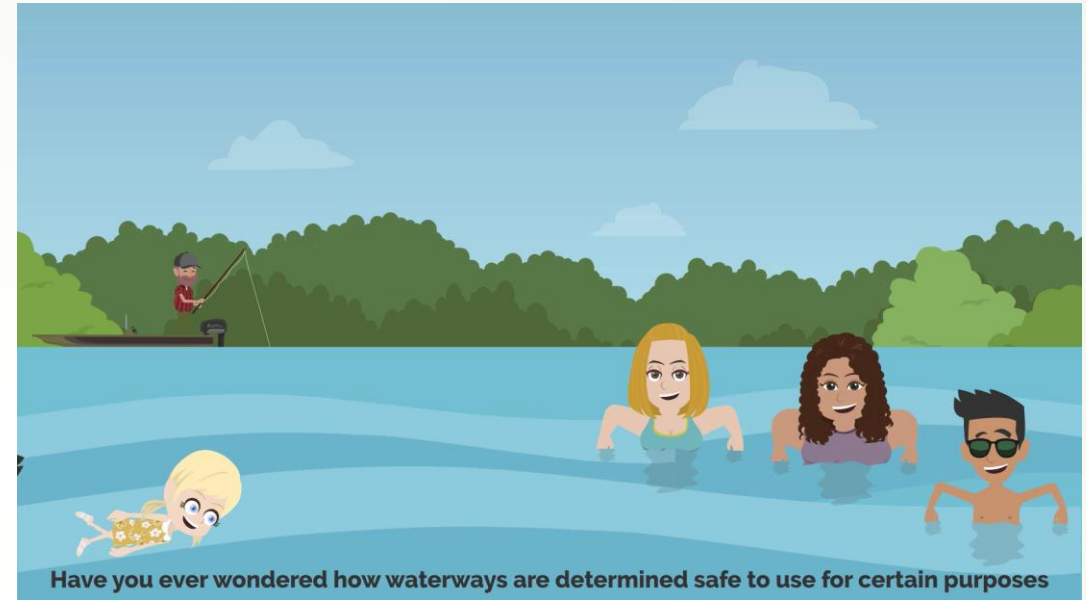
### Sycamore Creek

Segment 0806E  
Assessment Unit 0806E\_01

- Through the Implementation Plan, NCTCOG works with local governments to implement best management practices (BMPs) to reduce the sources of bacteria. The I-Plan includes BMPs for
  - Participation in regional initiatives,
  - Education and outreach,
  - Ordinance, guideline, or management plan adoption, and more!
- This Implementation Plan also guides the projects and workshops selected by the TMDL Coordination Committee.

# Available TMDL Resources

- [Avian Feeding Social Media Toolkit](#)
- [Avian Feeding Signage](#)
- [What is a TMDL? Tri-Fold Brochure](#)
- [What is a TMDL? Educational Explainer Video](#)
- [OSSF Social Media Toolkit](#)
- [OSSF Instructional Guide](#)
- [OSSF Postcard](#)
- [Septic System Maintenance for Homeowners Educational Explainer Video](#)
- [Wastewater Door Hanger for Apartment Complexes](#)
- [Industrial Facilities and TMDLs: What You Need to Know FAQ Document](#)
- Other Activities:
  - Quarterly Newsletters
  - BMP Library
  - Workshops and Webinars



# San Antonio River Authority Water Quality Model

Dr. Sheeba Thomas, Senior Technical Engineer

San Antonio River Authority (SARA)



Questions?



# Upcoming Events and Meetings

- **Regional Stormwater Management Coordinating Council** August 9, 2023 at 9:30 AM, NCTCOG Offices
- **Building Water Resilient Communities in North Texas Webinar** August 15, 2023 at 10:00 AM via Microsoft Teams
- **Upper Trinity River Basin Coordinating Committee** August 23, 2023 at 9:30 AM, NCTCOG Offices
- **Trinity River National Water Trail Task Force** August 29, 2023 at 10:00 AM via Microsoft Teams
- **TMDL Monitoring Coordination Forum Subcommittee** September 21, 2023 at 9:30 AM via Microsoft Teams

# Contact

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