



North Central Texas Council of Governments

AGENDA

Bacterial Source Tracking Webinar

Friday, April 1, 2022

10:00 AM – 12:00 PM, via Microsoft Teams

[Link to Join Meeting](#)

Audio through computer speakers/microphone, or call in at:

+1 (903) 508-4574

Conference ID: 932 278 298#

10:00 AM Welcome and Introductions

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10:05 AM Background on NCTCOG Total Maximum Daily Load (TMDL) Program and Implementation Plan (I-Plan)

Hannah Allen, Environment & Development Planner III, North Central Texas Council of Governments (NCTCOG), will provide information on the NCTCOG TMDL Program, including current activities, available resources, and upcoming meetings.

10:15 AM Use of Bacterial Source Tracking for Characterization of Watersheds.

Dr. Terry Gentry, Professor and Director of the Soil and Aquatic Microbiology, Soil and Crop Sciences Department, Texas A&M University, will present a brief overview of selected methods, discussion of example results, and items to consider when planning a bacterial source tracking project.

10:40 AM Applications of Bacterial Source Tracking (BST) Data in the San Antonio River Basin

Shaun Donovan, Environmental Sciences Department Manager, San Antonio River Authority, will present research conducted on bacterial source tracking conducted in Bexar, Goliad, Karnes, and Wilson County, as well as how this data has been used to inform implementation plans, watershed protection plans and numerous watershed management decisions and recommendations. The results have also helped shift the narrative on bacterial sources and the perceived urban rural divide in water quality, allowing the San Antonio River Authority to work more effectively with landowners to adopt solutions that lead to basin-wide improvements in water quality.



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11:05 AM Using Bacterial Source Tracking to Inform Development of Bacteria Reduction Activities in the Comal River and Dry Comal Creek Watersheds, New Braunfels, TX

Mark Enders, Watershed Program Manager, City of New Braunfels, will discuss bacterial source tracking (BST) analyses that the City of New Braunfels performed in 2013 and 2016 to help define bacteria sources in the Dry Comal Creek and Comal River watersheds and how the BST data was utilized to inform the development of bacteria reduction measures and a Watershed Protection Plan.

11:30 AM Bacterial Source Tracking Study in the Plum Creek Watershed: Implications for Watershed Protection Plans

Dr. Christina Lopez, Watershed Coordinator, Plum Creek Watershed Partnership will present an overview of the major findings of the Bacterial Source Tracking (BST) study in the Plum Creek Watershed along with implications for adaptive management through Plum Creek's Watershed Protection Plan. Additional implications discussed are how the BST study enabled funding mechanisms, altered management measures by creating "focus areas," and informed targeted outreach and education programs.

11:55 AM Closing Remarks

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If you have any questions regarding this workshop or agenda items, please contact Hannah Allen by phone at (817) 685-9215, or by email at hallen@nctcog.org.