Clean Waters Initiative Workshop

Stormwater Programs and Impaired Waters

August 16, 2023



Refreshments sponsored by



Quiddity Engineering, LLC



Today's Agenda

Welcome and Event Kick Off

Recipe for Success! A Joint Stormwater Management Program Story

City of Austin MS4 and TMDL Programs

Collaboration Between Agencies that Assembled a Funding Method to Successfully Abandon Failing Septic Tanks in Underserved Communities

Strategies for MS4 Phase II Compliance

TPDES MS4 Permitting and Impaired Water Bodies

Wrap Up / Lightning Round Questions / Door Prize



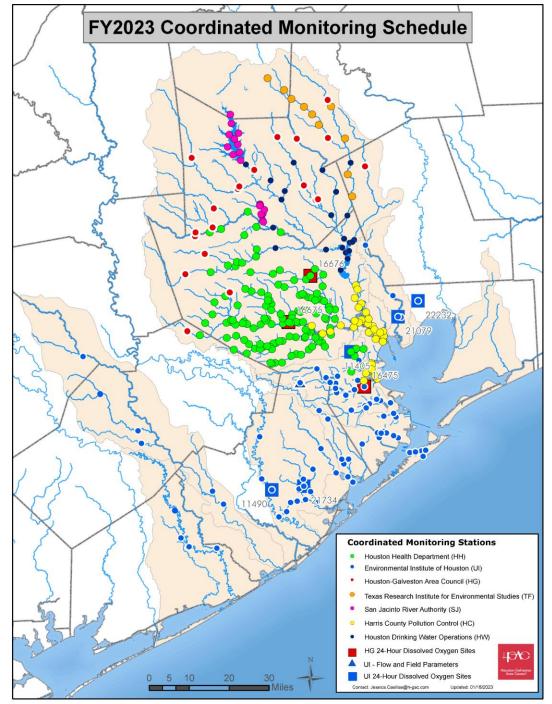
Exploring the Nexus Between Stormwater Programs and Watershed Planning

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Clean Rivers Monitoring Program

- Partners
 - 7 local partners
 - 2 State and Federal Partners
- Numerous Parameters
 - Bacteria
 - Nutrients
 - Dissolved Oxygen
- H-GAC's Water Resources Information Map



Bacteria Impairments and Concerns Not Impaired/Assessed ~~ Concern --- Impaired **Assessment Basins**

Water Quality Impairments

 TCEQ's 2022 Integrated Report for Surface Water Quality

https://www.tceq.texas.gov/waterquality/assessment/22twqi/22txir

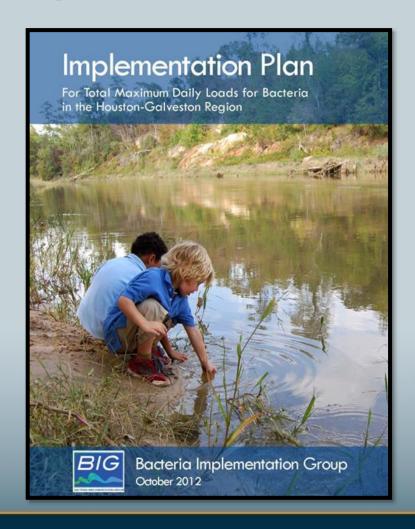


H-GAC Watershed Based Plans Lake Conroe East Fork SJR San Jacinto West Fork Lake Creek WPP Liberty Montgomery Spring Creek WPP Mill Creek Austin Cypress Creek WPP Cotton Bayou Cedar Bayou WPP TMDL/I-Plan **Bacteria Implementation Group** (BIG) TMDL/I-Plan Double Bayou Upper Gulf Coast Upper Oyster Creek TMDL/I-Plan Oyster Waters TMDL/I-Plan Chambers Colorado Fort Bend San Bernard Big Creek River WPP TMDL Wharton Caney Creek/ Linnville Bayou TMDL/I-Plan Matagorda Clear Creek WPP Dickinson Bayou Chocolate WPP and TMDL/I-Plan Bayou Highland/Marchand TMDL/I-Plan Bayou WPP **Oyster Creek** TMDL/I-Plan Bastrop Bayou Halls Bayou WPP TMDL/I-Plan Mustang Bayou TMDL/I-Plan

Watershed-Based Plans



Bacteria Implementation Group

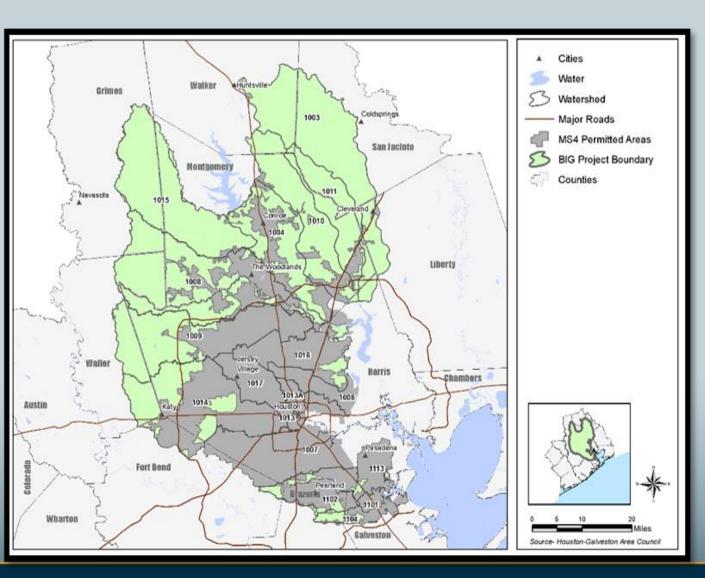


BIG Project - TCEQ Segments Legend Grimes TCEQ Assessment Unit Major Road San Jacinto TCEQ Segment Montgomery County Boundary 1010 Liberty Harris Chambers 1014 **Fort Bend** 1102 Wharton



Source- Houston-Galveston Area Council

Census Designated Urbanized Area



- Area 1,382 sq miles or 42.21% BIG Project Area
- 120+ Municipal Separate
 Storm Sewer System Phase
- Four Phase I

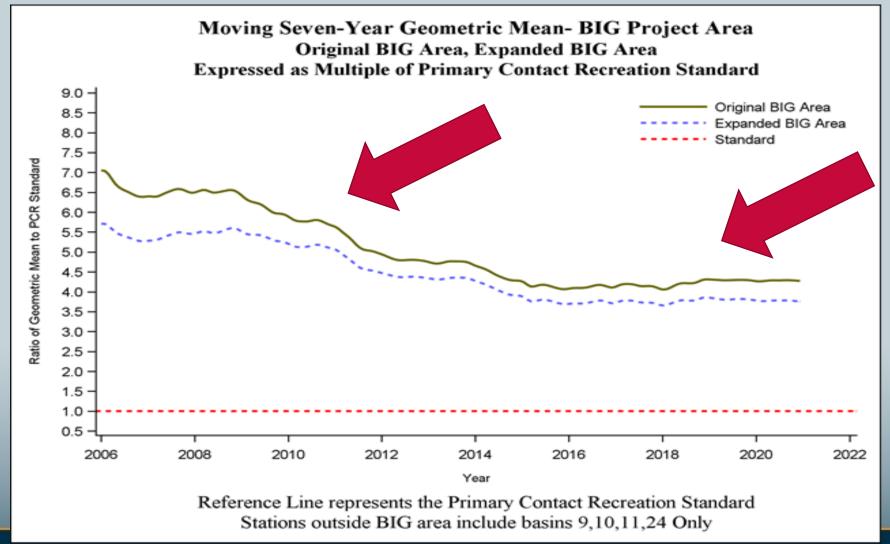


Implementation and Opportunities





BACTERIA TREND IN BIG PROJECT AREA – HOW DO WE MOVE THE NEEDLE?





Are You Ready to Share Your Stories?



- Success breeds success
- What worked?
- What didn't work?

We want to share your success with others!



Enjoy Today's Workshop!

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