

# CANEY CREEK WATERSHED COORDINATION COMMITTEE

May 15, 2018

Steven Johnston



# Meeting Agenda

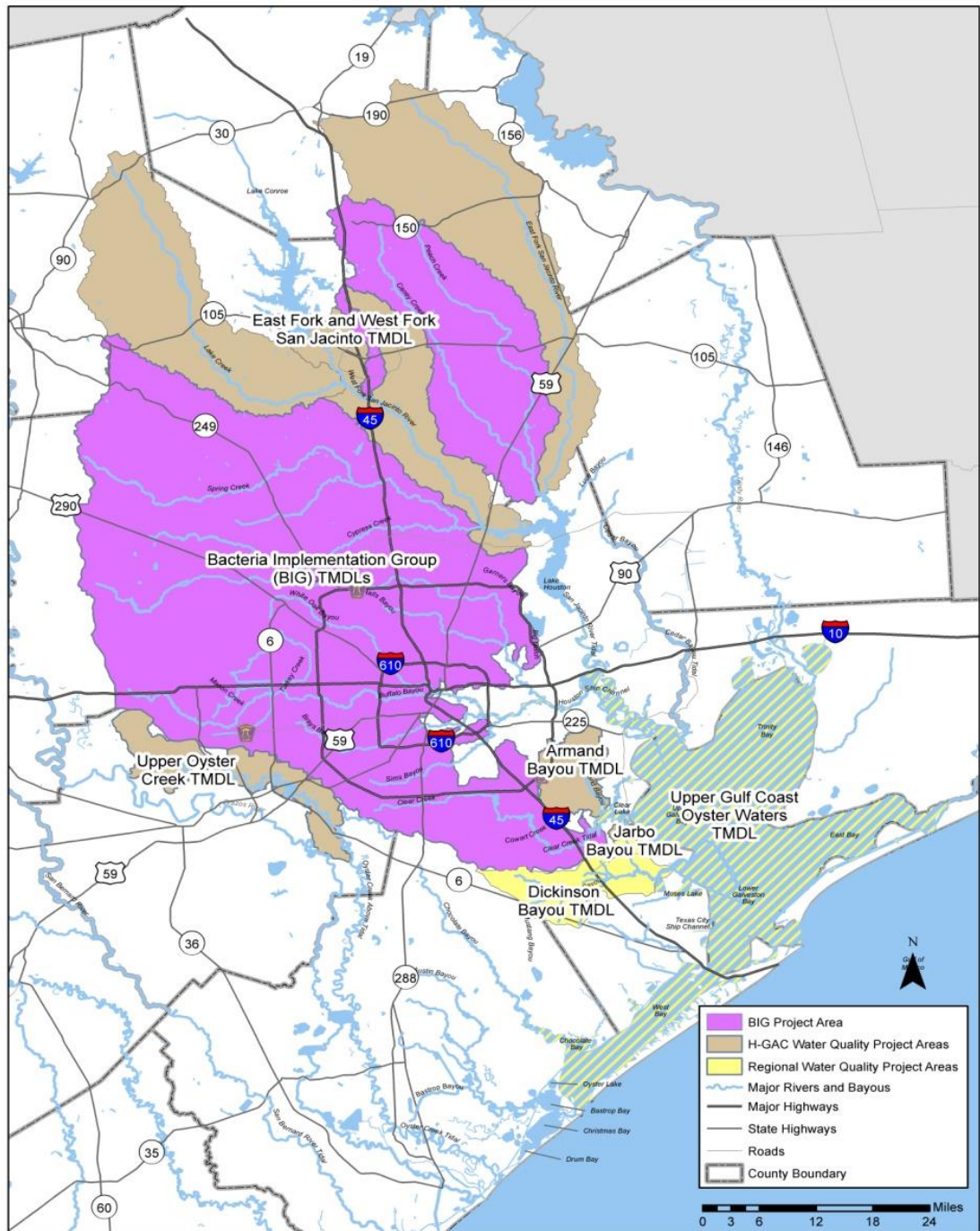
- 10:00 – 10:05 Welcome - Open Meeting
- 10:05 – 10:35 Review Why We Are Here
- 10:35 – 11:05 Coordination Committee Discussion
  - Roles and Responsibilities
  - Finalize Roster (Who is Missing?)
  - Ground Rules
  - Identify Work Groups
- 11:05 – 11:35 Sources of Bacteria Discussion
- 11:35 – 11:45 Wrap Up and Next Steps
- 11:45 – 12:00 Final Q&A / Adjourn

## Why Are We Here?

Caney Creek and Linnville Bayou do not meet the State's Water Quality Standards for Contact Recreation.



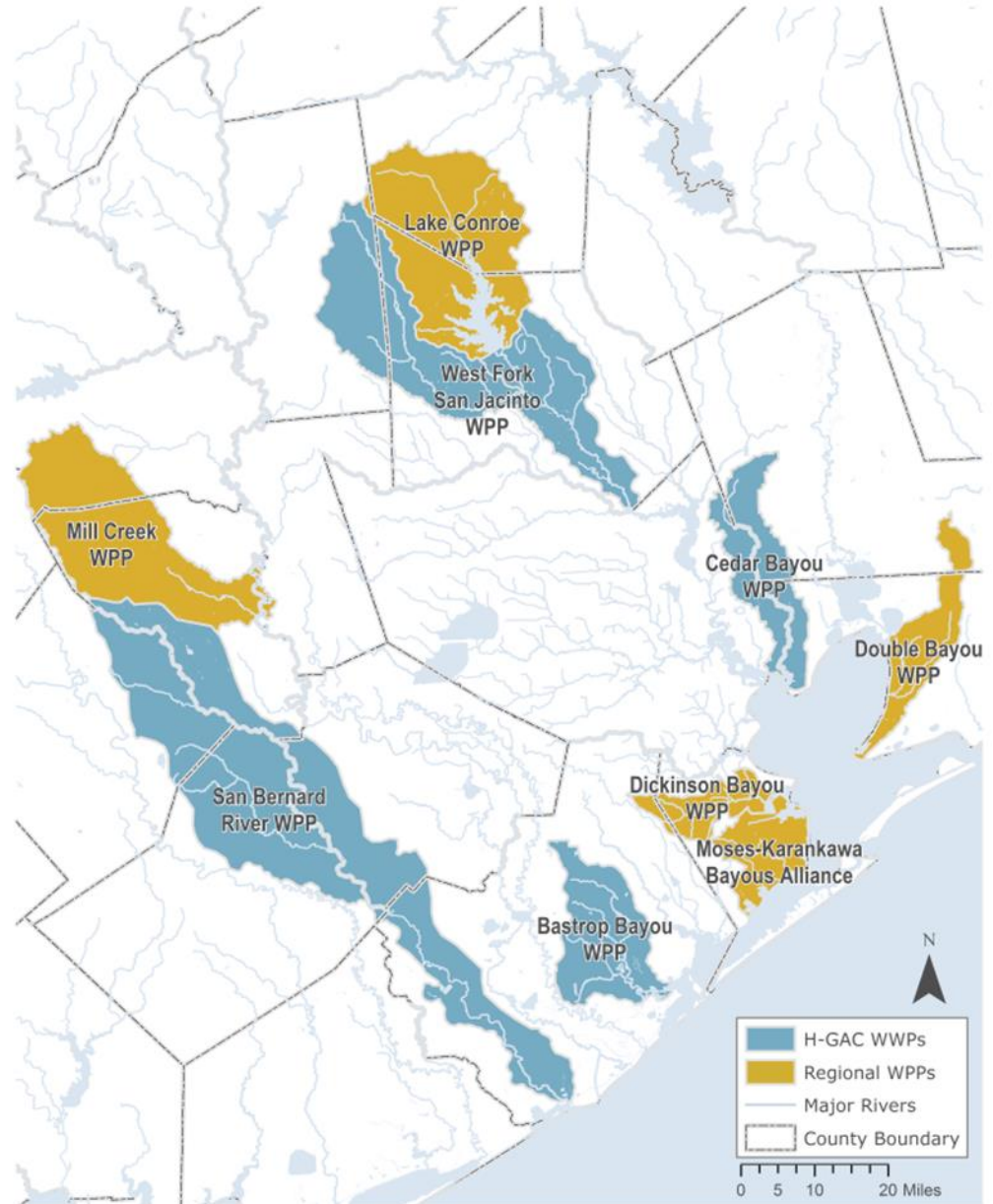
# TMDL Projects





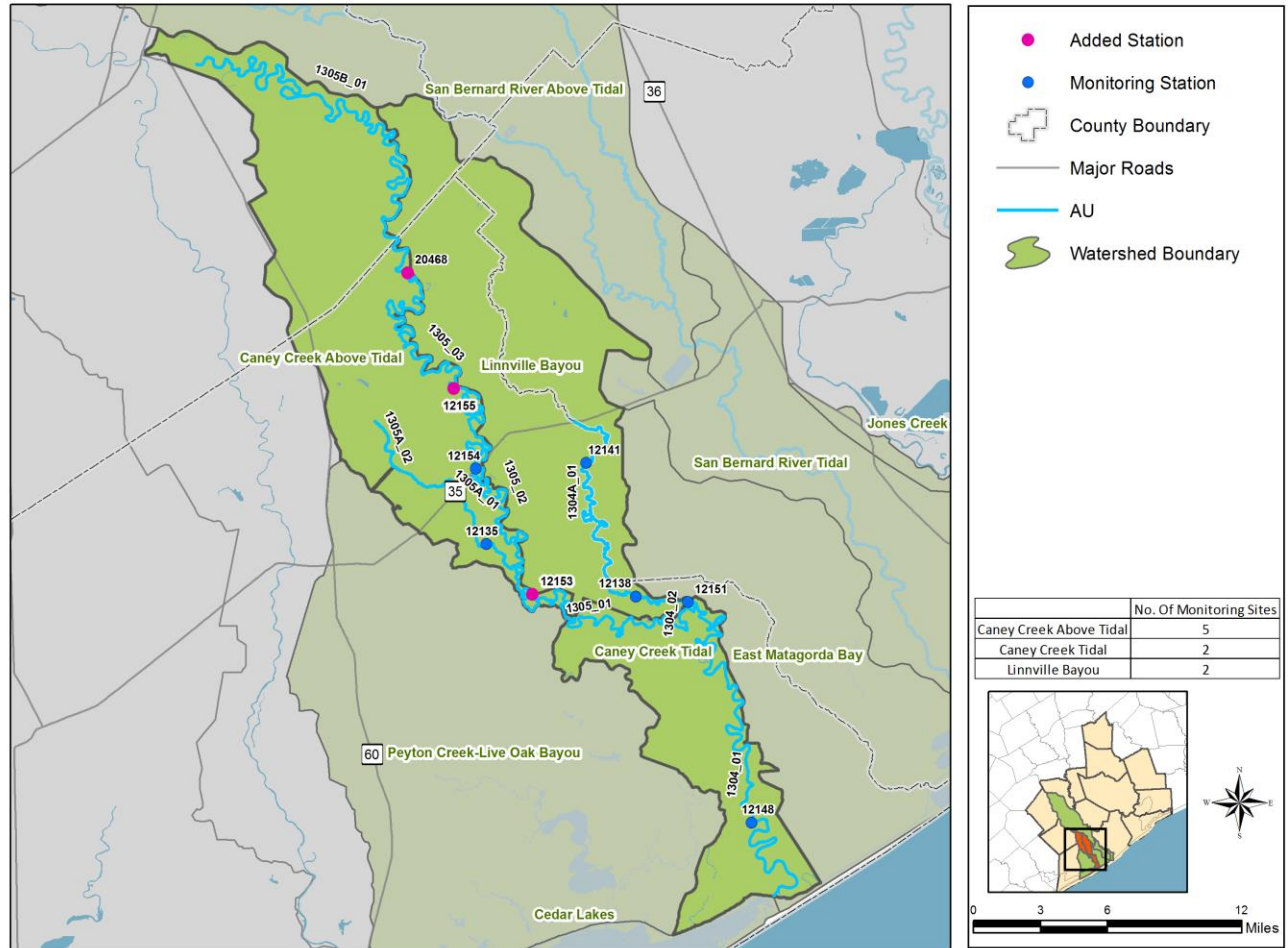
# Regional WPP Projects

## Watershed Protection Plans in the H-GAC Region

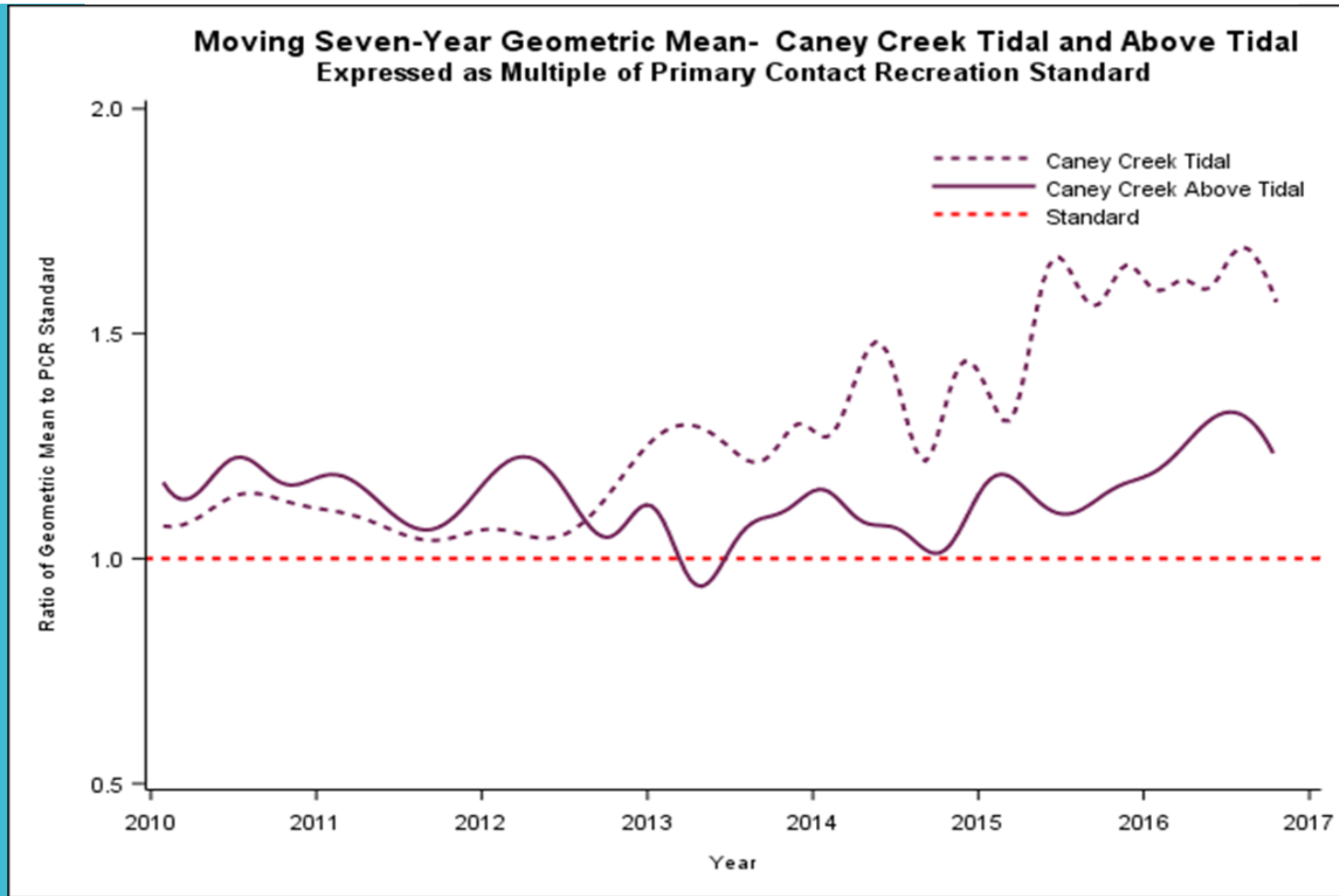


# Caney Creek Special Study

## Caney Creek - Monitoring Site Locations



# Bacteria Trends



Segment	Earliest Data	Most Recent Data	Number of Results	Indicator	Standard (MPN/100 mL)	Geometric Mean (MPN/100 mL)
Caney Creek Above Tidal	1/28/2010	10/13/2016	27	e. coli	126.00	155.5
Caney Creek Tidal	1/28/2010	10/20/2016	36	enterococci	35.00	55.1

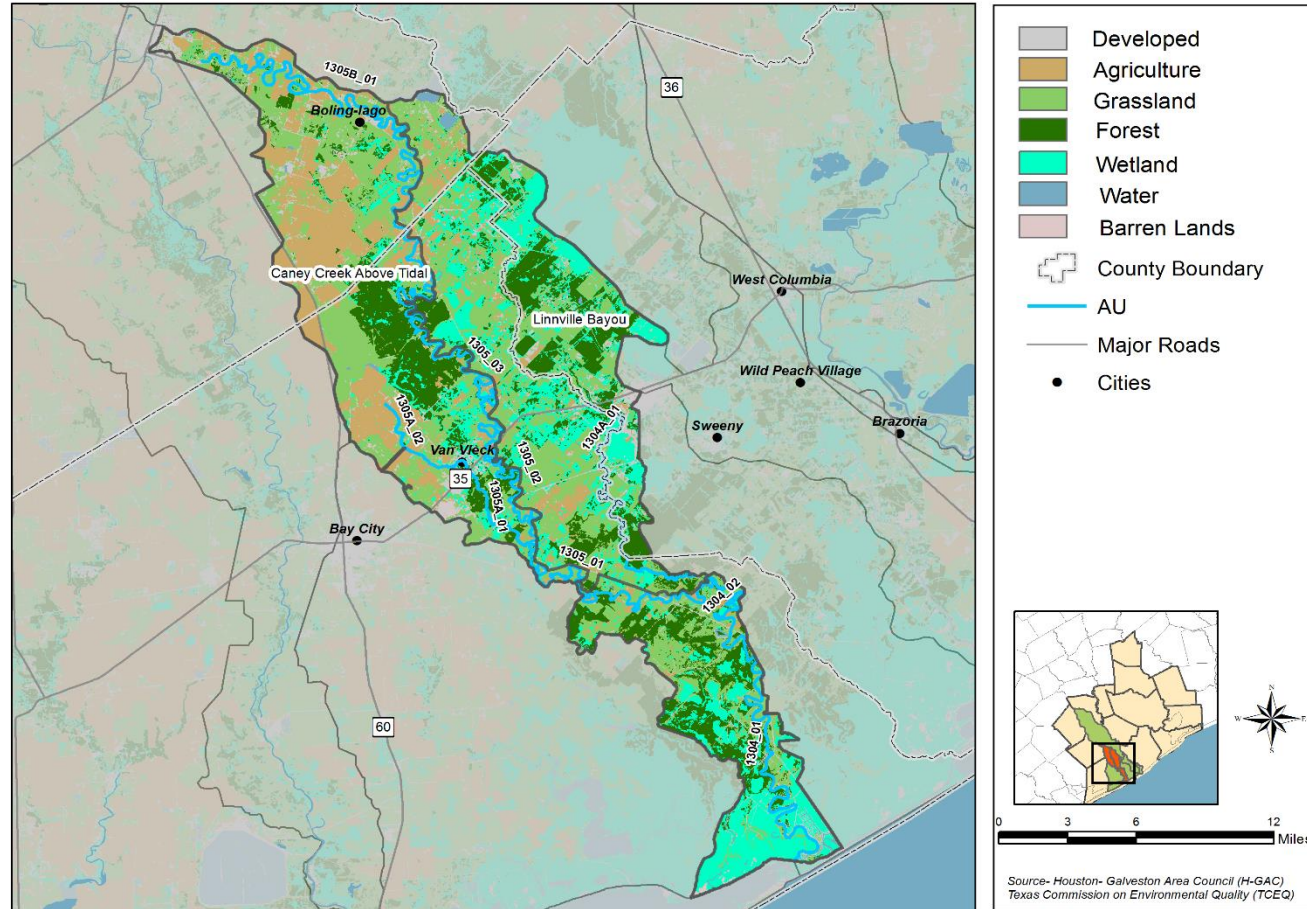
# Basin Data





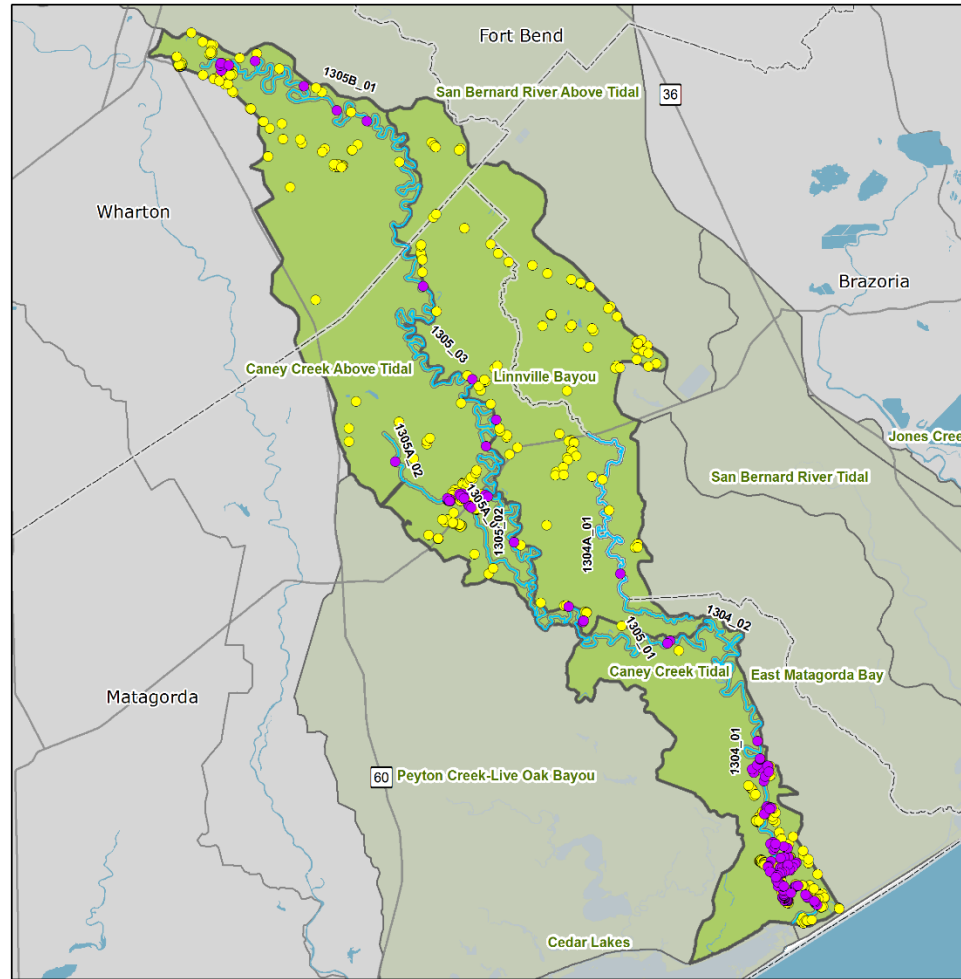
# Caney Creek: Land Cover

## Caney Creek - Land Cover



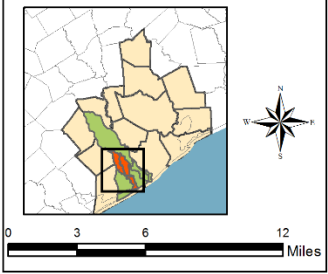
# Caney Creek: OSSF

## Caney Creek - OSSF Permits



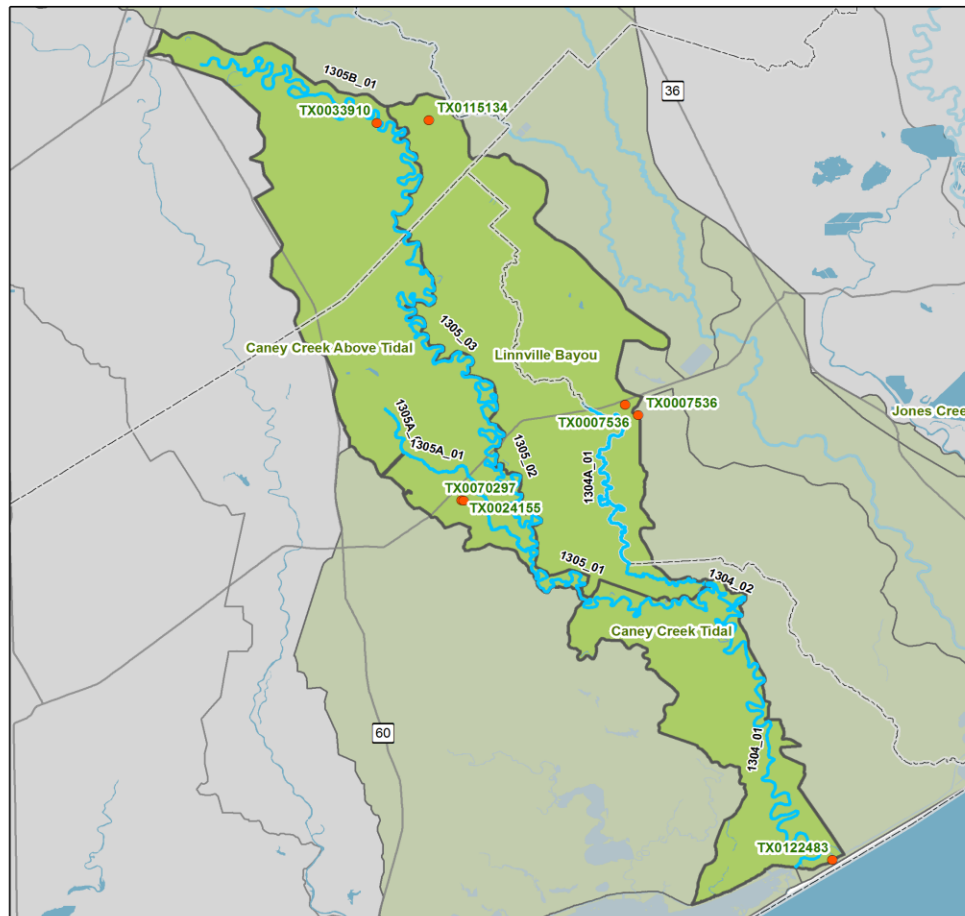
- OSSF Permits Within 500ft Buffer
- OSSF Permits
- AU
- Major Roads
- County Boundary
- Watershed Boundary
- 500ft Buffer

AU ID	OSSF within 500ft Buffer
1304_01	113
1304_02	2
1304A_01	1
1305_01	3
1305_02	3
1305_03	3
1305A_01	30
1305A_02	1
1305B_01	10



# Caney Creek: WWTF Outfalls

## Caney Creek - WWTF



- WWTF Outfalls
- County Boundary
- Major Roads
- AU
- Watershed Boundary

Watershed	WWTF
Caney Creek Above Tidal	3
Caney Creek Tidal	1
Linnville Bayou	3

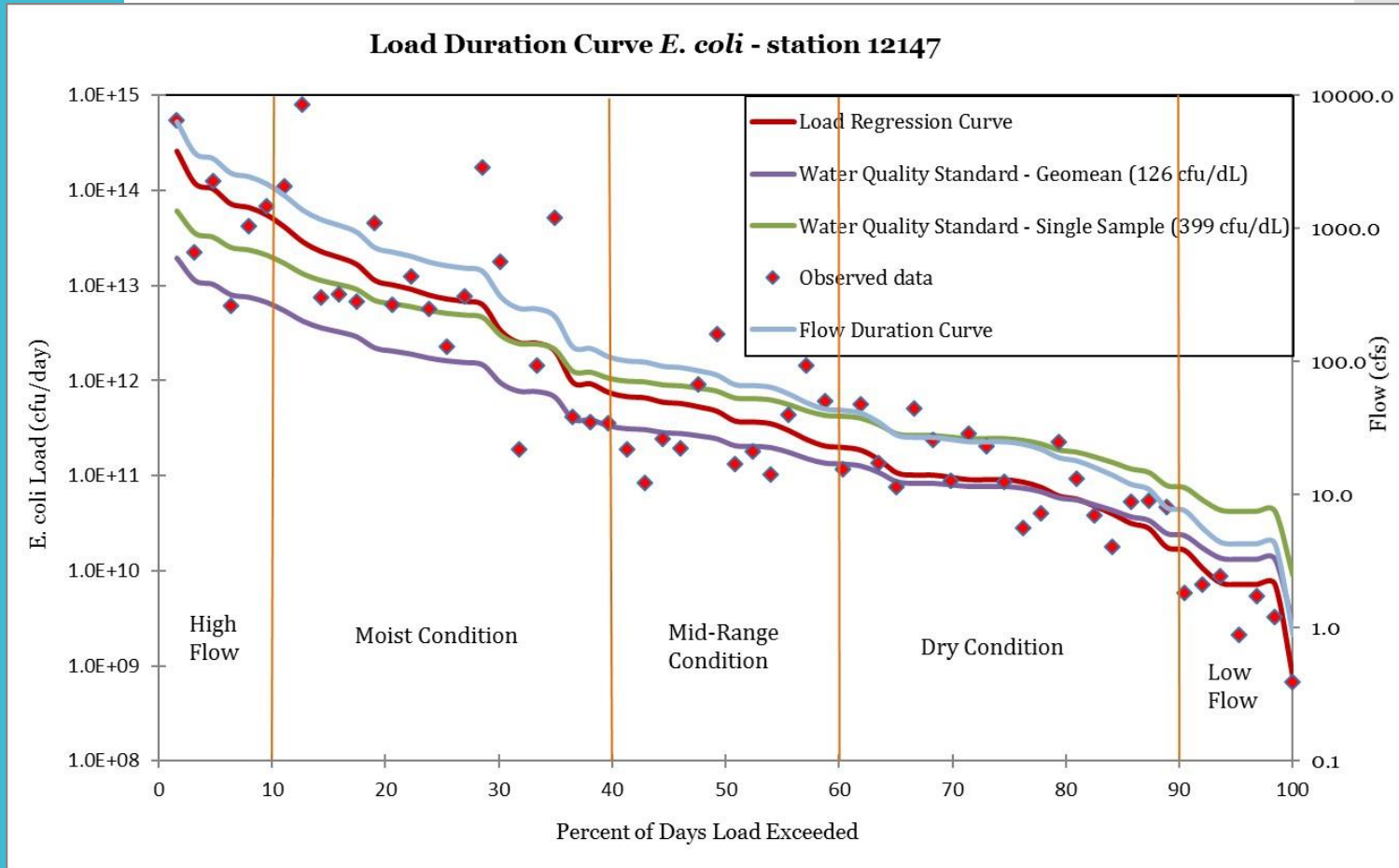
## Other Potential Sources

- Agriculture
- Household Pets
- Feral Hogs
- Other Wildlife





# Load Duration Curves



# TMDL

$$\text{TMDL} = \text{WLA} + \text{LA} + \text{FG} + \text{MOS}$$

Example: Chocolate Bayou TMDL – (Preliminary)

Watershed	Segment	TMDL (Billion MPN/day)	MOS (Billion MPN/day)	WLA <sub>wwtf</sub> (Billion MPN/day)	WLA <sub>sw</sub> (Billion MPN/day)	LA (Billion MPN/day)
Chocolate Bayou Tidal	1107	718.01	21.08	44.72	18.46	633.75
Chocolate Bayou Above Tidal	1108	1,334.80	66.74	142.63	57.96	1,067.47

# What's a Coordination Committee?

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*A proactive group of local and regional stakeholders helping to create and drive content for the TMDL / I-Plan and/or WPP documents.*

# Role of the Coordination Committee

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- Attend Public Meetings
- Participate in Work Groups
- Act as Community Ambassadors
- Provide Input on Priorities for the Watershed
- Identify Appropriate Management Measures
- Provide Input on Documents & Reports



# What are Management Measures?

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*Existing measures are a menu of voluntary strategies stakeholders can use to reduce bacteria levels in Caney Creek.*

# Potential Coordination Committee

<b>Organization</b>	<b>Title</b>	<b>Last Name</b>	<b>First Name</b>
Sargent	Real Estate Agent (?)	Tipps	Muriel
Wharton	City Manager	Garza	Andres
City of Bay City	Director of Public Works	Calhoun	Barry
TSSWCB	Watershed Programs	Koch	Brian
Matagorda County		Krobot	Lisa
Matagorda	Ag. Extension Agent	Balboa	Bill
Brazoria	Ag. Extension Agent	Chase	Jessica
Wharton	Ag. Extension Agent	Bowen	Corrie
Wharton	Property Owner	Kulak	Chris
Wharton	Property Owner	Kulak	Jonathan
Wharton	Property Owner	Kulak	Thomas

# Coordination Committee Decision Process

## FORMAL

- ▶ Establish rules that govern the actions of the committee
  - Adhere to Open Meeting Act Requirements
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## INFORMAL

- ❖ Develop a set of ground rules that will be used to govern the committee
- ❖ Committee members approve ground rules and their use

# Informal Ground Rules

- Speak up
- Disagree respectfully
- Silence is presumed consent
- Listen during discussions
- Respect opinions and don't criticize people
- Be open to new ideas
- Silence cell phones
- Have fun



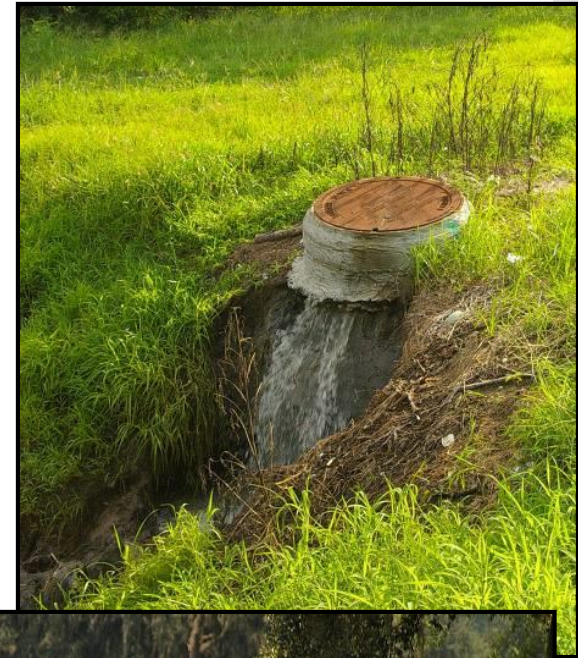


# Developing Work Groups

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## Possible Sources of Bacteria

- Domestic pets (dogs, cats)
- Leaking wastewater infrastructure
- Wildlife (deer, bird, raccoon, etc.)
- Individual homeowner Onsite Sewage Treatment
- Urban lawns and landscaping
- Streets and parking lots
- Agriculture/Pasture
- Number and Types of Permittees



## Suggested Work Group Structure

- Members should provide adequate representation from needed parties
- Have at least 1 work group member be from the Coordination Committee
  - Liaison to Coordination Committee that provides work group updates
- Adhere to same ground rules as Coordination Committee

## Work Group Roles

- Responsible for assisting with the I-Plan review, determining progress, and coming up with recommended implementation strategies to include in the I-Plan
  - Could include barrowing language from existing I-Plans
- Each work group will only focus on work group specific issues
  - Example: Natural Resources group focuses on solutions to agriculture, habitat and wildlife related *E. coli* loading
- Work with project facilitator to draft ideas into work group specific report

# Implementation: Workshops and Training



Texas Stream Team  
Training – Spring 2017

Texas Watershed  
Stewards Training/July  
11, 2017



## Next Steps in the I-Plan Process

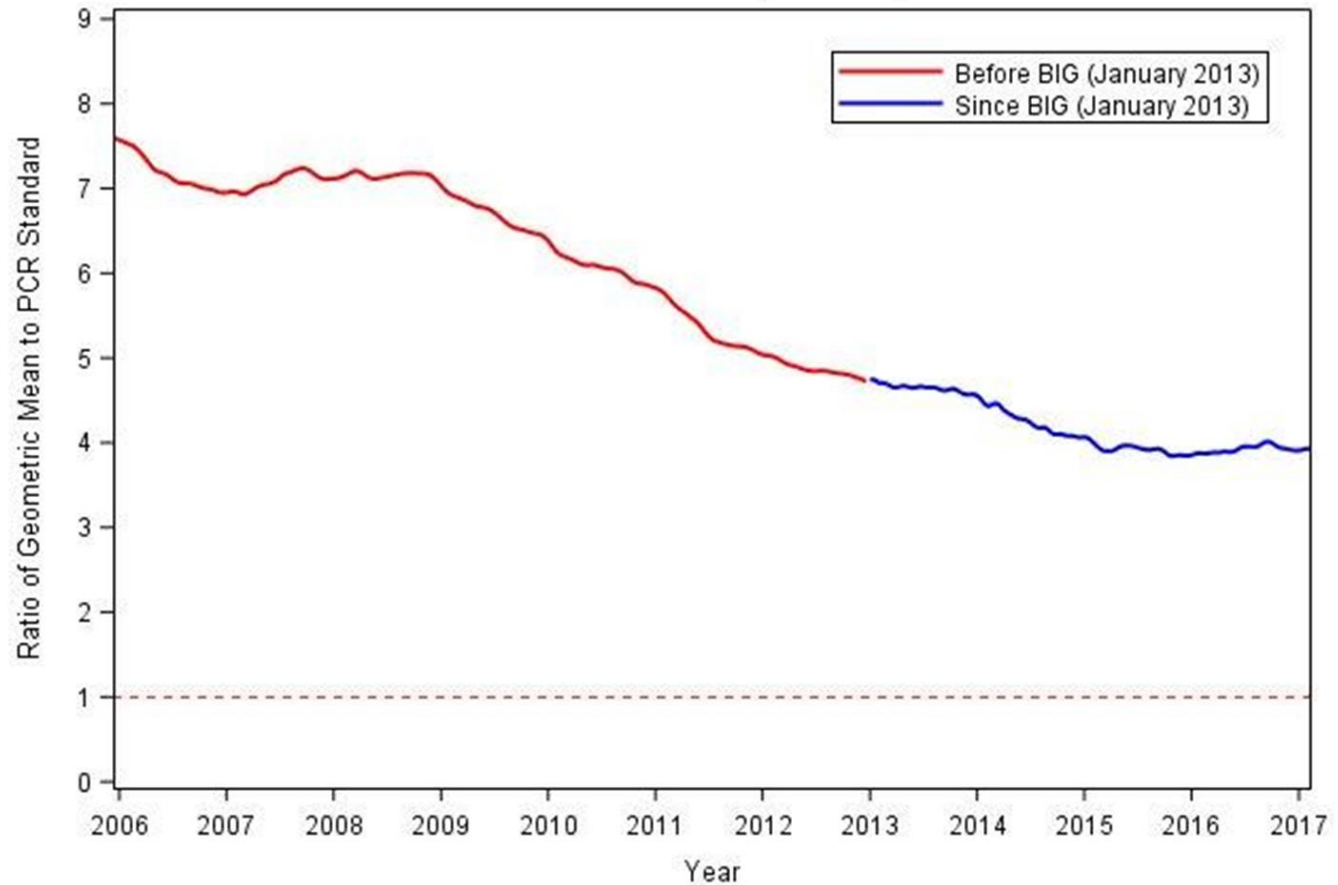
- Work Groups Meet – I-Plan Strategies  
(August 2018)
- CC Meets – Review Strategies  
(September 2018)
- H-GAC Drafts I-Plan  
(October 2018 / December 2018)
- CC Meets –  
(December 2018)
- I-Plan Draft Submitted to TCEQ  
(January 2018)





# Do Watershed Plans Work?

Bacteria Trend in BIG Project Area, 2006-2016



Dotted Red Line represents the Primary Contact Recreation Standard



# Questions?

