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**Houston-Galveston Area Council**

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December 14, 2018

Mr. Jason Leifester (MC 203)  
TMDL Project Manager  
Water Quality Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, Texas 78753

RE: December 2018 Progress Report for Contract 582-18-81222, Work Order 3, Basin 13.

Dear Mr. Leifester:

Enclosed is one (1) copy of the FY 2019 1<sup>st</sup> Progress Report for Contract No. 582-18-81222-03. It covers all deliverable activities for the project period September 1, 2018 through November 30, 2018. Financial Statements, HUB report and Voucher will be submitted separately.

Included in this Report are:

1. One copy of the quarterly progress report for September 1, 2018 thru November 30, 2018.
2. Copies of meeting summaries and other pertinent materials from project related meetings.

We hope you find the quarterly report satisfactory. Any comments you have will be appreciated. If you have any questions, please contact me by phone (713-993-4549) or E-mail (todd.running@h-gac.com).

Sincerely,

Todd Running  
Water Resources Program Manager  
Community & Environmental Planning Dept.

CC Jazmyn Milford  
Chris Loft

TR/srj  
Enclosures



**TMDL Program  
FY 2018 Progress Report #1**

**Date: December 14, 2018**

**Time Period Covered: 09/01/2018 – 11/30/2018**

**Name of Project: Basin Approach to Address Bacterial Impairments in the Brazos – Colorado Coastal Basin (Basin 13)**

**Contract No./Work Order 582-18-81222-03**

**TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Monthly Progress Report	December 15, 2018	Monthly report for Work Order submitted electronically and hard copy on December 24, 2018
Invoice	December 15, 2018	Invoices will be submitted under another cover.
Weekly Reports	Weekly	Provided as an attachment.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Draft meeting materials will be sent to the TCEQ Project Manager at least two weeks prior to distribution for each meeting	A public meeting was held on November 1, 2018. A draft presentation w/agenda was shared with TCEQ 10/26/2018.
Host two, and up to four total, watershed stakeholder meetings (Task 2.2)	As needed	A public meeting was held November 1, 2018.
Summary of meetings (Task 2.3)	Within 2 weeks after meetings	A brief summary was provided with the weekly reports. A formal summary is included with this report.
List of general stakeholders (Task 2.4)	With PRs	A stakeholder list is maintained and updated as needed.
Facilitate delivery of Extension programs (Task 2.5)	As needed	No extension programs provided this quarter.
Public participation/outreach summaries (Task 2)	With PRs	

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work related to this task focused on planning for public meeting #4 which is scheduled for November 1, 2018. This included:

- Updating potential stakeholder contact information
- Drafting a public engagement plan
- Identifying and scheduling a meeting location
- Drafting meeting announcement and press release
- Emailing meeting announcement and press release and follow-up
- Creating the meeting agenda and presentation

Seven Stakeholders were in attendance. Six of the stakeholders were from Sargent. H-GAC provided a presentation that covered Caney Creek water quality impairments, bacteria sources, load duration curves, TMDL load allocations, and types of watershed-based plans. The attendees discussed what this means to them, opportunities to participate in development of a watershed-based plan, identify management measures, and current implementation underway. Staff invited attendees to participate in the Caney Creek coordination committee. Attendees also discussed the need to attract a broad group of individuals and organizations to participate. Attendees were then provided a presentation by H-GAC on the Coastal Communities project which seeks to encourage the implementing nonpoint source outreach and information by non-municipal separate storm sewer systems.

**TASK #3 EXISTING DATA QAPP MAINTENANCE**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP annual update (Task 3.1)	30 days after issuance of Notice to Proceed	Annual update for FY2018 submitted to TCEQ in September.
QAPP amendments (Task 3.2)	As needed	None were needed.
QAPP CARs (Task 3.3)	As needed	No CARs were needed.
Quality assurance audits (Task 3.4)	Will participate as needed	An audit was not performed this quarter.

**Work Performed This Period**

Acquired Data QAPP update was submitted in September for TCEQ approval. Update was approved and executed in October.

**TASK #4 TMDL AND DEVELOPMENT OF SPECIFIC KEY ELEMENTS OF A WPP FOR THE CANEY CREEK WATERSHED**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft TMDL (Task 4.1)	June 30, 2017	No progress to report.
Work Group Meetings (Task 4.2)	As needed.	No progress to report.
Final TMDL Document with WPP Elements (Task 4.3)	Two weeks after receipt of TCEQ comments	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Task #4 will begin in the 2<sup>nd</sup> quarter. Executing Task #4 will begin by hosting coordination committee meetings which will decide whether to complete an I-Plan or WPPs and identify best management practices and implementing partners. The meetings will start in late January 2019.

**TASK #5 COORDINATE WITH TEXAS STREAM TEAM PROGRAM**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 5.1)	Provide summaries with PRs	No progress to report.
Target volunteer efforts (Task 5.2)	Provide summaries with PRs	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

No work was performed for this task during the quarter.

**PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS**

- 1) Presentations:
  - a. No presentations given during this quarter related to Basin 13 or Caney Creek.
- 2) Meetings, Events and Conferences:
  - a. No meetings or events attended related to Caney Creek.
- 3) Associated Implementation Projects and Programs
  - a. H-GAC’s OSSF SEP is gaining momentum. Two repair/replace projects are planned for Matagorda County, one is within the Caney Creek watershed.

**BRIEF DESCRIPTION OF OVERALL FINDINGS:**

Work carried out during this quarter focused on the setting up the fourth public meeting. H-GAC worked to expand the outreach to different groups in the Caney Creek watershed. This resulted in attracting the attention of the Caney Creek Estates HOA in Sargent. H-GAC will continue to reach out to watershed stakeholders as the stakeholder effort to build support for a watershed-based plan commences. The planning process will begin in January 2019.

**Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):**

No problems were encountered this quarter.



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Tuesday, October 2, 2018 10:09 AM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** Jazmyn Milford; Chris Loft  
**Subject:** RE: FY 19 WO #3 Weekly Reports (Sept 3 - Sept 7; Sept 10 - Sept 14; Sept 17 - Sept 21; and Sept 24 - Sept 28)

Good Morning, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. I will be providing these separately to make it easier to follow and perhaps easier to update. Please let me know if you have any questions.

### Sept. 3 – Sept. 7<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000

#### Task 2 Public Education and Outreach Activities

- Staff discussed internally the project timeline and meeting schedule.

#### Task 3 Quality Assurance

- Submitted QAPP annual update

#### Task 4 TMDL Development and Key Elements of a WPP

- Completed Caney Creek TSD, submitted to TCEQ PM.

#### Task 5 Coordinate with the Texas Stream Team Program

- No activities to report

### Sept. 10 – Sept. 14<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000

#### Task 2 Public Education and Outreach Activities

- Working to select a public meeting date.
- Working to identify a meeting space

#### Task 3 Quality Assurance

- No activities to report

#### Task 4 TMDL Development and Key Elements of a WPP

- TSD was approved

**Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

Sept. 17 – Sept. 21<sup>st</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000

**Task 2** Public Education and Outreach Activities

- Selected a potential meeting date – 4:00 PM – 6:00 PM, November 1, 2018
- Scheduling a meeting location

**Task 3** Quality Assurance

- No activities

**Task 4** TMDL Development and Key Elements of a WPP

- Completed Caney Creek TSD
- Scheduling FY19 first public meeting

**Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

Sept. 24 – Sept. 28<sup>th</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000

**Task 2** Public Education and Outreach Activities

- FY19 first public stakeholder meeting set for Nov. 1, 2018. 4-6:00 PM at the Bay City Civic Center, 207 7th Street, Bay City.
- Outreach
  - First round of stakeholder email meeting notifications
  - Placed announcement in H-GAC newsletters
  - Written letters to permit holders
  - Updated website

**Task 3** Quality Assurance

- Submitted QAPP annual update

**Task 4** TMDL Development and Key Elements of a WPP

- Completed Caney Creek TSD
- Scheduling FY19 first public stakeholder meeting

**Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

Steven Johnston  
Senior Planner  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Sunday, October 14, 2018 5:55 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Reports (Oct 1 - Oct 5 and Oct 8 - Oct 12)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### Oct. 1<sup>st</sup> – Oct. 5<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000

#### Task 2 Public Education and Outreach Activities

- FY19 first public stakeholder meeting set for Nov. 1, 2018. 4-6:00 PM at the Bay City Civic Center, 207 7th Street, Bay City.
- Outreach
  - 2<sup>nd</sup> round of stakeholder email meeting notifications went out.
  - Placed announcement in H-GAC newsletters
  - Received some positive interest from Phillip 66 in Sweeny and a home owner association located near Sargent.

#### Task 3 Quality Assurance

- Received minor comments to QAPP annual update, began to address.

#### Task 4 TMDL Development and Key Elements of a WPP

- Completed Caney Creek TSD
- Scheduling FY19 first public stakeholder meeting

#### Task 5 Coordinate with the Texas Stream Team Program

- No activities to report

### Oct. 8<sup>st</sup> – Oct. 12<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000

#### Task 2 Public Education and Outreach Activities

- FY19 first public stakeholder meeting set for Nov. 1, 2018. 4-6:00 PM at the Bay City Civic Center, 207 7th Street, Bay City.
- Outreach
  - No updates.

**Task 3 Quality Assurance**

- Resubmitted with signatures the QAPP annual update

**Task 4 TMDL Development and Key Elements of a WPP**

- Scheduling FY19 first public stakeholder meeting

**Task 5 Coordinate with the Texas Stream Team Program**

- No activities to report

Steven Johnston

Senior Planner

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## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Friday, October 26, 2018 3:25 PM  
**To:** 'Jason Leifester (Jason.leifester@tceq.texas.gov)'  
**Cc:** 'Jazmyn Milford'; 'Chris Loft'  
**Subject:** FY 19 WO #3 Weekly Report (Oct 15 - Oct 19)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Oct. 15<sup>st</sup> – Oct. 19<sup>th</sup>:

### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date ():** \$ **Remaining Budget Amount:** \$120,000
- Will update financial numbers with the next report

### **Task 2** Public Education and Outreach Activities

- FY19 first public stakeholder meeting set for Nov. 1, 2018. 4-6:00 PM at the Bay City Civic Center, 207 7th Street, Bay City.
- Outreach
  - Sent out meeting reminders via email
  - Received feedback/interest from Phillip66, HOA (Sargent Area), City of Bay City

### **Task 3** Quality Assurance

- QAPP annual update approved, sent final document link to staff.

### **Task 4** TMDL Development and Key Elements of a WPP

- Scheduling FY19 first public stakeholder meeting

### **Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Monday, October 29, 2018 4:11 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Oct 22 - Oct 26)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Oct. 22<sup>nd</sup> – Oct. 26<sup>th</sup>:

### **Task 1** Project Administration

- ***Anticipate Spend Down August 2019?:*** Yes.
- ***Is spending by categories going as expected?:*** Yes at this time.
- ***Last Invoice:*** N/A.
- ***Original Budget Amount:*** \$120,000
- ***Total Spent to Date (4,546.89):*** \$ ***Remaining Budget Amount:*** \$115,453.11

### **Task 2** Public Education and Outreach Activities

- FY19 first public stakeholder meeting set for Nov. 1, 2018. 4-6:00 PM at the Bay City Civic Center, 207 7th Street, Bay City.
- Outreach
  - Prepared presentation. Provided presentation with meeting agenda to TCEQ PM.

### **Task 3** Quality Assurance

- No update.

### **Task 4** TMDL Development and Key Elements of a WPP

- Scheduling FY19 first public stakeholder meeting.

### **Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

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## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Tuesday, November 6, 2018 5:10 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** RE: FY 19 WO #3 Weekly Report (Oct 29 - Nov 2)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Oct. 29<sup>th</sup> – Nov. 2<sup>nd</sup>:

### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Sept. 30, 2018):** \$4,546.89 **Remaining Budget Amount:** \$115,453.11

### **Task 2** Public Education and Outreach Activities

- FY19 first public stakeholder meeting was held Nov. 1, 2018, 4-6:00 PM at the Bay City Civic Center, 207 7th Street, Bay City.
- Outreach
  - Seven Stakeholders were in attendance. Six of the stakeholders were from Sargent. H-GAC provided a presentation that covered Caney Creek water quality impairments, bacteria sources, load duration curves, TMDL load allocations, and types of watershed based plans. The attendees discussed what this means to them, opportunities to participate in development of a watershed based plan, identify management measures, and current implementation underway.

### **Task 3** Quality Assurance

- No update.

### **Task 4** TMDL Development and Key Elements of a WPP

- First public stakeholder meeting was held. H-GAC will follow up with those present at the meeting and encourage additional stakeholders to attend the second coordination committee meeting. The coordination committee meeting will likely take place in January. The focus of this meeting will be to determine the type of watershed based plan and begin identifying management measures.

### **Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

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## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Monday, November 12, 2018 4:45 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Nov 5 - Nov 9)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Nov. 5<sup>th</sup> – Nov. 9<sup>th</sup>:

### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Sept. 30, 2018):** \$4,546.89 **Remaining Budget Amount:** \$115,453.11
- Will update with next report.

### **Task 2** Public Education and Outreach Activities

- Beginning to plan for second coordination committee meeting.

### **Task 3** Quality Assurance

- No update.

### **Task 4** TMDL Development and Key Elements of a WPP

- First public stakeholder meeting was held. H-GAC will follow up with those present at the meeting and encourage additional stakeholders to attend the second coordination committee meeting. The coordination committee meeting will likely take place in January. The focus of this meeting will be to determine the type of watershed based plan and begin identifying management measures.

### **Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Wednesday, November 28, 2018 5:35 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Nov 12 - Nov 16)

Good Evening, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Nov. 12<sup>th</sup> – Nov. 16<sup>th</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Oct. 31, 2018):** \$7,772.57 **Remaining Budget Amount:** \$112,227.43

**Task 2** Public Education and Outreach Activities

- Beginning to plan for second coordination committee meeting.

**Task 3** Quality Assurance

- No update.

**Task 4** TMDL Development and Key Elements of a WPP

- No update.

**Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

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## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Wednesday, November 28, 2018 6:07 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Nov 19 - Nov 23)

Good Evening, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Nov. 19<sup>th</sup> – Nov. 23<sup>rd</sup>: (Please note, there are no changes from the previous report. Staff were out this week)

### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Oct. 31, 2018):** \$7,772.57 **Remaining Budget Amount:** \$112,227.43

### **Task 2** Public Education and Outreach Activities

- Beginning to plan for second coordination committee meeting.

### **Task 3** Quality Assurance

- No update.

### **Task 4** TMDL Development and Key Elements of a WPP

- No update.

### **Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

Steven Johnston  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, December 12, 2018 5:06 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Reports (Nov 26 - Nov 30) and (Dec 3 - Dec 7)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Nov. 26<sup>th</sup> – Nov. 30<sup>th</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Oct. 31, 2018):** \$7,772.57 **Remaining Budget Amount:** \$112,227.43

**Task 2** Public Education and Outreach Activities

- Staff will be meeting in December to develop CC meeting schedule and review stakeholder list. Anticipate meeting date late January for second meeting.

**Task 3** Quality Assurance

- No update.

**Task 4** TMDL Development and Key Elements of a WPP

- No update.

**Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

Dec. 3<sup>rd</sup> – Dec. 7<sup>th</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Nov. 30, 2018):** \$12,302.66 **Remaining Budget Amount:** \$107,697.34

**Task 2** Public Education and Outreach Activities

- Staff met to develop CC meeting schedule and review stakeholder list. Looking at dates in late January for second meeting.

**Task 3** Quality Assurance

- No update.

**Task 4** TMDL Development and Key Elements of a WPP

- Beginning to pull information together for the first CC meeting.

**Task 5 Coordinate with the Texas Stream Team Program**

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Steven Johnston

Senior Planner

Community & Environmental Department | Houston-Galveston Area Council

3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)

832.681.2579 | 713.627.3200 | fax: 713.993.4503

[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)

<http://h-gac.com/community/water/tmdl/big/default.aspx>



# **Brazos – Colorado Coastal Basin: Draft Public Outreach Report**

## **Public Meeting 4**

November 1, 2018

### **TABLE OF CONTENTS**

<b>I.</b>	<b>OVERVIEW</b>	<b>2</b>
<b>II.</b>	<b>PURPOSE</b>	<b>2</b>
<b>III.</b>	<b>APPROACH</b>	<b>3</b>
<b>IV.</b>	<b>NOTIFICATION</b>	<b>3</b>
<b>V.</b>	<b>MATERIALS</b>	<b>3</b>
<b>VI.</b>	<b>MEETING SYNOPSIS</b>	<b>3</b>
<b>VII.</b>	<b>NEXT MEETING</b>	<b>5</b>



**I. OVERVIEW**

Per Umbrella Contract 582-18-81222-03, the Texas Commission on Environmental Quality (TCEQ) requested Public Outreach support from the Houston-Galveston Area Council (H-GAC) for Basin 13, with activities for all elements of Public Outreach including, but not necessarily limited to:

- Identifying and Reserving Facilities for Meetings and / or Events;
- Providing a Facilitator for Any Meetings (As Needed);
- Providing Support for Organizing and Advertising Meetings and / or Events;
- Distribution and Posting of Meeting Agenda(s);
- Preparation of Meeting and / or Event Summaries;
- Preparation of Printed or Other Presentation Materials in Support of a Meeting and / or Event;
- Use of the H-GAC Website for Posting Meeting and / or Event Information; and
- Any Other Necessary Support Activities.

On November 1, 2018 (Public Meeting #4), H-GAC conducted a fourth public meeting to review the State's Basin Approach, general information on basin water quality, and current watershed planning in the basin. The focus of the meeting was to review Caney Creek water quality data; information contained in the draft Technical Support Document, including load duration curves and TMDL calculations; initiated development of the Caney Creek coordination committee and discussed next steps.

**II. PURPOSE**

The water bodies included in this analysis are all within Basin 13, which originates in Austin and Colorado Counties, transverses Fort Bend, Wharton, Brazoria and Matagorda Counties before entering the Gulf of Mexico by way of the Gulf Coast Intracoastal Waterway, East Matagorda Bay and sometimes directly via the San Bernard River.

The Purpose of this public meeting was to discuss the following:

1. Review the purpose of the Basin Approach,
2. Present water quality management opportunities,



3. Review general conditions of water bodies in the basin,
4. Review Caney Creek water quality, load duration curves, and TMDL information,
5. Recruit for the Caney Creek Coordination Committee, and
6. Introduce the Coastal Communities Implementation Project.

**III. APPROACH and NOTIFICATION**

A list of stakeholders and interested parties was generated based on a survey initiated in FY 2016. The list has since been augmented following three previous public meetings, efforts to contact organizations and interest groups and private individuals. Identified stakeholders were then contacted directly via e-mail, phone and/or letter to notify them of the planned public meeting. Additionally, a broad net was cast via email and press release to a larger set of stakeholders and public to announce the public meeting. Announcement was placed on the H-GAC website. Additional meeting details; and meeting reminders were sent to the identified list of stakeholders.

**IV. MATERIALS**

The following materials were made available for the meeting:

1. Sign-In Sheet(s)
2. Watershed Map / BIG Map
3. Meeting Presentation

**V. MEETING SYNOPSIS**

*Location*  
Bay City Civic Center  
207 7<sup>th</sup> St.  
Bay City, TX

*When*  
Thursday, November 1, 2018  
4 PM – 6 PM



**Attendees**

NAME	ORGANIZATION REPRESENTED	ASSUMED COUNTY?
Alan Fuller	Caney Creek Estates HOA	Matagorda
Lucia Fuller	Caney Creek Estates HOA	Matagorda
Jim Powell	Caney Creek Estates HOA	Matagorda
Edward Stavinoha	Caney Creek Estates HOA	Matagorda
Linda Felder	Caney Creek Estates HOA	Matagorda
Ed Smith	East Matagorda Foundation	Matagorda
Brian Koch	TSSWCB	Walker
Jason Leifester	TCEQ	Travis

**To view the sign-in sheet in its entirety, please see Attachment A.**

**Meeting Summary**

Mr. Steven Johnston from H-GAC provided a presentation that included an agenda, reviewed the Basin Approach, status of water quality found in the basin, current bacteria impairments, and water quality management planning options. Mr. Johnston focused his presentation on data specific to the Caney Creek watershed and information contained in the draft Caney Creek Technical Support Document. This included a review of load durations curves and presentation of TMDL calculations. Mr. Johnston invited attendees to participate in the Caney Creek coordination committee. He also discussed the need to attract a broad group of individuals and organizations to participate. Attendees were then provided a presentation by Ms. Becki Begley (H-GAC) on the Coastal Communities project implementing nonpoint source outreach and information to non-municipal separate storm sewer systems.

**VI. NEXT MEETING**

To Be Determined.





# CANEY CREEK WATERSHED TMDL PROJECT

November 1, 2018  
Steven Johnston




## Meeting Agenda


- \* 4:00 – 4:05 Welcome – Open Meeting
- \* 4:05 – 4:50 Review Caney Creek Project Results
- \* 4:50 – 5:10 Forming a Coordination Committee – Discussion
- \* 5:10 – 5:20 Wrap Up and Next Steps
- \* 5:20 – 5:40 Coastal Communities Project
- \* 5:40 – 6:00 Open Q&A / Adjourn

## Why Are We Here?

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

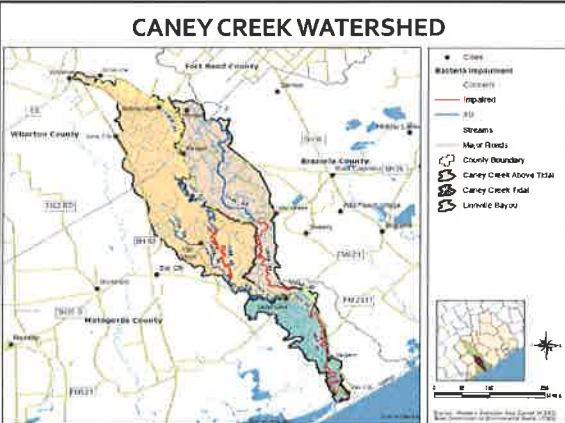


## Watershed Based Plans



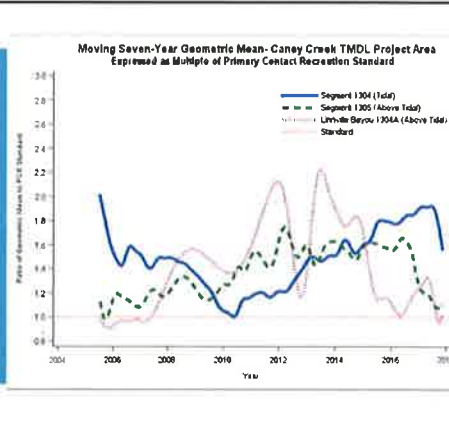
Approved Watershed Protection Plans (WPPs) & Total Maximum Daily Load (TMDL) Implementation Plans (I-Plans)

## CANEY CREEK WATERSHED



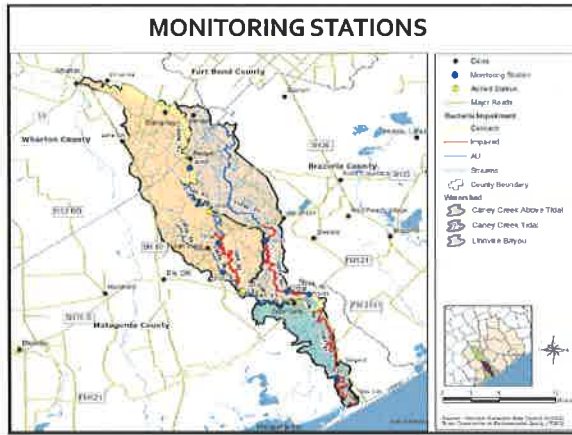
- Creek
- Watershed Impairment
- Consents
- Impaired
- AP
- Streams
- Major Roads
- County Boundary
- Caney Creek Above Tidal
- Caney Creek Tidal
- Linnville Bayou

## Bacteria Trends



Moving Seven-Year Geometric Mean - Caney Creek TMDL Project Area Expressed as Multiple of Primary Contact Recreation Standard

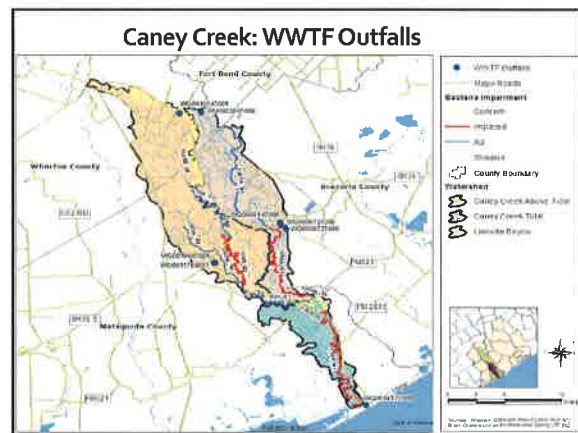
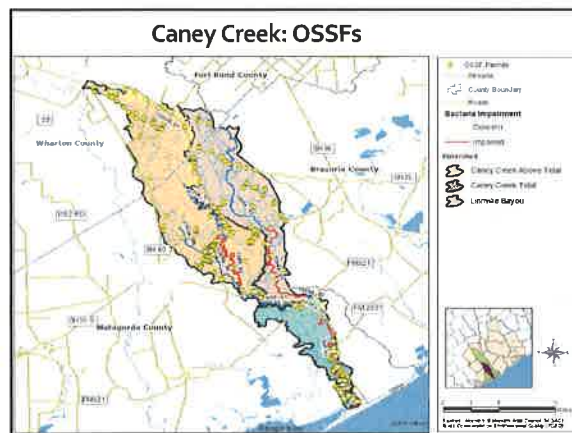
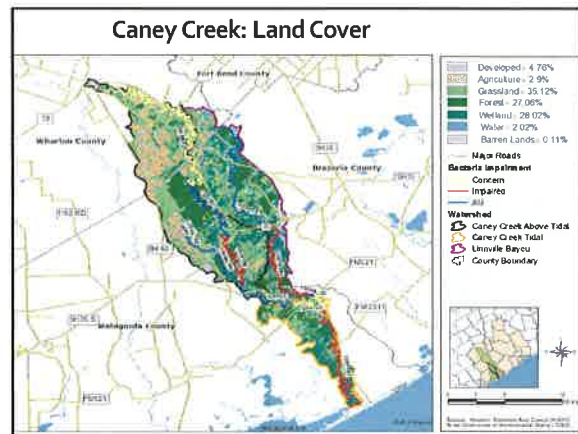
- Segment 1004 (Tidal)
- Segment 1005 (Above Tidal)
- Linnville Bayou 1004A (Above Tidal)
- Standard




### Possible Sources of Bacteria

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

### Basin Data





### Potential Agricultural Sources



Subtotal	Perennialized Area (Acres)	Land Use (Acres)	Hogs and Pigs	Swine Load (lb/day)	Region	Priority
Brewster	18,122	18,122	4,514	3,611	0274	1421
Mission	22,454	6,183	67	204	0245	2381
Wheeler	1,943	2,748	151	189	0007	221
Caney Creek Tidal	994	4,024	2	12	027	19
Lawville Bayou	2,129	1,674	103	82	140	249
Caney Creek Above Tidal	10,411	10,411	18	18	224	249

### Pets / Feral Hogs

Segment #	Estimated Households	Dogs	Cats
Caney Creek Tidal	185	108	218
Lawville Bayou	357	208	218
Caney Creek Above Tidal	3,908	1,754	1,916
Total	3,545	3,070	3,152


Segment #	Suitable Area (Acres)	Suitable Area (Sq. Miles)	Feral Hog Population
Caney Creek Tidal	14,181.93	44.04	245-570
Lawville Bayou	64,184.26	99.66	274-489
Caney Creek Above Tidal	100,762.82	157.41	1872-8032

### Determining Pollutant Loadings – LDC Approach

- Load Duration Curve (LDC) Method Used
- Method is widely accepted by EPA and Texas for development of bacteria WBPs
- Modification of LDCs for tidal streams pioneered by State of Oregon and being used in Texas for TMDL development.
- TMDLs adopted by TCEQ and approved by EPA in 2016 for Tidal segments of Mission & Aransas Rivers used Modified FDCs/LDCs

### LDC Development Requires

- streamflow data,
- bacteria (Enterococci & *E. coli*) data,
- salinity data (for Modified Approach)
- the relevant bacteria criterion




### Steps to Develop LDCs

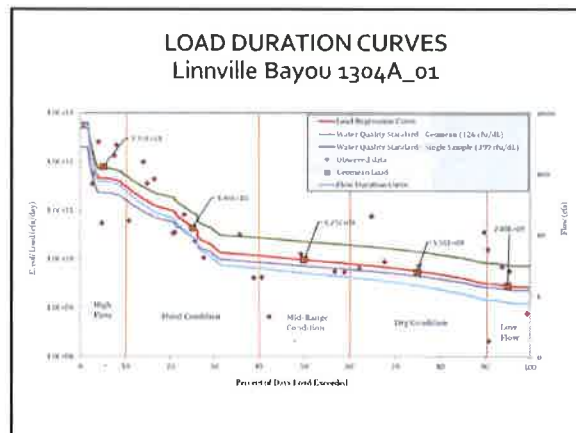
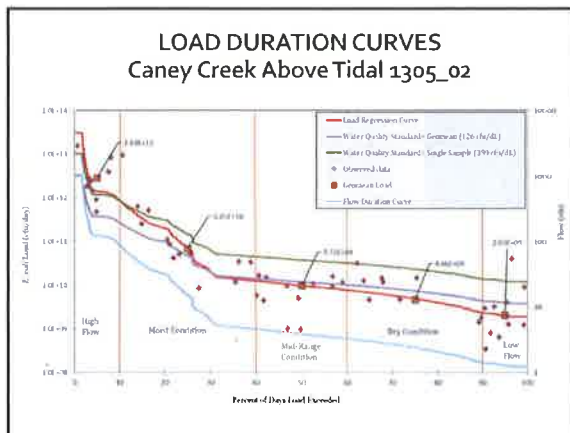
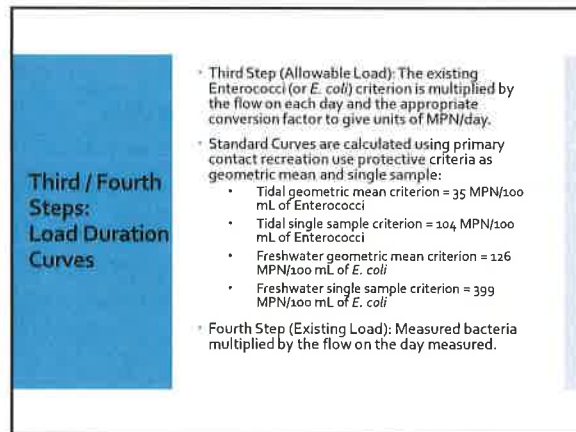
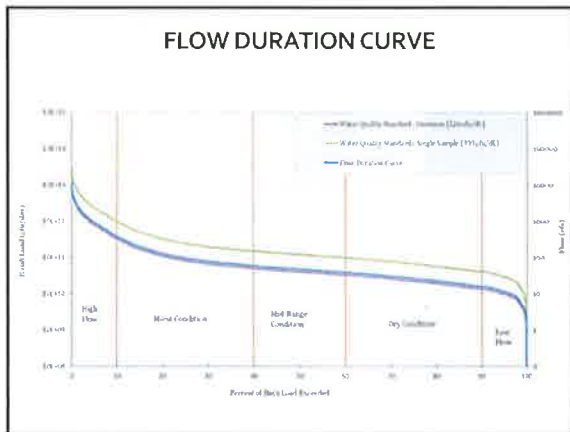
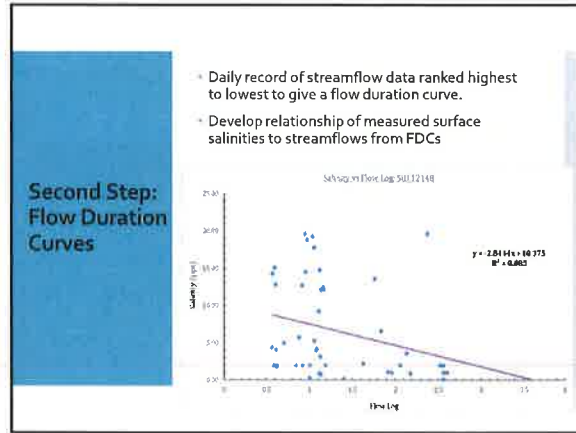
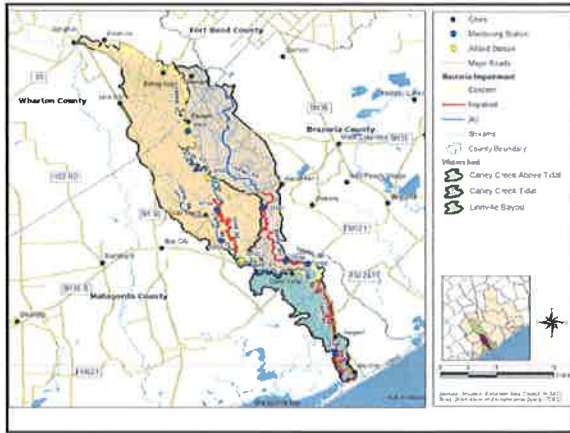
1. Calculate daily freshwater using drainage area ratio approach
2. Develop FDCs, including seawater contribution (for each tidal station)
3. Develop LDCs (allowed loadings)
4. Estimate existing loading from measured bacteria data

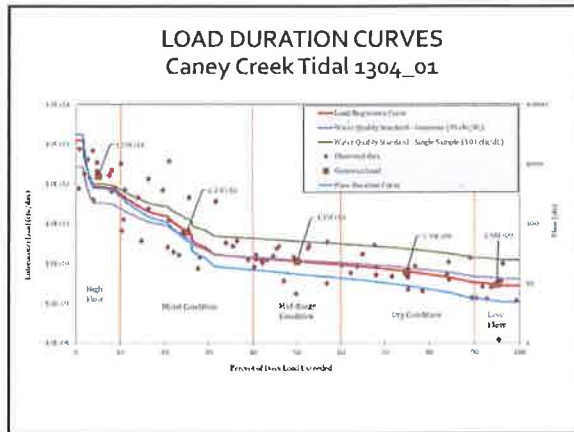
### First Step

Develop a daily streamflow record (typically 10 to 20 years of data)

- No long term flow in Caney Creek. New height level gauge at Station 12153 (Feb 2017 – Aug 2017)
- Nearby U.S. Geological Survey flow gauge stations: San Bernard River and Tres Palacios
- Selected U.S. Geological Survey gage 08162600
- Selected flow period: 1/1/2004 – 12/31/2017







### BACTERIA REDUCTION

Flow Condition	Coordinate Range	TMDL (lb)		TMDL (lb)		TMDL (lb)	
		Estuaries		B. coli		E. coli	
		WQS(A)	WQS(SS)	WQS(A)	WQS(SS)	WQS(A)	WQS(SS)
High Flow	100-150	100-150	100-150	100-150	100-150	100-150	100-150
Mild	150-200	150-200	150-200	150-200	150-200	150-200	150-200
Dry	200-250	200-250	200-250	200-250	200-250	200-250	200-250
Low Flow	250-300	250-300	250-300	250-300	250-300	250-300	250-300

### TMDL

TMDL = WLA (WLA<sub>air</sub> and WLA<sub>sed</sub>) + LA + FC + MOS

Draft TMDL – (Preliminary)

WQS	WQS (lb/day)	TMDL (lb/day)	WQS (lb/day)	WQS (lb/day)	WQS (lb/day)	LA (lb/day)
WQS(A)	100-150	100-150	100-150	100-150	100-150	100-150
WQS(SS)	150-200	150-200	150-200	150-200	150-200	150-200
WQS(S)	200-250	200-250	200-250	200-250	200-250	200-250

### What's a Coordination Committee?

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

Bath 13 Meeting - Caney Creek | December 3, 2017

- ### Role of the Coordination Committee
- 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
- Bath 13 Meeting - Caney Creek | December 3, 2017

### What are Management Measures?

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

Bath 13 Meeting - Caney Creek | December 3, 2017

## Group Discussion

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**(2) POTENTIAL INTERESTS**

- Citizens
- Education
- Environmental Groups
- Government Interest
- Industry and Business
- Parks/Recreation
- Resource Agency
- Watersheds
- Watersheds
- Other?

**(3) NUMBER OF REPRESENTATIVES**

- Ideal size of the committee?
- Other committees range from 3-11 members to 28
- Number should be fairly distributed by interest.

**(1) PROCESS TYPES**

**FORMAL**

- Formal nominations
- Recorded votes
- Written rules of order

**INFORMAL**

- Informal nominations
- Consensus based
- Groundrules

**(4) MISSING PIECES**

- Who should be here that isn't?
- Are we missing major industry or stakeholder groups?

Bain 13 Meeting - Caney Creek | December 9, 2017

## Coordination Committee Decision Process

FORMAL

⊘

- ▶ Establish ground rules that govern the actions of the committee
- ▶ Adhere to Ground Meeting Requirements

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



## Implementation: Workshops, Training and Resources



Texas Stream Team Training - February 2018



Texas Watershed Stewards Training/July 11, 2017


## Implementation: Outreach and Education



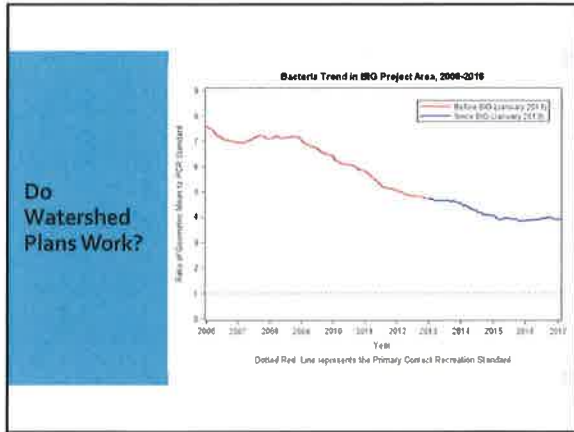



<https://coastalcommunitiestx.weebly.com/materials.html>

## Next Steps in the I-Plan / WPP Process



- Coordination Committee (CC) – Discuss I-Plan/WPP Measures (January 2019)
- H-GAC Drafts Reduction Measures (February 2019)
- CC – Reviews Draft Measures (March 2019)
- H-GAC Drafts I-Plan / WPP (April 2019)
- CC – Reviews Draft Plan (May 2019)
- I-Plan/WPP Draft Submitted to TCEQ (June 2019)



**Thank You!**

Steven Johnson  
817.390.3270  
steven.johnson@tceq.com

The slide features a blue background with a white 'Thank You!' message. Below the text are contact details for Steven Johnson, including a phone number and email address. To the left of the contact info are logos for HAV and TCEQ. On the right is a photograph of a person in a red kayak on a river.





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**Houston-Galveston Area Council**

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March 16, 2018

Mr. Jason Leifester (MC 203)  
TMDL Project Manager  
Water Quality Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, Texas 78753

RE: March 2019 Progress Report for Contract 582-18-81222, Work Order 3, Basin 13.

Dear Mr. Leifester:

Enclosed is one (1) copy of the FY 2019 2<sup>nd</sup> Progress Report for Contract No. 582-18-81222-03. It covers all deliverable activities for the project period December 1, 2018 through February 28, 2019. Financial Statements, HUB report and Voucher will be submitted separately.

Included in this Report are:

1. One copy of the quarterly progress report for December 1, 2018 thru February 28, 2019.
2. Copies of meeting summaries and other pertinent materials from project related meetings.

We hope you find the quarterly report satisfactory. Any comments you have will be appreciated. If you have any questions, please contact me by phone (713-993-4549) or E-mail (todd.running@h-gac.com).

Sincerely,

Todd Running  
Water Resources Program Manager  
Community & Environmental Planning Dept.

CC Jazmyn Milford  
Chris Loft

TR/srj  
Enclosures





**TMDL Program****Date: March 16, 2019****FY 2018 Progress Report #2****Time Period Covered: 12/01/2018 – 2/28/2019****Name of Project: Basin Approach to Address Bacterial Impairments in the Brazos – Colorado Coastal Basin (Basin 13)****Contract No./Work Order 582-18-81222-03****TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Monthly Progress Report	March 15, 2019	Monthly report for Work Order submitted electronically and hard copy on March 16, 2019
Invoice	December 15, 2018	Invoices will be submitted under another cover.
Weekly Reports	Weekly	Provided as an attachment.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached. Staff worked with TCEQ PM and Team Leader on the FY 2020 draft work order and budget.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Draft meeting materials will be sent to the TCEQ Project Manager at least two weeks prior to distribution for each meeting	A Caney Creek Coordination Committee meeting was held on February 21, 2019. A draft presentation w/agenda was shared with TCEQ 2/12/201.
Host two, and up to four total, watershed stakeholder meetings (Task 2.2)	As needed	<ul style="list-style-type: none"> <li>• A public meeting was held November 1, 2018.</li> <li>• A Caney Creek Coordination Committee Meeting was held February 21, 2019.</li> </ul>
Summary of meetings (Task 2.3)	Within 2 weeks after meetings	A summary of the coordination committee meeting was provided with the weekly reports. A formal summary is included with this report.
List of general stakeholders (Task 2.4)	With PRs	A stakeholder list is maintained and updated as needed.
Facilitate delivery of Extension programs (Task 2.5)	As needed	No extension programs provided this quarter.
Public participation/outreach summaries (Task 2)	With PRs	

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work related to this task focused on planning for the second Caney Creek Coordination Committee meeting held on February 21, 2019. This included:

- Updating potential stakeholder contact information
- Identifying and scheduling a meeting location
- Drafting meeting announcement
- Emailing meeting announcement and follow-up
- Drafting and mailing a targeted letter to Caney Creek local officials and permittees, and
- Creating the meeting agenda and presentation

Six stakeholders were in attendance, not including H-GAC and TCEQ staff. H-GAC provided a presentation that covered Caney Creek water quality impairments and types of watershed-based plans. The focus of the meeting was on the role of the Coordination Committee, other potential stakeholders that need to be invited, and schedule for future meetings. The attendees discussed what this means to them, opportunities to participate in development of a watershed-based plan, identifying management measures, and current implementation underway. H-GAC also discussed the opportunity to participate in the Basin 13 Leadership Forum which will be held on March 21, 2019 in Wharton.

**TASK #3 EXISTING DATA QAPP MAINTENANCE**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP annual update (Task 3.1)	30 days after issuance of Notice to Proceed	Annual update for FY2019 submitted to TCEQ in September 2018.
QAPP amendments (Task 3.2)	As needed	None were needed.
QAPP CARs (Task 3.3)	As needed	No CARs were needed.
Quality assurance audits (Task 3.4)	Will participate as needed	An audit was not performed this quarter.

**Work Performed This Period**

No work was performed related to this task during the quarter.

**TASK #4 TMDL AND DEVELOPMENT OF SPECIFIC KEY ELEMENTS OF A WPP FOR THE CANEY CREEK WATERSHED**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft TMDL (Task 4.1)	June 30, 2017	No progress to report. Work will begin in April.
Work Group Meetings (Task 4.2)	As needed.	The Caney Creek CC met on February 21, 2019 in Bay City.
Final TMDL Document with WPP Elements (Task 4.3)	Two weeks after receipt of TCEQ comments	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Task #4 began in the 2<sup>nd</sup> quarter. Executing Task #4 started by hosting the coordination committee meeting on February 21, 2019. Six stakeholders were in attendance. The group began to discuss management measures and each attendee were provided copies of completed and approved watershed-based plans (San Bernard River WPP, Tres Palacios WPP and I-Plan). The group also discuss the pros and cons to developing an I-Plan and WPPs. The next meeting is being planned for May 9, 2019.

Staff are also preparing to update the TMDL and LDCs to address the impact of effluent contributions on the monitored flow recorded at the USGS station on the Tres Palacios. Those contributions from WWTFs and agricultural sources could impact the “natural flow” derivation used to estimate the flow on Caney Creek. Additionally, EIH has maintained the height gauge on Caney Creek since 2017. The flow curve developed using this water level gauge should be more accurate with the additional 1.5 years of data to inform it. This will assist in creating more accurate LDCs. We will update the TSD and use the new information in the TMDL document.

**TASK #5 COORDINATE WITH TEXAS STREAM TEAM PROGRAM**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 5.1)	Provide summaries with PRs	No progress to report.
Target volunteer efforts (Task 5.2)	Provide summaries with PRs	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

H-GAC staff are discussing the next training event. H-GAC will likely host the event within the watershed during the month of August.

**PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS**

- 1) Presentations:
  - a. February 6, 2019 – Staff presented at H-GAC’s Natural Resource Advisory Committee meeting on Basin 11 and 13 projects. Presentation attached.
- 2) Meetings, Events and Conferences:
  - a. No meetings or events attended related to Caney Creek.
- 3) Associated Implementation Projects and Programs
  - a. H-GAC’s OSSF SEP is continues to work in the area. Two repair/replace projects are planned for Matagorda County, one is within the Caney Creek watershed.
  - b. TX Agrilife hosted an OSSF maintenance workshop at the Friends of the River San Bernard on February 16, 2019. AgriLife hopes to inspect and pump out 25 OSSFs within the San Bernard watershed that is found within the Coastal Zone Boundary. Announcement attached.

**BRIEF DESCRIPTION OF OVERALL FINDINGS:**

H-GAC focused this quarter on planning and conducting the 2<sup>nd</sup> Caney Creek Coordination Committee meeting. Six stakeholders were present at the meeting which was an improvement on the first coordination committee meeting. In addition to the meeting, H-GAC began to plan for a Leadership Forum which will focus on attracting Basin 13 local governments and permittees. The purpose of the forum is to prepare the attendees for draft watershed-based plans, provide a venue for review and comment on the draft documents, and to begin

considering opportunities to implement watershed-based plans, including the completed San Bernard River WPP.

**Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):**

No problems were encountered this quarter.

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, December 12, 2018 5:06 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Reports (Nov 26 - Nov 30) and (Dec 3 - Dec 7)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### Nov. 26<sup>th</sup> – Nov. 30<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Oct. 31, 2018):** \$7,772.57 **Remaining Budget Amount:** \$112,227.43

#### **Task 2** Public Education and Outreach Activities

- Staff will be meeting in December to develop CC meeting schedule and review stakeholder list. Anticipate meeting date late January for second meeting.

#### **Task 3** Quality Assurance

- No update.

#### **Task 4** TMDL Development and Key Elements of a WPP

- No update.

#### **Task 5** Coordinate with the Texas Stream Team Program

- No activities to report

### Dec. 3<sup>rd</sup> – Dec. 7<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Nov. 30, 2018):** \$12,302.66 **Remaining Budget Amount:** \$107,697.34

#### **Task 2** Public Education and Outreach Activities

- Staff met to develop CC meeting schedule and review stakeholder list. Looking at dates in late January for second meeting.

#### **Task 3** Quality Assurance

- No update.

#### **Task 4** TMDL Development and Key Elements of a WPP

- Beginning to pull information together for the first CC meeting.

**Task 5** Coordinate with the Texas Stream Team Program

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Steven Johnston

Senior Planner

Community & Environmental Department | Houston-Galveston Area Council

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<http://h-gac.com/community/water/tmdl/big/default.aspx>

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, December 19, 2018 5:00 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Dec 10 - Dec 14)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Dec. 10<sup>th</sup> – Dec. 14<sup>th</sup>:

### **Task 1** Project Administration

- ***Anticipate Spend Down August 2019?:*** Yes.
- ***Is spending by categories going as expected?:*** Yes at this time.
- ***Last Invoice:*** N/A.
- ***Original Budget Amount:*** \$120,000
- ***Total Spent to Date (Nov. 30, 2018):*** \$12,302.66 ***Remaining Budget Amount:*** \$107,697.34
- Submitted Progress Report #1 to TCEQ PM.

### **Task 2** Public Education and Outreach Activities

- Staff researching available meeting locations to determine potential dates. Anticipate late January/beginning of February for second meeting.

### **Task 3** Quality Assurance

- No update.

### **Task 4** TMDL Development and Key Elements of a WPP

- Pulling information together for second CC meeting.

### **Task 5** Coordinate with the Texas Stream Team Program

- Staff reviewing schedule.

Have a wonderful Christmas Break!

Thanks,

Steve

Steven Johnston  
Senior Planner  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, December 26, 2018 6:06 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Dec 17 - Dec 21)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Dec. 17<sup>th</sup> – Dec. 21<sup>st</sup>:

### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (Nov. 30, 2018):** \$12,302.66 **Remaining Budget Amount:** \$107,697.34

### Task 2 Public Education and Outreach Activities

- Staff researching available meeting locations to determine potential dates. Anticipate late January/beginning of February for second meeting.

### Task 3 Quality Assurance

- No update.

### Task 4 TMDL Development and Key Elements of a WPP

- Pulling information together for second CC meeting.

### Task 5 Coordinate with the Texas Stream Team Program

- Staff reviewing schedule.

Thanks,

Steve

Steven Johnston  
Senior Planner  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Monday, December 31, 2018 3:35 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Report (Dec 24 - Dec 28)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions. I will be out of the office from 1/2/19 to 1/8/19. I will check my email sporadically.

Dec. 24<sup>th</sup> – Dec. 28<sup>th</sup>:

### **Task 1** Project Administration

- ***Anticipate Spend Down August 2019?:*** Yes.
- ***Is spending by categories going as expected?:*** Yes at this time.
- ***Last Invoice:*** N/A.
- ***Original Budget Amount:*** \$120,000
- ***Total Spent to Date (Nov. 30, 2018):*** \$12,302.66 ***Remaining Budget Amount:*** \$107,697.34

### **Task 2** Public Education and Outreach Activities

- Staff researching available meeting locations to determine potential dates. Anticipate beginning of February for second meeting.

### **Task 3** Quality Assurance

- No update.

### **Task 4** TMDL Development and Key Elements of a WPP

- Pulling information together for second CC meeting.

### **Task 5** Coordinate with the Texas Stream Team Program

- Staff reviewing schedule.

Thanks,

Steve

Steven Johnston  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Monday, January 14, 2019 4:44 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY 19 WO #3 Weekly Reports (Dec 31 - Jan 4) and (Jan 7 - Jan 11)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### Dec. 31<sup>st</sup> – Jan. 4<sup>th</sup>:

#### **Task 1** Project Administration

- ***Anticipate Spend Down August 2019?:*** Yes.
- ***Is spending by categories going as expected?:*** Yes at this time.
- ***Last Invoice:*** N/A.
- ***Original Budget Amount:*** \$120,000
- ***Total Spent to Date (Nov. 30, 2018):*** \$12,302.66 ***Remaining Budget Amount:*** \$107,697.34

#### **Task 2** Public Education and Outreach Activities

- Potential meeting date for the second CC meeting is being planned for February 21, 2019 at the Bay City Civic Center.

#### **Task 3** Quality Assurance

- No update.

#### **Task 4** TMDL Development and Key Elements of a WPP

- Pulling information together for second CC meeting.

#### **Task 5** Coordinate with the Texas Stream Team Program

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

### Jan 7<sup>th</sup> – Jan. 11<sup>th</sup>:

#### **Task 1** Project Administration

- ***Anticipate Spend Down August 2019?:*** Yes.
- ***Is spending by categories going as expected?:*** Yes at this time.
- ***Last Invoice:*** N/A.
- ***Original Budget Amount:*** \$120,000
- ***Total Spent to Date (Nov. 30, 2018):*** \$12,302.66 ***Remaining Budget Amount:*** \$107,697.34

#### **Task 2** Public Education and Outreach Activities

- Potential meeting date for the second CC meeting is being planned for February 21, 2019 at the Bay City Civic Center.

#### **Task 3** Quality Assurance

- No update.

#### **Task 4** TMDL Development and Key Elements of a WPP

- Pulling information together for second CC meeting.
- Staff preparing bacteria source priority maps and draft source load reductions.

**Task 5** Coordinate with the Texas Stream Team Program

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Thanks,

Steve

Steven Johnston  
Senior Planner  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Monday, February 4, 2019 5:22 PM  
**To:** 'Jazmyn Milford'  
**Subject:** FW: FY 19 WO #4 Weekly Reports (Jan 21 - Jan 25) and (Jan 28 - Feb 1)  
**Attachments:** 315 1-28-19 The Facts Public invited to meeting on reducing Oyster Creek bacteria.pdf; 315 1-28-19 thefacts.com Public invited to Oyster Creek bacteria reduction meeting.pdf; 315\_1.30.19  
\_thefacts.com\_Volunteers\_sought\_for\_Oyster\_Creek\_bacteria\_reduction\_plan.pdf; 315\_1\_28\_19\_thefacts.com\_Public\_invited\_to\_Oyster\_Creek\_bacteria\_reduction\_meeting.pdf; 315\_1\_28\_Facts\_Public\_invited\_to\_meeting.pdf; 315\_1\_30\_Facts\_Oyster\_Creek\_stakeholders\_must\_step\_up\_2.pdf

Sorry, I made a correction to the Jan-Feb dates below.

Good Afternoon, Jazmyn – Below you will find the weekly reports for Work Order #4 under 582-18-81222. I have attached some local press we received for the public meeting held on January 29, 2019. Please let me know if you have any questions.

Jan. 21<sup>st</sup> – Jan. 25<sup>th</sup>:

### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Nov. 30, 2018)** \$69,950.56 **Remaining Budget Amount:** \$110,049.44

### Task 2 Public Education and Outreach Activities

- Staff planning first Oyster Creek CC/public meeting in January. Presentation with meeting agenda sent to TCEQ PM.  
Dates: 1<sup>st</sup> meeting January 29<sup>th</sup>, 2019 2-4 Lake Jackson Public Library.  
2<sup>nd</sup> meeting March 12, 2019 2-4 Lake Jackson.
- Chocolate Bayou stakeholder meeting being planned for April Researching available venues.  
April 10, 2019, 2-4 Alvin – Brazoria County Public Library.

### Task 3 Quality Assurance

- No updates.

### Task 4 TSD for Halls Bayou Tidal

- Draft TSD submitted to TCEQ.

### Task 5 TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD.
- Chocolate Bayou stakeholder meeting potentially April 10, 2019.

### Task 6 Watershed Characterization Report for Mustang Bayou

- No activities to report. Work on task has started.

**Task 7** TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- TCEQ provided additional comments to the TSD. Staff continue to review and address. 4<sup>th</sup> revision nearly complete.
- Staff reviewing TMDL to evaluate rice and WWTF return/added flow.
- Potential meeting dates approved by TCEQ PM. Staff preparing for meeting. Draft presentation under review.

**Task 8** Support of Texas Stream Team Programs

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Jan. 28<sup>th</sup> – Feb. 1<sup>st</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Nov. 30, 2018)** \$69,950.56 **Remaining Budget Amount:** \$110,049.44

**Task 2** Public Education and Outreach Activities

- First Oyster Creek CC/public meeting was held January 29, 2019 at the Lake Jackson Public Library. Twenty-three watershed stakeholders representing residents and local governments were in attendance. H-GAC presented on Oyster Creeks bacteria impairment, encouraged participation in the coordination committee, discussed watershed planning and current implementation efforts. H-GAC received interest from ten stakeholders following the meeting and the next day. Copies of articles by the Facts newsprint have been attached.
- Staff will begin scheduling the follow-up meeting and finalized coordination committee.  
Important Dates: 2<sup>nd</sup> meeting March 12, 2019 2-4 Lake Jackson.
- H-GAC is working on a new outreach plan that will include individual watershed level outreach and a targeted basin approach for local leaders, government officials and permit holders to encourage participation.
- Chocolate Bayou stakeholder meeting being planned for April Researching available venues.  
April 10, 2019, 2-4 Alvin – Brazoria County Public Library.

**Task 3** Quality Assurance

- No updates.

**Task 4** TSD for Halls Bayou Tidal

- Draft TSD submitted to TCEQ.

**Task 5** TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD.
- Chocolate Bayou stakeholder meeting potentially April 10, 2019.

**Task 6** Watershed Characterization Report for Mustang Bayou

- No activities to report. Work on task has started.

**Task 7** TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- TCEQ provided additional comments to the TSD. Staff continue to review and address. 4<sup>th</sup> revision nearly complete.
- Staff reviewing TMDL to evaluate rice and WWTF return/added flow.
- Potential meeting dates approved by TCEQ PM. Staff preparing for meeting. Draft presentation under review.

**Task 8** Support of Texas Stream Team Programs

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Thanks,

Steve

Steven Johnston  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Monday, January 21, 2019 5:41 PM  
**To:** 'Jazmyn Milford'  
**Cc:** 'Chris Loft'; 'Jason Leifester (Jason.leifester@tceq.texas.gov)'  
**Subject:** RE: FY 19 WO #4 Weekly Report (Jan 14 - Jan 18)

Good Afternoon, Jazmyn – Below you will find the weekly report for Work Order #4 under 582-18-81222. Please let me know if you have any questions.

Jan. 14<sup>th</sup> – Jan. 18<sup>th</sup>:

### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Nov. 30, 2018)** \$49,470.30 **Remaining Budget Amount:** \$130,529.70
- Updated spend down will be provided with next week's report

### **Task 2** Public Education and Outreach Activities

- Staff planning first CC meeting in January. Discussed I-Plan/WPP examples with TCEQ. Prepared presentation. Presentation under review with H-GAC staff.  
Dates: 1<sup>st</sup> meeting January 29<sup>th</sup>, 2019 2-4 Lake Jackson Public Library.  
2<sup>nd</sup> meeting March 12, 2019 2-4 Lake Jackson.
- Chocolate Bayou stakeholder meeting being planned for April Researching available venues.  
April 10, 2019, 2-4 Alvin – Brazoria County Public Library.

### **Task 3** Quality Assurance

- No updates.

### **Task 4** TSD for Halls Bayou Tidal

- Draft TSD submitted to TCEQ.

### **Task 5** TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD.
- Chocolate Bayou stakeholder meeting potentially April 10, 2019.

### **Task 6** Watershed Characterization Report for Mustang Bayou

- No activities to report. Work on task will begin in January.

### **Task 7** TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- TCEQ provided additional comments to the TSD. Staff continue to review and address. 4<sup>th</sup> revision nearly complete.
- Staff reviewing TMDL to evaluate rice and WWTF return/added flow.
- Potential meeting dates approved by TCEQ PM. Staff preparing for meeting. Draft presentation under review.

### **Task 8** Support of Texas Stream Team Programs

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Thanks,

Steve

Steven Johnston  
Senior Planner  
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[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, February 27, 2019 4:56 PM  
**To:** 'Jazmyn Milford'  
**Cc:** Jason Leifester (Jason.leifester@tceq.texas.gov); Chris Loft  
**Subject:** FY 19 WO #4 Weekly Reports (Feb 4 - Feb 8), (Feb 11 - Feb 15) and (Feb 18 - Feb 22)

Good Afternoon, Jazmyn – Below you will find the weekly reports for Work Order #4 under 582-18-81222. Please let me know if you have any questions.

### Feb. 4<sup>th</sup> – Feb. 8<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Jan. 31, 2019)** \$93,504.34 **Remaining Budget Amount:** \$86,495.66
- **Working with TCEQ PM on FY20 WO.**

#### **Task 2** Public Education and Outreach Activities

- Staff received additional stakeholder interest following the meeting and subsequent press articles.
- Staff finalized initial coordination committee stakeholder group.  
Important Dates: 2<sup>nd</sup> meeting March 12, 2019 2-4 Lake Jackson.
- Chocolate Bayou stakeholder meeting being planned for April.  
April 10, 2019, 2-4 Alvin – Brazoria County Public Library.

#### **Task 3** Quality Assurance

- No updates.

#### **Task 4** TSD for Halls Bayou Tidal

- Draft TSD submitted to TCEQ.

#### **Task 5** TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD. Revised flow calculation will be completed this month to correct flow, LDC and TMDL calculations.
- Chocolate Bayou stakeholder meeting April 10, 2019.

#### **Task 6** Watershed Characterization Report for Mustang Bayou

- Data gathering underway.

#### **Task 7** TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- Staff reviewing TMDL to evaluate rice and WWTF return/added flow.

#### **Task 8** Support of Texas Stream Team Programs

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

### Feb. 11<sup>th</sup> – Feb. 15<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.

- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Jan. 31, 2019)** \$93,504.34 **Remaining Budget Amount:** \$86,495.66
- **Submitted draft FY20 Work Order/Budget to TCEQ**

**Task 2** Public Education and Outreach Activities

- Initial coordination committee stakeholder group email sent out.  
Important Dates: 2<sup>nd</sup> meeting March 12, 2019 2-4 Lake Jackson.
- Chocolate Bayou stakeholder meeting being planned for April Researching available venues.  
April 10, 2019, 2-4 Alvin – Brazoria County Public Library.

**Task 3** Quality Assurance

- No updates.

**Task 4** TSD for Halls Bayou Tidal

- Draft TSD submitted to TCEQ.

**Task 5** TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD. Revised flow calculation will be completed this month to correct flow, LDC and TMDL calculations.
- Chocolate Bayou stakeholder meeting April 10, 2019.

**Task 6** Watershed Characterization Report for Mustang Bayou

- Data gathering underway.

**Task 7** TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- Staff reviewing TMDL to evaluate rice and WWTF return/added flow.

**Task 8** Support of Texas Stream Team Programs

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Feb. 18<sup>th</sup> – Feb. 22<sup>nd</sup>:

**Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Jan. 31, 2019)** \$93,504.34 **Remaining Budget Amount:** \$86,495.66

**Task 2** Public Education and Outreach Activities

- Initial coordination committee stakeholder group email sent out.  
Important Dates: 2<sup>nd</sup> meeting March 12, 2019 2-4 Lake Jackson.
- Begin preparing for meeting.
- Chocolate Bayou stakeholder meeting being planned for April Researching available venues.  
April 10, 2019, 2-4 Alvin – Brazoria County Public Library.

**Task 3** Quality Assurance

- No updates.

**Task 4** TSD for Halls Bayou Tidal

- Draft TSD submitted to TCEQ.

**Task 5** TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD. Revised flow calculation will be completed this month to correct flow, LDC and TMDL calculations.
- Chocolate Bayou stakeholder meeting April 10, 2019.

**Task 6** Watershed Characterization Report for Mustang Bayou

- Data gathering underway.

**Task 7** TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- Staff reviewing TMDL to evaluate rice and WWTF return/added flow.

**Task 8** Support of Texas Stream Team Programs

- Staff planning training schedule. TST training will be scheduled for Basin 11 and 13 in early summer.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)  
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[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Tuesday, March 5, 2019 4:14 PM  
**To:** 'Jazmyn Milford'  
**Cc:** Jason Leifester (Jason.leifester@tceq.texas.gov); Chris Loft  
**Subject:** FY 19 WO #4 Weekly Report (Feb 25 - Mar 1)  
**Attachments:** OysterCreek1292019.pdf

Good Afternoon, Jazmyn – Below you will find the weekly report for Work Order #4 under 582-18-81222. Please let me know if you have any questions.

Feb. 25<sup>th</sup> – Mar. 1<sup>st</sup>:

### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$180,000
- **Total Spent to Date: (Jan. 31, 2019)** \$93,504.34 **Remaining Budget Amount:** \$86,495.66

### Task 2 Public Education and Outreach Activities

- Preparing for Oyster Creek Coordination Committee Meeting March 12, 2019 2-4 Lake Jackson (draft presentation attached).
- Chocolate Bayou stakeholder meeting being planned for April. April 10, 2019, 2-4 Alvin – Brazoria County Public Library.
- 15 Pet waste stations are being purchased through the Coastal Communities 319 grant. Ten Stations will be placed in parks within the City of Lake Jackson city limits. Five stations will be placed on a walking trail along Oyster Creek on the Brazosport College campus.

### Task 3 Quality Assurance

- No updates.

### Task 4 TSD for Halls Bayou Tidal

- TCEQ PM provided comments to the draft TSD. Will begin to address the week of March 4<sup>th</sup>.

### Task 5 TMDL Support for Chocolate Bayou Adoption

- Continued to revise TMDL document and TSD. Corrected flow data to account for return flows and to remove contributions from transfers (WWTF effluent, etc.). LDCs revised. Addressing changes to the TMDL calculations.
- Chocolate Bayou stakeholder meeting April 10, 2019.

### Task 6 Watershed Characterization Report for Mustang Bayou

- Data gathering underway.

### Task 7 TMDL and Development of Specific Key Elements for a WPP for Oyster Creek

- Oyster Creek flow, based on flow data for Chocolate Bayou, is being adjusted. This revision will be incorporated into the draft TSD and include revisions to the LDCs and TMDL calculations.
- Preparing source contribution/reduction estimates.

### Task 8 Support of Texas Stream Team Programs

- TST training is being planned for Basin 11 on May 11 at Brazosport College.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)  
832.681.2579 | 713.627.3200 | fax: 713.993.4503  
[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



Search H-GAC

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# Brazos-Colorado Coastal Basin Bacteria Reduction Project

## Watershed Characteristics

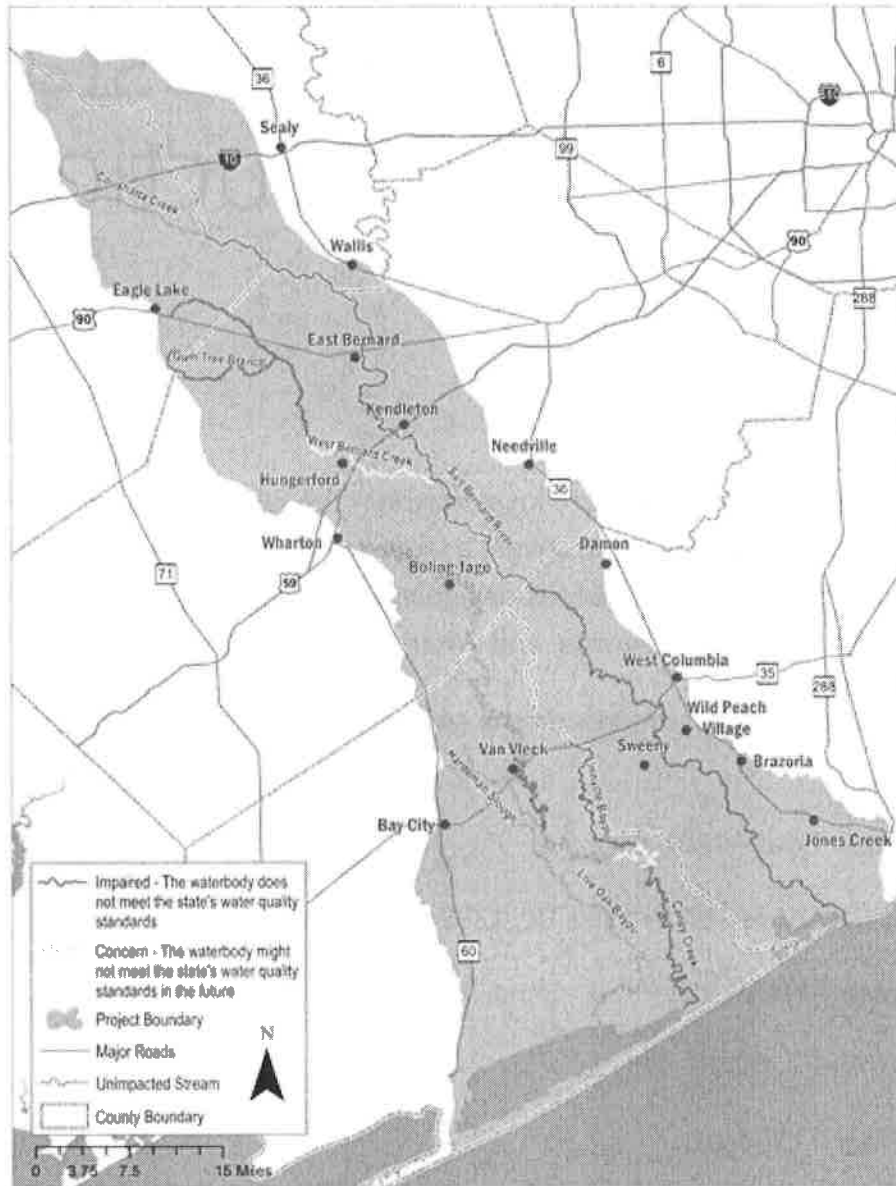
The streams addressed by this project are located within the Brazos-Colorado Coastal Basin, referred to as Basin 13. The Basin covers a large geographic area, and includes all or a portion of 20 cities, villages, and census-designated places and six counties: Austin, Brazoria, Colorado, Fort Bend, Matagorda, and Wharton.

H-GAC will analyze bacteria impairments on the segments and assessment units in Basin 13:

- San Bernard River Tidal – 1301\_01;
- San Bernard River Above Tidal – 1302\_01, 1302\_02, and 1302\_03;
- Gum Tree Branch – 1302A\_01;
- West Bernard Creek – 1302B\_02;
- Caney Creek Tidal – 1304\_01;
- Linnville Bayou – 1304A\_01; and
- Caney Creek Above Tidal – 1305\_02.

H-GAC will also analyze use concerns for bacteria for the following segments and AUs, identified in the draft 2014 Texas Integrated Report of Surface Water Quality for Clean Water Act Sections 305(b) and 303(d).

- West Bernard Creek – 1302B\_01;
- Caney Creek Tidal – 1304\_02; and
- Caney Creek above Water Hole Creek – 1305B\_01.



*Click the image above for a full size version.*

## About the Project

This effort will be a multi-year process to identify, plan, and address bacteria impairments across the basin in coordination with local stakeholders. The entire basin will be reviewed, with each watershed addressed individually based on water quality data and stakeholder

feedback. Watersheds with common issues may be grouped together for implementation efforts to encourage collaboration between stakeholders.

## Characterization Report

Click here to view

Year One: [Basin Characterization Report for the Brazos-Colorado Coastal Basin for Indicator Bacteria](#)

Year Two: [Basin Characterization Report for the Brazos-Colorado Coastal Basin for Indicator Bacteria](#)

## Upcoming Meetings

### PUBLIC MEETING

A public meeting to discuss the work completed to date and next steps for Caney Creek and Linville Bayou will be held on:

***Thursday, February 21 from 5 - 7 p.m.***

Bay City Civic Center ([directions](#))  
207 7th Street, Bay City

Specific topics for the meeting include:

- review of bacteria impairments in Caney Creek and Linville Bayou,
- formation of coordination committee to oversee the watershed planning process; and
- discussion of steps involved in developing a watershed plan to reduce bacteria levels.

### BI-ANNUAL LEADERSHIP FORUM

Local elected officials and community leaders are invited to come together to discuss the progress made within Basin 13 to date and to provide crucial feedback on the bacteria reduction plans being developed.

The first Bi-Annual Leadership Forum is scheduled for:

***Thursday, March 21 from 10 a.m. - Noon***

Location To Be Determined

# Past Meetings

Meeting 5 - November 1, 2018 1



Meeting 4 - May 15, 2018 1



Meeting 3 - December 7, 2017 1



Meeting 2 - August 1, 2017 2



Meeting 1 - November 28, 2016 1



Total Maximum Daily Loads and Implementation Plans (TMDL)

TMDL Frequently Asked Questions

Brazos-Colorado Coastal Basin Bacteria Reduction Project

East and West Forks of the San Jacinto River TMDL and Implementation Plan

Houston Ship Channel and Galveston Bay TMDL and Implementation Plan

San Jacinto-Brazos Coastal Basin Bacteria Reduction Project

Upper Oyster Creek TMDL and Implementation Plan

## Contact

---

Steven Johnston

Senior Planner

(832)-681-2579

[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)

## TMDL Study Resources

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### [TMDL Frequently Asked Questions](#)

## H-GAC News & Events

---

There are no news items at this time.

[Careers](#)

[Legal Disclaimer](#)

[Privacy Policy](#)

[Site Feedback](#)

[Intranet](#)



## Johnston, Steven

---

**From:** Janhsen, Kathy  
**Sent:** Wednesday, February 20, 2019 7:39 AM  
**To:** Johnston, Steven  
**Subject:** REMINDER: Meeting to Discuss Bacteria in Caney Creek / Linville Bayou - Feb. 21

**Importance:** High

### CANEY CREEK BACTERIA REDUCTION PROJECT MEETING

The Houston-Galveston Area Council, in conjunction with the Texas Commission on Environmental Quality, is working with local stakeholders to develop the Brazos-Colorado Coastal Basin (Basin 13) bacteria reduction project for Caney Creek and Linville Bayou.

#### Meeting Details

A public meeting to discuss the work completed to date and next steps for Caney Creek and Linville Bayou will be held on:

Thursday, February 21 from 5 - 7 p.m.  
Bay City Civic Center ([directions](#))  
207 7th Street, Bay City

Specific topics for the meeting include:

- review of bacteria impairments in Caney Creek and Linville Bayou;
- formation of coordination committee to oversee the watershed planning process; and
- discussion of steps involved in developing a watershed plan to reduce bacteria levels.

Participation by local leaders, residents, and permittees is crucial for implementation of this project. We hope you will be able to attend the meeting and consider participating on the coordination committee.

For more information, contact Steven Johnston at 832-681-2579 or [Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com), or visit [www.h-gac.com/go/basin13](http://www.h-gac.com/go/basin13).

*In compliance with the Americans with Disabilities Act, H-GAC will provide for reasonable accommodations for persons with disabilities attending H-GAC functions. Individuals requiring language interpretation or those with special communication needs should contact Kathy Janhsen at 713-993-2423 or at [Kathy.Janhsen@h-gac.com](mailto:Kathy.Janhsen@h-gac.com).*

#### Kathy Janhsen

Senior Education Coordinator

#### Houston-Galveston Area Council

3555 Timmons Lane, Suite 120, Houston, Texas 77027  
P.O. Box 22777, Houston, Texas 77227-2777  
direct: 713-993-2423 | main: 713-627-3200 | fax: 713-993-4503  
[h-gac.com](http://h-gac.com)  
Find us on [Facebook](#) and [Twitter](#)

*My office hours are Monday - Friday 7:00 AM to 4:00 PM*



{ELECTED OFFICIALS LETTER – SAN BERNARD WATERSHED ELECTEDS}

{Date of Print}

{Hon} {First Name} {Last Name}  
{Title}  
{Entity}  
{Address}  
{City}, {St} {Zipcode}

Dear {Hon.} {Last Name},

Many of the bayous and streams within the Brazos-Colorado Coastal Basin fail to meet state water quality standards for contact recreation activities, such as swimming and wading. In 2017, a bacteria reduction plan for the San Bernard River was approved. Currently, the Houston-Galveston Area Council, in conjunction with the Texas Commission on Environmental Quality, is working with local stakeholders to develop a separate bacteria reduction plan for Caney Creek and Linville Bayou.

Coordination on all bacteria reduction plans in the basin is crucial to ensuring successful plan implementation. Accordingly, I would like to invite you to an upcoming event where you can learn more about our joint efforts and provide your input.

**LEADERSHIP FORUM**

Houston-Galveston Area Council staff will convene a Leadership Forum, made up of elected officials, wastewater treatment discharge permittees, and other key decision-makers in the basin to discuss how stakeholders can work together to reduce bacteria levels and coordinate their respective implementation efforts.

The first Leadership Forum is scheduled for:

Thursday, March 21, from 10 a.m. to Noon  
Wharton Civic Center  
1924 N. Fulton Street, Wharton

During this meeting, Houston-Galveston Area Council staff will provide a high-level overview of the issues facing the basin, discuss specific elements of the Caney Creek and Linville Bayou bacteria reduction plan, and begin to identify opportunities for leaders within the basin to collaborate on implementation activities. This group will meet again in the fall.

I have enclosed a flyer which contains additional information about the project. You may also find more details at [www.h-gac.com/go/basin13](http://www.h-gac.com/go/basin13). I hope that you can attend the leadership forum on March 21. If not, we would be happy to set up an individual briefing for you at your convenience.

Please contact Steven Johnston on my staff at [Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com) or 832-681-2579 if you have any questions or would like to schedule a briefing in-person or over the phone. I look forward to working with you on this important project.

Sincerely,

Jeff Taebel, Director  
Community & Environmental Planning

Enclosures:  
Brazos-Colorado Coastal Basin Informational Flyer

{PERMITTEES LETTER – SAN BERNARD WATERSHED}

{Date of Print}

{Entity}  
{Address}  
{City}, {St} {Zipcode}

To the Contact for Wastewater Discharge Permit Number {Permit Number}:

Many of the bayous and streams within the Brazos-Colorado Coastal Basin fail to meet state water quality standards for contact recreation activities, such as swimming and wading. In 2017, a bacteria reduction plan for the San Bernard River was approved. Currently, the Houston-Galveston Area Council, in conjunction with the Texas Commission on Environmental Quality, is working with local stakeholders to develop a separate bacteria reduction plan for Caney Creek and Linville Bayou.

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Sincerely,

Jeff Taebel, Director  
Community & Environmental Planning

Enclosures:  
Brazos-Colorado Coastal Basin Informational Flyer

# Brazos-Colorado Coastal Basin

The Houston-Galveston Area Council is working with local stakeholders to develop bacteria reduction plans in the basin.

## What is a Basin?

A basin is an area of land, often associated with a river, where rainfall collects, then flows to a bay or ocean. Rainwater collected in the Brazos-Colorado Coastal Basin travels to the Gulf of Mexico. In this basin, the major waterways are Caney Creek and the San Bernard River.

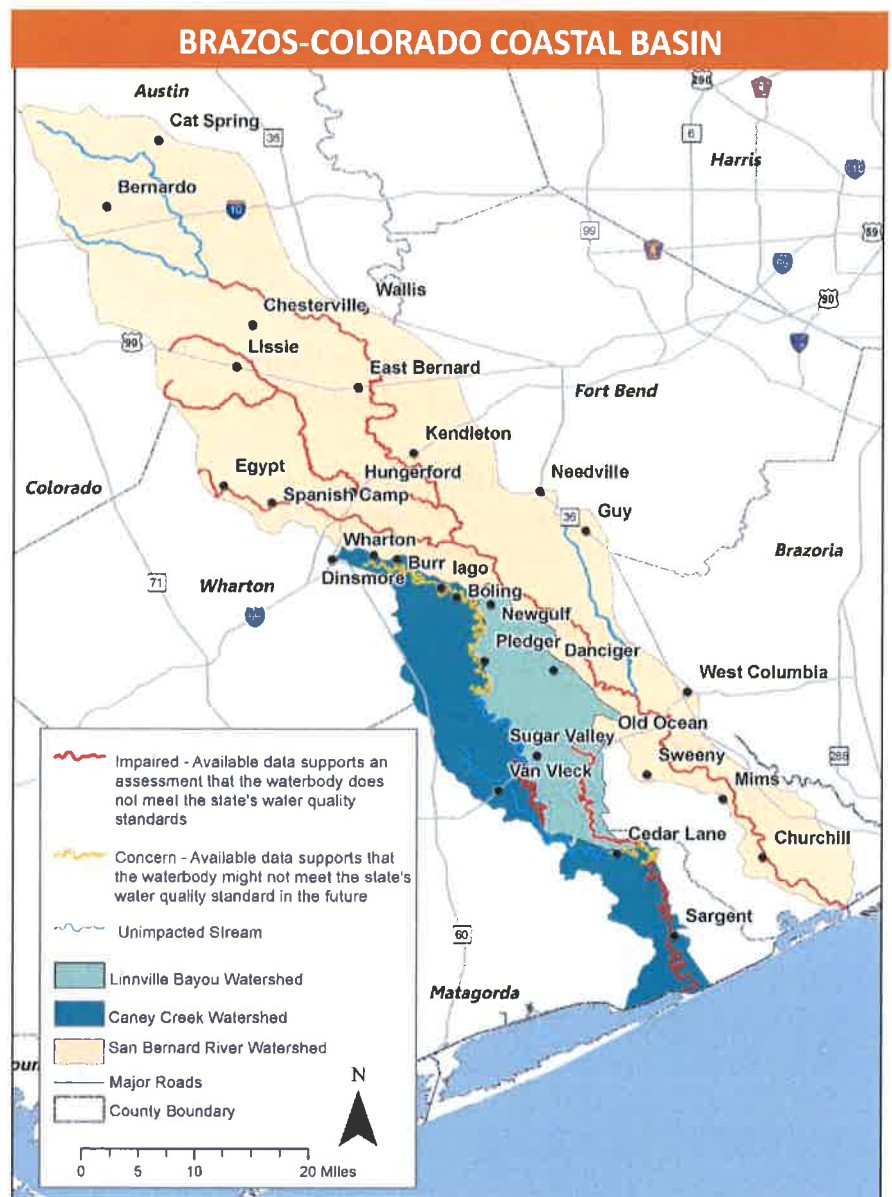
This basin includes three watersheds: the San Bernard Watershed, Caney Creek Watershed, and Linville Bayou Watershed.

## Water Quality in the Basin

Many of the bayous and streams within the Brazos-Colorado Coastal Basin have high bacteria levels.

According to the Texas Commission on Environmental Quality, waterbodies that fail to meet state water quality standards for contact recreation activities, such as swimming and some water sports, can pose a public health risk.

Bacteria in the water can come from many sources, including failing septic systems, animals, and polluted stormwater runoff.





Caney Creek Above Tidal at FM 457 Matagorda County  
Photo courtesy of the Environmental Institute of Houston

## Solving the Problem

The Houston-Galveston Area Council is developing a partnership with local governments and community organizations in the Brazos-Colorado Coastal Basin to better understand the sources of bacteria and develop cost-effective voluntary solutions.

The input of local leaders will be crucial to the success of this effort, and we want you to be a part of the conversation. Here's how you can help.

- **Participate on the Coordination Committee**

To delve into the data driving the creation of the bacteria reduction plans, attend a Coordination Committee meeting.

A public meeting to discuss bacteria levels in Caney Creek and Linville Bayou is scheduled for February 21 from 5 to 7 p.m. at the Bay City Civic Center, 201 Seventh Street, Bay City.

- **Attend the Leadership Forum**

Twice a year, local elected officials and community leaders will come together to discuss the progress made within the basin and provide crucial feedback on the bacteria reduction plans being developed.

The first Leadership Forum for Basin 13 is scheduled for March 21 from 10 a.m. to Noon at the Wharton Civic Center, 1924 N. Fulton St., Wharton.

## Learn More



Visit [www.h-gac.com/go/basin13](http://www.h-gac.com/go/basin13) to learn more about the project, or e-mail [Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com) to schedule a meeting to discuss how you can help reduce bacteria in Brazos-Colorado Coastal Basin.



**CANEY CREEK WATERSHED TMDL PROJECT**

February 21, 2019

Stevyn Johnston


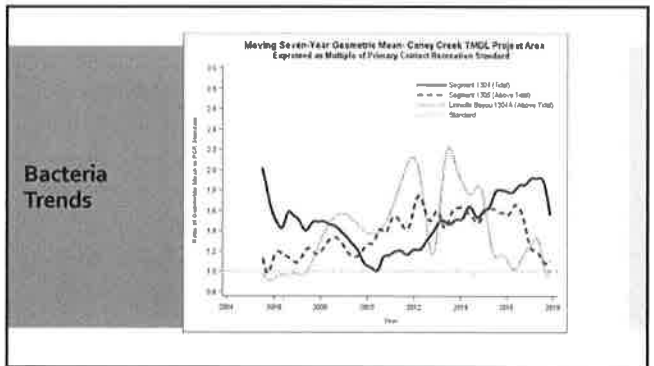
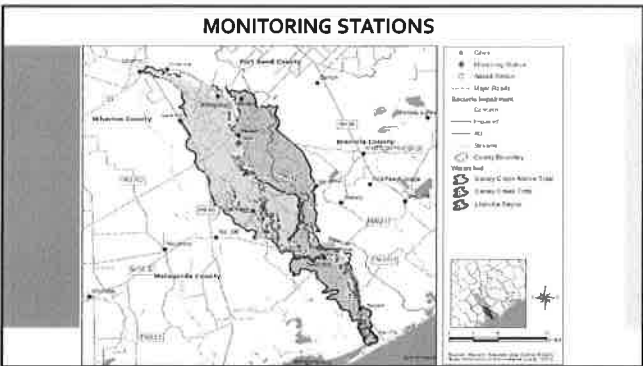
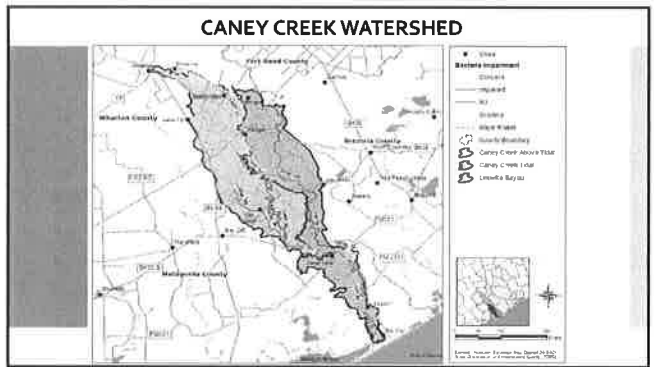



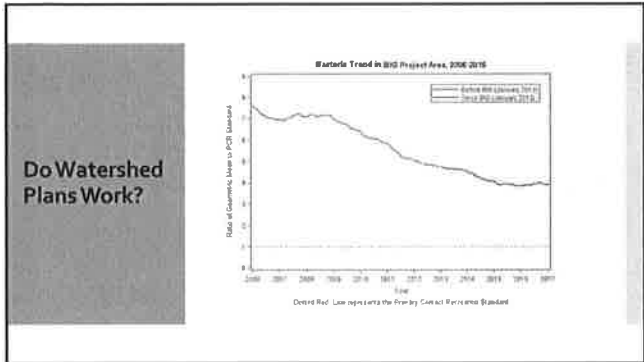
**Meeting Agenda**

- 5:00 – 5:05 Welcome - Open Meeting
- 5:05 – 5:35 Review Caney Creek Project Results
- 5:35 – 6:05 Coordination Committee Roles, Responsibilities and Selection
- 6:05 – 6:45 Watershed Based Planning/Bacteria Reduction
- 6:45 – 6:50 Wrap Up and Next Steps
- 6:50 – 7:00 Open Q&A / Adjourn

**Why Are We Here?**

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

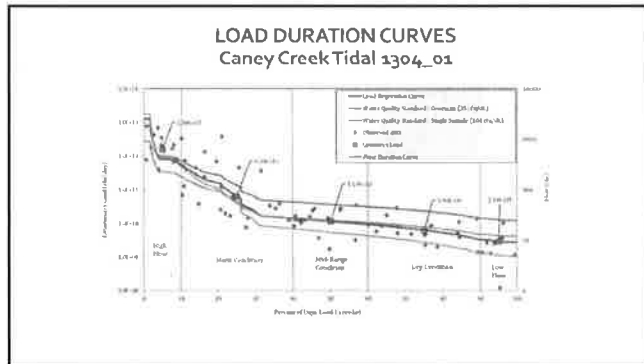
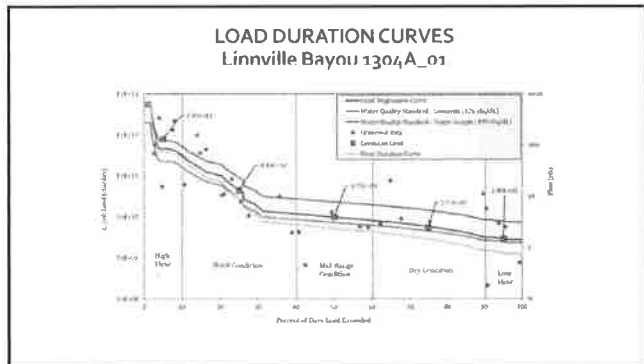
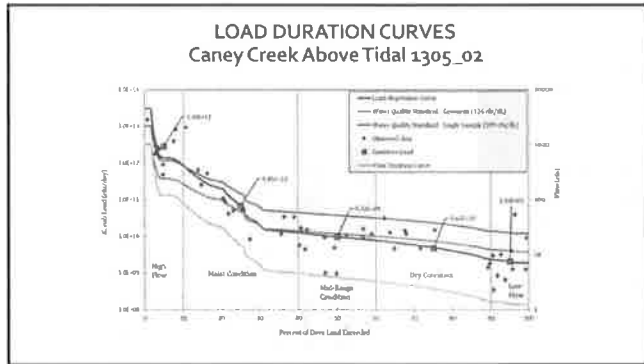


### Determining Pollutant Loadings – LDC Approach

- Load Duration Curve (LDC) Method Used
- Method is widely accepted by EPA and Texas for development of bacteria WBPs
- Modification of LDCs for tidal streams pioneered by State of Oregon and being used in Texas for TMDL development
- TMDLs adopted by TCEQ and approved by EPA in 2016 for Tidal segments of Mission & Aransas Rivers used Modified FDCs/LDCs

### LDC Development Requires

- streamflow data,
- bacteria (Enterococci & *E. coli*) data,
- salinity data (for Modified Approach)
- the relevant bacteria criterion



### TMDL

TMDL = WLA (WLA<sub>bio</sub> and WLA<sub>cs</sub>) + LA + FG + MOS

Draft TMDL – (Preliminary)

WLA	WLA <sub>bio</sub>	WLA <sub>cs</sub>	LA	FG	MOS	TMDL
2015-16	129.43	3.38	0.59	4.03	336.96	470.39
2016-17	120.94	10.55	0.14	7.80	333.24	470.67
2017-18	125.44	10.77	0.73	0.00	335.89	472.83

### BACTERIA REDUCTION

Watershed	Current State (MPN/100L)	Required Future Reduction	Current State (MPN/100L)	Required Future Reduction	Current State (MPN/100L)	Required Future Reduction
Basin 13	111.14	64.27%	34.75	55.12%	51.11	54.25%
Basin 14	67.37	17.51%	55.67	17.92%	47.89	29.31%
Basin 15	31.15	0.00%	15.06	51.51%	11.17	0.00%
Basin 16	15.00	0.00%	10.00	33.33%	7.14	0.00%
Basin 17	17.75	0.00%	17.75	0.00%	16.25	0.00%

### What's a Coordination Committee?

*A proactive group of local and regional stakeholders helping to create and drive content for the TMDL/1-Plan and/or WPP documents.*

- ### Role of the Coordination Committee
- 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

### Group Discussion

**(i) POTENTIAL INTERESTS**

- CEQA
- Education
- Environmental Groups
- Government Interest
- Industry and Business
- Public Information
- Business Agency
- Watersheds
- Wildland
- Others

**(ii) NUMBER OF REPRESENTATIVES**

- Ideal size of the committee?
- Other committees range from 31 members to 48
- Number should be fairly distributed by interest

**(iii) PROS/CONS**

**FORMAL**

- Formal nominations
- Recorded votes
- Written rules of order (bylaws)
- Open Meeting Act Requirements


**(iv) MISSING PIECES**

- Who should be here that isn't?
- Are we missing major industry or stakeholder groups?



### Possible Sources of Bacteria


- Domestic pets (dogs, cats)
- Leaking wastewater infrastructure
- Wildlife (deer, bird, raccoon, etc.)
- Feral Hogs
- Onsite Sewage Treatment
- Urban lawns and landscaping
- Agriculture/Pasture



### What are Management Measures?

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

### Watershed-Based Plans




Additional Watershed Protection From (WPP) & Total Maximum Daily Load (TMDL) Implementation Plan (IP Plan)

### WATERSHED-BASED PLAN TYPE Pros and Cons

TMDL/IP-Plan	WPP
<b>Pros</b> <ul style="list-style-type: none"> <li>Mostly Voluntary</li> <li>Single Pollutant</li> <li>Short Time-Frame</li> <li>Permittees can be ahead of the curve</li> <li>Mostly Urban Watersheds</li> </ul> <b>Cons</b> <ul style="list-style-type: none"> <li>Other WO concerns</li> <li>No 319 Funding</li> </ul>	<b>Pros</b> <ul style="list-style-type: none"> <li>Voluntary</li> <li>Address multiple concerns</li> <li>Mostly Rural Watersheds</li> <li>319 Funding Source</li> </ul> <b>Cons</b> <ul style="list-style-type: none"> <li>Longer Time-Frame</li> <li>Not typically used by State Permit Process</li> </ul>

### LAND COVER



Developed - 1.79%
Agriculture - 2.9%
Grassland - 35.12%
Forest - 27.09%
Wetland - 28.02%
Water - 2.02%
Barren Land - 0.11%


**Water Impairment**

- Concern
- Impaired

**Watershed**

- Caney Creek Above Tidal
- Caney Creek Total
- Linnville Bayou
- County Boundaries

### OSSFs MEASURES



**OSSFs**

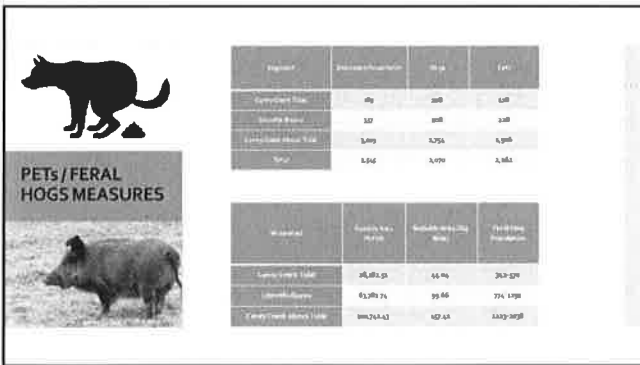
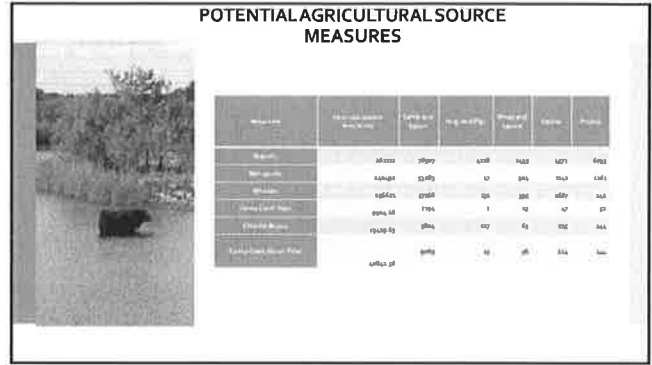
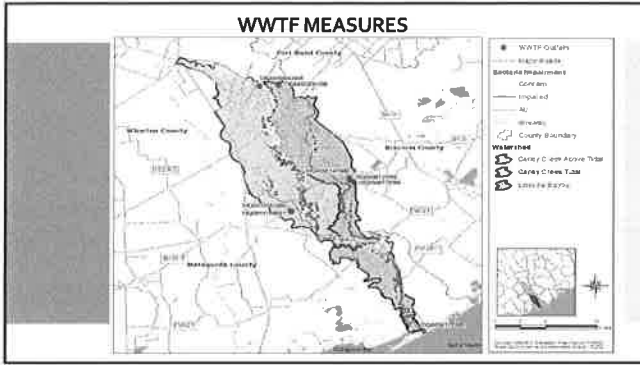
- 2015-16
- 2016-17
- 2017-18
- 2018-19

**Water Impairment**

- Concern
- Impaired

**Watershed**

- Caney Creek Above Tidal
- Caney Creek Total
- Linnville Bayou



### CURRENT IMPLEMENTATION

- Coastal Communities
- QSSP SEP
- TrashBash@ Lake Jackson
- Texas Streams Team
- Watershed Workshops
- Green Infrastructure (June 17, 2019)
- Green Infrastructure (June 17, 2019)
- AgriLand Hogs

### NEXT STEPS in the PROCESS

- Coordination Committee (CC) – Discuss I-Plan/WPP Measures (February 2019)
- H-GAC Drafts Reduction Measures (March 2019)
- Leadership Forum (March 21, 2019)
- CC – Reviews Draft Measures (April 2019)
- H-GAC Drafts I-Plan / WPP (April 2019)
- CC – Reviews Draft Plan (May 2019)
- I-Plan/WPP Draft Submitted to TCEQ (June 2019)
- Leadership Forum (July 2019)

### Thank You!

Stewart Scompton  
 Executive Director  
 stewart.scompton@hidalgo.com





## **Brazos – Colorado Coastal Basin: Draft Public Outreach Report**

### **Coordination Committee 2**

February 21, 2019

#### **TABLE OF CONTENTS**

<b>I.</b>	<b>OVERVIEW</b>	<b>2</b>
<b>II.</b>	<b>PURPOSE</b>	<b>2</b>
<b>III.</b>	<b>APPROACH</b>	<b>3</b>
<b>IV.</b>	<b>NOTIFICATION</b>	<b>3</b>
<b>V.</b>	<b>MATERIALS</b>	<b>3</b>
<b>VI.</b>	<b>MEETING SYNOPSIS</b>	<b>3</b>
<b>VII.</b>	<b>NEXT MEETING</b>	<b>5</b>



**I. OVERVIEW**

Per Umbrella Contract 582-18-81222, the Texas Commission on Environmental Quality (TCEQ) requested Public Outreach support from the Houston-Galveston Area Council (H-GAC) for Basin 13, with activities for all elements of Public Outreach including, but not necessarily limited to:

- Identifying and Reserving Facilities for Meetings and / or Events;
- Providing a Facilitator for Any Meetings (As Needed);
- Providing Support for Organizing and Advertising Meetings and / or Events;
- Distribution and Posting of Meeting Agenda(s);
- Preparation of Meeting and / or Event Summaries;
- Preparation of Printed or Other Presentation Materials in Support of a Meeting and / or Event;
- Use of the H-GAC Website for Posting Meeting and / or Event Information; and
- Any Other Necessary Support Activities.

On February 21, 2019 (Coordination Committee (CC) Meeting #2), H-GAC conducted the second public coordination committee meeting for Caney Creek to review water quality and other bacteria related source data, discuss the make-up, role and project schedule for the Caney Creek CC and discuss potential management measures.

**II. PURPOSE**

The water body discussed during the meeting was Caney Creek, a small coastal watershed which originates in southeast Wharton County and traverses Matagorda County. Linville Bayou is a small tributary to Caney Creek and serves as a portion of the border between Matagorda and Brazoria County before joining Caney Creek Tidal and traveling the final path before entering the Gulf of Mexico by way of the Gulf Coast Intracoastal Waterway and East Matagorda Bay.

The Purpose of this public meeting was to discuss the following:

1. Review the purpose of the CC meeting,
2. Present water quality management opportunities,
3. Review Caney Creek water quality, and



4. Discuss the Caney Creek Coordination Committee.

III. **APPROACH and NOTIFICATION**

A list of stakeholders and interested parties was generated based on the fourth public meeting held November 1, 2018. The list has been augmented following previous public meetings and watershed surveys. Identified stakeholders were contacted directly via e-mail and/or phone to notify them of the planned meeting. Announcement was placed on the H-GAC website. A letter was also mailed to target local government and permittees found in the watershed. Additional meeting details; and meeting reminders were sent to the identified list of stakeholders.

IV. **MATERIALS**

The following materials were made available for the meeting:

1. Sign-In Sheet(s)
2. Copies of relevant approved watershed-based plans

V. **MEETING SYNOPSIS**

*Location*  
Bay City Civic Center  
201 7<sup>th</sup> St.  
Bay City, TX 77414

*When*  
Thursday, February 21, 2019  
5 PM – 7 PM



**Attendees**

NAME	ORGANIZATION REPRESENTED	ASSUMED COUNTY?
C.J. Fucik	Public	Matagorda
Muriel Tipps	Public	Matagorda
Edward Stavinoha	Public	Matagorda
Kent Pollard	Matagorda County Commissioner, Pct. 2	Matagorda
Brian Koch	TSSWCB	Wharton
John McLaughlin	MUD/East Matagorda Bay Foundation	Matagorda
Todd Pilcik	TPWD	Mat/Brazoria
Jason Leifester	TCEQ	Travis
Kathy Janhsen	H-GAC	Multiple
Steven Johnston	H-GAC	Multiple

**To view the sign-in sheet in its entirety, please see Attachment A.**



### ***Meeting Summary***

Mr. Steven Johnston from H-GAC provided a presentation that included an agenda, reviewed the status of Caney Creek's water quality, water quality management planning options and covered the roles, expectations and schedule for the Coordination Committee. Mr. Johnston led the discussion on the make-up of the coordination committee. The work group deliberated on potential additional members. Mr. Johnston closed with a review of potential management measures.

### **VI. NEXT MEETING**

To Be Determined.



PLEASE PRINT LEGIBLY

Last Name:	First Name:	Email Address:	Phone:	County:	Company:	Job Title:	Address 1:	City:	ZIP Code:
✓ TIPPS	MURIEL	MURTI.PPS@MSN.COM	979-482-6825	MAT					
Fucik	C. J.	CJFUCIK@LOOKOUT.COM	979-242-2474	MAT					
STAVINHA	EDWARD	STAVINHA@GMAIL.COM	979-245-0408	MAT					
✓ POLLARD	KENT	Kpollard@co.montgomery.tx.us	979-263-7261	MAT		Commissioner Ref. 2			
✓ Kow	Brian			Wharton					
✓ McLaughlin	John				MUD EMBI				
Leifester	Jacq	on file			TCEQ				
Johnson	Steven	on file			HGAC				
Janson	Kating	on file			HGAC				
✓ P. I. C. I. K	Todd	todd.pilcik@tpwd.texas.gov	979-255-8453	MAT / Braz	TPWD				

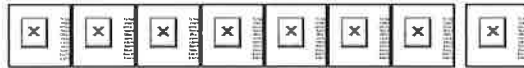


**Johnston, Steven**

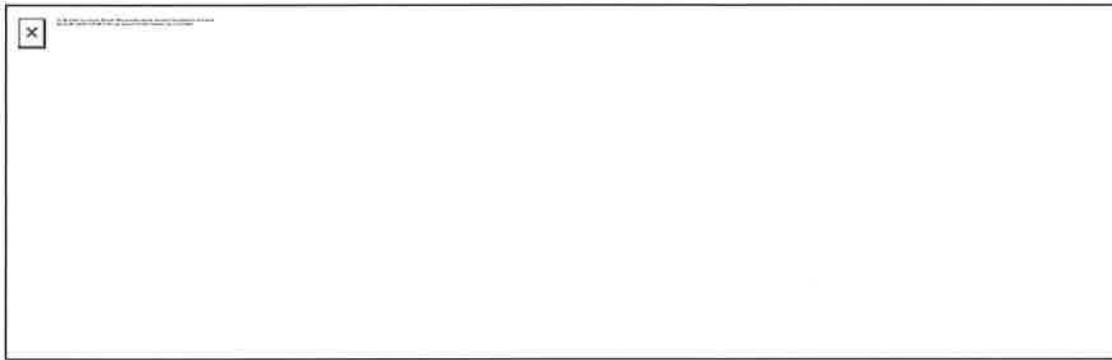
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**From:** Houston-Galveston Area Council <rick@h-gac.ccsend.com> on behalf of Houston-Galveston Area Council <andrea.tantillo@h-gac.com>  
**Sent:** Friday, February 1, 2019 9:05 AM  
**To:** Johnston, Steven  
**Subject:** Your February H-GAC C&E newsletter is here!

Having trouble viewing this email? [Click here](#)



Keeping you up to date on the community planning, economic development, and environmental planning programs at H-GAC.

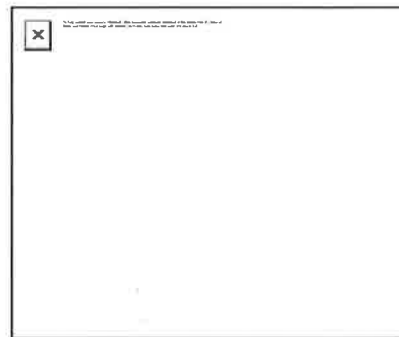


## Your Monthly News & Updates

## Upcoming Events

### **Parks and Natural Areas Summit and Awards Ceremony - February 8**

H-GAC will host the first Parks and Natural Areas Summit and Awards Ceremony from 9 a.m. to noon **Friday, February 8**, at H-GAC Conference Room B, Second Floor. The summit will include presentations about various H-GAC programs that can provide goods, services, technical assistance, and funding for parks and natural areas projects.



The 2018 Parks and Natural Areas Awards ceremony will follow the presentations. The 13th annual awards ceremony will honor projects in three categories: Planning Process, Projects Over \$500,000, and Projects Under \$500,000.

A light breakfast will be served. [Online registration](#) is requested. Registration and breakfast begin at 8:30 a.m., followed by the H-GAC program presentations at 9 a.m. The awards program will be followed by networking with H-GAC staff and other parks professionals.

For more information, contact Andrea Tantillo at 832-681-2507.

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## Public Meetings Set for 2045 RTP: Moving Our Region into Tomorrow



Learn what's next for the 2045 Regional Transportation Plan (RTP) at an upcoming public meeting.

A list of [meeting times and locations](#) is available online. During the public meetings, panel of transportation experts will discuss future transportation projects selected from the recent [2018 Call for Projects](#). The panel will also talk about air quality and conformity initiatives, regional resiliency efforts, and the estimated releases date for the 2045 RTP draft plan. For more information, [watch the 2045 RTP video](#).

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## Texas Stream Team Training - February 15



H-GAC is hosting a [Texas Stream Team](#) volunteer water quality monitor training from 9 a.m. to 4 p.m. **Friday, February 15**, at Buffalo Bayou Partnership, 1019 Commerce Street, Houston.

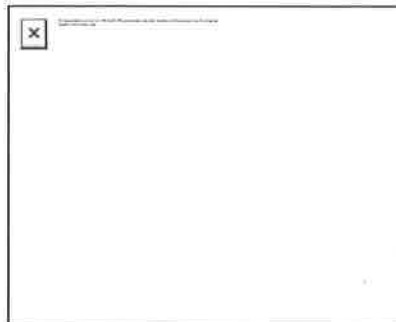
[Registration](#) is open and limited to 10 volunteers. Please share this information with friends and colleagues who might have an interest in becoming a volunteer water quality monitor, especially in the eastern part of Houston and Harris County.

More than 400 Texas Stream Team volunteers, including about 100 in the Houston-Galveston region, collect water quality data on lakes, rivers, and streams as part of this statewide program.

[Learn more](#) about getting involved in Texas Stream Team and sign up for the trainings online or by contacting [stream.team@h-gac.com](mailto:stream.team@h-gac.com).

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## Coastal Communities Water Quality Outreach Workgroup Meeting - February 19



Save the date for the next H-GAC [Coastal Communities](#) Water Quality Outreach Workgroup meeting at 2 p.m. **Wednesday, February 20**, at Alvin Community College.

Representatives from city and county governments, schools, and community groups in Brazoria, Chambers, Galveston, and Matagorda counties are invited to become part of the group. Participants can network with outreach and education

partners and other governments about starting a conversation with residents to prevent water pollution in their communities.

Contact [Becki Begley](#) at 713-993-2410 to be added to the contact list for this group.

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## **Solid Waste Workshop Series: Environmental Enforcement - February 21**

H-GAC will host a [Solid Waste Workshop](#) focusing on environmental enforcement from 8:30 a.m. to 12:30 p.m. **Thursday, February 21**, at H-GAC Conference Room B, Second Floor. Continuing Education Units (CEUs) will be offered.



Topics for the workshop include:

- Using Technology
- Putting Together a Case for Court
- Challenges of Rural Enforcement
- How Code Enforcement and Peace Officers Can Work Together
- Preventing Future Illegal Dumping
- Overview of Environmental Enforcement Law

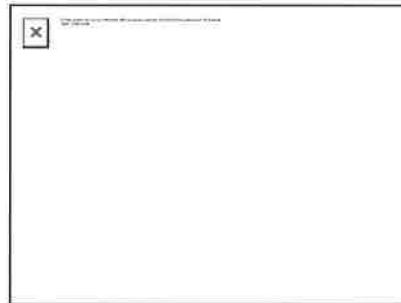
Registration is requested. For more information, contact [Becki Begley](#) at 713-993-2410.

Future workshops will focus on recycling, food waste recovery, and special wastes.

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## **Coastal Basin Bacteria Reduction Meetings - February 21, March 12**

H-GAC and the Texas Commission on Environmental Quality invite area stakeholders to help create a plan to reduce high concentrations of bacteria found in two coastal basins. Meetings to discuss sources of bacteria, form committees to consider options to reduce bacteria, and develop plans to act on those options are scheduled for two of the impacted watersheds.



Caney Creek/Linville Bayou (Basin 13)

**February 21**

5 to 7 p.m.

Bay City Civic Center

201 Seventh Street, Bay City

Oyster Creek (Basin 11)

**March 12**

2 to 4 p.m.

Brazoria County Library-Lake Jackson

250 Circle Way, Lake Jackson

Bacteria concentrations above the state's water quality standards for contact recreation pose a potential risk to people coming into contact through fishing, swimming or wading. H-GAC needs input from local governments, permit holders, and residents to make these plans successful.

For more information, contact [Steven Johnston](#) at 832-681-2579.

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## Clean Waters Initiative - February 26



The next [Clean Waters Initiative \(CWI\) workshop](#) will be from 10 a.m. to 1 p.m. **Tuesday, February 26**, at H-GAC Conference Room B, Second Floor. The topic will be [Funding Opportunities for Water/Wastewater Infrastructure](#). Speakers from funding agencies will discuss various grant and loan programs. The workshop will consist of two hours of presentations, followed by an optional hour-long meet-and-greet to allow attendees to meet one-on-one with representatives to ask specific questions and pick up applications and informational literature in an open house-style setting.

The CWI program offers workshops that help local governments, landowners, and residents develop effective strategies to reduce pollution in area waterways.

[Registration](#) is requested. For more information, contact [Brian Sims](#) at 713-993-2438.

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## International Management District Livable Centers Study Kick Off - February 2, 9, and 28



H-GAC and project partners will kick off the [International Management District Livable Centers Study](#) this month. The study will analyze existing conditions in the boundaries of the International Management District and make recommendations that guide future land use and transportation investments in the area.

Specifically, the study seeks to identify ways that the district can create a more walkable, mixed-use, transit-served neighborhood that is both a destination and a great place to live, work, and play.

H-GAC staff will discuss the project at three upcoming events:

- [Texas International Lunar Festival](#) from 11 a.m. to 5 p.m. **Saturday, February 2**, at 11122 Bellaire Blvd., Houston
- [TexAsia Lunar New Year](#) from 10 a.m. to 5 p.m. **Saturday, February 9**, at 8388 W Sam Houston Parkway South, Houston
- **Public Meeting #1**, at 6:30 p.m. **Thursday, February 28**, Elsie Ninth Grade Center Cafeteria, 6767 S. Dairy Ashford, Houston

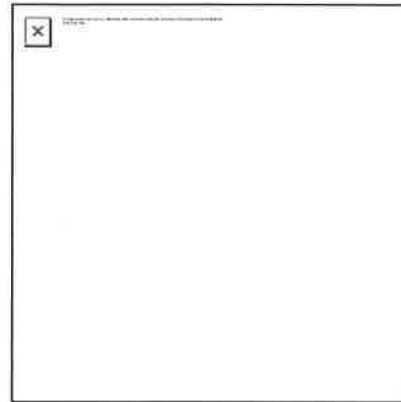
For more information, contact [Anita Hollmann](#) at 713-993-4587.

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## Trash Bash - March 30

The [River, Lakes, Bays 'N Bayous Trash Bash](#) will be from 8 a.m. to noon **Saturday, March 30**. There are [16 locations](#), including a new site in Lake Jackson. Visit the [Trash Bash website](#) to find out where to volunteer, get registration information, donate online to support the cleanup, and more.

Groups of 10 or more can complete a [group reservation](#) to let the site coordinator know in advance. Individual registration on the day of the event is still required for each member of the group. All volunteers get a t-shirt, lunch, cleanup supplies, chances to win door prizes, and opportunities to learn more about preventing water pollution.



## Bringing Back Main Street Roundtable - April 23

Save the date for H-GAC's next [Bringing Back Main Street Roundtable](#) scheduled from 9:30 a.m. to noon **Tuesday, April 23**. The location and topic are to be determined.

H-GAC hosts quarterly roundtables to help local governments, chambers of commerce, and economic development interests promote the economic revitalization of downtown areas.

For more information, contact [Joey Kaspar](#) at 713-993-4547.



# Announcements

## Deadline to Submit WISE Awards Application is February 7

H-GAC will accept [Water Innovation Strategies of Excellence \(WISE\) Awards](#) until **Thursday, February 7**.

The [WISE Awards](#) are a new initiative honoring innovative strategies and projects in the Houston-Galveston region that serve as models for improving water quality in four categories: Planning and Policy; Education and Public Awareness; Built Project (Greater than \$500k); and Built Project (Less than \$500k). Winning projects must exhibit efficiency, effectiveness, and innovation.

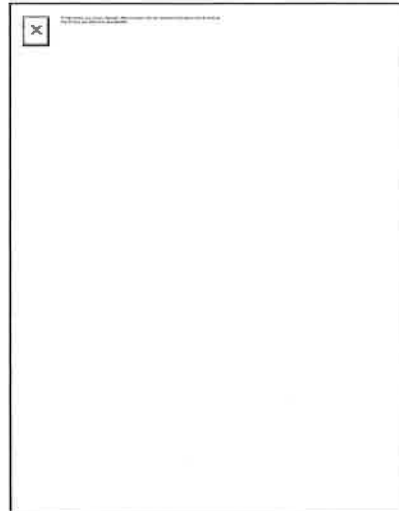
For more information, visit [www.h-gac.com/go/wise](http://www.h-gac.com/go/wise) or e-mail [Kathy Janhsen](#).



## H-GAC Releases 2018 Regional Land Cover Data

The Community and Environmental Planning GIS program at H-GAC developed the 2018 Regional Land Cover Data.

The dataset was developed based on 2017 and 2018 LandSat 8 Operational Land Imager (OLI) and the Thermal Infrared Sensor (TIRS) scenes of 30-meter resolution acquired from the USGS. Four scenes with 0 to 5 percent cloud cover were used to cover the entire area. Using supervised and unsupervised classification techniques in ENVI remote sensing package and ArcGIS Image Analysis Extensions, the imageries were classified into 10 major land cover classes. Classification classes were determined based on the NOAA and NLCD land cover classification schemes. The output cell size is in 30-meter resolution.



The [data is available for download](#).

## EPA Accepts West Fork San Jacinto River and Lake Creek Watershed Protection Plan



The U.S. Environmental Protection Agency has accepted the West Fork San Jacinto River and Lake Creek Watershed Protection Plan, which is now in implementation.

The focus of the plan is reducing bacteria, improving dissolved oxygen, and raising awareness of water quality in the West Fork San Jacinto River and Lake Creek watersheds. H-GAC, the Texas Commission on Environmental Quality, and local partners developed the plan as a voluntary means of addressing water quality issues that affect local health, economy, and environment.

H-GAC is working with local partners to schedule a series of educational and outreach events to move forward voluntary recommendations in the plan. For more information, contact [Justin Bower](#) at 713-499-6653.

## Plans Underway to Begin Watershed Protection Plan for Cypress Creek



H-GAC is beginning a watershed protection plan project for Cypress Creek. The project will take place over two years and will build on work done during the West Fork San Jacinto River and Lake Creek Watershed Protection Plan project.

H-GAC is developing the scientific data needed to support stakeholder discussions and will schedule the first meeting in the spring. The project will focus on voluntary ways to improve water quality in the Cypress Creek watershed with a focus on reducing bacteria levels, improving dissolved oxygen, and addressing other stakeholder concerns.

Cypress Creek is a primary tributary of Lake Houston, which serves as a popular recreation destination and drinking water source for many communities in Houston.

For more information, contact [Justin Bower](#) at 713-499-6653.

## Our Great Region 2040 Award Winners

H-GAC presented the [Our Great Region Awards](#) in January to recognize outstanding projects focusing on transportation, the environment, economic development, resiliency, housing, and healthy communities.

- **The Excellence Award** - Avenue Community Development Corporation for their *Avenue to Opportunity* project. This award, the highest honor, recognizes the project best advancing the vision of the [Our Great Region 2040 plan](#).
- **The Connection Award** - Harris County Transit- RIDES Program for the *RIDES Program*. This award honors projects advancing two or more of the [Our Great Region 2040 plan's](#) strategies through innovative partnerships.
- **The Diligence Award** - West Houston Association for the *West Houston 2060 Plan*. This award honors an implemented project executing a creative and tenacious approach to overcome challenges to implementation.
- **The Opportunity Award** - Texas A&M University for their *Resilience Through Regeneration Project*. This award honors a project helping to overcome disparities in access to opportunity.
- **The Reach Award** - City of Houston for the *Complete Communities Project*. This award honors a project demonstrating exemplary public participation.



Avenue Community Development Corporation received the Excellence Award.

More information about the [Our Great Region Awards](#) is available online.

## Partner Announcements

### Texas Homeowner Assistance Program

Assistance may be available for homeowners whose homes were damaged by Hurricane Harvey through the [Texas Homeowner Assistance Program](#). Complete the application in person at the [Montgomery County Mobile Intake Center](#), at the East Montgomery County Courthouse, 21130 U.S. Highway 59, New Caney, Texas. Program representatives will be available from 9 a.m. to 4 p.m. on Mondays. Individuals affected by Hurricane Harvey may qualify for assistance through the program to repair, rehabilitate, or rebuild if they owned their home, it was damaged or destroyed by Hurricane Harvey, and it was their primary residence at the time of the storm, among other eligibility factors. Applications are available online or may be completed in-person. For more information, visit [recovery.texas.gov/hap](http://recovery.texas.gov/hap) or call 1-844-893-8937.



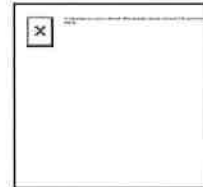
**Exhibitor Registration Open for Earth Day Houston**

Early registration for exhibitors for [Earth Day Houston at Discovery Green](#) is open through **Thursday, February 14**. Hosted by Discovery Green Conservancy in partnership with Citizens' Environmental Coalition, and sponsored by Green Mountain Energy, this year's event will be from noon to 5 p.m. Sunday, April 14. Featuring exhibits, bands, food, speakers, and more, the 2019 celebration supports Discovery Green's mission of providing free events that promote a healthy environment and sustainable operations. Exhibitor space is limited, and the price to register increases on Friday, February 15. Exhibitor Registration closes Thursday, March 14.



### Scenic City Applications Available

H-GAC and Scenic Texas support vibrant, healthy communities across the state. Partnering with Scenic Texas and other agencies to form the [Scenic City Certification Program](#) has been a natural fit for H-GAC. See the full roster of certified Scenic Cities and review program requirements by exploring [www.sceniccitycertification.org](http://www.sceniccitycertification.org). The 2019 application is now available for review, and the 2019 application period ends **Sunday, March 31**.



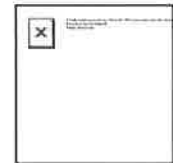
### Keep Texas Beautiful Awards

Each year, [Keep Texas Beautiful](#) honors Texas communities, businesses, schools, media outlets, and individuals who work to keep the environment clean. Learn more about the [Individual and Organization Awards](#), the [Governor's Community Achievement Awards](#), and the [Youth and Educator Awards](#). Applications are due in February and April.



### Treasures of the Texas Coast Art Contest

The Texas General Land Office Adopt-A-Beach program invites kindergarten-sixth grade students to participate in the annual [Treasures of the Texas Coast Children's Art Contest](#). The purpose of this contest is to encourage young artists to learn about natural resources along the Texas coast. The deadline to enter is **Friday, March 1**.



### Take Care of Texas Art Contest

The Texas Commission on Environmental Quality is hosting the [Take Care of Texas Art Contest](#) for kindergarten-fifth grade students to depict positive ways to help keep the air and water clean, conserve water and energy, and reduce waste. The deadline to enter is **Friday, March 1**.



## More Upcoming Events

### EIH Surface Water Quality Monitoring Techniques Course

The Environmental Institute of Houston at the University of Houston-Clear Lake is offering a [two-part training course focusing on surface water quality monitoring techniques](#). This course will cover methods and protocols outlined in the Texas Commission on Environmental Quality's Surface Water Quality Monitoring guidelines. The partial course (**March 18**) will cover fundamental techniques for water quality and hydrological monitoring. The full course (**March 18-21**) will cover additional techniques and protocols. Each course day will consist of classroom and field-based instruction. [Registration](#) closes **Monday, March 4**. For more information, email [EIH@uhcl.edu](mailto:EIH@uhcl.edu) or call 281-283-3950.



## Funding Sources

### H-GAC Wastewater Assistance Program Helps Homeowners

H-GAC's [Wastewater Assistance Program](#) offers funding for the repair or replacement of conventional septic or aerobic wastewater systems in the 13-county H-GAC planning region. Homeowners who meet certain income restrictions are eligible.

For more information, contact Brian Sims at 713-993-2438 or learn [more about maintaining these systems](#).



### Financial Assistance Available Through AirCheck Texas

The AirCheck Texas - Drive a Clean Machine Program is designed to help motorists in Brazoria, Fort Bend, Harris, Galveston, and Montgomery counties comply with vehicle emissions standards.

[AirCheck Texas](#) offers financial incentives to repair or replace currently driven vehicles. An applicant will receive both a financial and environmental benefit while contributing to air quality solutions by removing older vehicles from Texas roadways.

For more information, visit [www.aircheckhouston.com](http://www.aircheckhouston.com) or call 832-681-2527.



### EPA Environmental Justice Small Grants Program

The U.S. [Environmental Protection Agency's Environmental Justice Small Grants Program](#) provides funding directly to community-based organizations for projects that help residents of underserved communities understand and address local environmental and public health issues.

Projects should engage, educate, and empower communities to better understand local environmental and public health issues and develop strategies for addressing those issues, building consensus in the community, and setting community priorities.

Applications are due **Friday, February 15**.



## Texas Clean Fleet Program Grant Funding

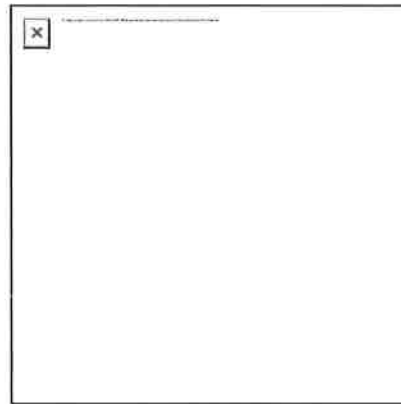
The Texas Commission on Environmental Quality's [Texas Clean Fleet Program](#) is offering approximately \$7.7 million in grants to encourage businesses that operate large fleets of vehicles in Texas to replace diesel-powered vehicles with alternative fuel or hybrid vehicles. Applications are due **Monday, February 18**.



For more information, e-mail [terp@tceq.texas.gov](mailto:terp@tceq.texas.gov) or call 800-919-TERP (8377).

## Transportation Alternatives, Safe Routes to Schools Funding Programs

The Texas Department of Transportation (TxDOT) announces an upcoming call for projects for bicycle and pedestrian infrastructure. Two sources of funding will be included: Transportation Alternatives (TA) \$10.6M and Safe Routes to Schools (SRTS) \$8.7M.



Eligible projects include sidewalks, bikeways, shared use paths, traffic calming measures, and other safety improvements for non-motorized travel.

The 2019 TA/SRTS Call for Projects will have a two-step process:

- Preliminary Project Applications will be due in April 2019
- Detailed Project Applications will be due in August 2019

For more information, including eligibility requirements and upcoming workshops, visit [TxDOT's Bicycle and Pedestrian Funding web page](#).

TxDOT and H-GAC will host an informational workshop from 9 a.m. to noon **Thursday, February 14**, at the Johnny Arolfo Civic Center, 400 W. Walker, League City.

## Rural Utilities Service Water & Environmental Programs

The [USDA's Rural Utilities Service Water and Environmental Programs \(WEP\)](#) has \$165,475,000 in supplemental grant funding available for repairs to drinking water systems and sewer and solid waste disposal systems impacted by Hurricanes Harvey, Irma, and Maria.



Applications will be **accepted on a continual basis** until funds are exhausted. Entities wishing to apply for assistance or needing additional information should contact:

USDA Rural Development State Office  
Federal Building, Suite 102  
101 South Main, Temple, TX 76501

(254) 742-9700/TDD (254) 742-9712

Local water and sewer departments having workforce challenges to recruit and retain qualified workers within the Houston-Galveston region are encouraged to contact [Traci Nolen](#) at 713-993-2468.

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## EDA Harvey Recovery Grants

The U.S. Economic Development Administration's (EDA) Austin regional office received \$129,119,000 in supplemental funding for disaster relief and is actively seeking projects to help communities in the Houston-Galveston region recover from Hurricane Harvey.



The recently released [Notice of Funding Opportunity](#) outlines the requirements, which include the following:

- Projects require a 20 percent match, which can include in-kind contributions
- Typical projects will range from \$1-\$2.5 million
- Applications are accepted on a rolling basis
- Projects must demonstrate a nexus to Harvey in terms of economic recovery or resilience
- Eligible applicants include governments, nonprofits, and universities

For more information, contact [Robert Peche](#) of the EDA.

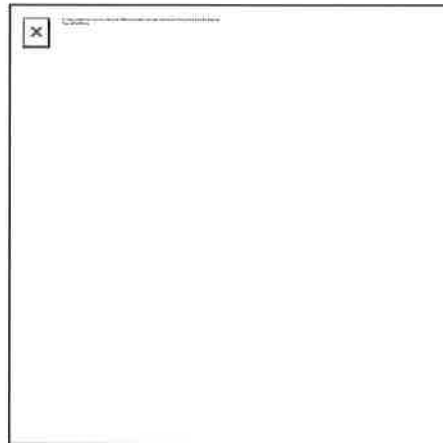
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## Additional Funding Opportunities

H-GAC has compiled a list of [local, regional, state, federal, and private funding sources](#) for local governments and other organizations. H-GAC also maintains a list of ongoing [funding opportunities for parks improvements](#).

If you know of a funding opportunity, forward it to [Andrea Tantillo](#).

*All content, including links to websites, is for informational purposes only. Users of this content are responsible for checking its accuracy, currency, and suitability.*



## Community and Environmental Planning Programs

### Mapping Applications

Looking for interactive applications or GIS data related to the H-GAC Community and Environmental Planning Department? Visit H-GAC's [interactive applications web page](#) to see the latest information, including Census, Regional Forecast, and more.



**Facebook**

H-GAC has a [Facebook page](#) where information about current and upcoming events is posted. Please visit and like H-GAC's page. While there, visit other H-GAC pages on Facebook, including [Recycling](#), [Trash Bash](#), [Regional Data Lab](#), [Bacteria Implementation Group \(BIG\)](#), [West Fork Watersheds Partnership](#), and [Cedar Bayou Watershed Partnership](#).



**Twitter**

Find the latest information about activities around the region at H-GAC's Twitter feed [@hgaccog](#). H-GAC's water resources program also offers Twitter updates on water quality issues in the region [@HGACwater](#).

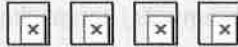


All meetings scheduled at H-GAC conference rooms are at [3555 Timmons Lane, Houston, Texas](#).

Banner Photo: Seagull on the beach on Bolivar Peninsula. Photo by Jeff Taebel

Would you like us to consider featuring your municipality, program, or regional photo on the C&E Planning Update banner? Just forward [Andrea Tantillo](#) your picture, along with some information about the subject and the photographer, and you might see it in a future month's newsletter.

**STAY CONNECTED:**



Houston-Galveston Area Council, PO Box 22777, Houston, TX 77227-2777

SafeUnsubscribe™ [steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)

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Sent by [andrea.tantillo@h-gac.com](mailto:andrea.tantillo@h-gac.com) in collaboration with



Try it free today

# ADDRESSING BACTERIA IMPAIRMENTS IN BASINS 11 AND 13

Natural Resource Advisory Committee  
February 6, 2019

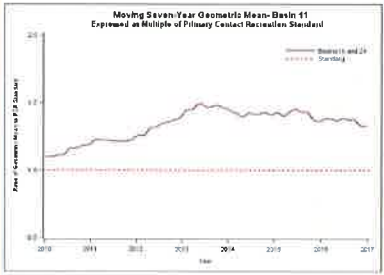


# BASIN 11


## Bacteria



## Bacteria Trends




## Basin 11 Watershed Planning



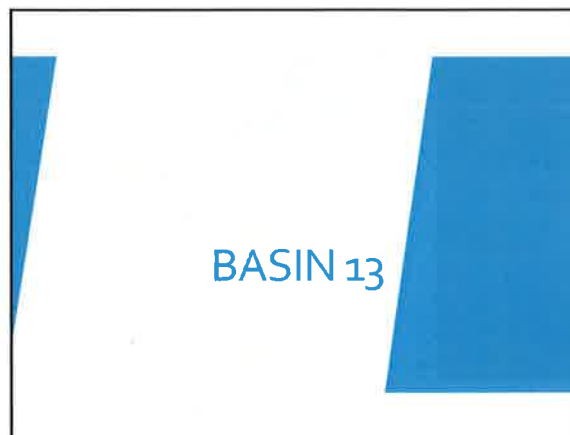
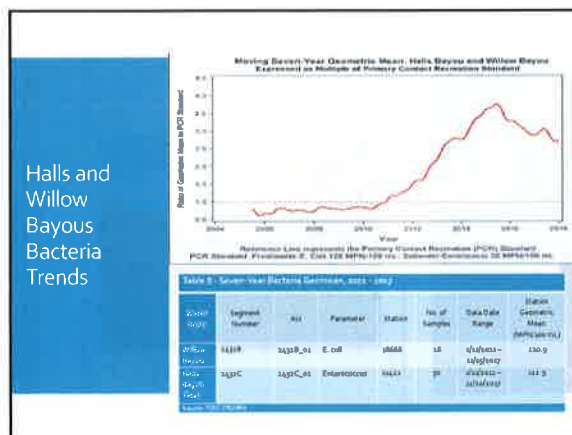
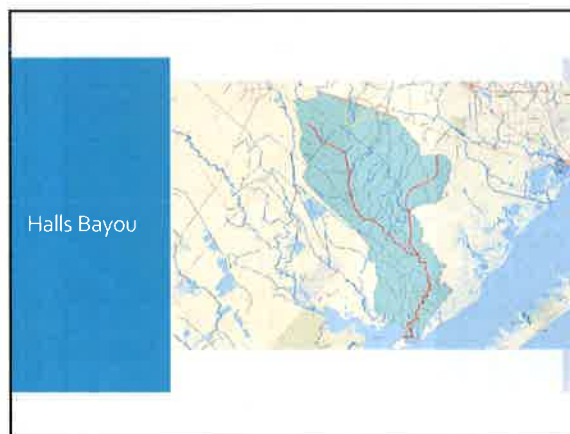
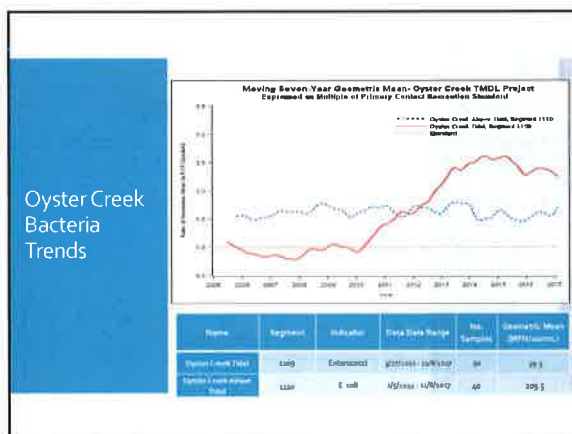
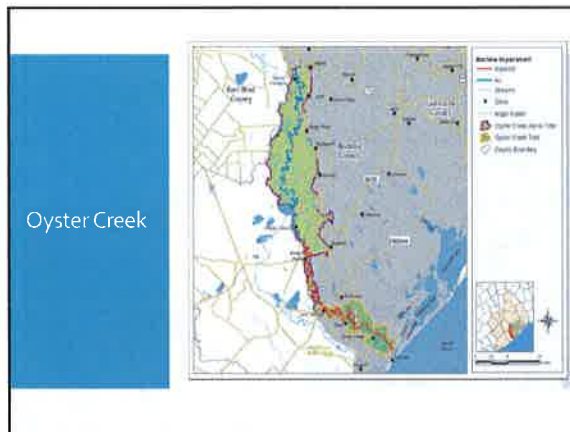
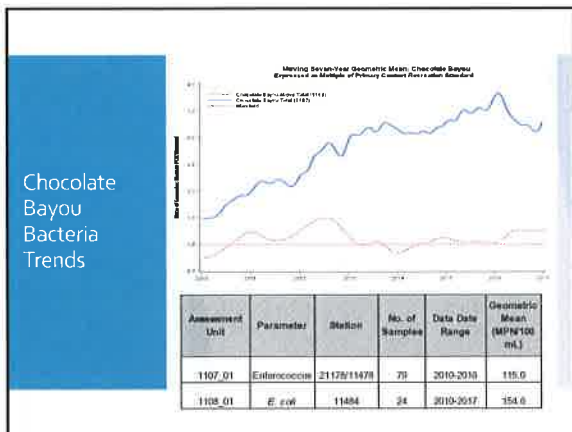
## Chocolate Bayou Status

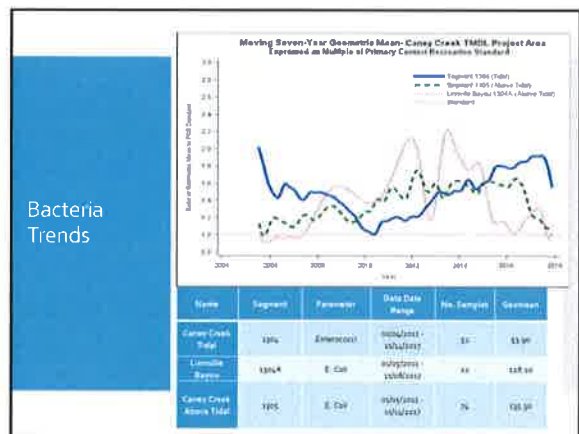
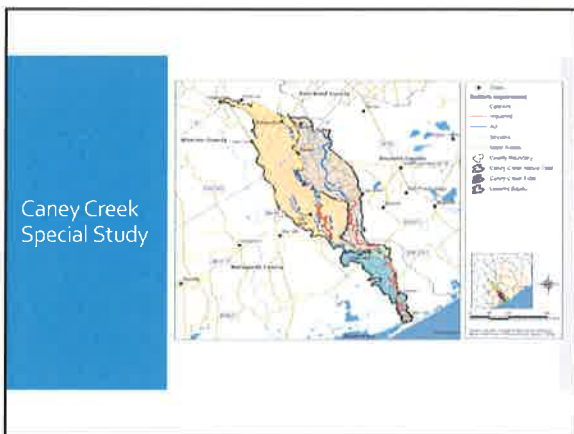
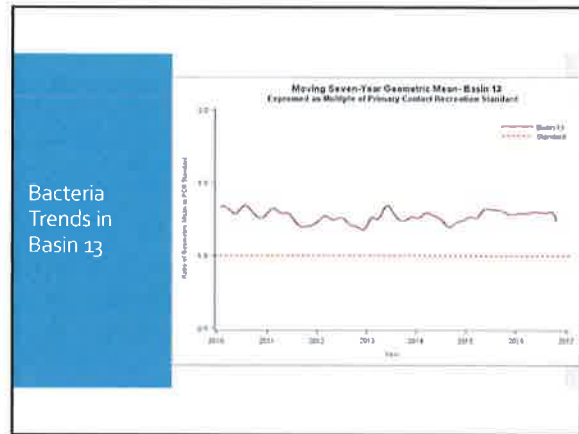
Technical Support Document for Total Maximum Daily Loads for Indicator Bacteria in the Chocolate Bayou Watershed

Segments: 1107 and 1108



July 2017





### Implementation

- Coastal Communities
  - Watershed Assessment
- DSSE SEP
  - Watershed Assessment
- Trishelzicki Lake Jackson
  - Watershed Assessment
- Texas Stream Team
  - Watershed Assessment
- Workshops
  - Watershed Assessment (July 2017)
  - DSSE (July 2017)
  - Stream Assessment (June 2018)
  - Ag/Rest/Habitat

### THANK YOU!

Steven Johnston  
H-GAC  
Box 511-2578  
steven.johnston@h-gac.com





## Calendar

[View Month](#) : [View Day](#) : [View Event](#)

**Saturday, February 16, 2019**

[Export this Event](#)

### Public Education Program "Keeping Your Septic System Functioning Properly"

**Location:** FOR Community Center, 20450 CR 510 B

**Start Time:** 10am to 12pm

**Description:** Public Education Program #1: Keeping Your Septic System Functioning Properly" - understand the operation and maintenance of your conventional septic system or aerobic treatment unit. Learn about EPA and TCEQ funding available this year to pump out and inspect 25 septic systems in the San Bernard Watershed

Speaker Ryan Gerlich, Texas A&M AgriLife Extension Service

FREE. Public invited.

Stay Informed  
Update  
Your Info





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**Houston-Galveston Area Council**

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June 13, 2019

Mr. Jason Leifester (MC 203)  
TMDL Project Manager  
Water Quality Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, Texas 78753

RE: June 2019 Progress Report for Contract 582-18-81222, Work Order 3, Basin 13.

Dear Mr. Leifester:

Enclosed is one (1) copy of the FY 2019 3<sup>rd</sup> Progress Report for Contract No. 582-18-81222-03. It covers all deliverable activities for the project period March 1, 2019 through May 1, 2019. Financial Statements, HUB report and Voucher will be submitted separately.

Included in this Report are:

1. One copy of the quarterly progress report for March 1, 2019 thru May 1, 2019.
2. Copies of meeting summaries and other pertinent materials from project related meetings.

We hope you find the quarterly report satisfactory. Any comments you have will be appreciated. If you have any questions, please contact me by phone (713-993-4549) or E-mail ([todd.running@h-gac.com](mailto:todd.running@h-gac.com)).

Sincerely,

Todd Running  
Water Resources Program Manager  
Community & Environmental Planning Dept.

CC Jazmyn Milford  
Chris Loft

TR/srj  
Enclosures



**TMDL Program  
FY 2018 Progress Report #3**

**Date: June 13, 2019**

**Time Period Covered: 3/01/2019 – 5/31/2019**

**Name of Project: Basin Approach to Address Bacterial Impairments in the Brazos – Colorado Coastal Basin (Basin 13)**

**Contract No./Work Order 582-18-81222-03**

**TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Monthly Progress Report	June 15, 2019	Monthly report for Work Order submitted electronically on June 13, 2019
Invoice	December 15, 2018	Invoices will be submitted under another cover.
Weekly Reports	Weekly	Provided as an attachment.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Draft meeting materials will be sent to the TCEQ Project Manager at least two weeks prior to distribution for each meeting	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> Caney Creek Coordination Committee meeting was held on February 21, 2019. A draft presentation w/agenda was shared with TCEQ 2/12/2019.</li> <li>• 1<sup>st</sup> Basin 13 Leadership Forum was held March 21, 2019 in the city of Wharton. A draft presentation w/agenda was shared with TCEQ 3/18/2019.</li> <li>• The Second Caney Creek Coordination Committee meeting was planned for May 9, 2019. A draft presentation w/agenda was shared with TCEQ 5/5/2019. Meeting had to be canceled.</li> </ul>
Host two, and up to four total, watershed stakeholder meetings (Task 2.2)	As needed	<ul style="list-style-type: none"> <li>• A public meeting was held November 1, 2018.</li> <li>• A Caney Creek Coordination Committee Meeting was held February 21, 2019.</li> <li>• 1<sup>st</sup> Basin 13 Leadership Forum was held March 21, 2019 in the city of Wharton. A draft presentation w/agenda was shared with TCEQ 3/18/2019.</li> </ul>
Summary of meetings (Task 2.3)	Within 2 weeks after meetings	A summary of the Leadership Forum was provided with the weekly reports. A formal summary is included with this report.
List of general stakeholders (Task 2.4)	With PRs	A stakeholder list is maintained and updated as needed.
Facilitate delivery of Extension programs (Task 2.5)	As needed	No extension programs provided this quarter.
Public participation/outreach summaries (Task 2)	With PRs	A summary of the Leadership Forum was attached to this report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work related to this task focused on planning for the Leadership Forum and the 2<sup>nd</sup> Caney Creek Coordination Committee meeting. This included:

- Updating potential stakeholder contact information
- Identifying and scheduling a meeting location
- Drafting meeting announcement
- Emailing meeting announcement and follow-up
- Drafting and mailing a targeted letter to Caney Creek local officials and permittees, and
- Creating the meeting agenda and presentation

The Leadership Forum was intended for local governments and permit holders within the six-county region that includes all of Basin 13. Elected officials, municipal staffs, and permit holders were sent letters announcing the meeting and a one-page summary of Basin 13. The letter was followed up with a personal email and/or call to specifically invite target leaders within the Caney Creek watershed. Eight stakeholders attended the meeting because of the outreach effort. Wharton and Matagorda County Commissioners were in attendance. Additionally, four cities from Austin, Colorado and Wharton Counties in attended. The attached summary provides a list of the attendees. H-GAC staff provided a summary of Basin 13’s water quality data and impairments, reviewed the watershed-based planning process, and discussed management options for addressing impairments. The meeting included a facilitated discussion focused on how best to reach local governments with completed draft documents for their review and how to coordinate future implementation on a basin wide fashion.

Staff worked to schedule the 2<sup>nd</sup> Caney Creek Coordination Committee meeting for May 9, 2019 in Sargent. Staff worked to expand the stakeholder list, reaching out to independent school districts – Boling and Van Vlek and to WWTF permit holders. The meeting was not held due to the threat of severe weather. The meeting has been rescheduled for July 11, 2019 in Sargent.

**TASK #3 EXISTING DATA QAPP MAINTENANCE**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP annual update (Task 3.1)	30 days after issuance of Notice to Proceed	Annual update for FY2019 submitted to TCEQ in September 2018.
QAPP amendments (Task 3.2)	As needed	None were needed.
QAPP CARs (Task 3.3)	As needed	No CARs were needed.
Quality assurance audits (Task 3.4)	Will participate as needed	An audit was not performed this quarter.

**Work Performed This Period**

No work was performed related to this task during the quarter.

#### TASK #4 TMDL AND DEVELOPMENT OF SPECIFIC KEY ELEMENTS OF A WPP FOR THE CANEY CREEK WATERSHED

Deliverable(s)	Due Date	Status
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft TMDL (Task 4.1)	June 30, 2017	Work started in April.
Work Group Meetings (Task 4.2)	As needed.	The Caney Creek CC met on February 21, 2019 in Bay City.
Final TMDL Document with WPP Elements (Task 4.3)	Two weeks after receipt of TCEQ comments	No progress to report.

#### Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:

The 2<sup>nd</sup> stakeholder meeting was scheduled for May 9, 2019. The meeting was canceled due to the threat of severe weather. At the meeting, stakeholders were going to take a management measure survey that would be used to further refine key elements of the WPP, specifically Element C. The meeting has been rescheduled for July 11, 2019. The survey will be provided to them at this meeting.

Staff started to draft the TMDL and update the TSD to include revised LDCs. The LDCs are being revised to address the impact of effluent contributions on the monitored flow recorded at the USGS station on the Tres Palacios. The flow data from Tres Palacios is used to estimate continuous flow in Caney Creek and Linnville Bayou as there is no flow gauge. The change in LDCs will also affect the draft TMDL calculations.

#### TASK #5 COORDINATE WITH TEXAS STREAM TEAM PROGRAM

Deliverable(s)	Due Date	Status
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 5.1)	Provide summaries with PRs	No progress to report.
Target volunteer efforts (Task 5.2)	Provide summaries with PRs	No progress to report.

#### Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:

H-GAC staff are discussing the next training event. H-GAC will likely host the event within the watershed during the month of August.

#### PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS

- 1) Presentations:
  - a. No presentations given this quarter.
- 2) Meetings, Events and Conferences:
  - a. April 10, 2019 – staff met with Tom Ronayne of the Friends of the River. Staff are working to develop a wall map to assist them with implementation.
- 3) Associated Implementation Projects and Programs
  - a. H-GAC's OSSF SEP is continues to work in the area.

**BRIEF DESCRIPTION OF OVERALL FINDINGS:**

H-GAC focused this quarter on planning and conducting the Basin 13 Leadership Forum. Ten stakeholders were present at the meeting. The purpose of the forum is to prepare the attendees for draft watershed-based plans, provide a venue for review and comment on the draft documents, and to begin considering opportunities to implement watershed-based plans, including the completed San Bernard River WPP. Staff also began planning the 2<sup>nd</sup> Caney Creek CC meeting. The meeting was canceled and rescheduled do to severe weather. Staff also began to draft the TMDL document and address changes to the flow.

**Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):**

No problems were encountered this quarter.



Search H-GAC

Search

# Brazos-Colorado Coastal Basin Bacteria Reduction Project

## Watershed Characteristics

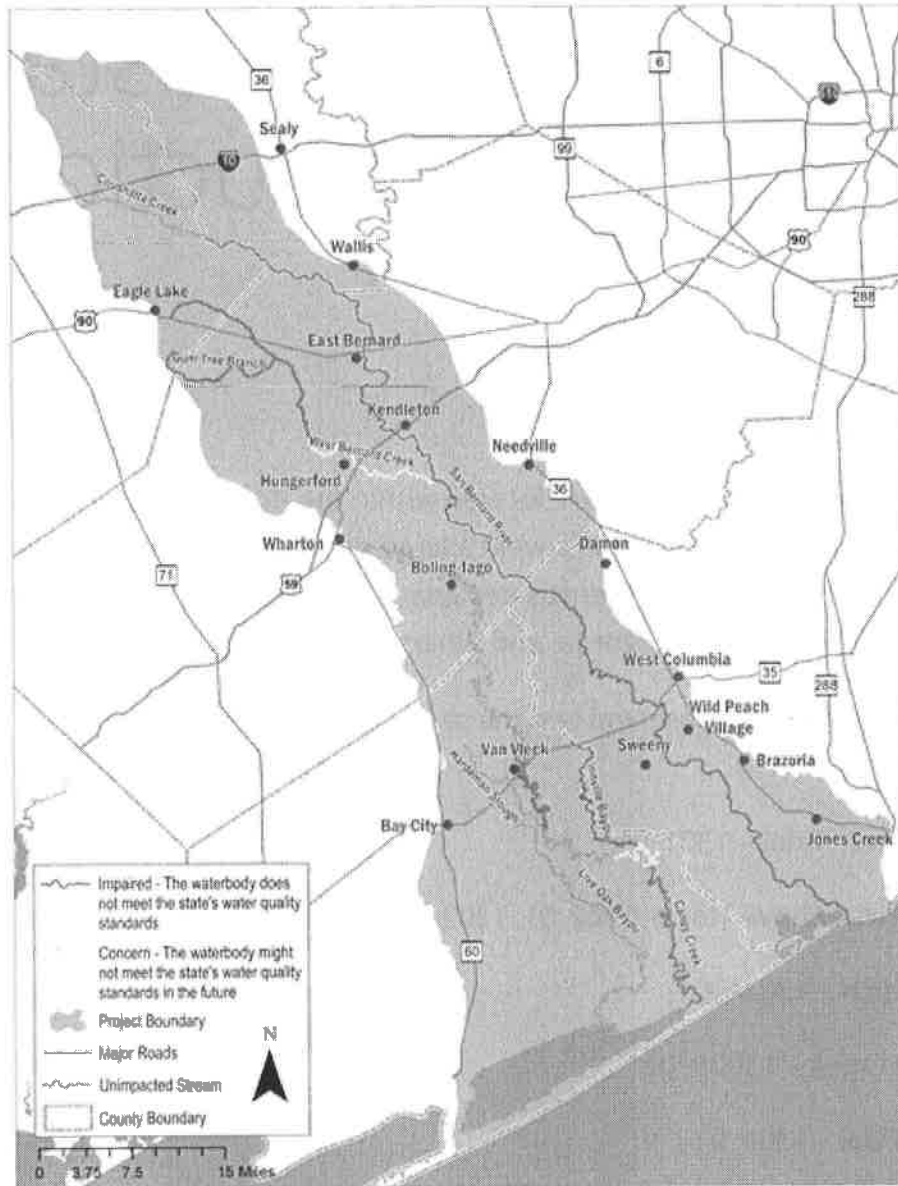
The streams addressed by this project are located within the Brazos-Colorado Coastal Basin, referred to as Basin 13. The Basin covers a large geographic area, and includes all or a portion of 20 cities, villages, and census-designated places and six counties: Austin, Brazoria, Colorado, Fort Bend, Matagorda, and Wharton.

H-GAC will analyze bacteria impairments on the segments and assessment units in Basin 13:

- San Bernard River Tidal – 1301\_01;
- San Bernard River Above Tidal – 1302\_01, 1302\_02, and 1302\_03
- Gum Tree Branch – 1302A\_01
- West Bernard Creek – 1302B\_02
- Caney Creek Tidal – 1304\_01
- Linnville Bayou – 1304A\_01
- Caney Creek Above Tidal – 1305\_02

H-GAC will also analyze use concerns for bacteria for the following segments and AUs, identified in the draft 2014 Texas Integrated Report of Surface Water Quality for Clean Water Act Sections 305(b) and 303(d).

- West Bernard Creek – 1302B\_01
- Caney Creek Tidal – 1304\_02
- Caney Creek above Water Hole Creek – 1305B\_01



*Click the image above for a full size version.*

## About the Project

This effort will be a multi-year process to identify, plan, and address bacteria impairments across the basin in coordination with local stakeholders. The entire basin will be reviewed, with each watershed addressed individually based on water quality data and stakeholder

feedback. Watersheds with common issues may be grouped together for implementation efforts to encourage collaboration between stakeholders.

## Characterization Report

Basin Characterization Report for the Brazos-Colorado Coastal Basin for Indicator Bacteria:

- [Year One](#)

- [Year Two](#)

## Upcoming Meetings

### **PUBLIC MEETING CANCELLED**

The public meeting scheduled for Thursday, May 9 in Sargent, TX to discuss the work completed to date and next steps for Caney Creek and Linville Bayou has been cancelled. A new meeting date and time will be posted at a later date.

## Past Meetings

Meeting 5 - November 1, 2018 1



Meeting 4 - May 15, 2018 1



Meeting 3 - December 7, 2017 1



Meeting 2 - August 1, 2017 2



Meeting 1 - November 28, 2016 1



Total Maximum Daily Loads and Implementation Plans (TMDL)

TMDL Frequently Asked Questions

Brazos-Colorado Coastal Basin Bacteria Reduction Project

East and West Forks of the San Jacinto River TMDL and  
Implementation Plan

Houston Ship Channel and Galveston Bay TMDL and Implementation  
Plan

San Jacinto-Brazos Coastal Basin Bacteria Reduction Project

Upper Oyster Creek TMDL and Implementation Plan

## Contact

---

Steven Johnston

Senior Planner

(832)-681-2579

[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)

## TMDL Study Resources

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### [TMDL Frequently Asked Questions](#)

## H-GAC News & Events

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There are no news items at this time.

[Careers](#)

[Legal Disclaimer](#)

[Privacy Policy](#)

[Site Feedback](#)

[Intranet](#)

## Johnston, Steven

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**From:** Janhsen, Kathy  
**Sent:** Thursday, March 21, 2019 7:21 AM  
**To:** Johnston, Steven  
**Subject:** REMINDER - Leadership Forum for the Brazos-Colorado Coastal Basin on Mar. 21

*Reminder to local officials and community leaders that the Brazos-Colorado Coastal Basin: Leadership Forum Meeting is today, March 21, 2019.*

## BRAZOS-COLORADO COASTAL BASIN: LEADERSHIP FORUM MEETING

Many of the bayous and streams within the Brazos-Colorado Coastal Basin fail to meet state water quality standards for contact recreation activities, such as swimming and wading. In 2017, a bacteria reduction plan for the San Bernard River was approved. Currently, the Houston-Galveston Area Council, in conjunction with the Texas Commission on Environmental Quality, is working with local stakeholders to develop a separate bacteria reduction plan for Caney Creek and Linville Bayou.

### LEADERSHIP FORUM MEETING

Coordination on all bacteria reduction plans in the basin is crucial to ensuring successful plan implementation. **Local elected officials, wastewater treatment discharge permittees, and other key decision-makers** in the basin are invited to attend a meeting learn more about our joint efforts and provide additional project input.

The first Leadership Forum is scheduled for:

Thursday, March 21, from 10 a.m. to Noon  
Wharton Civic Center  
1924 N. Fulton Street, Wharton

During this meeting, Houston-Galveston Area Council staff will provide a high-level overview of the issues facing the basin, discuss specific elements of the Caney Creek and Linville Bayou bacteria reduction plan, and begin to identify opportunities for leaders within the basin to collaborate on implementation activities. This group will meet again in the fall.

*In compliance with the Americans with Disabilities Act, H-GAC will provide for reasonable accommodations for persons with disabilities attending H-GAC functions. Individuals requiring language interpretation or those with special communication needs should contact Kathy Janhsen at 713-993-2423 or at [Kathy.Janhsen@h-gac.com](mailto:Kathy.Janhsen@h-gac.com).*

### Kathy Janhsen

*Senior Education Coordinator*

### Houston-Galveston Area Council

3555 Timmons Lane, Suite 120, Houston, Texas 77027  
P.O. Box 22777, Houston, Texas 77227-2777  
direct: 713-993-2423 | main: 713-627-3200 | fax: 713-993-4503  
[h-gac.com](http://h-gac.com)

Find us on [Facebook](#) and [Twitter](#)

*My office hours are Monday - Friday 7:00 AM to 4:00 PM*





# **Brazos – Colorado Coastal Basin: Public Outreach Report**

## **Basin 13 Leadership Forum**

March 21, 2019

### **TABLE OF CONTENTS**

<b>I.</b>	<b>OVERVIEW</b>	<b>2</b>
<b>II.</b>	<b>PURPOSE</b>	<b>2</b>
<b>III.</b>	<b>APPROACH</b>	<b>3</b>
<b>IV.</b>	<b>NOTIFICATION</b>	<b>3</b>
<b>V.</b>	<b>MATERIALS</b>	<b>3</b>
<b>VI.</b>	<b>MEETING SYNOPSIS</b>	<b>3</b>
<b>VII.</b>	<b>NEXT MEETING</b>	<b>5</b>



## **I. OVERVIEW**

Per Umbrella Contract 582-18-81222, the Texas Commission on Environmental Quality (TCEQ) requested Public Outreach support from the Houston-Galveston Area Council (H-GAC) for Basin 13, with activities for all elements of Public Outreach including, but not necessarily limited to:

- Identifying and Reserving Facilities for Meetings and / or Events;
- Providing a Facilitator for Any Meetings (As Needed);
- Providing Support for Organizing and Advertising Meetings and / or Events;
- Distribution and Posting of Meeting Agenda(s);
- Preparation of Meeting and / or Event Summaries;
- Preparation of Printed or Other Presentation Materials in Support of a Meeting and / or Event;
- Use of the H-GAC Website for Posting Meeting and / or Event Information; and
- Any Other Necessary Support Activities.

On March 21, 2019 (Basin 13 Leadership Forum #1), H-GAC conducted a meeting for Basin 13 to review water quality and other bacteria related source data and watershed-based planning in the basin with elected officials, county and city staff and permittees.

## **II. PURPOSE**

The water body discussed during the meeting was the watersheds of Basin 13, including Caney Creek, a small coastal watershed which originates in southeast Wharton County and traverses Matagorda County. Linville Bayou is a small tributary to Caney Creek and serves as a portion of the border between Matagorda and Brazoria County before joining Caney Creek Tidal and traveling the final path before entering the Gulf of Mexico by way of the Gulf Coast Intracoastal Waterway and East Matagorda Bay.

The Purpose of this meeting was to discuss the following:

1. Review the need to host a Leadership Forum,
2. Present water quality data and management opportunities,
3. Review what is happening in Caney Creek to address impairments, and



4. Discuss how to coordinate implementation across the basin.

**III. APPROACH and NOTIFICATION**

A list of elected officials, county and city staff and permittees was assembled. Meeting announcement letters were sent out with a brief one-page basin summary included. Personal email and/or phone calls were carried out with select stakeholders from the Caney and Linnville Bayou watershed to encourage attendance.

**IV. MATERIALS**

The following materials were made available for the meeting:

1. Sign-In Sheet(s)
2. Copies of relevant approved watershed-based plans
3. NPS Success One-Page Success Stories

**V. MEETING SYNOPSIS**

*Location*

Wharton City Civic Center  
1924 N Fulton St.  
Wharton, TX 77488

*When*

Thursday, March 21, 2019  
10 AM – 12 PM



**Attendees**

NAME	ORGANIZATION REPRESENTED	ASSUMED COUNTY?
Richard Zahn	Wharton County	Wharton
Kent Pollard	Matagorda County Commissioner	Matagorda
Audrey Searce	City of East Bernard	Wharton
Marvin Holub	Mayor, City of East Bernard	Wharton
Royce Macha	City of Eagle Lake	Colorado
Mark Pulos	City of Sealy	Austin
Gwyneth Teves	City of Wharton	Wharton
Phillip Spenrath	Wharton County Commissioner	Wharton
Kathy Janhsen	H-GAC	Harris
Jeff Taebel	H-GAC	Harris
Jason Leifester	TCEQ	Travis

**To view the sign-in sheet in its entirety, please see Attachment A.**



### ***Meeting Summary***

Mr. Jeff Taebel from H-GAC provided opening remarks and asked for introductions. Ms. Kathy Janhsen from H-GAC reviewed the meeting agenda and set the meetings goals. Mr. Steven Johnston from H-GAC provided a presentation that provided a review of Basin 13 water quality impairments, presented watershed-based planning initiative in the basin, including the San Bernard Watershed Protection Plan and efforts that have begun in Caney Creek and Linnville Bayou. Mr. Johnston also reviewed implementation management measures that are used typically to address bacteria impairments. Ms. Janhsen the facilitated a discussion on what the Leadership Forum could do to support watershed-based planning in the six counties that make up Basin 13 and asked attendees what that thought they could get out of participating in future meetings. The group particularly discussed how to address failing onsite sewage facilities. Participants left the impression that future Forums could be a benefit for the area.

### **VI. NEXT MEETING**

To Be Determined.





# Addressing Water Quality Impairments

Basin 13 Leadership Forum



March 21, 2019

Steven Johnston & Kathy Janhsen

# Agenda

Basin 13 Leadership Forum

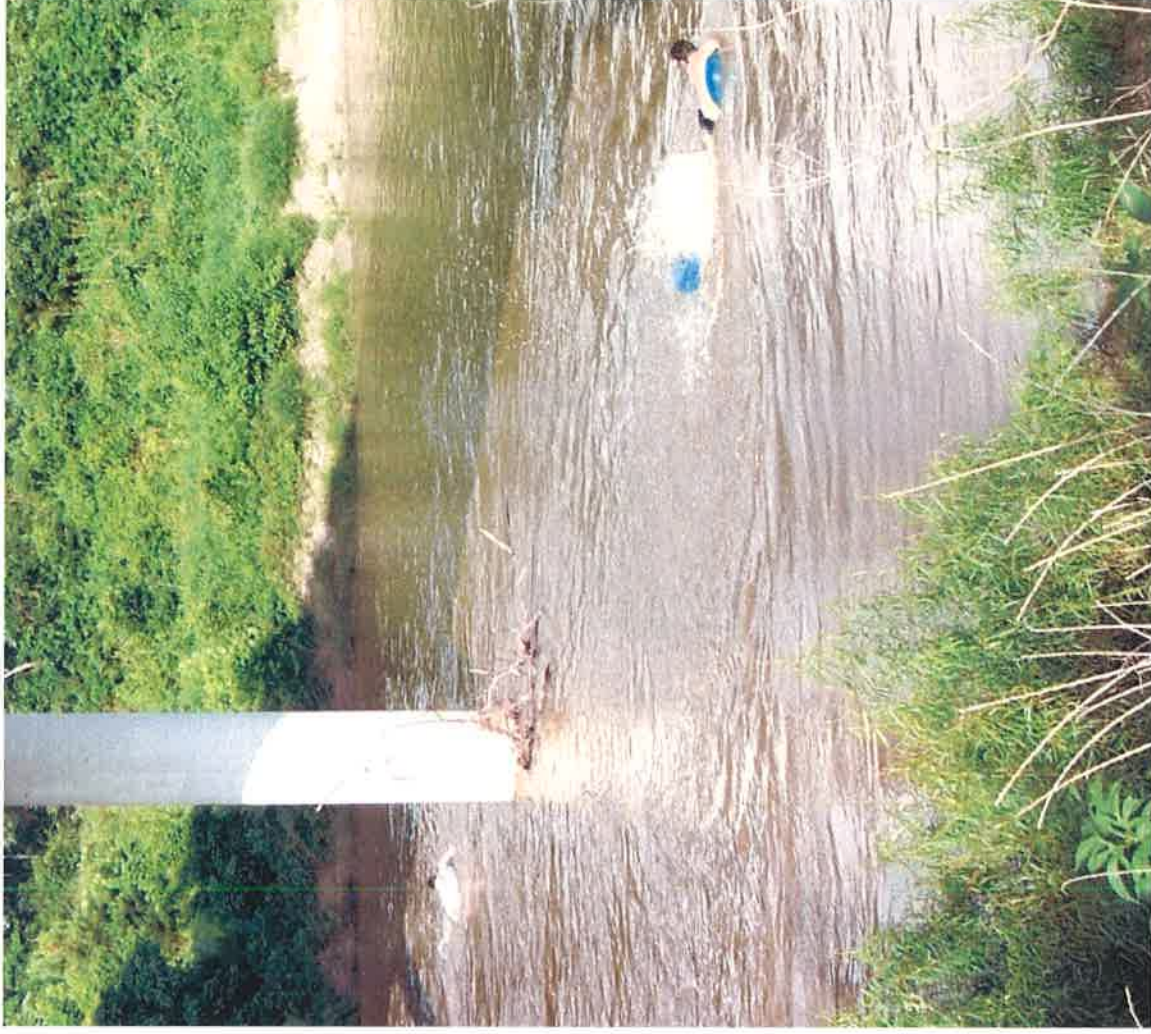


- 10:00 – 10:05 Welcome – Opening Remarks
- 10:05 – 10:35 Review Basin 13 Project Area
- 10:35 – 11:25 Group Housekeeping
- 11:25 – 11:45 Implementation Activities
- 11:45 – 12:00 Wrap Up and Next Steps
- 12:00 Adjourn

## Why are we here?



Portions of the San Bernard River, Caney Creek and Linnville Bayou do not meet the State's Water Quality Standards for Contact Recreation.



# H-GAC's Clean Rivers Program

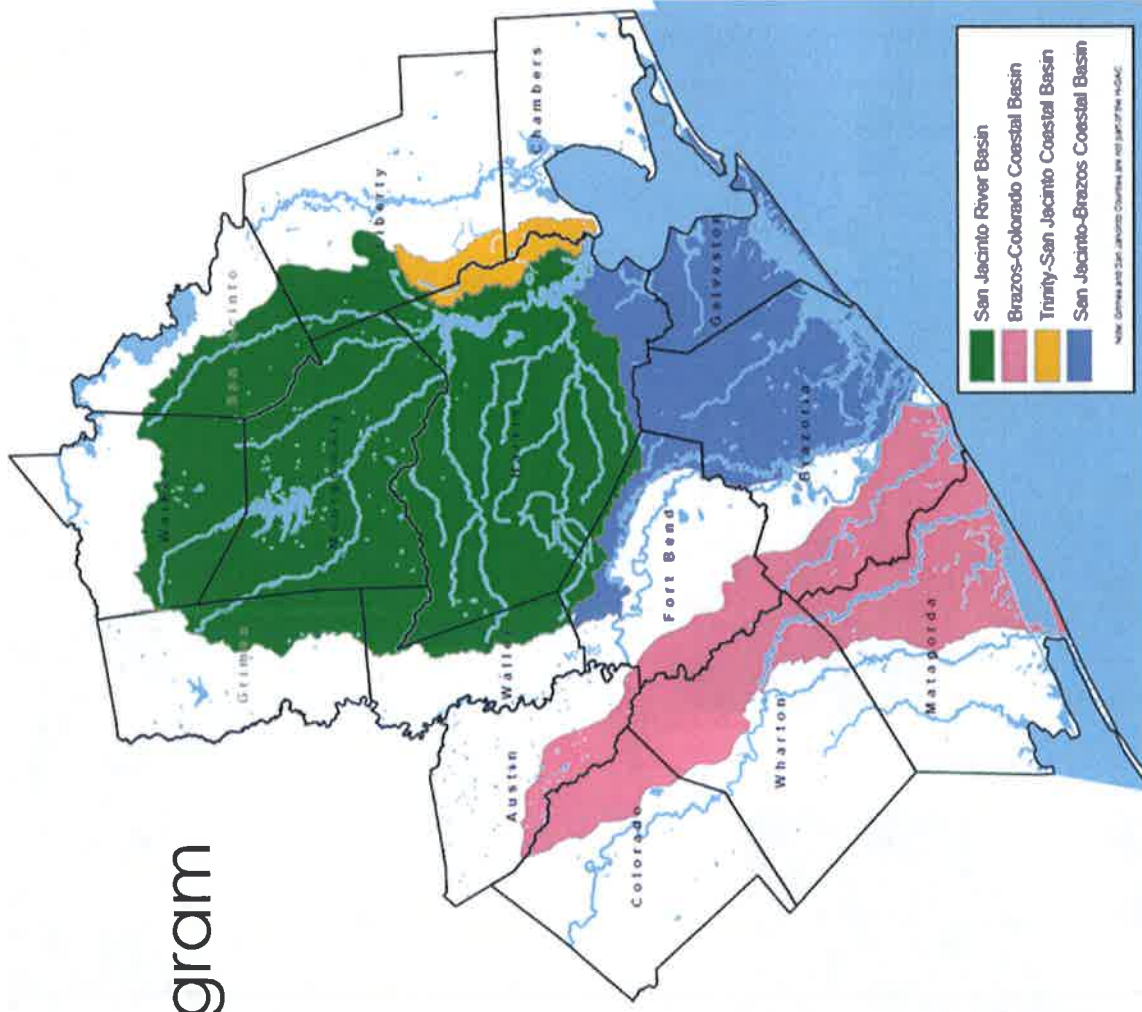


## Clean Rivers Program Assessment Area

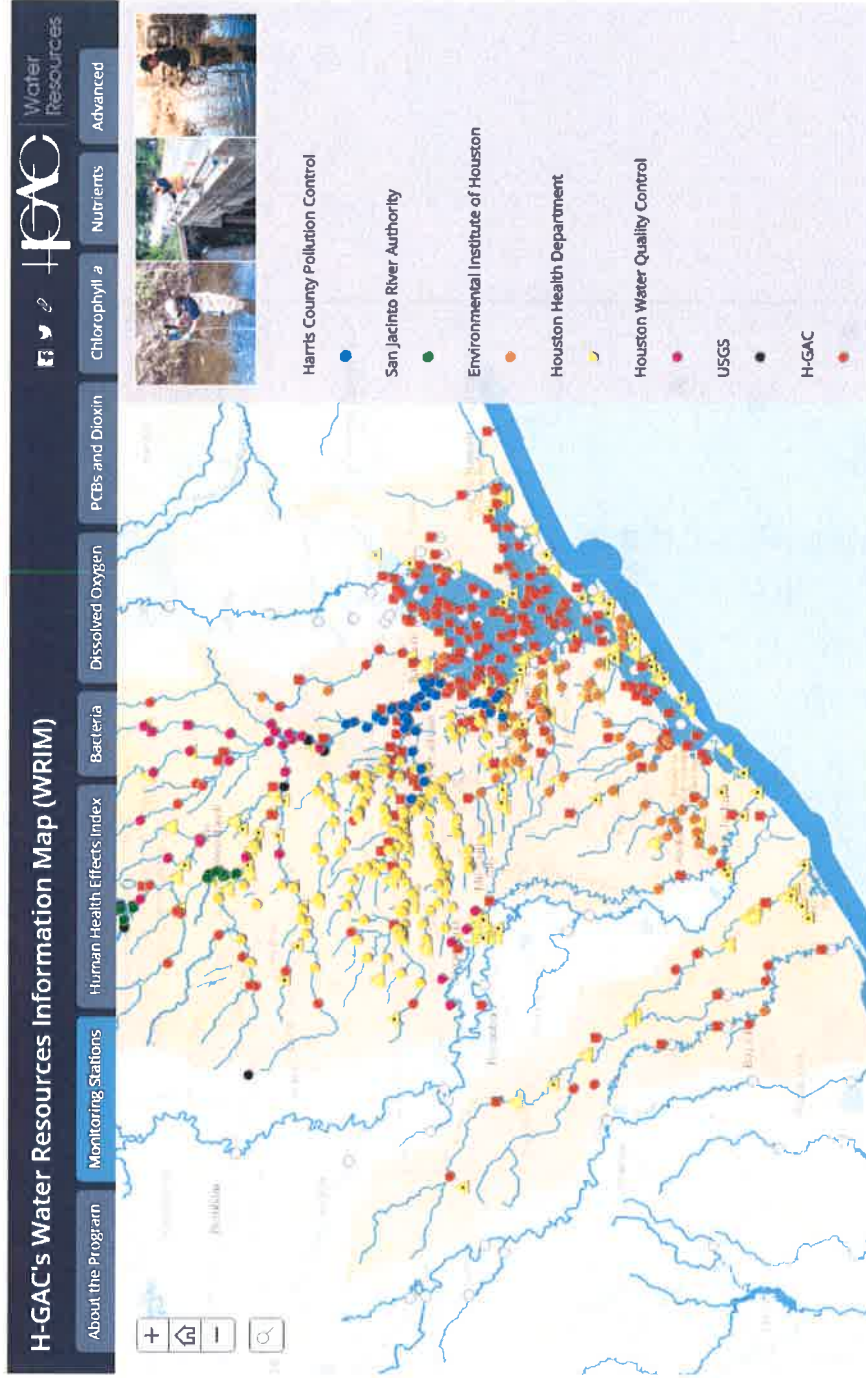
- 15 counties
- 16,000 miles of streams and shoreline
- Population 5+ million

## Basin 13 Project Area

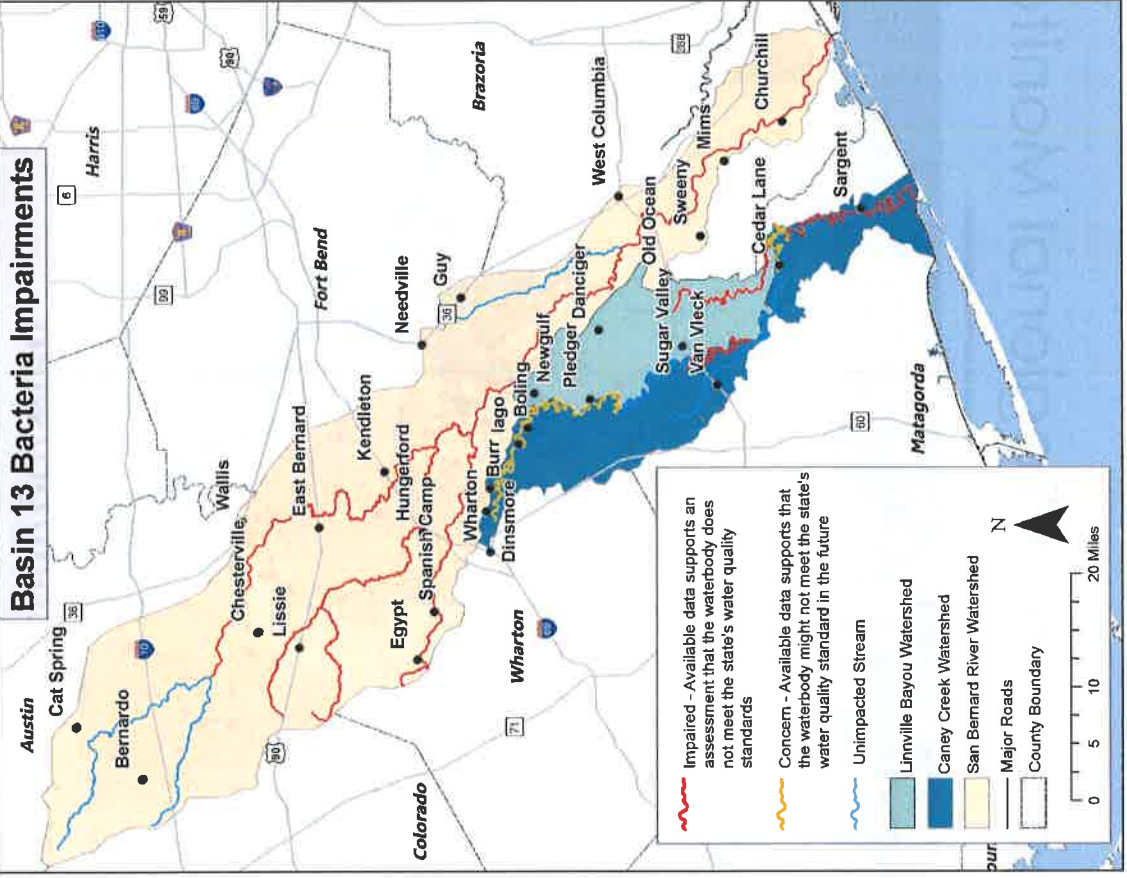
- Six counties
- 20-plus cities / communities



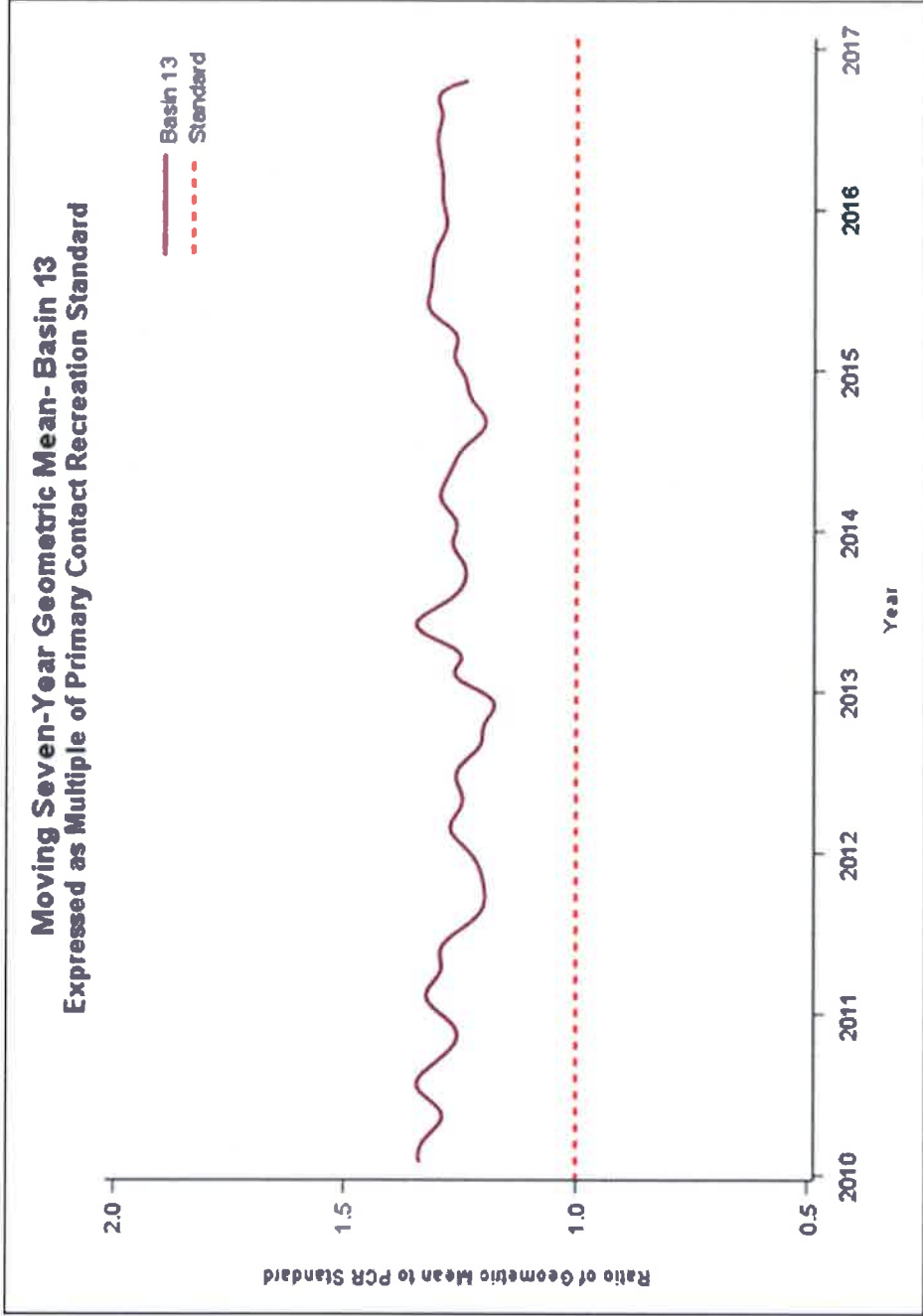
# Coordinated Regional Monitoring



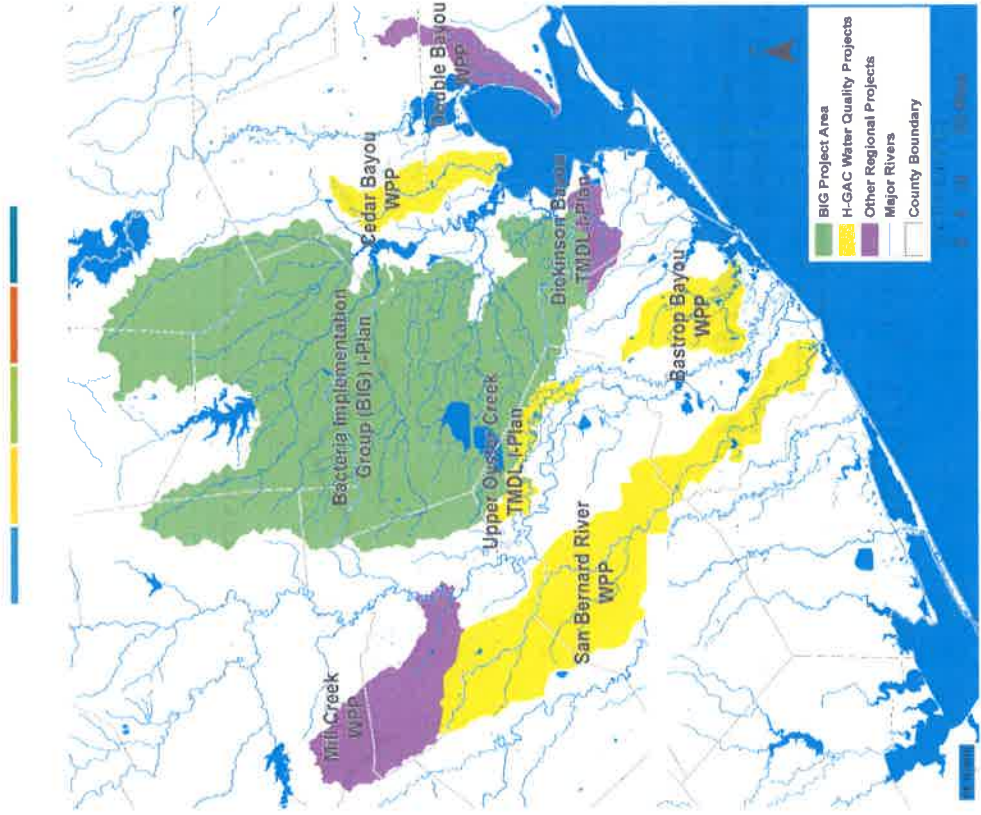
<http://www.h-gac.com/go/wrim>



# Bacteria Trends



# Approved Watershed-based Plans



# Types of Watershed-based Plans



## TMDL / I-Plan

- ▶ Mostly Voluntary
- ▶ Single Pollutant
- ▶ Mostly Urban Watersheds
- ▶ Short Time-Frame
- ▶ Permittees can be ahead of the curve

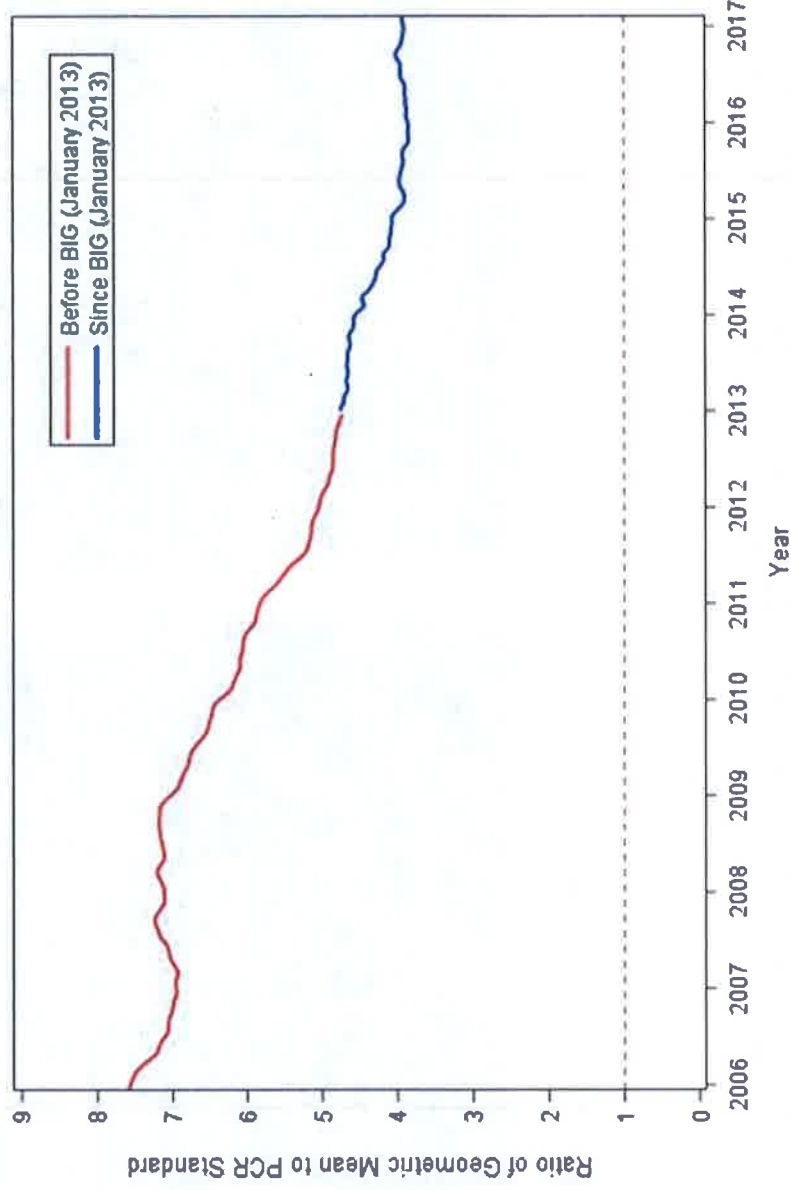
## WPP

- ❖ Voluntary
- ❖ Typically Address multiple concerns
- ❖ Mostly Rural Watersheds
- ❖ Longer Time-Frame
- ❖ Not typically used by State Permit Process
- ❖ 319 Funding Source

# Do Watershed-based Plans Work?



Bacteria Trend in BIG Project Area, 2006-2016



Dotted Red Line represents the Primary Contact Recreation Standard

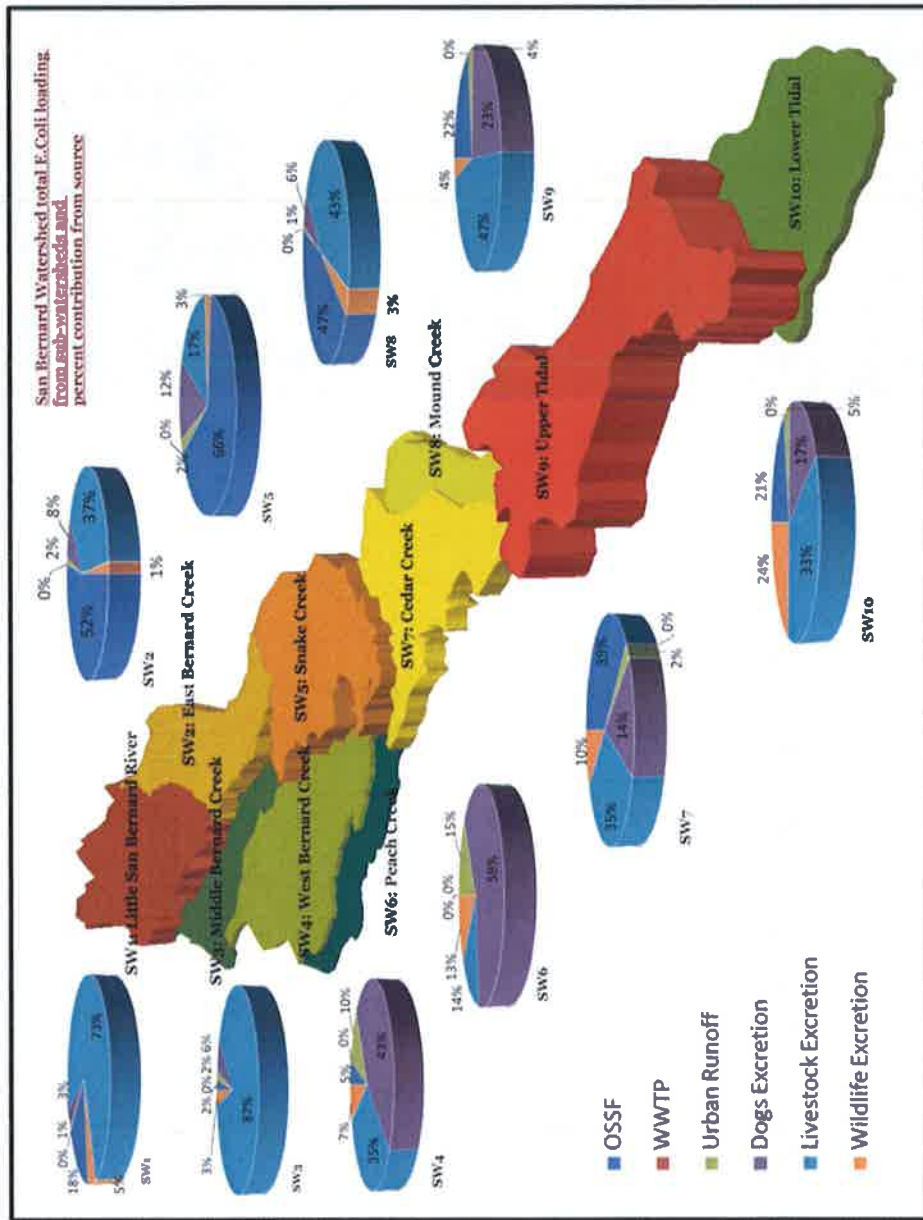
## Possible Bacteria Sources



- Domestic pets (dogs, cats)
- Wastewater infrastructure
- Wildlife (deer, bird, raccoon, etc.)
- Concentrated Animal Feeding Operation
- Feral Hogs
- Onsite Sewage Treatment
- Urban lawns and landscaping
- Agriculture/Pasture



# Source Contributions





# Potential Ag Source Measures



Watershed	Pasture/Grassland Area (Acres)	Cattle and Calves	Hogs and Pigs	Sheep and Lambs	Equine	Poultry
Brazoria	262112	78997	4218	1435	4572	6033
Matagorda	240492	53283	47	304	1141	1261
Wharton	256621	57168	131	395	1687	242
Caney Creek Tidal	9904.68	2194	2	13	47	52
Linnville Bayou	23429.63	5804	127	63	215	244
Caney Creek Above Tidal	40842.56	9069	13	56	224	144



# Potential Pet / Feral Hog Source Measures



Segment	Estimated Households	Dogs	Cats
Caney Creek Tidal	185	108	118
Linnville Bayou	357	208	228
Caney Creek Above Tidal	3,003	1,754	1,916
<b>Total</b>	<b>3,545</b>	<b>2,070</b>	<b>2,262</b>



Watershed	Suitable Area (Acres)	Suitable Area (Sq. Mile)	Feral Hog Population
Caney Creek Tidal	28,182.51	44.04	342-570
Linnville Bayou	63,782.74	99.66	774-1291
Caney Creek Above Tidal	100,742.43	157.41	1223-2038





# Working Together to Protect Our Waterways

Basin 13 Leadership Forum



## Purpose of the Leadership Forum:

- 01 Receive Updates & Provide Input
- 02 Collaboration on Implementation Activities

# Composition of the Leadership Forum

Basin 13 Leadership Forum



## COUNTY OFFICIALS

- Austin County
- Brazoria County
- Colorado County
- Fort Bend County
- Matagorda County
- Wharton County



## CITY OFFICIALS

- City of Bay City
- City of Brazoria
- City of Eagle Lake
- City of East Bernard
- City of Freeport
- City of Kendleton
- City of Lake Jackson
- City of Needville
- City of Rosenberg
- City of Sealy
- City of Sweeny
- City of Wallis
- City of West Columbia
- City of Wharton
- Village of Jones Creek



## PERMITTEES

Twenty-six permittees with discharge points in the Caney Creek and Linville Bayou or San Bernard watershed.

# Defining Our Goals

Basin 13 Leadership Forum



*Tell me what you want to get out of the  
Basin 13 Leadership Forum?*

# Implementation Activities

Basin 13 Leadership Forum

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*What current or ongoing activities are happening in your communities?*

# Implementation Activities

Basin 13 Leadership Forum



What *current* or *ongoing* activities would you like to see in your communities?

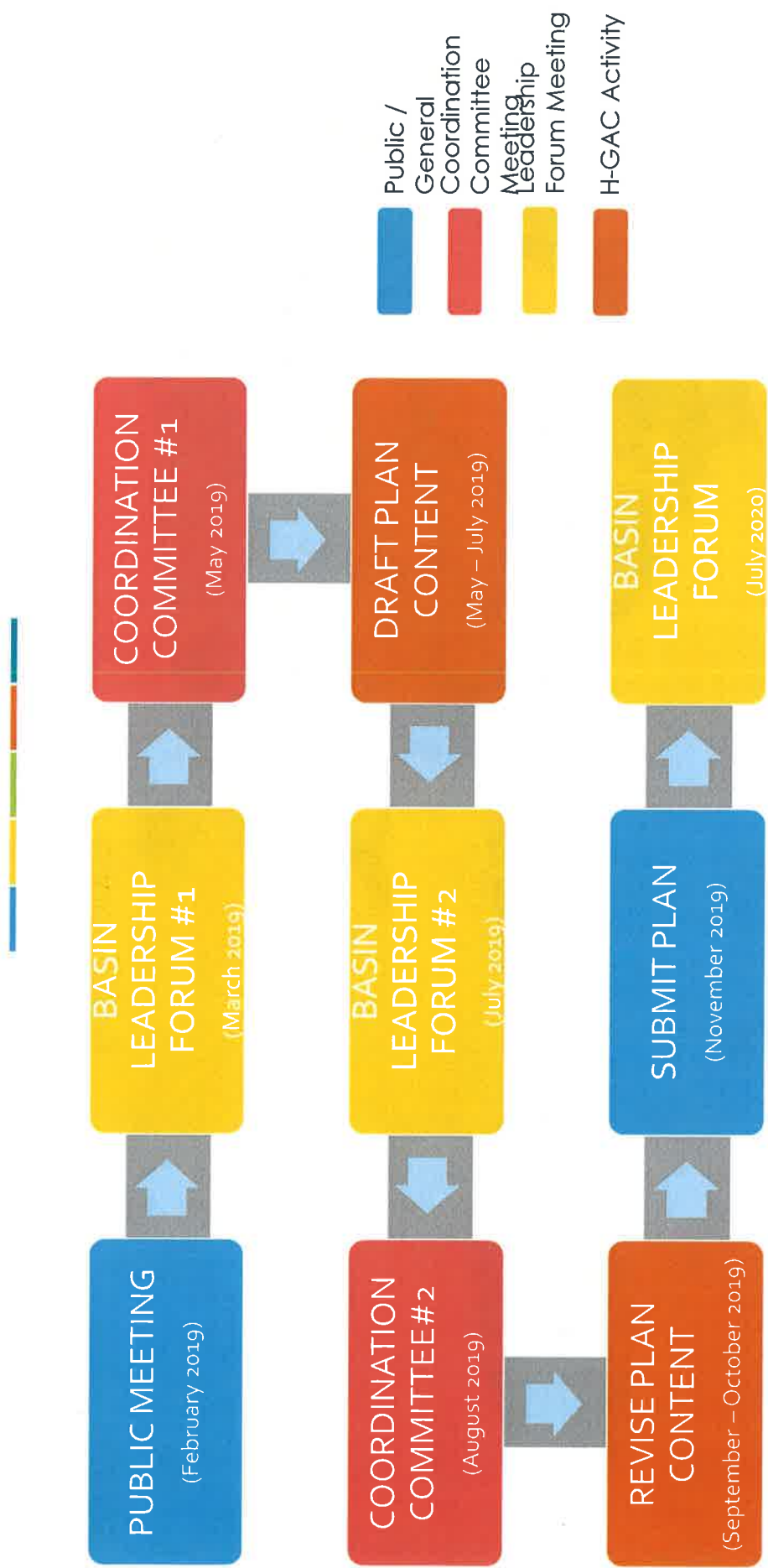
# Available H-GAC Resources

Basin 13 Leadership Forum

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- HGACBuy (Cooperative Purchasing)
- Engagement Toolbox (Coastal Communities)
- Interactive Mapping Tools
- Septic System Replacement Program
- Additional Partnership Opportunities
- Collaborative Grant Submissions

# Caney Creek / Linville Bayou Plan Development Process





Steven Johnston  
832.681.2579  
Steven.Johnston@h-  
gac.com

Kathy Janhsen  
713.993.2423  
Kathy.Janhsen@h-  
gac.com



## Johnston, Steven

---

**From:** Janhsen, Kathy  
**Sent:** Monday, May 6, 2019 7:39 AM  
**To:** 'murtipps@msn.com'; 'kpollard@co.matagorda.tx.us'; 'bkoch@tsswcb.state.tx.us'; 'jwmclaughlin241@gmail.com'; 'kjedlicka@bolingisd.net'; 'smartinez@vvisd.org'; 'bolingMUD2017@hotmail.com'; 'todd.pilcik@tpwd.texas.gov'; 'bbalboa@matbay.org'; 'cjfucik@outlook.com'; 'stavinoaha@gmail.com'  
**Cc:** Johnston, Steven; 'jason.leifester@tceq.texas.gov'; 'jbgdavis116@aol.com'  
**Subject:** RE: REMINDER - Caney Creek and Linville Bayou - Coordination Committee Meeting on May 9

Morning!

Just a quick reminder that the **Caney Creek / Linville Bayou Coordination Committee will meet this week** to review management measures (a menu of voluntary strategies stakeholders can use to reduce bacteria levels) on:

**Thursday, May 9, 2019**

**5:30 – 7:30 p.m.**

**Caney Creek Chapel** (on the corner of Caney Dr. and Oak Circle)  
**2477 CR 297**  
**Sargent, Texas 77414**

I will send out one more reminder the morning of. Should you have any additional questions, please don't hesitate to reach out.

Thanks and have a great day!

**Kathy Janhsen**  
*Principal Program Coordinator*

**Houston-Galveston Area Council**  
3555 Timmons Lane, Suite 120, Houston, Texas 77027  
P.O. Box 22777, Houston, Texas 77227-2777  
direct: 713-993-2423 | main: 713-627-3200 | fax: 713-993-4503  
[h-gac.com](http://h-gac.com)  
Find us on [Facebook](#) and [Twitter](#)

---

**From:** Janhsen, Kathy  
**Sent:** Tuesday, April 23, 2019 12:04 PM  
**To:** murtipps@msn.com; kpollard@co.matagorda.tx.us; bkoch@tsswcb.state.tx.us; jwmclaughlin241@gmail.com; kjedlicka@bolingisd.net; smartinez@vvisd.org; bolingMUD2017@hotmail.com; todd.pilcik@tpwd.texas.gov; bbalboa@matbay.org; cjfucik@outlook.com; stavinoaha@gmail.com  
**Cc:** Johnston, Steven <Steven.Johnston@h-gac.com>; 'jason.leifester@tceq.texas.gov' <jason.leifester@tceq.texas.gov>; 'jbgdavis116@aol.com' <jbgdavis116@aol.com>  
**Subject:** REMINDER - Caney Creek and Linville Bayou - Coordination Committee Meeting on May 9  
**Importance:** High

Good Afternoon, All-

Just a quick reminder that the Caney Creek / Linville Bayou Coordination Committee will meet to review management measures (a menu of voluntary strategies stakeholders can use to reduce bacteria levels) on:

**Thursday, May 9, 2019**  
**5:30 – 7:30 p.m.**

**Caney Creek Chapel** (on the corner of Caney Dr. and Oak Circle)  
**2477 CR 297**  
**Sargent, Texas 77414**

Looking forward to seeing you all there.

Thanks and have a great day!

**Kathy Janhsen**  
*Principal Program Coordinator*

**Houston-Galveston Area Council**  
3555 Timmons Lane, Suite 120, Houston, Texas 77027  
P.O. Box 22777, Houston, Texas 77227-2777  
direct: 713-993-2423 | main: 713-627-3200 | fax: 713-993-4503  
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---

**From:** Janhsen, Kathy  
**Sent:** Monday, March 04, 2019 1:36 PM  
**To:** 'murtipps@msn.com' <[murtipps@msn.com](mailto:murtipps@msn.com)>; 'kpollard@co.matagorda.tx.us' <[kpollard@co.matagorda.tx.us](mailto:kpollard@co.matagorda.tx.us)>; 'bkoch@tsswcb.state.tx.us' <[bkoch@tsswcb.state.tx.us](mailto:bkoch@tsswcb.state.tx.us)>; 'jwmclaughlin241@gmail.com' <[jwmclaughlin241@gmail.com](mailto:jwmclaughlin241@gmail.com)>; 'todd.pilcik@tpwd.texas.gov' <[todd.pilcik@tpwd.texas.gov](mailto:todd.pilcik@tpwd.texas.gov)>; 'cjfucik@outlook.com' <[cjfucik@outlook.com](mailto:cjfucik@outlook.com)>; 'stavinoha@gmail.com' <[stavinoha@gmail.com](mailto:stavinoha@gmail.com)>  
**Cc:** Johnston, Steven <[Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com)>; 'jason.leifester@tceq.texas.gov' <[jason.leifester@tceq.texas.gov](mailto:jason.leifester@tceq.texas.gov)>; [jbgdavis116@aol.com](mailto:jbgdavis116@aol.com)  
**Subject:** Caney Creek and Linville Bayou - Coordination Committee Meeting on May 9  
**Importance:** High

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**5:30 – 7:30 p.m.**

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**Sargent, Texas 77414**

A big thanks to the Caney Creek Chapel for having us!

I'll send reminder emails and other information in the coming days.

Thanks and have a great day.

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*Principal Program Coordinator*

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**Cc:** Johnston, Steven <[Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com)>; Janhsen, Kathy <[Kathy.Janhsen@h-gac.com](mailto:Kathy.Janhsen@h-gac.com)>; [jason.leifester@tceq.texas.gov](mailto:jason.leifester@tceq.texas.gov)

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- Drainage District #1
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Let me know if I've missed someone.

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As I mentioned during my presentation, H-GAC will be convening local elected officials, wastewater treatment discharge permittees, and other key decision-makers from across the basin (which includes the San Bernard watershed) to discuss how stakeholders can work together to reduce bacteria levels and coordinate their respective plans.

The first Leadership Forum is scheduled for:

*Thursday, March 21, from 10 a.m. to Noon*  
*Wharton Civic Center*  
1924 N. Fulton Street, Wharton

You are welcome to attend. Let me know if you'd like additional information on this meeting.

Thanks again for your participation and ideas. Steven and I are looking forward to working with you all on this effort!

**Kathy Janhsen**

*Principal Program Coordinator*

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## Johnston, Steven

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**From:** Janhsen, Kathy  
**Sent:** Thursday, May 9, 2019 8:59 AM  
**To:** 'murtipps@msn.com'; 'kpollard@co.matagorda.tx.us'; 'bkoch@tsswcb.state.tx.us'; 'jwmclaughlin241@gmail.com'; 'kjedlicka@bolingisd.net'; 'smartinez@vvisd.org'; 'bolingMUD2017@hotmail.com'; 'todd.pilcik@tpwd.texas.gov'; 'bbalboa@matbay.org'; 'cjfucik@outlook.com'; 'stavinoha@gmail.com'  
**Cc:** Johnston, Steven; 'jason.leifester@tceq.texas.gov'; 'jbgdavis116@aol.com'  
**Subject:** CANCELLED - Caney Creek and Linville Bayou Coordination Committee Meeting on May 9  
**Importance:** High

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Should you have any questions, please do not hesitate to call or e-mail.

Thanks and stay safe out there!

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**To:** 'murtipps@msn.com' <murtipps@msn.com>; 'kpollard@co.matagorda.tx.us' <kpollard@co.matagorda.tx.us>; 'bkoch@tsswcb.state.tx.us' <bkoch@tsswcb.state.tx.us>; 'jwmclaughlin241@gmail.com' <jwmclaughlin241@gmail.com>; 'kjedlicka@bolingisd.net' <kjedlicka@bolingisd.net>; 'smartinez@vvisd.org' <smartinez@vvisd.org>; 'bolingMUD2017@hotmail.com' <bolingMUD2017@hotmail.com>; 'todd.pilcik@tpwd.texas.gov' <todd.pilcik@tpwd.texas.gov>; 'bbalboa@matbay.org' <bbalboa@matbay.org>; 'cjfucik@outlook.com' <cjfucik@outlook.com>; 'stavinoha@gmail.com' <stavinoha@gmail.com>  
**Cc:** Johnston, Steven <Steven.Johnston@h-gac.com>; 'jason.leifester@tceq.texas.gov' <jason.leifester@tceq.texas.gov>; 'jbgdavis116@aol.com' <jbgdavis116@aol.com>  
**Subject:** RE: REMINDER - Caney Creek and Linville Bayou - Coordination Committee Meeting on May 9

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Thanks and have a great day!

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**Cc:** Johnston, Steven <[Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com)>; 'Jason.Leifester@tceq.texas.gov' <[jason.leifester@tceq.texas.gov](mailto:jason.leifester@tceq.texas.gov)>; 'jbgdavis116@aol.com' <[jbgdavis116@aol.com](mailto:jbgdavis116@aol.com)>  
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**Cc:** Johnston, Steven <[Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com)>; Janhsen, Kathy <[Kathy.Janhsen@h-gac.com](mailto:Kathy.Janhsen@h-gac.com)>;

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## Johnston, Steven

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**Sent:** Tuesday, May 21, 2019 3:51 PM  
**To:** 'murtipps@msn.com'; 'kpollard@co.matagorda.tx.us'; 'bkoch@tsswcb.state.tx.us'; 'jwmclaughlin241@gmail.com'; 'kjedlicka@bolingisd.net'; 'smartinez@vvisd.org'; 'bolingMUD2017@hotmail.com'; 'todd.pilcik@tpwd.texas.gov'; 'bbalboa@matbay.org'; 'cjfucik@outlook.com'; 'stavinoha@gmail.com'  
**Cc:** Johnston, Steven; 'jason.leifester@tceq.texas.gov'; 'jbgdavis116@aol.com'  
**Subject:** Caney Creek and Linville Bayou Coordination Committee Meeting on July 11  
**Importance:** High

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'jbgdavis116@aol.com' <jbgdavis116@aol.com>

**Subject:** CANCELLED - Caney Creek and Linville Bayou Coordination Committee Meeting on May 9

**Importance:** High

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**Subject:** RE: REMINDER - Caney Creek and Linville Bayou - Coordination Committee Meeting on May 9

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---

**From:** Janhsen, Kathy

**Sent:** Monday, March 04, 2019 1:36 PM

**To:** 'murtipps@msn.com' <[murtipps@msn.com](mailto:murtipps@msn.com)>; 'kpollard@co.matagorda.tx.us' <[kpollard@co.matagorda.tx.us](mailto:kpollard@co.matagorda.tx.us)>; 'bkoch@tsswcb.state.tx.us' <[bkoch@tsswcb.state.tx.us](mailto:bkoch@tsswcb.state.tx.us)>; 'jwmclaughlin241@gmail.com'

<jwmclaughlin241@gmail.com>; 'todd.pilcik@tpwd.texas.gov' <todd.pilcik@tpwd.texas.gov>; 'cjfucik@outlook.com' <cjfucik@outlook.com>; 'stavinoha@gmail.com' <stavinoha@gmail.com>  
**Cc:** Johnston, Steven <Steven.Johnston@h-gac.com>; 'jason.leifester@tceq.texas.gov' <jason.leifester@tceq.texas.gov>; jbgdavis116@aol.com  
**Subject:** Caney Creek and Linville Bayou - Coordination Committee Meeting on May 9  
**Importance:** High

Good Afternoon, All-

Mark your calendars! Our next meeting to review management measures (a menu of voluntary strategies stakeholders can use to reduce bacteria levels) Caney Creek and Linville Bayou will be held on:

**Thursday, May 9, 2019**  
**5:30 – 7:30 p.m.**

**Caney Creek Chapel** (on the corner of Caney Dr. and Oak Circle)  
**2477 CR 297**  
**Sargent, Texas 77414**

A big thanks to the Caney Creek Chapel for having us!

I'll send reminder emails and other information in the coming days.

Thanks and have a great day.

**Kathy Janhsen**  
*Principal Program Coordinator*

**Houston-Galveston Area Council**  
3555 Timmons Lane, Suite 120, Houston, Texas 77027  
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Find us on [Facebook](#) and [Twitter](#)

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**From:** Janhsen, Kathy  
**Sent:** Thursday, February 28, 2019 8:11 AM  
**To:** [murtipps@msn.com](mailto:murtipps@msn.com); [kpollard@co.matagorda.tx.us](mailto:kpollard@co.matagorda.tx.us); [bkoch@tsswcb.state.tx.us](mailto:bkoch@tsswcb.state.tx.us); [jwclaughlin241@gmail.com](mailto:jwclaughlin241@gmail.com); [todd.pilcik@tpwd.texas.gov](mailto:todd.pilcik@tpwd.texas.gov); [cjfucik@outlook.com](mailto:cjfucik@outlook.com); [stavinoha@gmail.com](mailto:stavinoha@gmail.com)  
**Cc:** Johnston, Steven <[Steven.Johnston@h-gac.com](mailto:Steven.Johnston@h-gac.com)>; Janhsen, Kathy <[Kathy.Janhsen@h-gac.com](mailto:Kathy.Janhsen@h-gac.com)>; [jason.leifester@tceq.texas.gov](mailto:jason.leifester@tceq.texas.gov)  
**Subject:** Caney Creek and Linville Bayou - Project Update

Good Morning, All-

Thank you so much for coming out last week to discuss Caney Creek and Linville Bayou bacteria reduction efforts. I have quite a few updates for you, so please forgive the volume of information included here.

#### **COORDINATION COMMITTEE COMPOSITION**

H-GAC is working to get the Coordination Committee pieced together, in line with the feedback you provided.

Here are our confirmed coordination committee members:

- Muriel Tipps - Fisheries / Local Business
- Commissioner Kent Pollard - Matagorda County
- Brian Koch – Agriculture
- John McLoughlin – Municipal Utility Districts
- Todd Pilcik – Parks / Recreation (as his schedule allows)

We are hopeful that C.J. Fucik will agree to represent Residents and that Edward Stavinoha will agree to represent the East Matagorda Bay Foundation. I'll let you guys know how those efforts pan out.

In the meantime, additional folks to be contacted include:

- Linda Martin, MUD Board member (see letter for reference)
- Wharton County Elected Officials
- Bill Balboa, East Matagorda Bay Foundation
- Van Vleck MUD, Joe Zamora
- Drainage District #1
- An egg farm representative

Let me know if I've missed someone.

#### **CANEY CREEK COORDINATION COMMITTEE MEETING**

H-GAC is currently working to identify a suitable location for our next meeting to review management measures (a menu of voluntary strategies stakeholders can use to reduce bacteria levels in Caney Creek and Linville Bayou). We are currently looking at April 25 as a potential date.

As soon as the location and date are confirmed, I will let you know.

#### **BASIN 13 LEADERSHIP FORUM**

As I mentioned during my presentation, H-GAC will be convening local elected officials, wastewater treatment discharge permittees, and other key decision-makers from across the basin (which includes the San Bernard watershed) to discuss how stakeholders can work together to reduce bacteria levels and coordinate their respective plans.

The first Leadership Forum is scheduled for:

*Thursday, March 21, from 10 a.m. to Noon*  
*Wharton Civic Center*  
 1924 N. Fulton Street, Wharton

You are welcome to attend. Let me know if you'd like additional information on this meeting.

Thanks again for your participation and ideas. Steven and I are looking forward to working with you all on this effort!

**Kathy Janhsen**

*Principal Program Coordinator*

#### **Houston-Galveston Area Council**

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**Houston-Galveston Area Council**

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July 17, 2019

Mr. Jason Leifester (MC 203)  
TMDL Project Manager  
Water Quality Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, Texas 78753

RE: July 2019 Progress Report for Contract 582-18-81222, Work Order 3, Basin 13.

Dear Mr. Leifester:

Enclosed is one (1) copy of the FY 2019 4<sup>th</sup> Progress Report for Contract No. 582-18-81222-03. It covers all deliverable activities for the project period June 1, 2019 through June 30, 2019. Financial Statements, HUB report and Voucher will be submitted separately.

Included in this Report are:

1. One copy of the quarterly progress report for June 1, 2019 thru June 30, 2019.
2. Copies of meeting summaries and other pertinent materials from project related meetings.

We hope you find the quarterly report satisfactory. Any comments you have will be appreciated. If you have any questions, please contact me by phone (713-993-4549) or E-mail (todd.running@h-gac.com).

Sincerely,

Todd Running  
Water Resources Program Manager  
Community & Environmental Planning Dept.

CC Jazmyn Milford  
Chris Loft

TR/srj  
Enclosures



**TMDL Program**  
**FY 2018 Progress Report #4**  
**Time Period Covered: 6/01/2019 – 6/30/2019**  
**Name of Project: Basin Approach to Address Bacterial Impairments in the Brazos – Colorado Coastal Basin (Basin 13)**  
**Contract No./Work Order 582-18-81222-03**

**Date: July 17, 2019**

**TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Monthly Progress Report	July 15, 2019	Monthly report for Work Order submitted electronically on July 17, 2019
Invoice	July 15, 2019	Invoices will be submitted under another cover.
Weekly Reports	Weekly	Provided as an attachment.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Draft meeting materials will be sent to the TCEQ Project Manager at least two weeks prior to distribution for each meeting	<ul style="list-style-type: none"> <li>• A public meeting was held November 1, 2018.</li> <li>• 1<sup>st</sup> Caney Creek Coordination Committee meeting was held on February 21, 2019. A draft presentation w/agenda was shared with TCEQ 2/12/2019.</li> <li>• 1<sup>st</sup> Basin 13 Leadership Forum was held March 21, 2019 in the city of Wharton. A draft presentation w/agenda was shared with TCEQ 3/18/2019.</li> <li>• The Second Caney Creek Coordination Committee meeting is planned for July 11, 2019.</li> </ul>
Host two, and up to four total, watershed stakeholder meetings (Task 2.2)	As needed	<ul style="list-style-type: none"> <li>• November 1, 2018 - Public Meeting.</li> <li>• February 21, 2019 - Caney Creek Coordination Committee Meeting</li> <li>• March 21, 2019 - Basin 13 Leadership Forum #1</li> <li>• July 11, 2019 – Caney Creek CC meeting is planned.</li> </ul>
Summary of meetings (Task 2.3)	Within 2 weeks after meetings	No meetings held in the Month of June.
List of general stakeholders (Task 2.4)	With PRs	A stakeholder list is maintained and updated as needed.
Facilitate delivery of Extension programs (Task 2.5)	As needed	No extension programs provided this quarter.
Public participation/outreach summaries (Task 2)	With PRs	No public meetings held during the month of June.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work related to this task focused on planning for the 2<sup>nd</sup> Caney Creek Coordination Committee meeting scheduled for July 11, 2019. This included:

- Updating potential stakeholder contact information
- Identifying and scheduling a meeting location
- Drafting meeting announcement
- Emailing meeting announcement and follow-up
- Drafting and mailing a targeted letter to Caney Creek local officials and permittees, and
- Creating the meeting agenda and presentation

Staff had planned the 2<sup>nd</sup> Caney Creek Coordination Committee meeting for May 9, 2019 in Sargent. The meeting had to be rescheduled for July 11, 2019 in Sargent. Meeting notices and reminders were completed in June. Updated Basin 13 website with meeting summaries and presentations.

**TASK #3 EXISTING DATA QAPP MAINTENANCE**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP annual update (Task 3.1)	30 days after issuance of Notice to Proceed	Annual update for FY2019 submitted to TCEQ in September 2018.
QAPP amendments (Task 3.2)	As needed	None were needed.
QAPP CARs (Task 3.3)	As needed	No CARs were needed.
Quality assurance audits (Task 3.4)	Will participate as needed	An audit was not performed this quarter.

**Work Performed This Period**

No work was performed related to this task during the quarter.

**TASK #4 TMDL AND DEVELOPMENT OF SPECIFIC KEY ELEMENTS OF A WPP FOR THE CANEY CREEK WATERSHED**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft TMDL (Task 4.1)	June 30, 2017	Work continued in June.
Work Group Meetings (Task 4.2)	As needed.	The Caney Creek CC will meet on July 11, 2019 in Sargent.
Final TMDL Document with WPP Elements (Task 4.3)	Two weeks after receipt of TCEQ comments	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

The 2<sup>nd</sup> CC meeting is rescheduled for July 11, 2019. Stakeholders will take a management measure survey that will be used to further refine key elements of the WPP, specifically Element C.

Staff continued to draft the TMDL and update the TSD to include revised LDCs. The LDCs were revised by the end of June to address the impact of effluent contributions on the monitored flow recorded at the USGS station on the Tres Palacios. The TMDL calculations will be revised in July based on the completed LDCs. The draft

TMDL and revised TSD will be submitted in July. The WPP draft elements A-C will be submitted in July after the July 11, 2019 CC meeting.

**TASK #5 COORDINATE WITH TEXAS STREAM TEAM PROGRAM**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 5.1)	Provide summaries with PRs	No progress to report.
Target volunteer efforts (Task 5.2)	Provide summaries with PRs	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

H-GAC staff are discussing the next training event. H-GAC will host a training event at Brazosport College in September. H-GAC will announce the event to Basin 13 stakeholders, including those in Caney Creek.

**PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS**

- 1) Presentations:
  - a. No presentations given this month.
- 2) Meetings, Events and Conferences:
  - a. June 7, 2019 - Met with Friends of the River to review a watershed map H-GAC produced for the organization.
- 3) Associated Implementation Projects and Programs
  - a. H-GAC’s OSSF SEP is continues to work in the area.

**BRIEF DESCRIPTION OF OVERALL FINDINGS:**

Staff rescheduled the 2<sup>nd</sup> Caney Creek CC meeting. The meeting will be held July 11, 2019. Staff communicated with stakeholders through email to provide meeting notices and reminders. Staff continued to revise the TSD and draft the TMDL. All revised data and information were complete except for the LDCs. Completion of the LDCs were finally completed at the end of June. The draft TMDL and revised TSD will be submitted in July once the TMDL calculations are revised and the documents updated.

**Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):**

The LDCs were delayed in being completed due to an unforeseen medical issue with the staff member creating them. The LDCs were completed at the end of June and the document that required the updated LDCs will be completed in July.



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, June 12, 2019 10:49 AM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (June 3 - June 7)

Good Morning, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

June 3<sup>rd</sup> – June 7<sup>th</sup>:

### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53

### **Task 2** Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent. Rescheduled meeting.

### **Task 3** Quality Assurance

- No updates.

### **Task 4** TMDL Development and Key Elements of a WPP

- **Anticipate delivery of TMDL document the third week of June.**
- **Potential Delay:** Staff member preparing the bacteria source priority maps and draft source load reductions went on FMLA and was unable to finish prior to deadline. We are working to shift resources around to complete the map set and source load analysis for the WPP section.
- Staff addressing return flows and inter basin sources (WWTF effluent on Tres Palacios used to develop flow in Caney) effect on Caney Creek flow estimates. Also updating flow based on height gauge data collected on Caney (EIH station collecting since Feb. 2017). Once flows are corrected, the LDCs and TMDL calculations will be adjusted.

### **Task 5** Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. Beginning to look at dates.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)  
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[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Saturday, June 22, 2019 12:36 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (June<sup>10</sup> - June<sup>14</sup>) and (June 17 - June 21)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. I will be out of the office beginning June 24<sup>th</sup> and will return on July 3<sup>rd</sup>. Please let me know if you have any questions.

### June 10<sup>th</sup> – June 14<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53
- Submitted the 3<sup>rd</sup> Progress Report on June 13<sup>th</sup>.

#### Task 2 Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent. Rescheduled meeting.

#### Task 3 Quality Assurance

- No updates.

#### Task 4 TMDL Development and Key Elements of a WPP

- **Anticipate delivery of TMDL document the third week of June.**
- **Potential Delay:** Staff member preparing the bacteria source priority maps and draft source load reductions went on FMLA and was unable to finish prior to deadline. We are working to shift resources around to complete the map set and source load analysis for the WPP section.
- Staff addressing return flows and inter basin sources (WWTF effluent on Tres Palacios used to develop flow in Caney) effect on Caney Creek flow estimates. Also updating flow based on height gauge data collected on Caney (EIH station collecting since Feb. 2017). Once flows are corrected, the LDCs and TMDL calculations will be adjusted.

#### Task 5 Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. Beginning to look at dates.

### June 17<sup>th</sup> – June 21<sup>st</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53

#### Task 2 Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent. Rescheduled meeting. Meeting reminder went out this week.

- Meeting presentation and documents will be submitted to TCEQ PM on July 3<sup>rd</sup>.

**Task 3** Quality Assurance

- No updates.

**Task 4** TMDL Development and Key Elements of a WPP

- TMDL document will be delivered on **July 5<sup>th</sup>**. The revised flow will be completed next week and will be used to revise the TMDL document, including LDCs and TMDL calculation. Bullet 2 notes the delay for source load. This also affected completion of the flow. Staff will be back in the office and committed to completing both the source load and flow revisions next week.
- **Potential Delay:** Staff member preparing the bacteria source priority maps and draft source load reductions went on FMLA and was unable to finish prior to deadline. We are working to shift resources around to complete the map set and source load analysis for the WPP section.
- Staff addressing return flows and inter basin sources (WWTF effluent on Tres Palacios used to develop flow in Caney) effect on Caney Creek flow estimates. Also updating flow based on height gauge data collected on Caney (EIH station collecting since Feb. 2017). Once flows are corrected, the LDCs and TMDL calculations will be adjusted.

**Task 5** Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. We will be looking at hosting a Lake Jackson training event in September. If we advertise in Basin 13, do you feel a date in September and location will work, not for this WO, but in general for the Basin. Or should we set up one in Caney/Linville. I am going to ask the stakeholders on July 11<sup>th</sup>.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
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[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Sunday, July 7, 2019 5:22 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** RE: FY19 WO #3 Weekly Reports (June 24 - June 28) and (July 1 - July 5)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### June 24<sup>th</sup> – June 28<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53

#### Task 2 Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent.

#### Task 3 Quality Assurance

- No updates.

#### Task 4 TMDL Development and Key Elements of a WPP

- TMDL Document – staff have nearly completed the revised LDCs (70%). The continuous flow based on revisions to Tres Palacios and using EIH's height level gauge data increased from seven months to more than 1.5 years was completed. New LDCs and revised TMDL calculations will be used in the TMDL document.
- Staff preparing the bacteria source priority maps and draft source load reductions.
- WPP elements – being drafted, will use information from bullet point two when completed and include results of management measure survey that will be given at the July 11, 2019 meeting.

#### Task 5 Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. We will be looking at hosting a Lake Jackson training event in September. We will advertise in Basin 13. Staff will ask about a Basin 13 training to stakeholders attending the July 11<sup>th</sup> meeting to gauge interest in one closer to Caney Creek Watershed.

### July 1<sup>st</sup> – July 5<sup>th</sup>:

#### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53

#### Task 2 Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent.

**Task 3** Quality Assurance

- No updates.

**Task 4** TMDL Development and Key Elements of a WPP

- TMDL Document – staff have nearly completed the revised LDCs (70%). The continuous flow based on revisions to Tres Palacios and using EIH’s height level gauge data increased from seven months to more than 1.5 years was completed. New LDCs and revised TMDL calculations will be used in the TMDL document.
- Staff began revising the TMDL calculations and incorporating the information into the TMDL document. **Delivery the week of July 8<sup>th</sup>.**
- Staff preparing the bacteria source priority maps and draft source load reductions.
- WPP elements – being drafted, will use information from bullet point two when completed and include results of management measure survey that will be given at the July 11, 2019 meeting. **Anticipate delivery the week of July 15<sup>th</sup>.**

**Task 5** Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. We will be looking at hosting a Lake Jackson training event in September. We will advertise in Basin 13. Staff will ask about a Basin 13 training to stakeholders attending the July 11<sup>th</sup> meeting to gauge interest in one closer to Caney Creek Watershed.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)  
832.681.2579 | 713.627.3200 | fax: 713.993.4503  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



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# Brazos-Colorado Coastal Basin Bacteria Reduction Project

## Watershed Characteristics

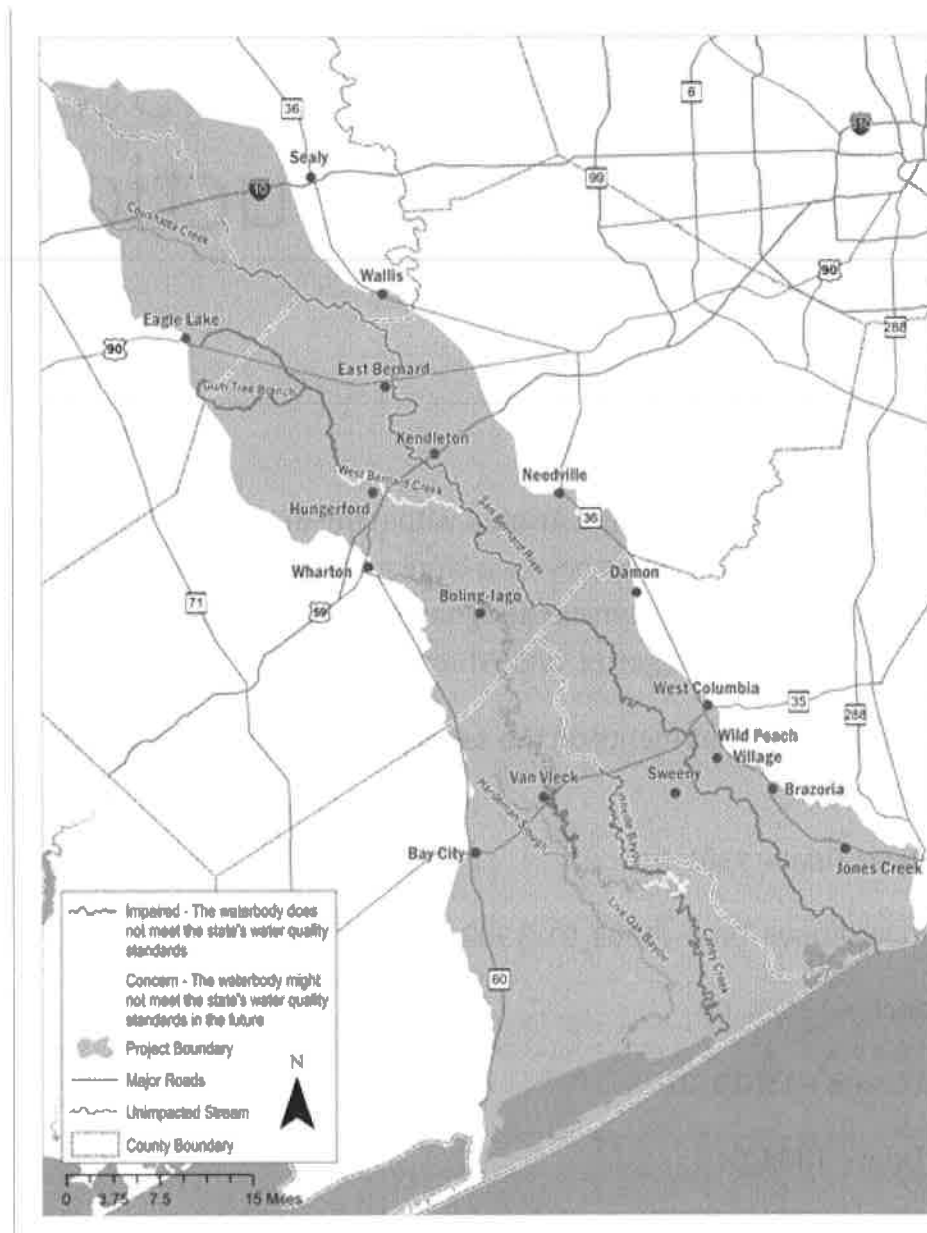
The streams addressed by this project are located within the Brazos-Colorado Coastal Basin, referred to as Basin 13. The Basin covers a large geographic area, and includes all or a portion of 20 cities, villages, and census-designated places and six counties: Austin, Brazoria, Colorado, Fort Bend, Matagorda, and Wharton.

H-GAC will analyze bacteria impairments on the segments and assessment units in Basin 13:

- San Bernard River Tidal – 1301\_01;
- San Bernard River Above Tidal – 1302\_01, 1302\_02, and 1302\_03
- Gum Tree Branch – 1302A\_01
- West Bernard Creek – 1302B\_02
- Caney Creek Tidal – 1304\_01
- Linnville Bayou – 1304A\_01
- Caney Creek Above Tidal – 1305\_02

H-GAC will also analyze use concerns for bacteria for the following segments and AUs, identified in the draft 2014 Texas Integrated Report of Surface Water Quality for Clean Water Act Sections 305(b) and 303(d).

- West Bernard Creek – 1302B\_01
- Caney Creek Tidal – 1304\_02
- Caney Creek above Water Hole Creek – 1305B\_01



*Click the image above for a full size version.*

## About the Project

This effort will be a multi-year process to identify, plan, and address bacteria impairments across the basin in coordination with local stakeholders. The entire basin will be reviewed, with each watershed addressed individually based on water quality data and stakeholder

feedback. Watersheds with common issues may be grouped together for implementation efforts to encourage collaboration between stakeholders.

## Characterization Report

Basin Characterization Report for the Brazos-Colorado Coastal Basin for Indicator Bacteria:

[Year One](#)

[Year Two](#)

## Upcoming Meetings

### PUBLIC MEETING

A public meeting is scheduled for Thursday, April 11 in Sargent, TX to discuss the work completed to date and next steps for Caney Creek and Linville Bayou.

## Past Meetings

- Basin 13 Leadership Forum - March 21, 2019 2 
- Caney Creek CC Meeting 2 - Feb. 21, 2019 2 
- Public Meeting 4 - November 1, 2018 2 
- Caney Creek CC Meeting 1 - May 15, 2018 2 
- Public Meeting 3 - December 7, 2017 2 
- Public Meeting 2 - August 1, 2017 2 
- Public Meeting 1 - November 28, 2016 1 

Total Maximum Daily Loads and Implementation Plans (TMDL)

TMDL Frequently Asked Questions

Brazos-Colorado Coastal Basin Bacteria Reduction Project

East and West Forks of the San Jacinto River TMDL and  
Implementation Plan

Houston Ship Channel and Galveston Bay TMDL and Implementation  
Plan

San Jacinto-Brazos Coastal Basin Bacteria Reduction Project

Upper Oyster Creek TMDL and Implementation Plan

## Contact

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Steven Johnston

Senior Planner

(832)-681-2579

[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)

## TMDL Study Resources

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### [TMDL Frequently Asked Questions](#)

## H-GAC News & Events

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There are no news items at this time.

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**Houston-Galveston Area Council**

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August 15, 2019

Mr. Jason Leifester (MC 203)  
TMDL Project Manager  
Water Quality Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, Texas 78753

RE: August 2019 Progress Report for Contract 582-18-81222, Work Order 3, Basin 13.

Dear Mr. Leifester:

Enclosed is one (1) copy of the FY 2019 5<sup>th</sup> Progress Report for Contract No. 582-18-81222-03. It covers all deliverable activities for the project period July 1, 2019 through July 31, 2019. Financial Statements, HUB report and Voucher will be submitted separately.

Included in this Report are:

1. One copy of the quarterly progress report for July 1, 2019 thru July 31, 2019.
2. Copies of meeting summaries and other pertinent materials from project related meetings.

We hope you find the quarterly report satisfactory. Any comments you have will be appreciated. If you have any questions, please contact me by phone (713-993-4549) or E-mail (todd.running@h-gac.com).

Sincerely,

Todd Running  
Water Resources Program Manager  
Community & Environmental Planning Dept.

CC Jazmyn Milford  
Chris Loft

TR/srj  
Enclosures



**TMDL Program  
FY 2019 Progress Report #5**

**Date: August 15, 2019**

**Time Period Covered: 7/01/2019 – 7/31/2019**

**Name of Project: Basin Approach to Address Bacterial Impairments in the Brazos – Colorado Coastal Basin (Basin 13)**

**Contract No./Work Order 582-18-81222-03**

**TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Monthly Progress Report	August 15, 2019	Monthly report for Work Order submitted electronically on August 15, 2019
Invoice	July 15, 2019	Invoices will be submitted under another cover.
Weekly Reports	Weekly	Provided as an attachment.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Draft meeting materials will be sent to the TCEQ Project Manager at least two weeks prior to distribution for each meeting	<ul style="list-style-type: none"> <li>• A public meeting was held November 1, 2018.</li> <li>• 1<sup>st</sup> Caney Creek Coordination Committee meeting was held on February 21, 2019. A draft presentation w/agenda was shared with TCEQ 2/12/2019.</li> <li>• 1<sup>st</sup> Basin 13 Leadership Forum was held March 21, 2019 in the city of Wharton. A draft presentation w/agenda was shared with TCEQ 3/18/2019.</li> <li>• 2<sup>nd</sup> Caney Creek Coordination Committee meeting was held on July 11, 2019.</li> </ul>
Host two, and up to four total, watershed stakeholder meetings (Task 2.2)	As needed	<ul style="list-style-type: none"> <li>• November 1, 2018 - Public Meeting.</li> <li>• February 21, 2019 - Caney Creek Coordination Committee Meeting</li> <li>• March 21, 2019 - Basin 13 Leadership Forum #1</li> <li>• July 11, 2019 – Caney Creek CC meeting</li> </ul>
Summary of meetings (Task 2.3)	Within 2 weeks after meetings	The 2 <sup>nd</sup> Caney Creek Coordination Committee meeting was held on July 11, 2019. A summary was provided with the weekly reports. A full summary is provided as an attachment to this report.
List of general stakeholders (Task 2.4)	With PRs	A stakeholder list is maintained and updated as needed. CC stakeholder list attached.
Facilitate delivery of Extension programs (Task 2.5)	As needed	No extension programs provided this quarter.
Public participation/outreach summaries (Task 2)	With PRs	A full summary of the July 11, 2019 coordination committee meeting is provided.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work related to this task focused on completing the plans for the 2<sup>nd</sup> Caney Creek Coordination Committee meeting scheduled for July 11, 2019. This included:

- Emailing meeting reminders, and
- Updating the meeting agenda and presentation – both had been created for the canceled May meeting.

July 11, 2019: The 2<sup>nd</sup> Caney Creek Coordination Committee meeting was held in Sargent, TX. The meeting had been rescheduled from May 9, 2019. Meeting notices and reminders were completed in June. Follow-up meeting reminders were sent out in July. The meeting May meeting agenda and presentation were updated with new information and submitted to TCEQ. There were eight stakeholders in attendance. H-GAC presented the latest information on the TSD, development of the TMDL and source identification. H-GAC also handed out a management measure questionnaire for attendees to fill out. The information from the survey will be used to develop the TMDL I-Plan and WPP.

**TASK #3 EXISTING DATA QAPP MAINTENANCE**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP annual update (Task 3.1)	30 days after issuance of Notice to Proceed	Annual update for FY2019 submitted to TCEQ in September 2018.
QAPP amendments (Task 3.2)	As needed	None were needed.
QAPP CARs (Task 3.3)	As needed	No CARs were needed.
Quality assurance audits (Task 3.4)	Will participate as needed	An audit was not performed this quarter.

**Work Performed This Period**

No work was performed related to this task during the quarter.

**TASK #4 TMDL AND DEVELOPMENT OF SPECIFIC KEY ELEMENTS OF A WPP FOR THE CANEY CREEK WATERSHED**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft TMDL (Task 4.1)	June 30, 2017	Work continued in June.
Work Group Meetings (Task 4.2)	As needed.	The Caney Creek CC met on July 11, 2019 in Sargent, TX.
Final TMDL Document with WPP Elements (Task 4.3)	Two weeks after receipt of TCEQ comments	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

The 2<sup>nd</sup> CC meeting was held on July 11, 2019. Stakeholders were provided a management measure questionnaire that will be used to further refine key elements of the WPP, specifically Element C.

Staff completed the draft TMDL and update to the TSD. The documents included revised LDCs and provided data analysis through 2018. Both documents were submitted to TCEQ on July 17, 2019. H-GAC continues to draft the WPP draft elements A-C.

## TASK #5 COORDINATE WITH TEXAS STREAM TEAM PROGRAM

Deliverable(s)	Due Date	Status
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 5.1)	Provide summaries with PRs	No progress to report.
Target volunteer efforts (Task 5.2)	Provide summaries with PRs	No progress to report.

### Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:

H-GAC staff are discussing the next training event. H-GAC will host a training event at Brazosport College in September. H-GAC announced the event during the July 11<sup>th</sup> Caney Creek stakeholder meeting. One attendee from Van Vleck ISD mentioned that teachers from the school district would potentially be interested in the training, with some possibly becoming TST volunteers. H-GAC will be following up with Van Vleck ISD and will also offer the same to Boling ISD.

### PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS

- 1) Presentations:
  - a. No presentations given this month.
- 2) Meetings, Events and Conferences:
  - a. No additional meetings or events held in support of Basin 13.
- 3) Associated Implementation Projects and Programs
  - a. H-GAC's OSSF SEP is continues to work in the area.

### BRIEF DESCRIPTION OF OVERALL FINDINGS:

H-GAC held the 2<sup>nd</sup> Caney Creek coordination committee meeting. Staff reached out to additional stakeholders to increase representation. Those stakeholders include two ISDs (Boling and Van Vleck), three MUDs (Boling Municipal Water District, Caney Creek MUD, and Matagorda County WCID#6), Oak Hollow WWTF and one drainage district (Matagorda Co. Drainage District #1). Both ISDs and Boling MUD expressed interest in participating. The City of Wharton, WCID #6 and Oak Hollow decided to not participate in the stakeholder group but were open to reviewing documents produced by the committee.

Eight stakeholders attended, including Van Vleck ISD and Caney Creek MUD. The attendees list is attached. H-GAC will continue to reach out to stakeholders as the I-Plan and WPP are drafted.

In addition to the meeting, H-GAC continued to draft the TMDL document and revised the TSD. Both were completed in July and submitted to TCEQ. The first elements of the WPP (A-C) continue to be drafted.

### Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):

The delays with completing the LDCs have been addressed and the TMDL document and revised TSD were submitted. H-GAC is working to incorporate the stakeholder survey and complete the draft of the first three elements of a WPP. H-GAC will complete this by the end of August.



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Sunday, July 7, 2019 5:22 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** RE: FY19 WO #3 Weekly Reports (June 24 - June 28) and (July 1 - July 5)

Good Afternoon, Jason – Below you will find the weekly reports for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### June 24<sup>th</sup> – June 28<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53

#### **Task 2** Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent.

#### **Task 3** Quality Assurance

- No updates.

#### **Task 4** TMDL Development and Key Elements of a WPP

- TMDL Document – staff have nearly completed the revised LDCs (70%). The continuous flow based on revisions to Tres Palacios and using EIH's height level gauge data increased from seven months to more than 1.5 years was completed. New LDCs and revised TMDL calculations will be used in the TMDL document.
- Staff preparing the bacteria source priority maps and draft source load reductions.
- WPP elements – being drafted, will use information from bullet point two when completed and include results of management measure survey that will be given at the July 11, 2019 meeting.

#### **Task 5** Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. We will be looking at hosting a Lake Jackson training event in September. We will advertise in Basin 13. Staff will ask about a Basin 13 training to stakeholders attending the July 11<sup>th</sup> meeting to gauge interest in one closer to Caney Creek Watershed.

### July 1<sup>st</sup> – July 5<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$91,748.47 **Remaining Budget Amount:** \$28,251.53

#### **Task 2** Public Education and Outreach Activities

- July 11, 2019 - CC meeting in Sargent.

### Task 3 Quality Assurance

- No updates.

### Task 4 TMDL Development and Key Elements of a WPP

- TMDL Document – staff have nearly completed the revised LDCs (70%). The continuous flow based on revisions to Tres Palacios and using EIH's height level gauge data increased from seven months to more than 1.5 years was completed. New LDCs and revised TMDL calculations will be used in the TMDL document.
- Staff began revising the TMDL calculations and incorporating the information into the TMDL document. **Delivery the week of July 8<sup>th</sup>.**
- Staff preparing the bacteria source priority maps and draft source load reductions.
- WPP elements – being drafted, will use information from bullet point two when completed and include results of management measure survey that will be given at the July 11, 2019 meeting. **Anticipate delivery the week of July 15<sup>th</sup>.**

### Task 5 Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. We will be looking at hosting a Lake Jackson training event in September. We will advertise in Basin 13. Staff will ask about a Basin 13 training to stakeholders attending the July 11<sup>th</sup> meeting to gauge interest in one closer to Caney Creek Watershed.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
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832.681.2579 | 713.627.3200 | fax: 713.993.4503  
[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, July 17, 2019 10:43 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (July 8 - July 12)  
**Attachments:** PR4\_July2019.pdf

Good Evening, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. I have attached PR4 for your review. Additionally, please follow this link to the Caney Creek TSD (revised) and TMDL Document - <https://h-gac.sharefile.com/d-s7fd55b37b9246819>

Please let me know if you have any questions.

July 8<sup>th</sup> – July 12<sup>th</sup>:

### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$104,035.73 **Remaining Budget Amount:** \$15,964.27

### Task 2 Public Education and Outreach Activities

- July 11, 2019 - CC meeting was held in Sargent. Eight stakeholders were in attendance. H-GAC presented the latest information on revisions to the Caney Creek TSD, development of the TMDL and source identification. H-GAC provided a management measure prioritization questionnaire for attendees to take.

### Task 3 Quality Assurance

- No updates.

### Task 4 TMDL Development and Key Elements of a WPP

- TMDL Document – staff were making the final modifications to the document prior to sending the document to TCEQ. The TSD was also updated and will be sent with the TMDL.
- Staff preparing the bacteria source priority maps and draft source load reductions. They should be completed the week of July 15<sup>th</sup>.
- WPP elements – being drafted, will use information from bullet point two when completed and include results of management measure survey that will be given at the July 11, 2019 meeting. **Revised anticipate delivery the week of July 22<sup>nd</sup>.**

### Task 5 Coordinate with the Texas Stream Team Program

- Staff discussed scheduling the next TST training. We will be looking at hosting a Lake Jackson training event in September. We will advertise in Basin 13. Staff asked the stakeholders attending the July 11<sup>th</sup> meeting if there was interest in one closer to Caney Creek Watershed. The representative from Boling ISD suggested that she and other science teachers would be interested in training.

Thanks,

Steve

Steven Johnston  
Senior Planner  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>

## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Sunday, July 21, 2019 2:44 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (July 15 - July 19)  
**Attachments:** TMDLcalculations0720198ver1.xlsx

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

July 15<sup>th</sup> – July 19<sup>th</sup>:

### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$104,035.73 **Remaining Budget Amount:** \$15,964.27
- Prepared and submitted PR4 for the period of June 1, 2019 – June 30, 2019.

### Task 2 Public Education and Outreach Activities

- No outreach activities this week.

### Task 3 Quality Assurance

- No updates.

### Task 4 TMDL Development and Key Elements of a WPP

- Revised TSD and draft TMDL document were submitted. Calculation spreadsheet is attached.
- WPP elements – being drafted, will use information from bullet point two when completed and include results of management measure survey that will be given at the July 11, 2019 meeting. **Revised anticipate delivery the week of July 22<sup>nd</sup>.**

### Task 5 Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff will begin working with Boling ISD to determine an opportunity to work with science teachers and to provide outreach to the school district.

Thanks,

Steve

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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, July 31, 2019 5:37 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (July 22 - July 26)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### July 22<sup>nd</sup> – July 26<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$104,035.73 **Remaining Budget Amount:** \$15,964.27

#### **Task 2** Public Education and Outreach Activities

- No outreach activities this week.

#### **Task 3** Quality Assurance

- No updates.

#### **Task 4** TMDL Development and Key Elements of a WPP

- Revised TSD and draft TMDL document were submitted 7/17/19.
- WPP elements – being drafted. **Revised anticipate delivery the week of July 29<sup>th</sup>.**

#### **Task 5** Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff will begin working with Boling ISD to determine an opportunity to work with science teachers and to provide outreach to the school district.

Thanks,

Steve

Steven Johnston  
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<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Tuesday, August 13, 2019 5:05 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (July 29 - Aug 2)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

### July 29<sup>th</sup> – Aug. 2<sup>nd</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$104,035.73 **Remaining Budget Amount:** \$15,964.27

#### **Task 2** Public Education and Outreach Activities

- Bay City is working with staff under a 319 grant to address multi-family homes with FOG education. We try to capitalize on this in the future with stakeholders in Caney Creek.

#### **Task 3** Quality Assurance

- No updates.

#### **Task 4** TMDL Development and Key Elements of a WPP

- Received comments to the revised TSD and draft TMDL document. Began to address.
- WPP elements – being drafted. **Revised anticipate delivery the week of August 21<sup>st</sup>.**

#### **Task 5** Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff will begin working with Boling ISD to determine an opportunity to work with science teachers and to provide outreach to the school district.

Thanks,

Steve

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<http://h-gac.com/community/water/tmdl/big/default.aspx>



First Name	Last Name	Email Address	Phone	County	Representing	Job Title	Joining Coordination Committee?
Muriel	Tipps	<a href="mailto:murtipps@msn.com">murtipps@msn.com</a>	979-482-6025	Matagorda	Local Business Owner		Confirmed
Kent	Pollard	<a href="mailto:kpollard@co.matagorda.tx.us">kpollard@co.matagorda.tx.us</a>	979-863-7861	Matagorda	Matagorda County	Commissioner, Precinct 2	Confirmed
Brian	Koch	<a href="mailto:bkoch@tsswcb.state.tx.us">bkoch@tsswcb.state.tx.us</a>	979-532-9496	Wharton	Agricultural Interests		Confirmed
John	McLoughlin	<a href="mailto:jwmccloughlin241@gmail.com">jwmccloughlin241@gmail.com</a>	979-245-6896	Matagorda	Municipal Utility Districts		Confirmed
Keith	Jedlicka	<a href="mailto:kjedlicka@bolingisd.net">kjedlicka@bolingisd.net</a>	979-559-1258	Wharton	Boling (Boling ISD)	High School Principle	Confirmed
Sherry	Martinez	<a href="mailto:smartinez@vvisd.org">smartinez@vvisd.org</a>	979-245-8518	Matagorda	Van Vleck (Van Vleck ISD)	High School Science Dept. Chair	Confirmed
		<a href="mailto:bolingMUD2017@hotmail.com">bolingMUD2017@hotmail.com</a>	979-657-2106	Wharton	Boling Municipal Water District		Confirmed. Representative name TBD.
Todd	Plicik	<a href="mailto:todd.plicik@tpwd.texas.gov">todd.plicik@tpwd.texas.gov</a>	979-255-8483	Matagorda / Brazoria	Parks / Recreation		Maybe
Bill	Balboa	<a href="mailto:bbalboa@matbay.org">bbalboa@matbay.org</a>	361-781-2171	Matagorda	Matagorda Bay Foundation	Executive Director	Maybe
C.J.	Fucik	<a href="mailto:cfucik@outlook.com">cfucik@outlook.com</a>		Matagorda	Caney Creek Estates HOA		Maybe
Edward	Stavinoha	<a href="mailto:stavinoha@gmail.com">stavinoha@gmail.com</a>	979-245-0408	Matagorda	East Matagorda Bay Foundation		Maybe
Wade	Schultz		Cell - 979.240.6112 Office - 979.245.6751	Matagorda	Drainage District #1	Supervisor	PENDING. Left message with office.
Linda	Hugill		979-245-0245	Matagorda	Caney Creek MUD		PENDING. Left message with office attendant.
				Wharton	Wharton Foods / CAFO		PENDING. Working with Judge Spennath to identify a contact here.

[plmarz@cityofwharton.com](mailto:plmarz@cityofwharton.com)

[trish@bolingcountywaterdistrict.com](mailto:trish@bolingcountywaterdistrict.com)





# **Brazos – Colorado Coastal Basin: Public Outreach Report**

## **Coordination Committee 3**

July 11, 2019

### **TABLE OF CONTENTS**

<b>I.</b>	<b>OVERVIEW</b>	<b>2</b>
<b>II.</b>	<b>PURPOSE</b>	<b>2</b>
<b>III.</b>	<b>APPROACH</b>	<b>3</b>
<b>IV.</b>	<b>NOTIFICATION</b>	<b>3</b>
<b>V.</b>	<b>MATERIALS</b>	<b>3</b>
<b>VI.</b>	<b>MEETING SYNOPSIS</b>	<b>3</b>
<b>VII.</b>	<b>NEXT MEETING</b>	<b>5</b>



## I. OVERVIEW

Per Umbrella Contract 582-18-81222, the Texas Commission on Environmental Quality (TCEQ) requested Public Outreach support from the Houston-Galveston Area Council (H-GAC) for Basin 13, with activities for all elements of Public Outreach including, but not necessarily limited to:

- Identifying and Reserving Facilities for Meetings and / or Events;
- Providing a Facilitator for Any Meetings (As Needed);
- Providing Support for Organizing and Advertising Meetings and / or Events;
- Distribution and Posting of Meeting Agenda(s);
- Preparation of Meeting and / or Event Summaries;
- Preparation of Printed or Other Presentation Materials in Support of a Meeting and / or Event;
- Use of the H-GAC Website for Posting Meeting and / or Event Information; and
- Any Other Necessary Support Activities.

On July 11, 2019 (Coordination Committee (CC) Meeting #3), H-GAC conducted the third coordination committee meeting for Caney Creek to review water quality and other bacteria related source data, review the latest data and information related to sources and take a management measures questionnaire to assist in prioritization of sources.

## II. PURPOSE

The water body discussed during the meeting was Caney Creek, a small coastal watershed which originates in southeast Wharton County and traverses Matagorda County. Linville Bayou is a small tributary to Caney Creek and serves as a portion of the border between Matagorda and Brazoria County before joining Caney Creek Tidal and traveling the final path before entering the Gulf of Mexico by way of the Gulf Coast Intracoastal Waterway and East Matagorda Bay.

The Purpose of this public meeting was to consider the following:

1. Review recent data and information,
2. Consider sources of bacteria, and



3. Take part in a questionnaire on water quality management practices.

### III. **APPROACH and NOTIFICATION**

A list of stakeholders and interested parties was generated based on the fourth public meeting held November 1, 2018. The list has been augmented following previous coordination committee meetings and suggestions made by stakeholders. Newly identified stakeholders were contacted directly via e-mail and/or phone to announce the planned meeting and encourage their participation. The meeting was announced on the H-GAC website and in H-GAC newsletters. Additional meeting details; and meeting reminders were sent to the identified list of stakeholders.

### IV. **MATERIALS**

The following materials were made available for the meeting:

1. Sign-In Sheet(s)
2. Copies of relevant approved watershed-based plans
3. Management Measure Survey

### V. **MEETING SYNOPSIS**

*Location*

Caney Creek Chapel  
Sargent, TX 77414

*When*

Thursday, July 11, 2019  
5:30 PM – 7:30 PM



**Attendees**

<b>NAME</b>	<b>ORGANIZATION REPRESENTED</b>	<b>ASSUMED COUNTY?</b>
Sherry Martinez	Van Vleck ISD	Matagorda
Muriel Tipps	Public	Matagorda
Bill Balboa	Matagorda Bay Foundation	Matagorda
Kent Pollard	Matagorda County Commissioner, Pct. 2	Matagorda
Brian Koch	TSSWCB	Wharton
John McLaughlin	MUD/East Matagorda Bay Foundation	Matagorda
Doug Harris	Caney Creek MUD	Matagorda
Eugene Davis	Caney Creek Chapel	Matagorda
Jason Leifester	TCEQ	Travis
Steven Johnston	H-GAC	Multiple

**To view the sign-in sheet in its entirety, please see Attachment A.**

***Meeting Summary***

Mr. Steven Johnston from H-GAC provided a presentation that included an agenda, reviewed the status of Caney Creek's water quality, provided an update to data and information contained in the Caney Creek Technical Support Document and TMDL Document. The committee discussed potential management measures and took a prioritization questionnaire on water quality management practices to control fecal bacteria sources.

**VI. NEXT MEETING**

To Be Determined.



IGAC



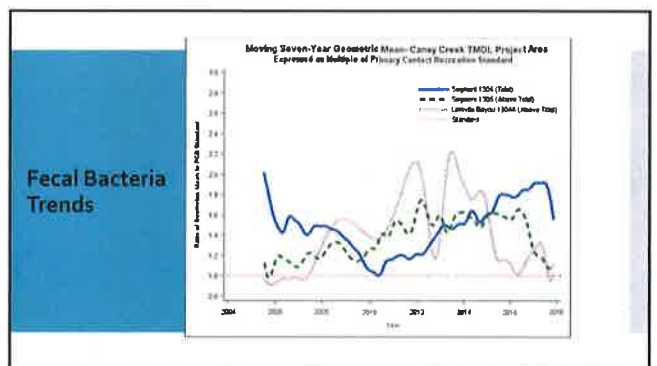
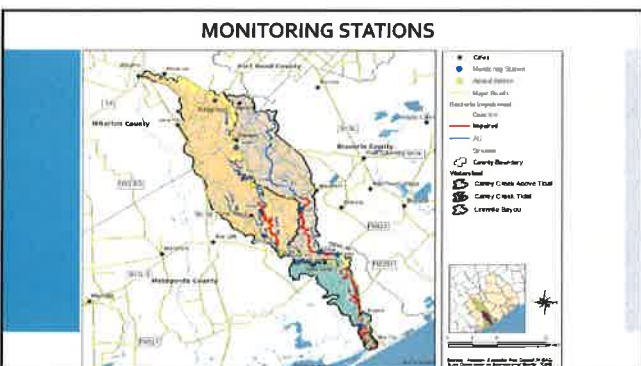
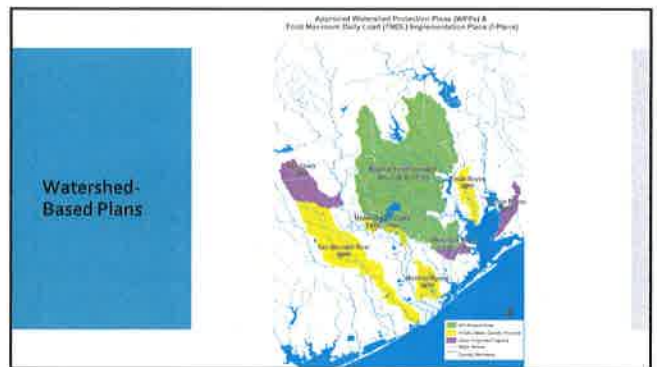
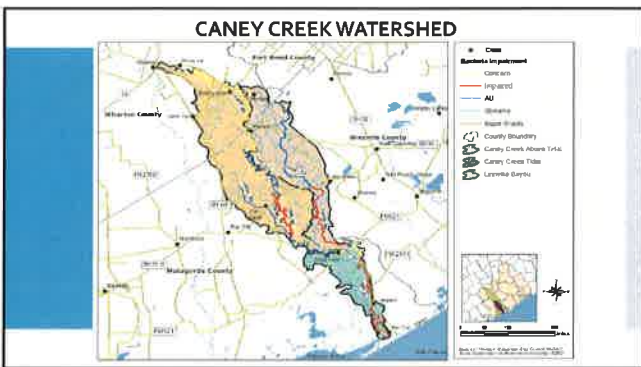
## CANEY CREEK WATERSHED TMDL PROJECT

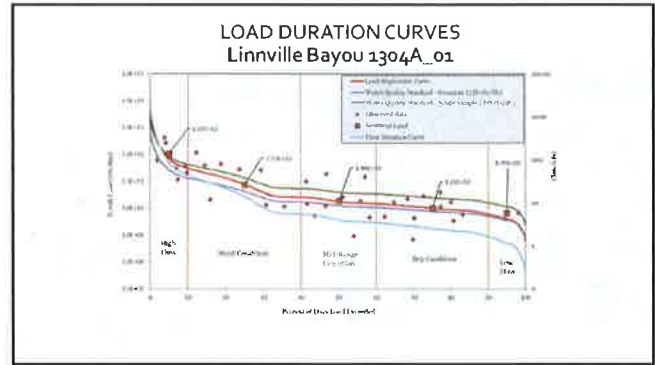
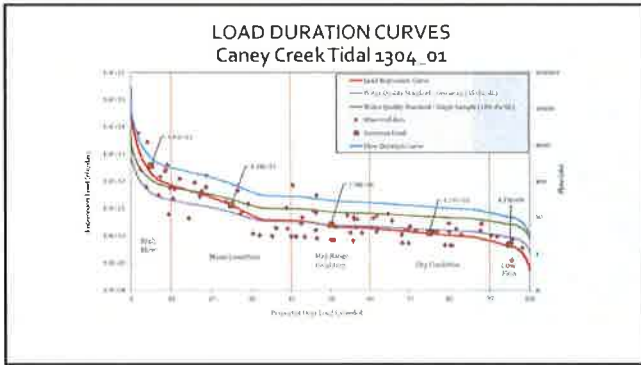
July 11, 2019  
Steven Johnston




## Meeting Agenda

- \* 5:30 – 5:35 Welcome - Open Meeting
- \* 5:35 – 5:45 Project Status Update
- \* 5:45 – 6:00 Caney Creek Data Review
- \* 6:00 – 7:00 Inform Bacteria Reduction Plan
- \* 7:00 – 7:15 Wrap Up and Next Steps
- \* 7:15 – 7:30 Open Q&A / Adjourn





## TMDL

$TMDL = WLA + (WLA_{\text{allow}} \times n) + WLA_{\text{flex}} + LA + PG + MOS$

Draft TMDL - (Preliminary)

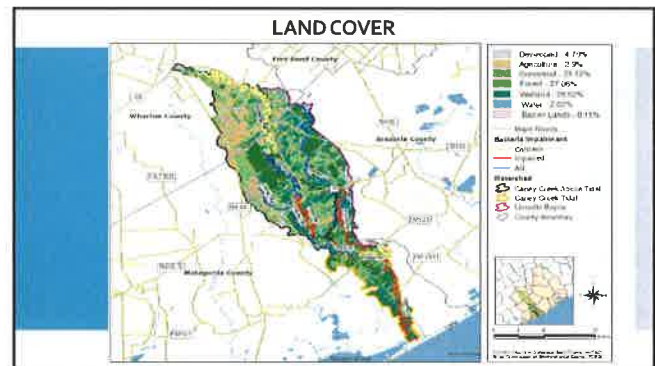
WQ	Indicator Parameter	TMDL (lb/day ppm/ft²)	WQI (lb/day ppm/ft²)	WLA <sub>allow</sub> (lb/day ppm/ft²)	WLA <sub>flex</sub> (lb/day ppm/ft²)	LA (lb/day ppm/ft²)
1304_01	Ammonia	187.75	2.32	0.33	0.33	284.73
1304_01	Turb	10.84	1.41	0.23	0.23	141.23

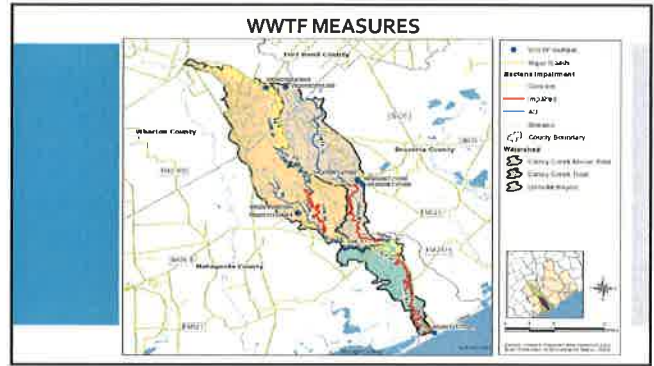
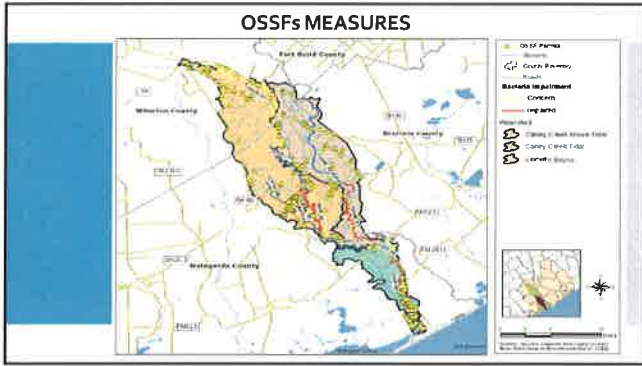
## BACTERIA REDUCTION

Flow Condition	Estimation Range	1304_01		1304A_01		1304_01	
		T. cell		T. cell		Enterococci	
		228,880/100 ft²		2,18,880/100 ft²		93,880/100 ft²	
		Currently Mean (ppm/ft²)	Required Percent Reduction	Currently Mean (ppm/ft²)	Required Percent Reduction	Currently Mean (ppm/ft²)	Required Percent Reduction
High Flow	37,120%	688.22	81.00%	688.22	81.00%	179.81	79.81%
Low Flow	(15-40%)	218.78	42.51%	218.85	78.00%	64.01	69.99%
Full Range		188.800	52.78%	188.78	80.00%	49.36	73.64%
Dry		88.71	8.00%	88.71	8.00%	88.80	8.51%
Low Flow	288,880/100 ft²	78.48	8.00%	78.78	8.00%	27.47	2.00%

## Possible Sources of Fecal Bacteria

- Domestic pets (dogs, cats)
- Leaking wastewater infrastructure
- Wildlife (deer, bird, raccoon, etc.)
- Feral Hogs
- Onsite Sewage Treatment
- Agriculture/Pasture



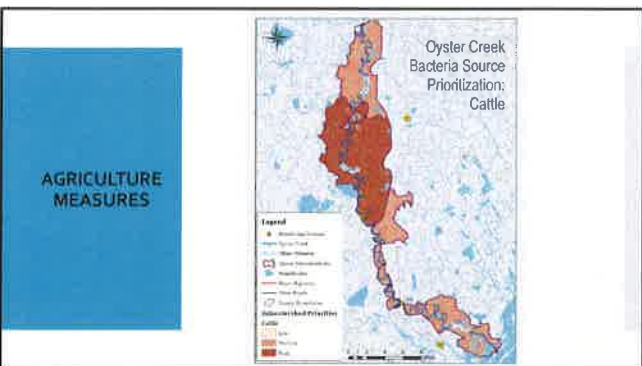


### POTENTIAL AGRICULTURAL SOURCE MEASURES

Measure	Number of Sources	Addressed	Remaining	Open	Active	Priority
Watershed	14,100	7,907	6,193	1,427	4,766	4,766
Whitman	14,100	8,143	5,957	1,427	4,530	4,530
Blaine	1,241	2,749	1,508	1,381	1,127	1,127
Oyster Creek Water	2,994	1,104	1,890	1	17	17
Little Oyster Creek	1,310	1,104	206	17	17	17
Oyster Creek Water	1,484	1,104	380	17	17	17

### PETS / FERAL HOGS MEASURES

Measure	Number of Sources	Addressed	Remaining	Open	Active	Priority
Watershed	1,484	1,104	380	17	17	17
Whitman	1,484	1,104	380	17	17	17
Blaine	1,241	1,104	137	17	17	17
Oyster Creek Water	2,994	1,104	1,890	17	17	17
Little Oyster Creek	1,310	1,104	206	17	17	17
Oyster Creek Water	1,484	1,104	380	17	17	17



- ### Questionnaire
- Four Management Areas:
    - Agriculture
    - OSSF (Septic Systems) and Illegal Dumping
    - Feral Populations and Pet Wastes
    - Wastewater Management and Sanitary Collection
  - Prioritize Within Each Area:
    - Rank Within Each Source Type
    - Rank Within Each Best Practice
  - Comments:
    - Identify Implementers
    - Consider an element that is missing – Source Area, Practice


**CURRENT IMPLEMENTATION**

- Coastal Communities
  - [www.tceq.texas.gov/programs/CoastalCommunities](http://www.tceq.texas.gov/programs/CoastalCommunities)
- OSGF SEP
  - [www.tceq.texas.gov/programs/OSGF](http://www.tceq.texas.gov/programs/OSGF)
- TrashWatch@Lake Jackson
  - [www.tceq.texas.gov/programs/TrashWatch](http://www.tceq.texas.gov/programs/TrashWatch)
- Texas Stream Team
  - Lake Jackson - Sept. 2018
- Imp. Workshops
  - 1st Coastal Stormwater Workshop (July 2018)
  - O&M (July 2018)
  - 2nd Coastal Stormwater Workshop (Nov. 2018)
  - 3rd (Nov 2019)



**NEXT STEPS in the PROCESS**

- CC – Management Strategies (July 2019)
- TMDL/WPP Draft Measures Submitted to TCEQ (July 2019)
- Leadership Forum (Nov 2019)
- CC – Review Draft I-Plan/WPP (Nov 2019)



Thank You!

David B. Smith  
 Executive Director  
 Texas Coastal Program







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**Houston-Galveston Area Council**

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September 14, 2019

Mr. Jason Leifester (MC 203)  
TMDL Project Manager  
Water Quality Division  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg. F  
Austin, Texas 78753

RE: September 2019 Progress Report for Contract 582-18-81222, Work Order 3, Basin 13.

Dear Mr. Leifester:

Enclosed is one (1) copy of the FY 2019 6<sup>th</sup> Progress Report for Contract No. 582-18-81222-03. It covers all deliverable activities for the project period August 1, 2019 through August 31, 2019. Financial Statements, HUB report and Voucher will be submitted separately.

Included in this Report are:

1. One copy of the quarterly progress report for August 1, 2019 thru August 31, 2019.
2. Copies of meeting summaries and other pertinent materials from project related meetings.

We hope you find the quarterly report satisfactory. Any comments you have will be appreciated. If you have any questions, please contact me by phone (713-993-4549) or E-mail (todd.running@h-gac.com).

Sincerely,

Todd Running  
Water Resources Program Manager  
Community & Environmental Planning Dept.

CC Jazmyn Milford  
Chris Loft

TR/srj  
Enclosures



**TMDL Program**  
**FY 2019 Progress Report #6**  
**Time Period Covered: 8/01/2019 – 8/31/2019**  
**Name of Project: Basin Approach to Address Bacterial Impairments in the Brazos – Colorado Coastal Basin (Basin 13)**  
**Contract No./Work Order 582-18-81222-03**

**Date: September 14, 2019**

**TASK #1. PROJECT ADMINISTRATION**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Monthly Progress Report	September 15, 2019	Monthly report for Work Order submitted electronically on September 14, 2019
Invoice	September 15, 2019	Invoices will be submitted under another cover.
Weekly Reports	Weekly	Provided as an attachment.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Work performed for this task during this period included writing and assembling the monthly report. Copies of weekly emails are attached.

**TASK #2. PUBLIC EDUCATION AND OUTREACH**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Development of meeting materials (Task 2.1)	Draft meeting materials will be sent to the TCEQ Project Manager at least two weeks prior to distribution for each meeting	<ul style="list-style-type: none"> <li>• A public meeting was held November 1, 2018.</li> <li>• 1<sup>st</sup> Caney Creek Coordination Committee meeting was held on February 21, 2019. A draft presentation w/agenda was shared with TCEQ 2/12/2019.</li> <li>• 1<sup>st</sup> Basin 13 Leadership Forum was held March 21, 2019 in the city of Wharton. A draft presentation w/agenda was shared with TCEQ 3/18/2019.</li> <li>• 2<sup>nd</sup> Caney Creek Coordination Committee meeting was held on July 11, 2019.</li> </ul> <p>No public meetings held in August.</p>
Host two, and up to four total, watershed stakeholder meetings (Task 2.2)	As needed	<ul style="list-style-type: none"> <li>• November 1, 2018 - Public Meeting.</li> <li>• February 21, 2019 - Caney Creek Coordination Committee Meeting</li> <li>• March 21, 2019 - Basin 13 Leadership Forum #1</li> <li>• July 11, 2019 – Caney Creek CC meeting</li> </ul> <p>No public meetings held in August.</p>
Summary of meetings (Task 2.3)	Within 2 weeks after meetings	No public meetings held in August.
List of general stakeholders (Task 2.4)	With PRs	A stakeholder list is maintained and updated as needed. CC stakeholder list attached.
Facilitate delivery of Extension programs (Task 2.5)	As needed	No extension programs provided during this reporting period.
Public participation/outreach summaries (Task 2)	With PRs	No public meetings held in August.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

No meetings or outreach events were held during the month of August.

**TASK #3 EXISTING DATA QAPP MAINTENANCE**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	If the deliverable has been completed, enter the date submitted to the TCEQ. If the deliverable has not been completed, briefly describe the status of each deliverable.
Acquired Data QAPP annual update (Task 3.1)	30 days after issuance of Notice to Proceed	Annual update for FY2019 submitted to TCEQ in September 2018.
QAPP amendments (Task 3.2)	As needed	None were needed.
QAPP CARs (Task 3.3)	As needed	No CARs were needed.
Quality assurance audits (Task 3.4)	Will participate as needed	An audit was not performed this quarter.

**Work Performed This Period**

Started QAPP update – the Work Plan was finalized for FY 2020.

**TASK #4 TMDL AND DEVELOPMENT OF SPECIFIC KEY ELEMENTS OF A WPP FOR THE CANEY CREEK WATERSHED**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Draft TMDL (Task 4.1)	June 30, 2017	TMDL document was submitted in the month of July. TCEQ provided comments, which were addressed in August. The TMDL was resubmitted.
Work Group Meetings (Task 4.2)	As needed.	No work group meetings were held in the report period.
Final TMDL Document with WPP Elements (Task 4.3)	Two weeks after receipt of TCEQ comments	TCEQ provided comments on the TMDL document, which were addressed in August and the TMDL was resubmitted. H-GAC continued to work on the three elements to a WPP.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

Received comments to the draft TSD and TMDL. The Caney Creek TSD was revised and TCEQ PM approved the document. Staff addressed the comments and revised the TMDL document and resubmitted to TCEQ. H-GAC continues to draft the WPP draft elements A-C. Staff will submit the three-element document to TCEQ early in the first quarter of FY 2020.

**TASK #5 COORDINATE WITH TEXAS STREAM TEAM PROGRAM**

<b>Deliverable(s)</b>	<b>Due Date</b>	<b>Status</b>
List all deliverables under the task described above	List the due dates for each deliverable	Final progress report and evaluation submitted to TCEQ
Organize trainings and provide monitoring kits (Task 5.1)	Provide summaries with PRs	No progress to report.
Target volunteer efforts (Task 5.2)	Provide summaries with PRs	No progress to report.

**Work Performed This Period – detail all activities for this task and briefly describe the progress on each deliverable:**

H-GAC staff are discussing the next training event. H-GAC will host a training event at Brazosport College in September. H-GAC announced the event during the July 11<sup>th</sup> Caney Creek stakeholder meeting. One attendee from Van Vleck ISD mentioned that teachers from the school district would potentially be interested in the training, with some possibly becoming TST volunteers. H-GAC followed up with Van Vleck ISD and Boling ISD. No response was received in August. Staff will continue to reach out to test their interest.

**PROJECT RELATED MEETINGS, WORKSHOPS, TRAINING OR EVENTS**

- 1) Presentations:
  - a. No presentations given this month.
- 2) Meetings, Events and Conferences:
  - a. No additional meetings or events held in support of Basin 13.
- 3) Associated Implementation Projects and Programs
  - a. H-GAC's OSSF SEP is continues to work in the area.

**BRIEF DESCRIPTION OF OVERALL FINDINGS:**

H-GAC received comments to the Caney Creek TMDL document and the TSD. H-GAC addressed those comments which included revising the map set, some document formatting and adjust the TMDL document to use the 2016 IR rather than the 2018 IR. The documents were revised during the reporting period and resubmitted. The TSD was approved. The TCEQ PM made a few additional comments to the TMDL document which were addressed.

Staff continued to work on the WPP elements. The WPP will address the bacteria impairments and other water quality concerns. The document will be submitted early in the first quarter of FY20. Staff discussed the potential FY 20 outreach schedule with the TCEQ PM. The first meetings will be held in November/December.

**Significant Problems (describe any scheduling shortfalls, detail significant problems and how these problems were resolved, etc.):**

The only shortfall is in delivery of the WPP elements. H-GAC will resolve this by delivering the document in September.



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Tuesday, August 13, 2019 5:05 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Reports (July 29 - Aug 2)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

July 29<sup>th</sup> – Aug. 2<sup>nd</sup>:

### Task 1 Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (May 31, 2019):** \$104,035.73 **Remaining Budget Amount:** \$15,964.27

### Task 2 Public Education and Outreach Activities

- Bay City is working with staff under a 319 grant to address multi-family homes with FOG education. We try to capitalize on this in the future with stakeholders in Caney Creek.

### Task 3 Quality Assurance

- No updates.

### Task 4 TMDL Development and Key Elements of a WPP

- Received comments to the revised TSD and draft TMDL document. Began to address.
- WPP elements – being drafted. **Revised anticipate delivery the week of August 21<sup>st</sup>.**

### Task 5 Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff will begin working with Boling ISD to determine an opportunity to work with science teachers and to provide outreach to the school district.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)  
832.681.2579 | 713.627.3200 | fax: 713.993.4503  
[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Thursday, August 15, 2019 4:45 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Report (Aug 5 - Aug 9)  
**Attachments:** PR5\_15Aug2019.pdf

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. I have also attached PR5 for your review. Please let me know if you have any questions.

### Aug. 5<sup>th</sup> – Aug. 9<sup>th</sup>:

#### **Task 1** Project Administration

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (July 31, 2019):** \$117,402.91 **Remaining Budget Amount:** \$2,597.09

#### **Task 2** Public Education and Outreach Activities

- Bay City is working with staff under a 319 grant to address multi-family homes with FOG education. We will try to capitalize on this in the future with stakeholders in Caney Creek.

#### **Task 3** Quality Assurance

- No updates.

#### **Task 4** TMDL Development and Key Elements of a WPP

- Received comments to the revised TSD and draft TMDL document. Addressing comments.
- WPP elements – being drafted.

#### **Task 5** Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff will reach out to Van Vleck and Boling ISDs to determine interest on the part of science teachers and potential for water quality outreach to the school districts.

Thanks,

Steve

Steven Johnston  
Senior Planner  
Community & Environmental Department | Houston-Galveston Area Council  
3555 Timmons, Suite 120 Houston, TX 77027 | [www.h-gac.com](http://www.h-gac.com)  
832.681.2579 | 713.627.3200 | fax: 713.993.4503  
[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Wednesday, August 21, 2019 7:49 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Report (Aug 12 - Aug 16)

Good Evening, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. I have provided a link to the revised Caney Creek TSD (<https://h-gac.sharefile.com/d-sa1f564d935f4ddeb>). I hope to have the revised TMDL document to you tomorrow. Still waiting on a couple of maps. Please let me know if you have any questions.

### Aug. 12<sup>th</sup> – Aug. 16<sup>th</sup>:

**Task 1** Project Administration -- Received executed 2020 WOs, started working on Work Plans.

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (July 31, 2019):** \$117,402.91 **Remaining Budget Amount:** \$2,597.09

**Task 2** Public Education and Outreach Activities

- Bay City is working with staff under a 319 grant to address multi-family homes with FOG education. We will try to capitalize on this in the future with stakeholders in Caney Creek.

**Task 3** Quality Assurance

- No updates.

**Task 4** TMDL Development and Key Elements of a WPP

- Received comments to the revised TSD and draft TMDL document. Addressing comments.
- WPP elements – being drafted.

**Task 5** Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff reached out to Van Vleck and Boling ISDs to determine interest on the part of science teachers and potential for water quality outreach to the school districts.

Thanks,

Steve

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[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

---

**From:** Johnston, Steven  
**Sent:** Friday, August 23, 2019 3:10 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Report (Aug 19 - Aug 23)

Good Afternoon, Jason – Below you will find the weekly report for Work Order #3 under 582-18-81222. Please let me know if you have any questions.

Aug. 19<sup>th</sup> – Aug. 23<sup>rd</sup>:

**Task 1** Project Administration -- Received executed 2020 WO, working on Work Plan and developing budget.

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (July 31, 2019):** \$117,402.91 **Remaining Budget Amount:** \$2,597.09

**Task 2** Public Education and Outreach Activities

- Bay City is working with staff under a 319 grant to address multi-family homes with FOG education. We will try to capitalize on this in the future with stakeholders in Caney Creek.

**Task 3** Quality Assurance

- No updates.

**Task 4** TMDL Development and Key Elements of a WPP

- Received comments to draft TMDL document. Addressing comments.
- Submitted revised TSD to TCEQ. Received minor comments, revised and document accepted by TCEQ PM.
- WPP elements – being drafted.

**Task 5** Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff reached out to Van Vleck and Boling ISDs to determine interest on the part of science teachers and potential for water quality outreach to the school districts.

Thanks,

Steve

Steven Johnston  
Senior Planner  
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[steven.johnston@h-gac.com](mailto:steven.johnston@h-gac.com)  
<http://h-gac.com/community/water/tmdl/big/default.aspx>



## Johnston, Steven

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**From:** Johnston, Steven  
**Sent:** Wednesday, September 11, 2019 5:25 PM  
**To:** Jason Leifester (Jason.leifester@tceq.texas.gov)  
**Cc:** 'Jazmyn Milford'; Chris Loft  
**Subject:** FY19 WO #3 Weekly Report (Aug 26 - Aug 30)

Good Afternoon, Jason – Below you will find the final weekly report for Work Order #3 under 582-18-81222. Any outstanding deliverables or final documents will be included with the weekly reports to 582-19-95487-02. Please let me know if you have any questions.

Aug. 26<sup>th</sup> – Aug. 30<sup>th</sup>:

**Task 1** Project Administration — Received executed 2020 WO, Work Plan and developing budget.

- **Anticipate Spend Down August 2019?:** Yes.
- **Is spending by categories going as expected?:** Yes at this time.
- **Last Invoice:** N/A.
- **Original Budget Amount:** \$120,000
- **Total Spent to Date (July 31, 2019):** \$117,402.91 **Remaining Budget Amount:** \$2,597.09

**Task 2** Public Education and Outreach Activities

- Bay City is working with staff under a 319 grant to address multi-family homes with FOG education. We will try to capitalize on this in the future with stakeholders in Caney Creek.

**Task 3** Quality Assurance

- No updates.

**Task 4** TMDL Development and Key Elements of a WPP

- Received comments to draft TMDL document from TCEQ PM. Addressed comments and resubmitted.
- TSD document accepted by TCEQ PM.
- WPP elements – being drafted.

**Task 5** Coordinate with the Texas Stream Team Program

- Have a training event scheduled for September 14, 2019 at Brazosport College. We will advertise in Basin 13.
- Staff reached out to Van Vleck and Boling ISDs to determine interest on the part of science teachers and potential for water quality outreach to the school districts.

Thanks,

Steve

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