

BACTERIA IMPLEMENTATION GROUP

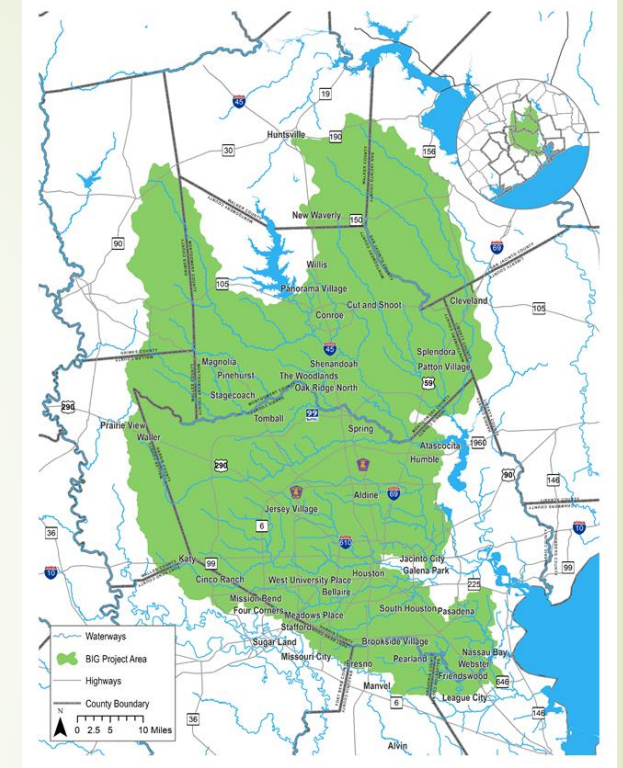
A close-up photograph of a person's hand reaching out from the right side of the frame, with the index finger just touching the surface of a body of blue water. The water is calm with subtle ripples emanating from the point of contact. The background is a soft-focus view of a boat's interior, showing a yellow seat and a white railing. The overall lighting is bright and natural, suggesting an outdoor setting.

FALL MEETING

10/23/2018

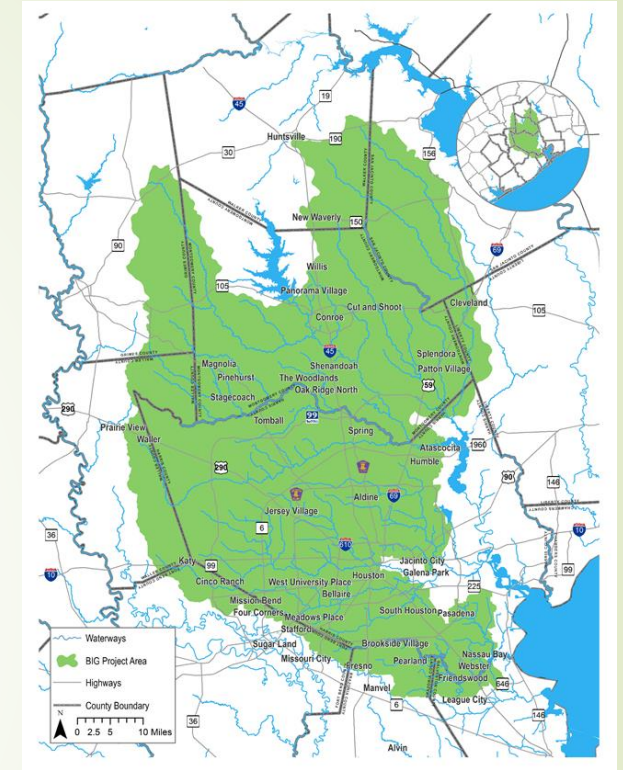
AGENDA

- **Call to Order/Introductions**
- **Quorum Certification**
- **Review and Approve BIG Roster**
- **Review and Approve Minutes**
- **Public Comment**
- **Item One:** Review 2018 Draft Annual Report
- **Item Two:** TMDL Program Updates
- **Item Three:** Response to TCEQ Letter
- **Item Four:** H-GAC Program Reports
- **Item Five:** Other Business
- **Adjourn**



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ROSTER DISCUSSION

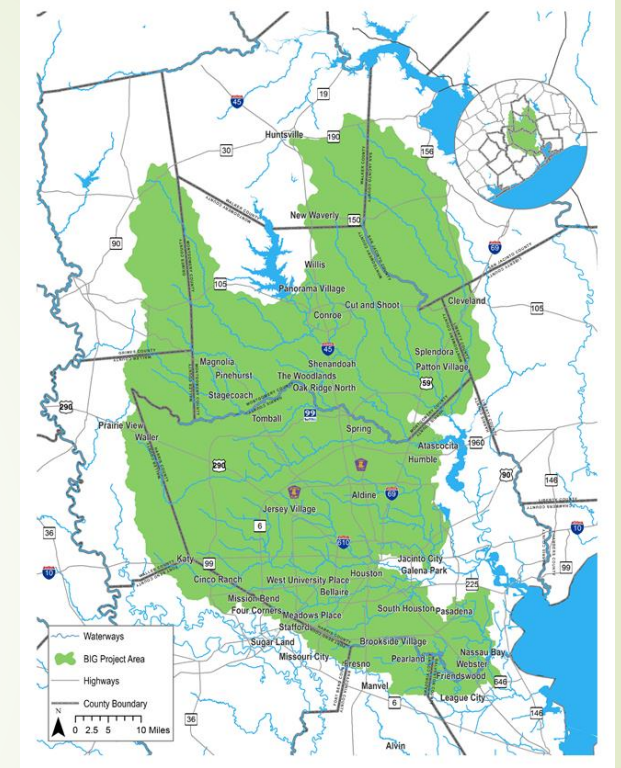
- BIG Membership
 - Sarah Bernhardt (Bayou Preservation Association)
 - Monica Singhanian (Texas Forest Service)
 - Jerry Caraviotis (HC PH&E)

- Alternates
 - None



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2018 ANNUAL REPORT

- Met with Workgroups
 - Coordination and Policy (2/28, 5/30, 7/30 and 10/15)
 - WWTF and SSS (3/20)
 - Stormwater (3/26)
 - Animals and Agriculture (4/26)
 - OSSF and Illicit Discharge (5/2)
 - Research and Monitoring (5/7)

BIG '18

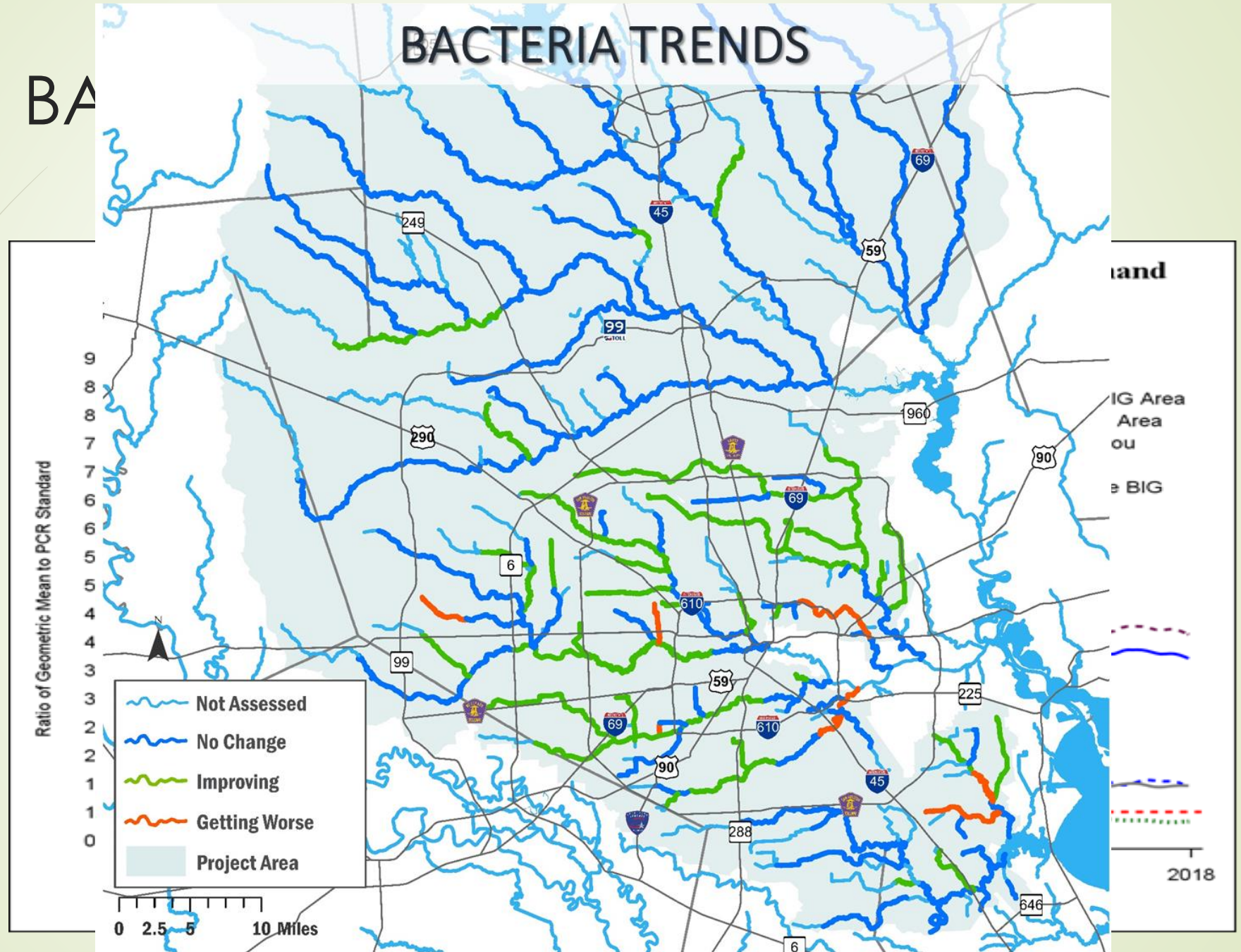
BACTERIA IMPLEMENTATION GROUP

ANNUAL REPORT





BA



FORMAT

- ▶ Slim down version
- ▶ Online Implementation Report
 - ▶ Recurring Data and Information
- ▶ Major Elements Remain
 - ▶ Executive Summary
 - ▶ Trends
 - ▶ Success Stories
 - ▶ Progress
 - ▶ Tracking (2017 Implementation)



**Help prevent plumbing blockages
and sanitary sewer overflows**

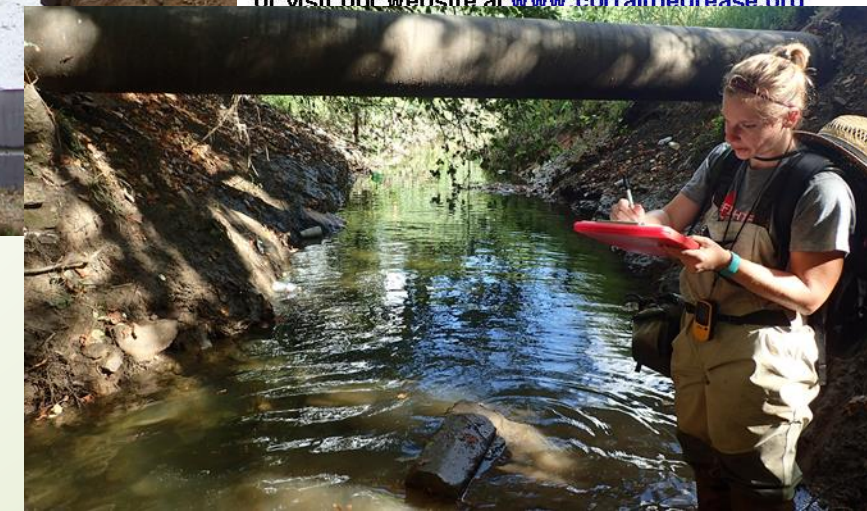
SUCCESS STORIES

- ▶ Houston Health Department and Galveston Bay Foundation – Fats, Oils, and Grease Program
- ▶ Residential Waste Water Assistance Program for OSSF Repair / Replacement
- ▶ Top Five / Least Five Illicit Discharge Detection and Elimination Model Program

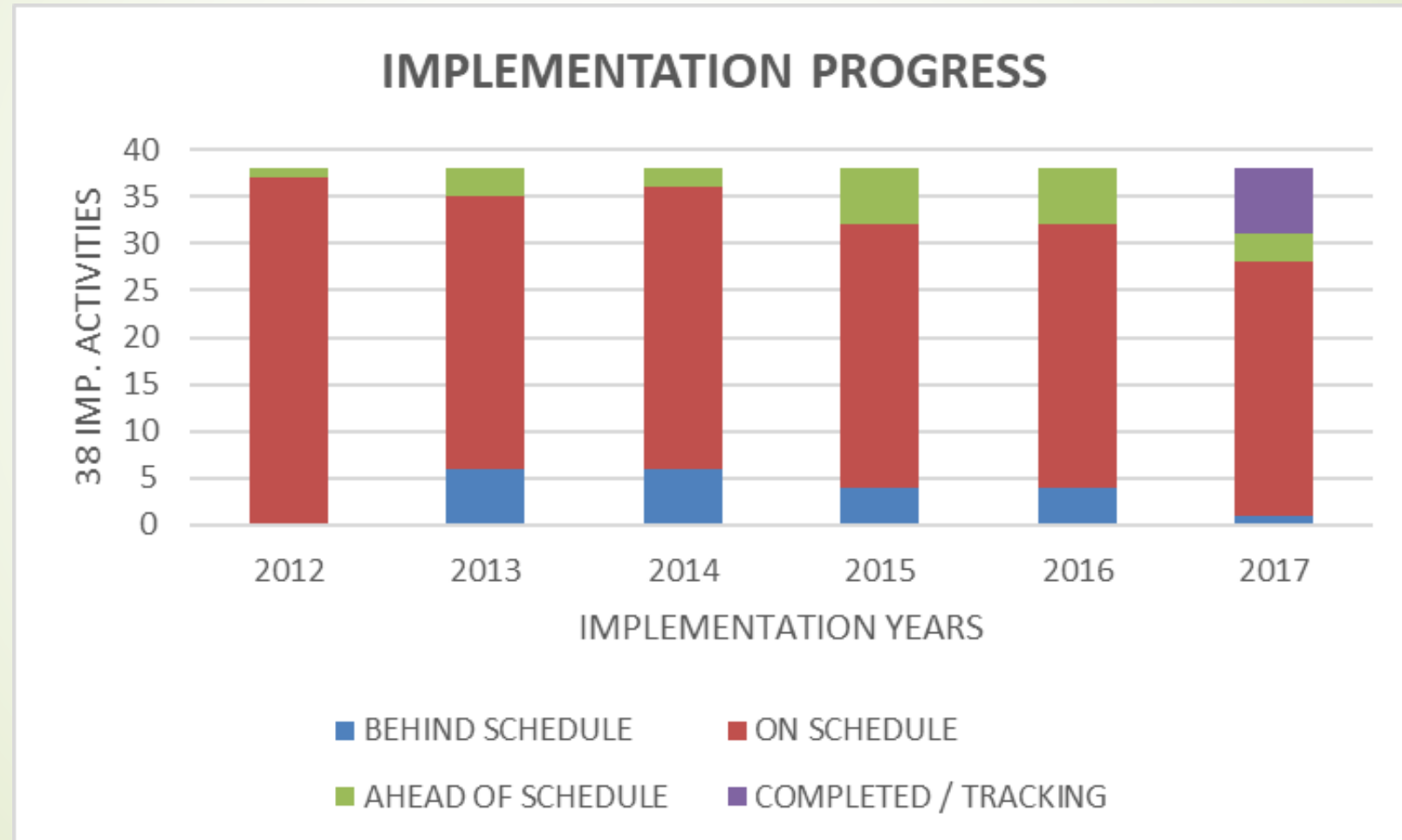


**Ayude a prevenir obstrucciones de
tuberías y los derrames en las
alcantarillas sanitarias**

For further information, contact:
Department of Public Works & Engineering
Dial 311
or visit our website at www.corralthegrease.org



PROGRESS REPORT



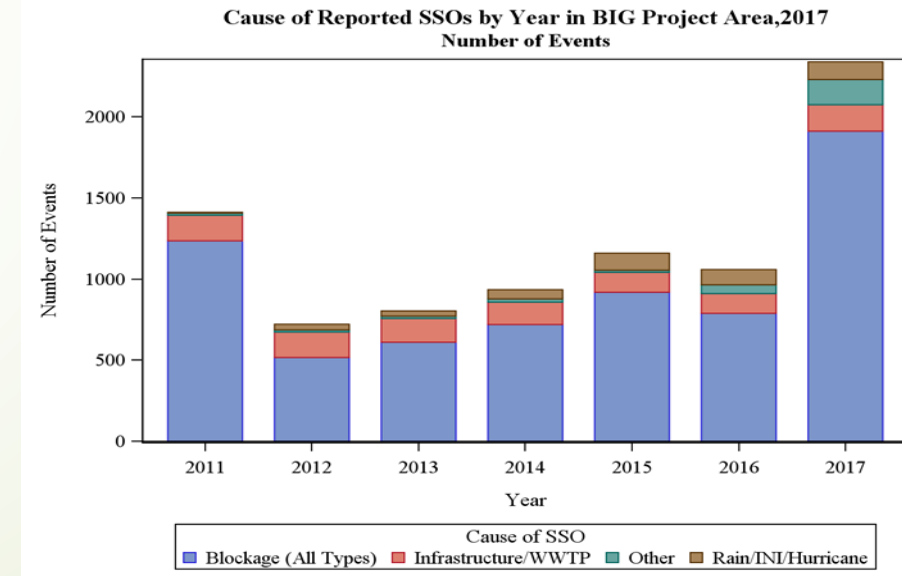
Strategy	#	Activity	Achievements	Progress	Status
Wastewater Treatment Facilities	1.1	Impose More Rigorous Bacteria Monitoring Requirements	More strict monitoring frequency requirements found in the I-Plan have not shown up in wastewater permits. The BIG submitted a letter which requested TCEQ consider measure.	Not Started Initiated In Progress Completed	Behind Schedule On Schedule Ahead of Schedule Tracking
	1.2	Impose Stricter Bacteria Limits for WWTF Effluent	More stringent limits have been implemented for wastewater permits. Activity is programmatically complete. There are 640 active permits in the project area, 568 submit DMRs with 532 reporting bacteria. 360 reported 63 MPN/100mL as their limit in 2017	Not Started Initiated In Progress Completed	Behind Schedule On Schedule Ahead of Schedule Tracking
	1.3	Increase Compliance and Enforcement by the TCEQ	The TCEQ reports performing compliance and enforcement capabilities within the BIG region. The BIG requested in 2017 TCEQ share data to track implementation.	Not Started Initiated In Progress Completed	Behind Schedule On Schedule Ahead of Schedule Tracking
	1.4	Improved Design and Operation Criteria for New Plants	Title 30 Chapter 217 of the Texas Administrative Code was updated to reflect current permitting practices of TCEQ and updated WWTF standards and criteria. Harris County reviews new WWTF plan sets and specifications. In 2017, Harris County screened 35 WWTF plan sets for compliance with state disinfections standards. None of the plan sets had to be referred to outside consultants for in-depth plan review.	Not Started Initiated In Progress Completed	Behind Schedule On Schedule Ahead of Schedule Tracking
	1.5	Upgrade Facilities	TCEQ's Permit Central Registry provides general information on the number of WWTF upgrades by county. The information lacks specificity on the number of non-compliant WWTFs that have been upgraded. 73 WWTF plans and specification applications were submitted in 2016 to improve, rehabilitate and/or upgrade. H-GAC hosted in May 2017, Trends and Technology in Waste Water.	Not Started Initiated In Progress Completed	Behind Schedule On Schedule Ahead of Schedule Tracking
	1.6	Consider Regionalization of WWTFs	Harris County updates the BIG on the number of HC plants undergoing regionalization. No plants in 2017 considering regionalization. EPA and TCEQ maintain non-compliant lists. TCEQ through the latest Chapter 217.requires new WWTFs to consider regionalization if an existing plant is within a three-mile radius.	Not Started Initiated In Progress Completed	Behind Schedule On Schedule Ahead of Schedule Tracking

ONLINE IMPLEMENTATION RESOURCES			
IMPLEMENTATION	NAME	USE	WEBSITE
FUNDING	USDA Rural Development Grant	Rural Wastewater Infrastructure	https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program
	319 Nonpoint Source Grant	Non permitted Nonpoint Source Reduction Measures	https://www.tceq.texas.gov/waterquality/nonpoint-source/grants
	319 Nonpoint Source Grant	Agriculture and Siviculture Nonpoint Source Measures	https://www.tsswcb.texas.gov/programs/texas-nonpoint-source-management-program
	320 Estuary Program	Water Quality Improvement	https://gbep.texas.gov/
	USDA Waste and Environmental Program	Multiple assistance programs	https://www.rd.usda.gov/programs-services/all-programs/water-environmental-programs
	NRCS EQUIP	Resource Conservation for Agriculture and Silviculture	https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/equip/
	Water Quality Management Plan	Soil and Water Conservation for Agriculture and Silviculture	https://www.tsswcb.texas.gov/index.php/programs/water-quality-management-plan
	Clean Water State Revolving Fund	Low cost financial assistance for wastewater, reuse, and stormwater infrastructure	http://www.twdb.texas.gov/financial/programs/CWSRF/
	EPA Water Infrastructure and Resiliency	Resource to explore innovative finance solutions	http://water.epa.gov/infrastructure/waterfinancecenter.cfm
	Texas Water Infrastructure Coordination Committee	Identify and develop solutions to water and wastewater	www.twicc.org
	Texas Parks and Wildlife Landowner Incentive Program	Enact conservation practices on private lands	https://tpwd.texas.gov/landwater/land/private/lip/#contact
Outreach and Education	Fats, Oils, Grease, Wipes	Cease the Grease	http://galvbay.org/ceasethegrease/
		Corral the Grease	www.publicworks.houstontx.gov/pud/corral_grease.html
		Patty Potty	www.pattypotty.com
	OSSF	OSSF mapping system	http://arcgis02.h-gac.com/ossf/
		Public outreach and education	www.h-gac.com/go/septic
	Clean Waters Initiative Workshops	Technical workshops covering a variety of water quality information	www.h-gac.com/CWI
	Coastal Communities	Nonpoint source outreach and education information	http://www.h-gac.com/coastal-communities/default.aspx
	Clean Water Clear Choice	Water quality outreach and education	www.cleanwaterways.org
Loanstar Healthy Streams	Agriculture BMPs	http://lshs.tamu.edu/bmps/	
Pet Waste	Basic information on pet wastes	www.h-gac.com/community/pet-waste/default.aspx	
Reporting	Galveston Bay Action Network	Pollution reporting in five counties surrounding Galveston Bay	www.galvbay.org/gban
	Illegal Dumping	Pollution reporting system for MS4s	www.cleanbayous.org
	HCFCDCitizen's Service Hotline	Telephone reporting system	713.684.4197
Data	Wastewater and Stormwater	Permit look up	https://www.tceq.texas.gov/agency/data/lookup-data/status-stormwater-wastewater.html
	Clear Rivers Program	Water Resource Information System	www.h-gac.com/go/wrim
	HCFCDBMP Database	Best Management Practices Monitoring	www.bmpbase.org
	LID Tracking	Low Impact Development Resource	www.h-gac.com/community/go/LID

WHERE'S THE DATA / TABLES

- Data Reporting and Observations
 - TCEQ and EPA
 - WWTF Numbers
- Training and Outreach
 - Professional Training
 - Residential Training
 - General Outreach
- Other Plan Implementation
 - IDDE
 - LID
 - OSSF Repair/Replace
- [Big Implementation Report](#)

Variable	Geometric Mean	Daily Maximum or Grab Sample
Total Results Reported	4712	4967
Total Exceeding Limit	33	153
Percent Exceedance	0.70034	3.08033



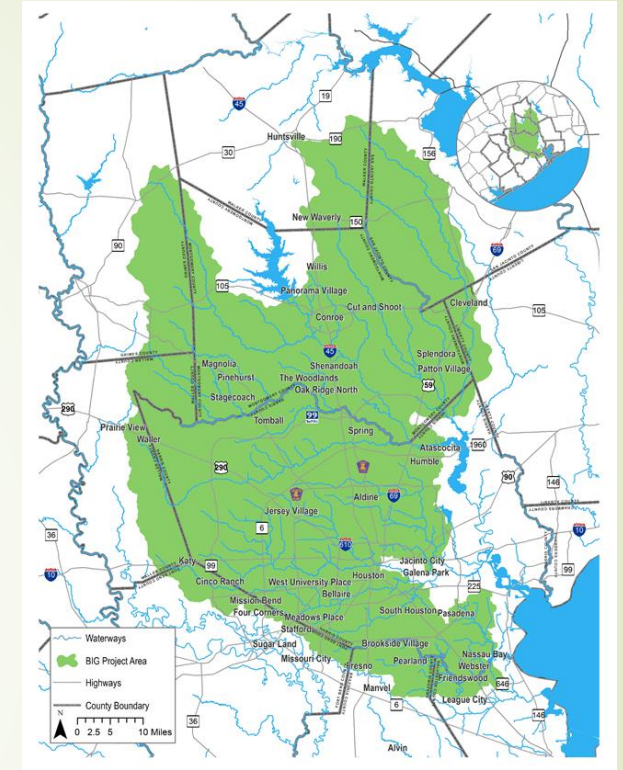
NEXT STEPS

- Approval 2018 report (Oct. 23, 2018?)
- Final Updates to Online Imp. Report (Nov. 30, 2018)
- Work Groups (Dec. – March) I-Plan Update
- BIG Spring Meeting (June 4, 2018)



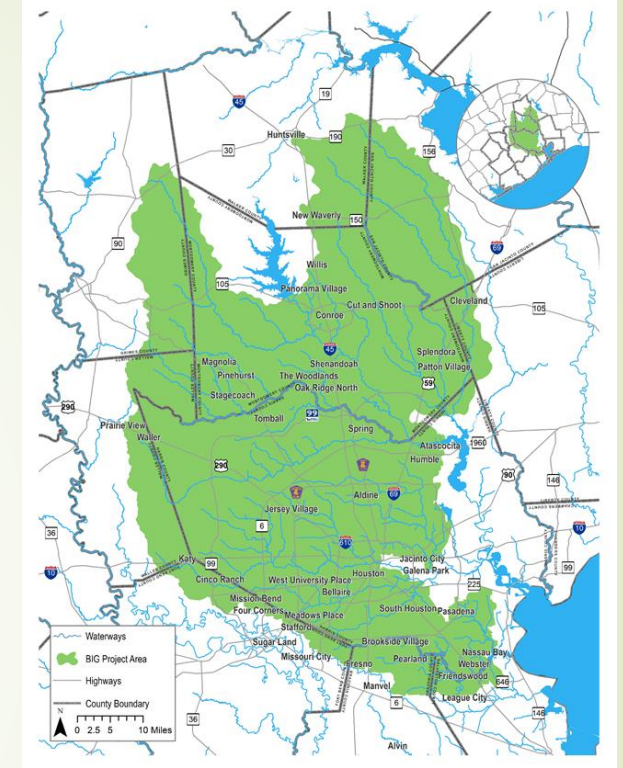
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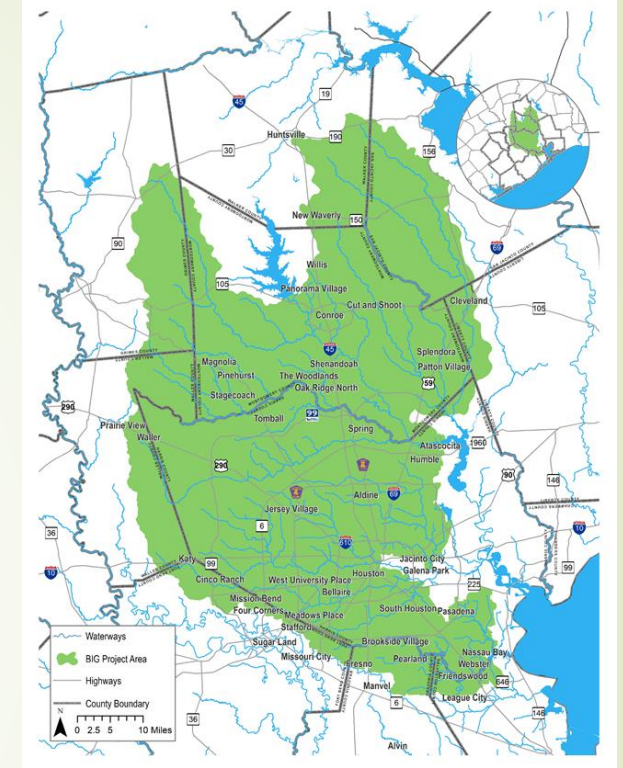
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Up Coming Meetings

- ▶ 10/24 CWI – Recovery and Resiliency 2 - 4:00 PM (H-GAC)
- ▶ 11/1 NRAC 1:30 – 3:30 PM (H-GAC)
- ▶ 11/1 Caney Creek Public Meeting 4 – 6:00 PM (Bay City Community Center)
- ▶ 11/7 Coastal Communities Water Quality Outreach 10 – 12:00 PM (H-GAC)
- ▶ 11/7 [LID Maintenance Workshop](#) 1:30 – 3:30 PM (H-GAC)
- ▶ 11/8 Oyster Creek Public Meeting 4 – 6:00 PM (Brazoria Co. Public Library, Lake Jackson)

ADJOURN

- Next Meeting
 - June 4, 2019

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