



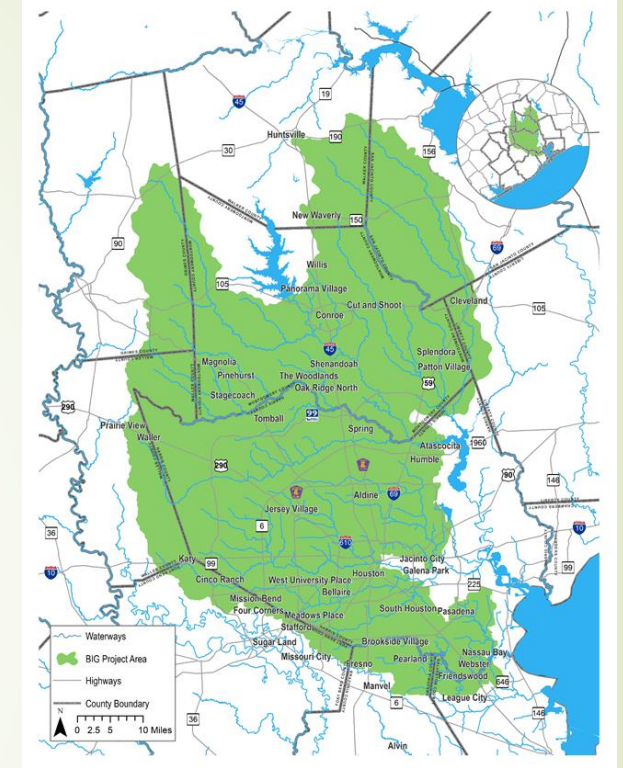
BACTERIA IMPLEMENTATION GROUP

SPRING MEETING

06/05/2018

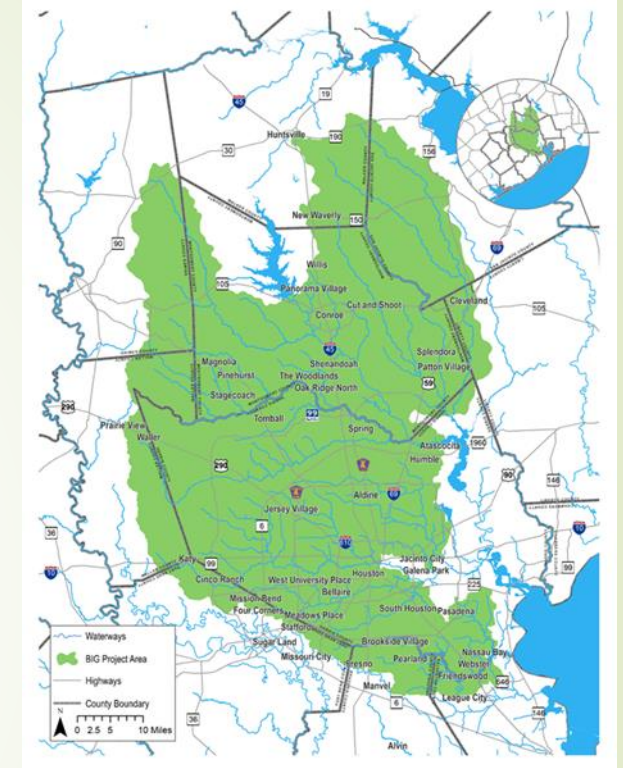
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- **Call to Order/Introductions**
- **Quorum Certification**
- **Review and Approve BIG Roster**
- **Review and Approve Minutes**
- **Public Comment**
- **Item One:** Review and Approve Addendum Four
- **Item Two:** TMDL Program Updates
- **Item Three:** TCEQ Response to the BIG
- **Item Four:** 2018 Annual Report Process
- **Item Five:** SARA Presentation: Yu-Chun Su, Ph.D. and Sheeba Thomas
- **Item Six:** “Fight the Bite”: Sarah Gunter, Ph.D.
- **Item Seven:** Other Business
- **Adjourn**



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ROSTER DISCUSSION

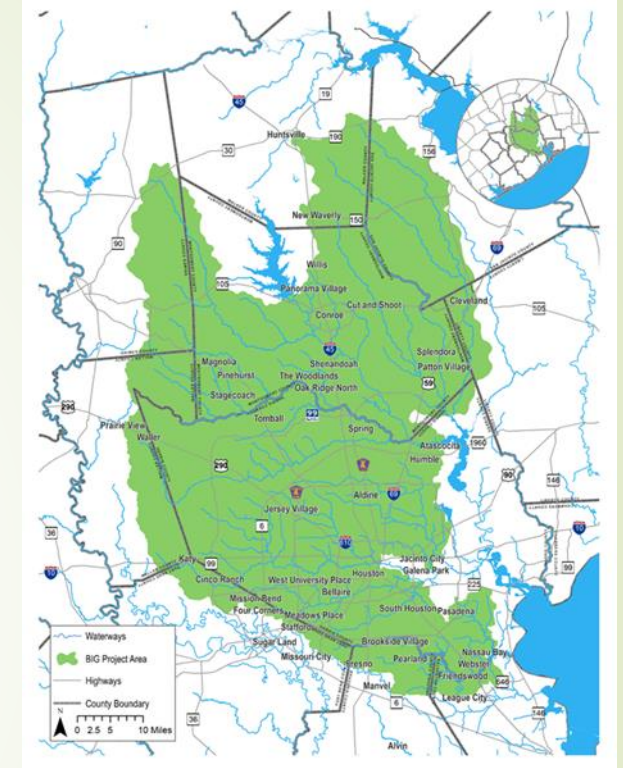
- BIG Membership
 - Michael Thornhill (Utility District)
 - Scott Tuma (Boater)

- Alternates
 - Sarah Gossett
(Boater Waste Program)



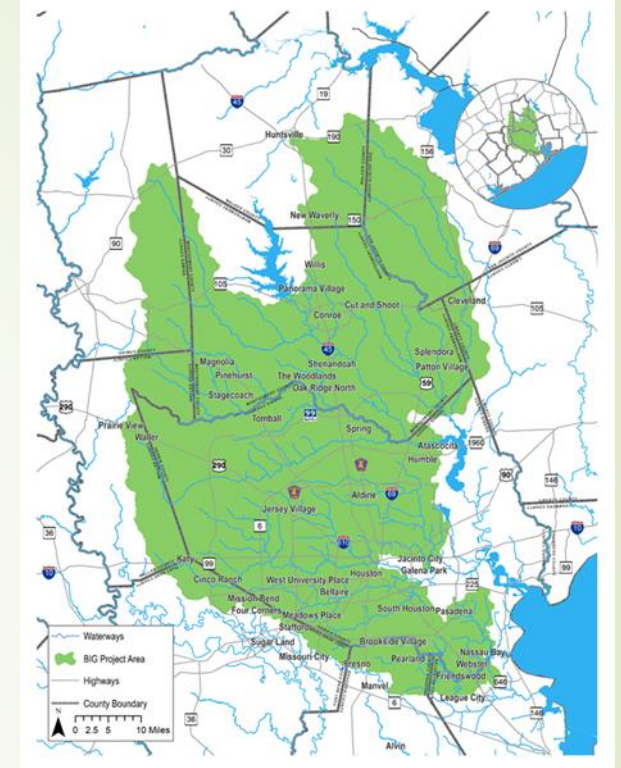
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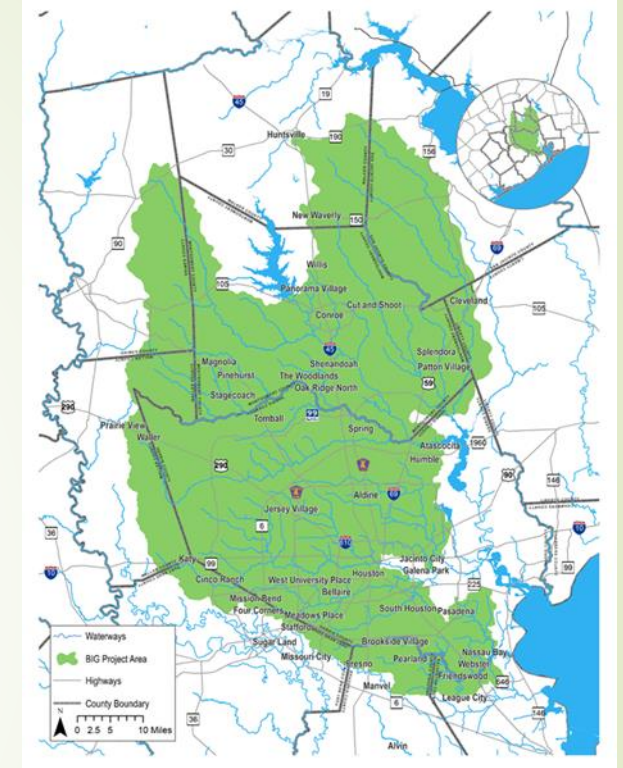
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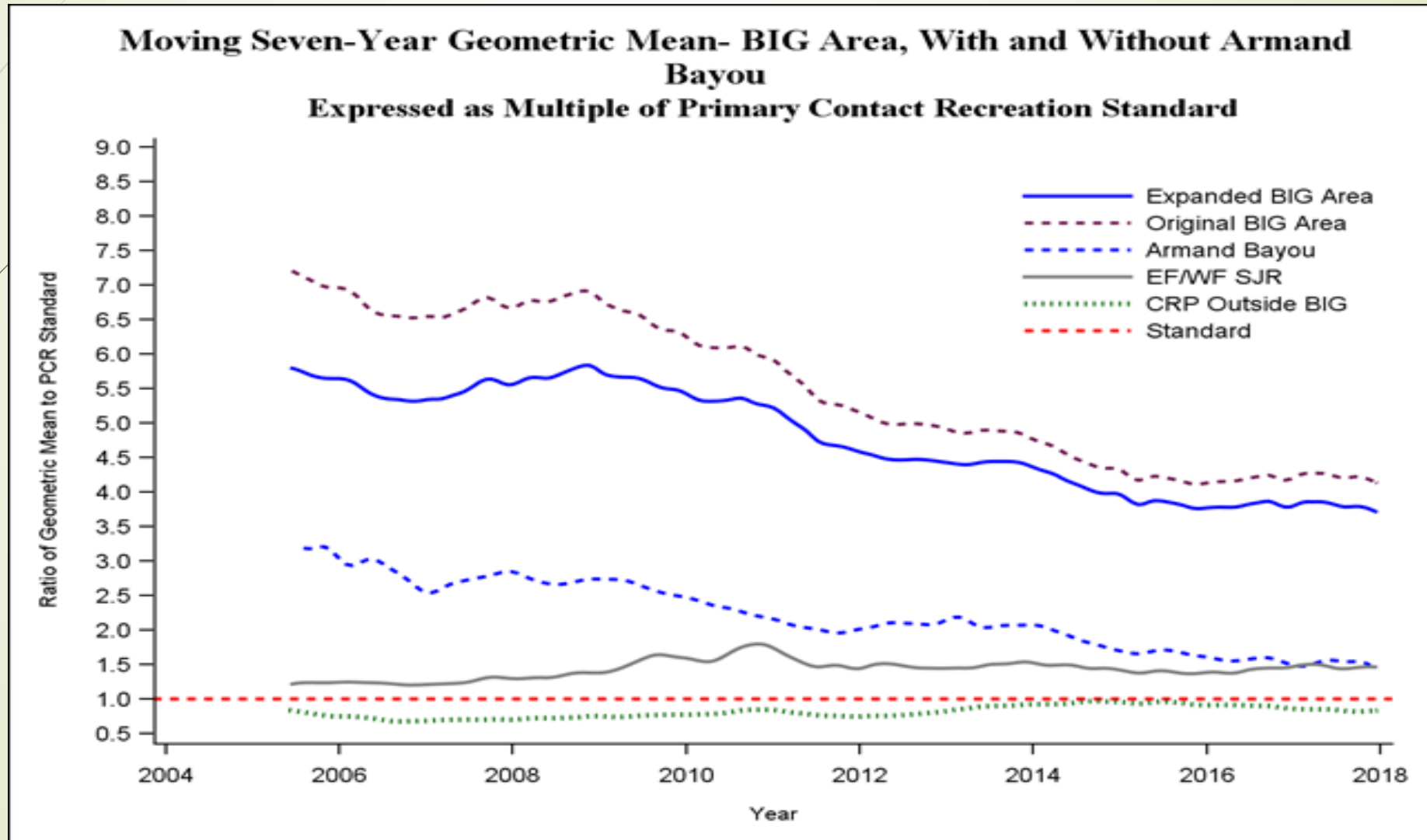


2018 Annual Report Process

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

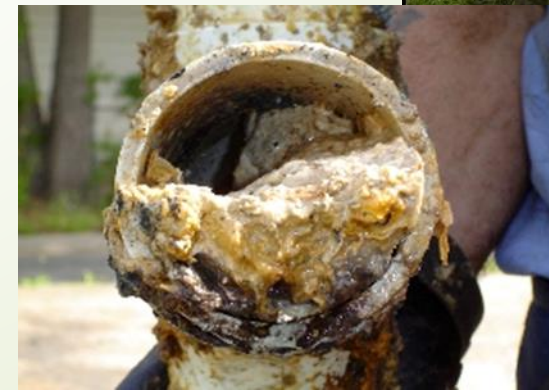


DATA HIGHLIGHTS



Report DATA

- ▶ 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



DATA REPORTING AND OBSERVATIONS

Table 1: 2017 Backlog
(Data Source: DMR)

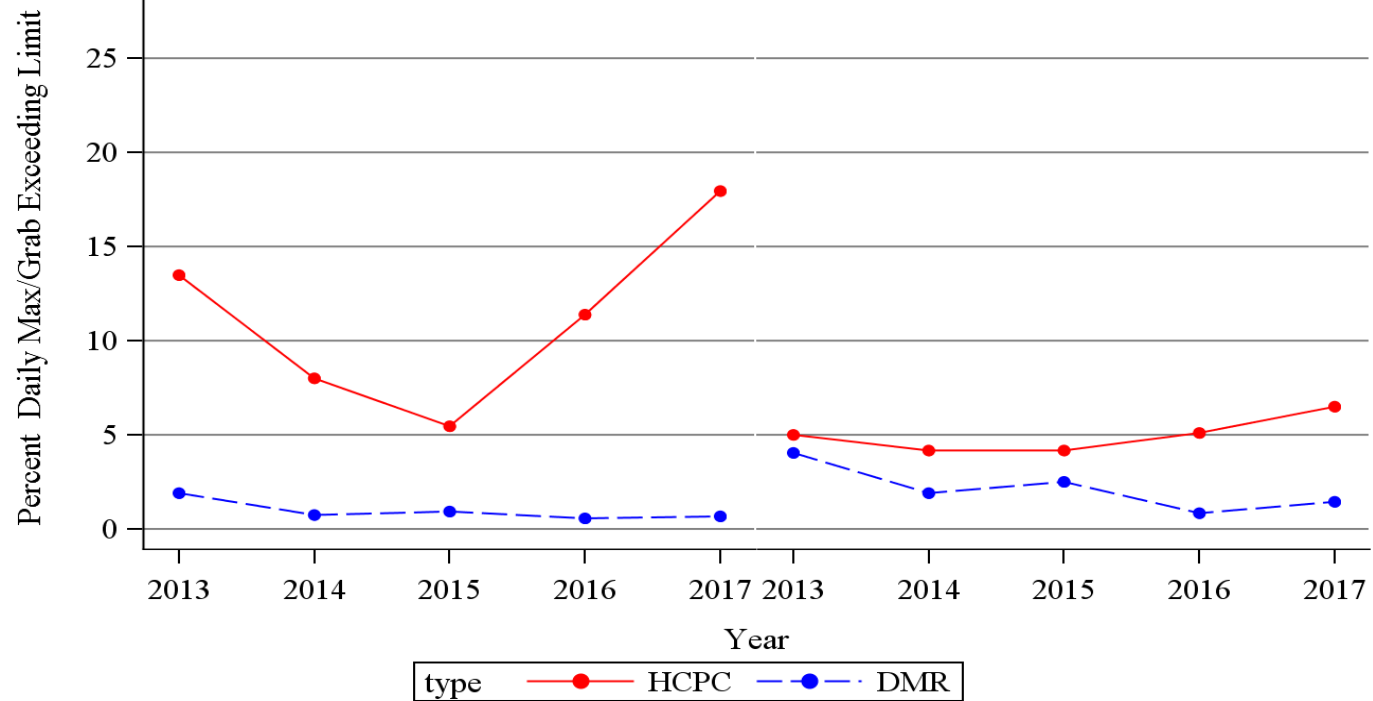
Variable
Total Results Reported
Total Exceeding Limit
Percent Exceedance

Analysis of Discharge Monitoring Report Data Obtained March 2018
Analysis of Harris County PCS Domestic WWTF Inspection Data- BIG Area of Harris County

Percent Daily Max/Grab Exceedance, DMR and HCPC Data Comparison

0.1-0.5 MGD

0.5-1 MGD



Control Services

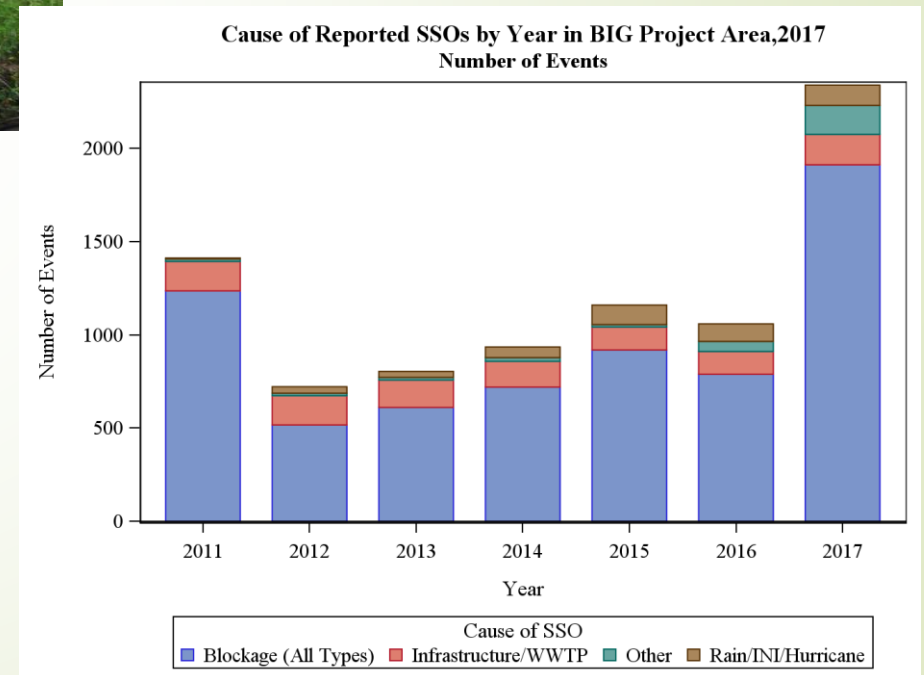
HCPC Inspection Daily Max PCT Exceedance	Percent Compliance, HCPC Samples
0.0	100
15.1	84.9
17.9	82.1
6.5	93.5
6.0	94.0
0.0	100
0.0	100

Flow Rate	Total Results Reported	Total Exceeding Limit	Percent Exceedance
0.1-0.5 MGD	116	5.7	78.1
5-10 MGD	149	6.0	94.0
> 10 MGD	96	17.7	82.3

DATA REPORTING AND OBSERVATIONS

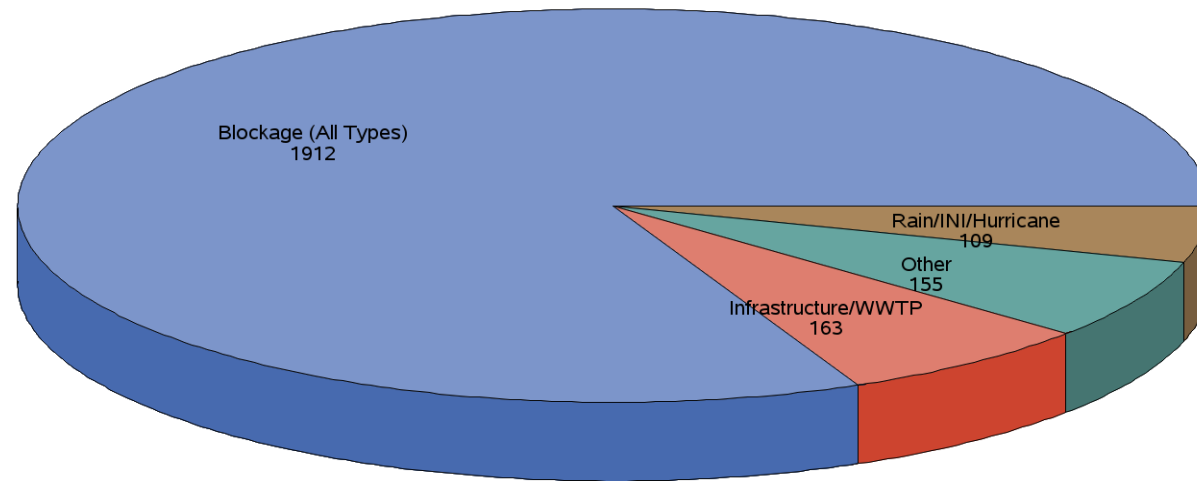


Year	Number of SSOs Reported	Estimated Volume (Thousand Gallons)
2011	1412	823
2012	722	1186
2013	806	1694
2014	937	2276
2015	1161	4296
2016	1060	2616
2017	2339	13719



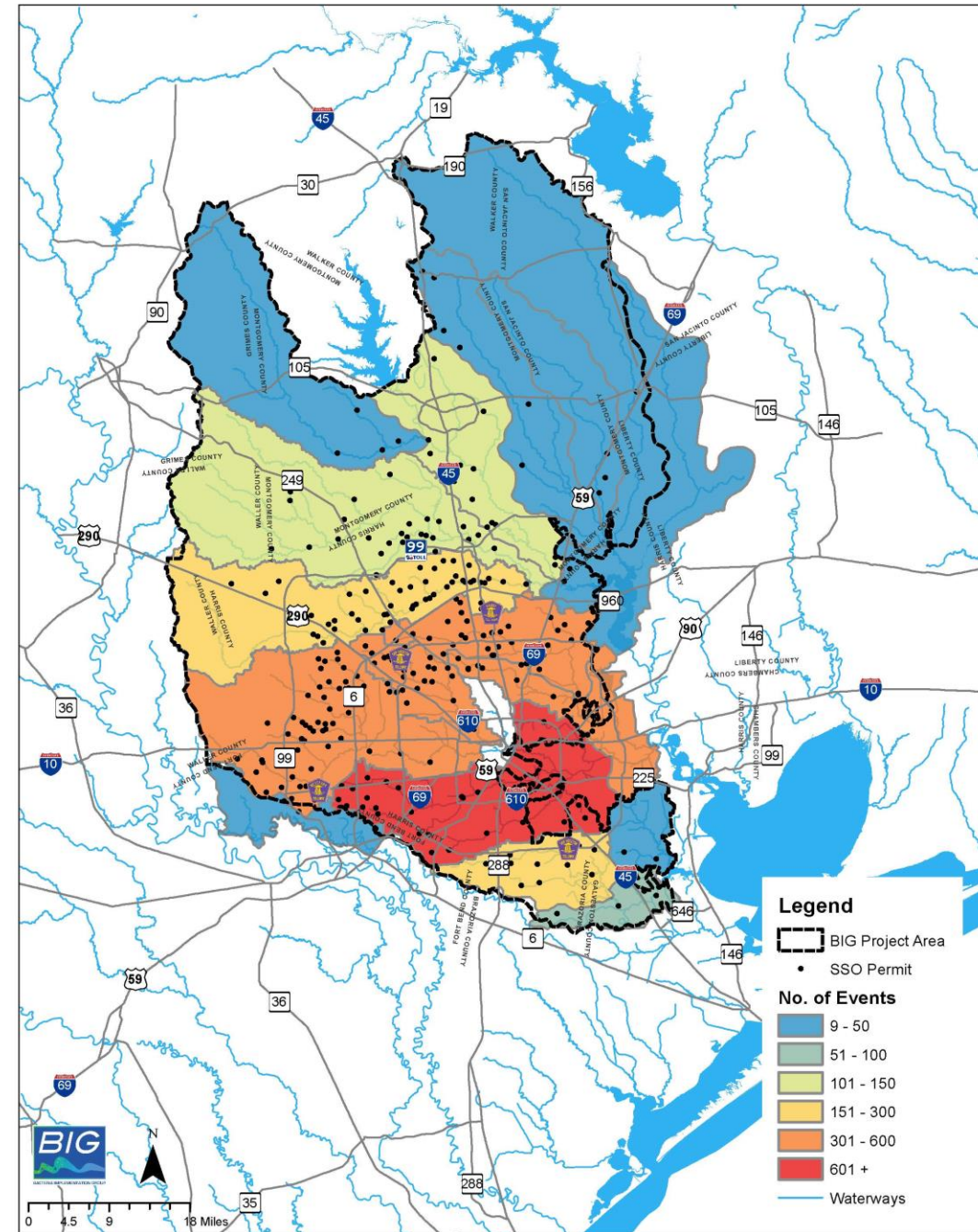
DATA REPORTING AND OBSERVATIONS

Cause of Reported SSOs by Year in BIG Project Area, 2017
Number of Events



DATA REPORTING AND OBSERVATIONS

Sanitary Sewer Overflow (SSO) Density Map (2012-2016)



TRAINING OUTREACH

- ▶ Training/Education

- ▶ Professional

- ▶ CWI Workshops
 - ▶ OSSF Training
 - ▶ LID

- ▶ Residential/Ag.

- ▶ OSSF Training
 - ▶ Rain Barrels
 - ▶ Feral Hog
 - ▶ BMP
 - ▶ TST



OTHER PLAN IMPLEMENTATION

- ▶ Illicit Discharge Detection and Elimination
 - ▶ H-GAC/City of Houston/SJRA
- ▶ Low Impact Development Outreach
 - ▶ H-GAC LID Pearland
- ▶ OSSF Repair/Replace
 - ▶ Harris County/East Aldine Management District
 - ▶ H-GAC SEP



SPOTLIGHT ON SUCCESS

- BIG Expansion
- Top 5/Least 5
- MS4 ?
- City Infrastructure ?
- Boater Waste ?



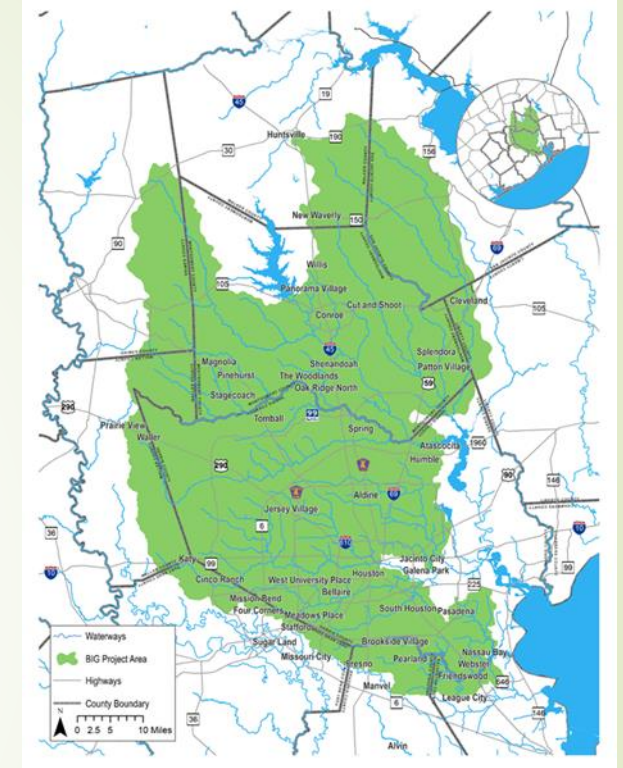
NEXT STEPS

- Coordination and Policy (July)
- WWTF/SSS, OSSF/Illicit, Animals/Agriculture (August)
- Coordination and Policy (Sept.)
- BIG (Oct.)



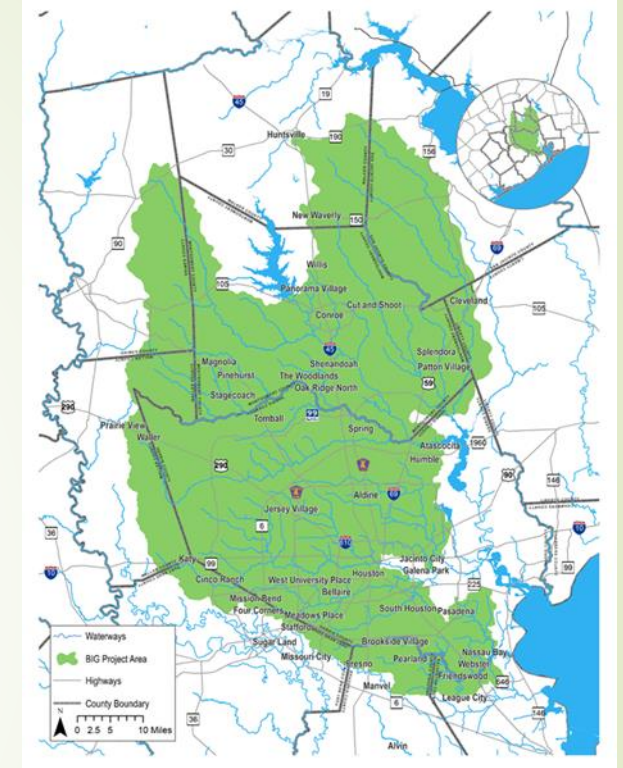
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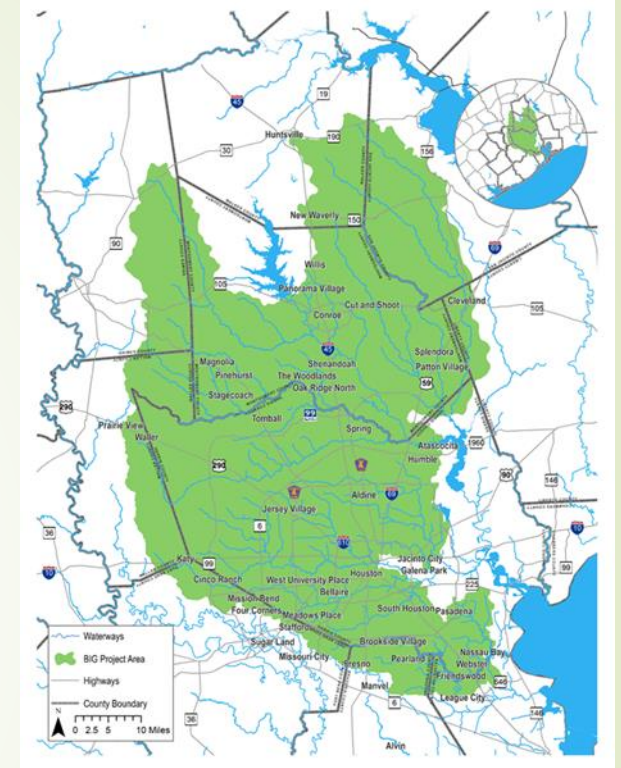
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ADJOURN

- Next Meeting
 - May 22, 2018

Steven Johnston
Steven.johnston@h-gac.com
281-681-2579

