

## MEETING AGENDA

- Call to Order/Welcome and Introductions
- Certification of Quorum
- Approval of the Proposed Members and Alternates
- Approval of the October 25,
   2016 Meeting Summary
- Public Comment Review Progress on 2017 Annual Report
- TCEQ TMDL Program Update
- Draft Letter to the TCEQ
- Presentations
- Other Business
- Adjourn



## ROSTER

BIG Membership: City of League City - Jack Murphy

BIG Alternates: HCFCD - Roberto Vega



## ROSTER DISCUSSION

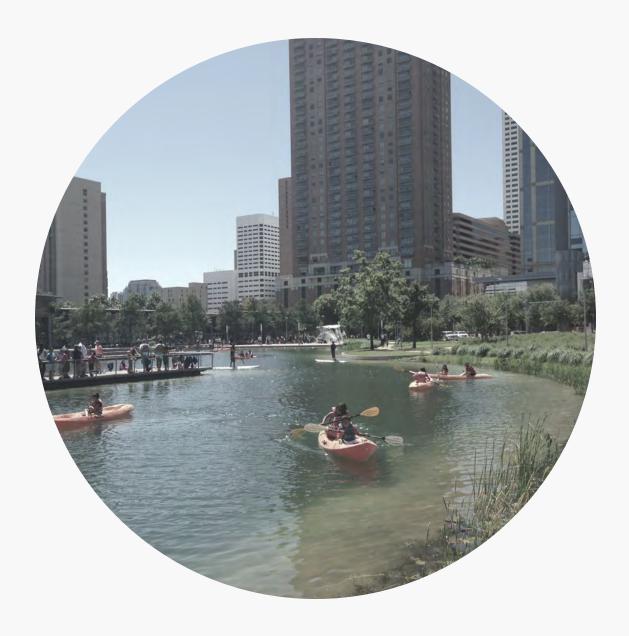
#### Vacancies:

Rural County - Andrew Isbell, Walker County
Agriculture Interest - Hannah Cruce, Texas
Forest Service, Alt. Hughes Simpson
Agriculture (County) - Rep. Ernest Bailes IV,
Alt. - Dale Everitt
Small City - Following up
Boater Interest - On hold.

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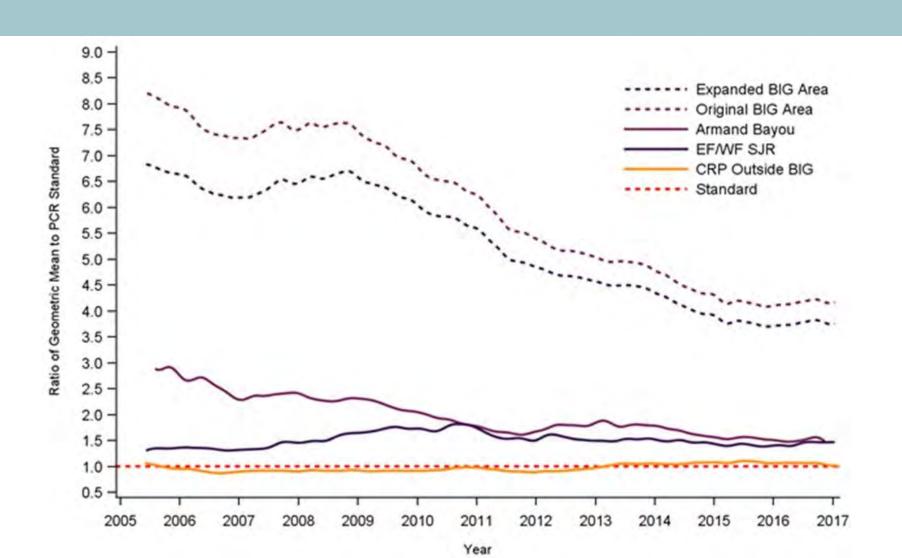
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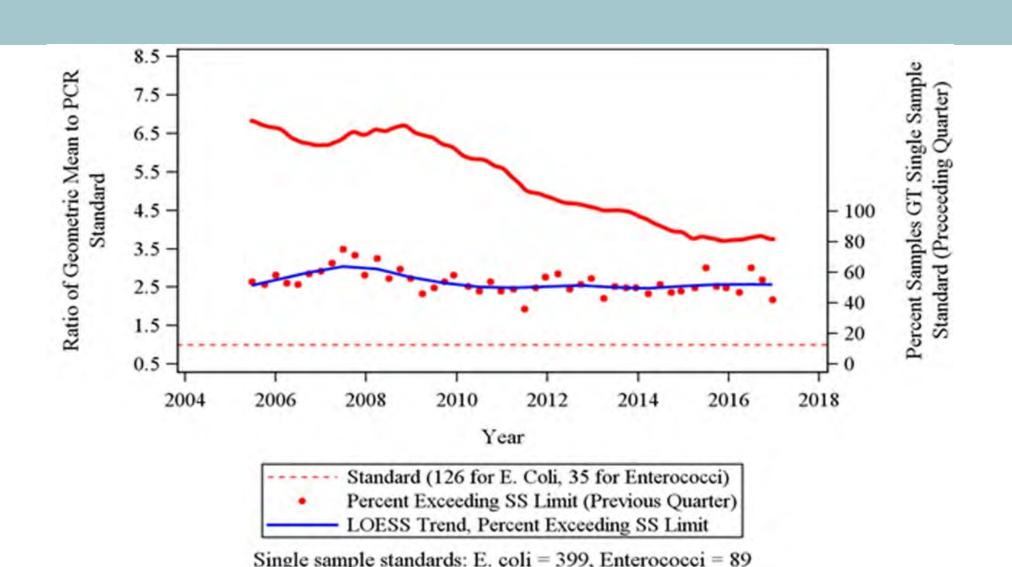
## 2017ANNUAL REPORT

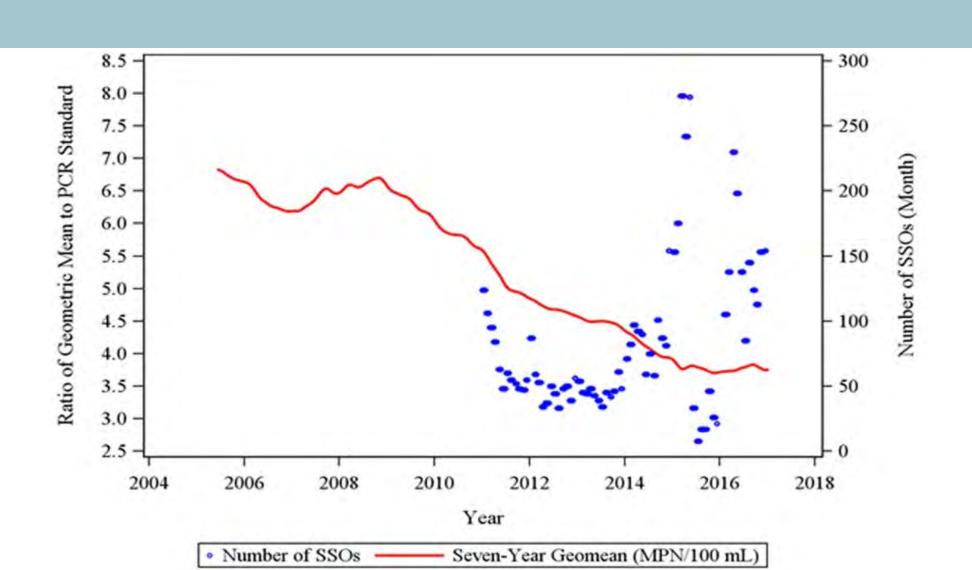


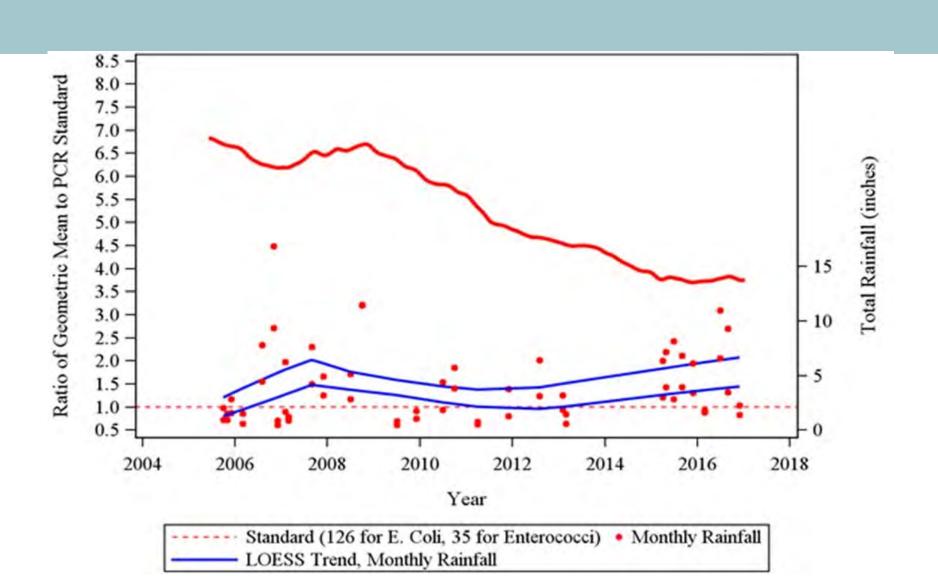
#### 19 Huntsville 190 30 New Waverly 150 Panorama Village Cleveland Cut and Shoot 105 Conroe 1 Splendora Magnolia. Shenandoah Patton Village Pinehurst. The Woodlands [59] Oak Ridge North Stagecoach 99 Prairie View Spring 1960 Atascocita Humble 200 8 Aldine @ Jersey Village 6 Jacinto City Galena Park West University Place Houston Cinco Ranch Bellaire Mission-Bend Four Corners Meadows Place South Houston Pasadena Staffordi -Waterways Sugar Land Brookside Villäge Nassau Bay Missouri City BIG Project Area Pearland Webster Friendswood E46 Highways Manyel. League City 6 County Boundary 36 0 2.5 5 10 Miles

## PROJECT AREA



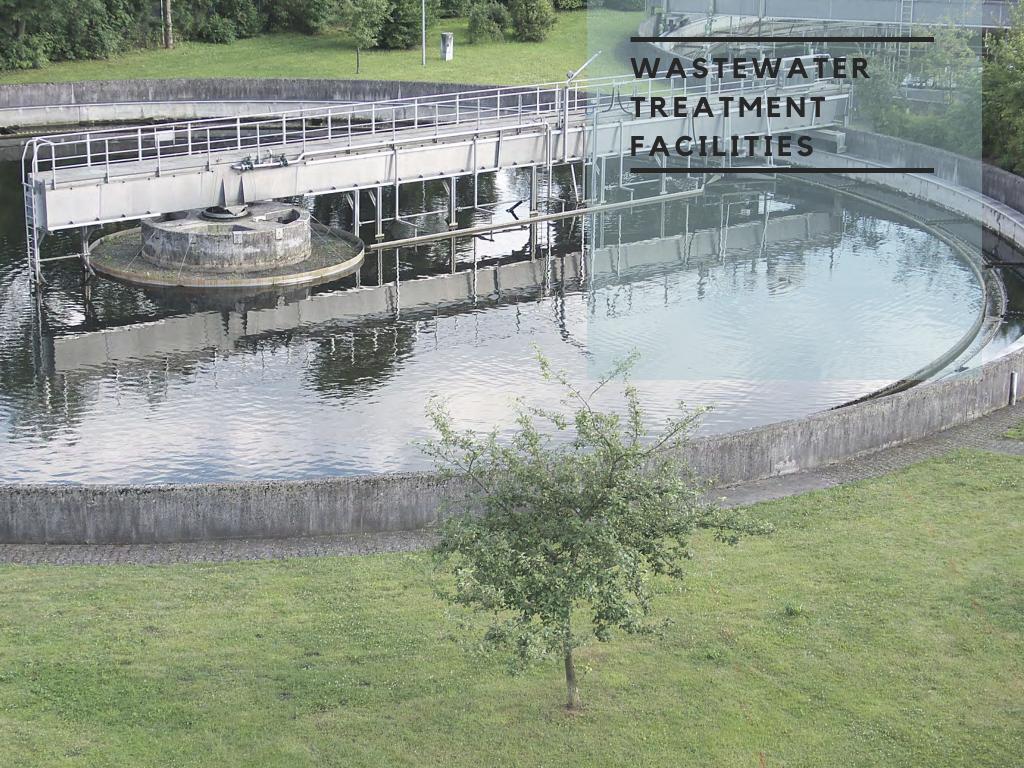






### **Bacteria Trends** parameter Dissolved Oxygen grab No\_Change Deteriorating Improving - Not Assessed No Change screening level E. Coli - Improving 3 41 71 **Getting Worse** Enterococci **Assessment Basins** 57 Nitrate-N 46 23 25 48 53 Total Phosphorus

# **Bacteria Relative Geomeans Relative Geomeans** ~~~ <1 1.5 5-10 ~~~ 10 - 20 ---- >20 **Assessment Basins** 20 Miles



## 2016 Bacteria Permit Limit Compliance Taken From DMRs in EPA's ICIS Database\*

4,652
No. 1000
99.6%
4,923
4,797
97.4%

### Total Number of BIG WWTF By Type from 2016 DMR

Permit Type	Permittees Number of Permittees Submitting Reporting with E.coli DMRs in 2016 Geomean Limit of 63 (EPA Data) MPN/100 mL (EPA DMR)		Number of Permittees Reporting with E. Coli Geomean Limit of 126 MPN/100 mL (EPA DMR)	Number of Permittees Reporting with Enterococci Geomean Limit of 35 MPN/100 mL (EPA DMR)	No Bacteria Reported in 2016 (EPA DMR)	
Industrial	ustrial 52	.9	9	2	32 10	
Domestic	522	442	61	9		
Total	otal 574 451		70	11	42	

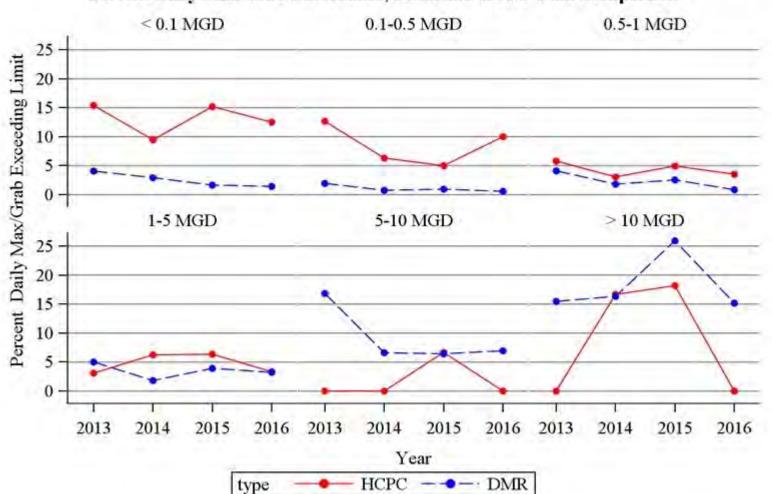
#### WWTFs in the BIG Project Area Inspected by Harris County Pollution Control Services

Relative Plant Size / Permitted (MGD)	Data Source	Number of Highest Single Grab/ Daily Max for WWTF DMR Monitoring Period	Nomber of Highest Single Grab/Daily Max for WWTF DMR Monitoring Period Meeting Limit	Percentage of Highest Single Grab/ Daily Max for WWTFDMR Manitoring Period Meeting Limit	Data Source	Number of Random Samples Collected	Number of Samples Meeting TCEQ Grab/ Single Sample Limit	Percent HCPCS Samples Meeting TCEQ Permit Limit
< 0.1 MGD	DMR	490	483	98.6%	HCPCS	176	154	87.5%
0.1-0.5 MGD	DMR	873	868	99.4%	HCPCS	100	90	90.0%
0.5-1 MGD	DMR	823	816	99.1%	HCPCS	85	82	96.5%
1-5 MGD	DMR	1179	1141	96.8%	HCPCS	120	116	96.7%
5-10 MGD	DMR	144	134	93.1%	HCPCS	12	12	100.0%
> 10 MGD	DMR	112	95	84.8%	HCPCS	11	11	100,0%
Total	DMR	3621	3537	97.7%	HCPCS	504	465	92.3%

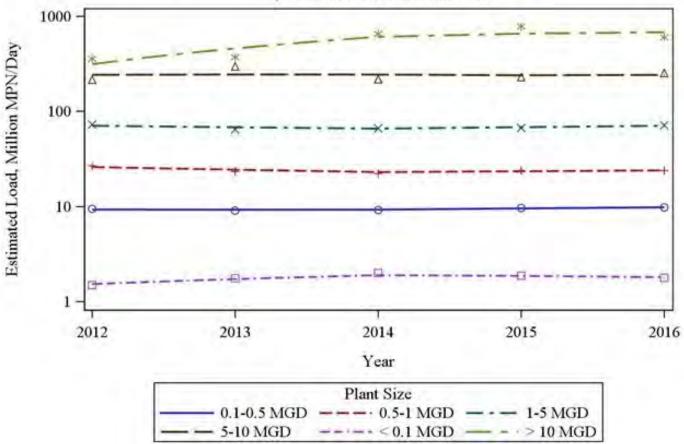
Analysis of Discharge Monitoring Report Data Obtained March 2017

Analysis of Harris County PCS Domestic WWTF Inpection Data- BIG Area of Harris County

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



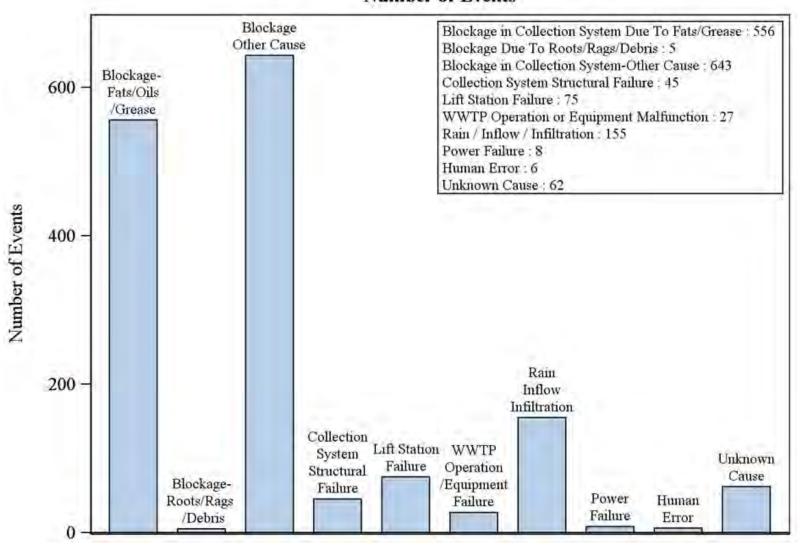
Analysis of Discharge Monitoring Report Data Obtained March 2017 Estimated E. Coli Load from Domestic WWTF - Permittees in BIG Project Area By Year and Relative Plant Size





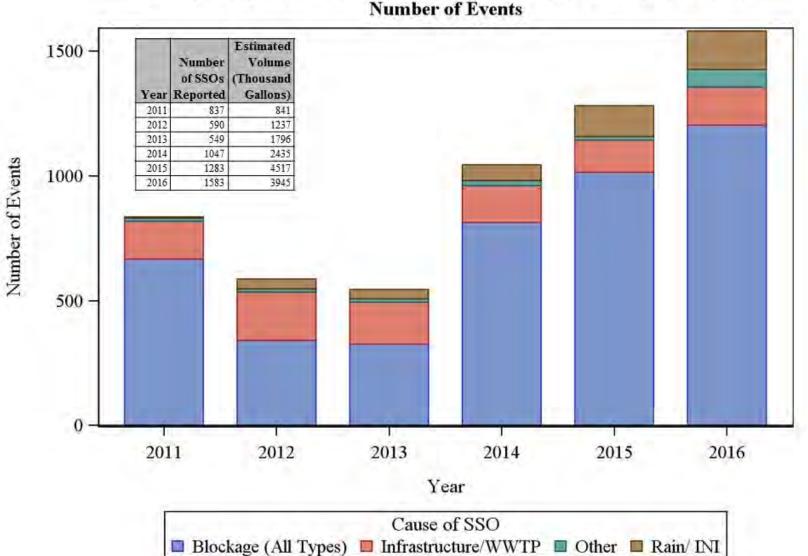
#### 2016 SANITARY SEWER OVERFLOW DATA

#### Cause of Reported SSOs in BIG Project Area-2016 Number of Events

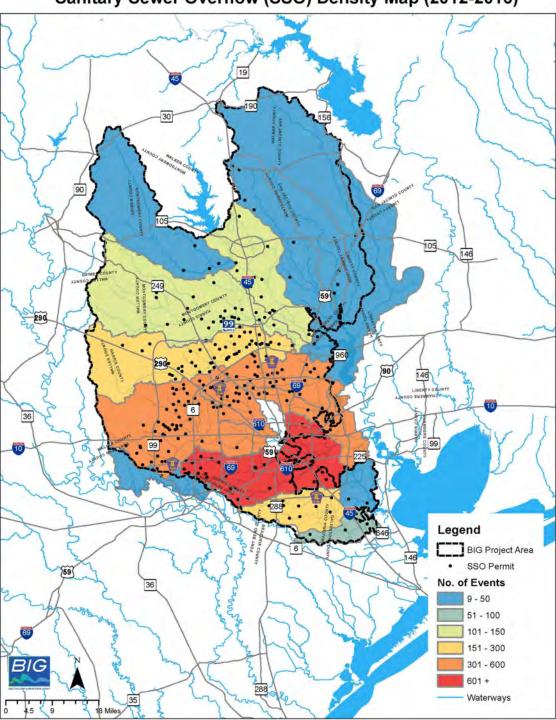


#### 2011 - 2016SANITARY SEWER OVERFLOW DATA

Cause of Reported SSOs by Year in BIG Project Area, 2011-2016 Number of Events

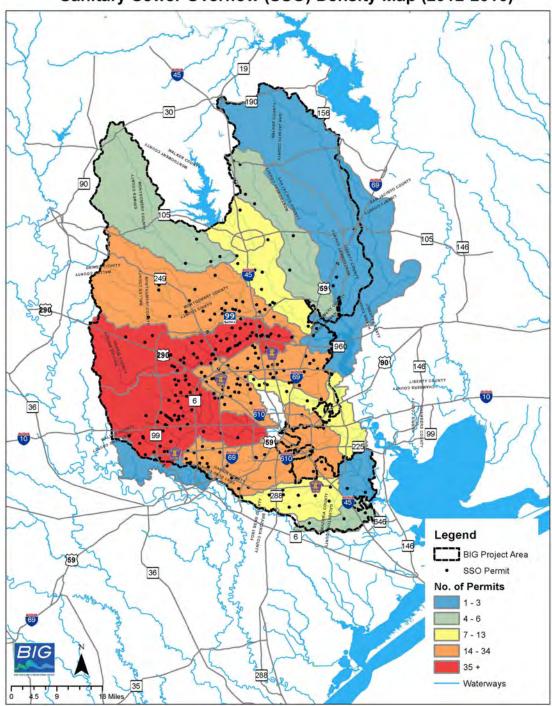


#### Sanitary Sewer Overflow (SSO) Density Map (2012-2016)



## BIG SSO DENSITY MAP

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

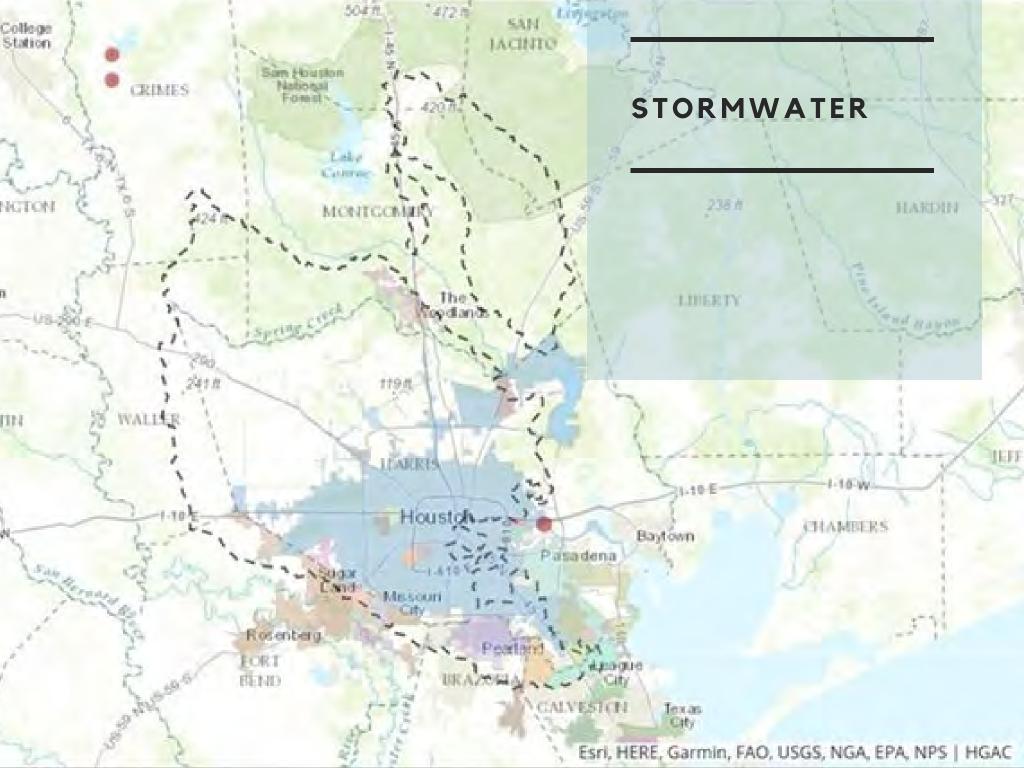


# BIG WASTEWATER OUTFALL DENSITY MAP



## Huntsville Arascocita 1960 Jacinto City Galena Park West University Place - Waterways South Houston Pasadena **BIG Project Area** Highways Sugar Land County Boundary Missouri City Pearland Webster Friendswood 846

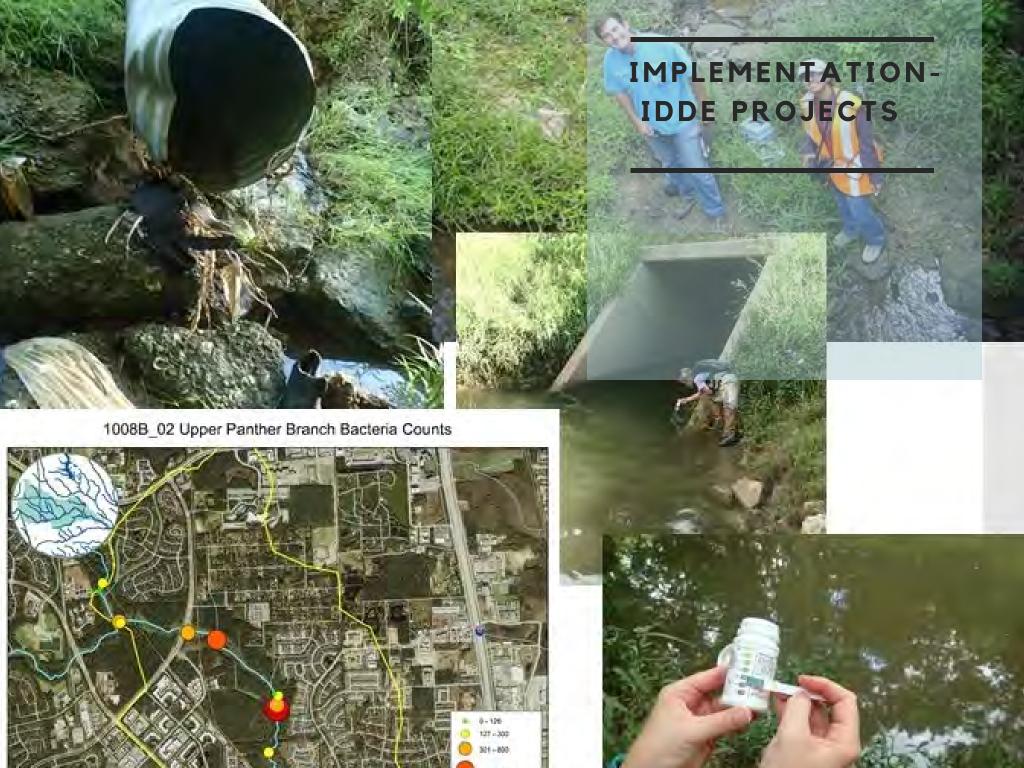
## BIG OSSF MAP APPLICATION













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#### TCEQ UPDATE

Mr. Jason Leifester



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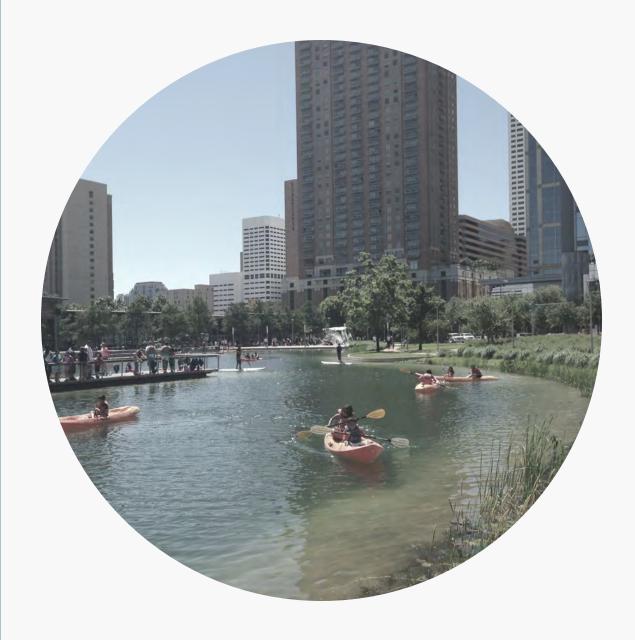
#### TOP 5 / LEAST 5

Ms. Paniz Miesen



## BRAZORIA-GALV ESTON COUNTY COALITION

Ms. Charriss York



### **WEST FORK WPP**

Mr. Justin Bower



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- Next Meeting October 25,
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**THANK YOU!**