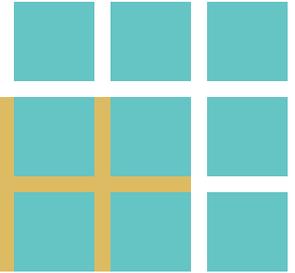


Clean Rivers Program

# BASIN STEERING COMMITTEE MEETING



Water Quality Updates

April 1, 2015

# H-GAC's Clean Rivers Program

## CRP ASSESSMENT AREA

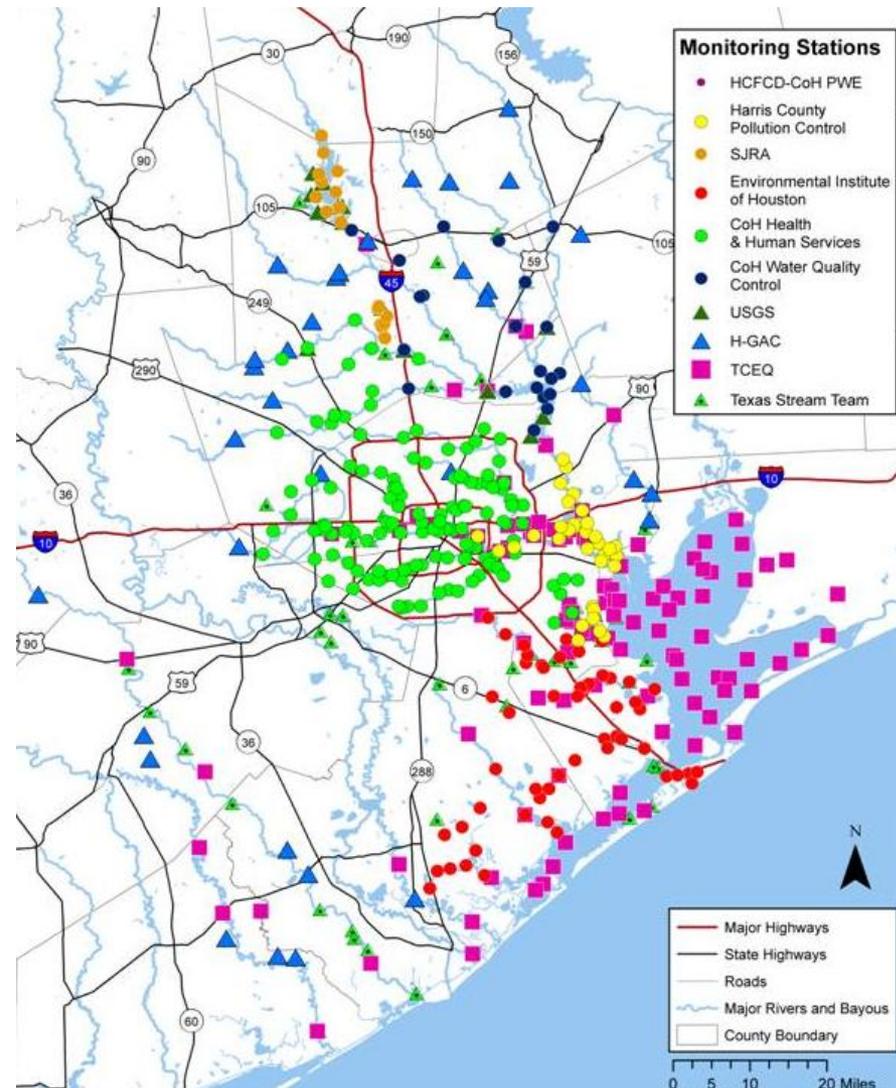
15 counties

16,000 miles of streams  
& shoreline

Population 5+ million



# Regional Coordinated Monitoring



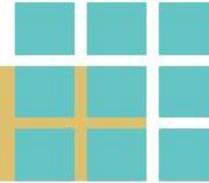
## PROFESSIONAL MONITORING

- Six local partners  
+ TCEQ  
+ USGS
- Over 370 sites
- Monitored at least quarterly
- Data quality-assured

## Stream Team Monitoring

- 97 Volunteers
- 96 Sites

Clean Rivers Program

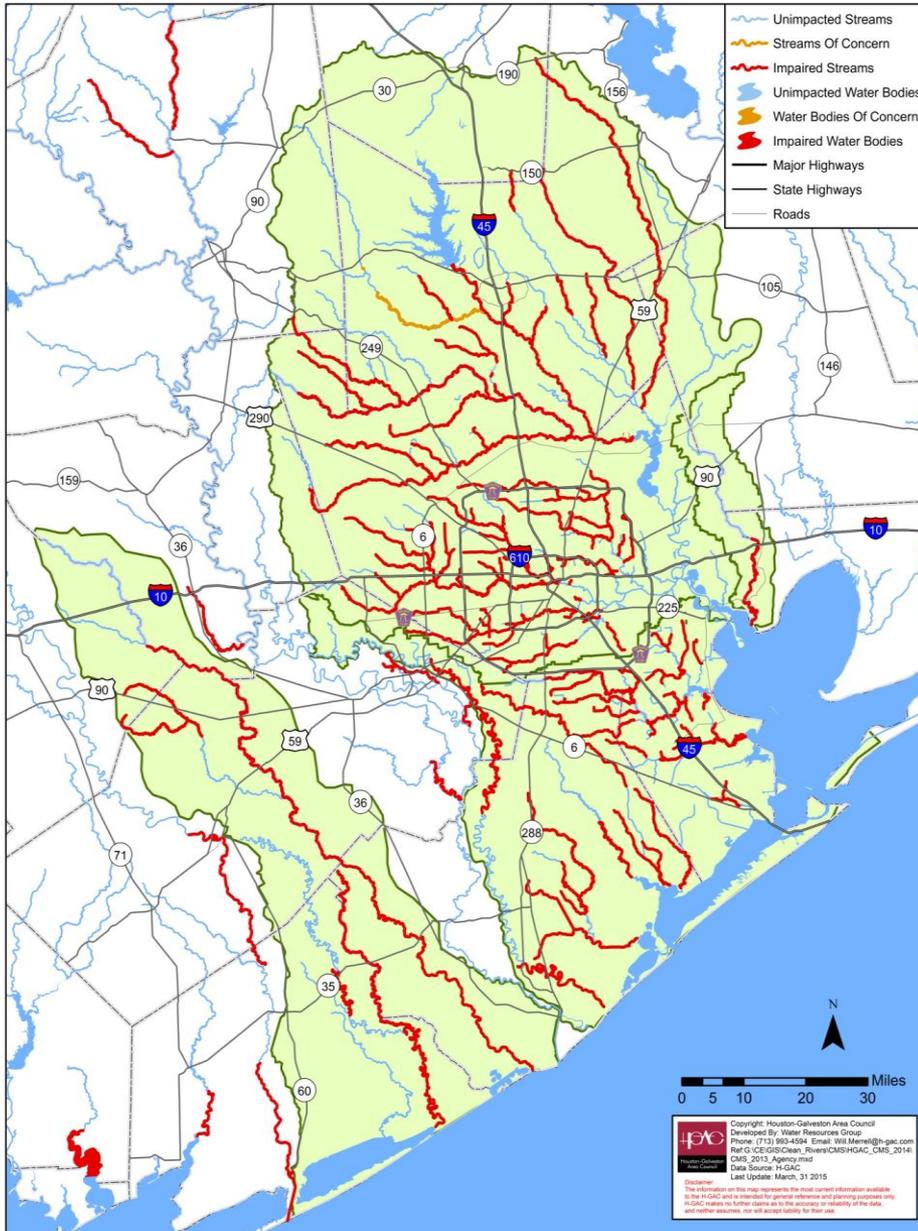


# HOW'S THE WATER?



2015 Houston-Galveston Area Council  
Basin Highlights Report

# Bacteria Impairments and Concerns



## STANDARDS CRITERIA BACTERIA

47%  
\*stream miles  
impaired

## SEVEN-YEAR TREND

24%

5%

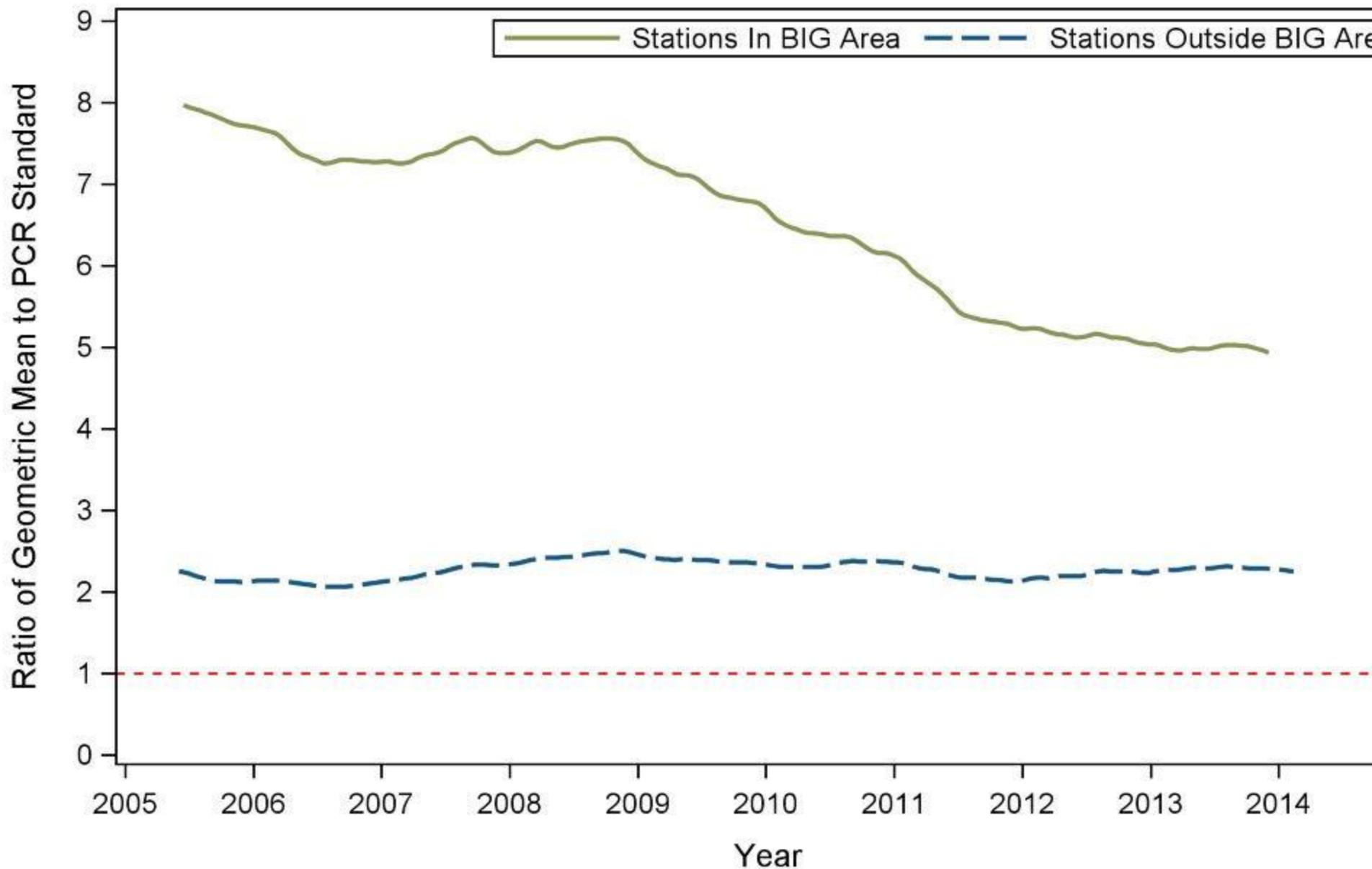
Getting  
Better



Getting  
Worse



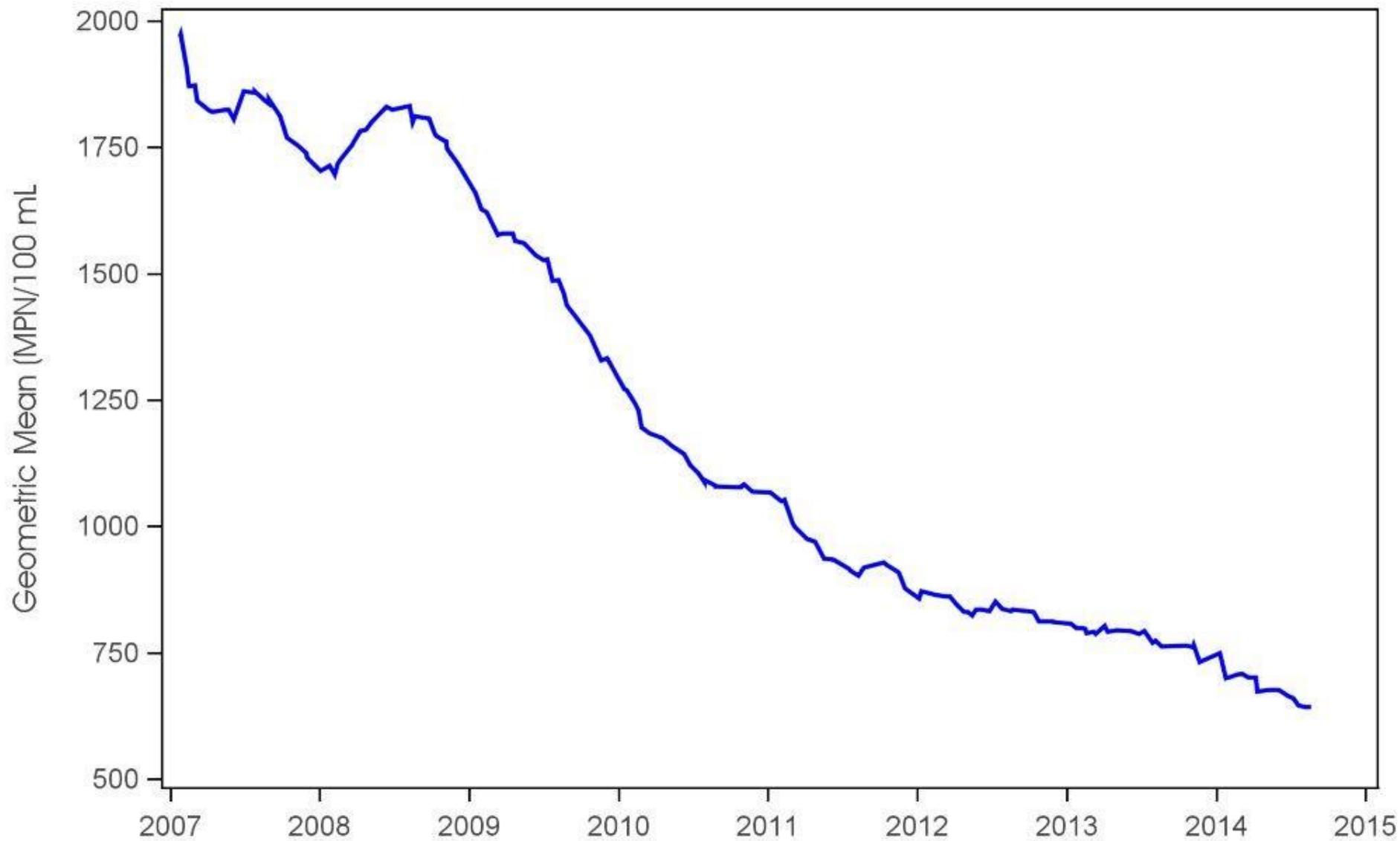
# Moving Seven-Year Geometric Mean- Within and Outside BIG Area Expressed as Multiple of Primary Contact Recreation Standard



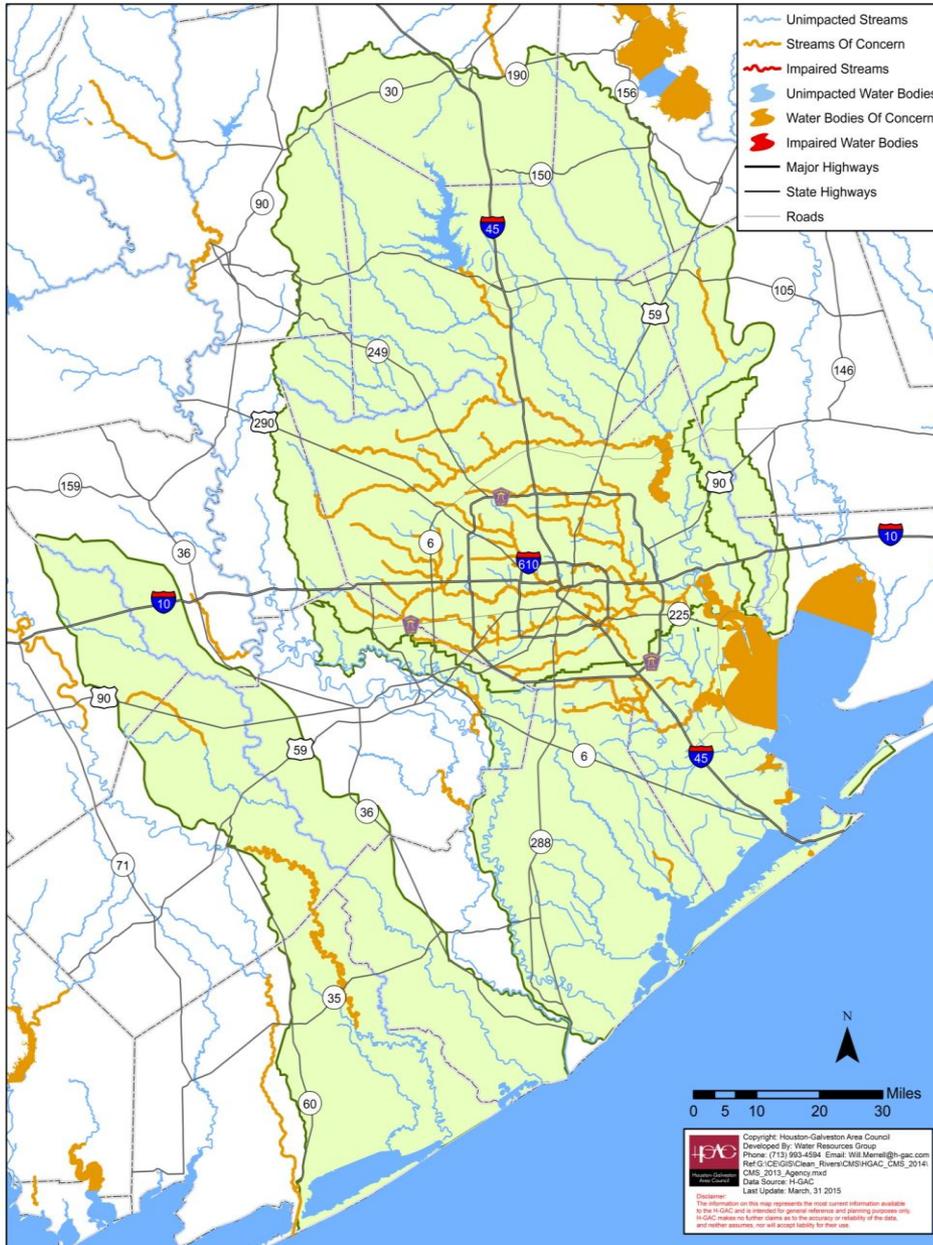
Reference Line represents the Primary Contact Recreation Standard

# Moving Seven-Year E.Coli Geometric Means

## All Ambient Monitoring Data from White Oak Bayou Watershed



# Nutrient Concerns



## SCREENING CRITERIA NUTRIENTS

**28%**  
stream miles  
exceeded  
state levels

### SEVEN-YEAR TREND

28%

40%

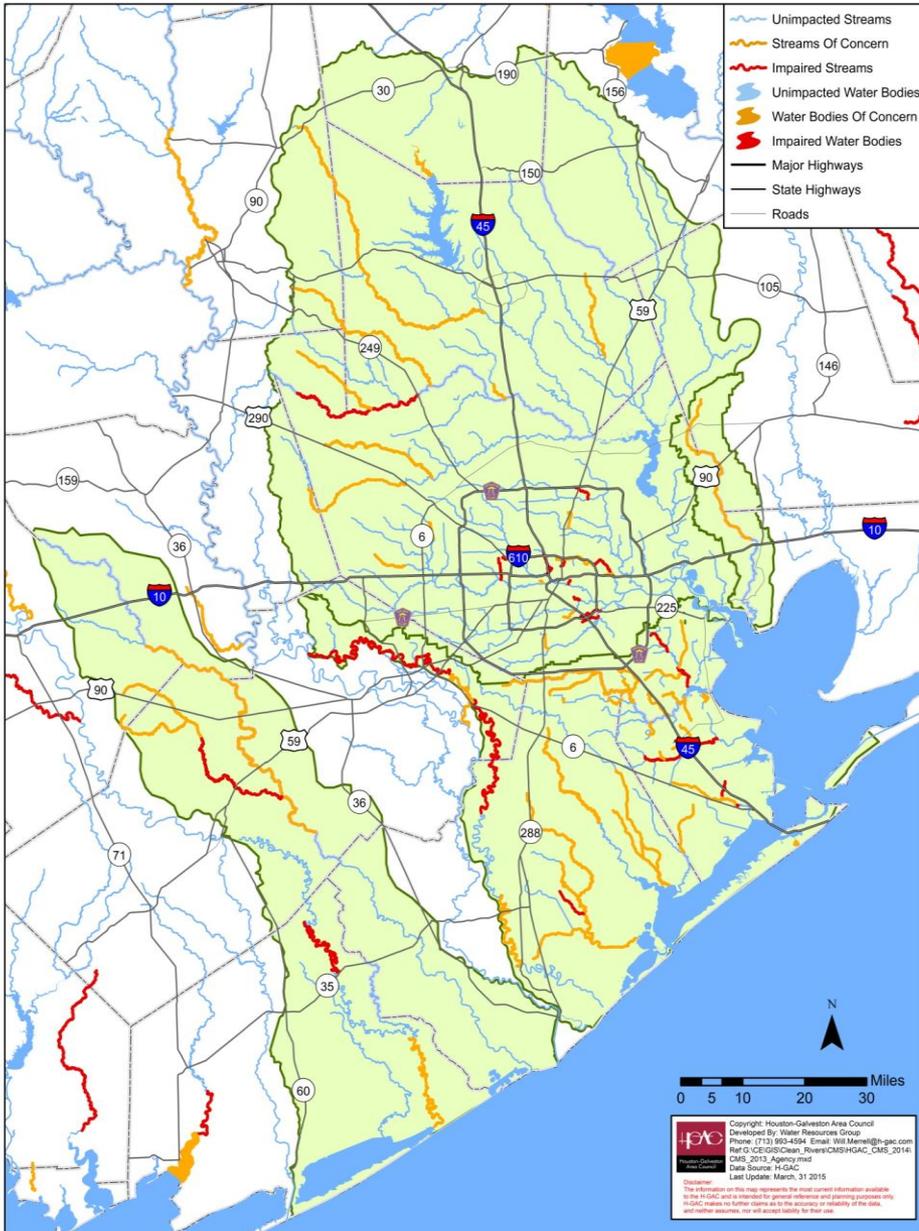
Getting  
Better



Getting  
Worse



# Dissolved Oxygen Impairments and Concerns



STANDARDS CRITERIA

# DISSOLVED OXYGEN

# 27%

stream miles  
impaired

## SEVEN-YEAR TREND

13%

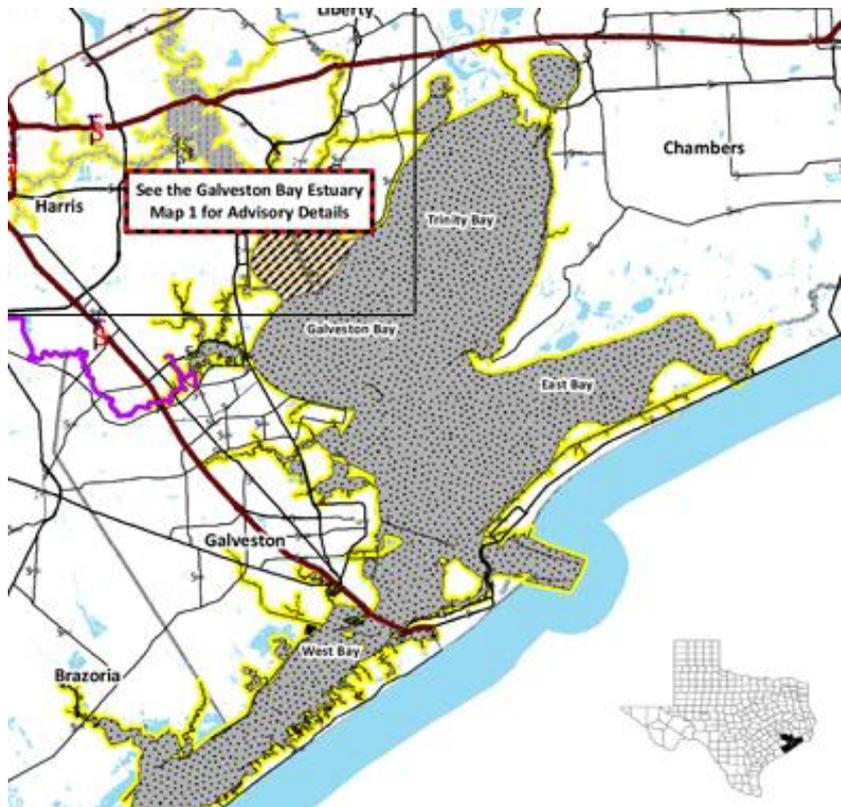


Getting  
Better

12%



Getting  
Worse



Species Affected

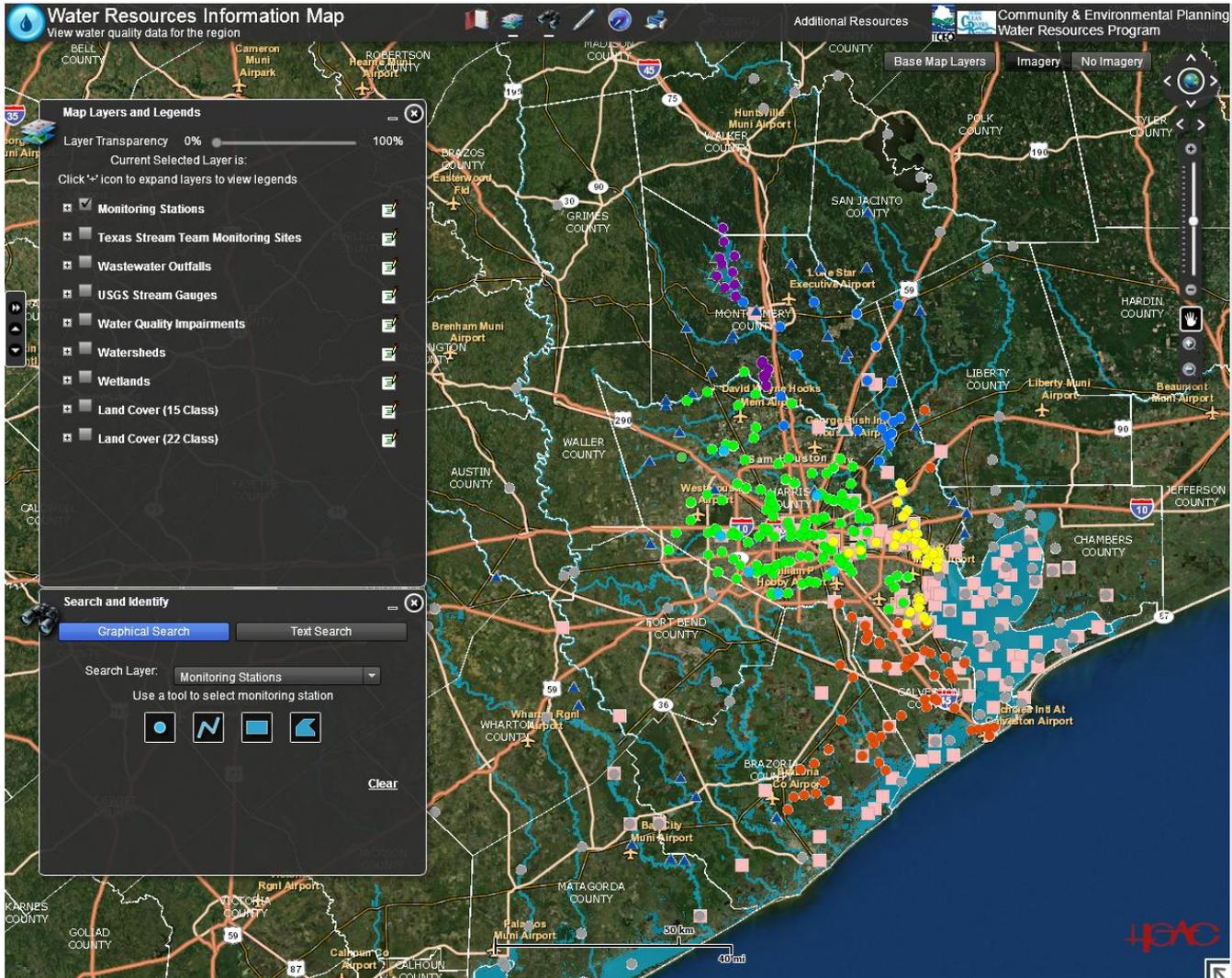
-  All Species of Fish and Blue Crab
-  All Catfish Species, Spotted Seatrout, and Blue Crab
-  All Catfish Species

SCREENING CRITERIA

# PCBs & DIOXIN

76%  
 \*\*tidal waters  
 impaired

# Water Resources Information Map



## WRIM

View monitoring stations  
and stream assessments

View watersheds

View land cover

Search for specific  
watersheds, monitoring  
stations, and water bodies

[www.h-gac.com/go/wrim](http://www.h-gac.com/go/wrim)

# Public Outreach & Education

Boy Scout Fair

Houston Dog Show

Presence at Environmental Events

Presentations at Numerous Meetings

Texas Stream Team

Trash Bash

WRIM & I-Phone App



# Questions?



Todd Running  
Water Resources Program Manager  
713.993.4549 / [todd.running@h-gac.com](mailto:todd.running@h-gac.com)