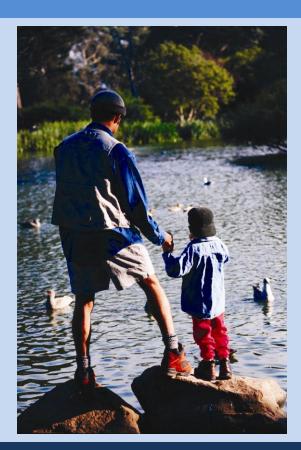
The Road Ahead for Armand Bayou





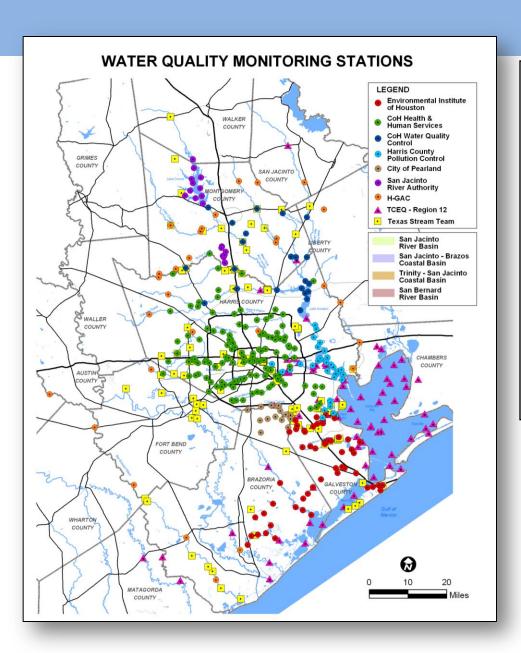


Aubin Phillips, Houston Galveston Area Council



- > Aquatic life
 - > Contact recreation
- Drinking water
- > Fish/Oyster Consumption

Regional Coordinated Monitoring



Professional Monitoring

- •8 local partners + TCEQ
- •Over 370 Sites
- Monitored at Least Quarterly
- •All Data Collected Under An Approved QAPP

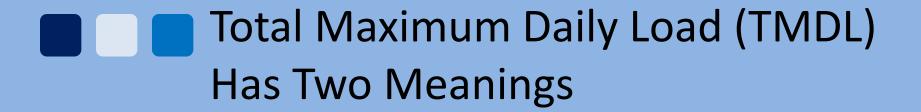
Stream Team Monitoring

- •80 Volunteers
- •68 Sites

Requirements of the Clean Water Act (1972)



- Identify impaired water bodies
- Develop Plans (Total Maximum Daily Loads) to determine extent of problem
- Complete TMDLs and Implementation Plans to bring the water up to standards



A TMDL is a tool which:

Determines the maximum amount of a Particular pollutant (load) that a water body can absorb and still maintain its standards

A TMDL is also a document submitted to the EPA that:

Identifies the pollutant of concern and its sources, specifies the allowable amount and serves as a framework for corrective action



- Restore Water Quality
- Determine Sources of Pollution
- Determine Corrective Strategies
- Comply With Federal Law

TMDL: The Parts List



- The Problem
- The Endpoint: The Measurable Goal
- The Sources of Pollution
- Links Between Pollution
 Sources and Water

TMDL Parts List (Continued)



- Contribution of Each Pollution Source
- Margin of Safety
- Public Participation
- Corrective Action

The Process



- 1. Determine allowable loading via technical analysis with stakeholder input
- 2. Allocate load among sources
- 3. Implementation Plan (description &schedule of management measures)

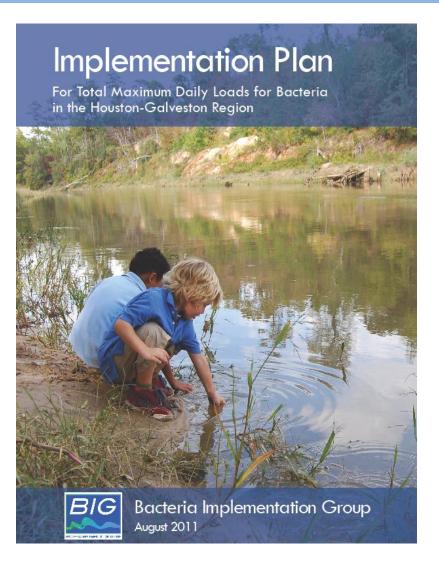
Stakeholders



- Interested citizens
- Local government
- Environmental groups
- Individuals with relevant expertise
- Regulated community
- Natural Resource agencies
- Other state and federal agencies



Elements of an Implementation Plan (I-Plan)

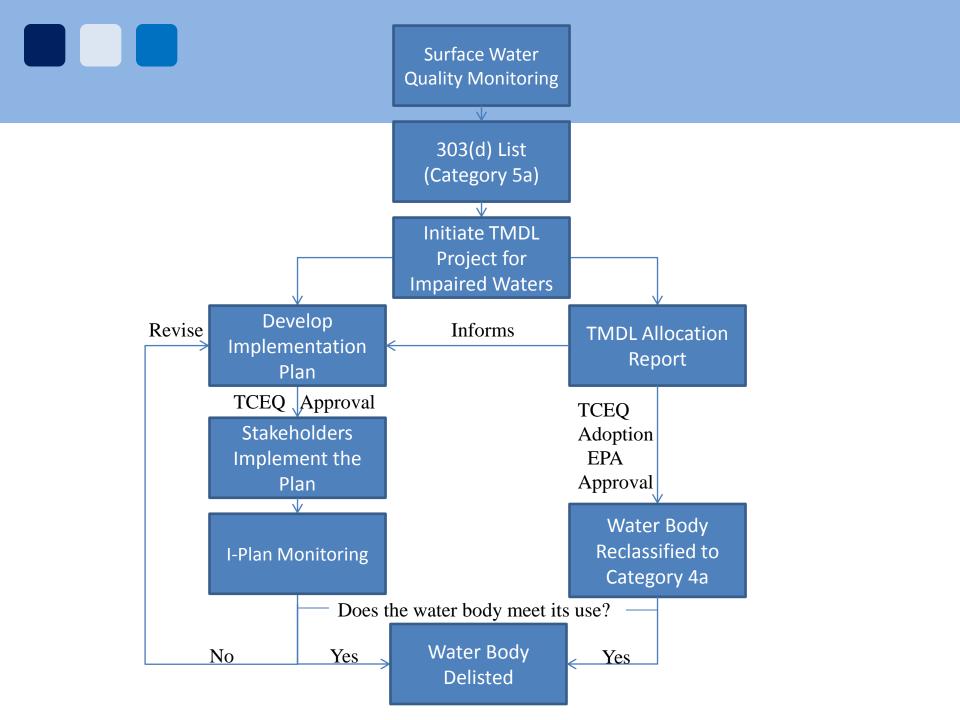


- Management
 Measures
- Control Actions
- Implementation
 Schedule
- Follow-upMonitoring Plan

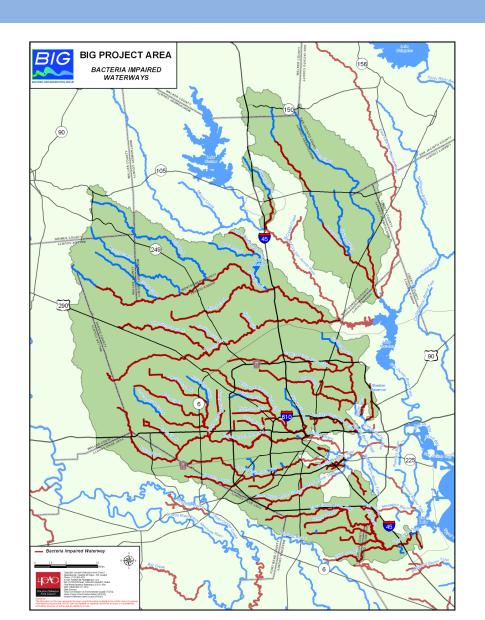
I-Plan (Continued)



- Voluntary
 Implementation on Non-Point Source Pollution
- Measurable Outcomes



Areas Where I-Plans are Completed



TMDL Conclusions



- Mechanism to address regulated sources
- Mechanism to address complex water quality issues of NPS pollution
- Promote intergovernmental cooperation
- Require community support and input













Thank You!

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