

Improving Armand Bayou Water Quality

Developing an implementation plan for :

Tidal:

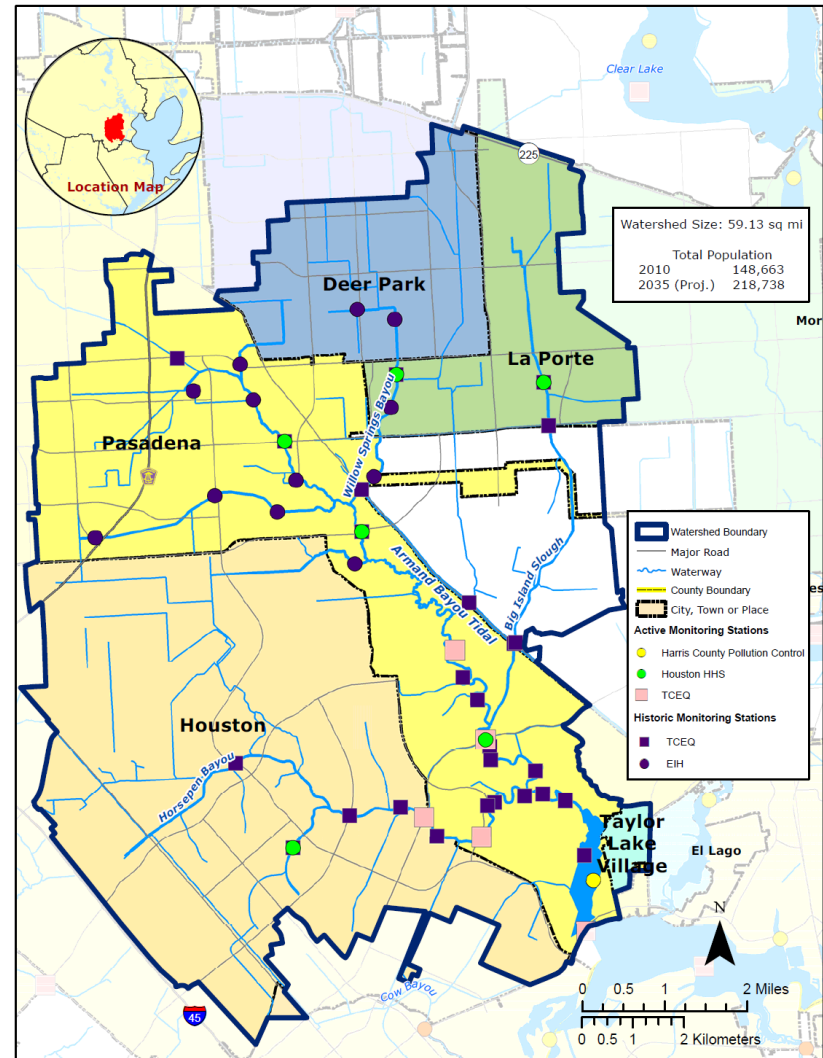
- Armand Bayou (1113)
- Horsepen Bayou Tidal (1113B)

Fresh:

- Armand Bayou (1113A)
- Unnamed Tributary to Horsepen Bayou (1113C)
- Willow Springs Bayou (1113D)
- Big Island Slough (1113E)

Public Meeting
February 21, 2013

ARMAND BAYOU WATERSHED - MONITORING STATIONS



Agenda

Welcome and Introduction

3 minutes

Overview of Implementation Plan Process

10 minutes

Question and Answer

10 minutes

Forming a Coordination Committee

50 minutes

Next Steps

5 minutes

Why are we here today?

Better understand:

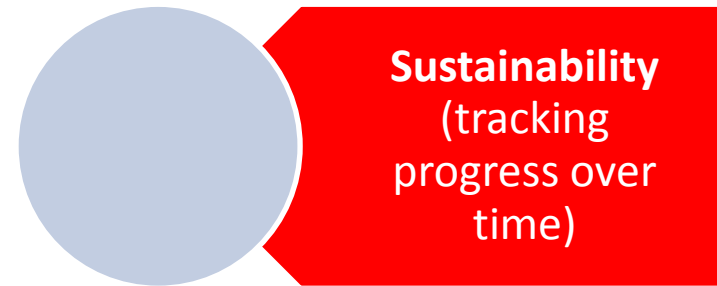
- I-Plan process
- How to develop a plan to improve water quality
- How you can participate

Form and launch an inclusive coordination committee

Sources of Contamination

- Domestic pets (dogs, cats)
- Leaking wastewater infrastructure
- Wildlife (deer, bird, raccoon, etc.)
- Individual homeowner septic tanks
- Urban lawns and landscaping
- Streets and parking lots

Basic Contents of the Final Report



Key Element (1), Management Measure: *Coordinate and expand existing water quality monitoring in the watershed*

(2) Potential Load Reduction	(3) Technical and Financial Assistance Needed	(4) Education Component	(5) Schedule of Implementation	(6) Interim, Measurable Milestones	(7) Indicators of Progress	(8) Monitoring Component	(9) Responsible Entity
Monitoring will aid in setting a baseline for quantifying future load reductions from BMPs.	Technical: for development and management of the grant to conduct expanded watershed monitoring.	Make presentations on preliminary data and findings. Provide water quality data to BRA for inclusion in the basin highlights report.	Year 1: – Establish contracts, procure supplies, develop QAPP, and initiate monitoring. – Continue CRP.	– Funding is being sought. – Contracts established. – QAPP developed. – Monitoring initiated.	Data collected as planned, and submitted to TCEQ.	N/A	– TCEQ NPS Program: Funding. – TWRI: project management, reporting, data collection.
	Technical: to complete monitoring outlined in proposed special project. Texas A&M students will provide this assistance.	Prepare final report detailing project findings and highlighting recommendations for targeting future BMP implementation.	Year 2: – Continue water quality monitoring and water body reconnaissance surveys. – Continue CRP.	– Continued monitoring as scheduled. – Completion of watershed reconnaissance survey.			– Texas AgriLife Research: data analysis and collection. – BRA/TCEQ RO & CRP: continue existing CRP monitoring.
	Financial: to support expanded monitoring, assessment, and analysis of watershed <i>E. coli</i> distribution, sources, and concentration.	Train volunteers to enhance volunteer monitoring in the watershed.	Year 3: – Complete monitoring, data assessments, and report development. – Deliver information on findings to stakeholders. – Continue CRP.	– Completion of monitoring. – Completion of data assessment. – Reports developed. – Data submitted to TCEQ for future water body assessment.			– Cities of Bryan and College Station: data collection, analysis.
	Financial: Non-federal matching funds will be obtained in forms such as personnel and volunteer time.	Develop informational news releases highlighting local water quality.	Year 4 & 5: – Complete reporting requirements and use findings to direct future BMP implementation. – Continue CRP.	Determinations made on BMP implementation.			– All: plan targeted BMP implementation.

Who's involved?

Public: YOU develop the plan

Texas Commission on Environmental Quality (TCEQ)

- Funds this process
- Approves implementation plan

H-GAC

- Facilitation and coordination
- A participant in developing the plan
- Key to implementing

University of Houston

- Develops TMDL



Coordination Committee

Represents interests of people or organizations

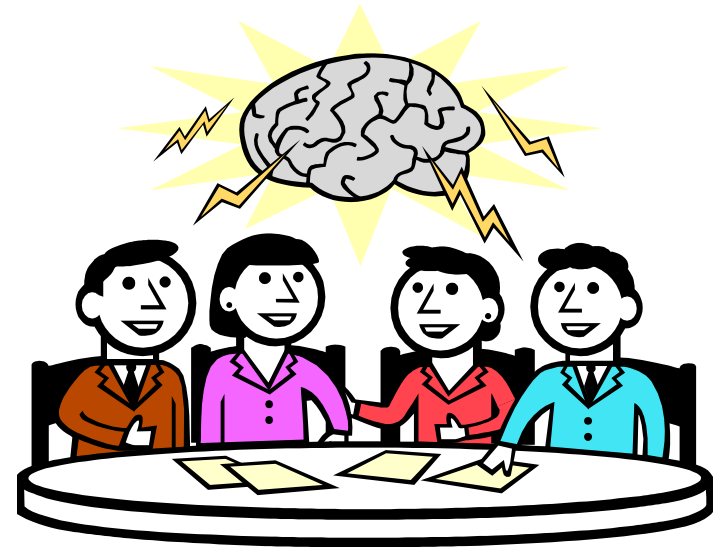
Decides its own process

Appoints work groups

Communicates with public

Drafts an implementation plan for TCEQ approval

Meets January – August 2013 (may be extended)



Work Groups

Perform roles assigned
by coordination committee

- Technical work
- Recommendations
- Focused on specific issues or processes
-other work assigned or undertaken



Include broad public involvement

Possible Timeline & Milestones

Jan-Mar

- Coordination Committee meets to plan process, appoint workgroups
- Workgroups begin developing activity recommendations

Mar-May

- Work groups continue to develop recommendations
- Coordination committee meets to continue guiding process, consider work group recommendations

May-Aug

- Report drafting, editing, building support among needed groups for letters of support
- Coordination committee completes report and forward to TCEQ (flexible deadline of August 31, 2013)

Interest	Representative	Workgroup/Alternate/Other
City of Houston	Dennis Paul, District E	
City of Pasadena	Daya Dayananda, Asst. Dir of Public Works	
City of La Porte	Tim Tietjens, Director of Planning	
City of Deer Park	Wesley Brandon, Storm Water Specialist	
Taylor Lake Village	Einhr Goerland, City Council	
Harris County	Catherine Elliot, HCFCD	
Environmental	Grace Martinez, Sierra Club	
	Steve Hupp, Bayou Preservation Assoc	
Education	George Guillen, UH/EIH	
Business/Industry	CA Shields, BAHEP/marketing	
	Gary Johnson, Retired Chevron Phillips	
Recreation/Parks	Roni Skirvin, CLC Green Plan - Hike/Bike	
	Mark Kramer, ABNC	
State Agency	Brian Koch, TSSWCB	
Transportation	Tom Beck, TXDOT	

Coordination Committee Will Decide How to Proceed for the Process

Formal

- ▶ Establish bylaws that govern the actions of the committee
- ▶ Adhere to Open Meeting Act Requirements

Informal

- ▶ Develop a set of ground rules that will be used to govern the committee
- ▶ Committee members approve ground rules and their use

Bylaws Example

Bylaws Outline

- Organization
- Voting membership
- Selection of additional groups/members
- Designated alternates
- Meeting
- Decision making
- Compensation
- Adopting and amending bylaws

**Lake Granbury
Watershed Protection
Plan**
STAKEHOLDERS GROUP

BYLAWS

Adopted
March 24, 2006
Amended
February 13, 2007

Ground Rules Examples

Gilleland Creek

- Goals
- Timeframe
- Participants
- Steering Committee
- Work groups
- Science and Monitoring advisory group
- Approved meeting minutes and action items

Plum Creek and Geronimo Creek

- Goals
- Powers
- Timeframe
- Membership selection
- Steering committee
- Work group
- Technical advisory
- Replacement/additions
- Alternates
- Decision making
- Quorum
- Facilitators

Ground Rules Example

Upper Gulf Coast Oyster Waters

- Speak up
- Disagree respectfully
- Silence is presumed consent
- Listen during discussions
- Respect opinions and don't criticize people
- Be open to new ideas
- Silence cell phones
- Have fun



What is Best for Lake O' the Pines?

Bylaws

- Formal meetings
- Open meetings act
- Official meeting notices required
- Can not discuss items outside of public meeting

Ground Rules

- Orderly, but non-formal meetings
- Adhere to agreed upon ground rules
- Still seek approval of meeting minutes from members and post meeting notices on web and through media

Next Meeting

- Possible Dates:
 - Wednesday, March 6
 - Tuesday, March 12
- Location
- Time