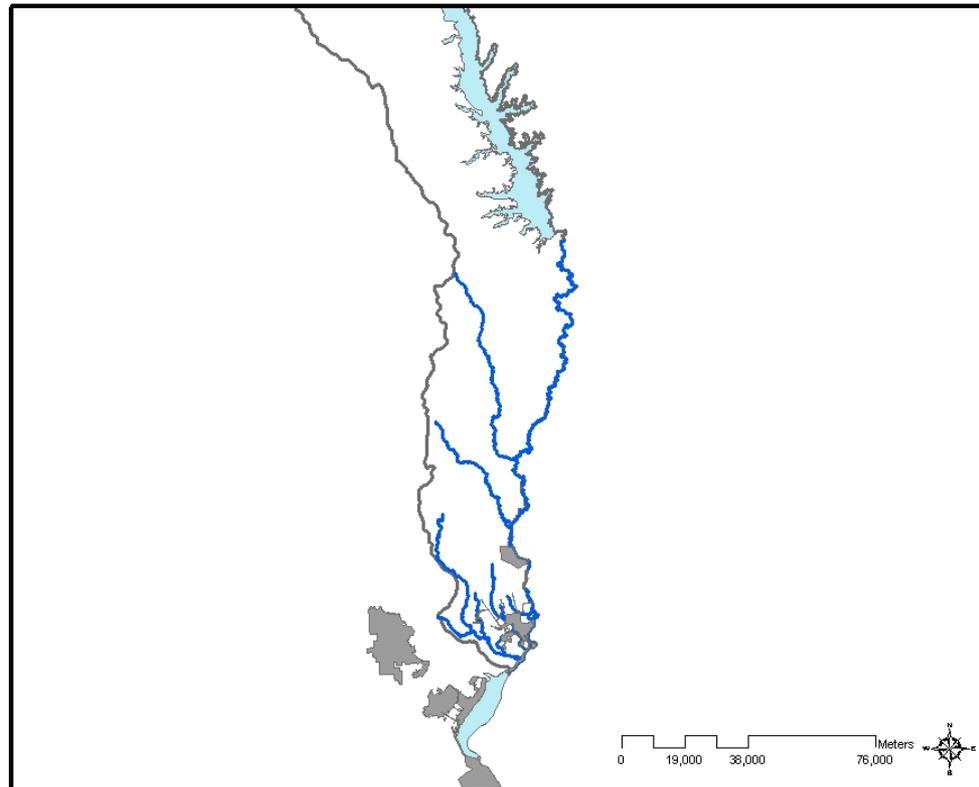


Water Quality in the Sabine Basin

Texas Instream Flow Program

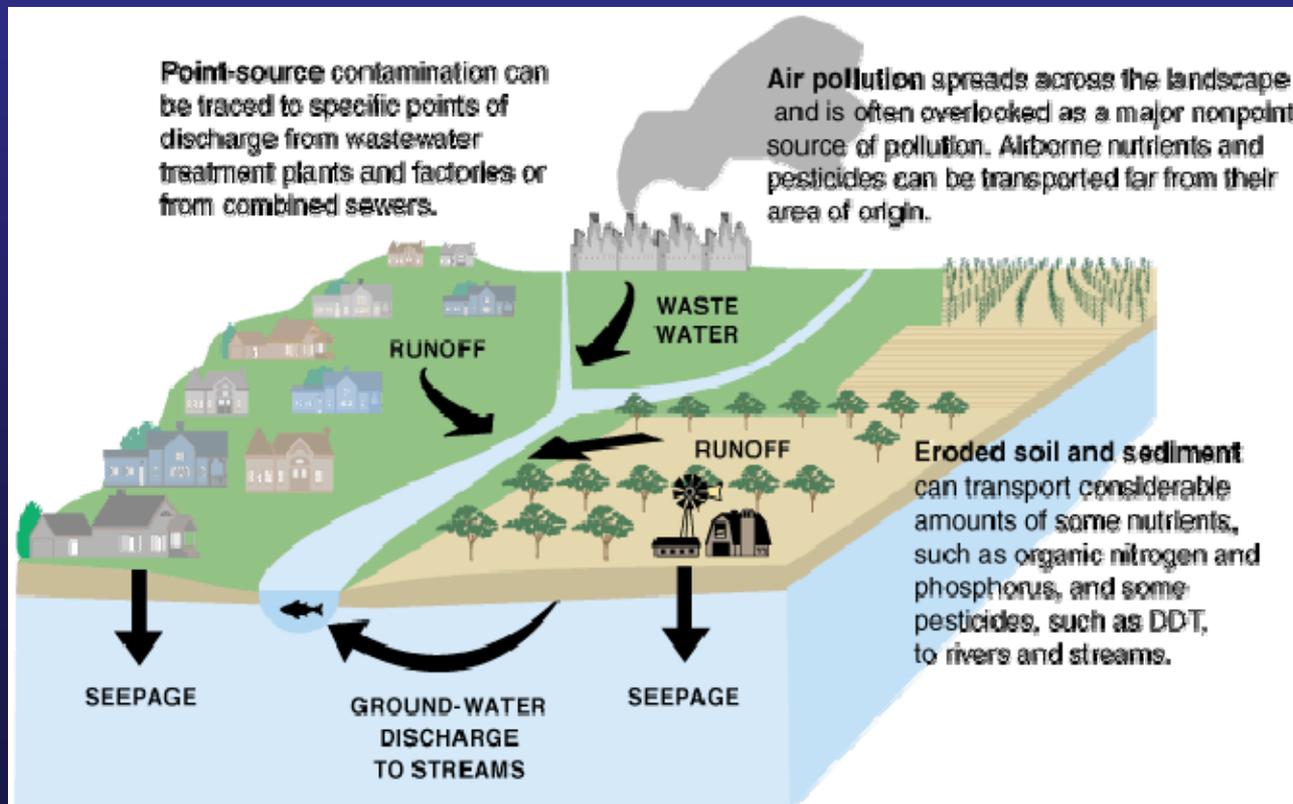
3rd Stakeholder Meeting January 6, 2009

Dakus Geeslin, TCEQ

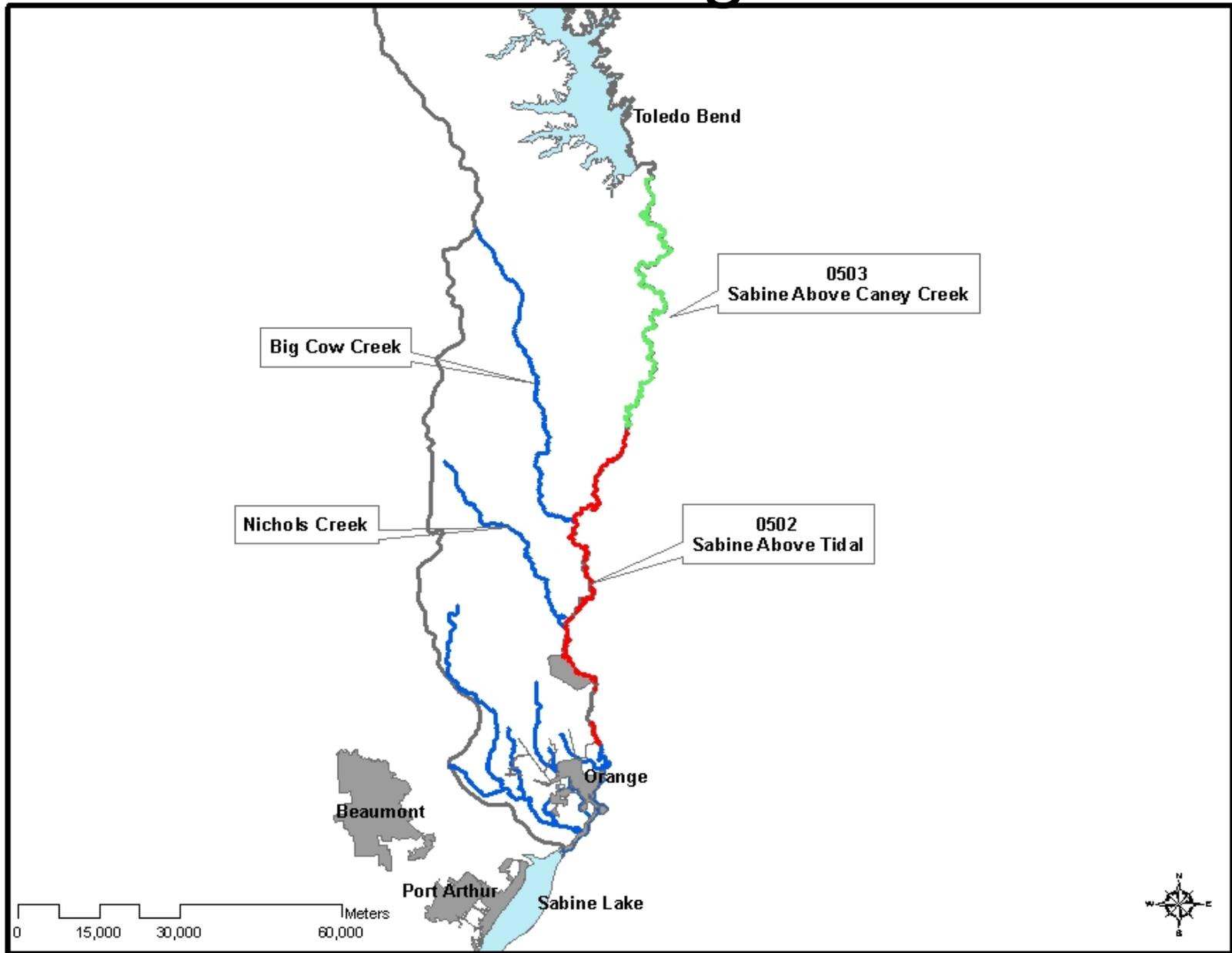


What is Water Quality

- Physical, chemical, and biological characteristics in relation to a set of standards
- Aquatic Life Use, Contact Recreation, Public Water Supply, Fish Consumption



Classified Segments



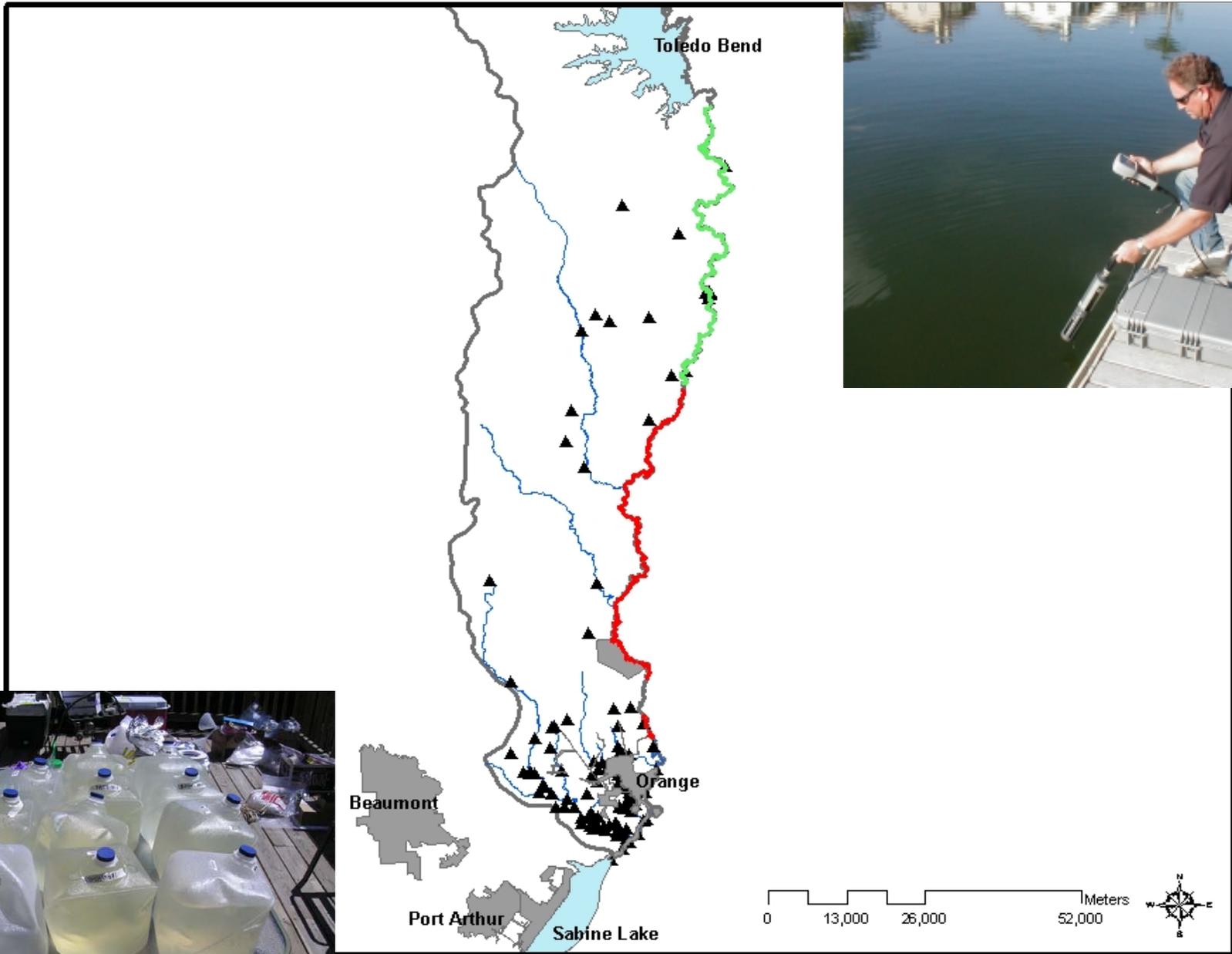
Standards Criteria

Segment No.	Segment Name	Uses			Criteria						
		Recreation	Aquatic Life Use	Domestic Water Supply	Cl ⁻¹ (mg/L)	SO ₄ ⁻² (mg/L)	TDS (mg/L)	DO (mg/L)	pH (SU)	indicator bacteria #/100ml	Temp
0502	Sabine Above Tidal	Contact Recreation	High	Public Supply	50	50	200	5	6.0-8.5	126/200	91 F
0503	Sabine Above Caney Creek	Contact Recreation	High	Public Supply	50	50	200	5	6.0-8.5	126/200	91 F

Clean Rivers Program

- The Texas Clean Rivers Program incorporates water quality monitoring, assessment, and public outreach.
- The program is a collaboration of 15 partner agencies (ex. SRA, LCRA, etc.) and the TCEQ.
- The CRP works as a hub for participating collaborators to provide data as well as coordinated watershed protection.

TCEQ Surface Water Quality Monitoring Stations





Concerns

Caney Creek and
Nichols Creek



Bacteria

Concerns



Nutrients



TMDL Implementation

- Adjustment of effluent limitation in permits
- Schedule of elimination of pollutant
- Identification of nonpoint sources
- Modification to a storm water program

Goal and Objectives

Our goal is a healthy, functioning Lower Sabine River Basin that has:

- high quality water
- sufficient flow
- a sustainable ecosystem

to assure a dynamic balance between human needs and the environment

Maintain/improve the water quality for the benefit of biological communities and human needs

Web Resources

Water Quality Standards

http://www.tceq.state.tx.us/nav/eq/eq_swqs.html

TMDL

<http://www.tceq.state.tx.us/implementation/water/tmdl/index.html>

Clean Rivers Program

<http://www.tceq.state.tx.us/nav/eq/texcleanriver.html>

SRA Basin Report

http://www.sratx.org/srwmp/tcrp/state_of_the_basin/summary_reports/default.asp

Potential Water Quality Indicators

- Flow Related
 - DO
 - Temp
 - Nutrients
 - Chl-a, TP, N
 - Turbidity
 - Bacteria
- Monitoring Related
 - pH
 - Conductivity
 - Metals
 - Organics
- Biology Related
 - Bugs
 - Fish
 - Fish Tissue Analysis