

2023

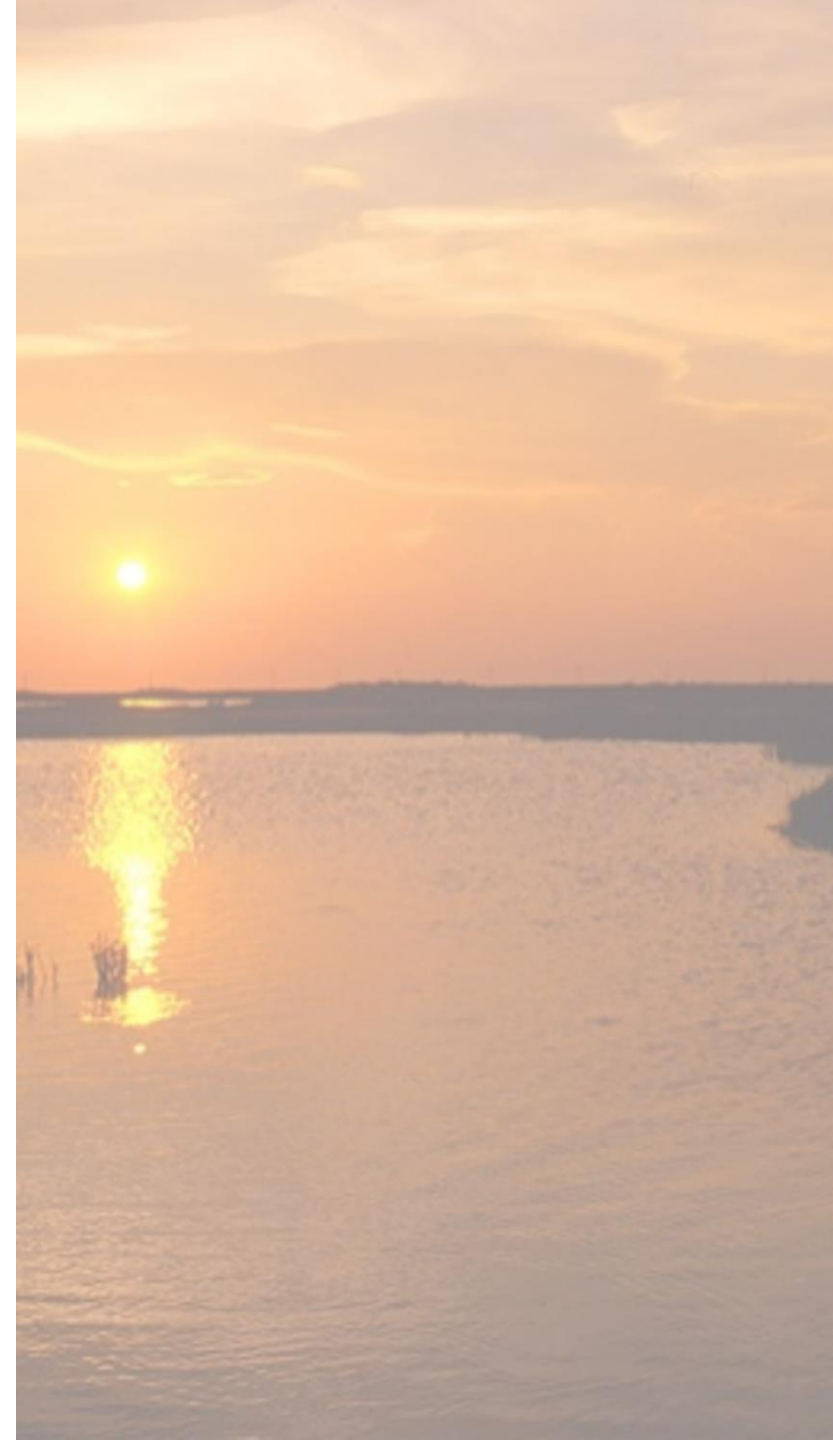
Basin Summary Report

Planning

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Texas Clean Rivers Program

Basin Summary Report Overview

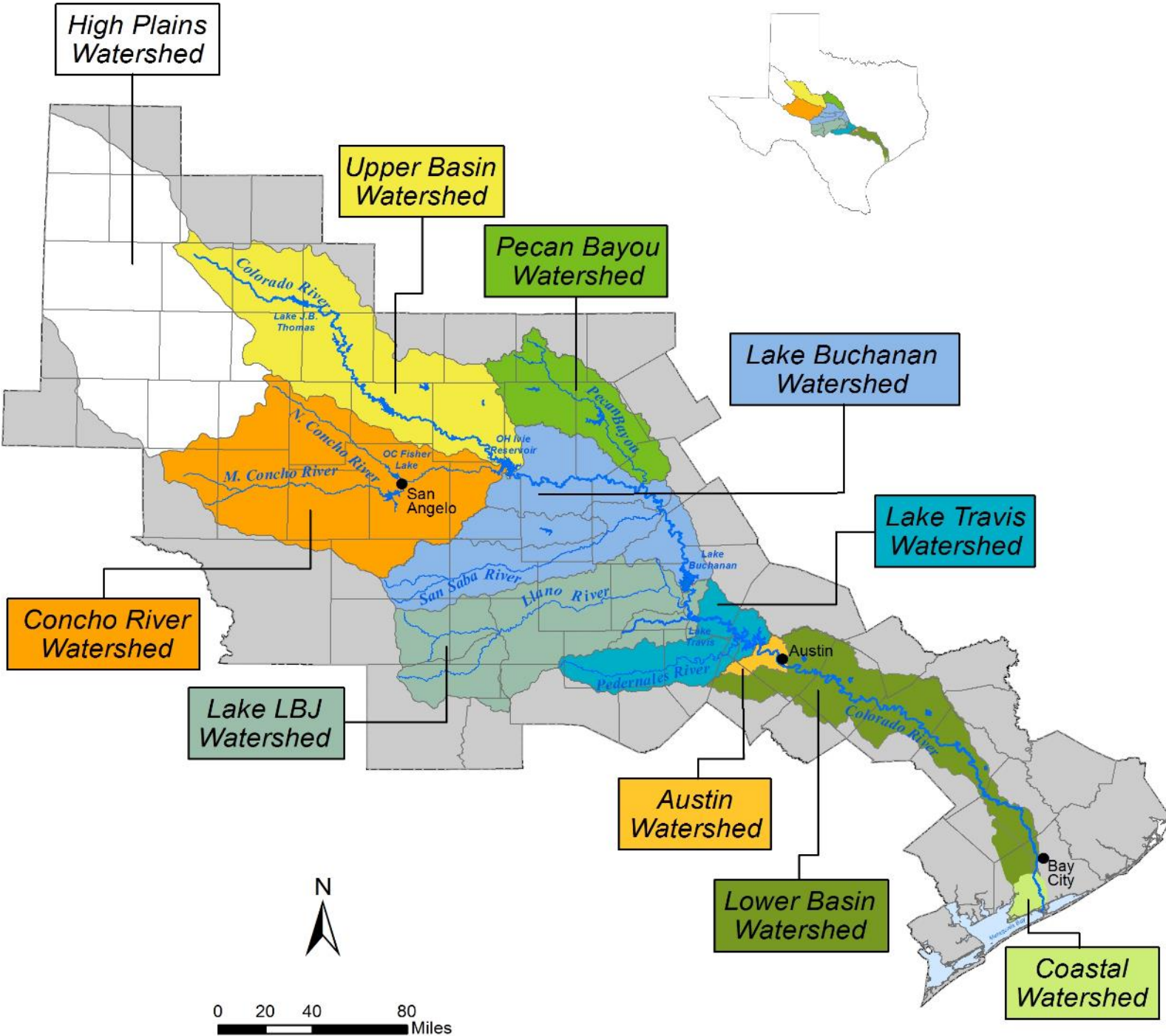
- **What?**
 - Decision making aid regarding water quality issues in each river and coastal basin
- **Why?**
 - Understand basin water quality conditions, trends, and changes
- **How?**
 - Data Analysis
- **When?**
 - Every five years



Basin Summary Report Goals

- **Develop monitoring plans and update priorities**
 - Prioritize water bodies for action
 - Select watersheds for special studies
 - Highlight sections of the basin that need more land use information
- **Enhance knowledge and understanding of water quality issues**
 - Correlate water quality conditions with possible sources
- **Verify and explain findings in the Texas Water Quality Integrated Report**
- **Assess the success of water quality improvement projects**

Colorado River Basin



2017 Basin Summary Report

- Introduction
- Public involvement



17244 - Colorado River at Blair Ranch

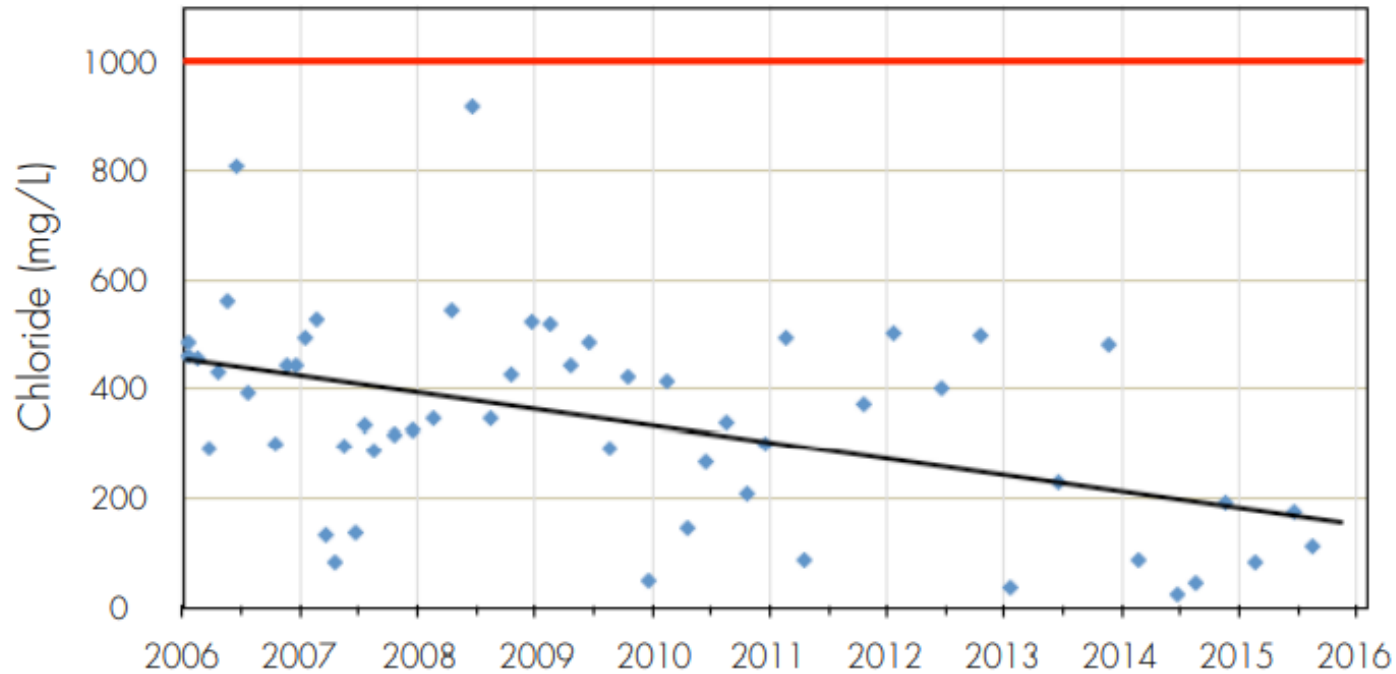


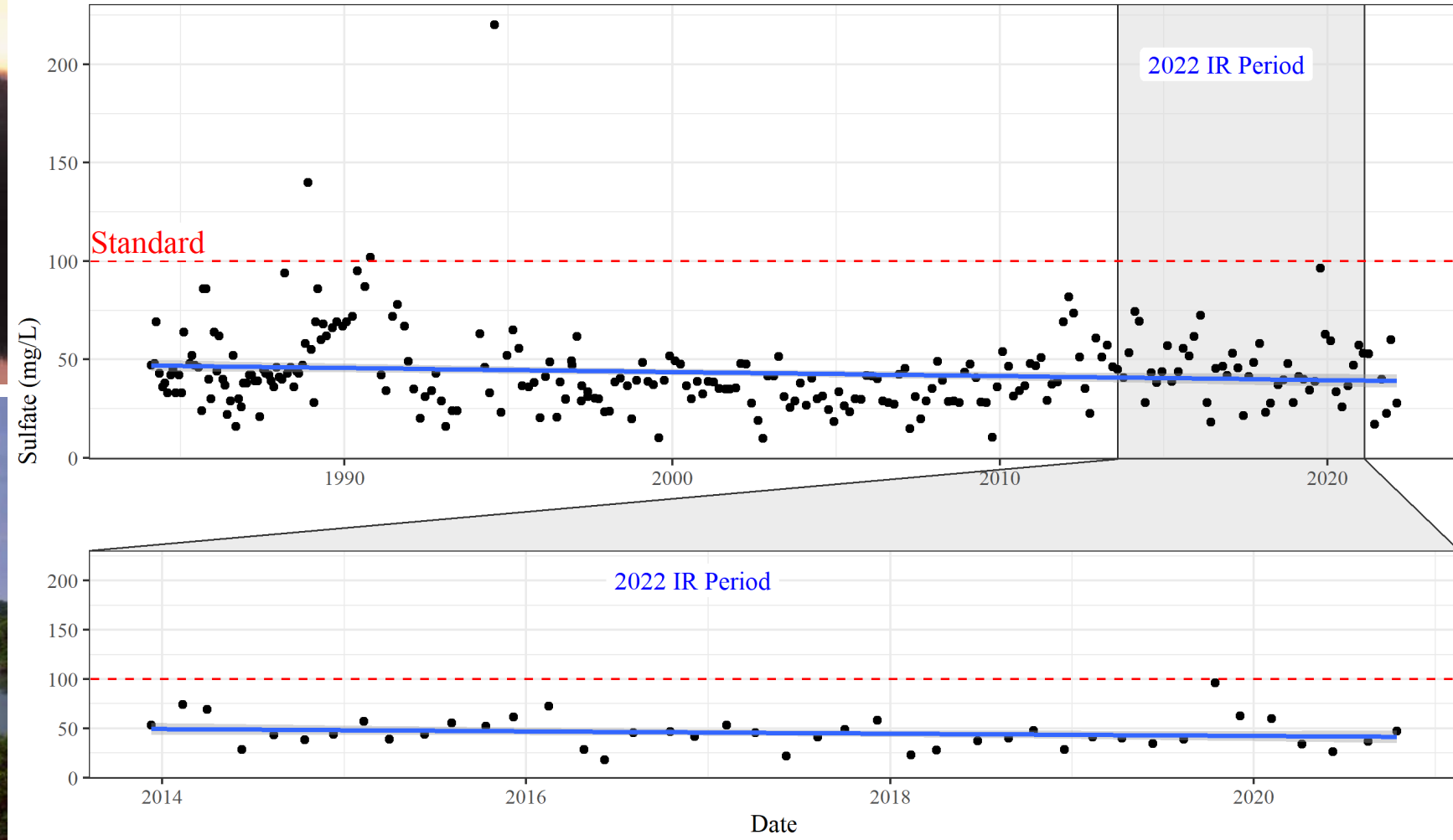
Figure 8. Chloride Trend / Segment 1426

- **Water quality analysis**
 - Trend analysis: 2006-2015
 - Water quality standards
 - Restoring impaired water bodies
- **Watershed summaries**
- **Conclusions and recommendations**



Station ID 12284 - Colorado River at SH 35

Segment 1402 - Colorado River Below La Grange

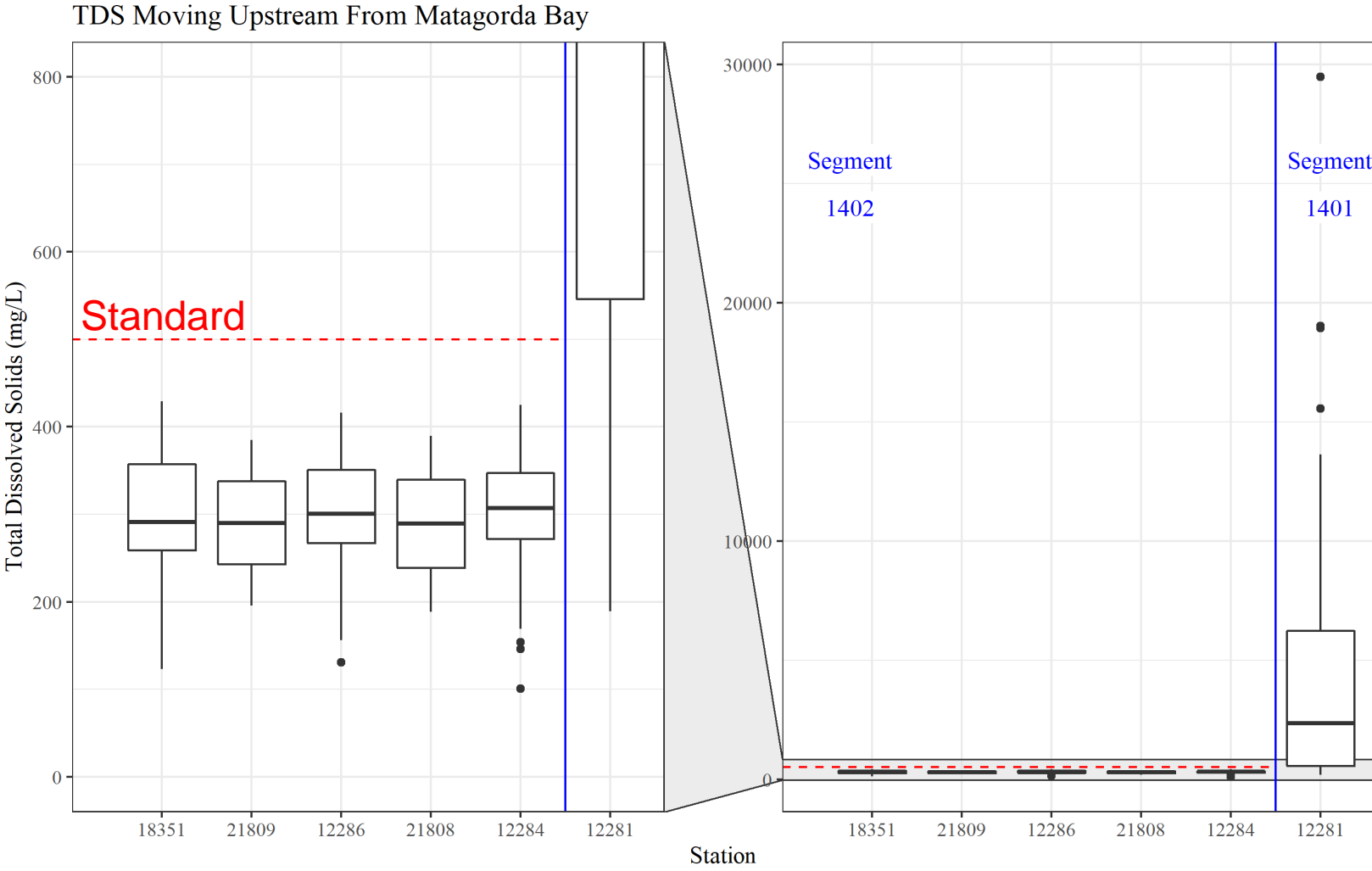


Binomial Method

- Proportion of samples that exceeds the criteria (p) and proportion that meets criteria ($1-p$)
- Compare to 2022 Waterbody Assessment for Colorado River Basin

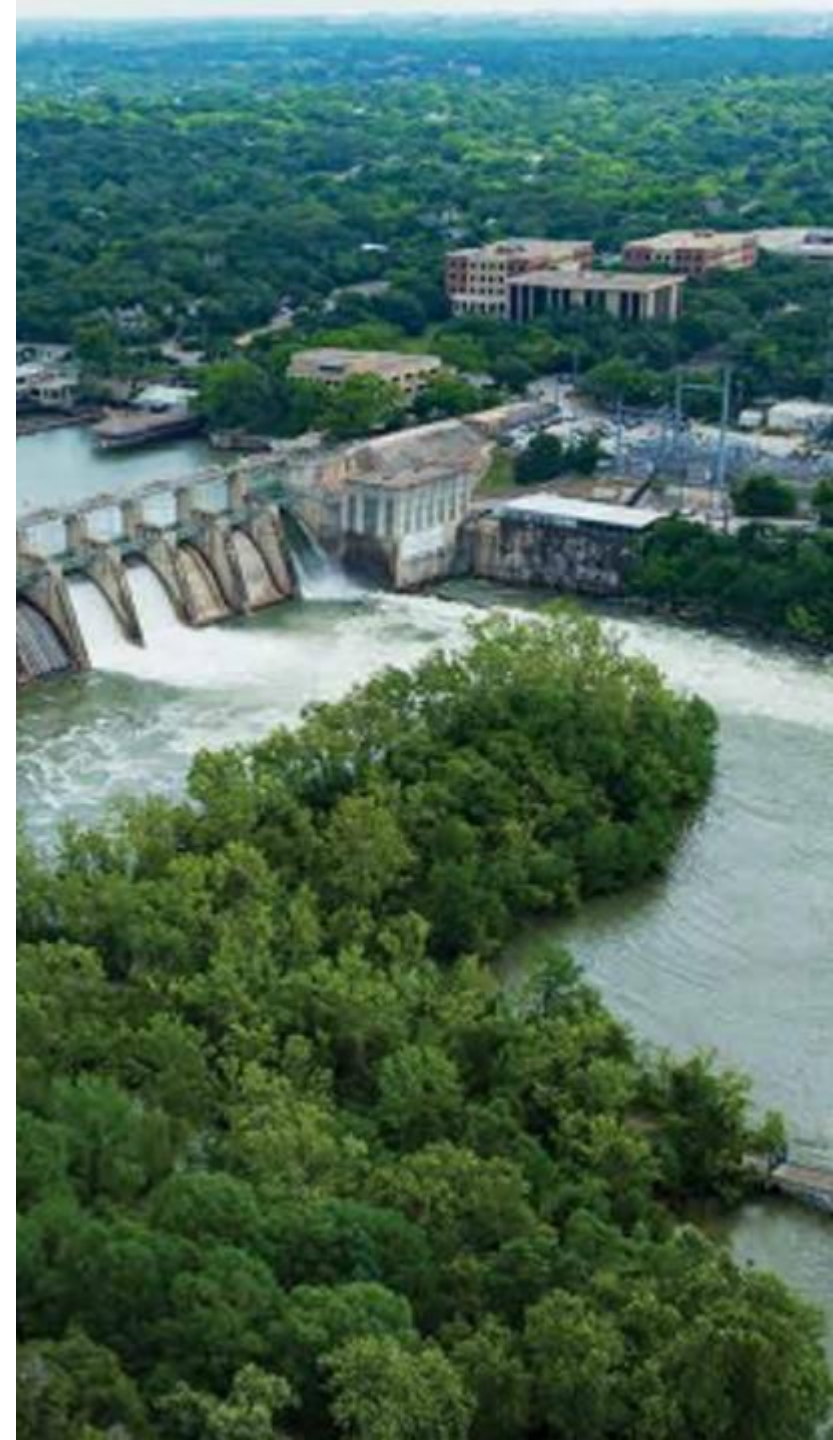


Spatial Comparisons



Potential Topics

- **Water Quality Protection Programs**
 - Colorado River Environmental Models (CREMs)
 - On-Site Sewage Facilities (OSSF)
 - Highland Lakes Watershed Ordinance (HLWO)
- **Best management practices, water conservation, riparian buffers**
- **Drought monitoring**
- **Colorado River Watch Network data analysis**
- **Historical biological monitoring analysis**



Next Steps

- **Through June: LCRA accepts topic ideas**
 - Email Aaron.Richter@lcra.org
- **Suggestions evaluated for feasibility**
- **Formal meeting between TCEQ CRP Project Manager, CRP Task 5 Coordinator and LCRA**
- **By March 15, 2023: Draft to TCEQ**
- **Stakeholder input**
- **By May 31, 2023: Final version to TCEQ**

