Trinity River Authority of Texas

Enriching the Trinity basin as a resource for Texans

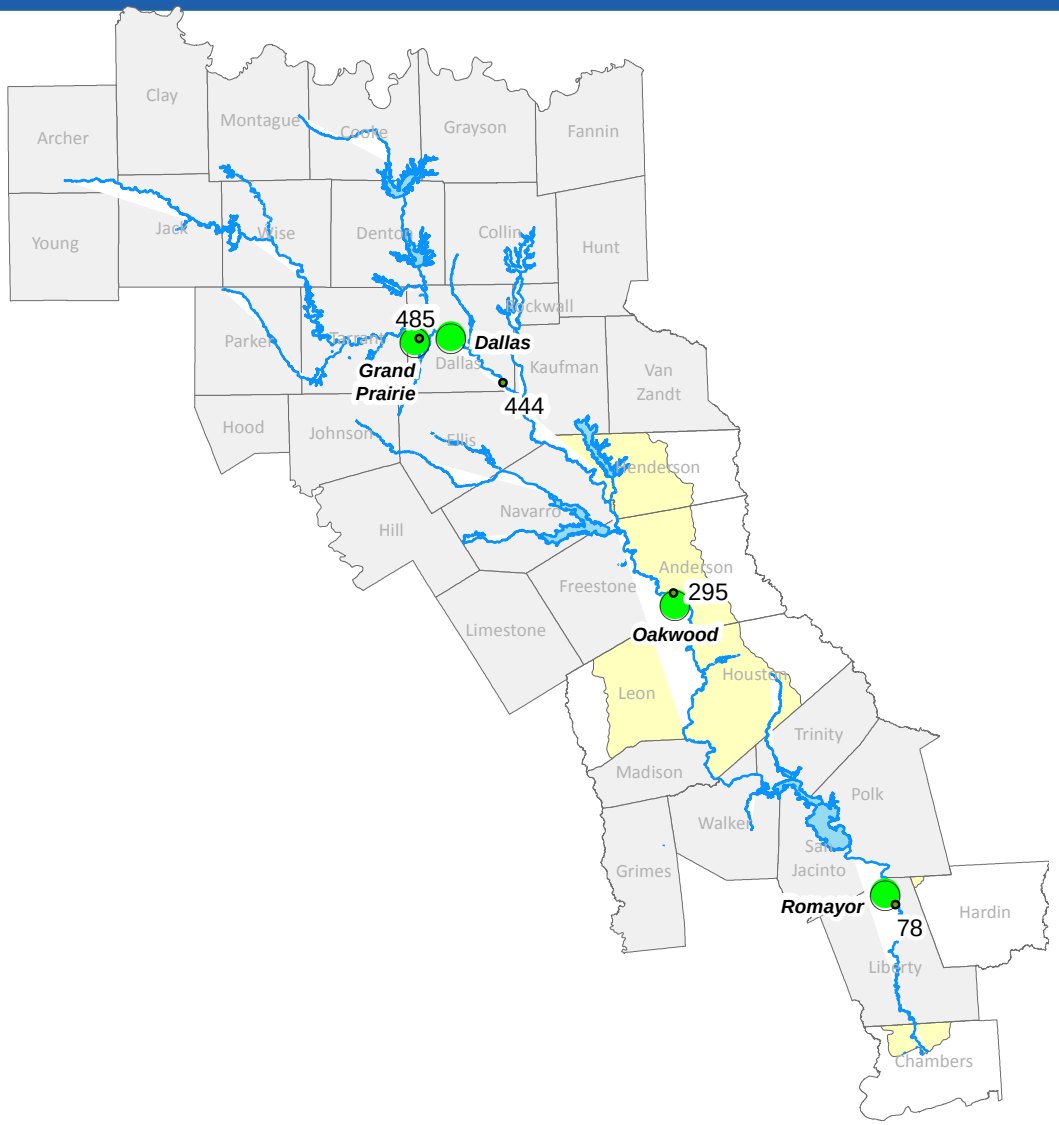
Environmental Flows Assessment, Phase II

BBASC Update, 2016

Wastewater Treatment ▪ Water Treatment ▪ Water Storage ▪ Lake Livingston ▪ Recreation

Background

- SB3 Measurement Points
- Field Work Phase I
- Field Work Phase II



Contract Tasks

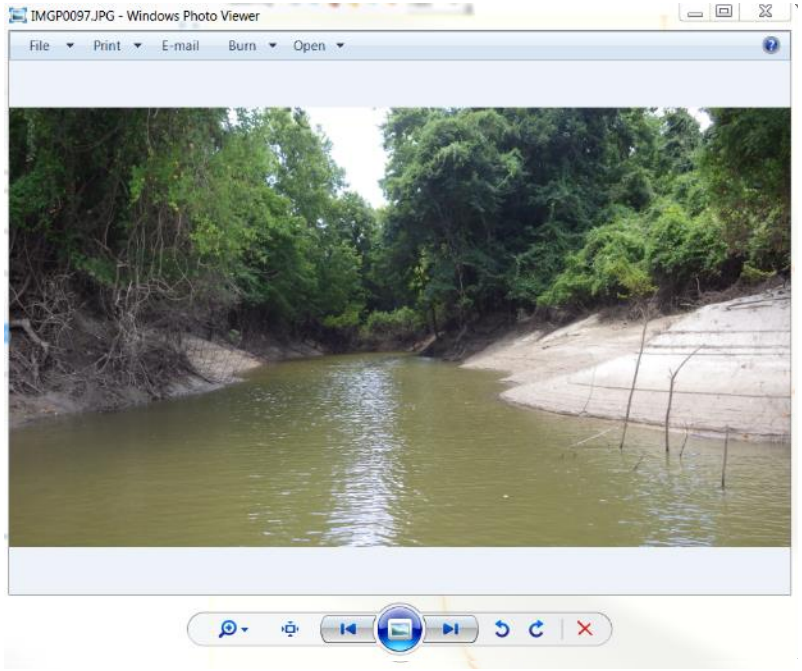
- Task I – Collect field data (60%)
- Task II – Data Processing and Analysis (10%)
- Task III – Coordinate with other instream study efforts (10%)

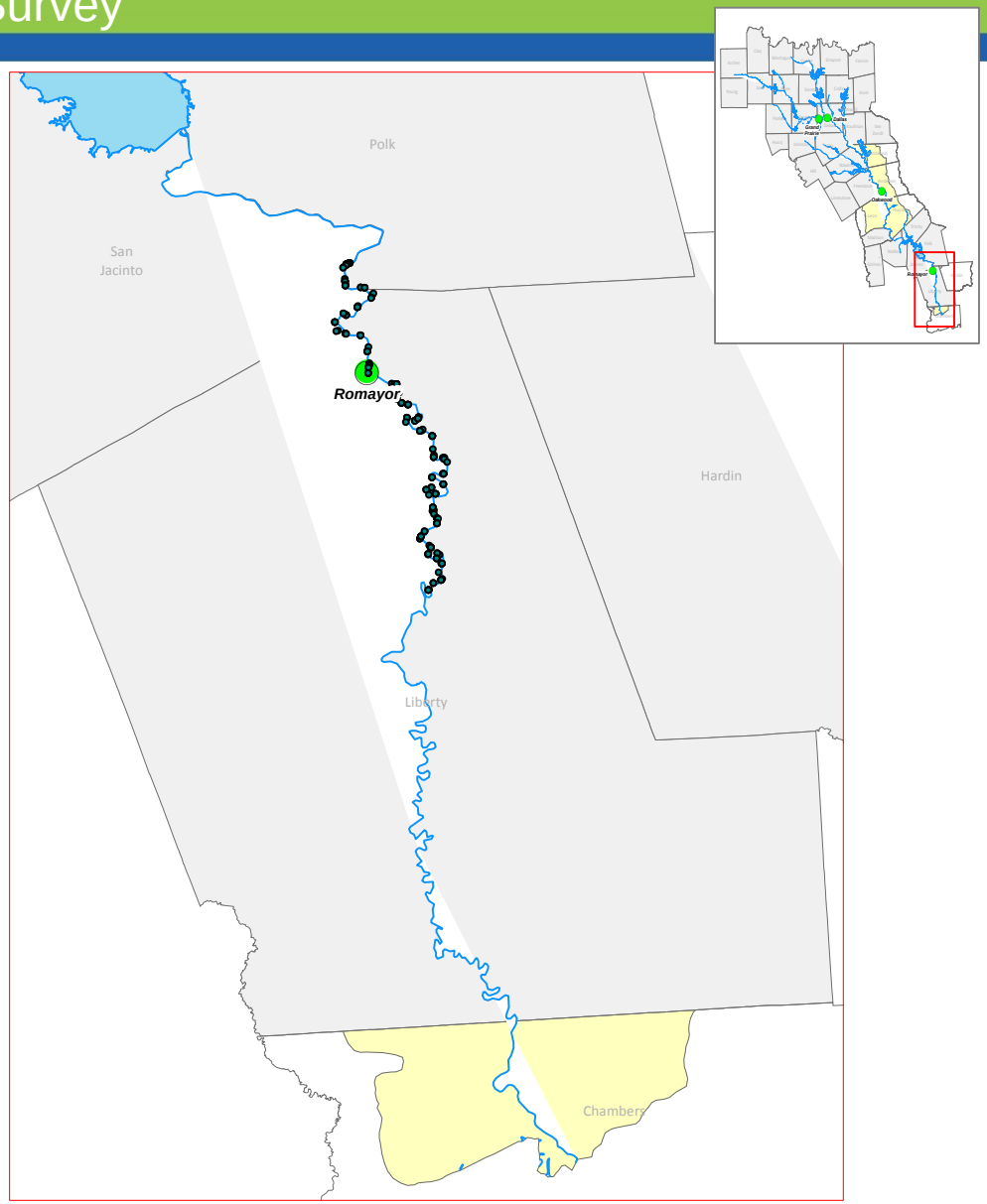
Task I – Collect Field Data, 60%

Linear Survey

Oakwood – May 2016,**12,350 cfs**, 33 mi
Romayor – July 2016, **13,750 cfs**, 20 mi

SB3 Pulse	Winter	Spring	Summer	Fall
Oakwood	3k	**7k**	2.5k	2.5k
Romayor	8k	**10k**	4k	4k





Task I – Collect Field Data, 60%

Riparian Survey

Riparian Complete at Oakwood and Romayor
Note: Banks are re-establishing post flood.

Task I – Collect Field Data, 60%

Flow Comparison

Riparian transect at Oakwood – small pulse

Task I – Collect Field Data, 60%

Topographic Survey

Find benchmarks/re-establish site

Deposition

Task I – Collect Field Data, 60%

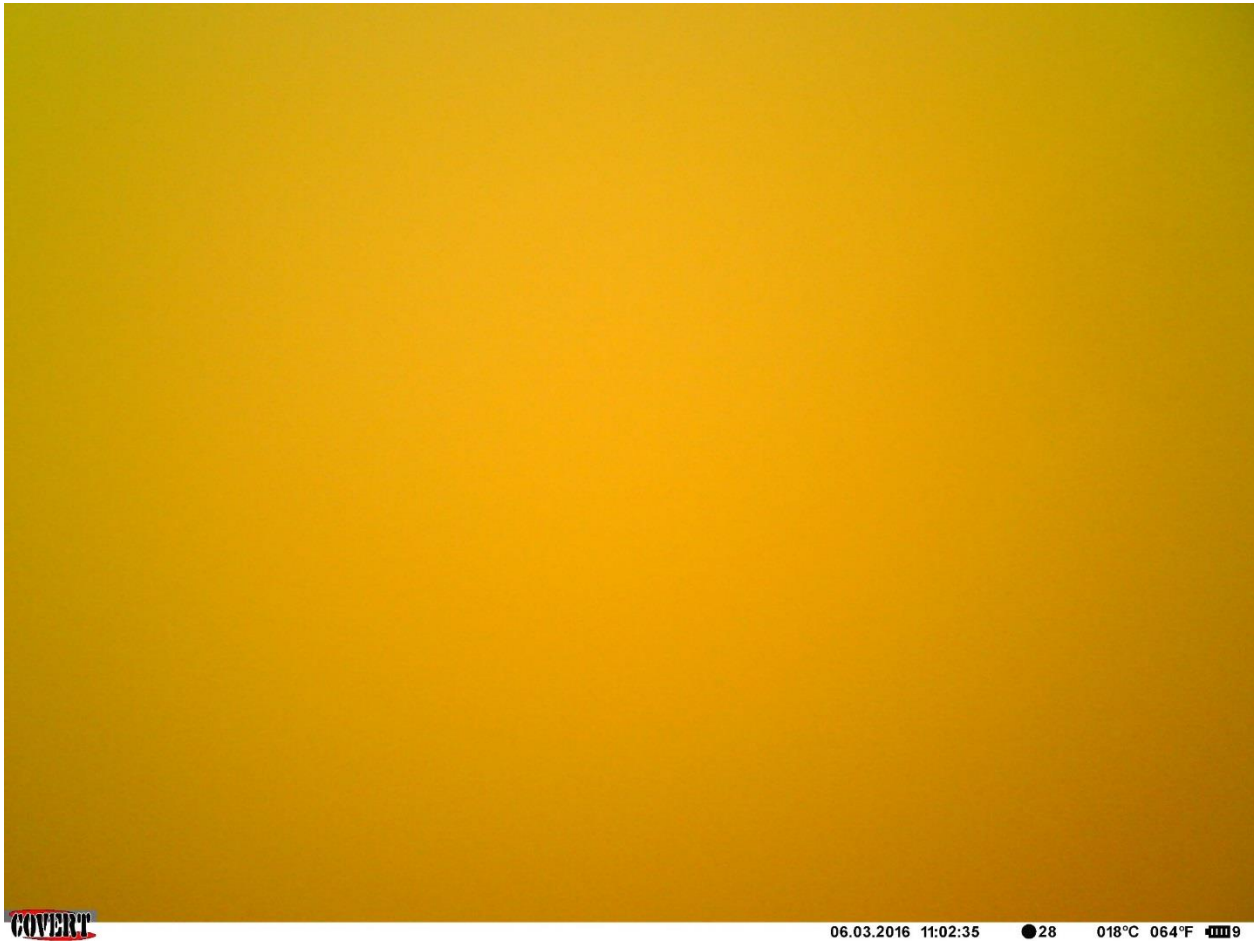
Game Camera

Task I – Collect Field Data, 60%

Game Camera

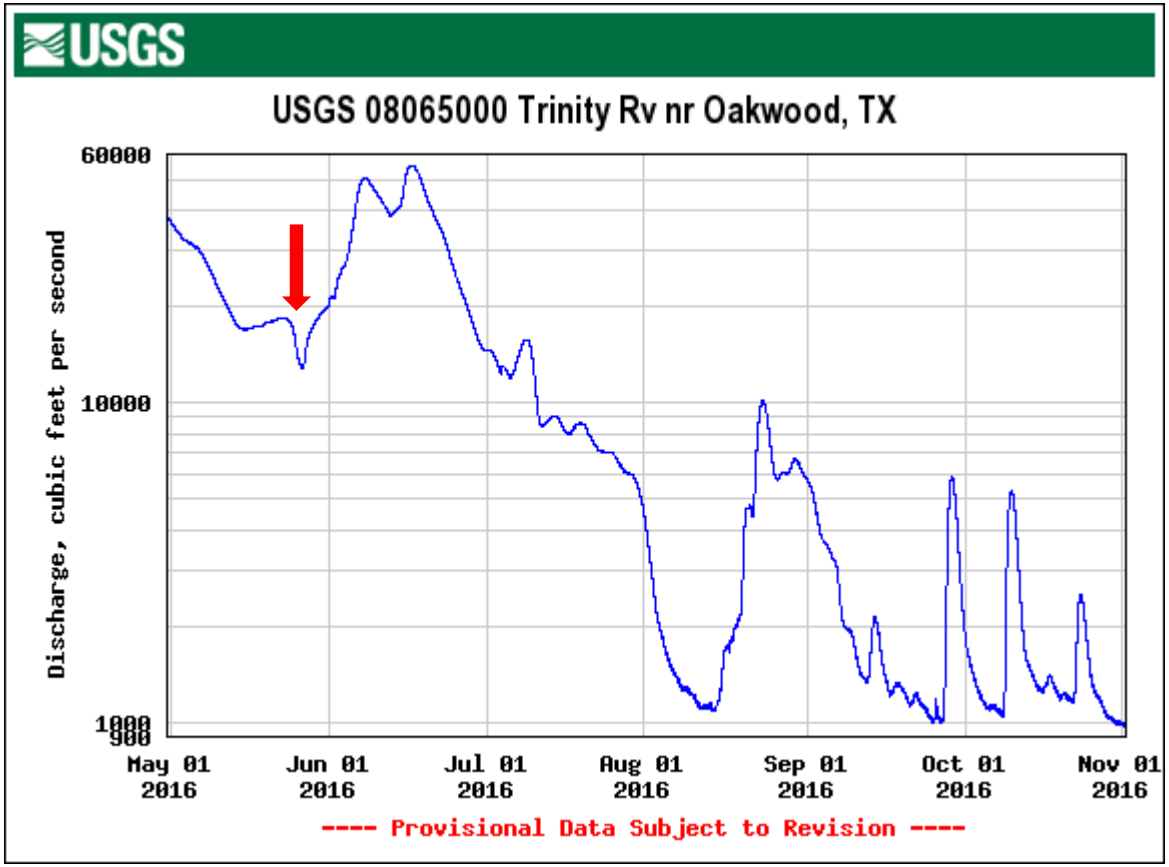
Task I – Collect Field Data, 60%

Game Camera



Task I – Collect Field Data, 60%

Game Camera



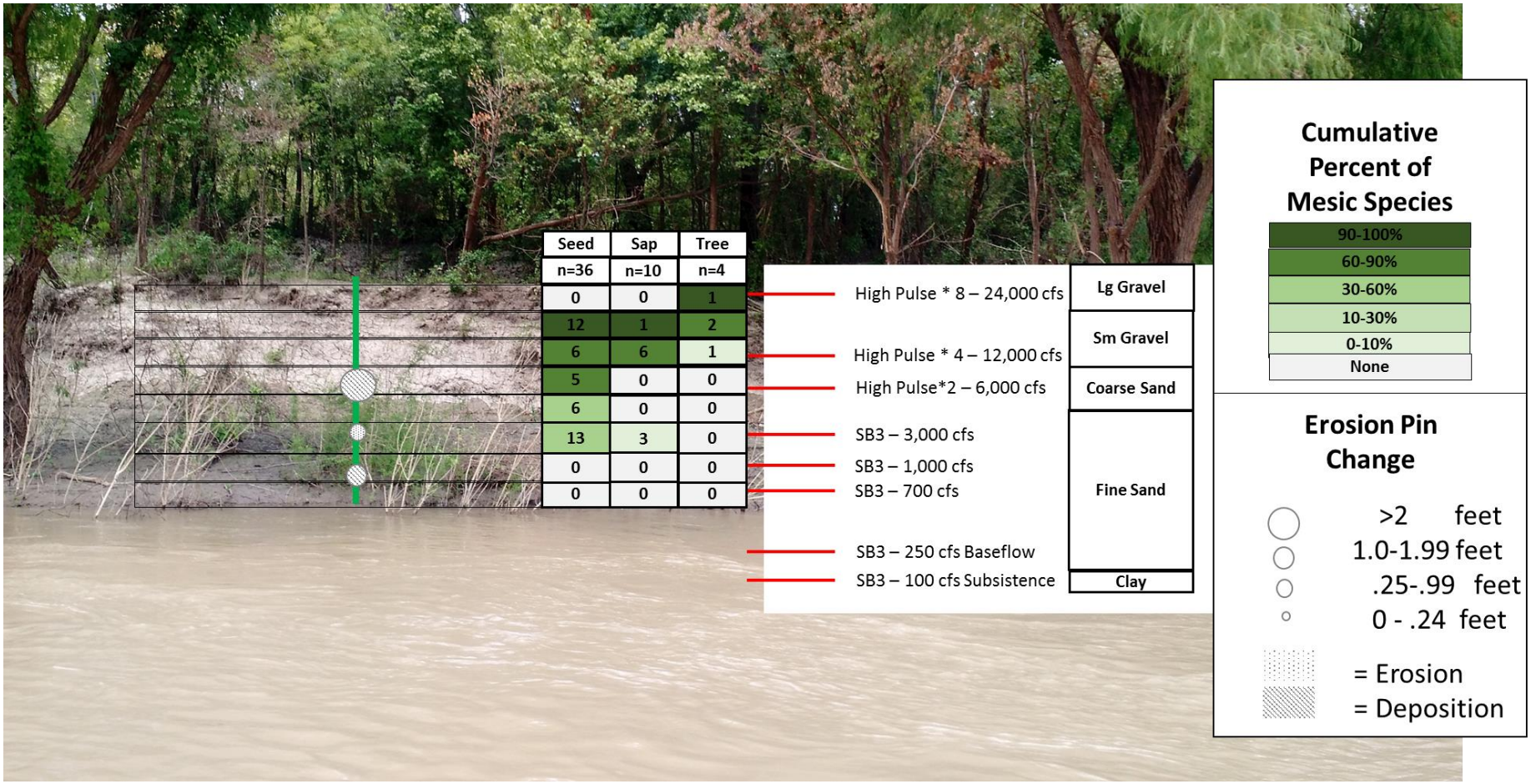
Task I – Collect Field Data, 60%

Bathymetry

Note: Image shown at higher flow than bathymetry.

Task II – Data Analysis & Reporting, 10%

Summary Figure

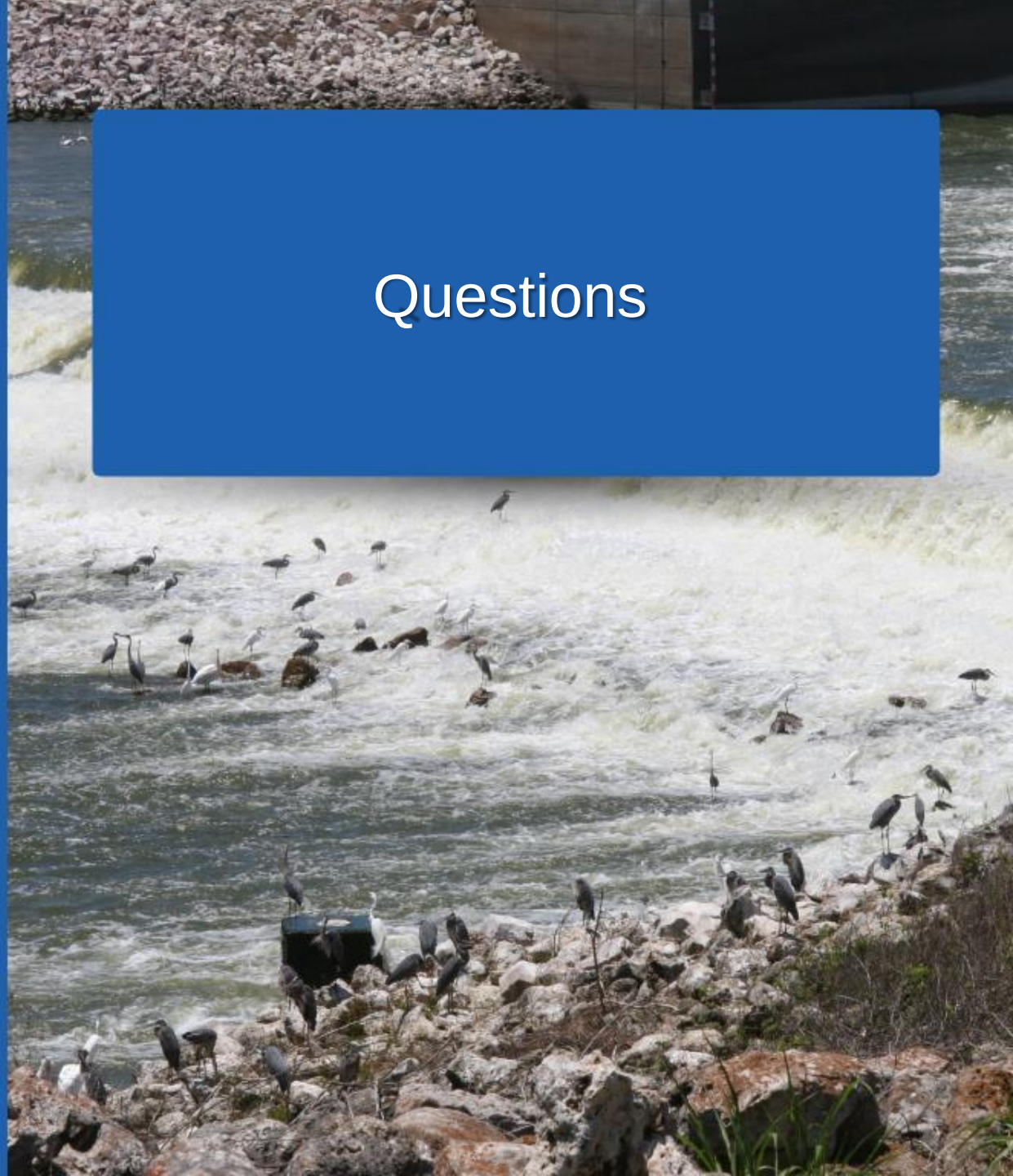


Example: Draft summary figure (not real data).

Task III – Coordinate with Other Basins, 10%

- Field work planned with:
  - Brazos River BBASC
  - BRA
  - SB2

- Data archive coordination/methodologies
  - TCEQ – CRP, SWQMIS
  - Other efforts



Questions