

#### 2023 Clean Rivers Program

CRP Stakeholder Meeting March 17, 2023



# Overview of the Clean Rivers Program





#### Overview

- The Texas Clean Rivers Program is Statewide Program to conduct monitoring, assessments and have stakeholder participation
- Administered by the Texas Commission on Environmental Quality (TCEQ)

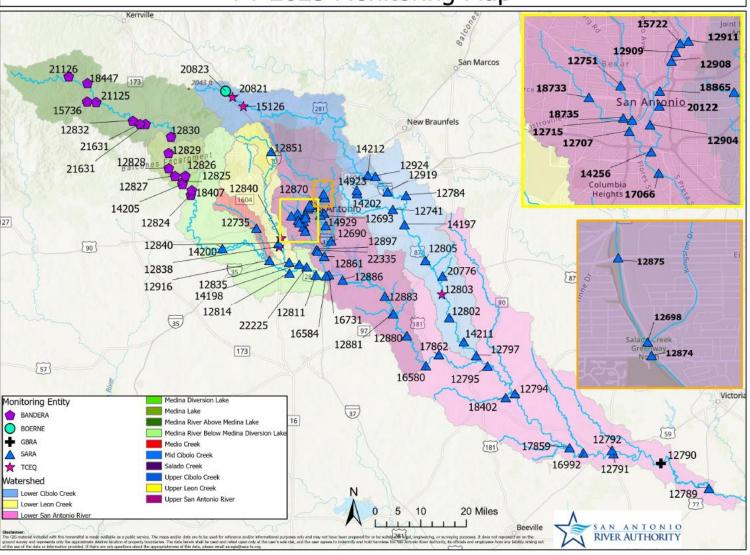


#### The San Antonio River Authority

- As part of the CRP, SARA staff work with our partners to monitor the entire basin:
  - Bandera County River Authority and Groundwater District
  - City of Boerne



#### FY 2023 Monitoring Map



#### Texas Clean Rivers Program

- Water Quality Samples
- Fish & Benthic Macroinvertebrates Communities
- Habitat Assessments
- Quality Assurance
- Data Management
- Data Analysis and Reporting
- Stakeholder Participation and Public Outreach



#### Clean Rivers Program

Routine Monitoring							
San Antonio River Authority	59 Sites						
Bandera River Authority and Groundwater District	16 Sites						
City of Boerne	1 Site						
TCEQ (Local Office)	6 Sites						
Guadalupe-Blanco River Authority	1 Site						



### Clean Rivers Program Routine Monitoring

- Nitrate Nitrogen
- Nitrite Nitrogen
- Total Phosphorus
- Total Kjeldahl Nitrogen
- Ammonia Nitrogen
- Chlorophyll-a
- Pheophytin

- E. coli Bacteria
- Sulfate
- Chloride
- BOD\*
- TSS
- Total Metals in Water\*
- Dissolved Metals in Water\*
- Hardness\*



## Clean Rivers Program Field Monitoring

- Flow
- Temperature
- Specific Conductivity
- Dissolved Oxygen
- pH
- Secchi Depth

- Field Observations
  - Water Color
  - Water Odor
  - Present Weather
  - Days since last precipitation



#### Clean Rivers Program

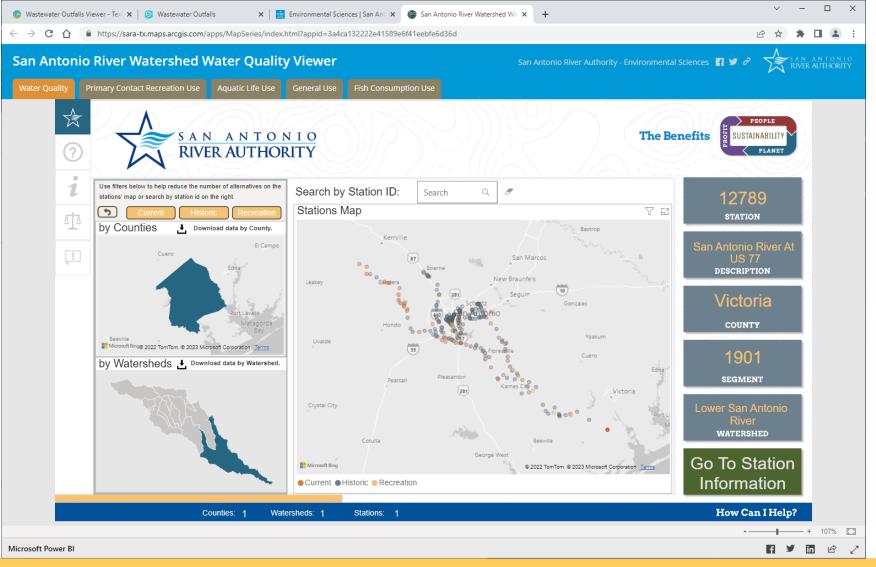
Seasonal (Biological) Sampling							
Fish	15 Sites	26 Events					
Benthic Macro-invertebrates	4 Sites	6 Events					
Aquatic Habitat	15 Sites	26 Events					
24 Hr. Dissolved Oxygen, pH, Conductivity, Temperature	19 Sites	33 Events					



#### Texas Clean Rivers Program

- Provides quality assured data for use in decision making.
- Data:
  - TCEQ: <a href="https://www80.tceq.texas.gov/SwqmisPublic/index.htm">https://www80.tceq.texas.gov/SwqmisPublic/index.htm</a>
  - SARA Website:
    - Select: Environmental Sciences
      - Water Quality Data Viewer







#### Available Parameters

#### DATE RANGE:

Pre-populated date range represents the range of all available data for this location.



#### SITES:

✓ 12904 SAN ANTONIO RIVER AT ALAMO ST IN SAN ANTONIO
--

#### SELECT PARAMETERS BY GROUP:

□ Bacteria	☐ Inorganics	Nutrients	Metals	Sediment
Organics	Benthos	Nekton	□ Habitat	24 Hour field Data
Observation or Info	□Flow	☐Tissue		

☐ Include Provisional Data





Download Results: <u>CSV</u>

#### Filter

Station ID	End Date	End Time	End Depth	Sample Type	Source 1	Tag ID	Provisional	TEMPERATURE, WATER (DEGREES CENTIGRADE) Parameter No. 00010	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Parameter No. 00061	TRANSPARENCY, SECCHI DISC (METERS) Parameter No. 00078	SPECIFIC CONDUCTAN (US/CM @ 25 Parameter No
12904	<b>✓</b> 10/18/2022	08:07	0.13	RT	SA	SA25656	YES	22.8	26	0.35	971
12904	<b>2</b> 08/10/2022	08:26	0.3	RT	SA	SA25354	YES	29.0	20	> 1.2	1220
12904	<b>2</b> 06/21/2022	09:27	0.1	RT	SA	SA25249	YES	28.4	22	> 1.2	1050
12904	<b>2</b> 05/02/2022	08:10	0.12	RT	SA	SA24970	NO	23.6	39	0.62	688
12904	<b>2</b> 02/07/2022	08:53	0.13	RT	SA	SA24803	NO	9.5	25	0.48	507
12904	<b>☑</b> 12/27/2021	09:03	0.11	RT	SA	SA24619	NO	19.6	29	0.62	640



## Water Quality Objectives and Priorities





#### **CRP Goal**

• Maintain and improve the quality of water within each river basin in Texas through an ongoing partnership involving the TCEQ, river authorities, other agencies, regional entities, local and state governments, industry, and citizens.



#### **CRP Objectives**

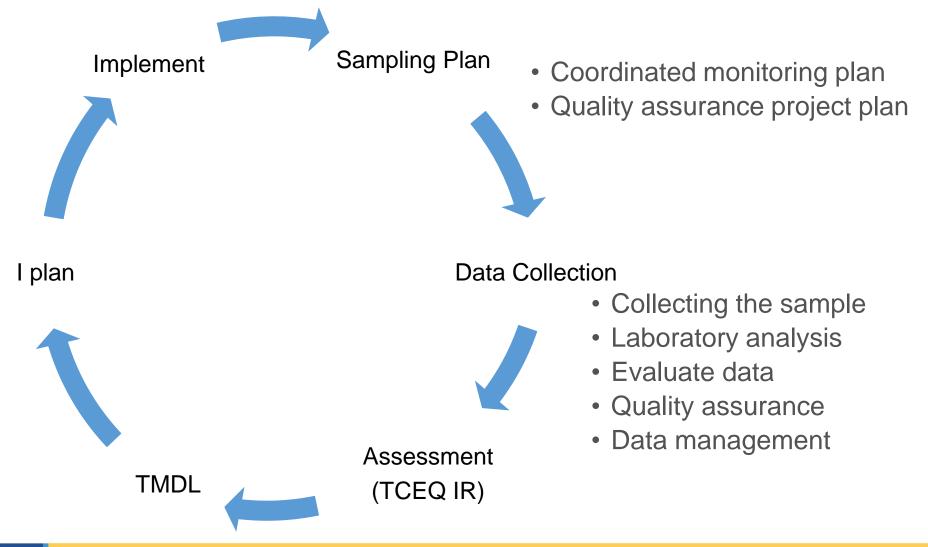
- Provide quality-assured data
- Identify and evaluate water quality issues
- Promote cooperative watershed planning
- Recommend management strategies
- Inform and engage stakeholders
- Maintain efficient use of public funds



#### **CRP** Data

- The CRP data is used by TCEQ to generate the Texas Integrated Report every two years.
- This report is sent to EPA as required by the Federal Clean Water Act Sections 305(b) and 303(d).





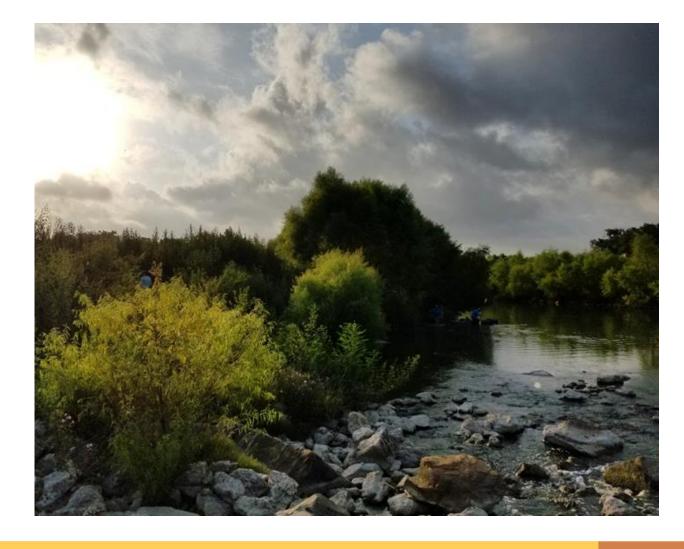


#### **Priority**

To provide timely, relevant and defensible data to decision makers and the public to support actions that improve and protect the water quality and ecology of the riverine environment.



Work Plan and Allocation of Resources





#### Workplan

- Task 1 Project Administration
- Task 2 Quality Assurance
- Task 3 Water Quality Monitoring
- Task 4 Data Management
- Task 5 Data Analysis and Reporting
- Task 6 Stakeholder Participation and Public Outreach



#### **CRP Funding**

•The program is funded by fees assessed on wastewater discharge permittees and water rights holders as well as through TCEQ's own state appropriations.



#### Funding FY22-23

BUDGET CATEGORIES	FY 2022-23	Amendment 1	Amendment 2	Revised Budget
	9/1/23 - 8/31/24			
Personnel/Salary	\$255,567.56	\$178,460.00		\$434,027.56
Fringe Benefits (38% Salary)	\$97,115.68	\$67,814.80		\$164,930.48
Travel	\$300.00			\$300.00
Supplies	\$14,000.00	\$15,279.61		\$29,279.61
Equipment	\$0.00	\$55,823.59	\$52,751.00	\$108,574.59
Contractual	\$0.00			\$0.00
Other	\$3,000.00	\$696.00	\$1,050.00	\$4,746.00
Total Direct Costs	\$369,983.24	\$318,074.00	\$53,801.00	\$741,858.24
Indirect costs (10% Salary)	\$25,556.76	\$17,846.00		\$43,402.76
Total Reimbursable Costs	\$395,540.00	\$335,920.00	\$53,801.00	\$785,261.00



# ELUENT

#### Funding Amendment 1





#### Funding Amendment 2







#### FY24 -25

- TCEQ Contracts run from Sept.1, 2023 to Aug. 31, 2025.
- We are planning for our next 2-year contract.



#### FY 24/25 Draft CRP Contract Budget

BUDGET CATEGORIES	FY 2024 9/1/23 - 8/31/24	FY 2025 9/1/24 - 8/31/25	FY24 - FY25 TOTAL
Personnel/Salary	\$ 153,816.04	\$ 153,816.04	\$ 307,632.08
Fringe Benefits (39% Salary)	\$ 59,988.26	\$ 59,988.26	\$ 119,976.51
Travel	\$ 300.00	\$ 300.00	\$ 600.00
Supplies	\$ 5,599.10	\$ 5,599.10	\$ 11,198.20
Equipment	\$ -	\$ -	\$ -
Contractual	\$ -	\$ -	\$ -
Other	\$ 400.00	\$ 400.00	\$ 800.00
Total Direct Costs	\$ 220,103.40	\$ 220,103.40	\$ 440,206.79
Indirect costs (10% Salary )	\$ 15,381.60	\$ 15,381.60	\$ 30,763.21
Total Reimbursable Costs	\$ 235,485.00	\$ 235,485.00	\$ 470,970.00



#### 2023 Basin Summary Report



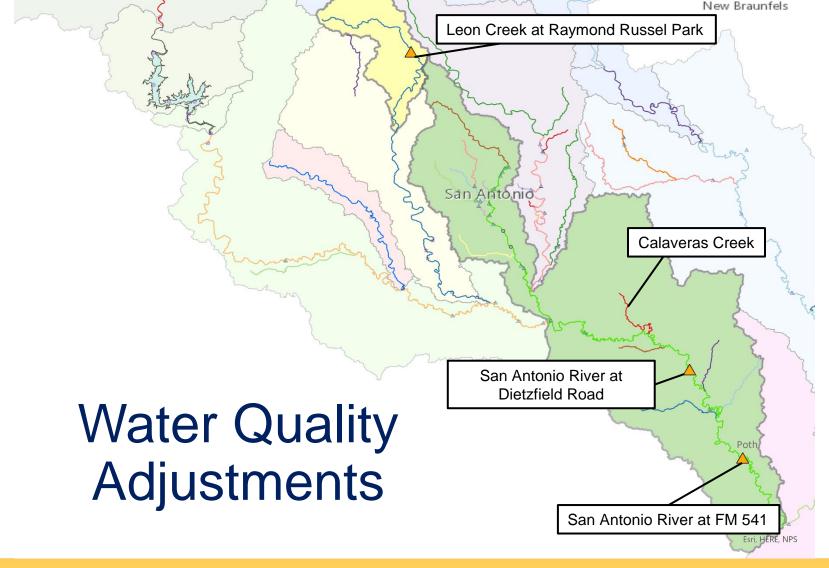
San Antonio River Basin 2018 Summary Report



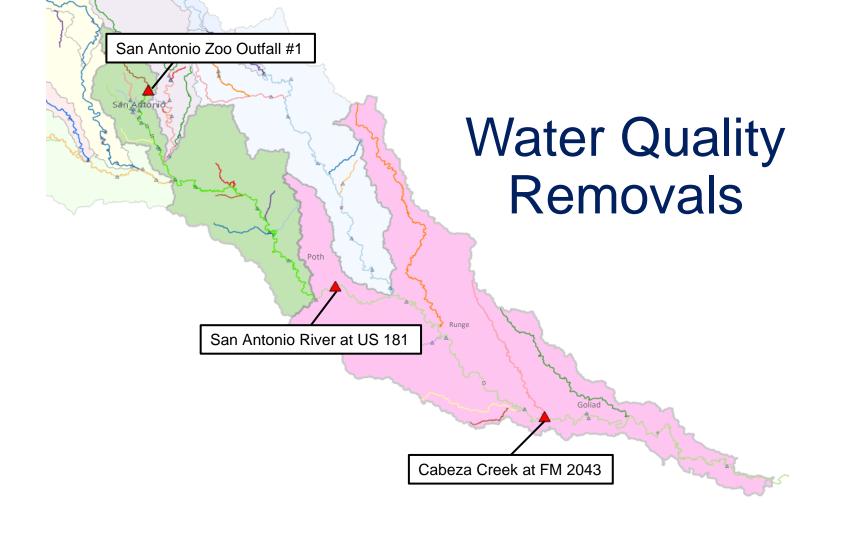
2023 Coordinated Monitoring Meeting





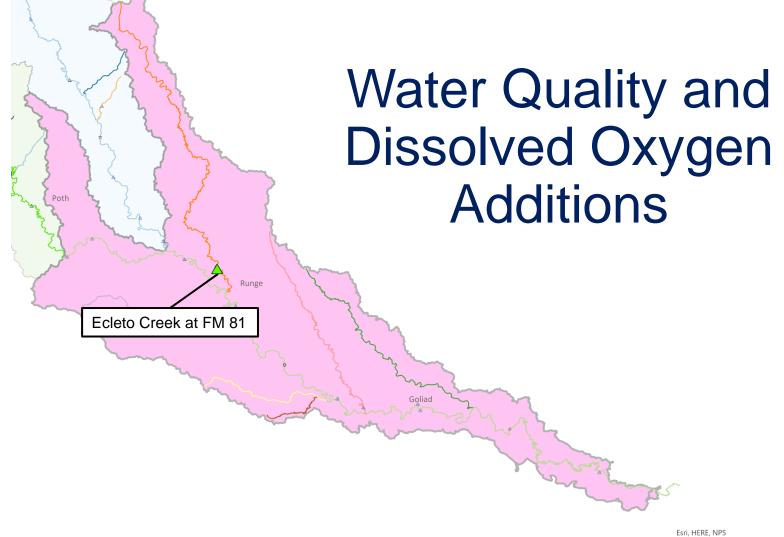




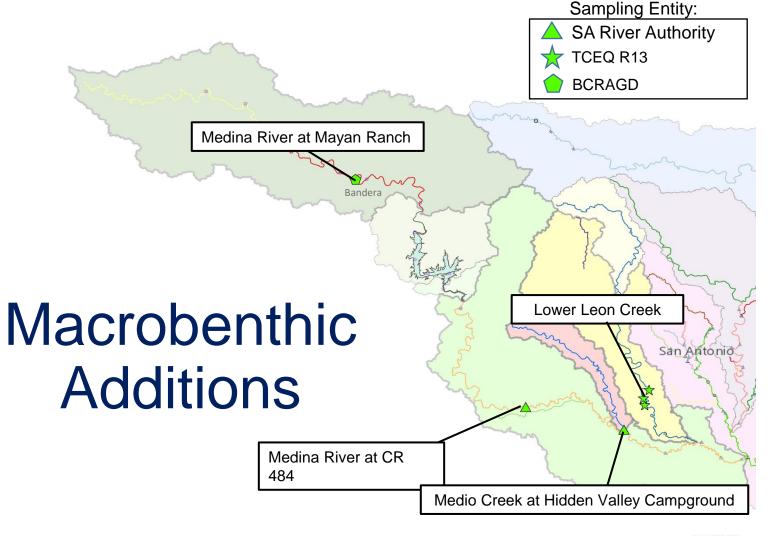






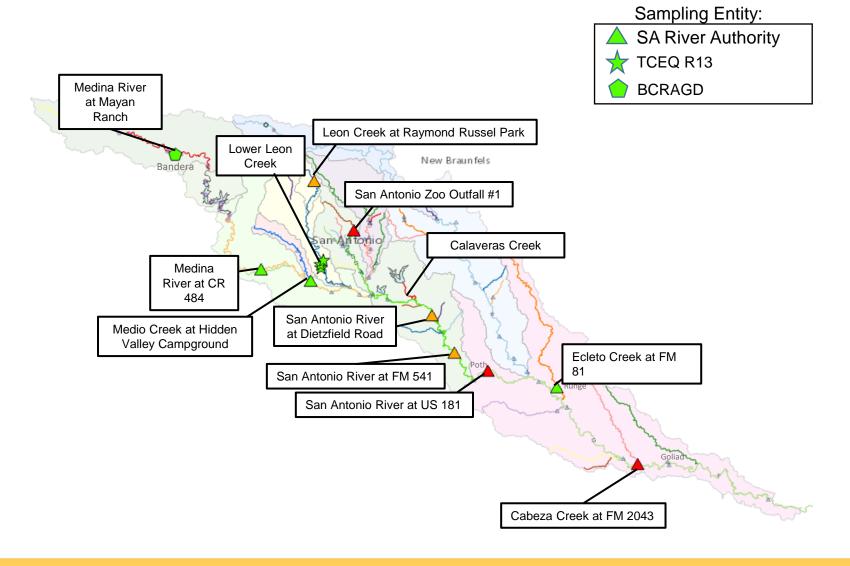






Esri, HERE, NPS



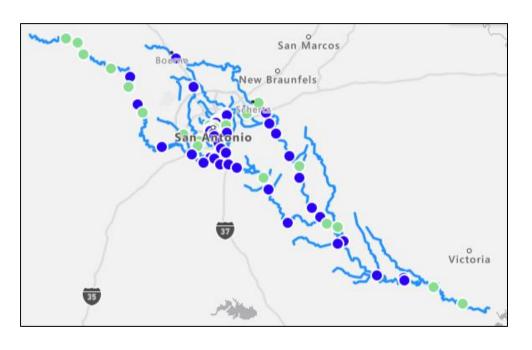








#### Legacy Sites



- Longevity
- Data stability
- Segment representation
- Gaps in record
- Presence in AU
- Flow availability
- Accessible



#### Summary of Changes

SARA Sampling Stations	Change	FY 24 Net Differences	
Water Quality			
San Antonio Zoo Outfall #1	-1		
San Antonio River at US 181	-1	-2	
Cabeza Creek at FM 2043	-1		
Ecleto Creek at FM 2043	+1		
Biological Communities			
Medina River at Mayan Ranch	+1		
Medina River at CR 484	+1	+4	
Medio Creek at Hidden Valley Campground	+1		
Leon Creek fish tissue advisory area	+1		
Dissolved Oxygen	. 4		
Ecleto Creek at FM 2043	+1	+1	



