

# 2020 CRP Steering Committee Meeting

March 24, 2020



Mission Reach Intensive Survey: First ever documented case of the Texas Logperch in the Upper San Antonio River Mission Reach.



Conquista Crossing in the Lower San Antonio River Basin



# CRP Overview, Goals, and Objectives



# CRP Overview

Established in 1991, 72nd Legislature  
enactment of Senate Bill 818

15 agencies monitoring and assessing  
WQ in 23 Texas river and coastal basins

Partially funded by fees on wastewater  
discharge and water rights permits

Coordinates regional resources to  
identify and address WQ issues in the  
SAR Basin

SARA, Bander County River Authority  
& Groundwater District, TCEQ





*2019 Jenna Lopez, Hutton Intern*

# 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 governments, industry, and citizens.





# CRP Objectives

Provide Quality-Assured Data to the TCEQ for Use in Water Quality Decision-Making

Identify and Evaluate Water Quality Issues and promote Cooperative Watershed Planning

Inform and Engage Stakeholders

Maintain Efficient Use of Public Funds

Adapt Program to Emerging Water Quality (WQ) Issues



*ESD Intern Carly Martinez*







San Antonio River at  
Woodlawn Avenue

# Recent Accomplishments



# Recent Accomplishments

2020 Upper & Lower Characterization Report

Draft 2016, 2018, and 2020 Integrated Report Stakehold review

Leveraging of TCEQ, SARA, BCRAGD resources

Provided Quality-Assured Data to the TCEQ for use in water quality regulatory decision-making

Data used in ongoing projects and gained insight into water quality issues



*Holistic Freshwater Mussel Project, Upper San Antonio River*





# Allocation of Resources



Deep Pool Mussel Collection, Upper  
San Antonio River



# Four Year Contract

Categories	Original FY18/19 CRP Agreement	Revision #1 \$51,841.00	Revision #2 \$25,000.00	2 to 4 Year Contract Revision #3 \$544,540.00
a. Personnel/Salary	\$ 240,900.00	\$ 259,825.00	\$ 276,716.89	\$ 617,622.29
b. Fringe Benefits ( <b>38%</b> of Labor)	\$ 91,542.00	\$ 98,733.50	\$ 105,152.42	\$ 234,696.48
c. Travel	\$ 8,008.00	\$ -	\$ -	\$ 9,000.00
d. Supplies	\$ 28,000.00	\$ 28,000.00	\$ 29,000.00	\$ 57,000.00
e. Equipment	\$ -	\$ 31,840.00	\$ 31,840.00	\$ 31,840.00
f. Contractual	\$ -	\$ -	\$ -	\$ -
g. Other	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00
h. Total Direct Costs (sum a-g)	\$ 371,450.00	\$ 421,398.50	\$ 445,709.31	\$ 956,158.77
i. Indirect costs ( <b>10%</b> of Labor)	\$ 24,090.00	\$ 25,982.50	\$ 27,671.69	\$ 61,762.23
j. Total Reimbursable Costs (h+i)	\$ 395,540.00	\$ 447,381.00	\$ 473,381.00	\$ <b>1,017,921.00</b>





# Work Plan

## **TASK 1: PROJECT ADMINISTRATION:**

Administrative functions required to support the CRP contract.

## **TASK 2: QUALITY ASSURANCE: QAPP** identifying management activities involving

- Planning
- Implementation
- Assessment
- Reporting
- and Quality Improvement

to ensure collection, analysis, and reporting are of the type and quality needed and expected by the customer.

## **TASK 3: WATER QUALITY MONITORING:**

Focuses on collecting information to characterize water quality in a variety of locations and conditions.



*Freshwater Mussel Propagation Project, Gravid Female*





# Work Plan

**TASK 4: DATA MANAGEMENT:** Manage a QA monitoring database for transfer of data to the TCEQ.

**TASK 5: DATA ANALYSIS AND REPORTING:** Conduct data analysis and develop reports that describe water quality and identify priority water quality issues for further investigation or action.

**TASK 6: STAKEHOLDER PARTICIPATION AND PUBLIC OUTREACH:** Enhance and support participation of stakeholders and promote education and outreach activities that enhance stakeholder knowledge and involvement.





# 2020 Clean Rivers Program San Antonio River Basin Highlight Report

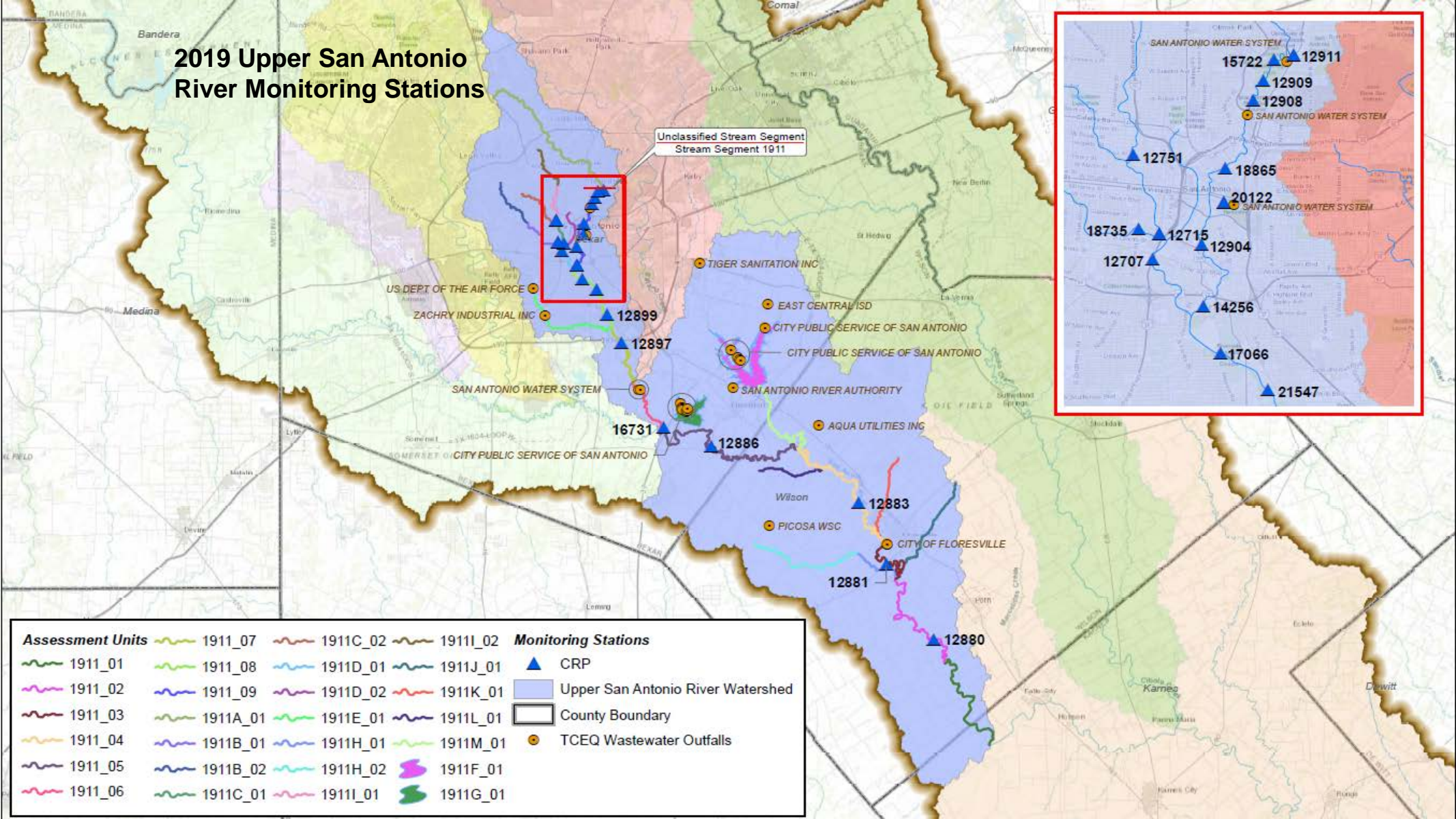
## Watershed Characterizations for the Upper and Lower San Antonio River



Mission Reach Intensive Survey: First ever documented case of the Texas Logperch in the Upper San Antonio River Mission Reach.



# 2019 Upper San Antonio River Monitoring Stations

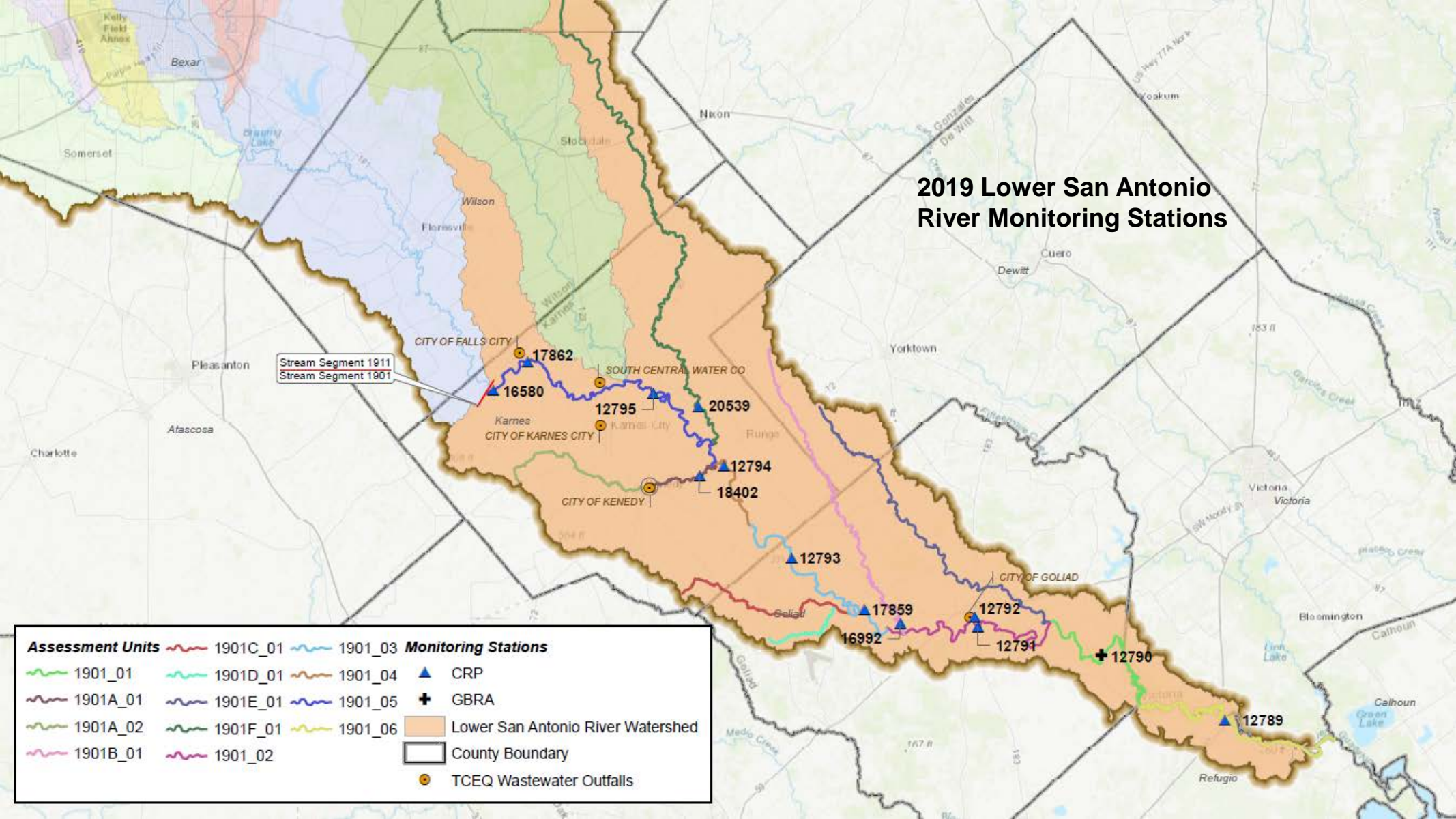
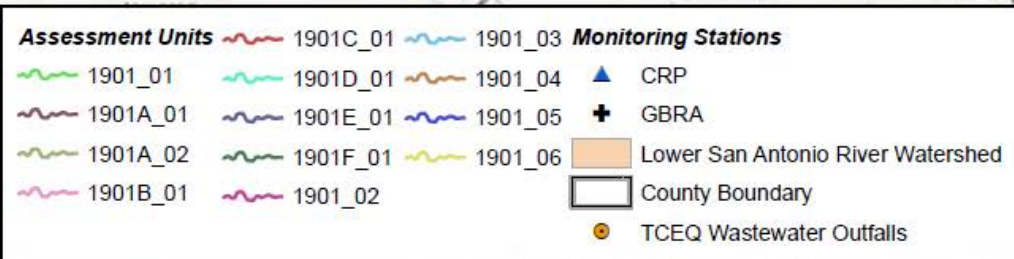


Unclassified Stream Segment  
Stream Segment 1911

Assessment Units		Monitoring Stations	
1911_01	1911_07	1911C_02	1911I_02
1911_02	1911_08	1911D_01	1911J_01
1911_03	1911_09	1911D_02	1911K_01
1911_04	1911A_01	1911E_01	1911L_01
1911_05	1911B_01	1911H_01	1911M_01
1911_06	1911B_02	1911H_02	1911F_01
	1911C_01	1911I_01	1911G_01
		▲ CRP	
		■ Upper San Antonio River Watershed	
		□ County Boundary	
		● TCEQ Wastewater Outfalls	



## 2019 Lower San Antonio River Monitoring Stations





# USAR Water Quality Projects

Water quality projects are used to preserve, restore, and protect the aquatic health in the San Antonio River Basin, estuaries, bays, and creeks.



Upper SAR Mission Reach Intensive Fish Study



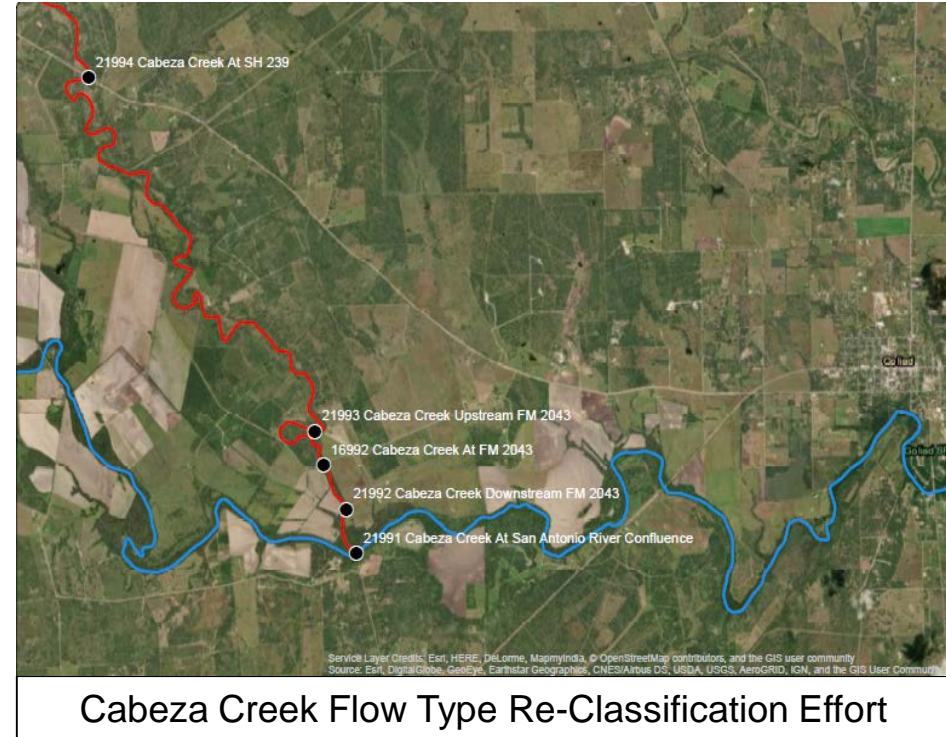
Cabeza Creek Flow Type Re-Classification Effort





# LSAR Water Quality Projects

Water quality projects are used to preserve, restore, and protect the aquatic health in the San Antonio River Basin, estuaries, bays, and creeks.







2020 Coordinate Monitoring



# FY2020 Coordinated Monitoring Meeting

- SARA's CMM was held April 2020
- Maximizing regional efforts
- TCEQ Biennial Texas Integrated Reports (IR)
- Information from CRP partners and the Environmental Advisory Committee stakeholders





# Coordinated Monitoring

FY20				Watershed	FY21			
SARA CRP	Partners	Total Sites Monitored	Biological Nekton		SARA CRP	Partners	Total Sites Monitored	Biological Nekton
12	1-GBRA	13	4	Segment 1901: Lower San Antonio River	12	1-GBRA	13	4
14	1-TCEQ	15	4	Segment 1902: Lower Cibolo Creek	12	1-TCEQ	13	5
6	0	6	2	Segment 1903: Lower Medina River	7	0	7	2
0	5-BCRAGD	5	0	Segment 1904: Medina Lake	0	5-BCRAGD	5	0
0	8-BCRAGD	8	2	Segment 1905: Upper Medina River	0	8-BCRAGD	8	2
3	2-TCEQ	5	2	Segment 1906: Lower Leon Creek	3	2-TCEQ	5	2
3	0	3	0	Segment 1907: Upper Leon Creek	1	0	1	0
2	1-TCEQ	3	2	Segment 1908: Upper Cibolo Creek	0	2-TCEQ 1-Boerne	3	0
0	1-BCRAGD	1	0	Segment 1909: Medina Diversion Lake	0	1-BCRAGD	1	0
7	0	7	4	Segment 1910: Salado Creek	7	0	7	4
21	0	21	6	Segment 1911: Upper San Antonio River	21	0	21	6
2	0	2	2	Segment 1912: Medio Creek	2	0	2	2
3	0	3	0	Segment 1913: Mid Cibolo Creek	3	0	3	0
73	18	92	28	TOTAL	68	21	89	27







# QUESTIONS

**Charles James Stephen Lorea, IV**  
**SARA CRP PM, Water Monitoring Supervisor**  
**[clorea@sara-tx.org](mailto:clorea@sara-tx.org)**



# PRESENTATIONS



**Water Quality as a Function of Land Use  
Bacteria Source Tracking  
SARA Fiscal Year 2020/21 Budget**





# **PRESENTATIONS**

**Water Quality as a Function of Land Use  
Bacteria Source Tracking  
SARA Fiscal Year 2020/21 Budget**