

2019 Clean Rivers Program Steering Committee Meeting

March 7, 2018, 10 a.m. to 2 p.m., 5D Steakhouse and Lounge 130 Boardwalk, Kenedy, TX 78119

COMMITTED TO SAFE, CLEAN, ENJOYABLE CREEKS AND RIVERS



CRP Steering Committee Meeting Agenda

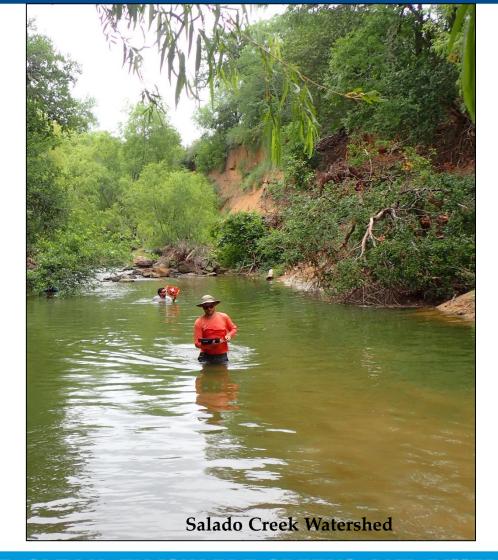
- CRP Overview
- TCEQ Integrated Report
- Budget and Allocation of Resources
- Draft 2019 Basin Update Report
- Coordinated Monitoring Meeting and Schedule
- Presentations





CRP Goal

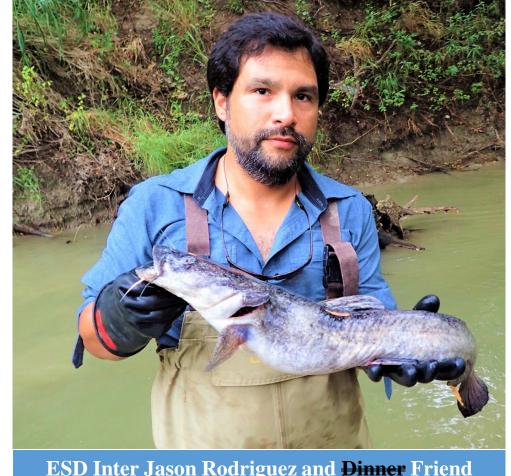
- Partnership
- Watershed Management approach
 - ➤ Identify/evaluate WQ issues
 - ➤ Prioritize/implement corrective actions
 - Adapt to changing priorities





CRP Objectives

- **Quality-Assured Data**
- **Cooperative Watershed Planning**
- **Inform and Engage**
- **Identify and Evaluate WQ Issues**
- **Efficient Use of Public Funds**
- **Adapt Program to Emerging WQ** Issues



ESD Inter Jason Rodriguez and Dinner Friend





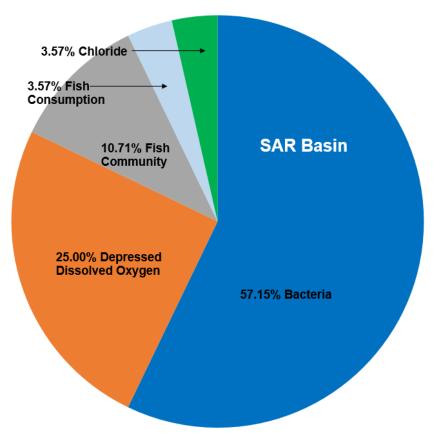
- >aquatic life
- >contact recreation
- ➤ fish consumption
- >public water supply
- ➤ general use

Integrated Report and the TSWQS Designated Uses





SAR Basin Draft 2016 IR Impairments

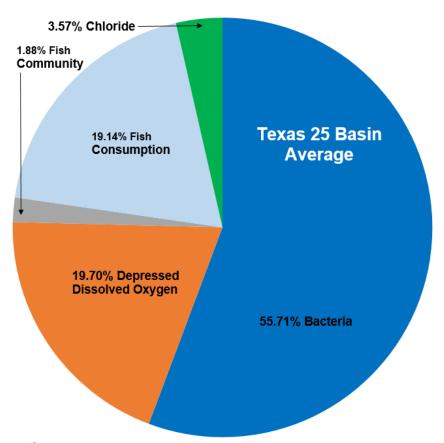


42 segments assessed with 28 Impairments

Impairments	Impairment Segments	Impairment Percentages			
Bacteria	16	57.15%			
Dissolved Oxygen	7	25.00%			
Fish Community	3	10.71%			
Fish Consumption	1	3.57%			
Chloride	1	3.57%			
Total Impairments	28	100.00%			



Texas Basin Draft 2016 IR Impairments



483 segments asses with 533 Impairments

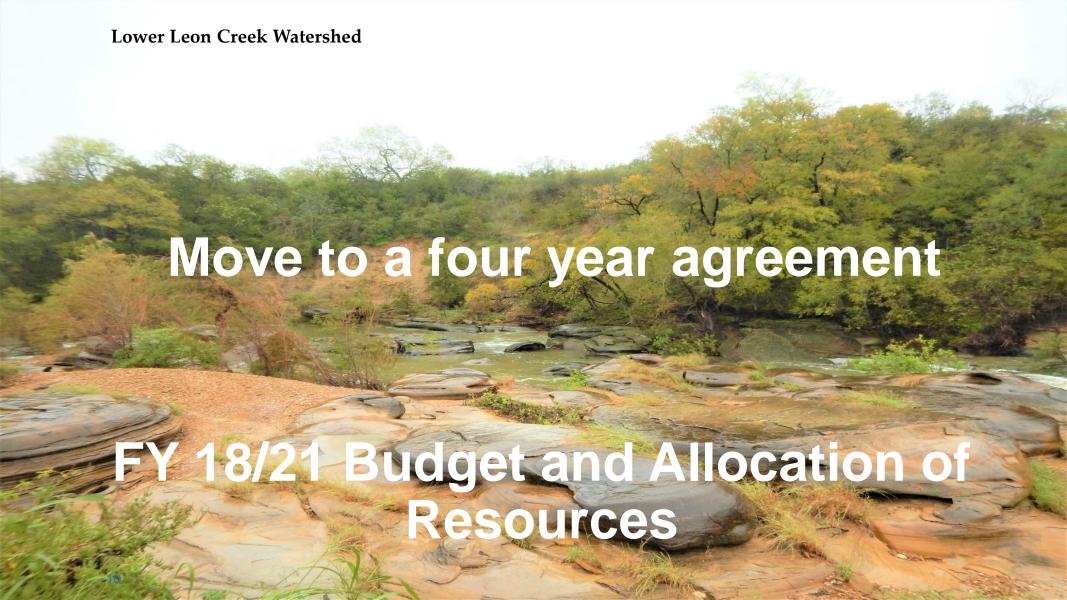
Impairments	Number of Impairment Segments	Impairment Percentages		
Bacteria	297	55.71%		
Dissolved Oxygen	105	19.70%		
Fish Community	10	1.88%		
Fish Consumption	102	19.14%		
Chloride	19	3.57%		
Total Impairments	533	100.00%		



Draft 2016 IR Impairment Comparison Summary

SAR Basin	Element	Texas 25 Basins Averages	
42	Segments Assessed	481	
28	Total Number of Impairments	533	
57.15%	Bacterial Impairments	55.71%	
25.00%	Depressed Oxygen Impairments	19.70%	
10.71%	Fish Community Impairments	1.88%	
3.57%	Fish Consumption Impairments	19.14%	
3.57%	Chloride Impairments	3.57%	
20	Segments with No Impairments	43	





Budget Amendment #3 and the New FY2018/2021 CRP Agreement

Categories	Original FY18/19 CRP Agreement	Revision #1 (\$51,841.00)	Revision #2 (\$25,000.00)	FY2018/2021 Agreement (\$545,540.00)	
a. Personnel/Salary	\$ 240,900.00	\$ 259,825.00	\$ 276,716.89	\$	617,622.29
b. Fringe Benefits (38% 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	\$ 28,000.00	\$	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	\$ 444,709.31	\$	956,158.77
i. Indirect costs (10% 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	\$ 472,381.00	\$	1,017,921.00





San Antonio River Basin 2019 Basin Highlight Update Report



Figure 1: Lower San Antonio River Confluence with the Guadalupe River







Figure 2: The preparation of this report was financed through grants from and in cooperation with the Texas Commission on Environmental Quality

Basin Overview

The San Antonio River Basin is located in south central Texas. While the San Antonio River Authority's political jurisdiction is comprised of four counties (Bexar, Wilson, Karnes and Goliad), the actual basin is consists of all or part of 13 counties. The basin extends north into the Texas Hill country in the lower portion of Kerr County and continues southeast to the Guadalupe River about 10 miles from San Antonio Bay. Most of the basin is rural, except Bexar County, which is in the center of the basin and consists of the City of San Antonio and various smaller municipalities. Five major perennial streams flow into the San Antonio River: Cibolo Creek. Leon Creek, Medina River, Medio Creek and Salado Creek. The Texas Commission on Environmental Quality (TCEQ) divides the streams into 13 designated stream segments.

The Texas Clean Rivers Program

Texas Clean Rivers Program, Senate Bill 818 (SB 818), known as the Texas Clean Rivers Act, was enacted in 1991 by the 72nd Legislature to ensure the comprehensive regional assessment of water quality in each watershed and river basin of the State. This program is administered by the TCEQ and is very different from any other monitoring program in Texas.

The <u>Texas Clean Rivers Program</u> (CRP) creates a partnership with river authorities, local and special area agencies to create a network of monitoring stations that reported data to the TCEQ. Partnering with other agencies created an atmosphere of cooperation, and built bonds and communication between the agencies. Another aspect of the CRP was the early use of stakeholders to guide the program. Currently, the San Antonio River Authority (SARA) uses an Environmental Advisory Committee (EAC) made up of stakeholders from various geographical areas within the basin who represent a variety of professional interests. This group meets quarterly, and is routinely contacted through email. The EAC serves as SARA's CRP Steering Committee and provides input to the CRP and a variety of other SARA projects and programs that have an environmental component.

Perhaps the most unique aspect of the CRP is the attention to quality assurance. Early on, the CRP provided quality control and data management training to its partners as part of its program. By 1996, all work performed under a TCEQ contract involving the acquisition, generation and collection of environmental data was conducted in accordance with a TCEQapproved Quality Assurance Project Plan (QAPP). Current QAPP's must meet all applicable TCEQ and U. S. Environmental Protection Agency (EPA) requirements. The EPA QA/R-5, EPA Requirements for Quality Assurance Project Plans describes a QAPP as a formal document that comprehensively details the required quality assurance and quality control (QA/QC) and other technical activities must be implemented to ensure that the results of the work performed will satisfy the stated performance criteria. The QAPP must provide a project-specific "blueprint" for obtaining the type and quality of environmental data needed for TCEQ regulatory decisions and assessments. The QAPP should identify:

2019 CRP Basin Update Report

Brief updates on 2018 Basin:

- Educational and Awareness Initiatives
- Water Quality Projects and Activities
- Draft TCEQ 2016 Integrated Report
- Accessible Report



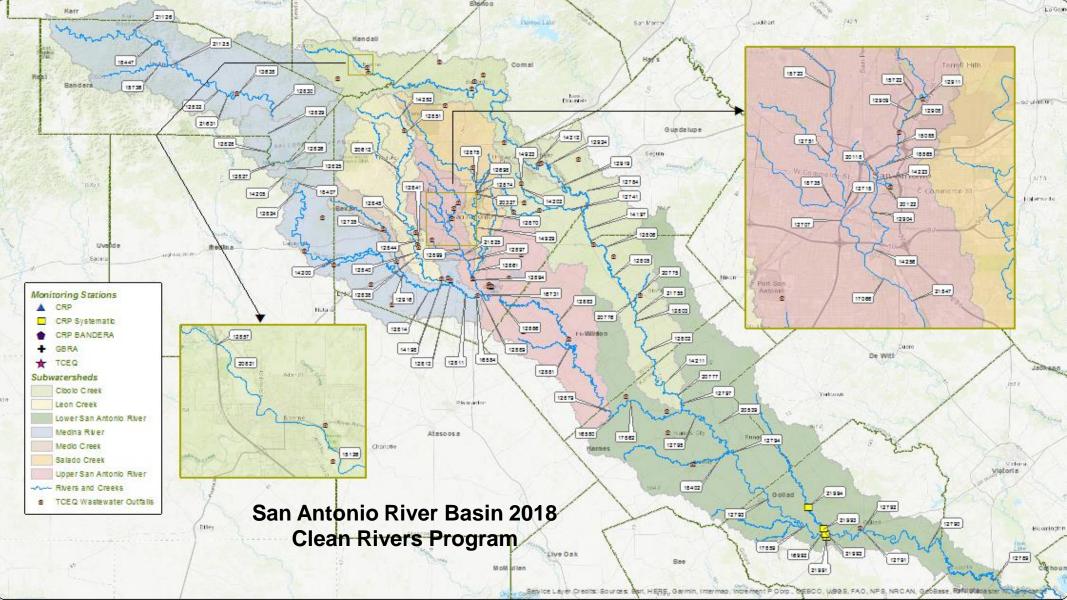
Saı	San Antonio River Basin Highlight Report Cycle				
Year	Report Type				
2013	CRP Basin Summary Report				
2014	CRP Update Report				
2015	CRP Watershed Characterization for Medina River, Leon Creek & Medio Creek				
2016	CRP Standard Highlight Report				
2017	CRP Watershed Characterization for the Upper San Antonio River, Salado Creek & Upper Cibolo Creek				
2018	CRP Basin Summary Report				
2019	CRP Update Report				
2020*	CRP Watershed Characterization for the Upper and Lower San Antonio River				
2021*	CRP Standard Highlight Report				
2022	CRP Watershed Characterization for the Upper/Lower Medina River and Medio Creek				
2023	CRP Update Report				
2024	CRP Watershed Characterization for Upper/Lower Leon Creek, Salado Creek & Upper/Mid/Lower Cibolo Creek				
2025	CRP Basin Summary Report				

^{*}Pending Contract Negotiations

Basin Highlight Report Cycle





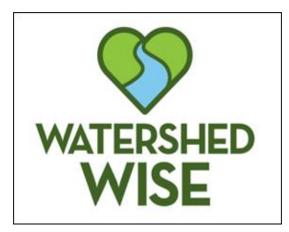


Educational and Awareness Initiatives

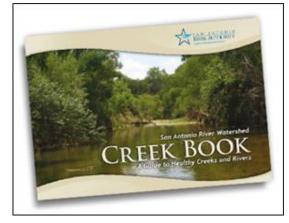
The San Antonio River Authority, TCEQ and CRP partners are passionately committed to the sustainability, preservation, and protection of waterbodies in the San Antonio River Basin.



https://www.sara-tx.org/publicinformation/about-sara/newsletters/



https://www.sara-tx.org/watershed-wise/

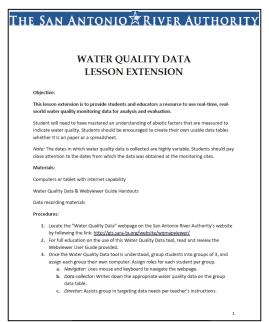


https://www.sara-tx.org/educationoutreach/new-education/creek-book/

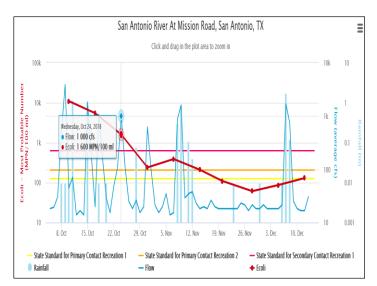


Educational and Awareness Initiatives

The San Antonio River Authority, TCEQ and CRP partners are passionately committed to the sustainability, preservation, and protection of waterbodies in the San Antonio River Basin.



https://www.sara-tx.org/education-outreach/



SARA River Recreation Website

https://www.sara-tx.org/river-recreation/water-quality/



https://www.sara-tx.org/education-outreach/



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.



Approved August 8, 2018

1901_04, 1901_05

Implementation Plan for Five Total Maximum Daily Loads for Bacteria in the Lower San Antonio River Watershed

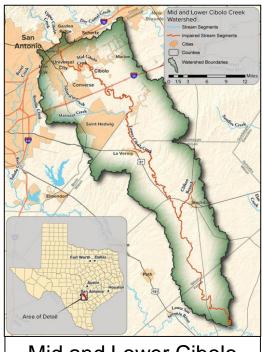
Segment 1901 Assessment Units 1901_01, 1901_02, 1901_03,

Prepared by the San Antonio River Stakeholders

With Support from the TMDL Team, Water Quality Planning Division,
Office of Water

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

https://www.tceq.texas.gov/assets/public/waterquality/tmdl/34lowersa/34-lsar-iplan-approved.pdf



Mid and Lower Cibolo Creek WPP

http://cibolo.tamu.edu/



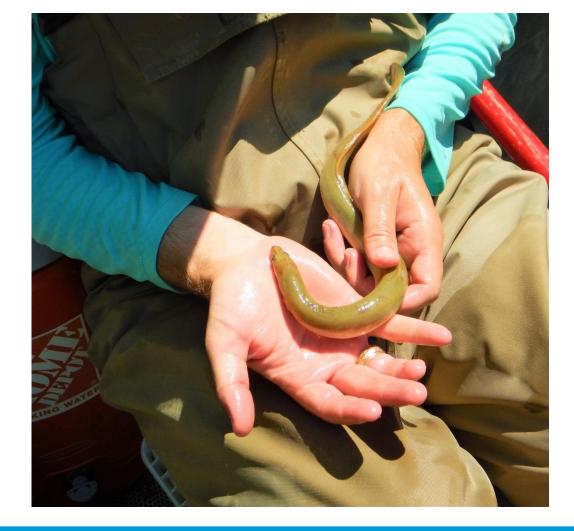
Feral Hog Management Program

http://www.tpr.org/post/san-antonio-river-authority-offers-feral-hog-help-landowners



FY19 Coordinated Monitoring Meeting

- SARA's CMM will be held April 3, 2019
- Maximizing regional efforts
- TCEQ Biennial Texas Integrated Reports (IR)
- Information from CRP partners and the Environmental Advisory Committee stakeholders





Coordinated Monitoring

	FY	′19			FY20				
SARA CRP	Partners	Total Sites Monitored	Biological Nekton	Watershed	SARA CRP	Partners	Total Sites Monitored	Biological Nekton	
11	1-GBRA	12	4	Segment 1901: Lower San Antonio River	11	1-GBRA	12	4	
14	1-TCEQ	15	4	Segment 1902: Lower Cibolo Creek	14	1-TCEQ	15	4	
8	0	8	2	Segment 1903: Lower Medina River	8	0	8	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	
2	2-TCEQ	4	2	Segment 1906: Lower Leon Creek	2	2-TCEQ	4	2	
3	0	3	0	Segment 1907: Upper Leon Creek	3	0	3	0	
2	1-TCEQ	3	2	Segment 1908: Upper Cibolo Creek	2	1-TCEQ	3	2	
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	
30	0	30	6	Segment 1911: Upper San Antonio River	25	0	25	8	
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	
82	19	101	28	TOTAL	77	19	96	30	





PRESENTATIONS

Steven Schauer, Director of Government and Community Affairs (SARA)

Shaun Donovan, Aquatic Biologist II(SARA)

Bacterial Source Tracing

Bill Harrison, TCEQ Surface Water Quality Monitoring Aquatic Life Monitoring Update

Texas Logperch (Percina carbonaria)

Slide Title

- Text
 - Bullet Points



Section header

