



SAN ANTONIO  
RIVER AUTHORITY

# 2025 Clean Rivers Program

CRP Stakeholder Meeting  
April 18, 2025



# 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 Basin Monitoring



**Committed to Safe, Clean, Enjoyable Creeks and Rivers.**

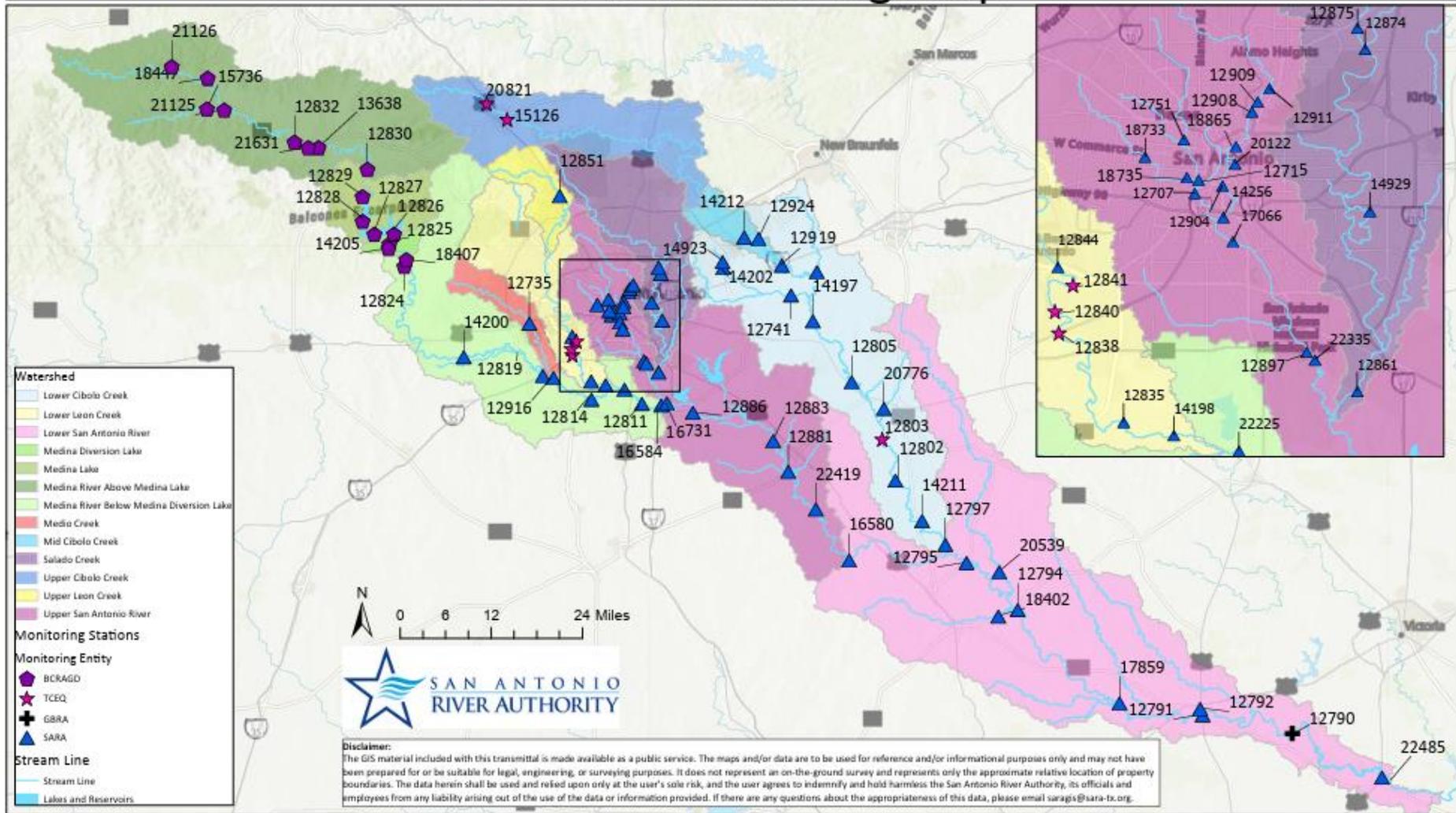
# The San Antonio River Basin Monitoring



# The San Antonio River Basin Monitoring



# FY 2025 Monitoring Map



**Committed to Safe, Clean, Enjoyable Creeks and Rivers.**

# FY 25 Clean Rivers Program

## Routine Monitoring

San Antonio River Authority	53 <b>Sites</b>
Bandera River Authority and Groundwater District	16 Sites
TCEQ (Local Office)	6 Sites
Guadalupe-Blanco River Authority	1 Site
<b>Total</b>	<b>76 Sites</b>



# 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	14 sites	26 events
Benthic macro-invertebrates	6 sites	12 events
Aquatic habitat	14 sites	26 events
24 Hrs. dissolved oxygen, pH, conductivity, temperature	17 sites	32 events



# Coordinated Monitoring Schedule

<https://cms.lcra.org/default.aspx>

## Coordinated Monitoring Schedule

Clean Rivers Program partners and Texas Commission on Environmental Quality routinely monitor the water quality of rivers, lakes, bays and the Gulf of Mexico to determine if state standards are met. This site displays an interactive database that contains more than 1,800 sites monitored in Texas. Select a basin on the map to begin.

[Click here to view all sites.](#)

**Choose Schedule FY:**  
(Fiscal Year is September 1-August 31)

2025



- Basin 1 - Canadian River
- Basin 2 - Red River
- Basin 3 - Sulphur River
- Basin 4 - Cypress Creek
- Basin 5 - Sabine River
- Basin 6 - Neches River
- Basin 7 - Neches-Trinity Coastal
- Basin 8 - Trinity River
- Basin 9 - Trinity-San Jacinto Coastal
- Basin 10 - San Jacinto River
- Basin 11 - San Jacinto-Brazos Coastal
- Basin 12 - Brazos River
- Basin 13 - Brazos-Colorado Coastal

- Basin 14 - Colorado River
- Basin 15 - Colorado-Lavaca Coastal
- Basin 16 - Lavaca River
- Basin 17 - Lavaca-Guadalupe Coastal
- Basin 18 - Guadalupe River
- Basin 19 - San Antonio River
- Basin 20 - San Antonio-Nueces Coastal
- Basin 21 - Nueces River
- Basin 22 - Nueces-Rio Grande Coastal
- Basin 23 - Rio Grande
- Basin 24 - Bays and Estuaries
- Basin 25 - Gulf of Mexico

- TCEQ Region 1
- TCEQ Region 2
- TCEQ Region 3
- TCEQ Region 4
- TCEQ Region 5
- TCEQ Region 6
- TCEQ Region 7
- TCEQ Region 8
- TCEQ Region 9
- TCEQ Region 10
- TCEQ Region 11
- TCEQ Region 12
- TCEQ Region 13
- TCEQ Region 14
- TCEQ Region 15
- TCEQ Region 16



# Texas Clean Rivers Program

- Provides quality assured data for use in decision making.
- Data:
  - TCEQ: <https://www80.tceq.texas.gov/SwqmisPublic/index.htm>
  - SARA website: [www.sariverauthority.org](http://www.sariverauthority.org)
    - River Health
      - San Antonio River Watershed Water Quality Viewer



# SARA Website

The screenshot displays the SARA website interface. At the top left is the San Antonio River Authority logo. To the right is a 'PEOPLE SUSTAINABILITY PLANET' logo. Below the logo is a navigation menu with icons for home, help, information, law, and alerts. The main content area is divided into two columns. The left column contains filter options: 'Current', 'Historic', and 'Recreation' buttons, a 'by Counties' section with a map of Bexar County, and a 'by Watersheds' section with a map of the San Antonio watershed. The right column features a search bar for 'Station ID', a 'Stations Map' showing station locations with colored markers (orange for Current, blue for Historic, yellow for Recreation), and a legend. A sidebar on the right contains a menu with 'STATION', 'DESCRIPTION', 'SEGMENT', and 'WATERSHED' options, and a prompt 'Select a station on the map'. At the bottom, a blue bar shows 'Counties: 9', 'Watersheds: 13', and 'Stations: 272', along with a 'How Can I Help?' link and social media icons.



- Water Quality
- Primary Contact Recreation Use
- Aquatic Life Use
- General Use
- Fish Consumption Use



**Station Name**  
Alazan Creek At Tampico St

**Station ID**  
12715



**Latitude:** 29.413545 **Longitude:** -98.508363



Upstream



Downstream

**Bacteria**



**Aquatic Community**

**Nutrients**

**Suspended and Dissolved Solids**

**DID YOU KNOW?**

Human, pet and cattle bacteria sources are the ones we can most easily prevent.

**How much?**

Primary and secondary recreation standards exceeded above 630 MPN/100 mL

Secondary Contact Recreation—up to 630 MPN/100ml

Primary Contact Recreation 2—up to 206 MPN per/100 ml

Primary Contact Recreation 1—up to 126 MPN per/ 100 ml

Last Sample: 29-Jan-25



**Where does the bacteria come from?**

Based on past studies in Bexar County



# SARA Website

Download Station Details: [CSV](#)

Download Results: [CSV](#)

Filter

Station ID	End Date	End Time	End Depth	Sample Type	Source 1	Tag ID	Provisional	TEMPERATURE, WATER (DEGREES CENTIGRADE) Parameter No. 00010 <input checked="" type="checkbox"/>	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC) Parameter No. 00061 <input checked="" type="checkbox"/>	TRANSPARENCY, SECCHI DISC (METERS) Parameter No. 00078 <input checked="" type="checkbox"/>	SPECIFIC CONDUCTANCE, FIELD (US/CM @ 25C) Parameter No. 00094 <input checked="" type="checkbox"/>
12715	<input checked="" type="checkbox"/> 01/29/2025	11:01	0.3	RT	SA	NST-AB50603	YES	13.9	0.6	> 1.2	530
12715	<input checked="" type="checkbox"/> 11/20/2024	12:17	0.3	RT	SA	SA27630	NO	19.4	0.7	> 1.2	422
12715	<input checked="" type="checkbox"/> 07/22/2024	10:12	0.3	RT	SA	SA27303	NO	28.6	0.0499	> 1.2	682
12715	<input checked="" type="checkbox"/> 05/09/2024	10:08	0.3	RT	SA	SA27097	NO	27.4	0.8	> 1.2	686
12715	<input checked="" type="checkbox"/> 03/05/2024	10:00	0.3	RT	SA	SA26966	NO	21.0	1.0	> 1.2	671
12715	<input checked="" type="checkbox"/> 01/30/2024	11:29	0.3	RT	SA	SA26893	NO	14.9	1.7	> 1.2	734



Filter

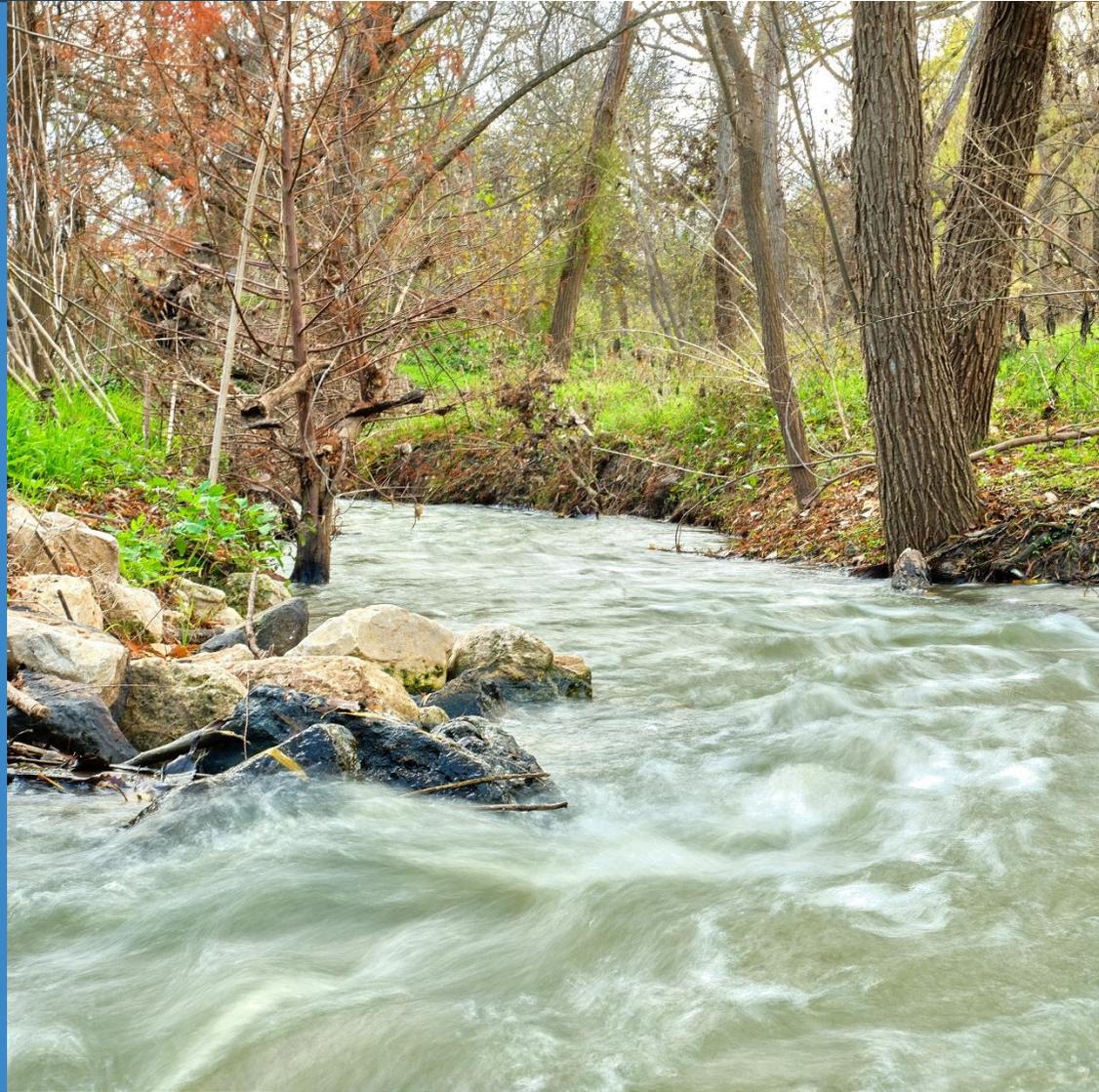


# CRP Data

- 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).



# 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



# SARA's 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.



# Basin Specific Priorities?

- Parameters of concern?
- Special studies?
- Sampling stations?



# 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, TCEQ's appropriations and River Authority Resources.



# Funding FY26-27

<b>BUDGET CATEGORIES</b>	<b>FY 26 9/1/23 - 8/31/24</b>	<b>FY 27 9/1/24 – 8/31/25</b>	<b>Total</b>
<b>Personnel/Salary</b>	\$142,814.00	\$142,814.00	\$285,629.00
<b>Fringe Benefits (38% Salary)</b>	\$58,553.74	\$58,553.74	\$117,107.48
<b>Travel</b>	\$1,421.00	\$1,421.00	\$2,842.00
<b>Supplies</b>	\$4,274.16	\$4,274.16	\$8,548.32
<b>Equipment</b>	-	-	-
<b>Contractual</b>	\$7,000.00	\$7,000.00	\$14,000.00
<b>Other</b>	-	-	-
<b>Total Direct Costs</b>	\$214,062.90	\$214,062.90	\$428,125.80
<b>Indirect costs (10% Salary )</b>	\$21,422.10	\$21,422.10	\$42,844.20
<b>Total Reimbursable Costs</b>	\$235,485.00	\$235,485.00	\$470,970.00

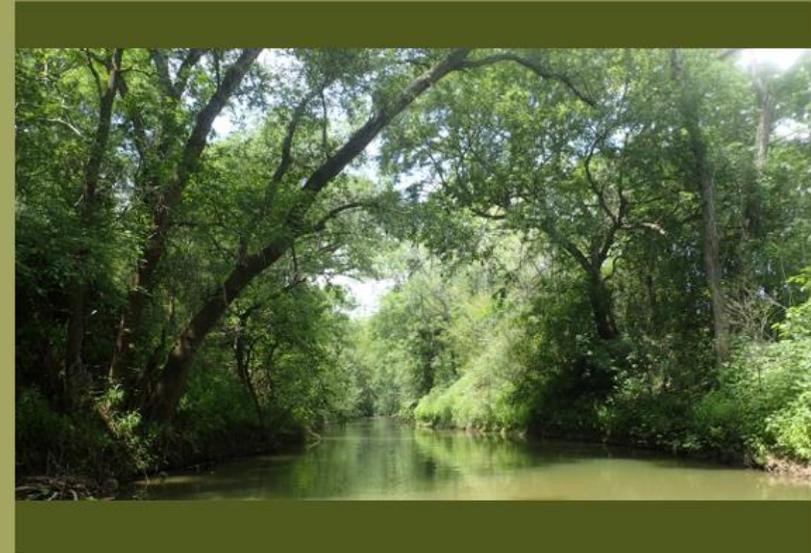


# Draft 2025 Basin Highlights Report

## Watershed Characterization for Cibolo Creek Watershed

### 2025 San Antonio River Basin Highlights Report

#### Watershed Characterization for Cibolo Creek Watershed



# Outreach



# Outreach



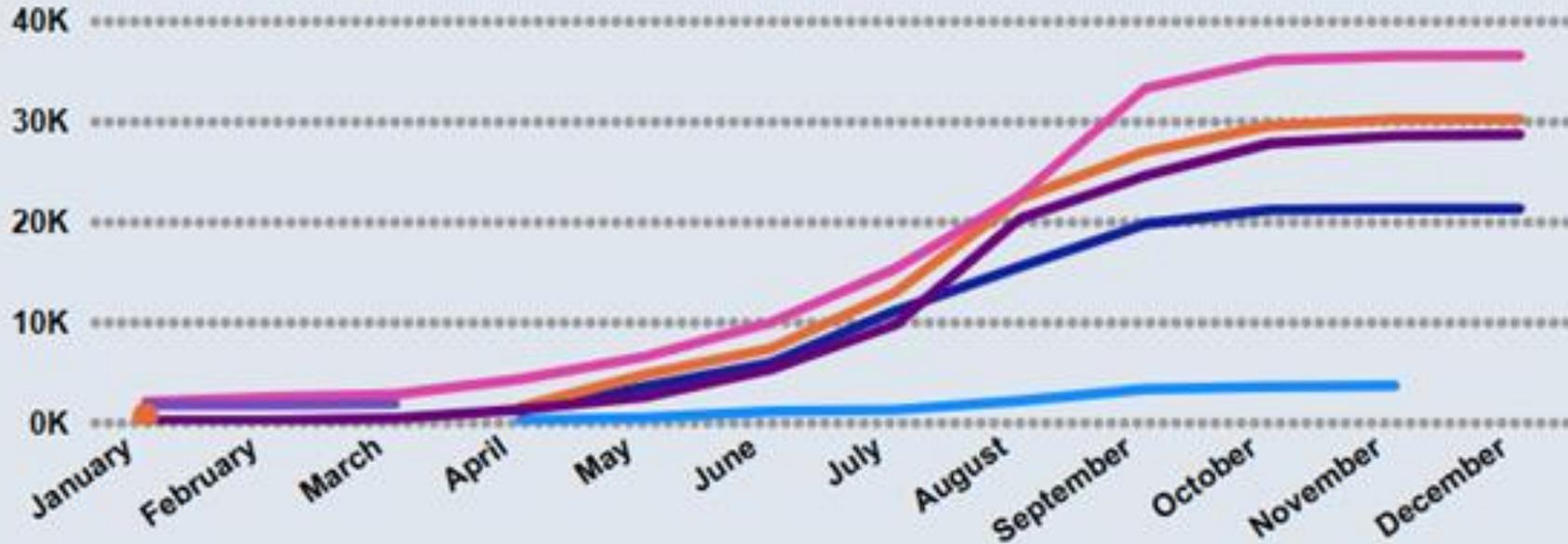
Egg Clutch



Actual Size

## Cumulative Adults & Clutches Removed

Year — 2020 — 2021 — 2022 — 2023 — 2024 — 2025



# Non-CRP Outreach

- Hazardous waste pickup in lower basin
- Support STEM programs
- Park programs
- BioBlitz



# Non-CRP Outreach

[www.sariverauthority.org](http://www.sariverauthority.org)

THU  
7

March 7 @ 9:00 pm - March 9 @ 11:00 am

## Free Camping Weekend – Helton Nature Park

Helton Nature Park 15662 FM 775, Floresville, TX, United States

Come out to Helton Nature Park this weekend for FREE CAMPING! All campsite booking fees waived for this weekend. Free Camping at Helton Nature Park Friday, March 7th - Sunday.

FREE



THU  
7

March 7 @ 6:30 pm - 8:30 pm

## Canceled Campside Cinema at Helton Nature Park

Helton Nature Park 15662 FM 775, Floresville, TX, United States

FREE Event! Campside Cinema at Helton Nature Park Enjoy a night under the stars with a free screening of a movie that will be determined at a later date, at

FREE



THU  
8

March 8 @ 9:00 am - 12:00 pm

## Household Hazardous Waste Event – Goliad County

Goliad Memorial Auditorium Parking Lot Auditorium Drive, Goliad, United States

Household Hazardous Waste Event - Goliad County March 8, 2025 9 am - 12 pm Goliad Memorial Auditorium 325 US-183, Goliad, TX 77963 Please refer to our what to bring

FREE



THU  
14

March 14 @ 8:00 pm - 9:30 am Friday Night Hikes

## Friday Night Hikes – Jackson Nature Park

Jackson Nature Park 9304 County Road 401, Stockdale, United States

Join San Antonio River Authority staff on a nature hike to explore the nocturnal flora and fauna that San Antonio River Authority's nature-based parks call home. Learn about native plants.

FREE



THU  
15

March 15 @ 9:00 am - 11:00 am

## Fin Addict Fishing Clinic at Acequia Park

Acequia Park 8500 Mission Pkwy, San Antonio, TX, United States

FREE Fishing Lessons to the Public & NO FISHING LICENSE needed for this event! Join Fin Addict Angler Foundation and the San Antonio River Authority for an exhilarating morning of

FREE



THU  
20

March 20 @ 8:00 am - March 22 @ 8:00 pm

## 2nd Annual San Antonio River Basin Bioblitz

Hendrick Arnold Nature Park 8950 Fitzhugh Rd, San Antonio, United States

Join scientists from the San Antonio River Authority and partners to assist with biological surveys, observe flora and fauna and get a peek of this new park! March 20-22, 2025





# Questions?

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Scientist  
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**Thank You**



**Committed to Safe, Clean, Enjoyable Creeks and Rivers.**