What makes the San Antonio River Important

Presented to:
American Academy of Environmental
Engineers and Scientists

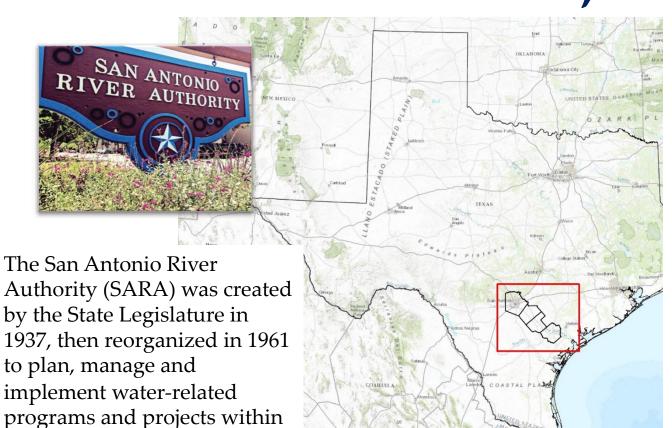
Presentation by:

Suzanne Scott, General Manger

San Antonio River Authority



San Antonio River, Texas



The San Antonio River flows 240 miles (386 km) from its headwaters in highly urbanized San Antonio, Texas (7TH largest US city) through a largely agrarian area to its River. confluence with the Guadalupe The San Antonio River Watershed drains 4,180 square miles (10826 km²) of land.



the San Antonio River Basin.





12,000 Years of Life Along the San Antonio River



Flooding





The San Antonio River Walk





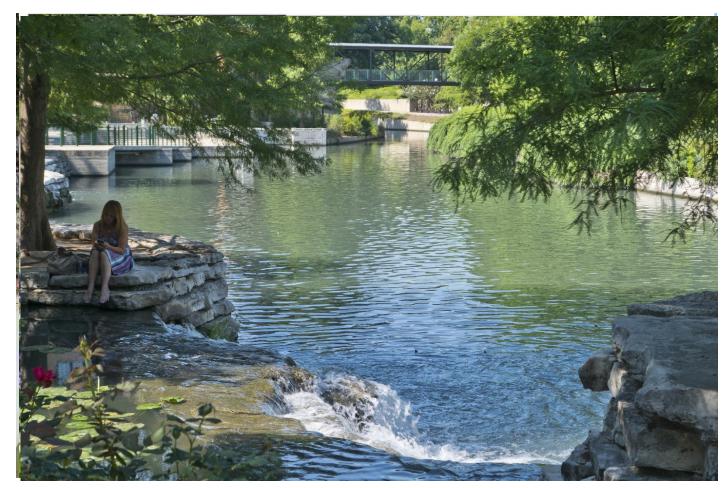
The San Antonio River Walk



Photos: Visit San Antonio



San Antonio River Walk: Museum Reach





San Antonio River Walk: Mission Reach





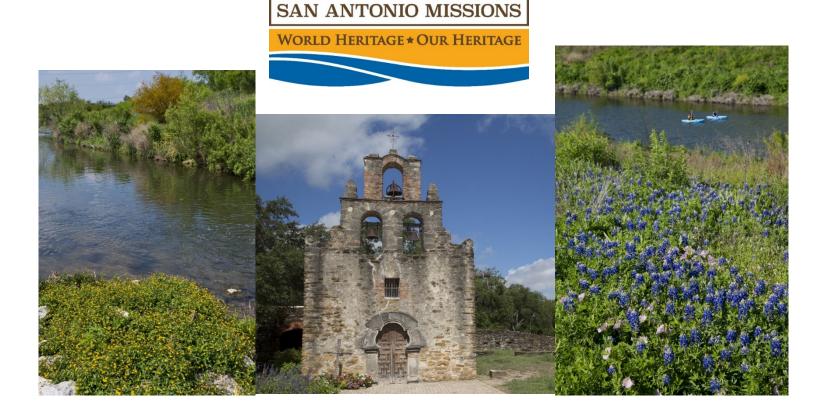




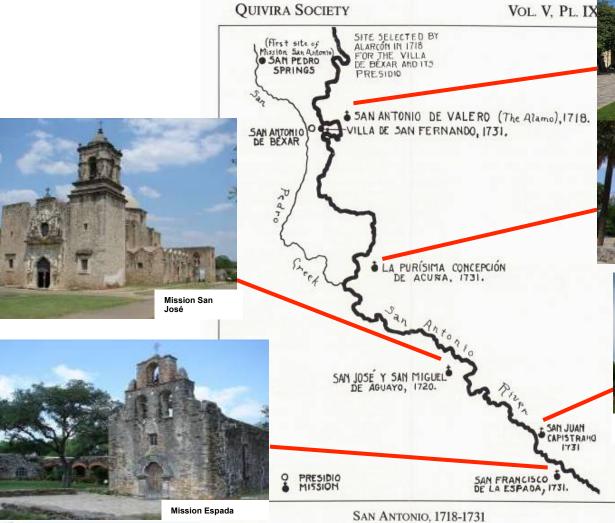
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Mission Reach & World Heritage















Juan

San Antonio Acequias



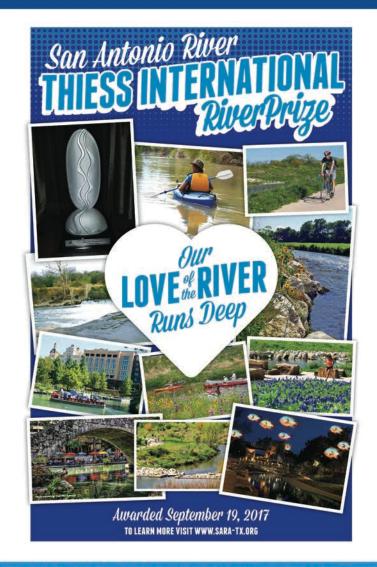


Success Builds Upon Success





- On September 2017, the San Antonio River was awarded the prestigious Thiess International RiverPrize from the International River Foundation
- Previous recipients include the River Rhine, Niagara River, River Thames and the Danube River, to name a few







Clean Rivers Program

- Routine Monitoring
- Fish IBI Monitoring
- BenthicMacroinvertebrate
- ■24 hour DO



2017
Clean Rivers Program
San Antonio River Basin
Highlight Report

Was related Conversional for the Upper San Automia River Salada Convenience Operations Control Materials (1)



SARA Stream Monitoring

- Routine Monitoring
- Mussel Surveys
- River Recreation
 Website Monitoring
- Lower Basin Intensive
 Surveys



SARA Regional Environmental Laboratory

Accredited by TCEQ NELAP in Feb 2008



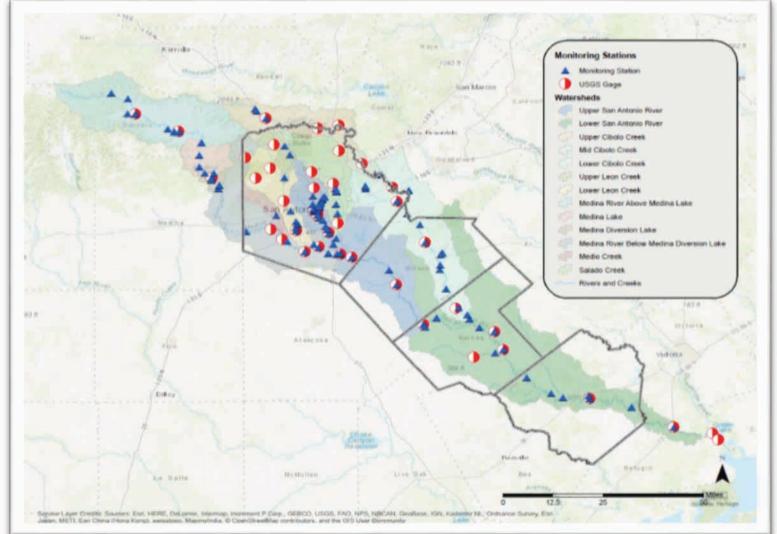
Sample Types Drinking Water

Drinking Water Wastewater Surface Water Sediment

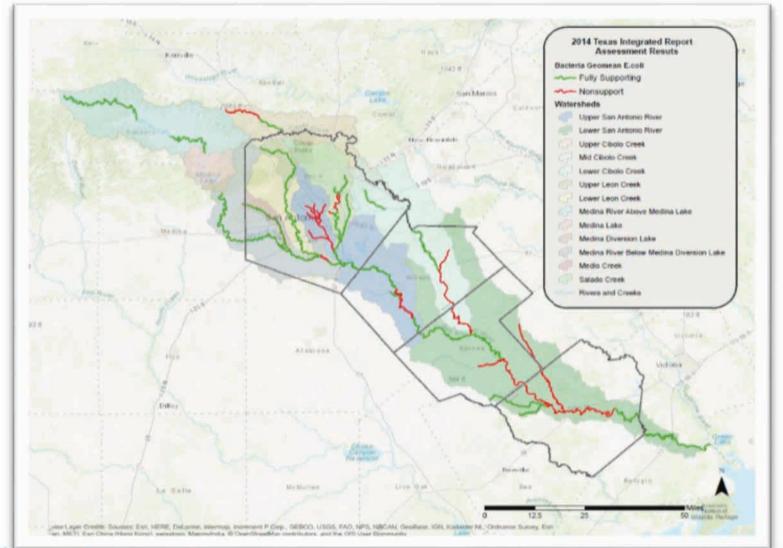
Testing Capabilities

Bacteria
Nutrients
Metals
Bacterial Source Tracking











Instream Flows Verification



Bay and Estuary Support





Holistic Watershed Master Planning



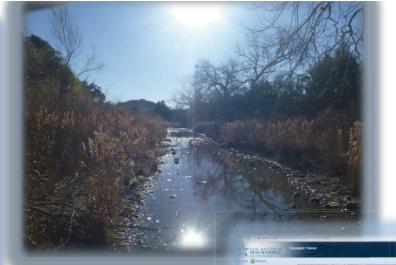


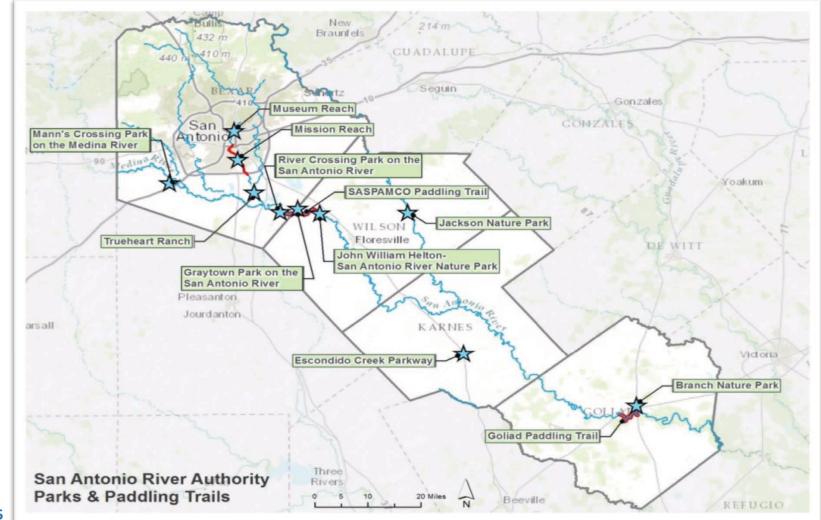
Photo: San Antonio Express-News



Nature Based Parks









- San Antonio has the largest recycled water system in the U.S.
- Recycled water is also used to maintain adequate



The Problem Now



Photo: gordonenergy.com/erosion-control-silt-fences.php







Photo: deeproot.com/blog/blogentries/urban-runoff-negativelyimpacts-stream-biodiversity



Photo: acogok org/Programs_and_Services/ Water Resources/Storm Water.asp



Best Management Practices (BMPs)



Stormwater Capture



Green Roof



Permeable Pavers



Rain Garden



Vegetated Swale



Stormwater Wetland



Citizen Participation and Events







Public Events









CITIZEN SCIENCE *WORKSHOP*

Citizen scientists, like you, help the San Antonio River Authority (SARA) answer some very important questions about our San Antonio River. No experience is necessary to come learn how to become a citizen scientist for SARA. This fun, hands-on, and simple workshop will give anyone the ability to help us get more eyes on the water and collect insightful data about the San Antonio River's Museum Reach and Mission Reach. While the workshop does utilize the FREE and well-renowned iNaturalist (www.inaturalist.org) smartphone application, you do not need to have a smartphone to be a SARA Citizen Scientist. Participants will learn about SARA's goals with citizen science, how to use the smartphone technology and record data, and how to identify wildlife with a simple step-bystep approach. SARA will have binoculars and guides for the activities.



Limited space available! Sign up or inquire further with Carrie Merson, cmerson@sara-tx.org or by phone (210)302-3282.

Date: Saturday November 15, 2014
Time: 10a.m. – Noon
Location: SARA Offices, 100 E. Guenther, San Antonio, TX 78204

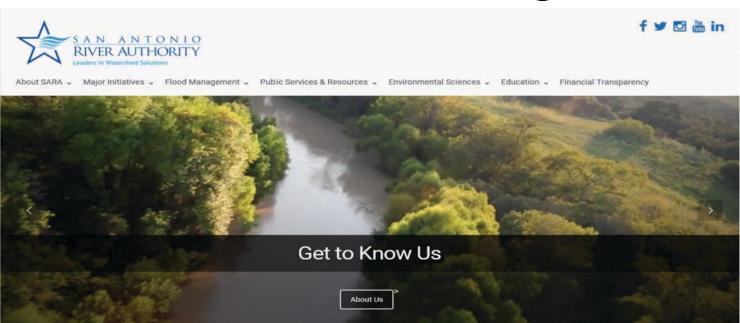
Please be prepared to walk at a slow pace, outside, for approximately 40 minutes along the San Antonio River's paved trails. Smartphone or tablet technology strongly encouraged but not necessary.







www.SARA-tx.org





Find all of our upcoming events, public meetings and educational opportunities



Learn about low impact development and sustainability best management practices



Learn about volunteer opportunities and how you can help at home or at work to do your part



From cycling to paddling to event reservations, learn more about river recreation



Contact Information

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