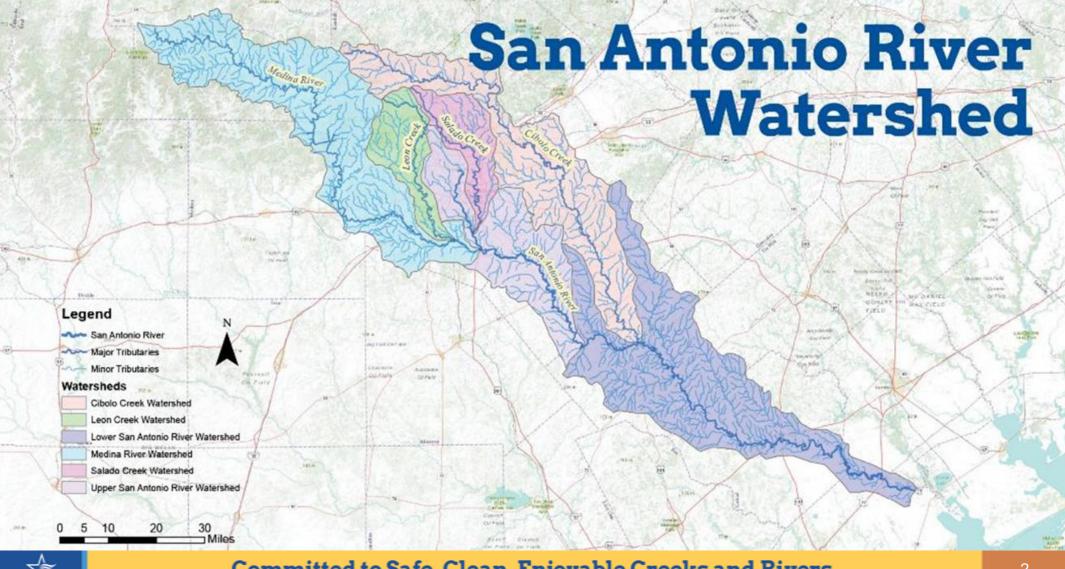


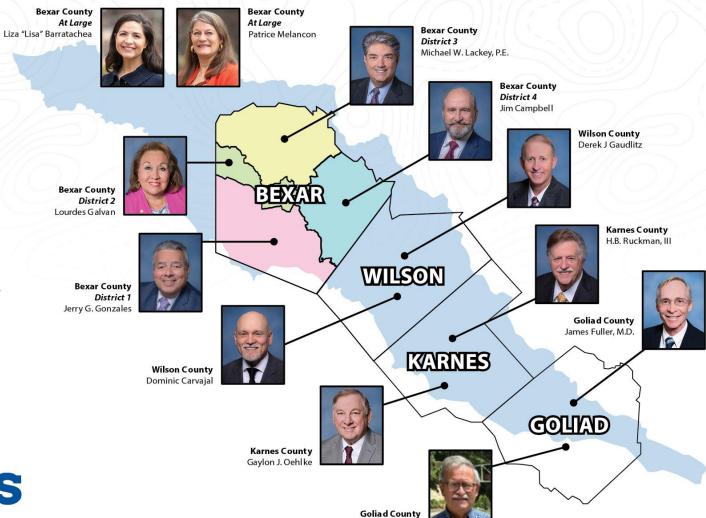
SAME Presentation – June 12th Flooding and the Regional Response

August 21, 2025









John Yochem

Board of Directors

General Manager

Derek Boese, JD, PMP, LEED-AP



River Authority Taxing Authority

Ad Valorem

2 cents per \$100 assessed value

Maximum Allowable Tax Rate **Current Rate**

1.787 cents per \$100 assessed Value Average Annual Tax

\$55.13 per year



Bexar Regional Watershed Management (BRWM) Partnership

- BRWM was formed in 2002.
 - Represents 22 public entities within Bexar County
 - Over \$2 billion in flood mitigation projects implemented
- River Authority invests resources into updating regional floodplain models and FEMA maps, and performs the post-flood analysis





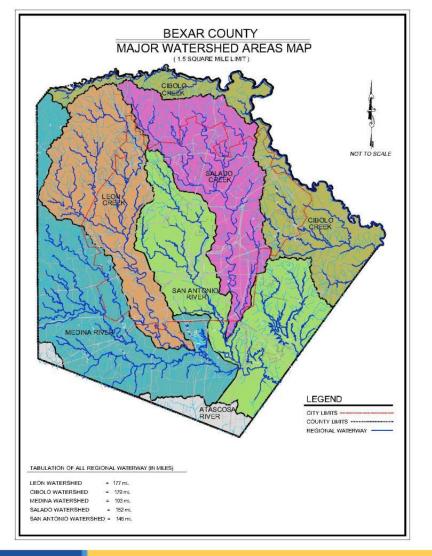
BRWM & Suburban Cities

- Water knows no boundaries
- 20 participating suburban cities
- Other partnering agencies
 - CPS Energy
 - San Antonio Water System (SAWS)

- *Alamo Heights
- ★ Balcones Heights
- **★**Castle Hills
- ★ China Grove
- **★** Converse
- **★** Grey Forest
- ★ Helotes
- ★ Hill Country Village
- ★ Hollywood Park
- **★**Kirby

- ★ Leon Valley
- ★ Live Oak
- ★ Olmos Park
- ★ Schertz
- ★ Selma
- ★ Shavano Park
- ★ Somerset
- ★ Terrell Hills
- ★ Universal City
- ★ Windcrest







BRWM Coverage Area

Watershed	Area	Population
	Sq. Mi.	
Cibolo Creek	204	97,000
Leon Creek	235	278,000
Medina River	290	83,000
Salado Creek	222	349,000
San Antonio River	270	582,000
Total	1221 sq. miles	1,389,000



BRWM Goals

- Improve the quality of life for citizens
 - Protecting life and property
 - Providing for safe transportation during heavy rain and flood events
 - Effectively allocating manpower and resources
- Raise awareness of flood control and water quality projects and programs
- Provide information and education about flooding, water quality issues, and flood insurance
- Utilize updated technology to improve flood analysis and warning
- Address water quality issues collaboratively, rather than individually



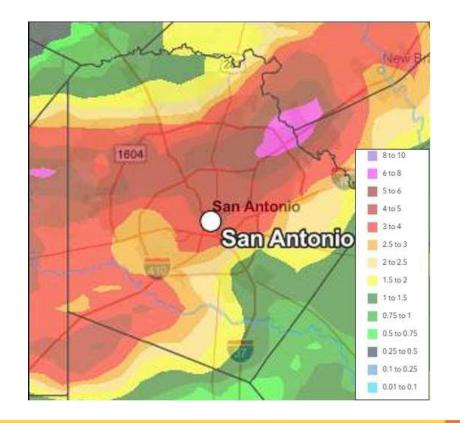
June 12th Rain Event



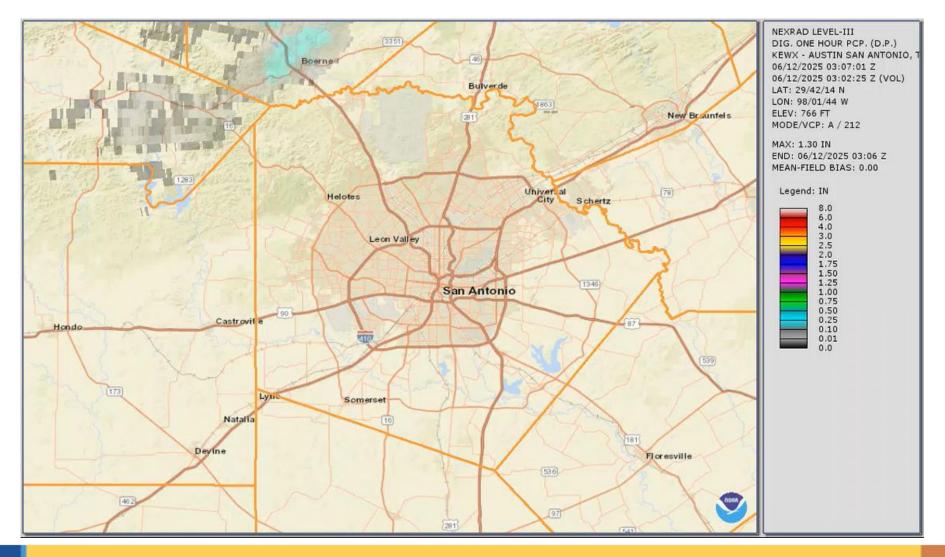
June 11-12 Rainfall Totals

- NWS Story Map
 - Summarizes their analysis of rainfall
 - https://arcg.is/S1Sb



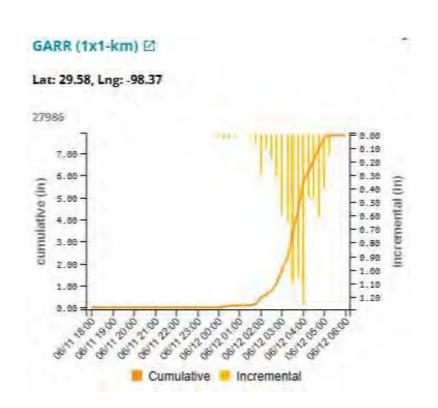


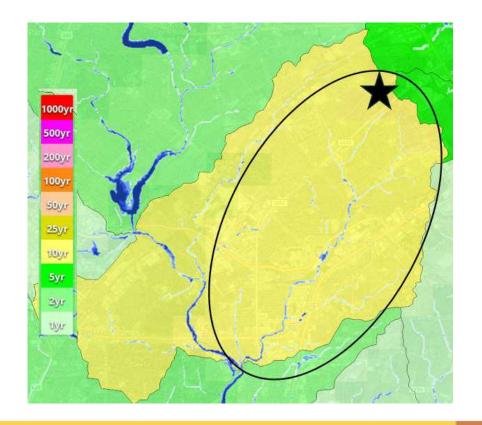






Rainfall in Beitel Creek Watershed







Beitel Creek Floodplain



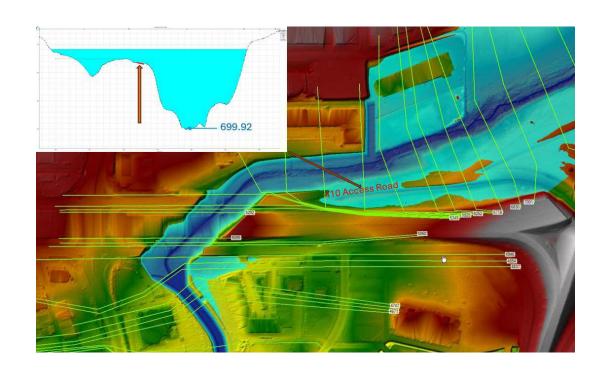
Model Results from High Water Marks





Hydraulics at Loop 410

Approximate depth 2.3 ft





Roadmap to the Future

- Multipronged approach to improve flood readiness
- Goals:
 - Leverage technology for an improved early warning system
 - Reduce or eliminate water rescues at low water crossings
 - Remove structures from floodplain and floodway
 - Create more resilient systems for future conditions



Roadmap Details

- Flood Warning System
 - Eliminate reliance on proprietary technology
 - Expand and improve system of sensors and proactive alerts
 - Decrease time gathering and analyzing data
 - Shorten report time to first responders providing flood information
 - Upgrade Predictive Flood Model (PFM)
 - Enhance flood models for more precise and predictive alerts



Roadmap – Flood Warning System

Immediate

- Restore functionality to all gauges and communications
- Update gauge alert thresholds with additional warning levels

Short-term

- Standardize all programmable and communication equipment
- Install manually closing low-water crossing barricade gates
- Report to a single server, share data with partners
- Single command center, shared access with partners
- Leverage PFM 3.0 for more precise flooding locations and timing

Long-term

- Leverage PFM 3.0 to identify future infrastructure needs
- Automate low-water crossing barricade gates



Future Contracting Opportunities

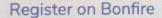
- Fall 2025
 - Refresh pre-qualification professional services lists
 - SCADA Master Plan RFP
- FY 2026-27
 - Flood warning system upgrades and expansion
 - Sheridan Building construction
- FY 2027-28
 - SCADA system improvements
 - Upper Martinez & Martinez II WWTPs rehabilitation work
 - Martinez IV WWTP expansion





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Upcoming Solicitations





Questions?

