

Brazos River Authority Water Management Strategies & System Update

Bell County Water Symposium, November 16, 2022

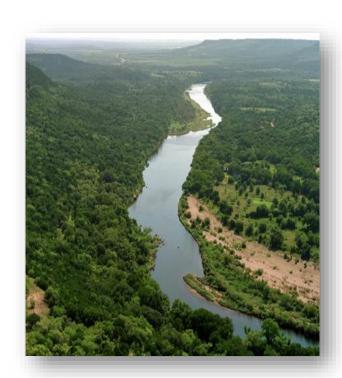
Presented by
David Collinsworth – General Manager & CEO
Brad Brunett, Regional Manager – Central & Lower Basins



Our Mission

To develop, manage, and protect the water resources of the Brazos River basin

- Oldest river authority in Texas
- Created by the Texas Legislature in 1929
- First entity of its kind in the nation
- Self-funded (not appropriated), do not levy taxes
- 21 member Board appointed by Governor
- Territory:
 - Extends from the Texas-New Mexico state line west of Lubbock to the Gulf of Mexico near Freeport
 - More than 42,000 square miles
 - All or part of 76 counties





Our Business

- Raw Water Supply
- Water & Wastewater Treatment
- Water Quality & Environmental Stewardship



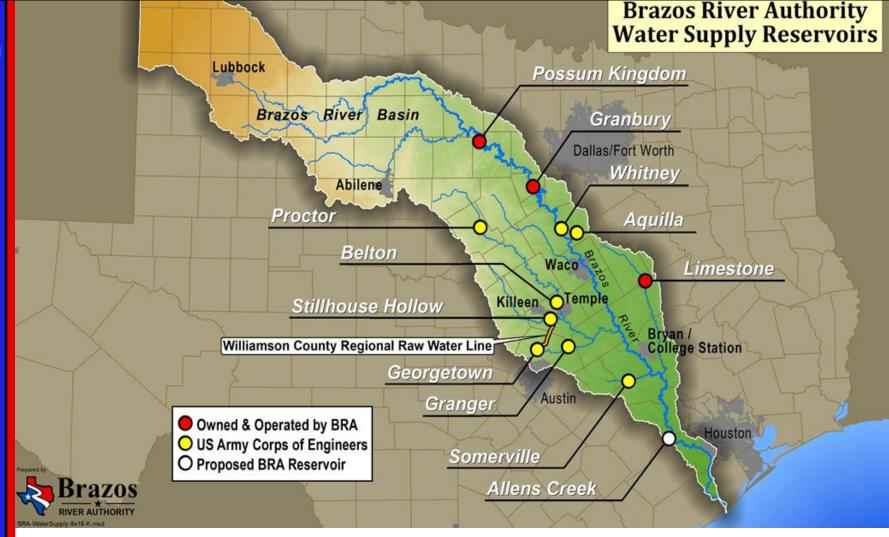




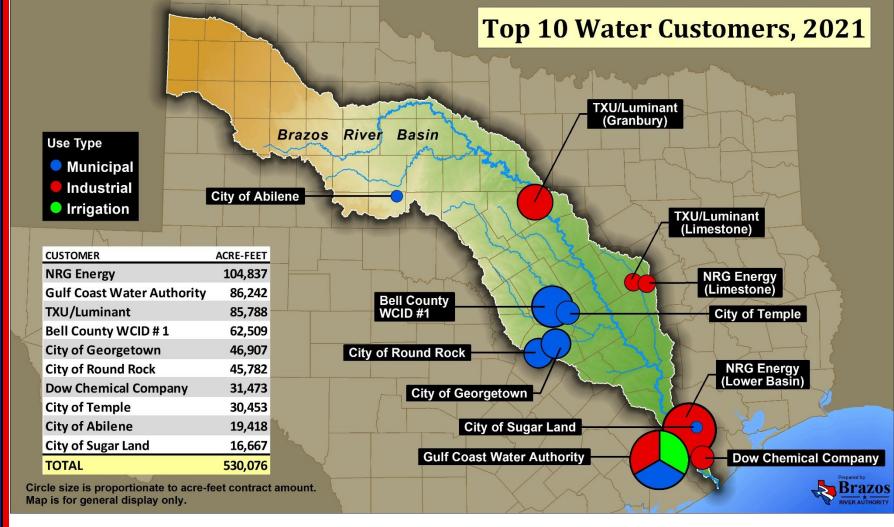


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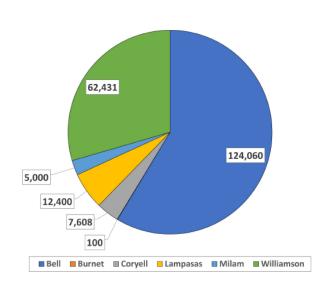




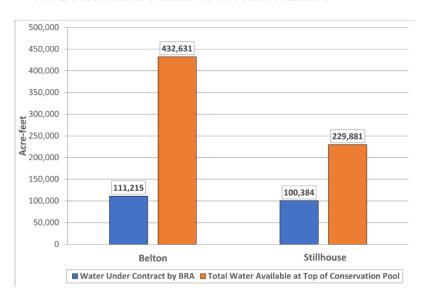
Serving Water Commitments



Current BRA Water Contracts by County for Belton and Stillhouse Hollow Lakes (Acre-Feet)



Water Under Contract vs. Total Available Water for Belton and Stillhouse Hollow Lakes



Belhouse Drought Preparedness Project - Public Meeting

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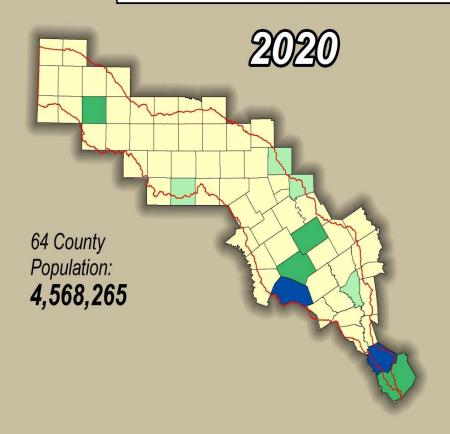
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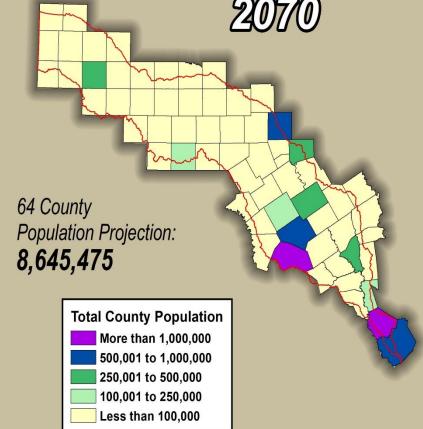
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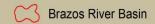


Brazos Basin Population Growth Projected Increase: 4,077,210











Belhouse Drought Preparedness Project Overview

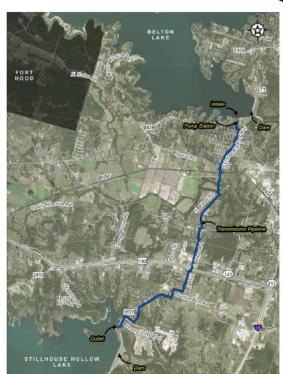


Purpose:

- Improve reliability and resiliency of regional water supplies
- Improve drought preparedness
- Prepare region for continued growth and development

Key Details:

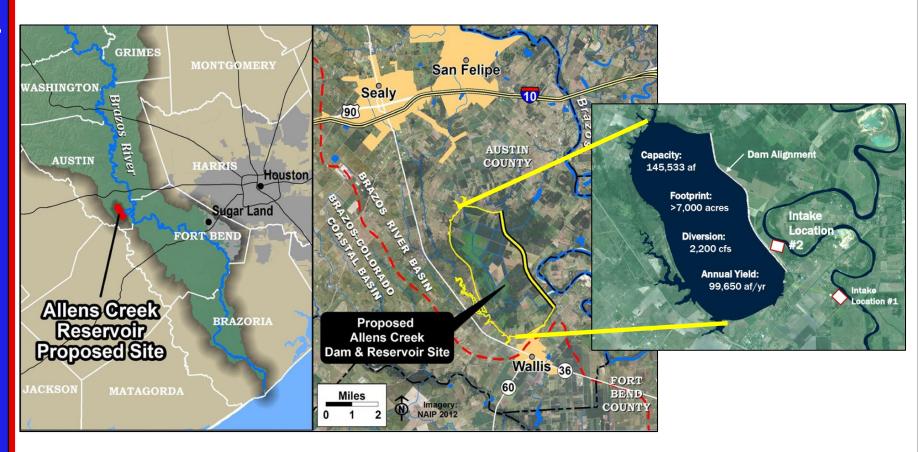
- Construct a water intake at Belton Lake
- Build a water pipeline between Belton Lake and Stillhouse Hollow Lake
- Construct an outlet at Stillhouse Hollow Lake
- Pipeline will only be used during dry times to meet consumer need
- Anticipated Construction Start: 2025





Allens Creek Reservoir

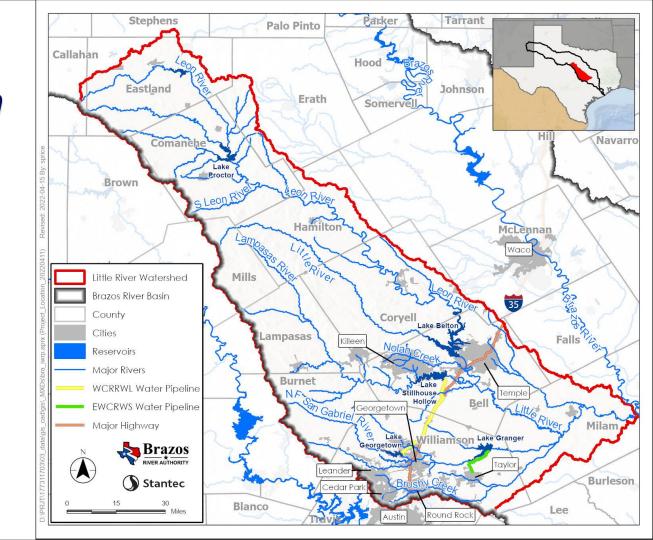
The Brazos River Authority > About Us > Reservoirs > Allens Creek Reservoir (proposed) > Frequently Asked Questions





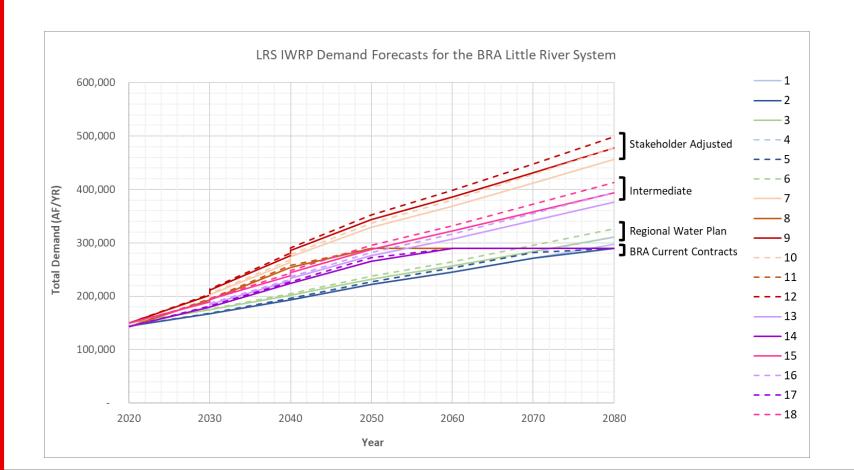
BRA Little River System

The BRA has a high priority need for decision making and action in order to ensure a reliable water supply to customers in the Little River Watershed (Phase 1) and the entire Brazos River Basin (Phase 2).



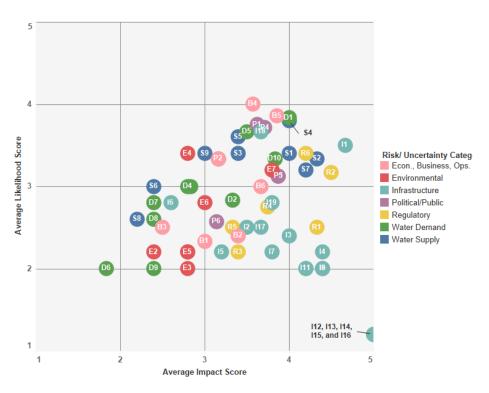


Subtask 1.4 Estimate Future Water Demands



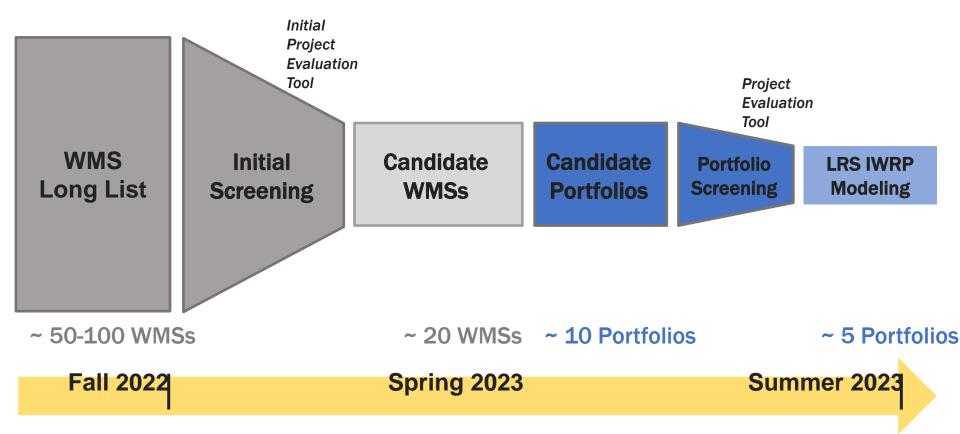


Subtask 1.2 Identify and Prioritize Issues, Risks and Uncertainties



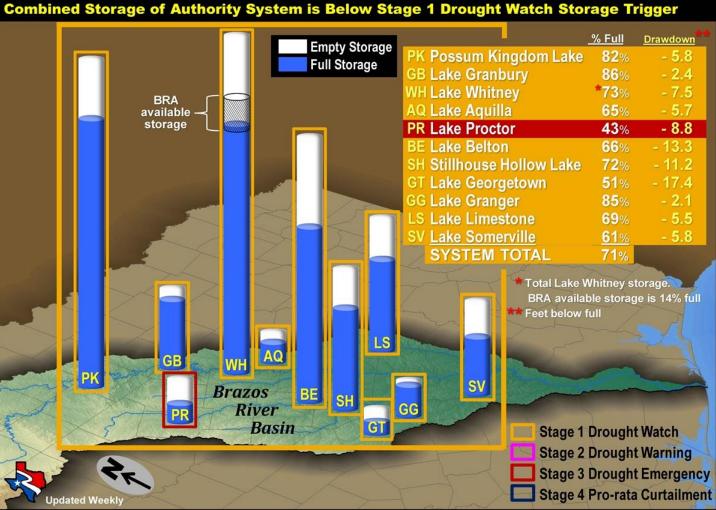
Driver	Description
Dry Climate and Hydrology	Droughts that are more frequent, intense, and/or severe than the historical record, exacerbated by long-term climate variability
High Water Demand	Population growth and water use changes that increase water demands within the LRW
Key Facility Constraints	Year-or-longer outages or capacity constraints for key BRA LRS facilities
Declining Groundwater Sustainability	Physical or administrative changes that could impact groundwater supplies in the LRW
Cost of Future Water Supply Projects	Significant uncertainty around cost of purchasing new water supplies and developing new water supply projects
Regulatory and Stakeholder Issues	Factors outside BRA's control that could delay or prevent a water supply project from being implemented

Water Management Strategy Evaluation Approach



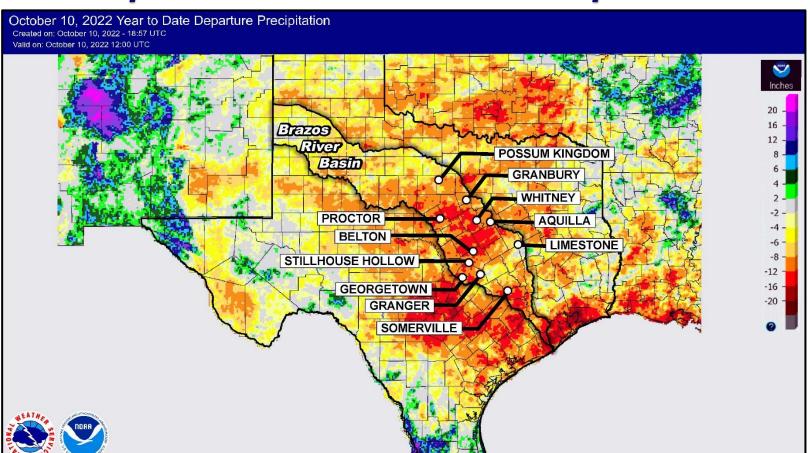
BRA Water Supply Reservoirs "PERCENT FULL" November 9, 2022





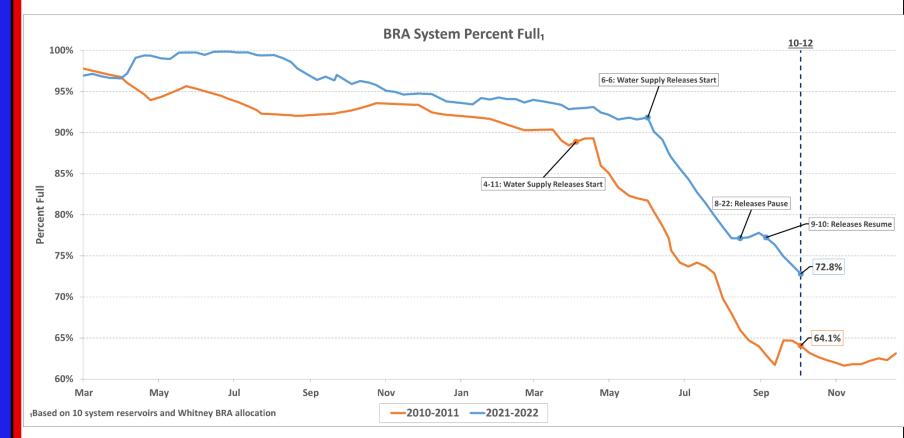


Departure from Normal Precipitation



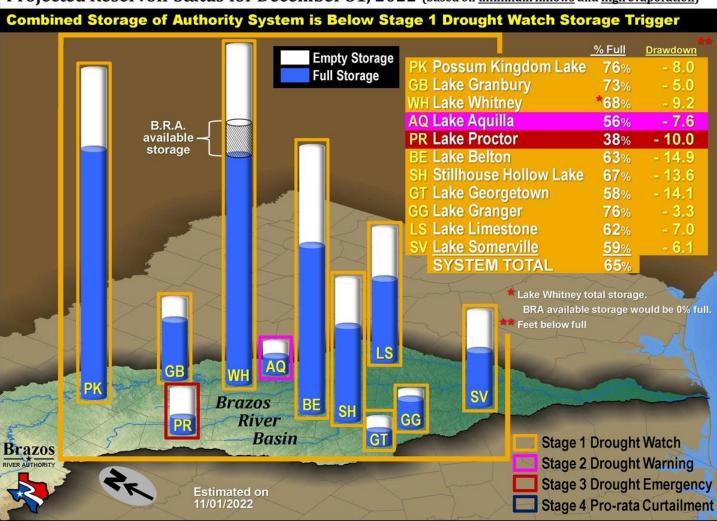


BRA System Storage: 2022 vs. 2011





Projected Reservoir Status for December 31, 2022 (based on minimum inflows and high evaporation)









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www.BrazosBasinNow.org

