

The Future of Blanco County Meeting September 15, 2022

DROUGHT AND GROUNDWATER PUMPING

LESSENING IMPACTS

Robin Gary Watershed Association <u>robingary@wimberleywatershed.org</u>







The Wimberley Valley Watershed Association is a nonprofit organization located in the heart of the Texas Hill Country and born out of a love for water.

Founded in 1996, the Watershed Association has been working to protect Texas water through land conservation, watershed protection, science, environmental planning, and education across the Hill Country.

Current Status and Planning Discussion

DROUGHT

- Drought Monitor
- GCD Drought Status Map
- Water Levels and River Flows

GROUNDWATER USE

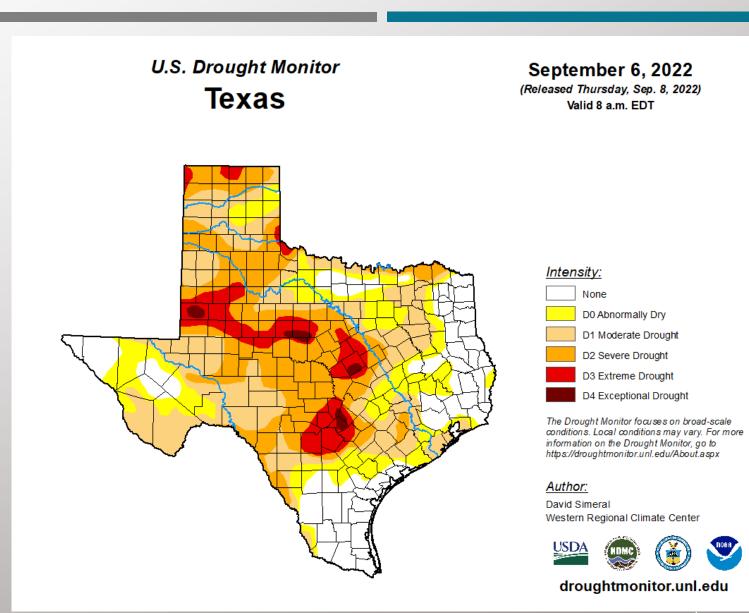
- Groundwater Supplies
- Wells Through Time
- Wells by Use Type

CONSERVATION

- Importance of Water
 Conservation Now
- Successes
- Roles of Organizations
- Lessening Future Drought and Pumping Impacts – Policy Discussion

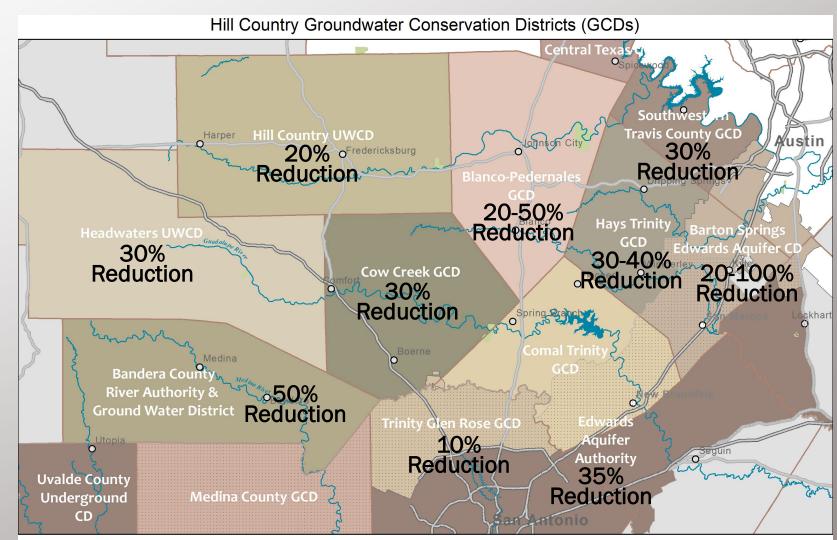


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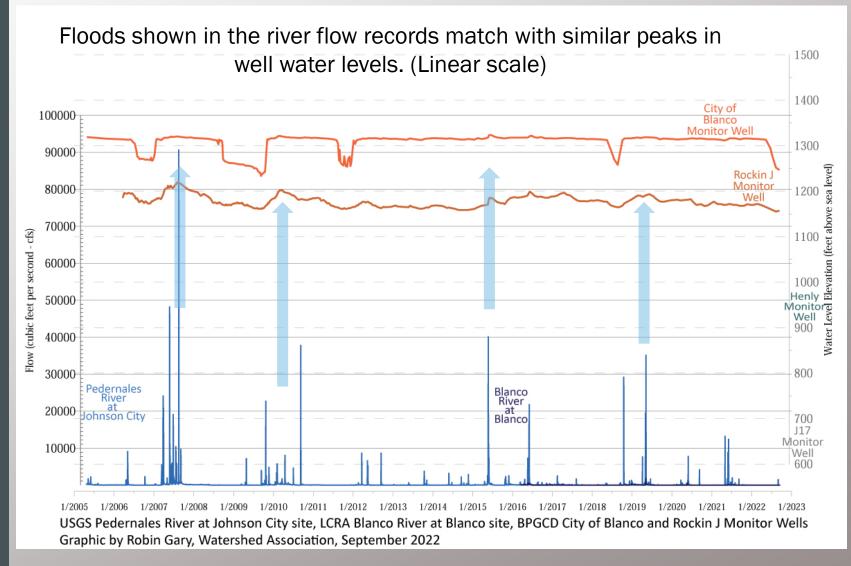


Basemap: Texas Commission on Environmental Quality Groundwater Conservation Districts Robin Gary, the Watershed Association, July 2022

Date compiled: 9/14/2022

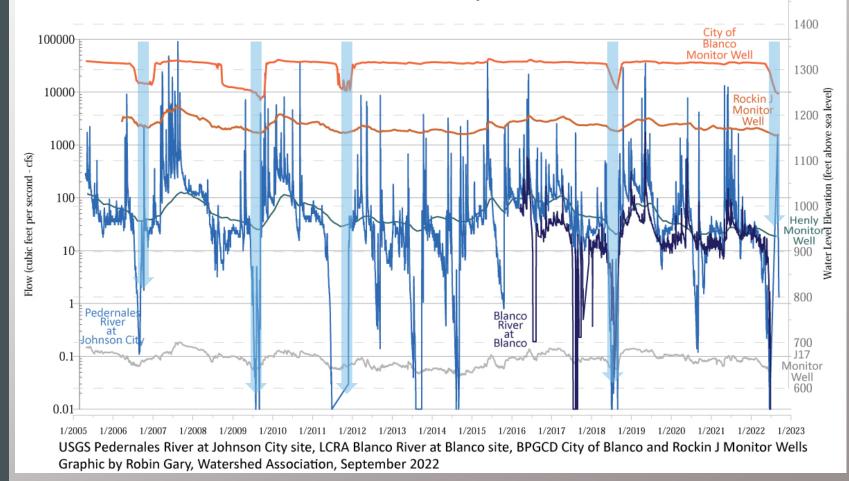


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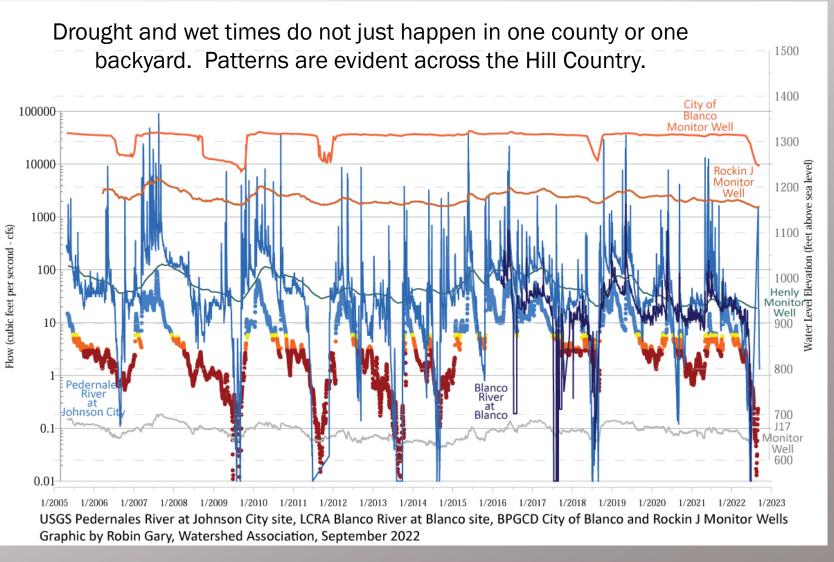
Droughts are more evident using Logrithmic scale for river flows. Groundwater levels across the Hill Country coincide with low river flows.



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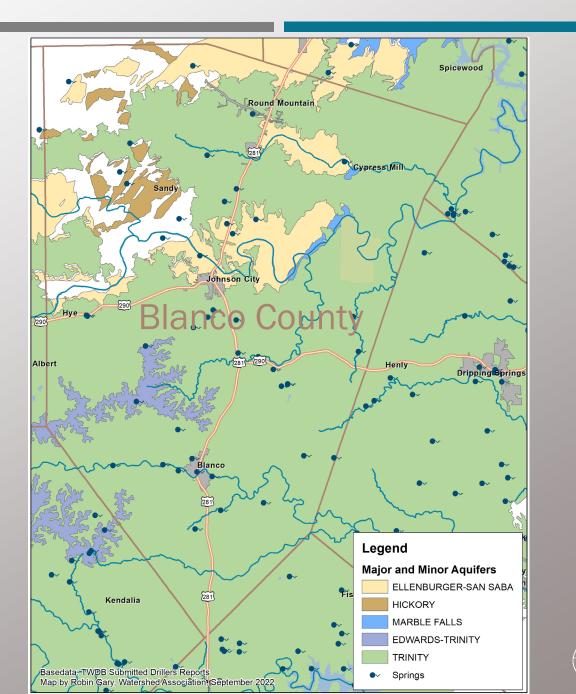
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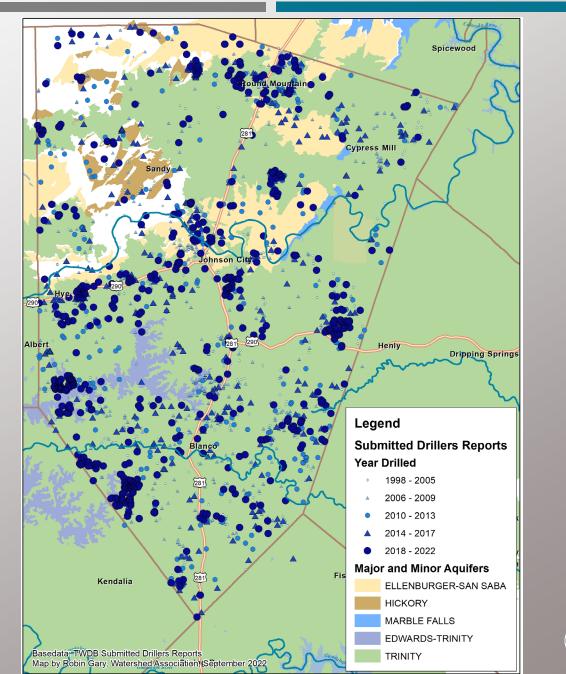
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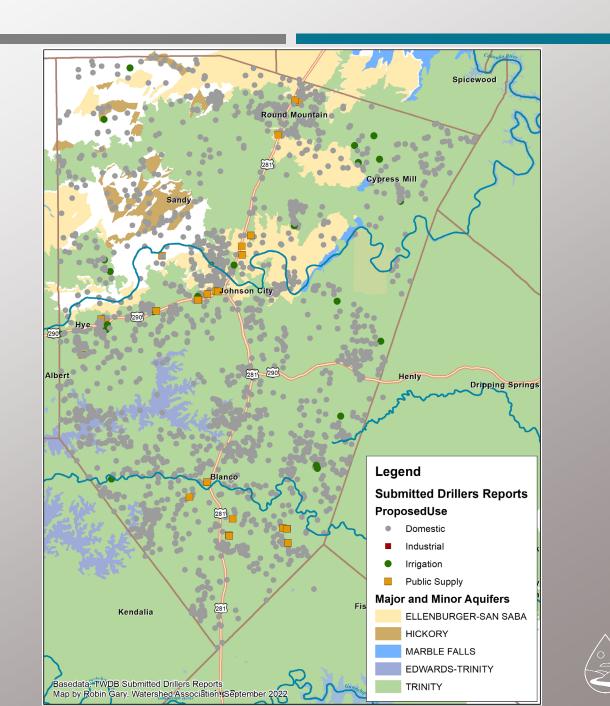
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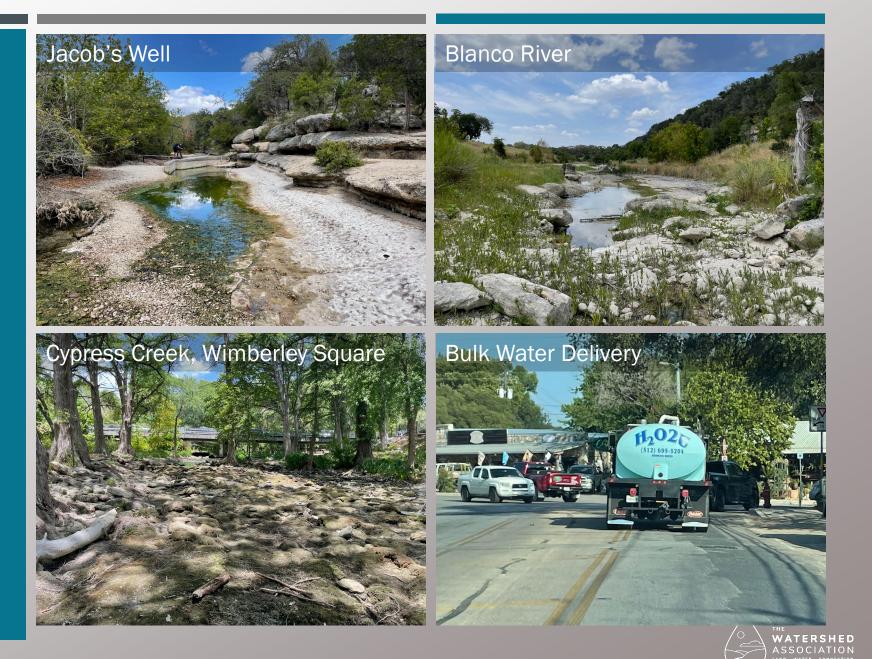
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VATERSHED

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SUCCESSES

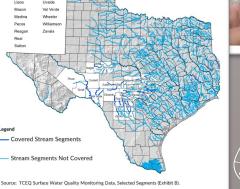
- Cypress Creek Watershed Protection Plan
- Creation of Jacob's Well Groundwater Management Zone
- WISD's One Water School
- Green Infrastructure Projects
- Water Quality, Flow, Groundwater Monitoring
- Blanco Water Reclamation Task Force
- Pristine Streams Protections





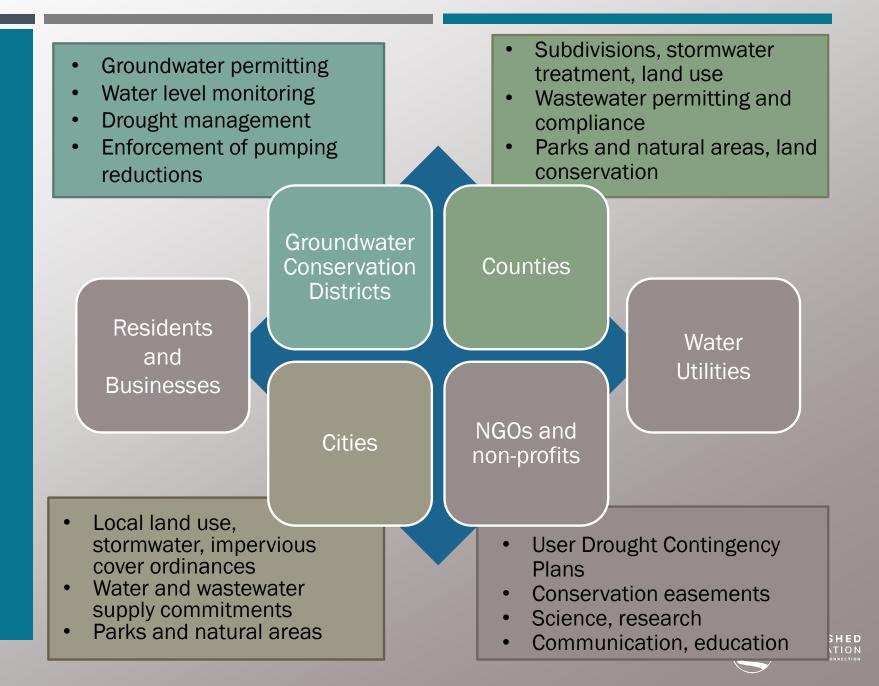
VATERSHED

SSOCIATION



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LESSENING FUTURE DROUGHT AND PUMPING IMPACTS – POLICY DISCUSSION

Groundwater Management

- Enhance GCD drought management tools
- Refine drought triggers for more conservative pumping reductions
- Increase lot size requirements for exempt wells
- Increase well spacing requirements
- Appropriately fund GCDs

Communication

Support the Cypress Creek
 Watershed Protection Plan
 Collaboration

Land Use

- Decrease allowable impervious cover limits
- Increase acreage requirements for OSSF
- Establish Conservation
 Development guidelines to incentivize responsible growth
- Invest in parks and open space
- Review neighborhood CCRs to encourage water wise landscapes
- Enhance multi-agency information sharing for development projects
- Increase public awareness of water issues and conservation priorities

Conservation and Alternate Supply

- Support water utility systemupgrades for leak detection,alternate supplies, and end userwater use
- Support Type 1 wastewater reuse enhancements
- Adjust building code requirements
 to reduce landscape irrigation and
 new pool construction
- Incorporate One Water design
- Encourage rainwater harvesting and AC condensate collection for outdoor use