

Cypress Creek Stakeholders Meeting December 15, 2022

DROUGHT AND GROUNDWATER PUMPING

LESSENING IMPACTS

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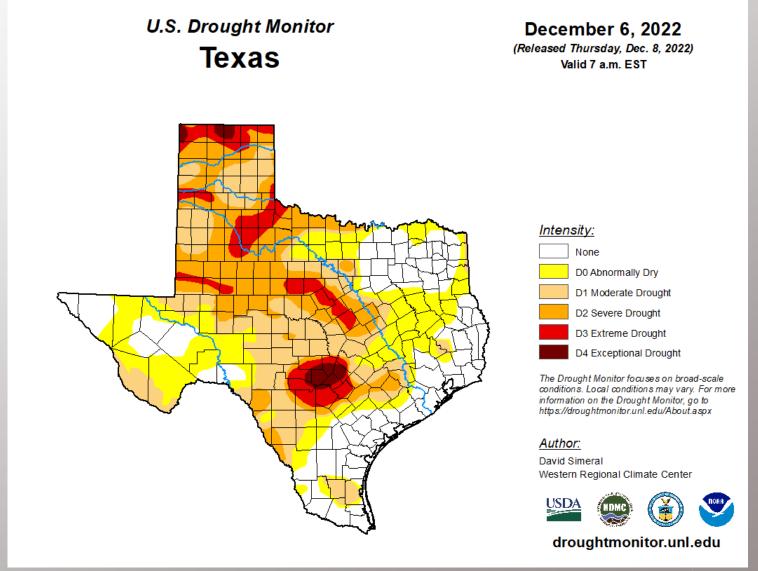




The Wimberley Valley Watershed Association (aka the Watershed Association) is a non-profit organization located in the heart of the Texas Hill Country and born out of a love for water.

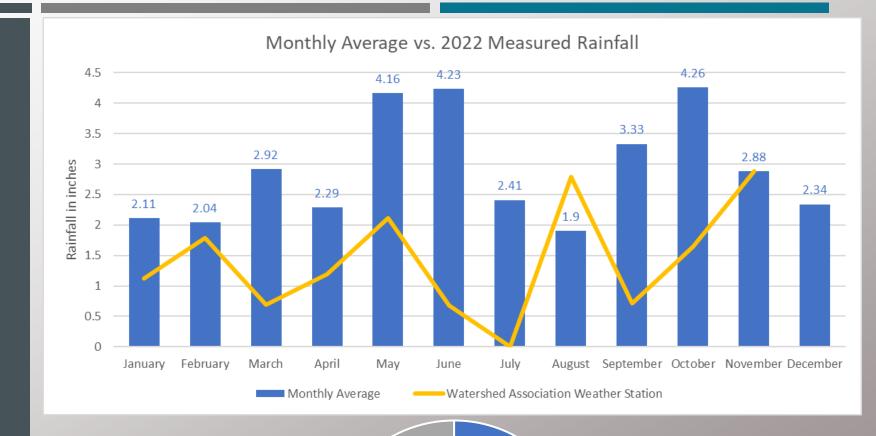
Founded in 1996, the Watershed Association has been working to protect Texas water through land conservation, watershed protection, science, environmental planning, and education across the Hill Country.

- Drought Monitor
- GCD Drought Status Map
- Spring and River Flows
- Monitor Wells





- Drought Monitor
- Rainfall Totals
- Spring and River Flows
- GCD Drought Status Map



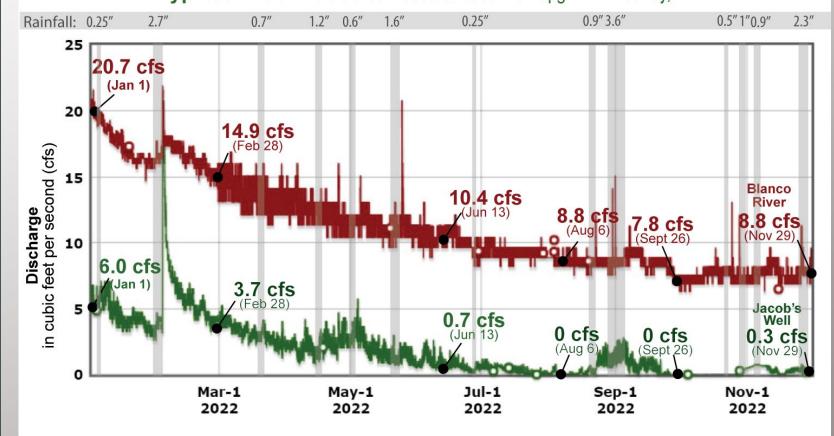
Average Rainfall Jan-Nov 32.5 inches

Rainfall Rainfall Deficit 15.6 inches



- Drought Monitor
- GCD Drought Status Map
- Spring and River Flows

Blanco River: USGS 08170950 Blanco Rv at Fischer Store Rd nr Fischer, TX **Cypress Creek:** USGS 08170990 Jacobs Well Spg nr Wimberley, TX

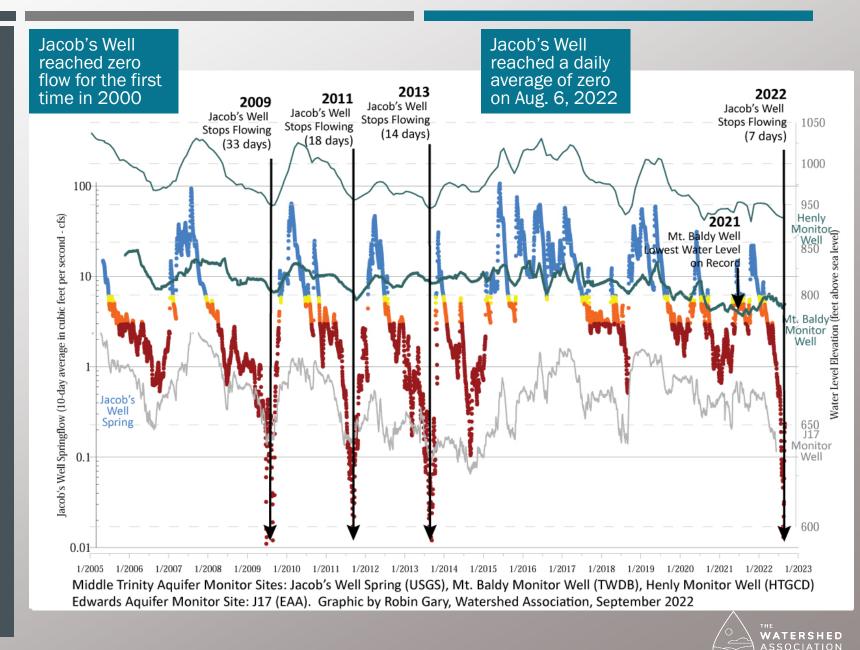


Compiled by the Watershed Association with data from USGS, Hays Trinity GCD, and Edwards Aquifer Authority.

Note: Pleasant Valley and Park Springs provide the Blanco River baseflow measured at the USGS Blanco River site shown above.

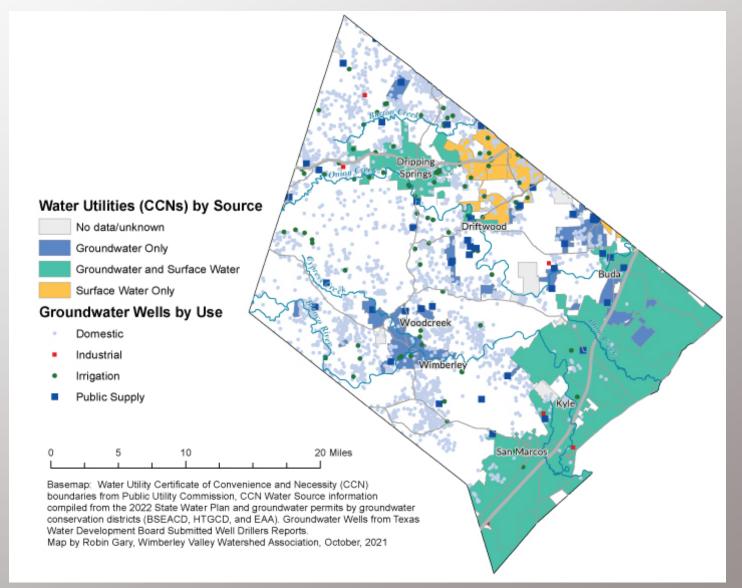


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GROUNDWATER USE

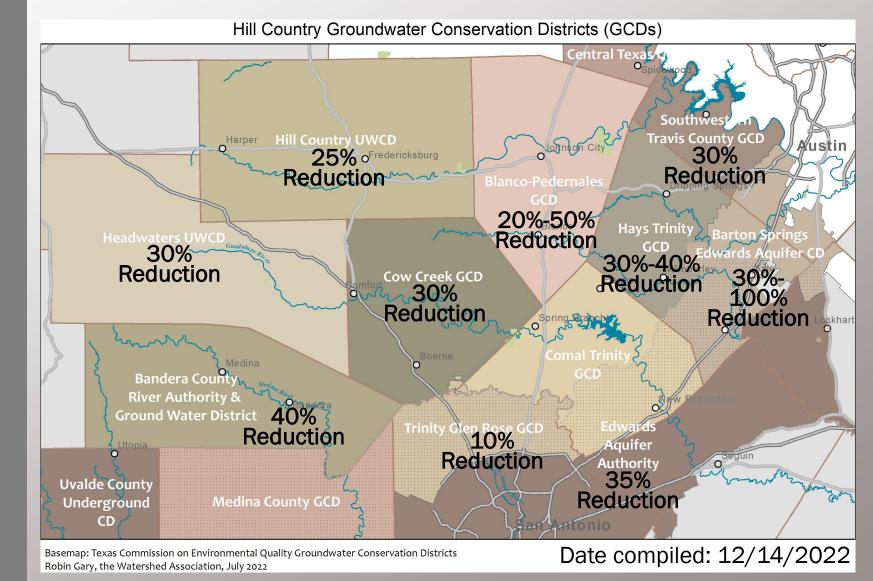
- Groundwater Supplies
- Groundwater Districts
- Monitor Wells to Watch





GROUNDWATER USE

- Groundwater Supplies
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WATERSHED ASSOCIATION

- Importance of Water Conservation Now
- Successes
- What can you do?
- What can we do through the Cypress Creek Project?









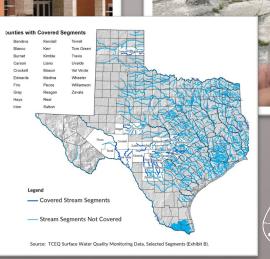
WATERSHED ASSOCIATION

- Importance of Water
 Conservation Now
- Successes
- What can you do?
- What can we do through the Cypress Creek Project?



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

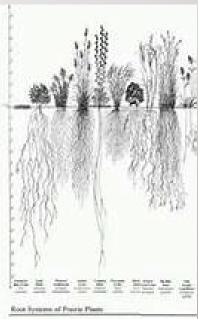




- Importance of WaterConservation Now
- Successes
- What can you do?
- What can we do through the Cypress Creek Project?

"When the well runs dry, we know the **worth of water**." Benjamin Franklin

- Use Hill Country native plants in landscaping
- Check for leaks often
- Catch rainwater for irrigation needs







<u>Home Owner Resources - Watershed Association</u> (wimberleywatershed.org)



- Importance of Water **Conservation Now**
- Successes
- What can you do?
- What can we do through the **Cypress Creek Project?**

- Groundwater permitting Water level monitoring
- Drought management
- **Enforcement of pumping** reductions

- Subdivisions, stormwater treatment, land use
- Wastewater permitting and compliance
- Parks and natural areas, land conservation

Residents and Businesses

Groundwater Conservation **Districts**

Counties

NGOs and

non-profits

Water <u>Utilities</u>

Cities

Local land use, stormwater, impervious cover ordinances

- Water and wastewater supply commitments
- Parks and natural areas

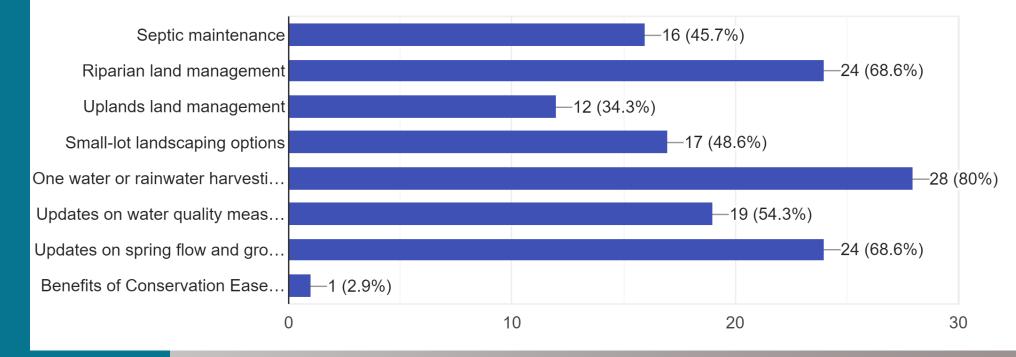
User Drought Contingency Plans

- Conservation easements
- Science, research
- Communication, education



What are the education and/or communication opportunities needed for the next phase? 35 responses

NEXT STEPS





NEXT STEPS

Special Projects:

- Source switch or alternate water supply feasibility for growing groundwater demand (30)
- 2. Stormwater study, analysis, and/or engineering audit (20)
- 3. Community-scale Type 1 reuse feasibility study (benefits & pitfalls) (19)
- 4. Demonstration project or mitigation BMP for untreated downtown stormwater flows (15)
- 5. Impact analysis of water quality ordinance changes (14)

Additional options (because it's been a minute):

- Land, Water, and Transportation Master Plan
- Regional Recharge Study Area groundwater management zone
- Enhanced bacteria monitoring

