

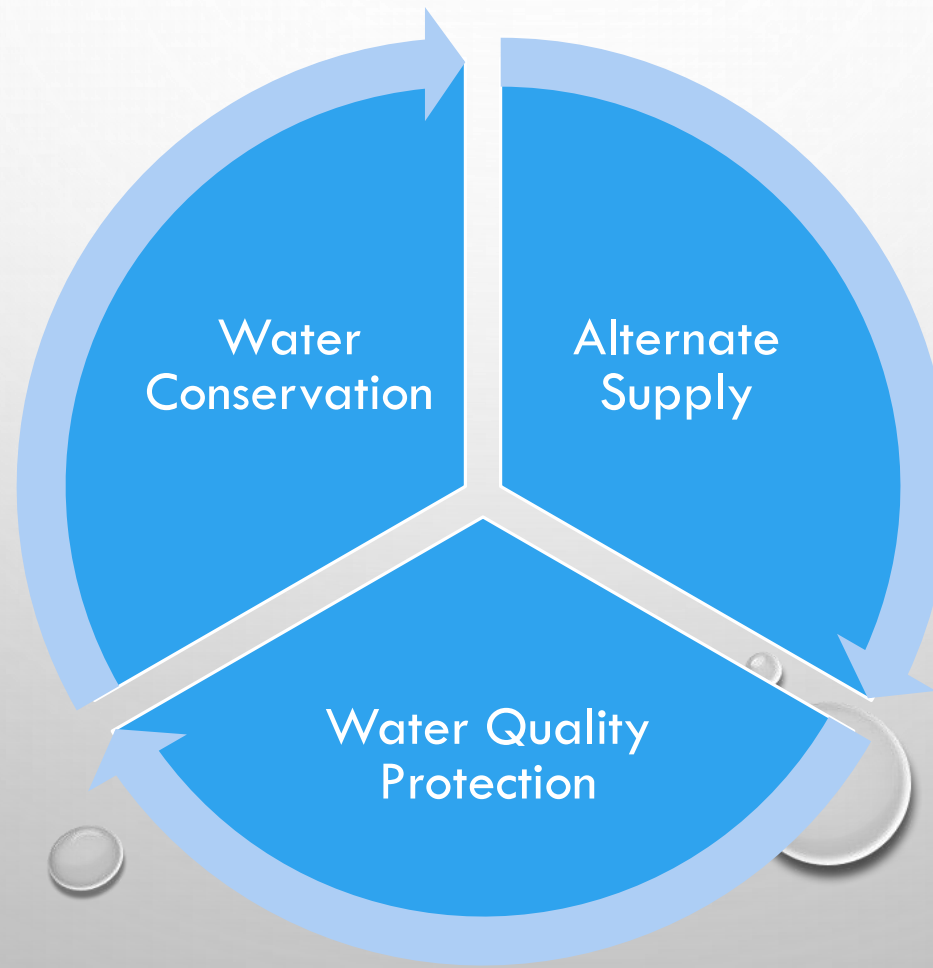
# CYPRESS CREEK WATERSHED PROTECTION PLAN

## WIMBERLEY VALLEY WATERSHED ASSOCIATION

PROGRAMS, PROJECTS, AND COLLABORATION UPDATES

### Challenges:

- Water demand increases
- Population increases
- Wastewater impact
- Impervious cover
- Non-point source pollution

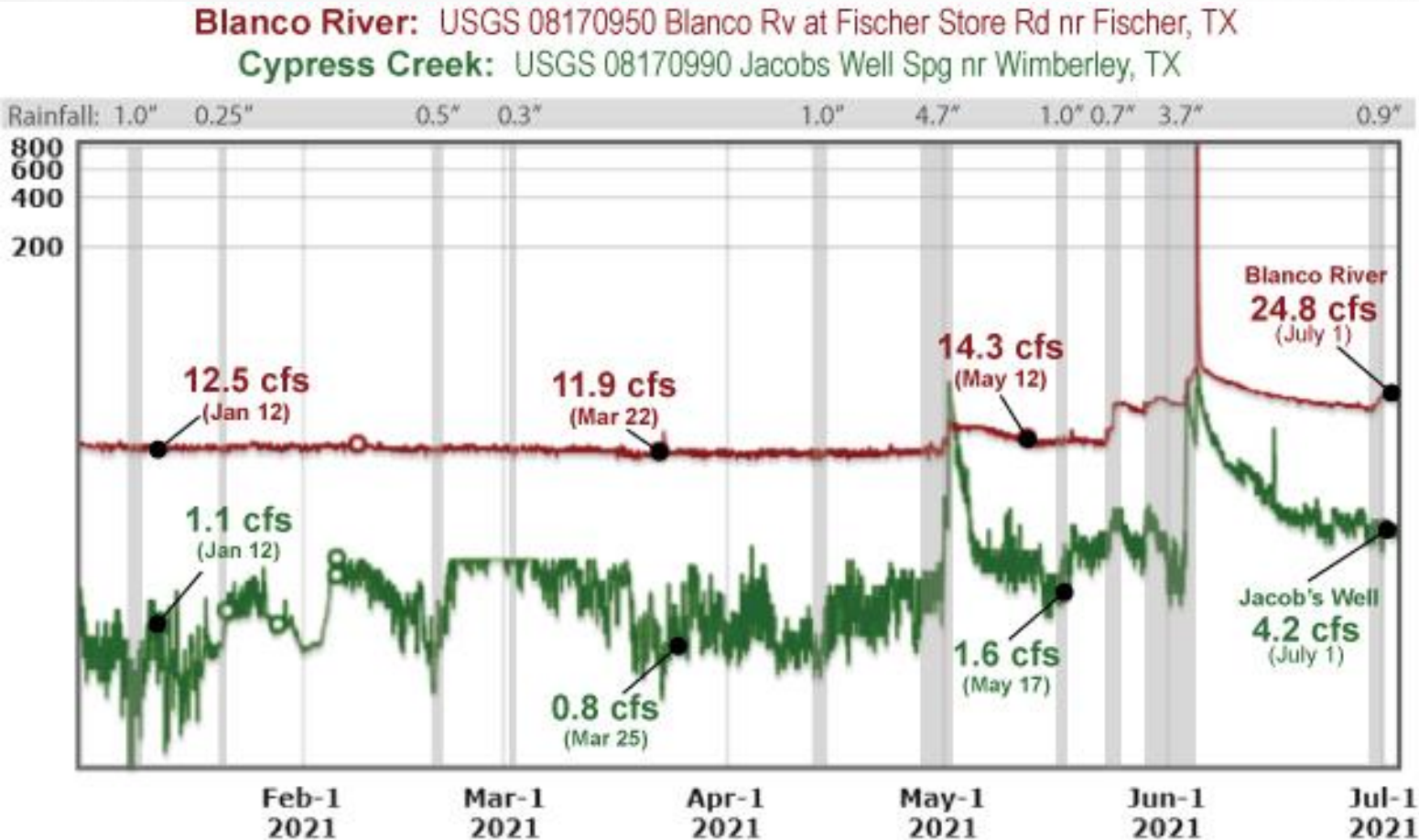


### Opportunities:

- Conservation development
- Site-harvested supplies
- Green infrastructure
- Beneficial reuse
- Stewardship

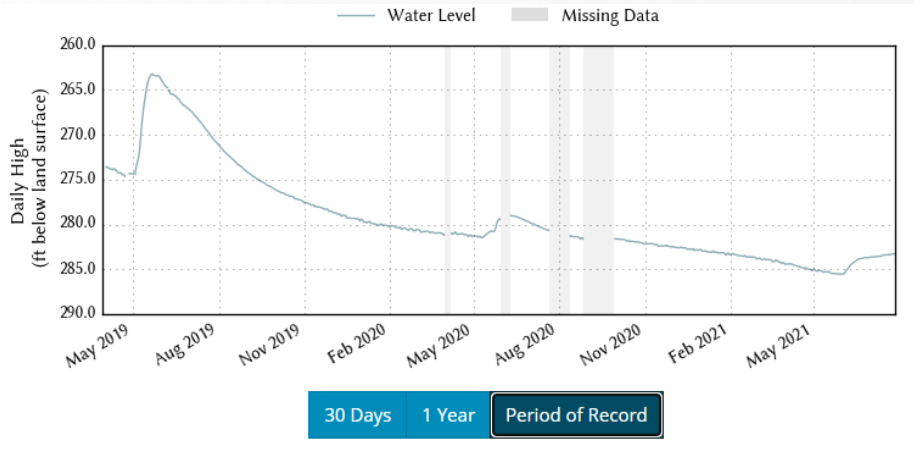
# SPRING FLOW AND GROUNDWATER LEVELS

EDUCATION CAMPAIGN: [WWW.WIMBERLEYWATERSHED.ORG/HYDROREPORT](http://WWW.WIMBERLEYWATERSHED.ORG/HYDROREPORT)

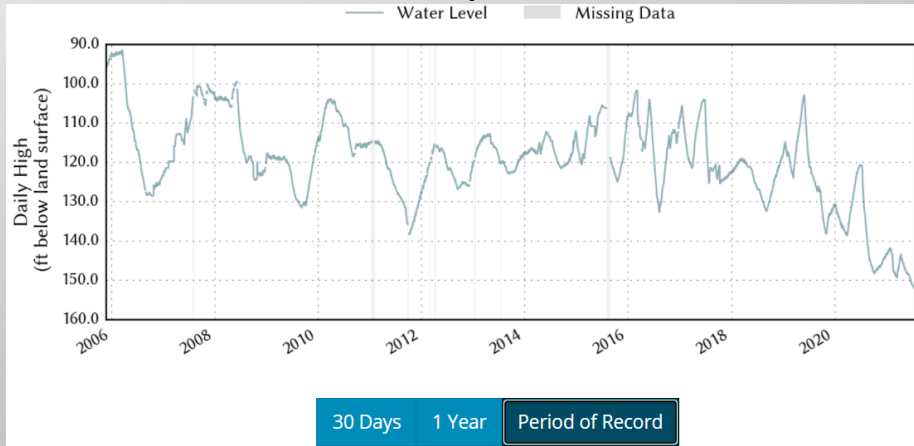


Compiled by Wimberley Valley Watershed Association with data from USGS, Hays Trinity GCD, and Edwards Aquifer Authority.  
Note: Pleasant Valley and Park Springs provide the Blanco River baseflow measured at the USGS Blanco River site shown above.

Burnett Ranch (ESD) Monitor Well – Middle Trinity  
2019 - present



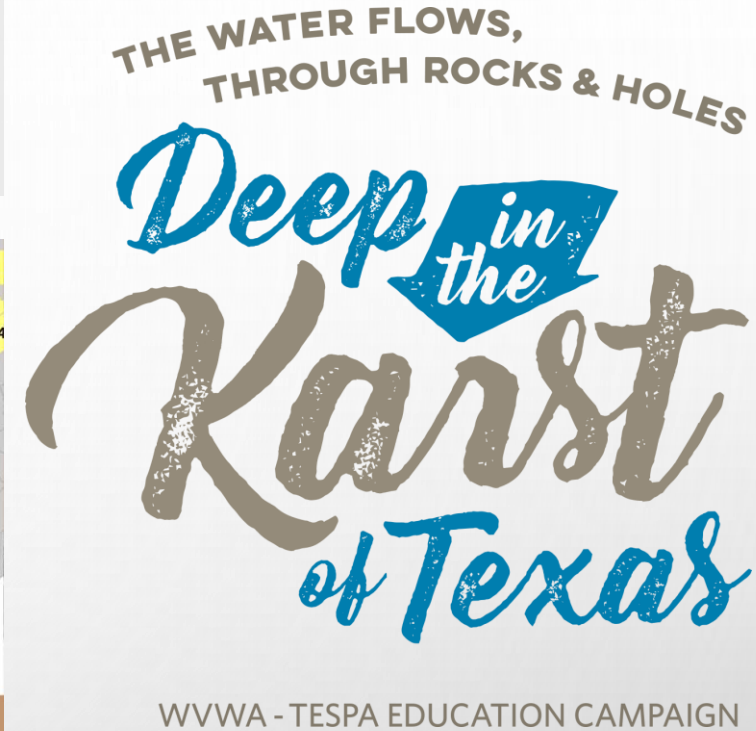
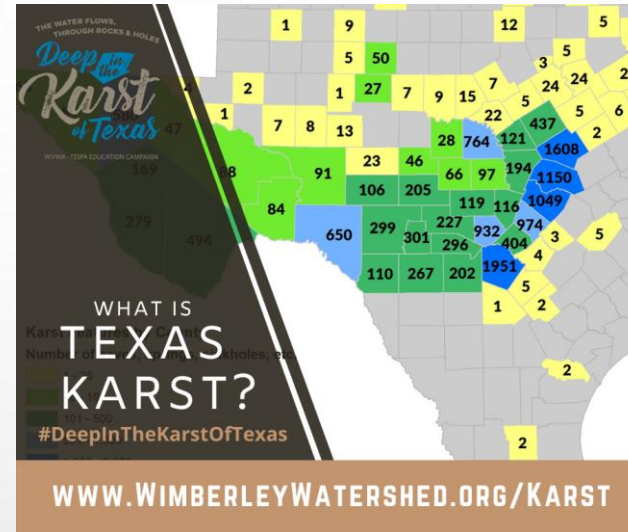
Mt. Baldy Monitor Well – Middle Trinity  
2005 - present



# DEEP IN THE KARST OF TEXAS

EDUCATION CAMPAIGN: [WWW.WIMBERLEYWATERSHED.ORG/KARST](http://WWW.WIMBERLEYWATERSHED.ORG/KARST)

- WVWA & TESPA Collaboration.
- In honor of the International Year of Caves and Karst.
- Raise awareness of benefits and limitations of karst systems.
- Social media, webinars, field trips, and Barn Dance.
- Friends welcome!



# COLEMANS CANYON PRESERVE

SOURCE WATER PROTECTION:

[WWW.WIMBERLEYWATERSHED.ORG/IMPACTAREAS/LANDCONSERVATION/COLEMANS-CANYON-PRESERVE/](http://WWW.WIMBERLEYWATERSHED.ORG/IMPACTAREAS/LANDCONSERVATION/COLEMANS-CANYON-PRESERVE/)

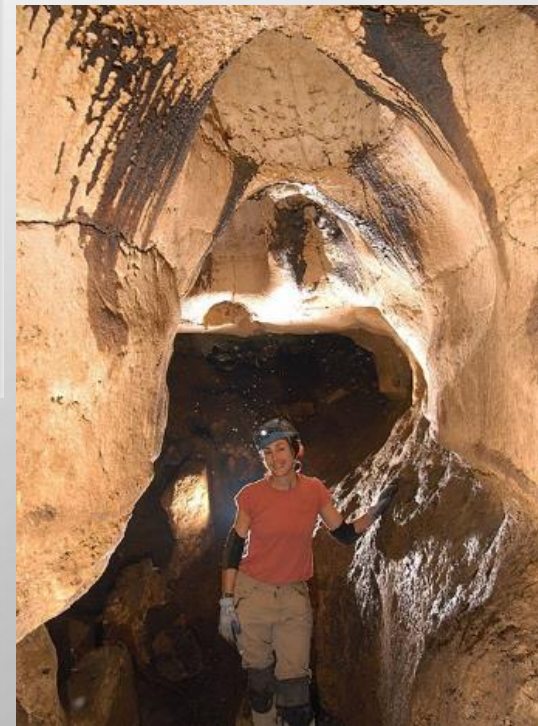
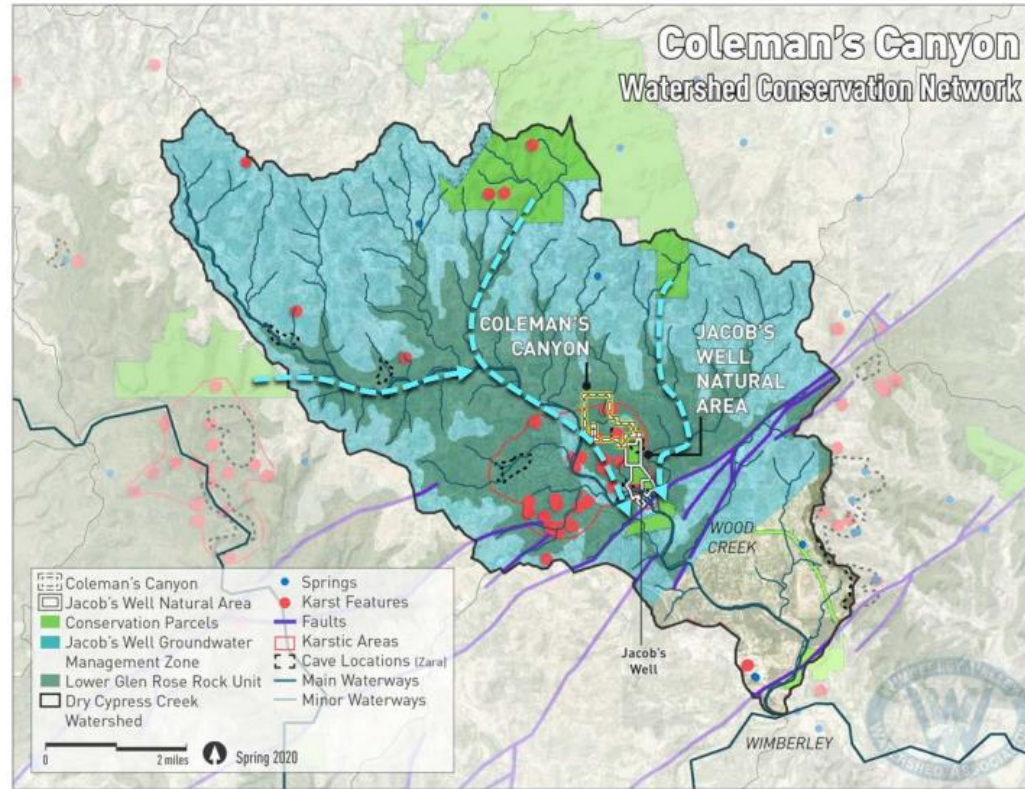
- JW Natural Area Extension Proposal through Hays Co. POSAC.
- Recharge Area, Karst Features, Habitat Protection.
- Greenfielding, flora and fauna species survey, karst surveys, monitor wells, and restoration efforts.

## CONTEXT

### Watershed Conservation Network

- Critical Groundwater Management Zone
- Enhance Aquifer Recharge
- Habitat Connectivity

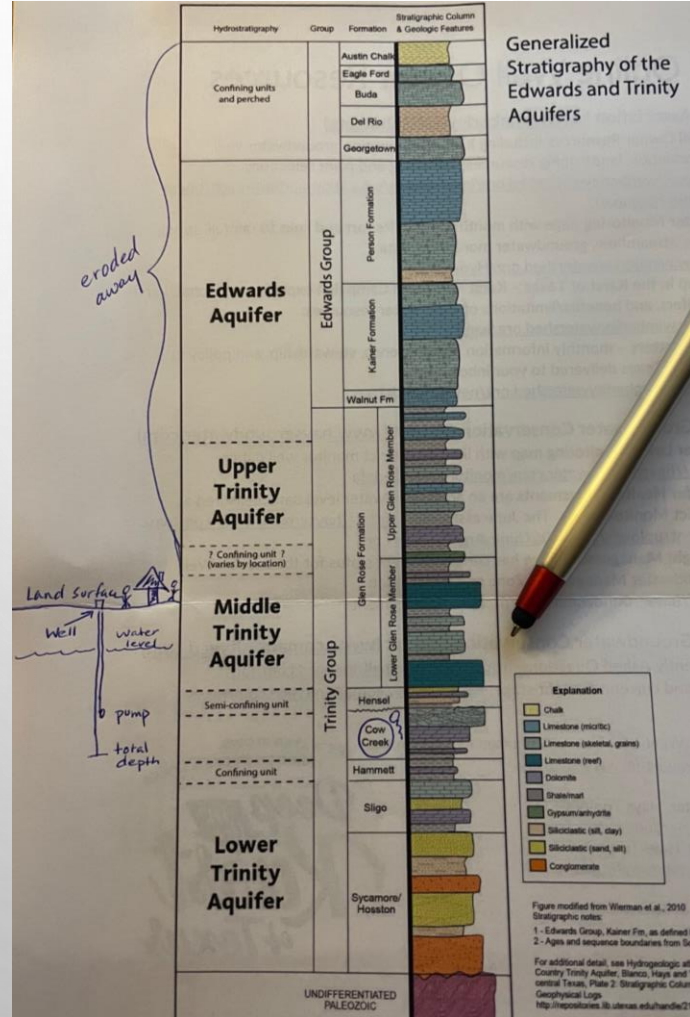
Evaluation for the Development of a Jacob's Well Groundwater Management Zone in Hays County, Texas



# NEIGHBORHOOD SITE VISITS – TRINITY AQUIFERS

WELL OWNER EDUCATION + GROUNDWATER STUDY: [WWW.WIMBERLEYWATERSHED.ORG/SITEVISITS](http://WWW.WIMBERLEYWATERSHED.ORG/SITEVISITS)

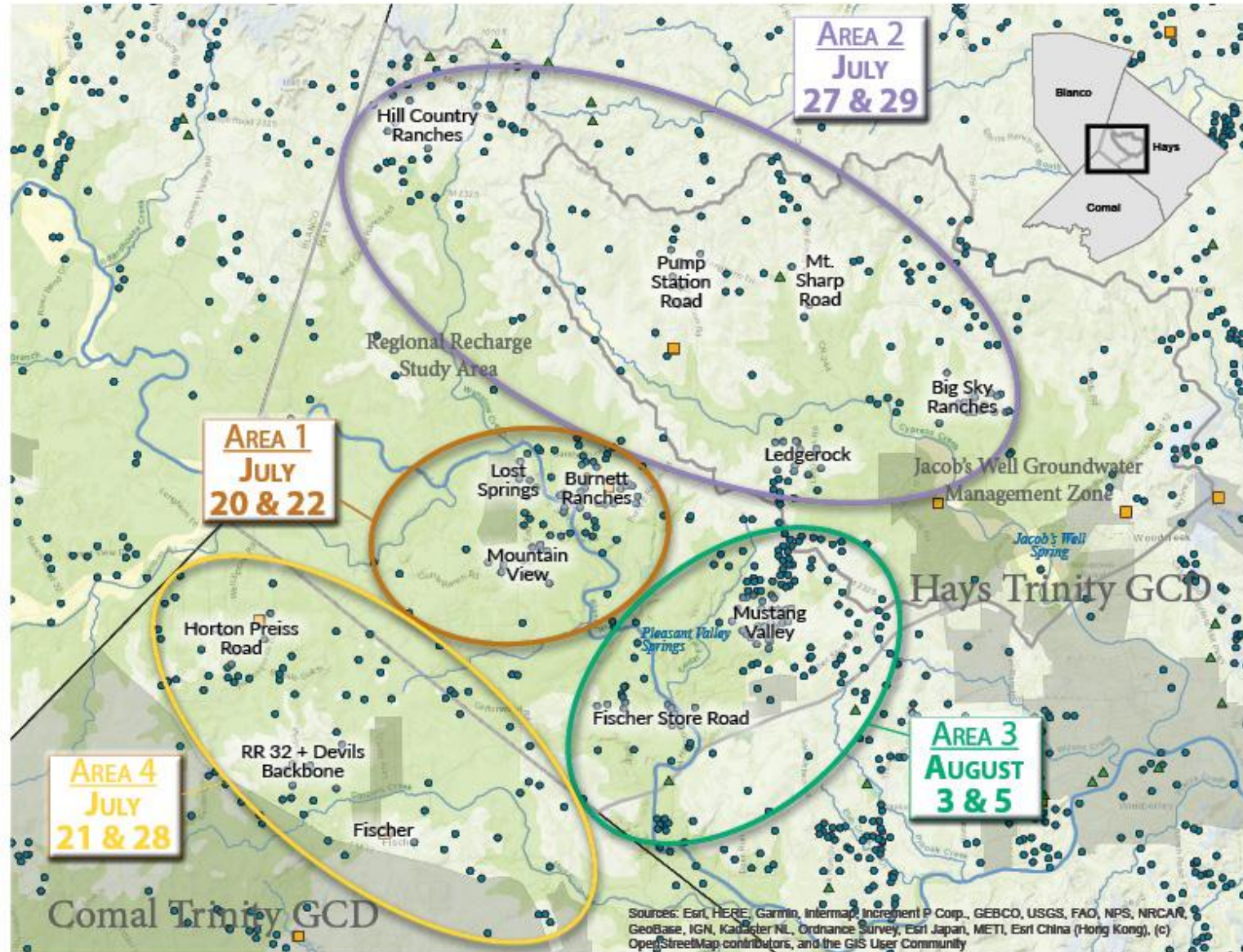
- WVWA, HTGCD & CTGCD Collaboration.
- Over 50 well visits in 3 weeks.
- Create a snapshot of groundwater levels in Middle and Lower Trinity.
- Well owner education + regional science to inform GW management.



# NEIGHBORHOOD SITE VISITS – TRINITY AQUIFERS

WELL OWNER EDUCATION + GROUNDWATER STUDY: [WWW.WIMBERLEYWATERSHED.ORG/SITEVISITS](http://WWW.WIMBERLEYWATERSHED.ORG/SITEVISITS)

- WVWA, HTGCD & CTGCD Collaboration.
- Over 50 well visits in 3 weeks.
- Create a snapshot of groundwater levels in Middle and Lower Trinity.
- Well owner education + regional science to inform GW management.



# WIMBERLEY WATER ADVISORY GROUP – BLANCO & CYPRESS VOLUNTEER BACTERIA SAMPLING

[WWW.WIMBERLEYWATERSHED.ORG/IMPACTAREAS/WATERSHEDPROTECTION/BACTERIA-SAMPLING/](http://WWW.WIMBERLEYWATERSHED.ORG/IMPACTAREAS/WATERSHEDPROTECTION/BACTERIA-SAMPLING/)

## Wimberley Water Advisory Group

2021 Water Testing Results  
e-coli colonies per 100 ml

Cypress Creek	4/7/21	5/10/21	6/7/21	7/6/21
<b>Jacob's Well Flow</b>	<b>0.89 cfs</b>	<b>2.67 cfs</b>	<b>13.8 cfs</b>	<b>11.3 cfs</b>
Site 0 – Jacob's Well	Less than 1	117	326	3
Site 1 – Cypress Creek at Jacob's Well Road	19	46	308	18
Site 2 – Cypress Creek at Woodcreek	5	21	93	11
Site 3 – Cypress Creek at north RR12	33	24	345	93
Site 4 – Cypress Creek at Blue Hole	10	49	157	61
Site 5 – Cypress Creek below bridge at Square	214	120	68	140

Blanco River	4/7/21	5/10/21	6/7/21	7/6/21
<b>Blanco River at Fischer Store Rd Flow</b>	<b>11.7 cfs</b>	<b>14.5 cfs</b>	<b>33.5 cfs</b>	<b>35.3 cfs</b>
Site 6 – Blanco River at Paradise Valley	47	71	122	142
Site 7 – Blanco River at bridge on south RR12	NR	NR	NR	146
Site 8 – Blanco River above Cypress Creek	19	41	435	178
Site 9 – Blanco River at 7A Ranch	214	28	75	548
Site 10 – Blanco River at River Meadows	4	50	78	142

NR = No Reading

cfs = cubic feet per second

If e-coli counts are high (over 394 colonies per 100 ml of water sample) in the river or creek, there is a greater chance that pathogenic organisms are present.



The Wimberley Water Advisory Group, a group of volunteers lead by Pete Anderson, has been sampling Cypress Creek and the Blanco River for decades.

# ONE WATER COLLABORATION

INNOVATIVE SOLUTIONS: [WWW.WIMBERLEYWATERSHED.ORG/ONEWATER](http://WWW.WIMBERLEYWATERSHED.ORG/ONEWATER)



## Blue Hole Primary School

*The first One Water School in Texas!*

Built with STEM principles to minimize water use, safely reuse, and protect community water supplies.

Harry L. Willett Foundation



# THANK YOU!

David Baker, Founder & Executive Director: [davidbaker@wimberleywatershed.org](mailto:davidbaker@wimberleywatershed.org)

Robin Gary, Managing Director: [robingary@wimberleywatershed.org](mailto:robingary@wimberleywatershed.org)

Ray Don Tilley, Creative Director: [raydon@Wimberleywatersehd.org](mailto:raydon@Wimberleywatersehd.org)

## Stay in touch!

- Website
- Facebook
- Monthly Newsletters

