



Clearwater Underground Water Conservation District

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www.cuwcd.org

Leland Gersbach, President

Gary Young

Jody Williams

Scott Brooks

Jim Brown

Clearwater Staff Reports

May 10, 2023

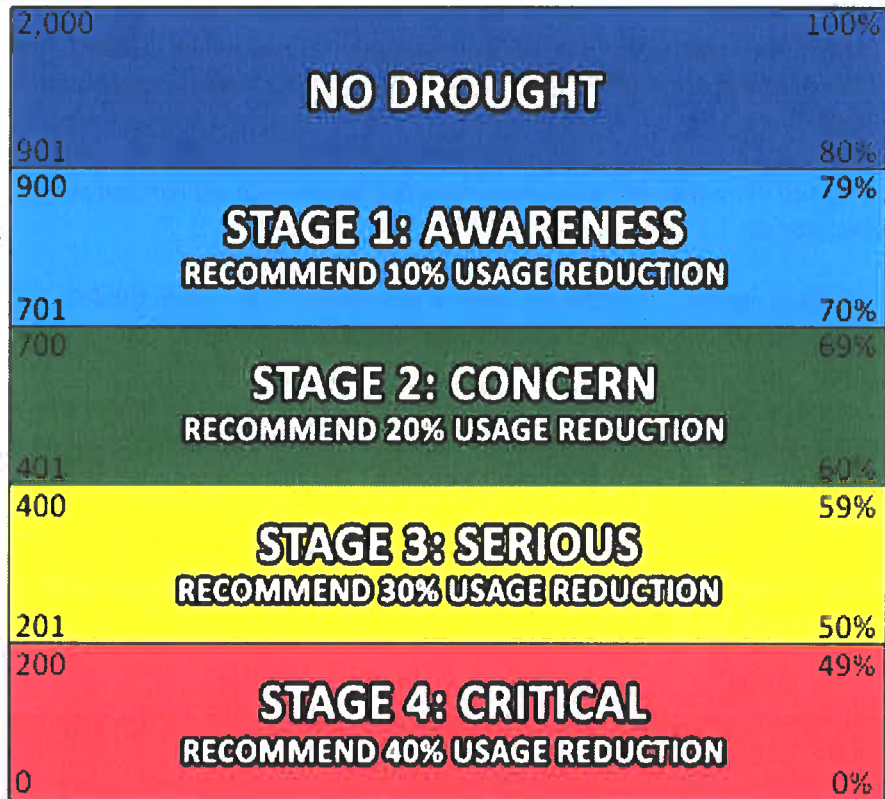
1. Drought Status
2. Educational Outreach Update
3. Monitoring Wells
4. Rainfall/Drought Conditions
5. Well Registrations
6. Non-Exempt Monthly Well Production

Edwards BFZ Aquifer—Drought Status Report

STAGE 1: AWARENESS

Salado Creek
Spring Discharge

818.302 ac-ft
(month)
13.752 cfs



Precipitation Deficit
Index (PDI)

24.335 PDI
73.74%

PDI is based on a 33" normal yearly average and is a 365 day running total.

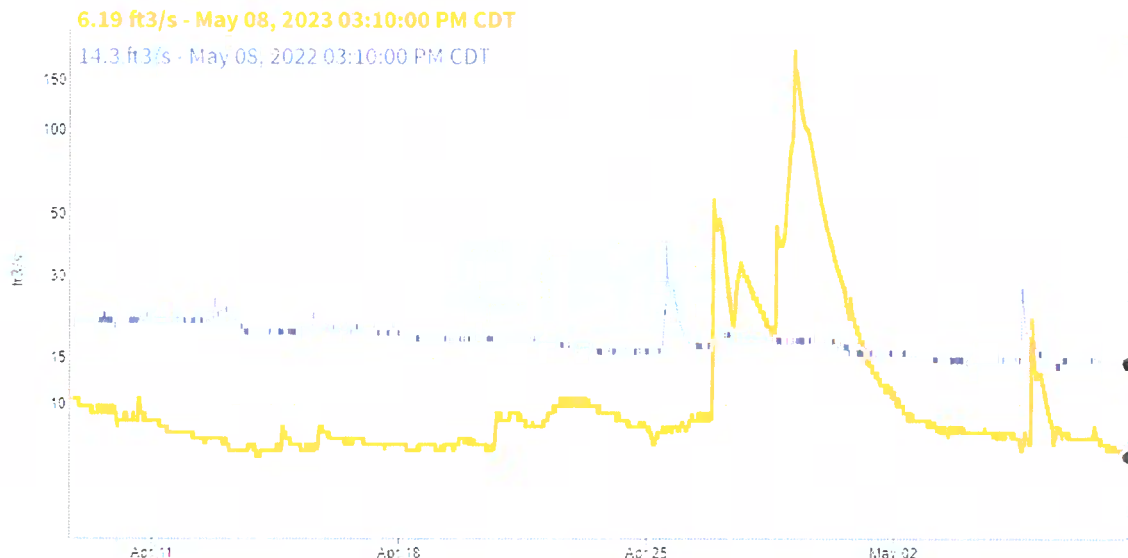
As of 5/8/2023

○ 7 days ● 30 days ○ 1 year

Salado Ck at Salado, TX - 08104300

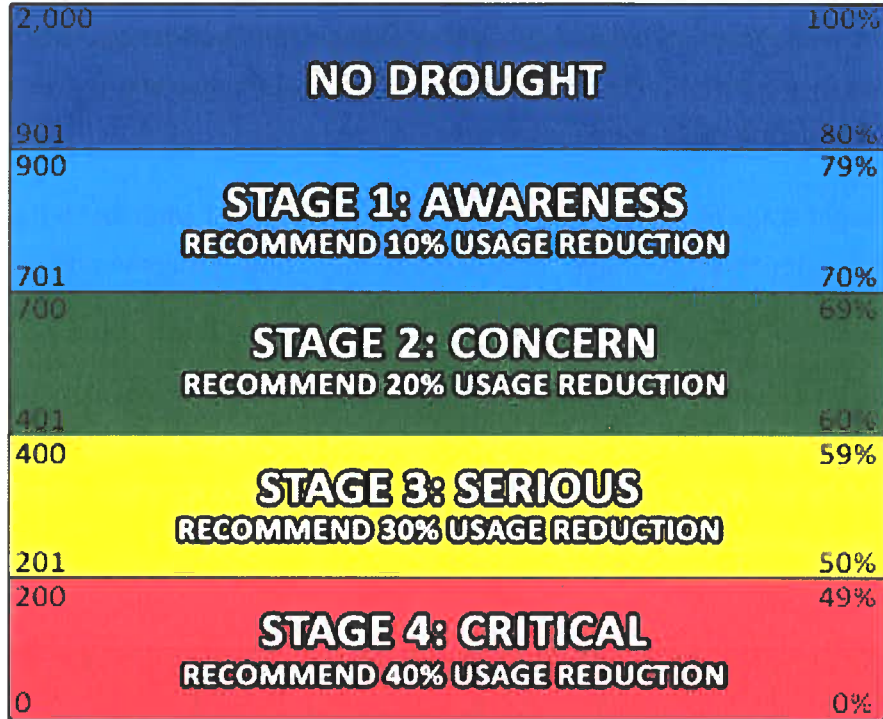
April 8, 2023 - May 8, 2023

Streamflow, ft³/s



Trinity Aquifer—Drought Status Report

STAGE 1: AWARENESS

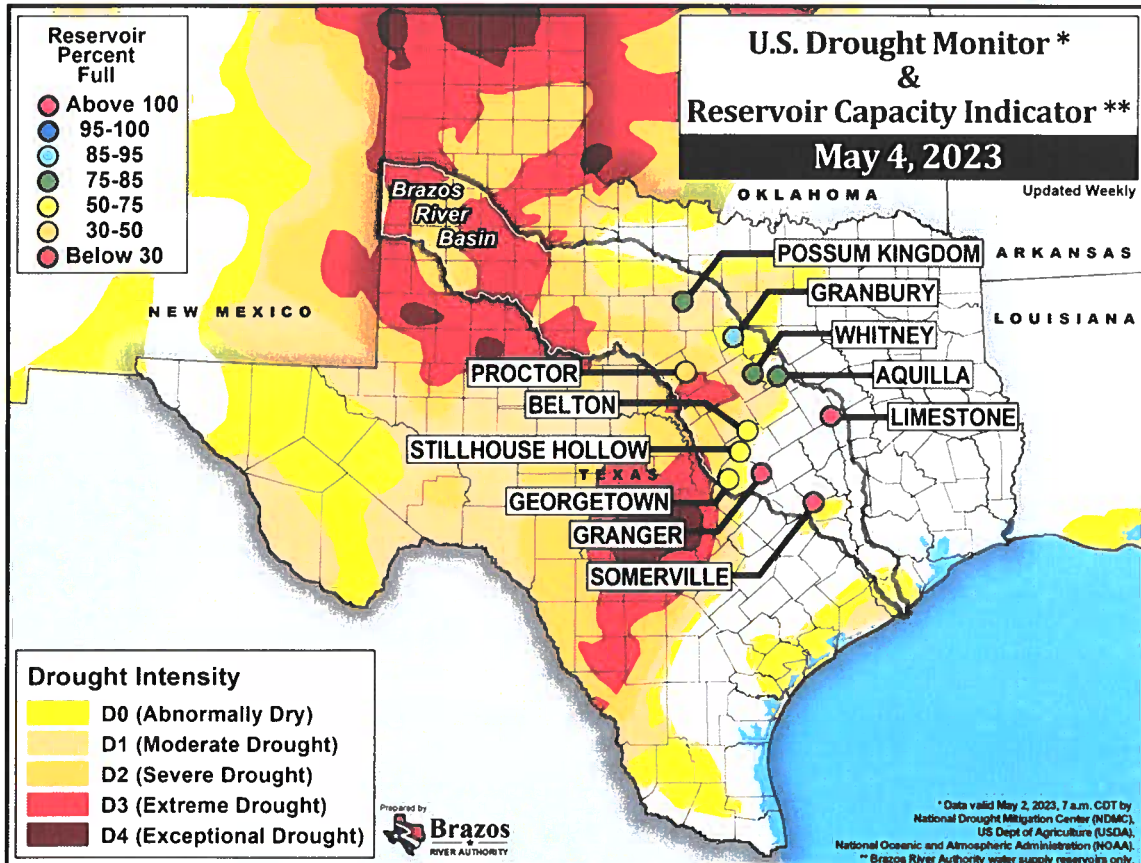


← 26.58 PDI
80.55 %

Precipitation Deficit Index (PDI)

PDI is based on a 33" normal yearly average and is a 365 day running total.

AS OF 5/8/2023





Education Outreach Highlights 5/10/23

1. Goal: Improve our educational outreach efforts and expand our identified audiences (4th-5th grade, high school environmental sciences students, and the real estate sales community).

Goals and objectives in the Management Plan (A:3, A:4, B, F:1, F:2 pages 22-26).

- April 12 – Staff gave a presentation to the Bell County Master Gardeners. 55 in attendance.
- April 24 & 25 – Staff gave an ASR presentation along with INTERA’s Dr. Steve Young. 75 in attendance.
- April 27 – Staff gave a presentation to the Bell County Master Gardeners. 6 in attendance.

2. Improve Communication and Reporting of Usage by well owners who are permitted (HEU or OP) by the district. Goals and objectives in the Management Plan (A:1, A:2, A:3, G:1, G:2, pages 22-23).

- Working with LRE Water to develop the new platform for Database Management.
- Most of our permitted users are entering their monthly water usage online now.

3. Increase the District Communication strategically by expanding the utilization of media sources. Goals and objectives in the Management Plan (A:1, A:2, A:3, G:1, G:2, pages 22-23).

- Continually adding more information to the website to make it a valuable resource to Bell County along with utilizing more social media.
- Staff sends out a quarterly newsletter via MailChimp that contains pertinent information.

4. Improve Annual Reporting accuracy and timeliness per State-mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).

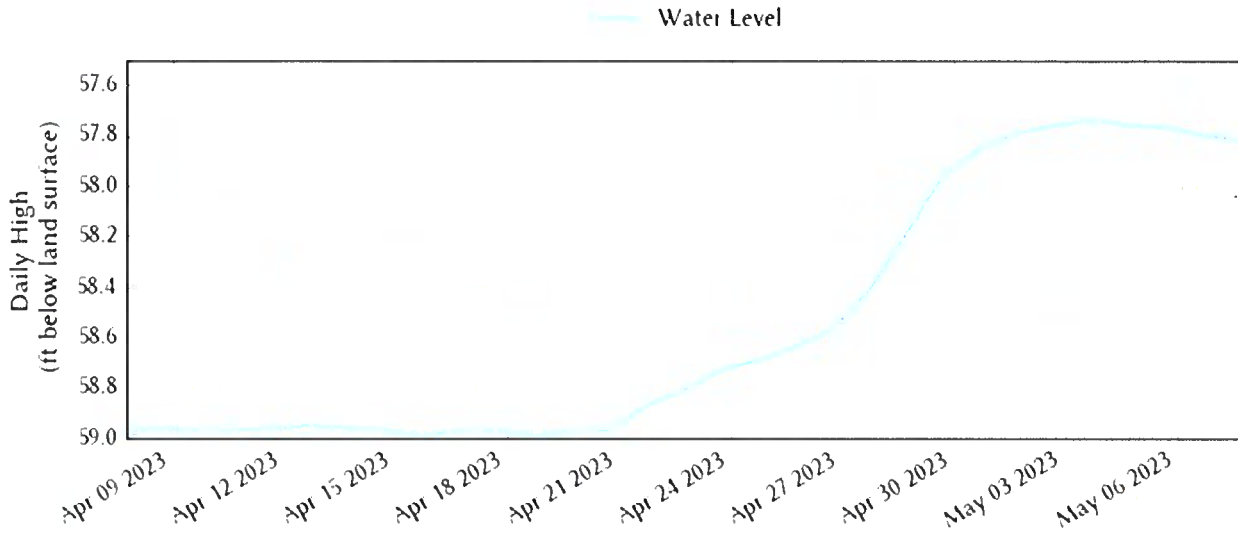
- Board of Directors accepted the 2022 Annual Report on March 8, 2023.

May 2023

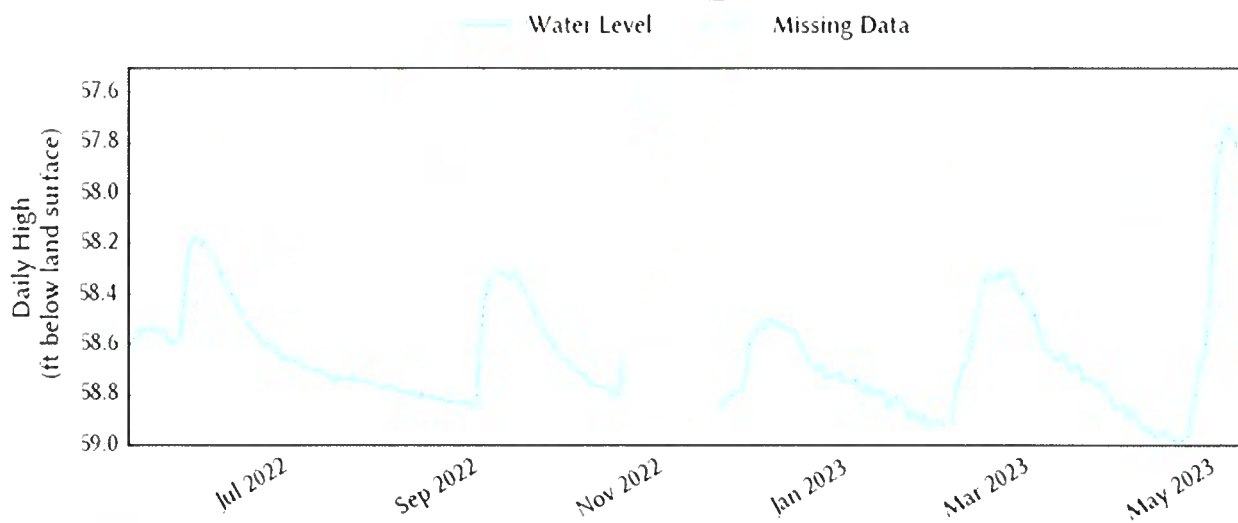
**Continuous Monitoring Well # 5803702
(Gault Site - Williamson County)
Edwards Aquifer**

Last 30 Days

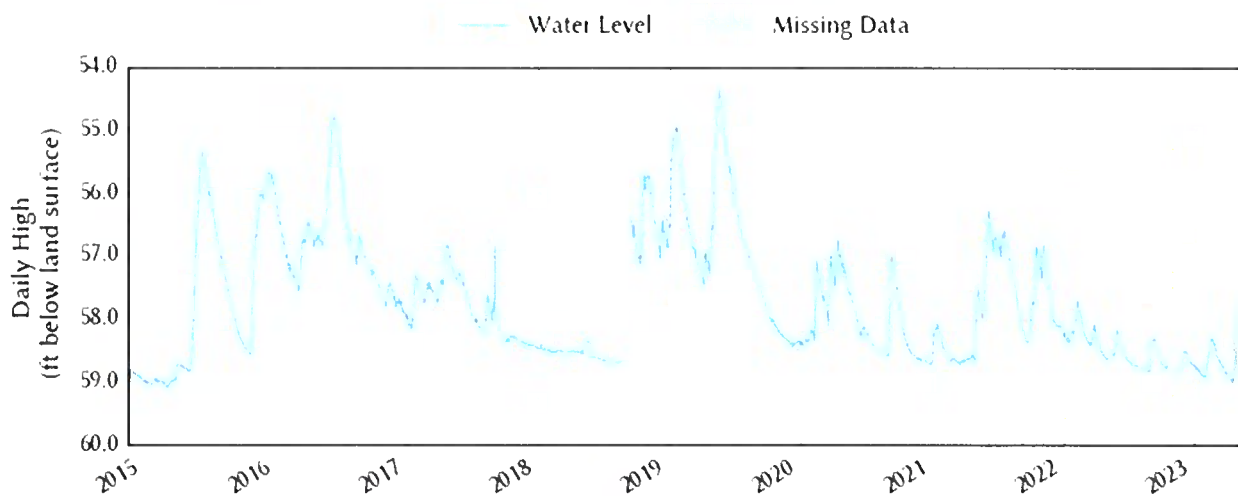
Total Depth: 110 ft



1 Year



Period Of Record

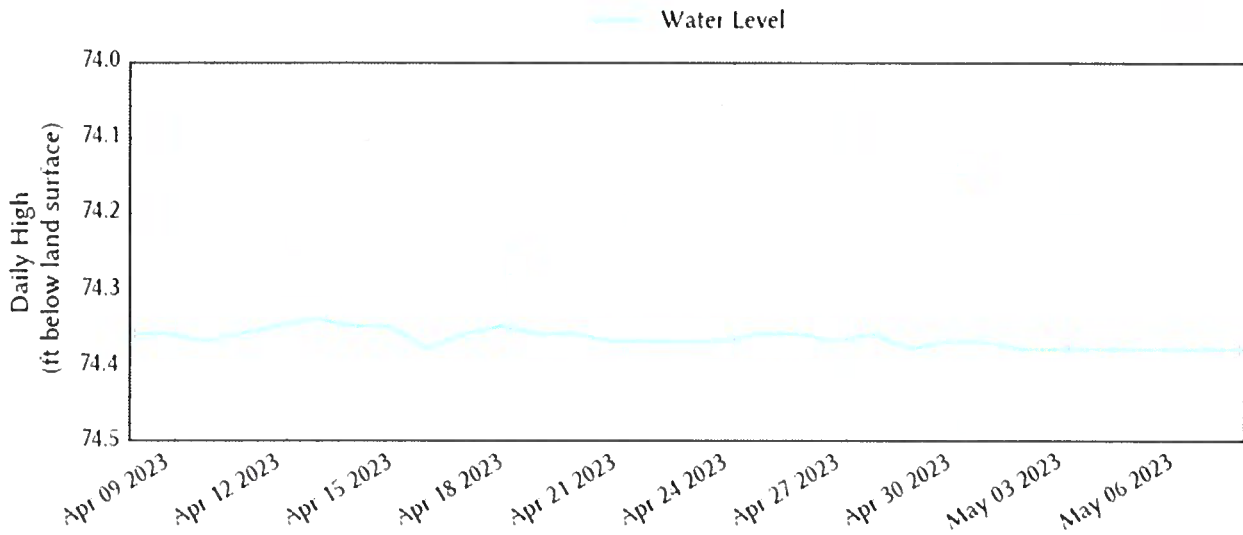


May 2023

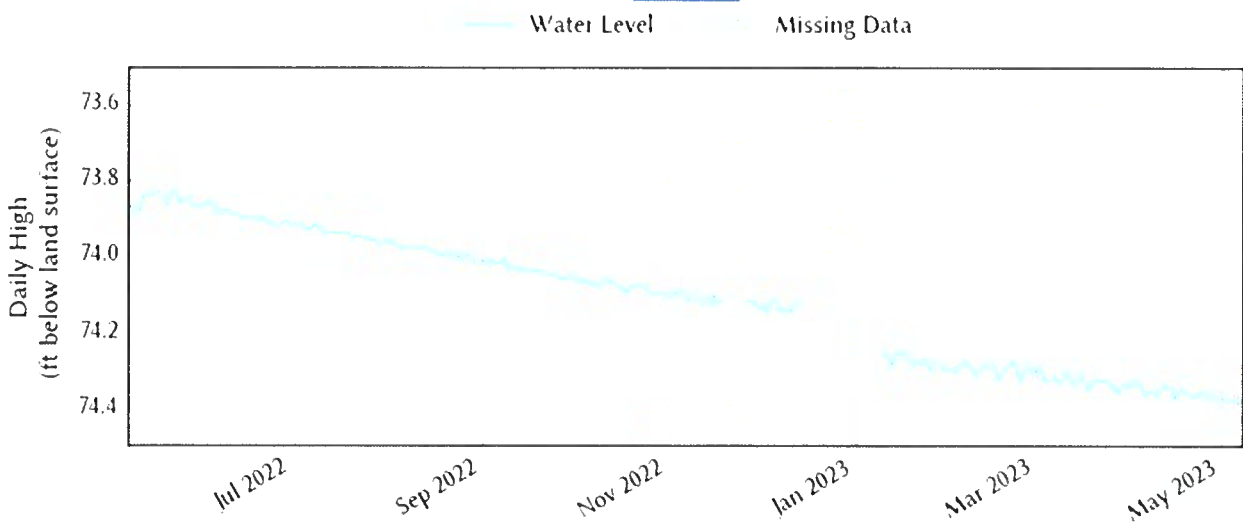
**Continuous Monitoring Well # 5804702
(FM 2843 - Patterson's Crossing - Salado Creek)
Edwards Aquifer**

Last 30 Days

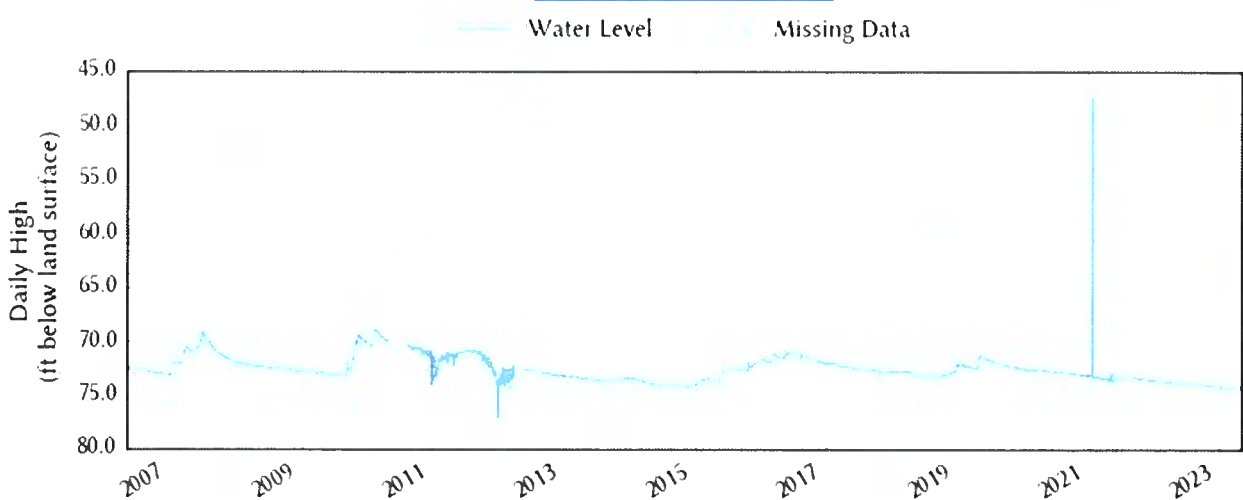
Total Depth: 95 ft



1 Year



Period Of Record

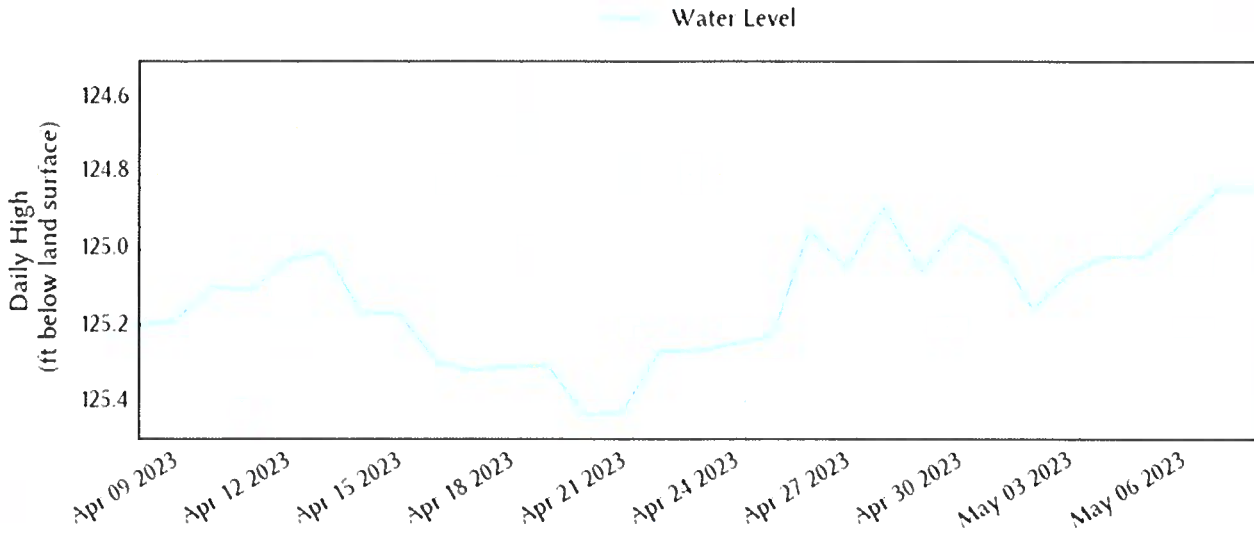


May 2023

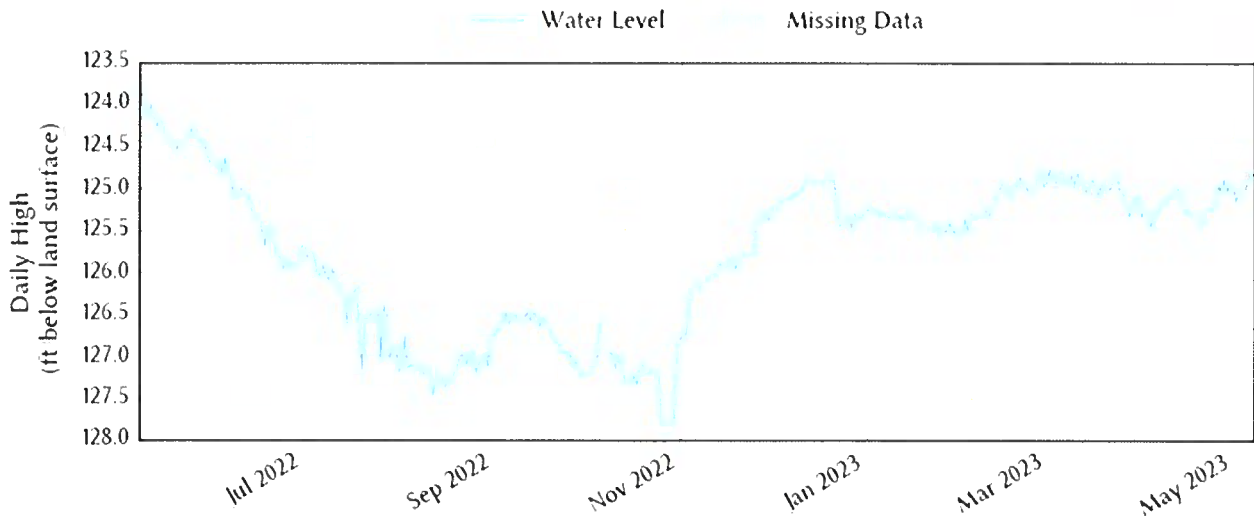
**Continuous Monitoring Well # 5804816
(IH-35 Rest Stop - West)
Edwards Aquifer**

Last 30 Days

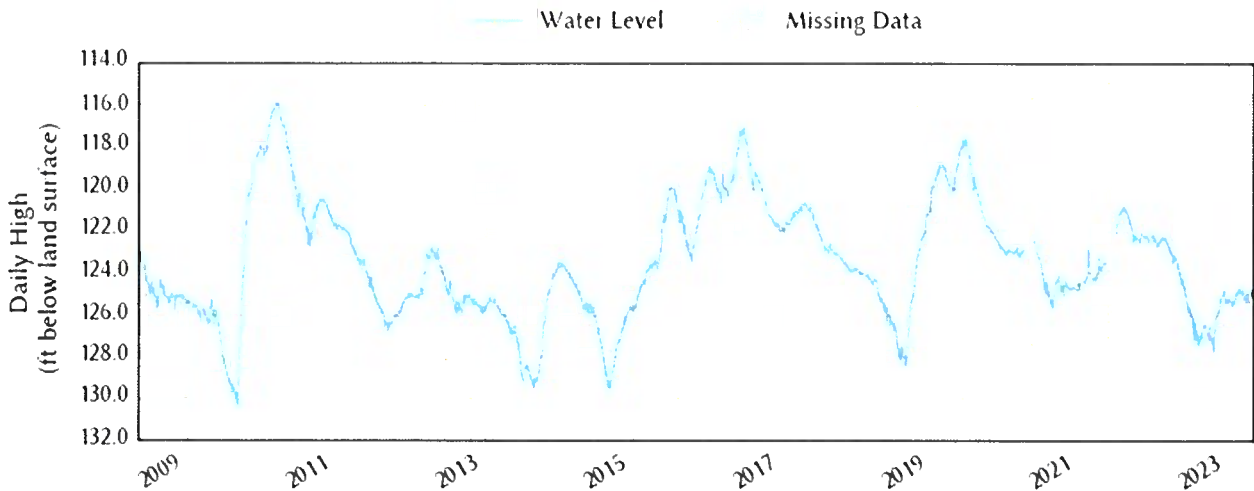
Total Depth: 170 ft



1 Year



Period Of Record

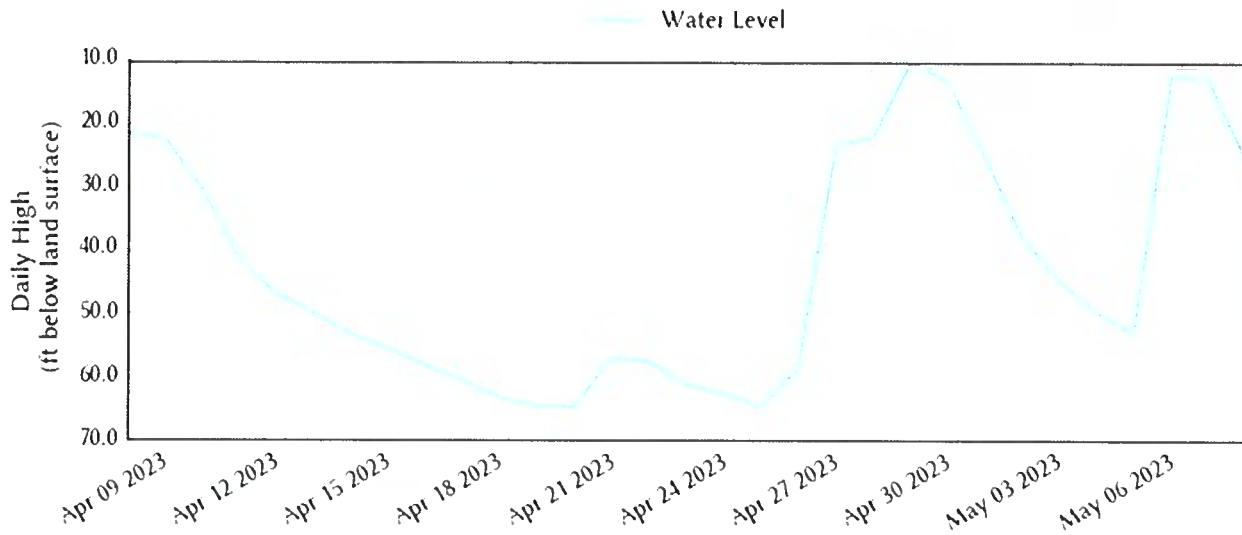


May 2023

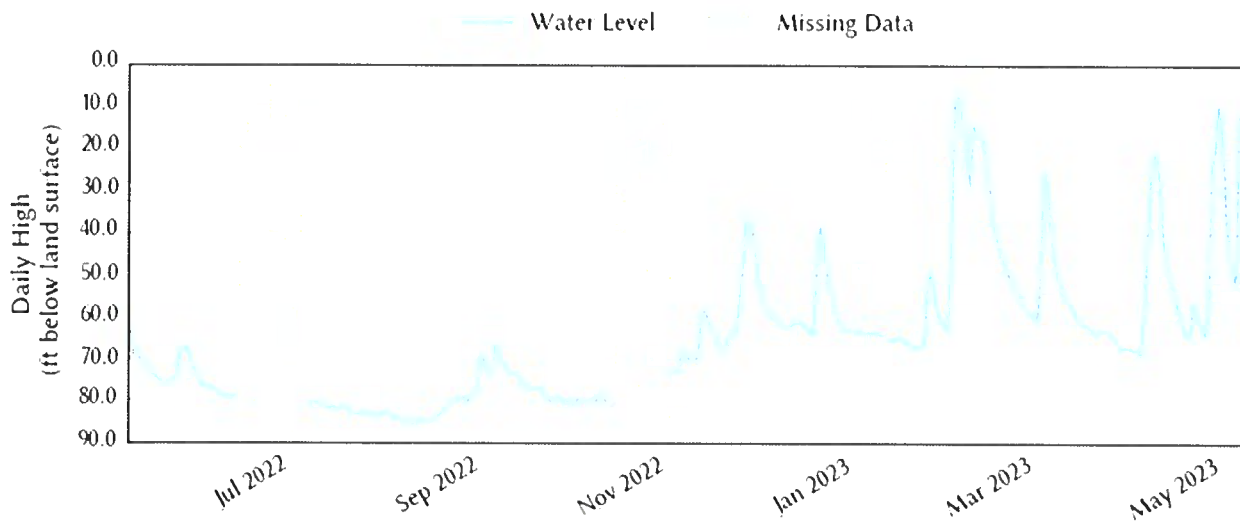
**Continuous Monitoring Well # 5804628
(Salado Cemetery)
Edwards Aquifer**

Last 30 Days

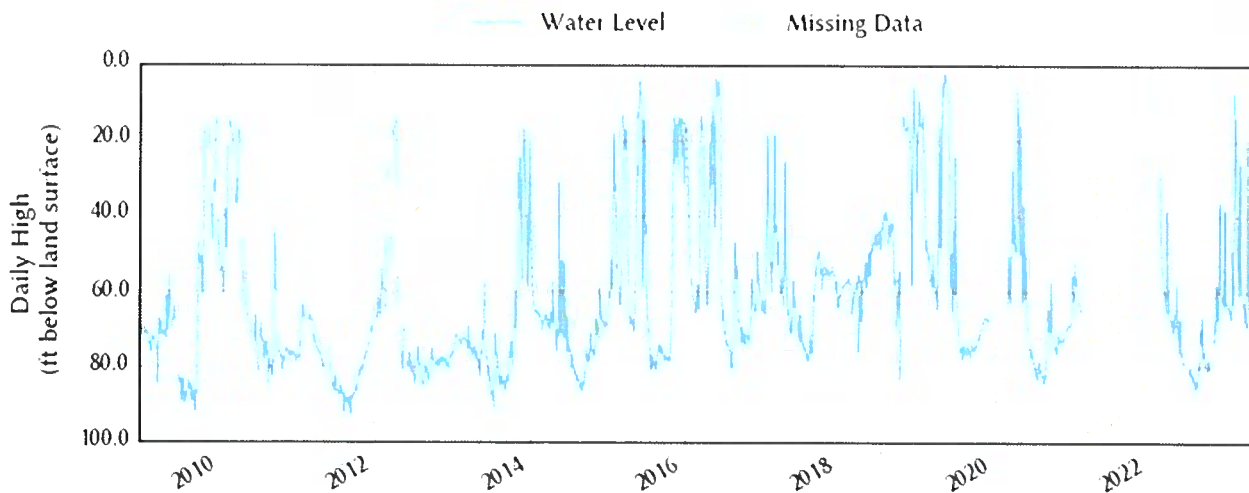
Total Depth: 129 ft



1 Year



Period Of Record

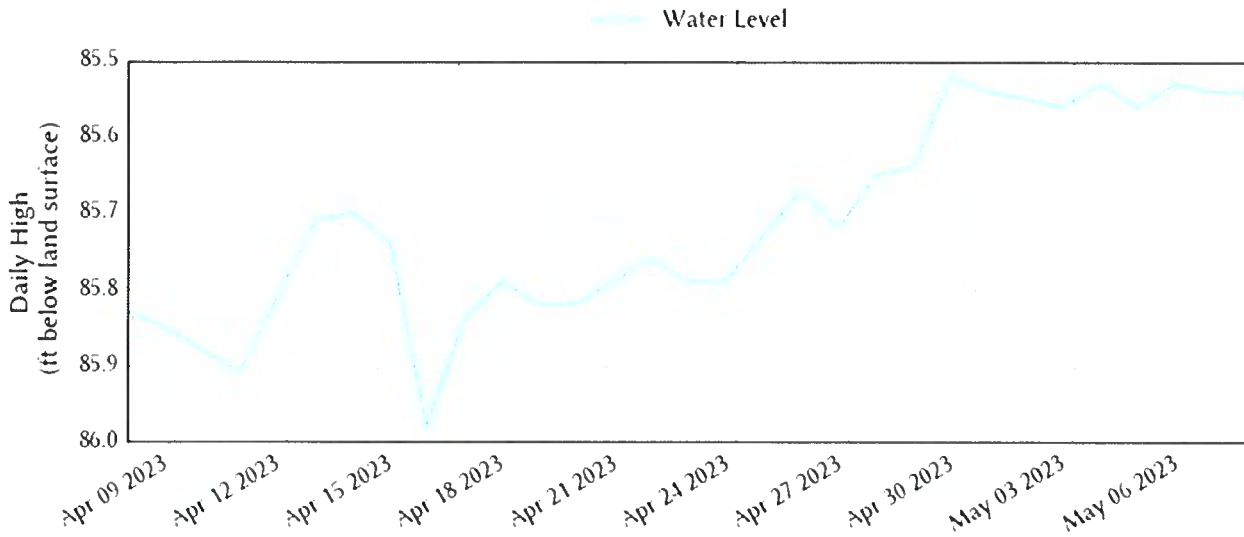


May 2023

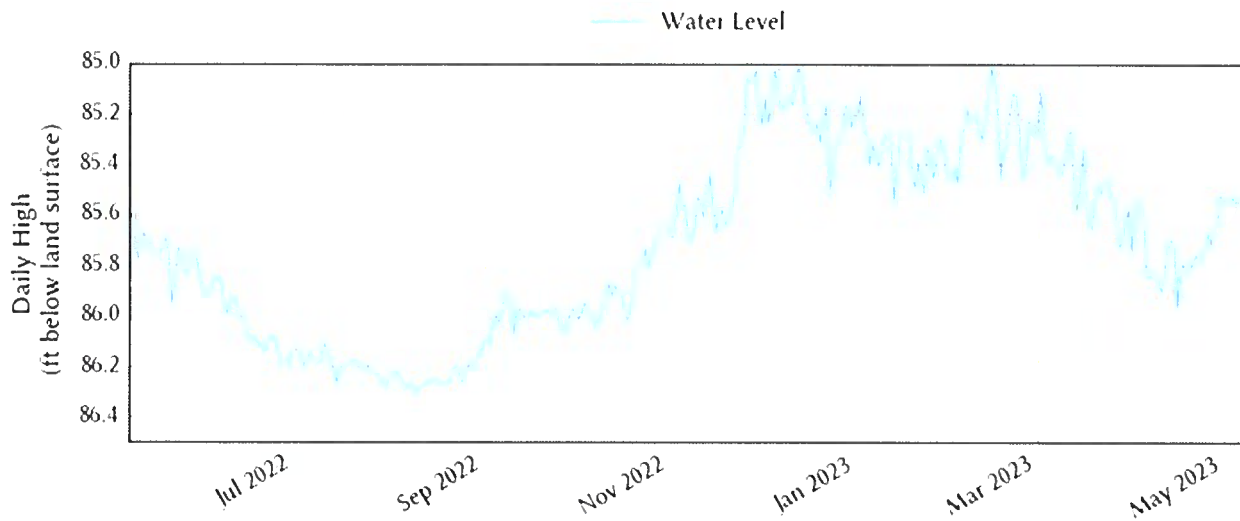
**Continuous Monitoring Well # 4058201
(Central Texas College - Ranch Rd)
Upper Trinity Aquifer**

Total Depth: 435 ft

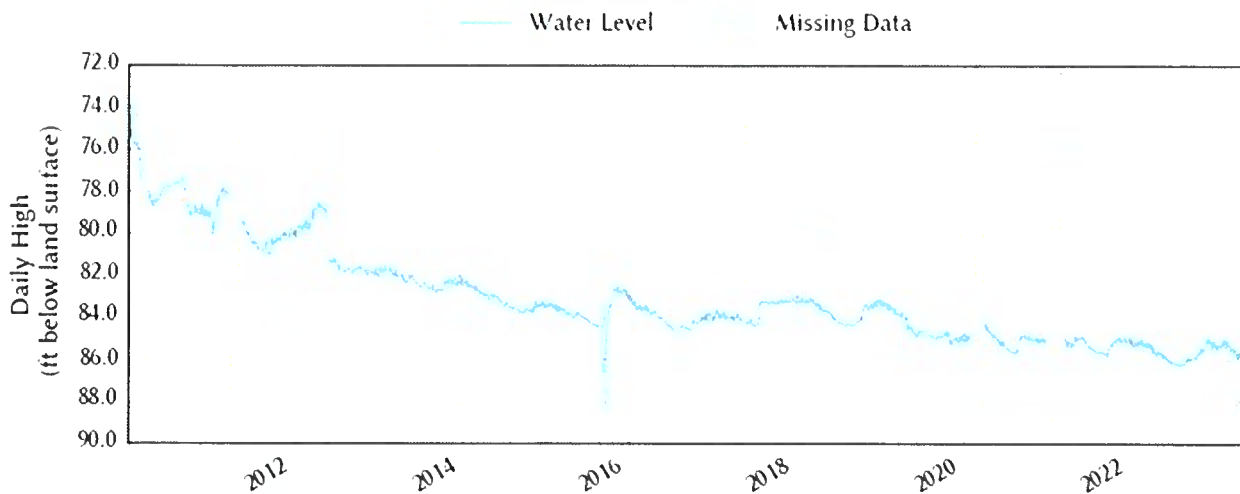
Last 30 Days



1 Year



Period Of Record

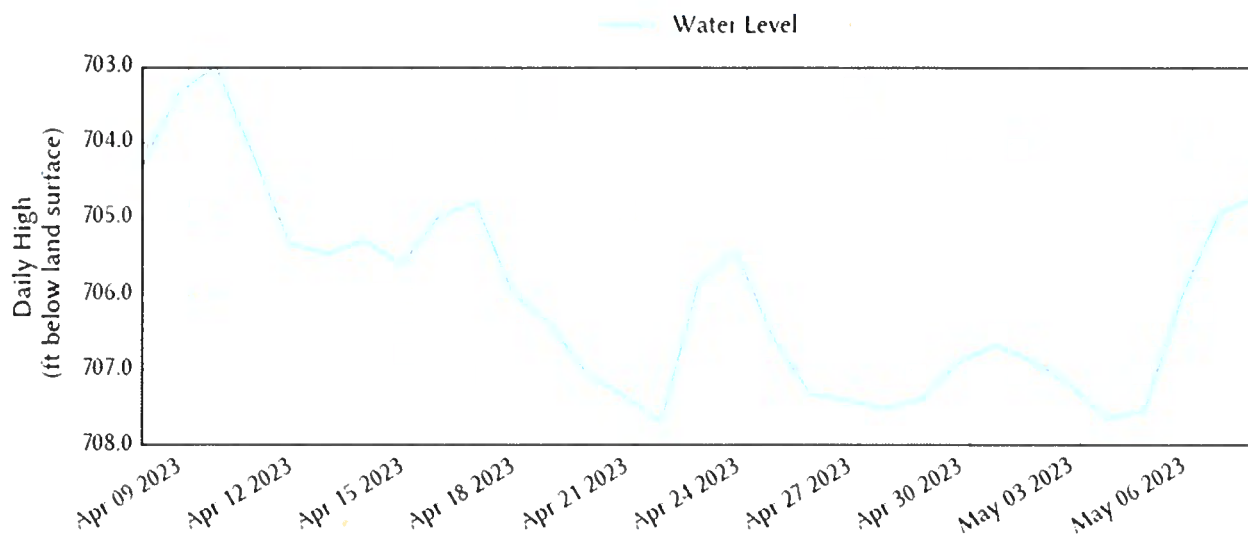


May 2023

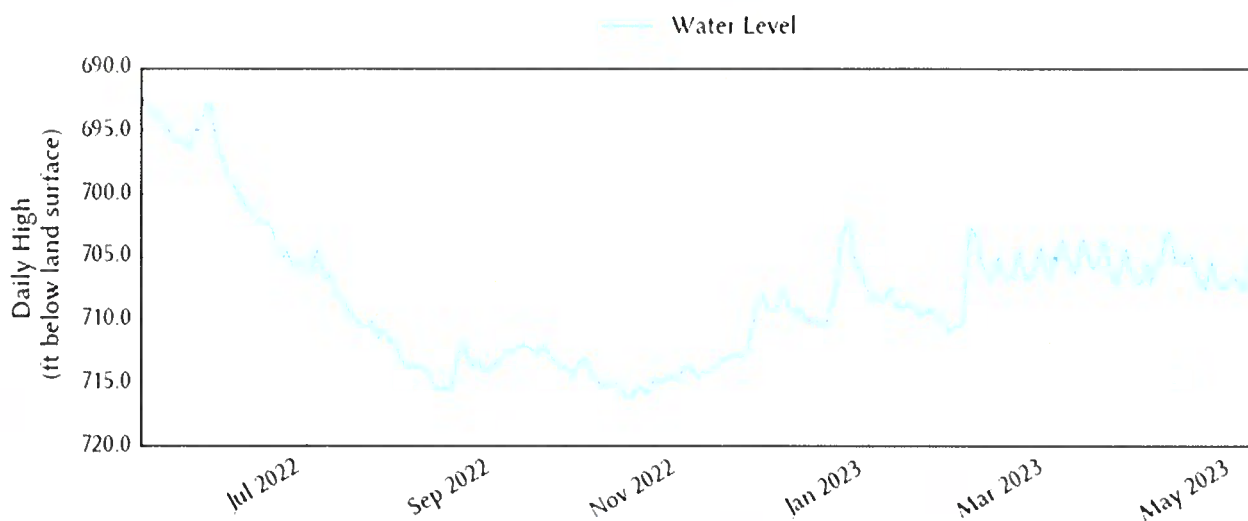
**Continuous Monitoring Well # 5803701
(Gault Site - Williamson County)
Middle Trinity Aquifer**

Total Depth: 880 ft

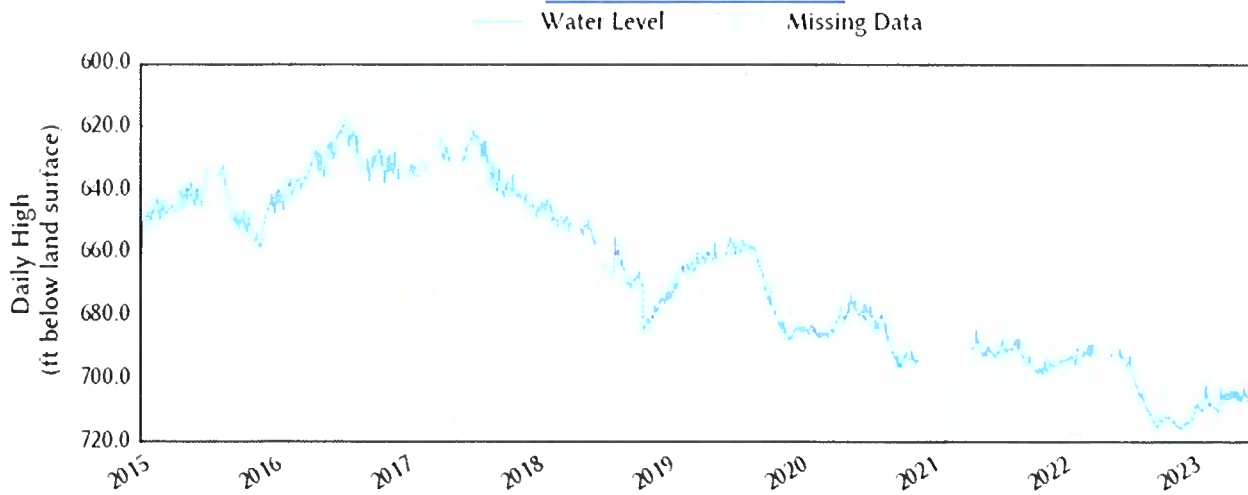
Last 30 Days



1 Year



Period Of Record



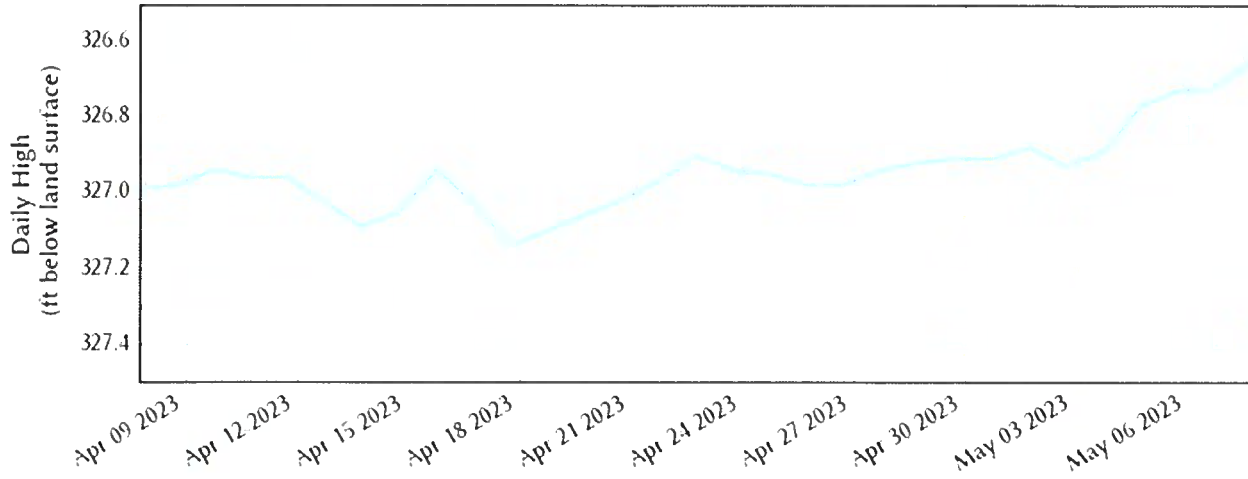
May 2023

**Continuous Monitoring Well # 4057601
(Copperas Cove)
Middle Trinity Aquifer**

Total Depth: 469ft

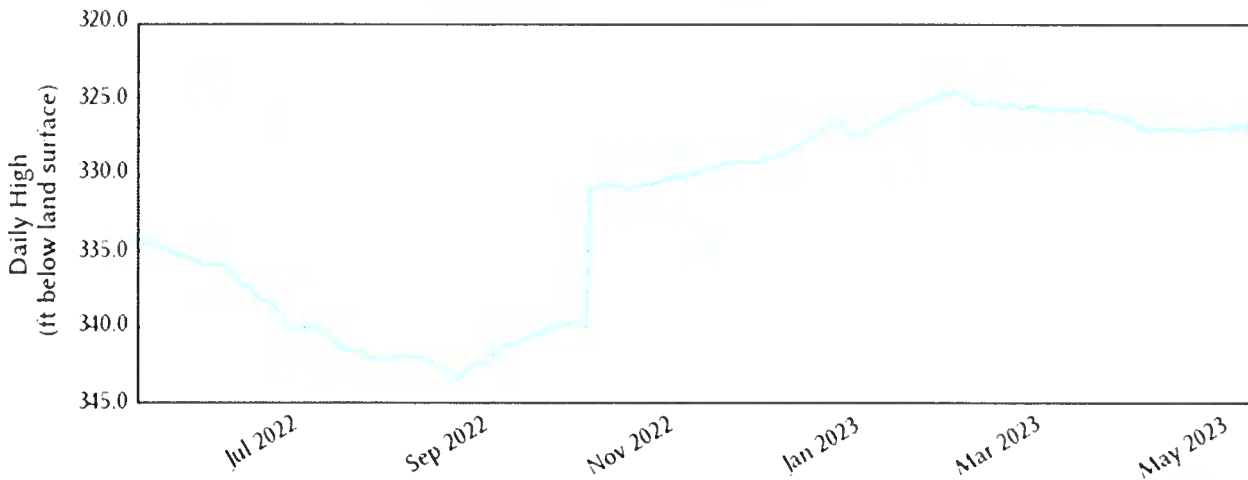
Last 30 Days

Water Level



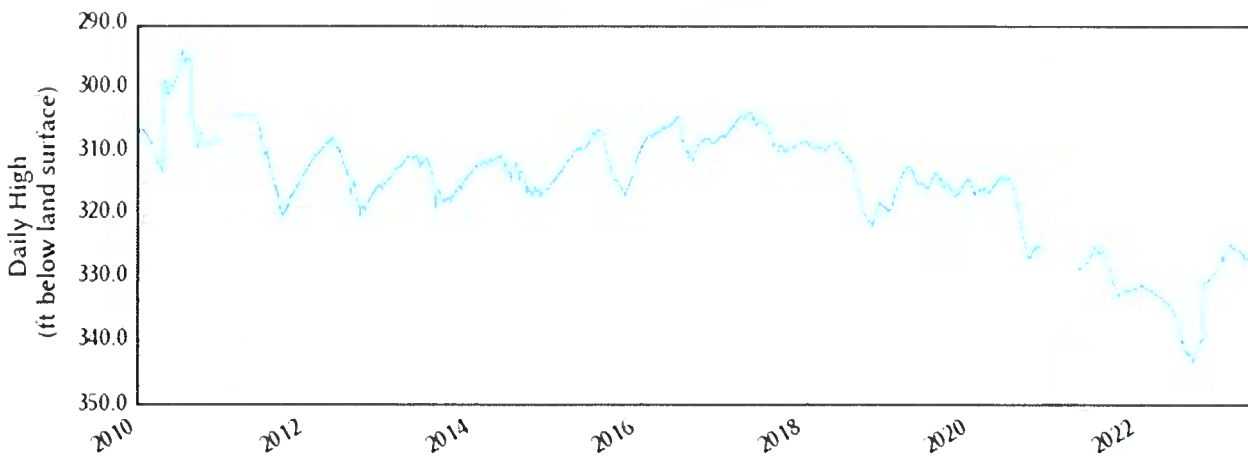
1 Year

Water Level Missing Data



Period Of Record

Water Level Missing Data

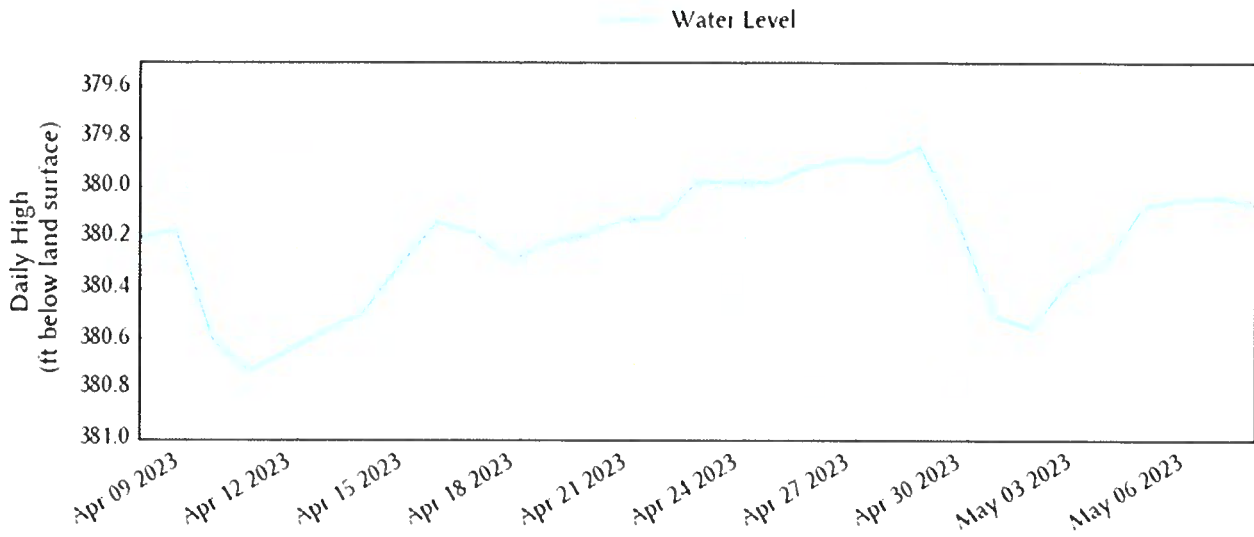


May 2023

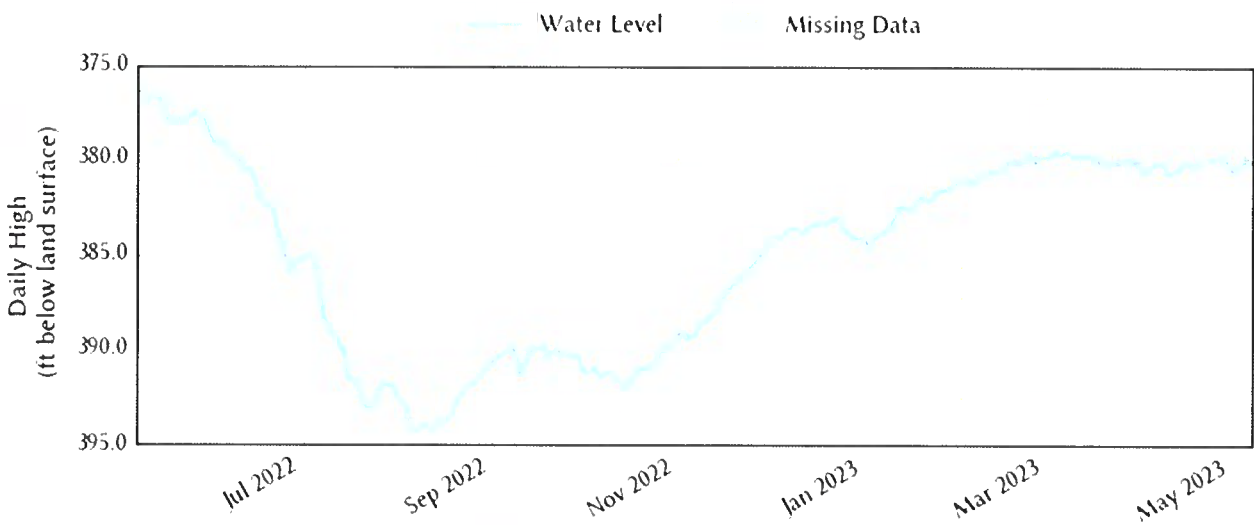
**Continuous Monitoring Well # 5802304
(Killeen - River Ridge Ranch Park Well #1)
Middle Trinity Aquifer**

Total Depth: 467 ft

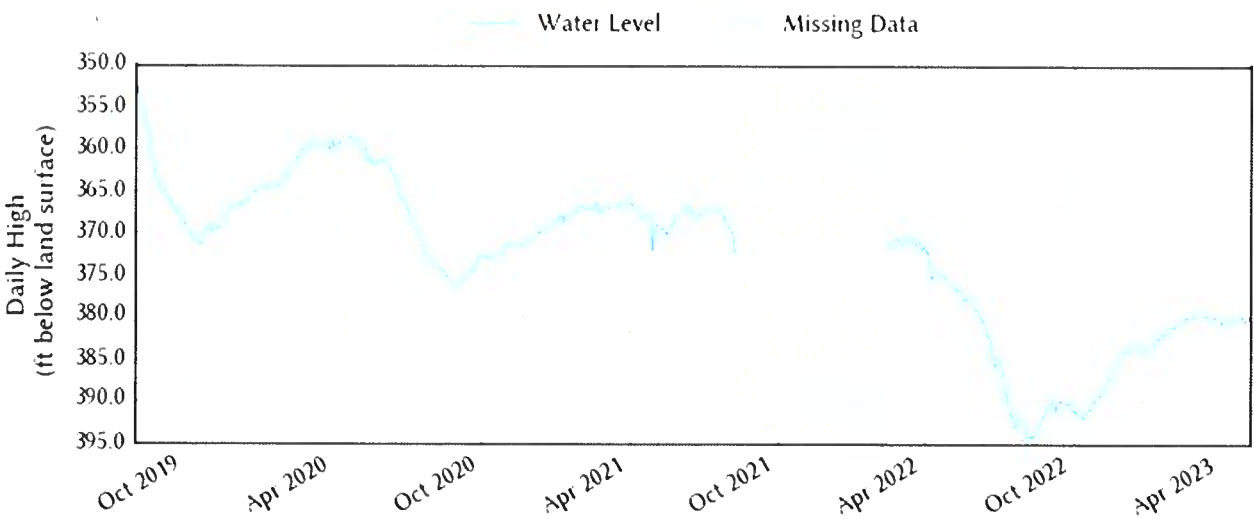
Last 30 Days



1 Year



Period Of Record

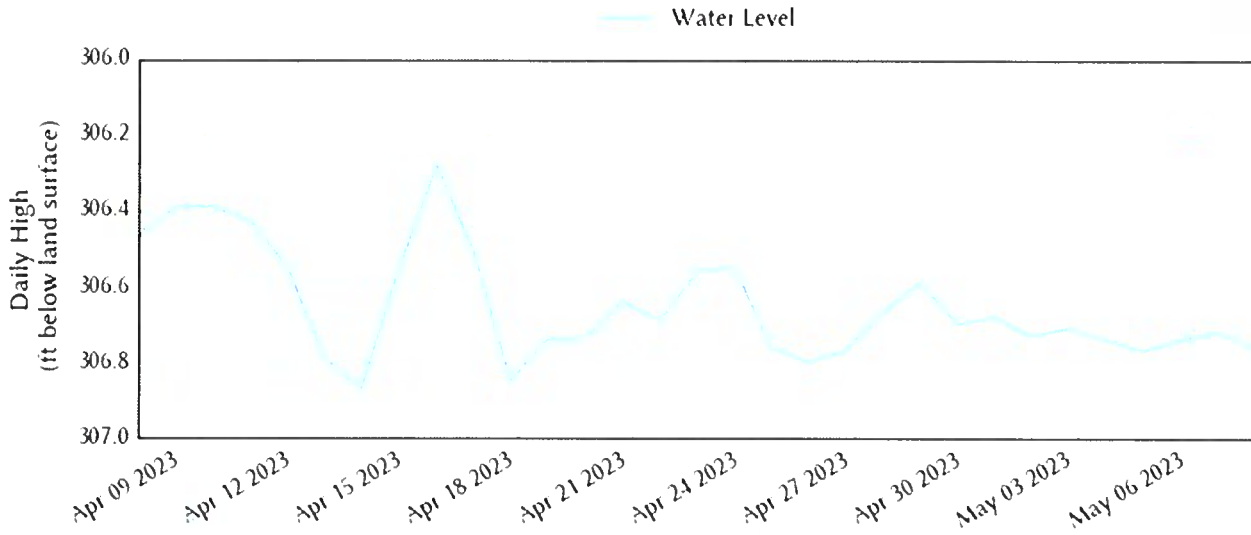


May 2023

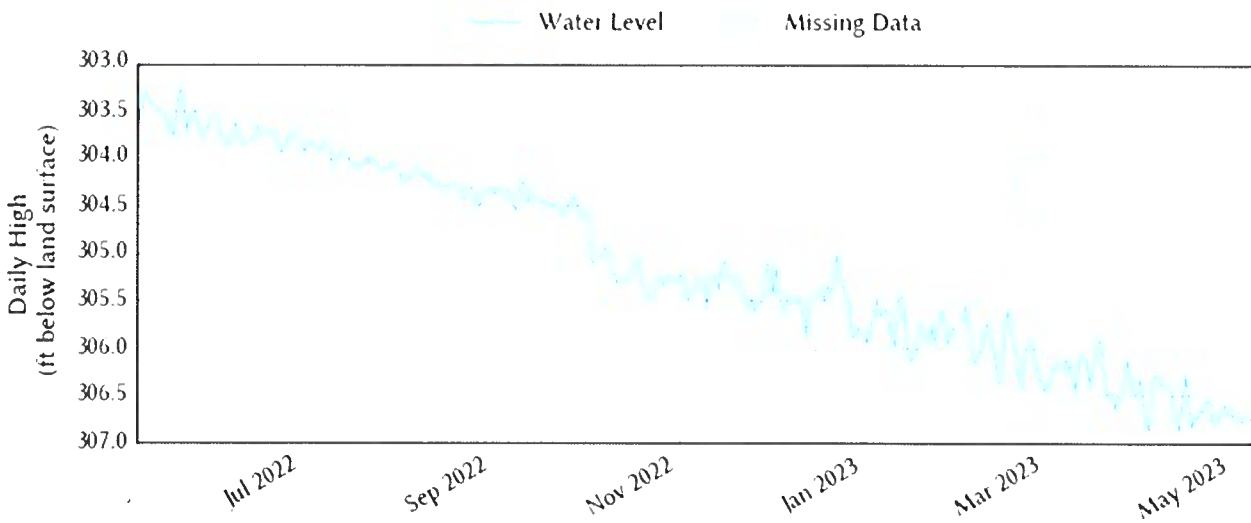
**Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer**

Total Depth: 629 ft

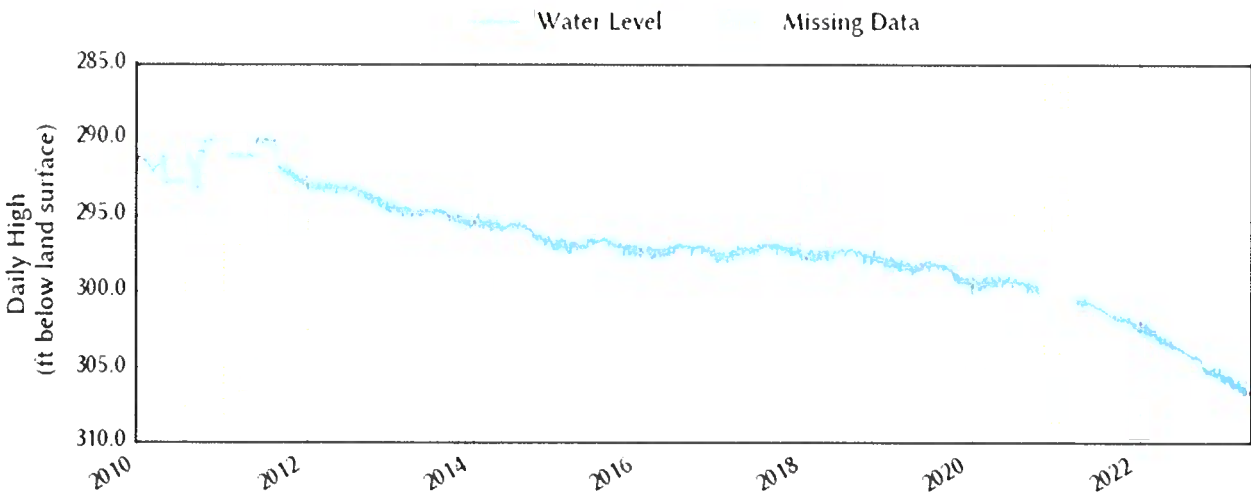
Last 30 Days



1 Year



Period Of Record

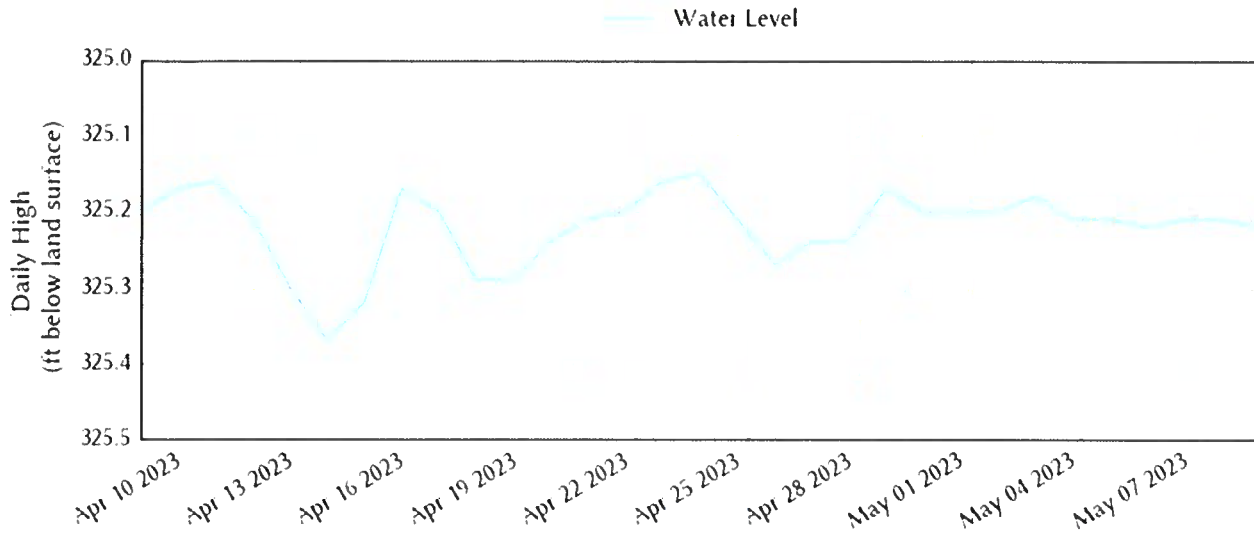


May 2023

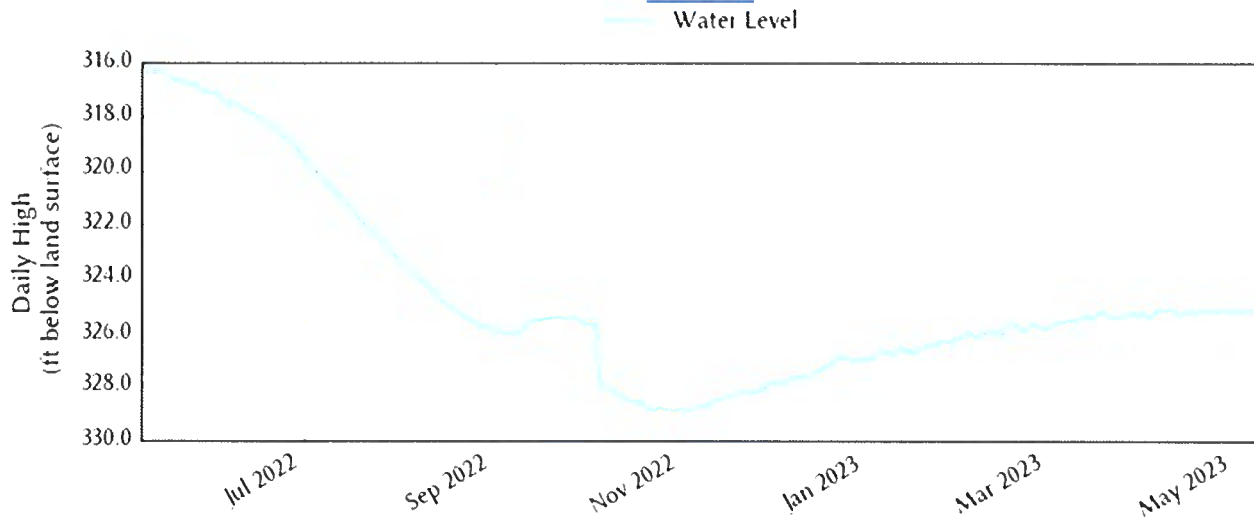
**Continuous Monitoring Well # 5802303
(Killeen - River Ridge Ranch Park Well #2)
Lower Trinity Aquifer**

Total Depth: 637 ft

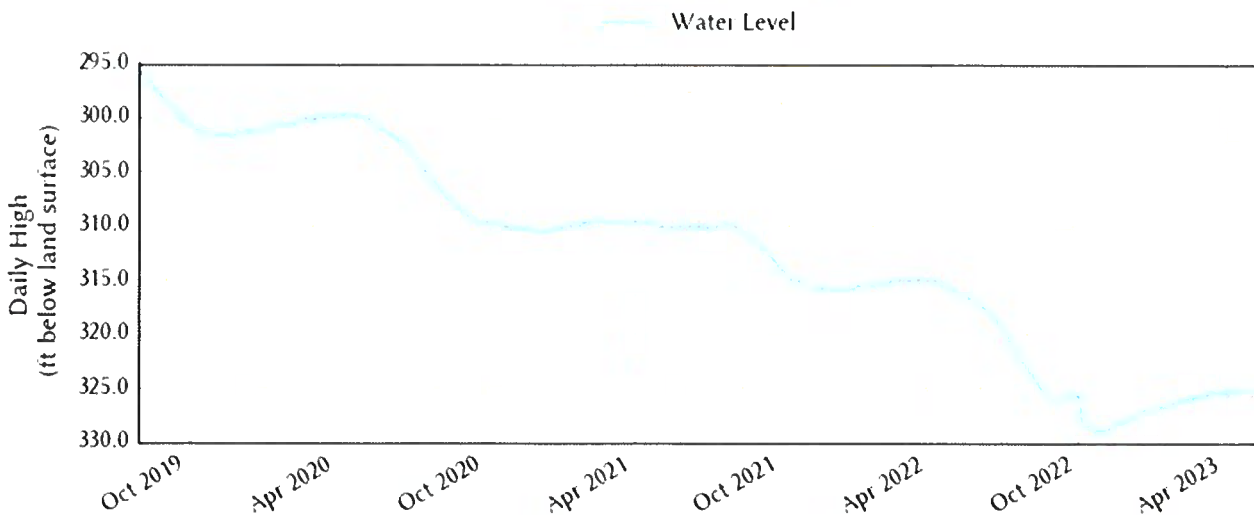
Last 30 Days



1 Year



Period Of Record

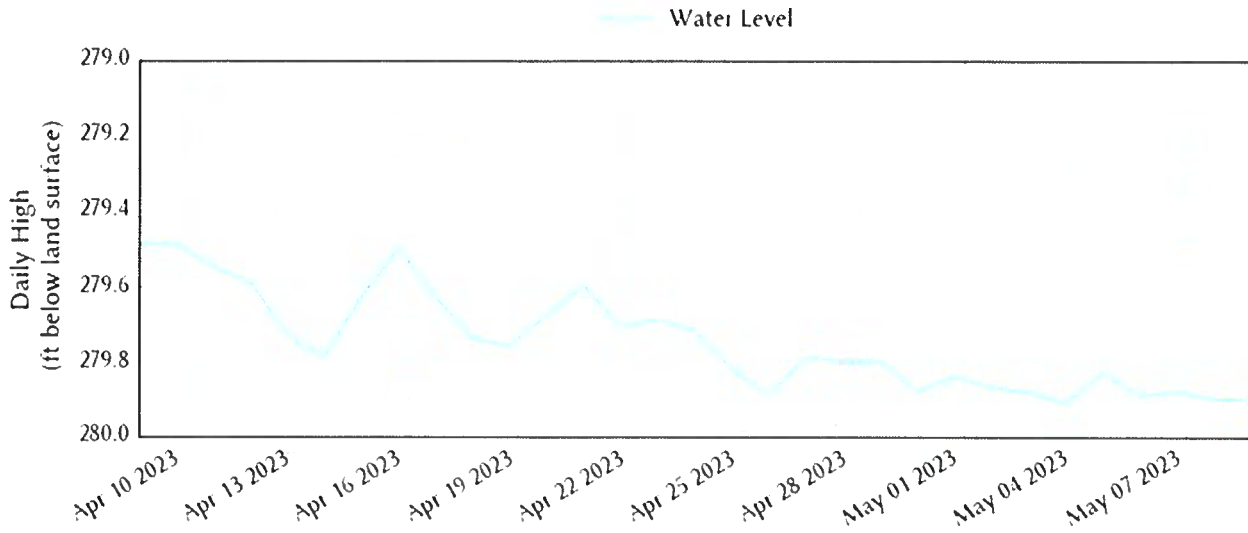


May 2023

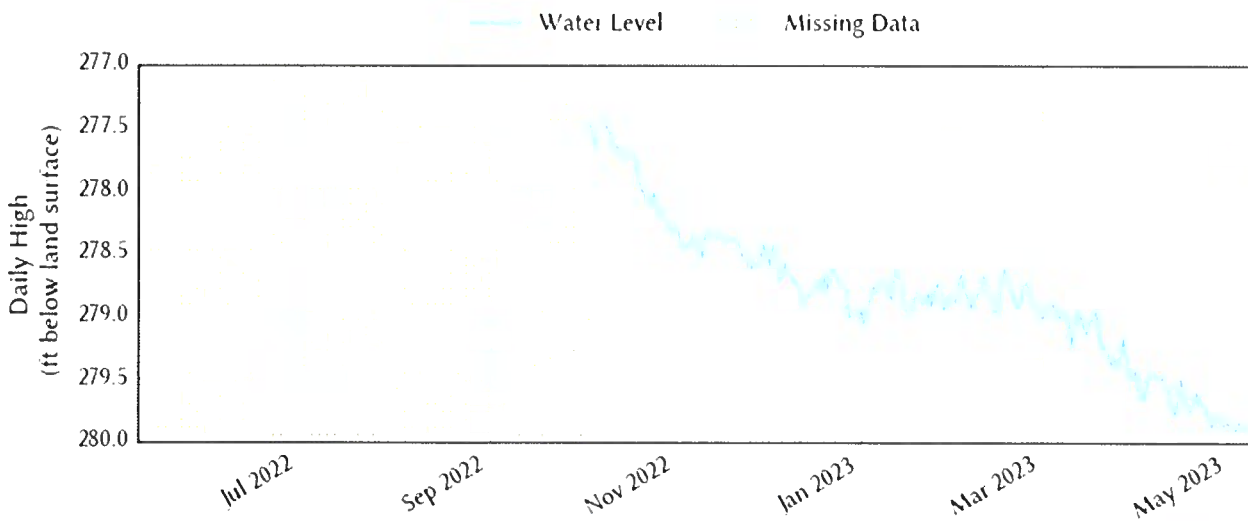
**Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer**

Total Depth: 1,261 ft

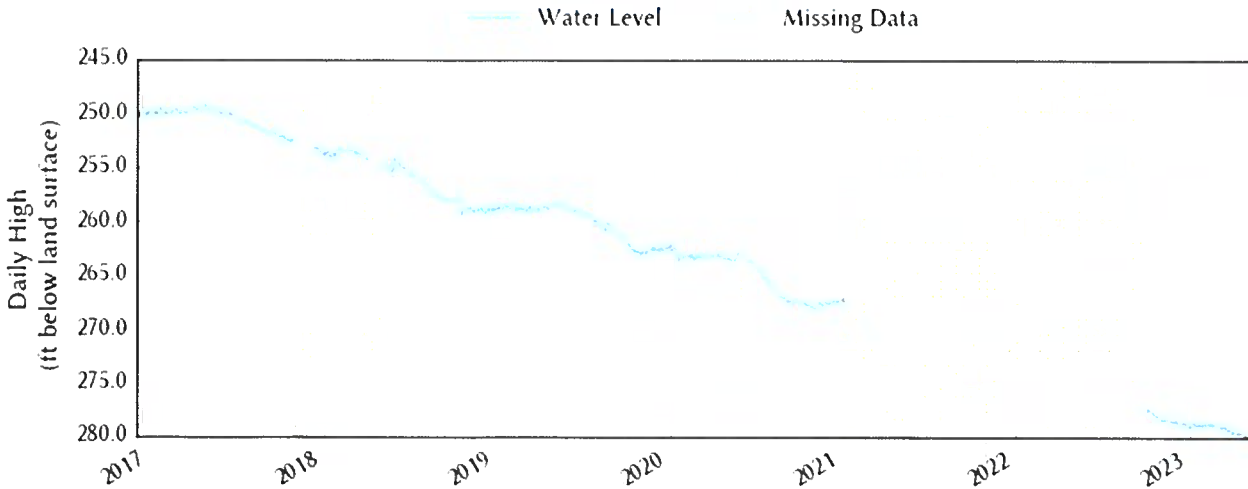
Last 30 Days



1 Year



Period Of Record

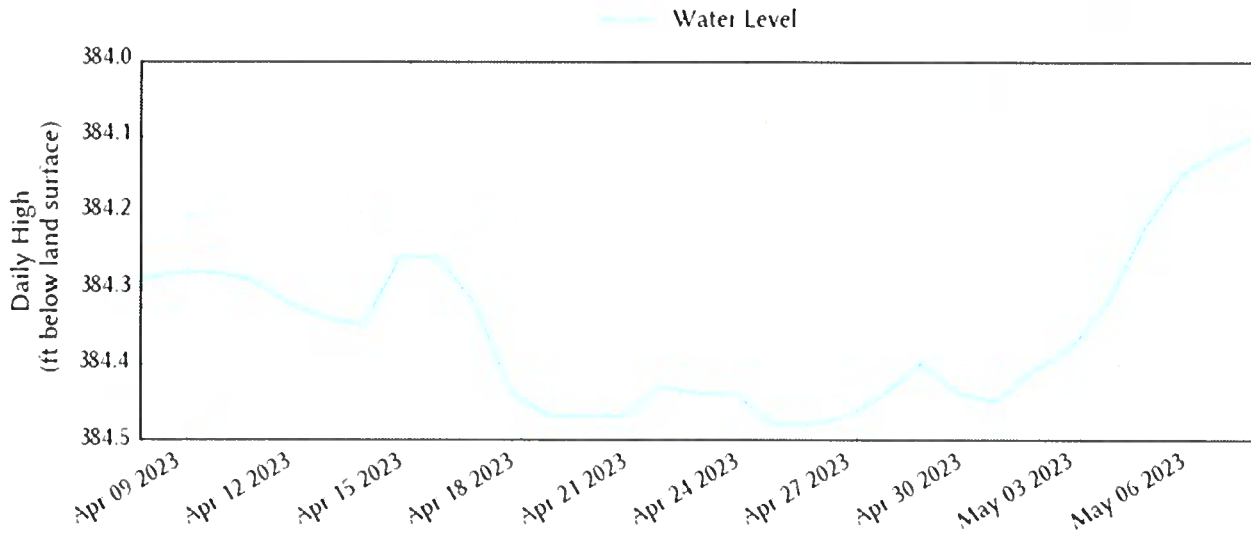


May 2023

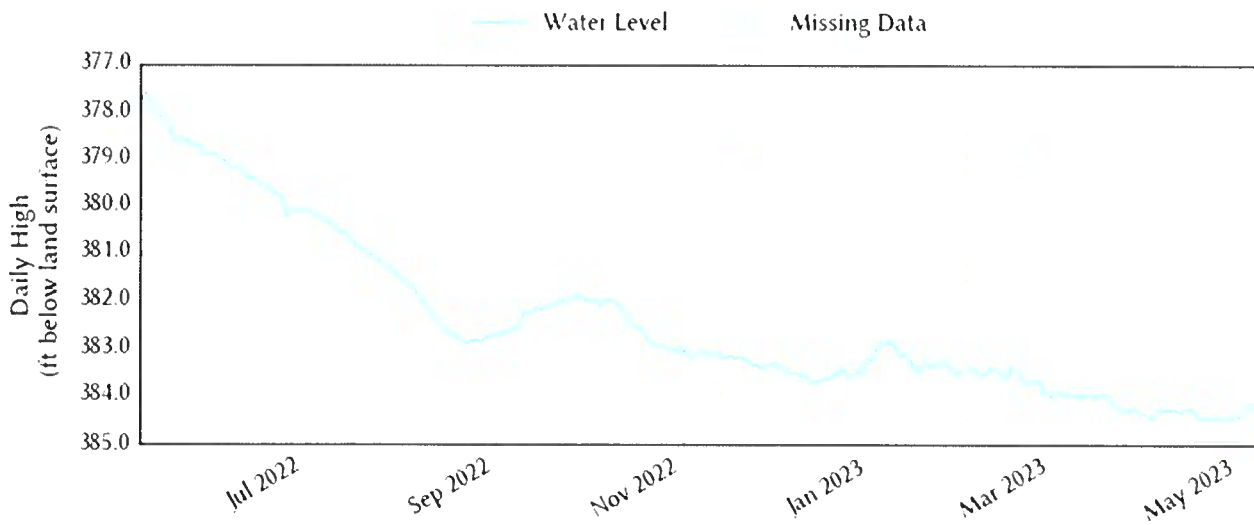
**Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer**

Last 30 Days

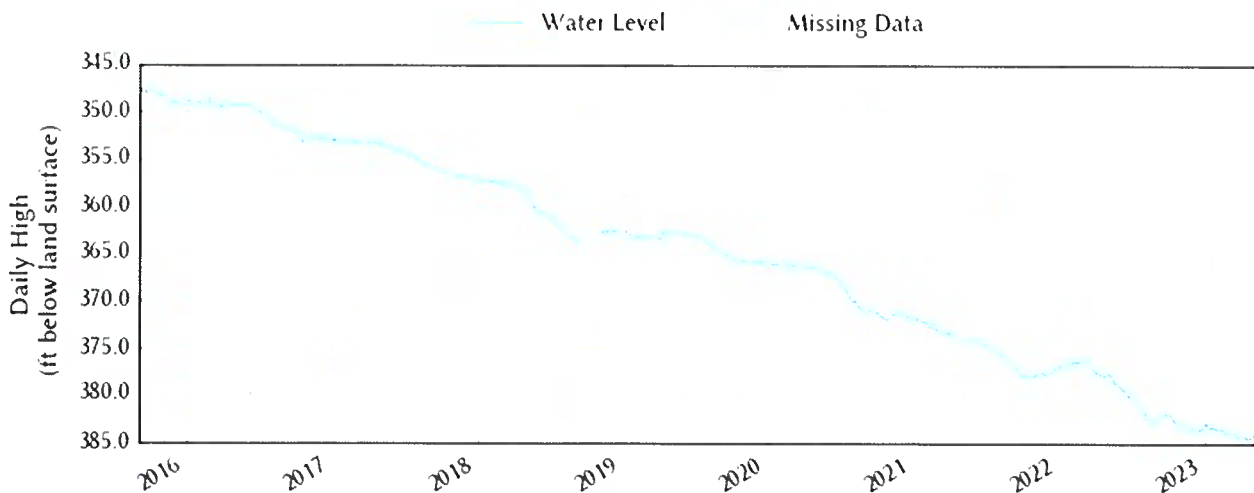
Total Depth: 2,236 ft



1 Year



Period Of Record

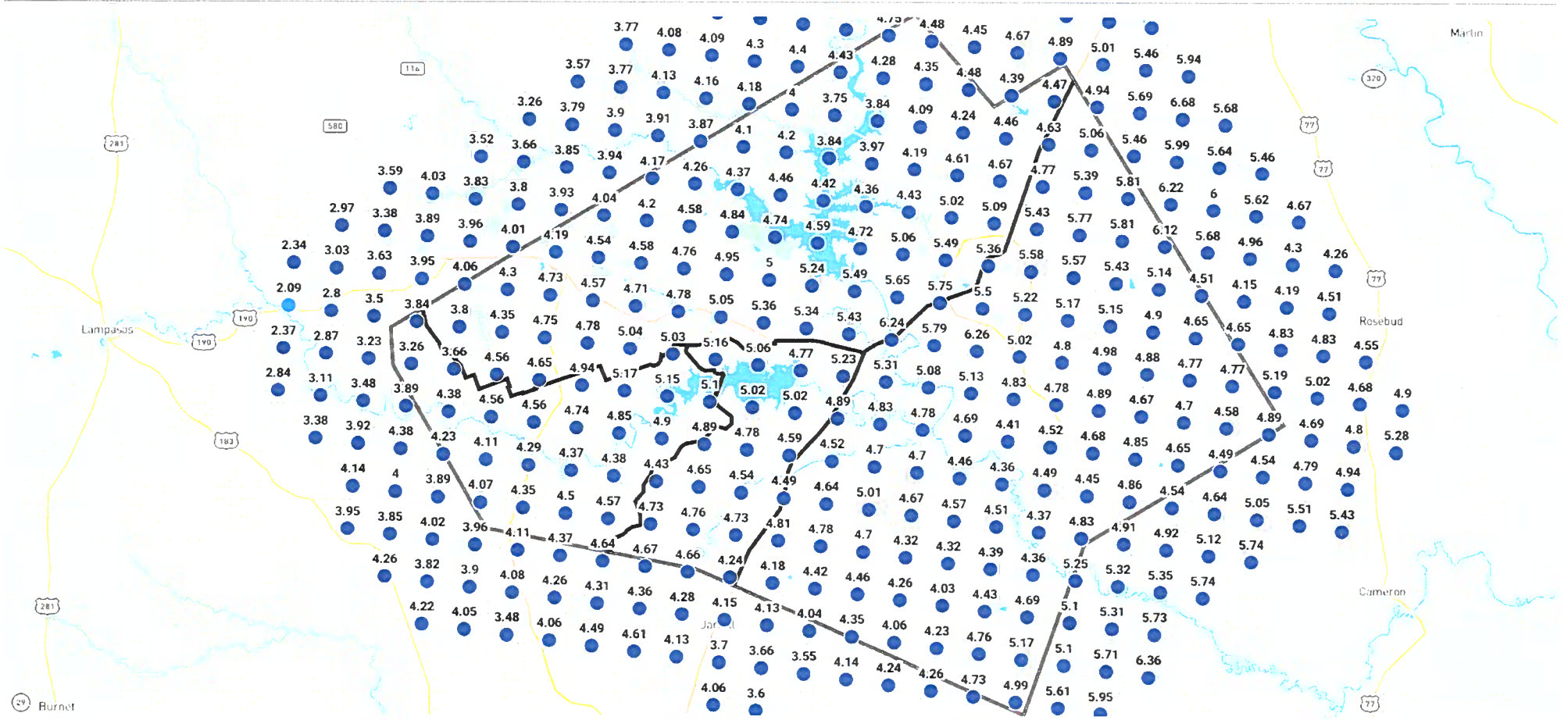




CUWCD Map

NOAA 30 Day Rainfall

Created: May 8th 2023, 7:58am

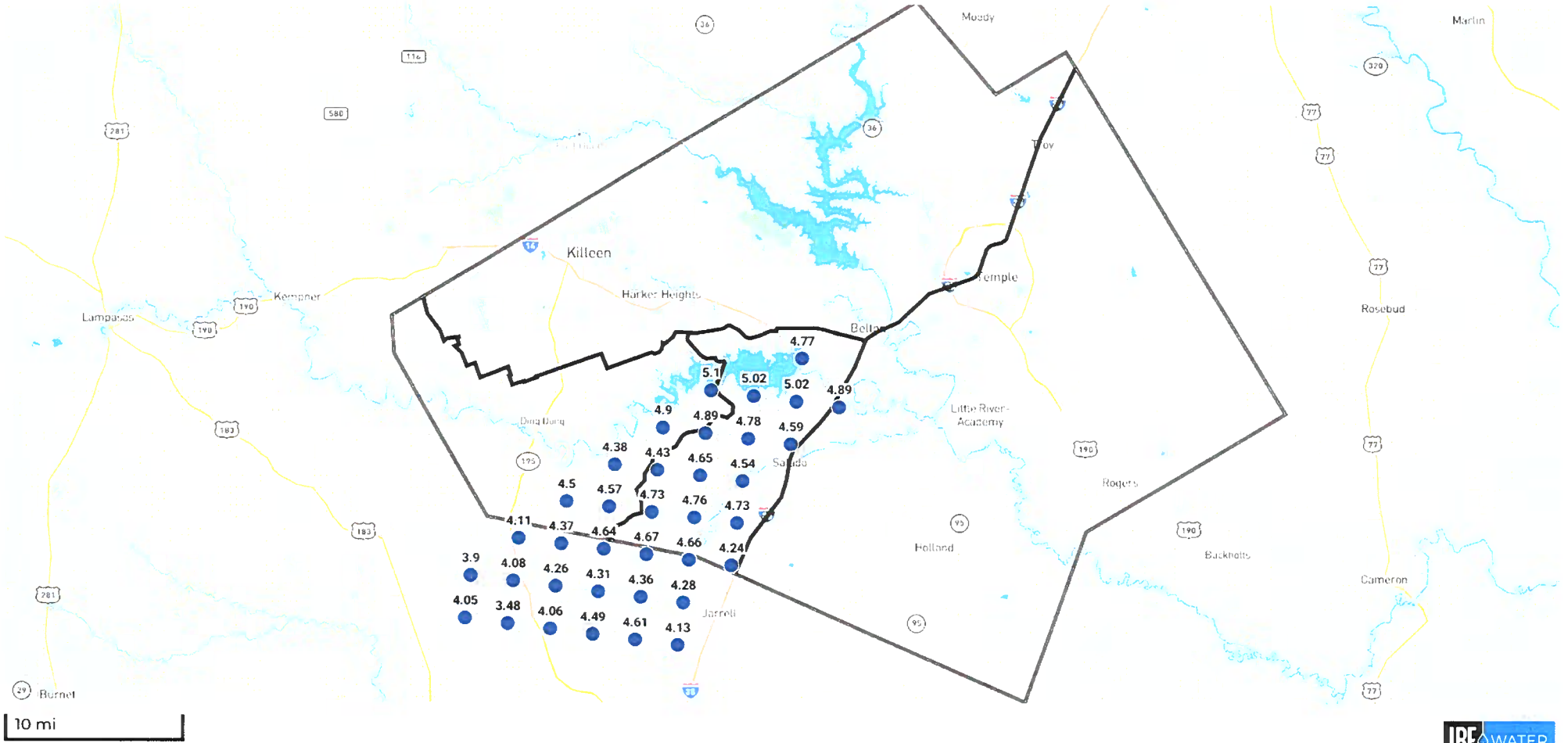


10 mi





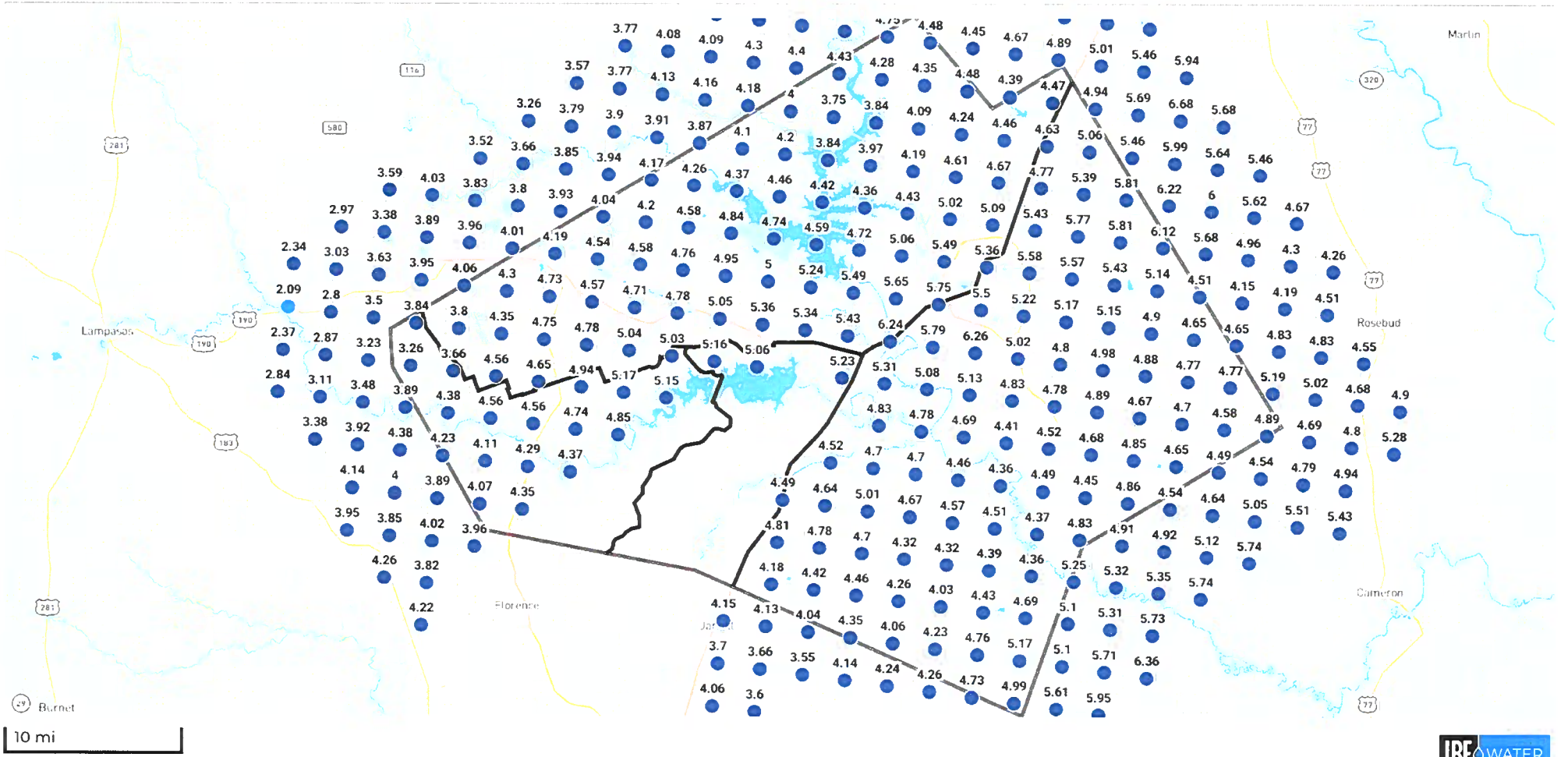
CUWCD Map
NOAA 30 Day Rainfall - Edwards BFZ
Created: May 8th 2023, 7:59am



CUWCD Map

NOAA 30 Day Rainfall - Trinity

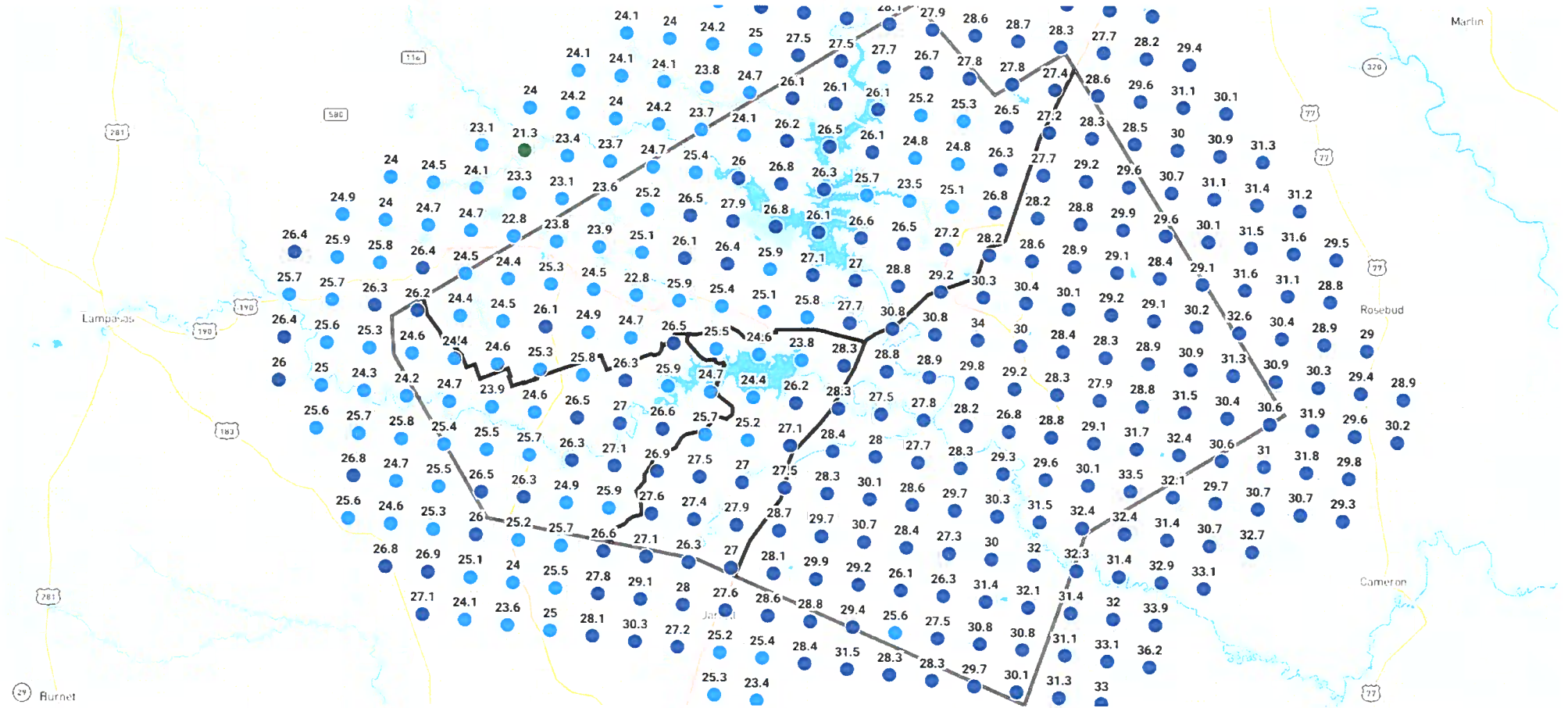
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CUWCD Map

NOAA 365 Day Rainfall

Created: May 8th 2023, 7:59am

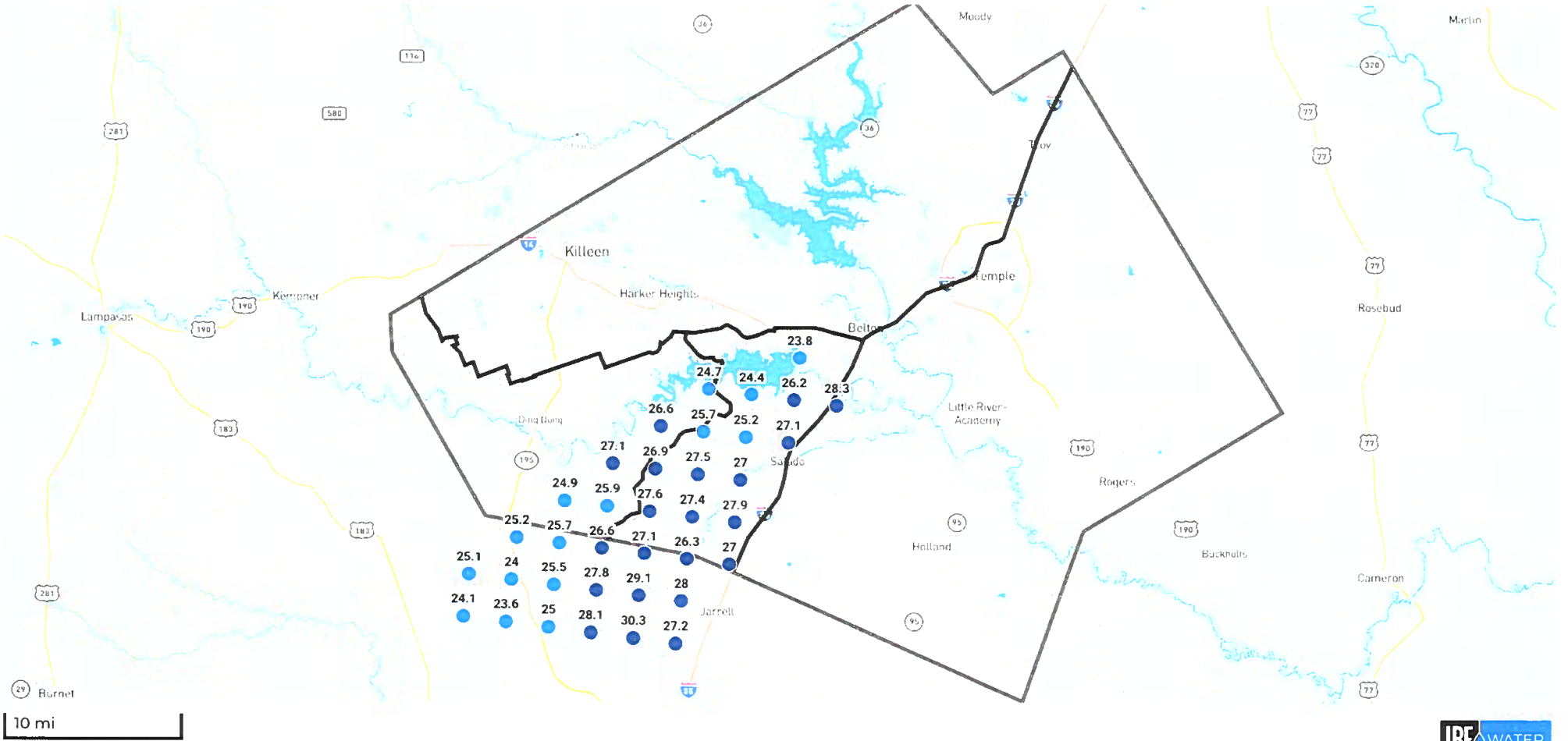


10 mi

CUWCD Map

NOAA 365 Day Rainfall - Edwards BFZ

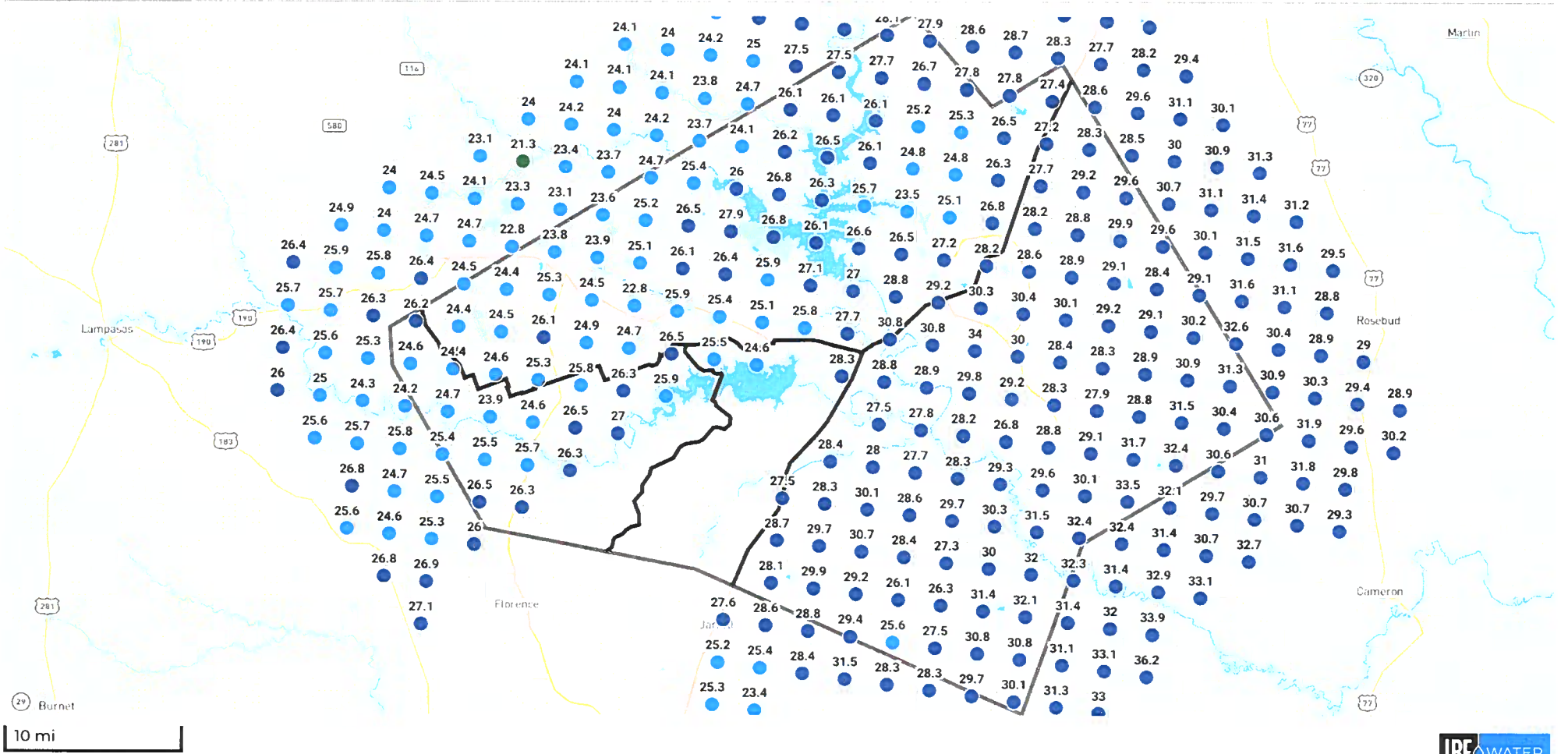
Created: May 8th 2023, 8:00am



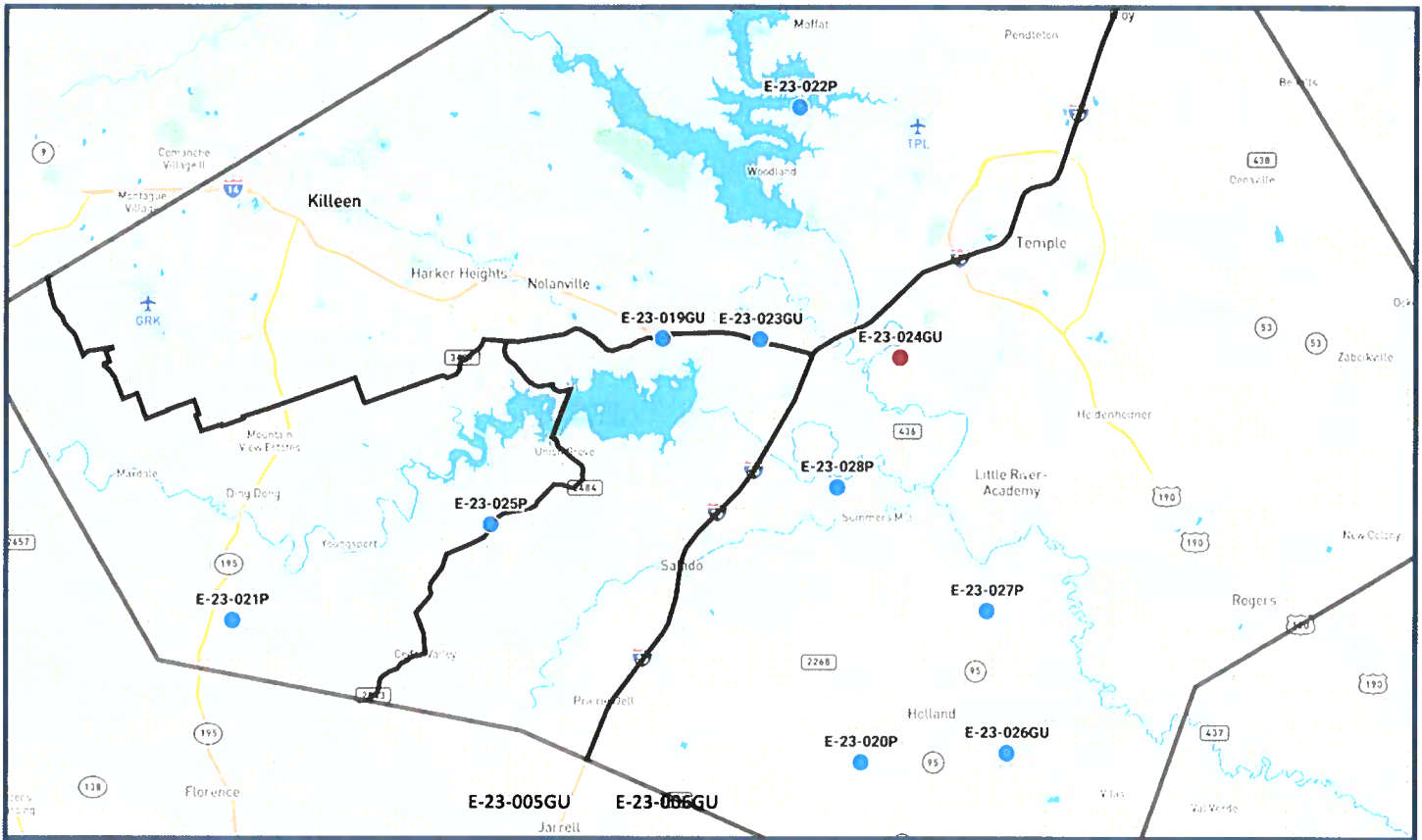
CUWCD Map

NOAA 365 Day Rainfall - Trinity

Created: May 8th 2023, 8:00am



Registered Wells - April 2023



<u>Well #</u>	<u>Well Owner</u>	<u>Address</u>	<u>City</u>	<u>Aquifer</u>	<u>Depth</u>	<u>Use</u>	<u>Status</u>
E-23-019GU	Stephen Foster	2805 Simmons Rd	Belton	Edwards Equiv.	125	Domestic	Abandoned
E-23-020P	Tim Truelove	19291 Romberg Rd	Holland	Alluvial	60	Domestic	Proposed
E-23-021P	Randy Eldridge	247 Blueberry Rd	Killeen	Middle Trinity	480	Domestic	Proposed
E-23-022P	Dean Winkler	13349 Rattlesnake Rd	Belton	Middle Trinity	900	Domestic	Proposed
E-23-023GU	TH Belton Industrial QOZB I LP	7701 Lemmon Ave	Dallas	Edwards Equiv.	125	Domestic	Abandoned
E-23-024GU	Hollingshead Materials LLC	1000 Hollingshead Circle	Murphrees- boro, NJ	Lower Trinity	1388	Industrial	Plugged
E-23-025P	Curtis Harris	14424 Crows Ranch Rd	Salado	Middle Trinity	840	Domestic	Proposed
E-23-026GU	Brian Burkhart	16517 Sybert School Rd	Holland	Alluvial	35	Domestic	Inactive
E-23-027P	Noel White	12171 Landfill Rd	Holland	Alluvial	100	Domestic	Proposed
E-23-028P	Willie Herring	6612 Armstrong Rd	Belton	Edwards (BFZ)	200	Livestock/ Poultry	Proposed

Well Registration Totals - April 2023

Year	Exempt Wells		Non-Exempt Wells				Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Class 3	Water	Envr	
2002 - 2022	4469	1222	107	37	67	1	24	121	6048
2023 - Jan	1	2	0	0	0	0	0	0	3
Feb	5	3	0	0	0	0	0	0	8
Mar	0	7	0	0	0	1	0	0	8
April	4	6	0	0	0	0	0	0	10
May									0
June									0
July									0
Aug									0
Sep									0
Oct									0
Nov									0
Dec									0
Total 2022	10	18	0	0	0	1	0	0	29
Grand Totals	4479	1240	107	37	67	2	24	121	6077

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells				Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Class 3	Water	Envr	
2002-Present	4479	1240	107	37	67	2	24	121	6077
**Never Drilled	N/A	-41	N/A	-5	-10	0	-1	0	-57
**Plugged	-282	-51	-18	-2	-1	0	-2	-60	-416
**Totals	4197	1148	89	30	56	2	21	61	5604

(**adjustment updated 5/8/23)