



Clearwater Underground Water Conservation District

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Leland Gersbach, President

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Clearwater Staff Reports

August 9, 2023

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

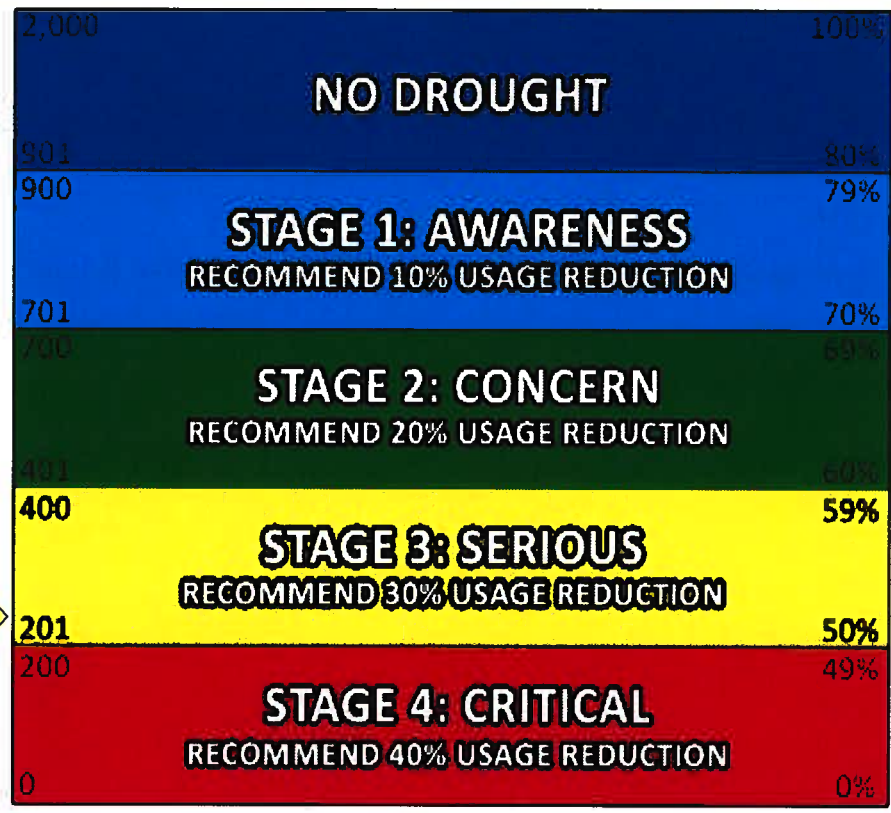
Edwards BFZ Aquifer—Drought Status Report

STAGE 3: SERIOUS

Salado Creek
Spring Discharge

As of 8/7/2023

236,588 ac-ft (month)
3.976 cfs



Precipitation Deficit Index (PDI)

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

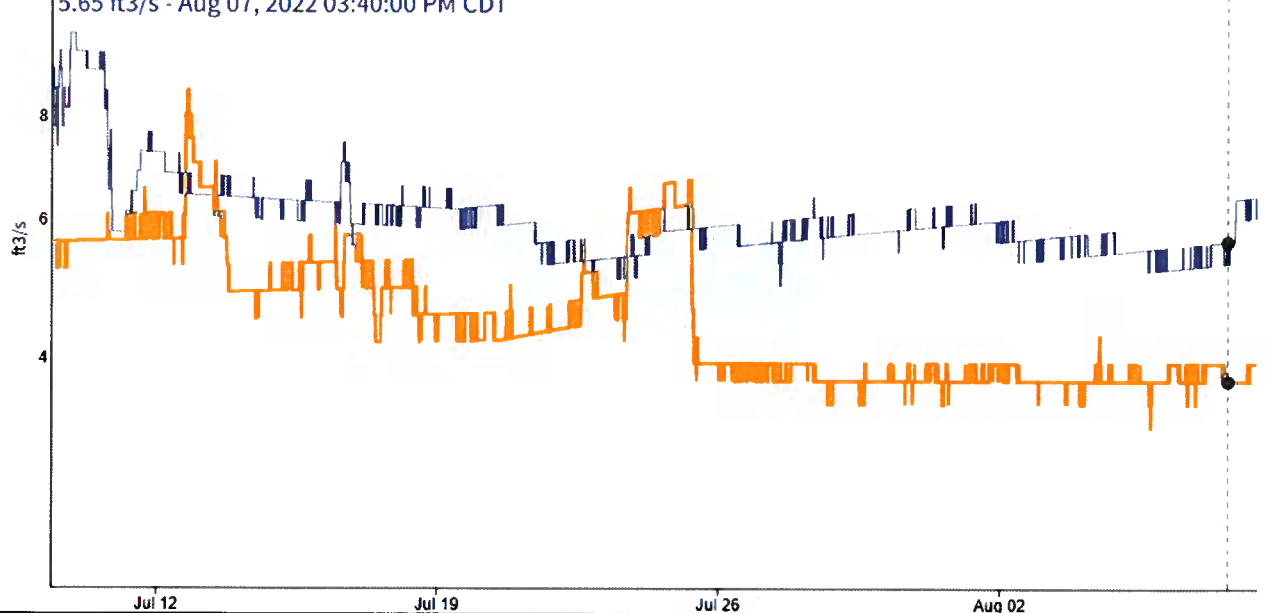
7 days 30 days 1 year

Salado Ck at Salado, TX - 08104300

July 9, 2023 - August 8, 2023

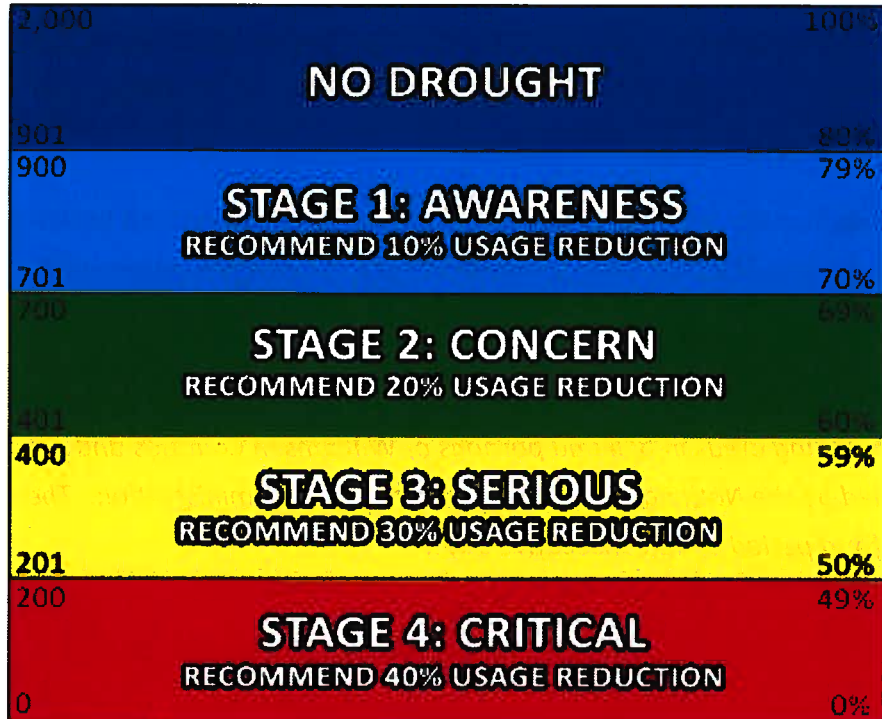
Streamflow, ft³/s

3.74 ft³/s - Aug 07, 2023 03:40:00 PM CDT
 5.65 ft³/s - Aug 07, 2022 03:40:00 PM CDT



Trinity Aquifer—Drought Status Report

NO DROUGHT

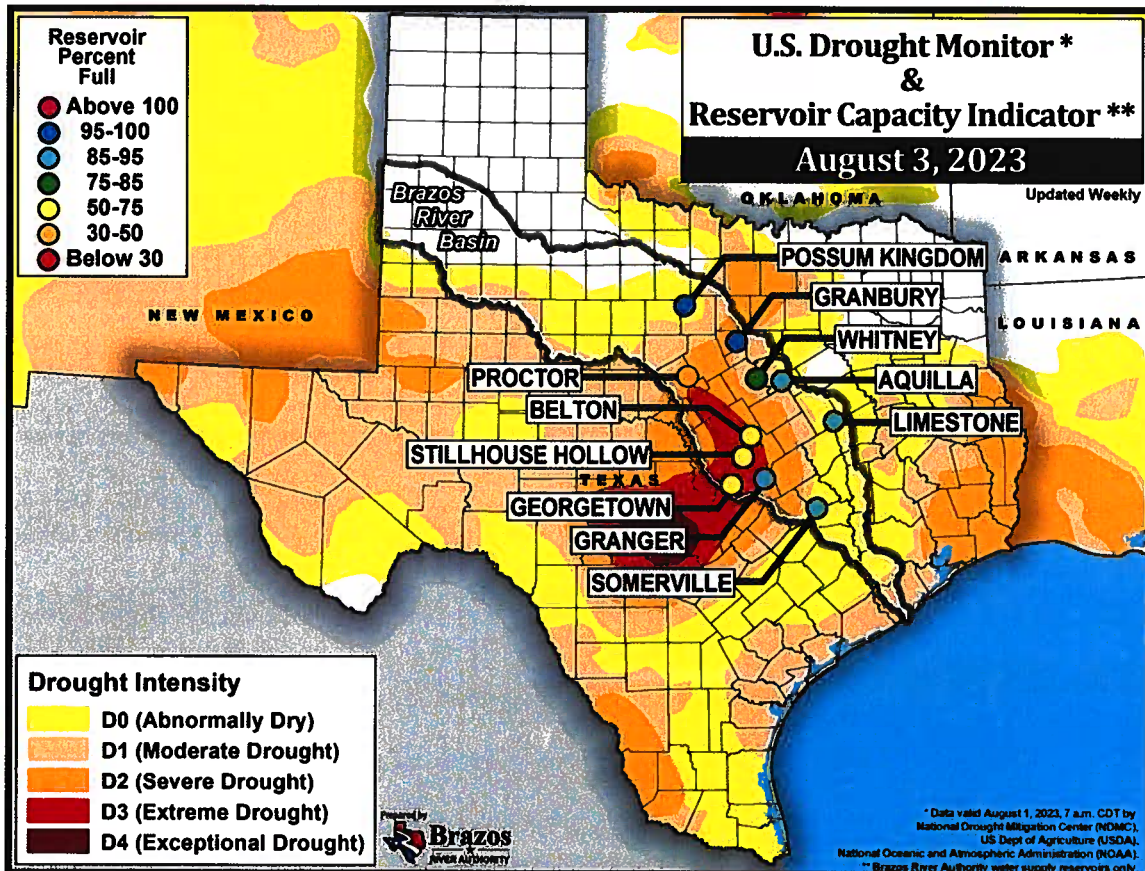


← 28.926 PDI
87.65%

Precipitation Deficit Index (PDI)

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

AS OF 8/7/2023





Education Outreach Highlights 8/9/23

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).

- July 6 – Staff presented at the STEM Camp hosted by TAMU-CT. 19 in attendance.
- July 18 – Staff presented at the Texas Well Owner’s Network program at TAMU-CT. 42 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).

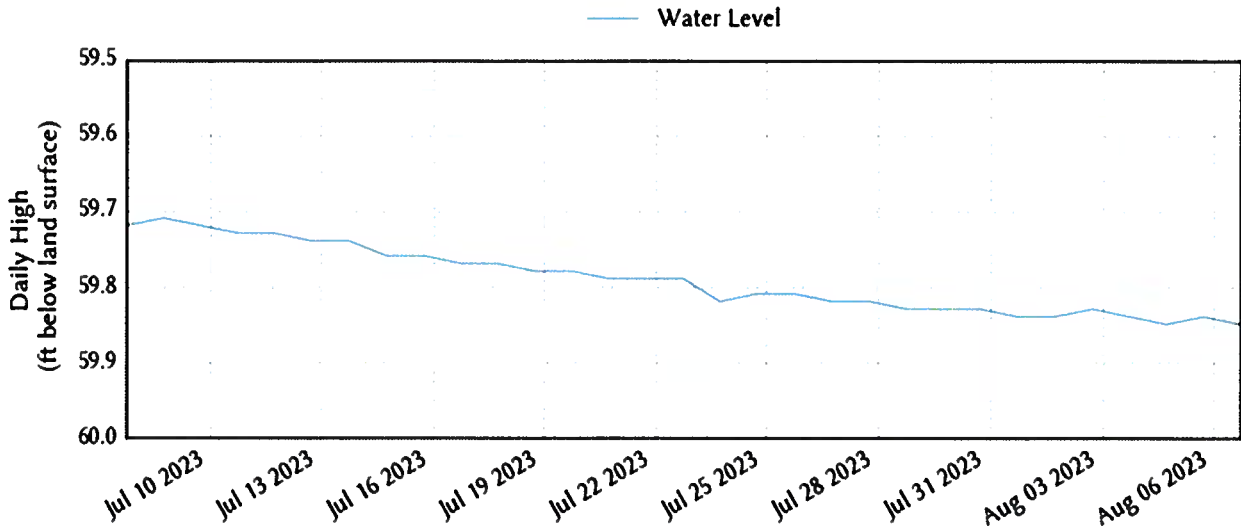
- Staff is preparing for the annual water symposium on, Tuesday, November 14, 2023.

August 2023

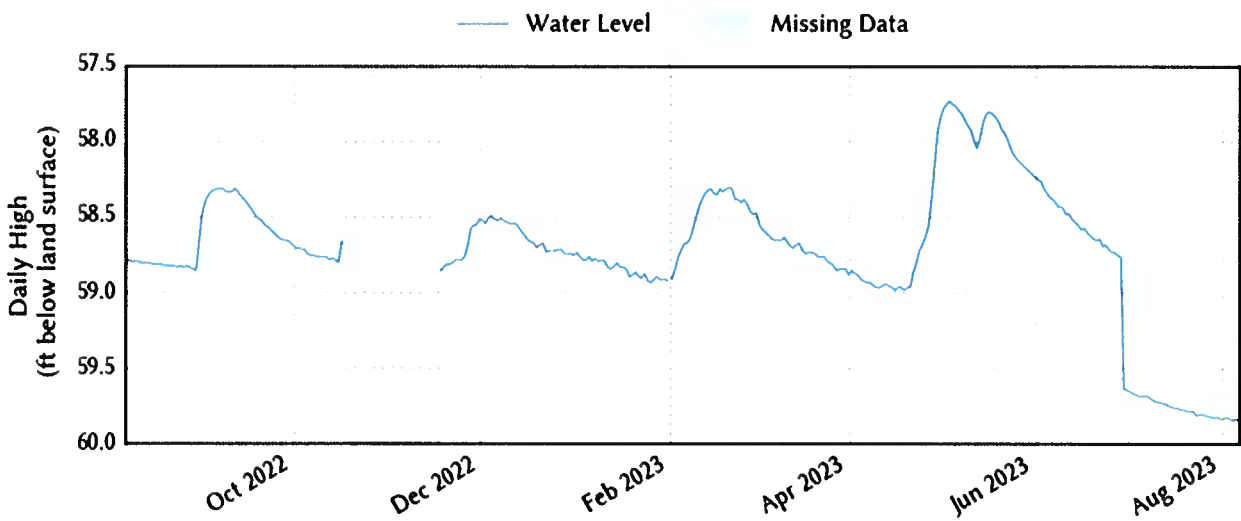
**Continuous Monitoring Well # 5803702
(Gault Site - Williamson County)
Edwards Aquifer**

Last 30 Days

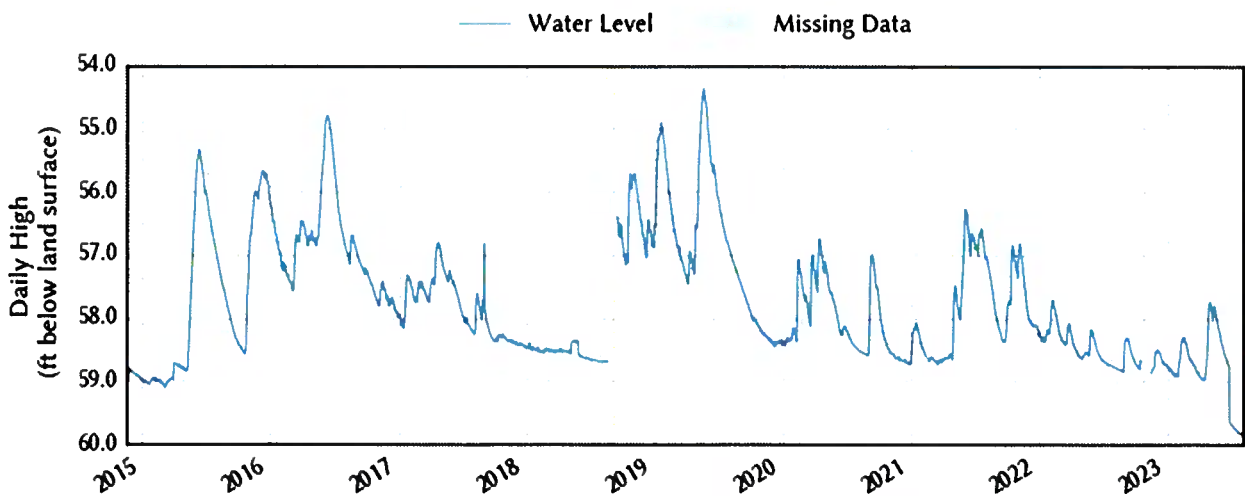
Total Depth: 110 ft



1 Year



Period Of Record

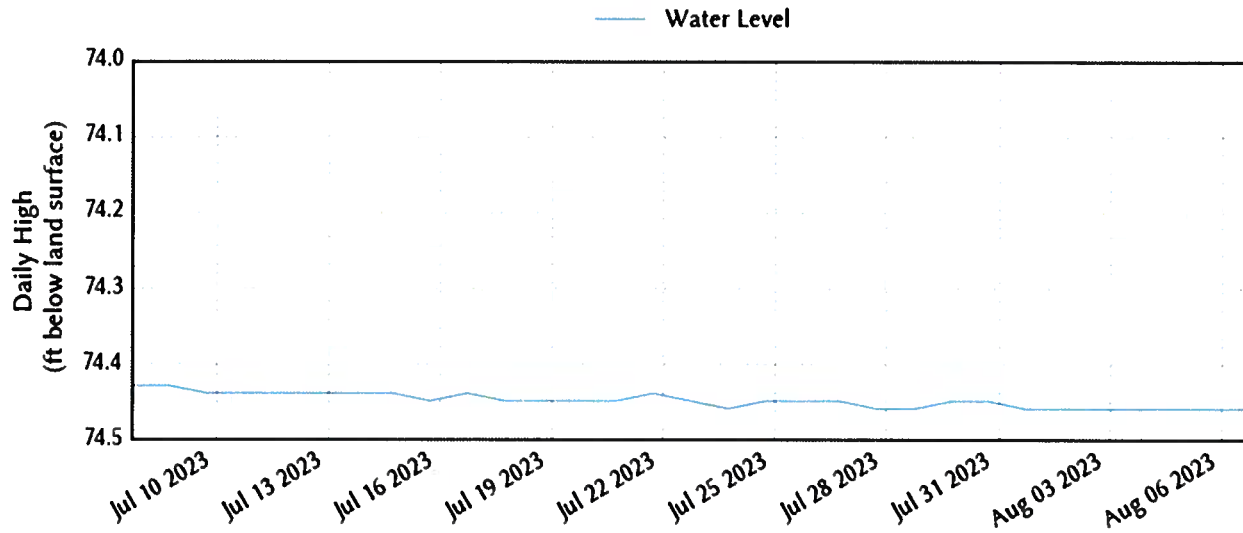


August 2023

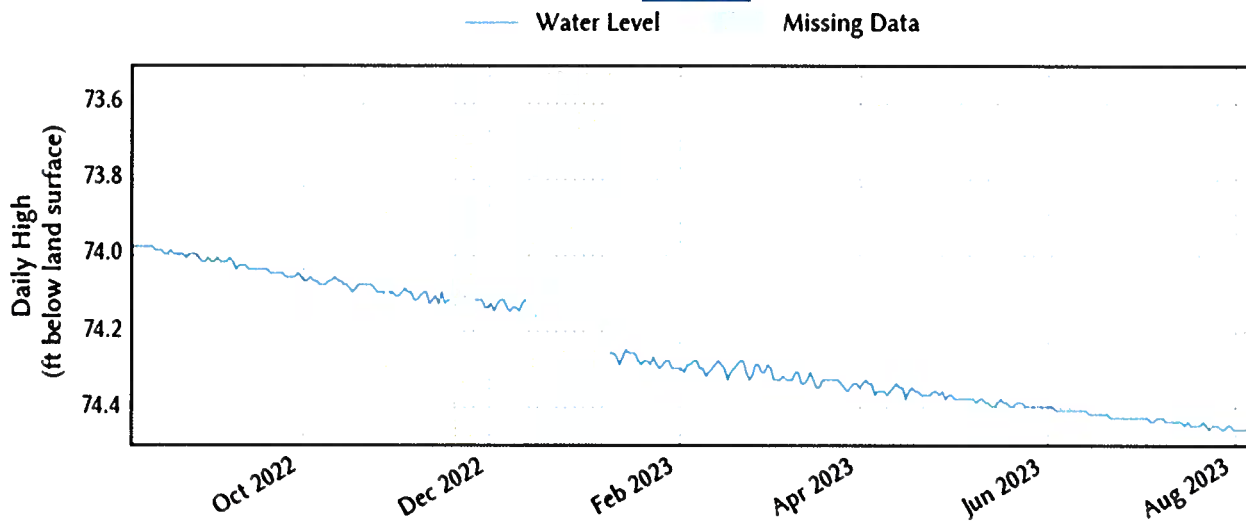
**Continuous Monitoring Well # 5804702
(FM 2843 - Patterson's Crossing - Salado Creek)
Edwards Aquifer**

Last 30 Days

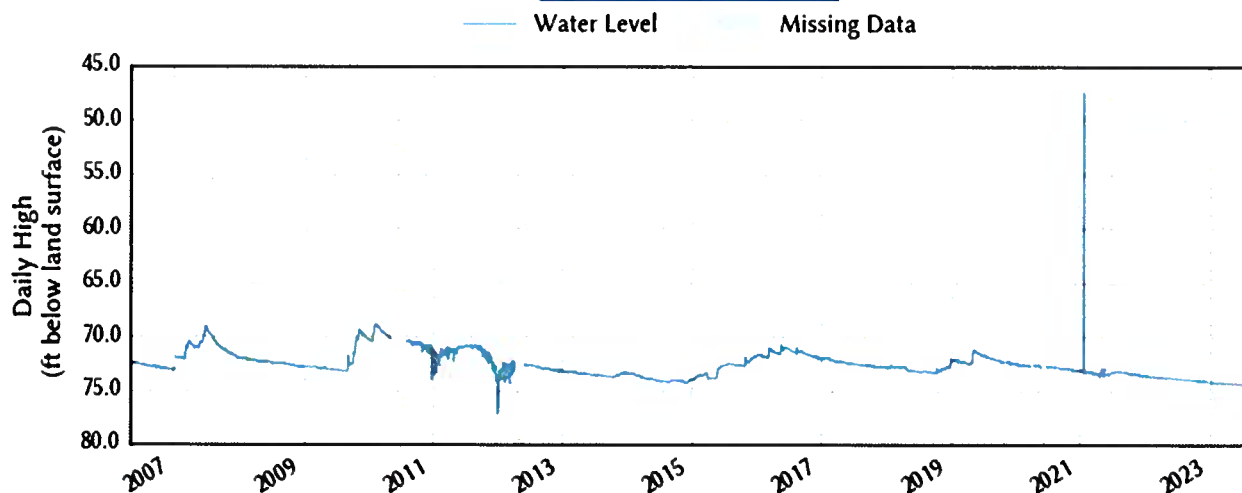
Total Depth: 95 ft



1 Year



Period Of Record

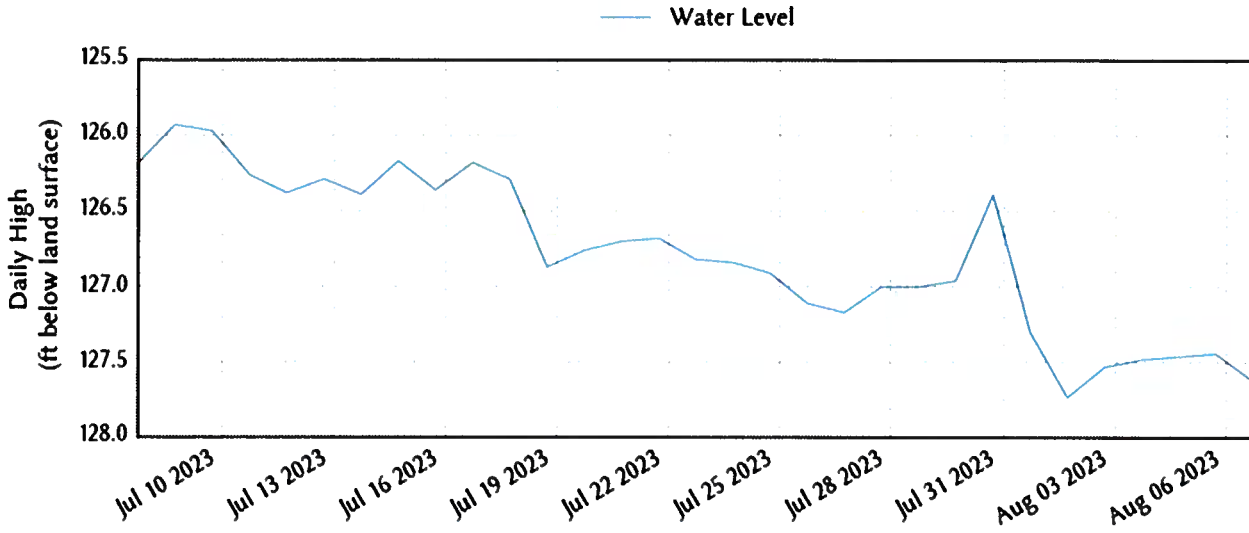


August 2023

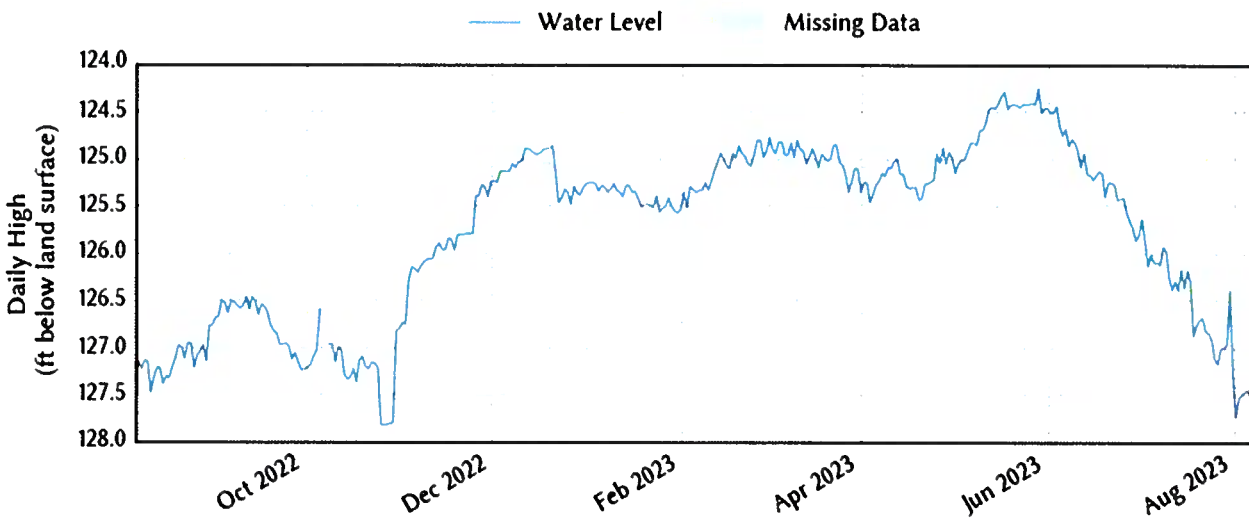
**Continuous Monitoring Well # 5804816
(IH-35 Rest Stop - West)
Edwards Aquifer**

Last 30 Days

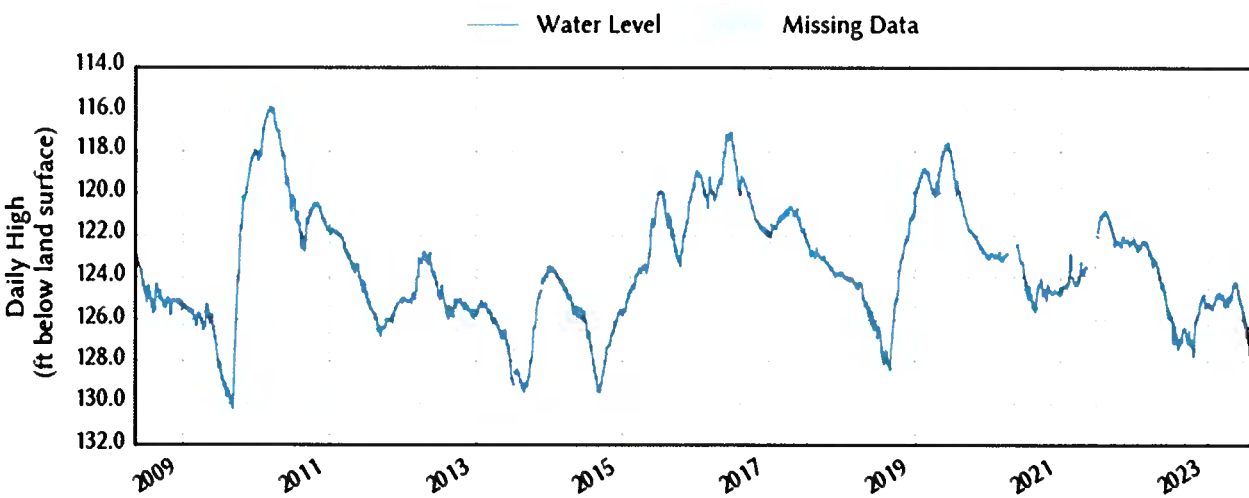
Total Depth: 170 ft



1 Year



Period Of Record

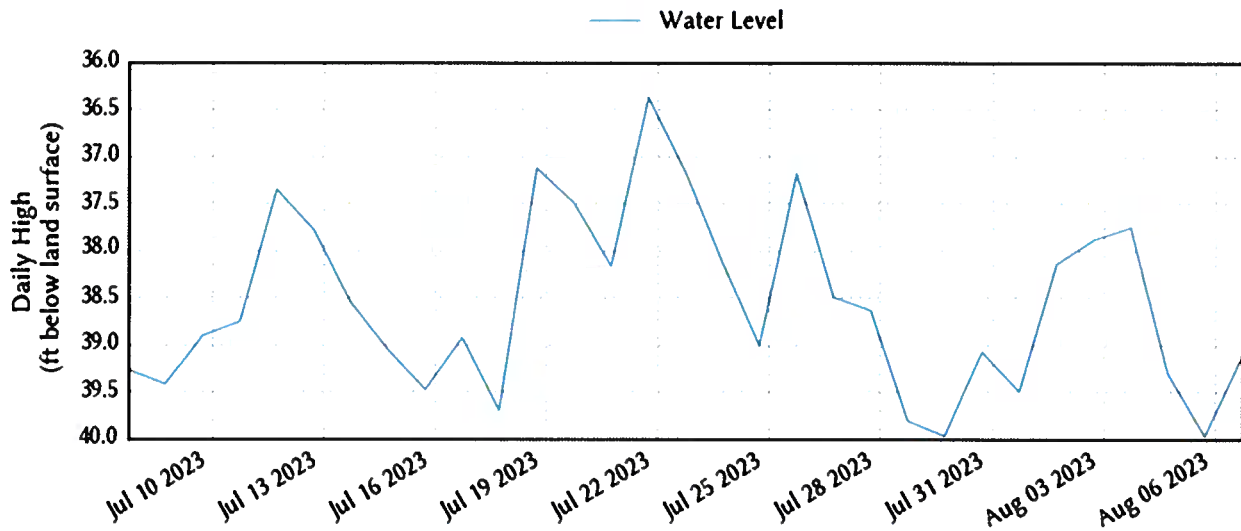


August 2023

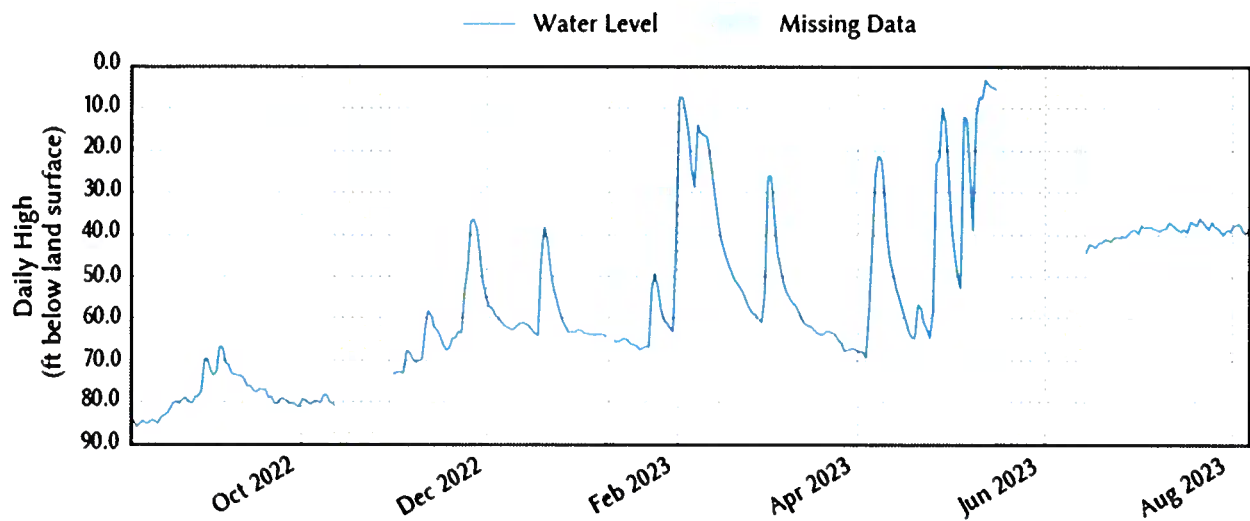
**Continuous Monitoring Well # 5804628
(Salado Cemetery)
Edwards Aquifer**

Last 30 Days

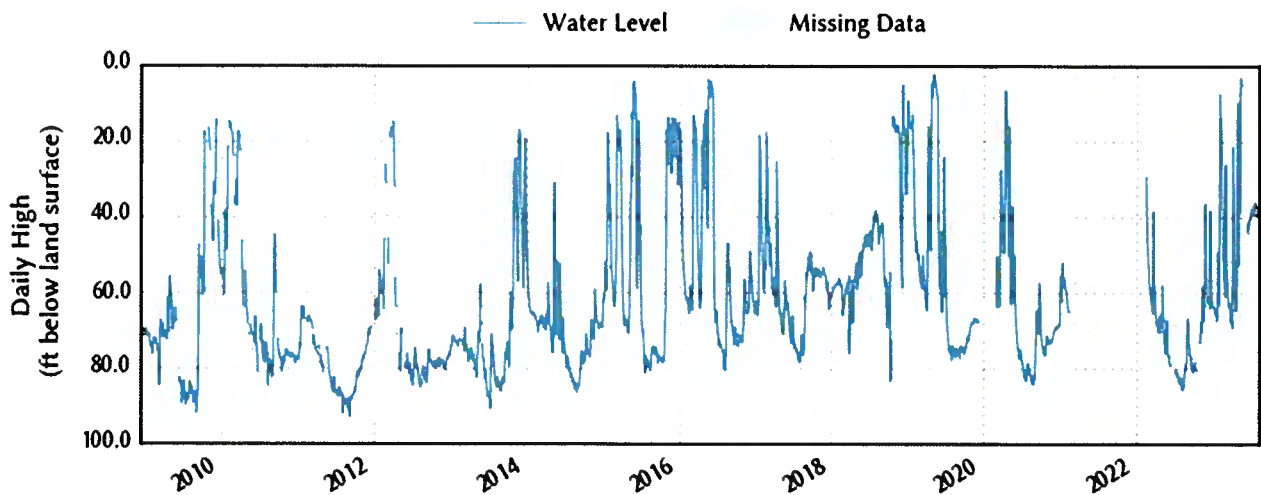
Total Depth: 129 ft



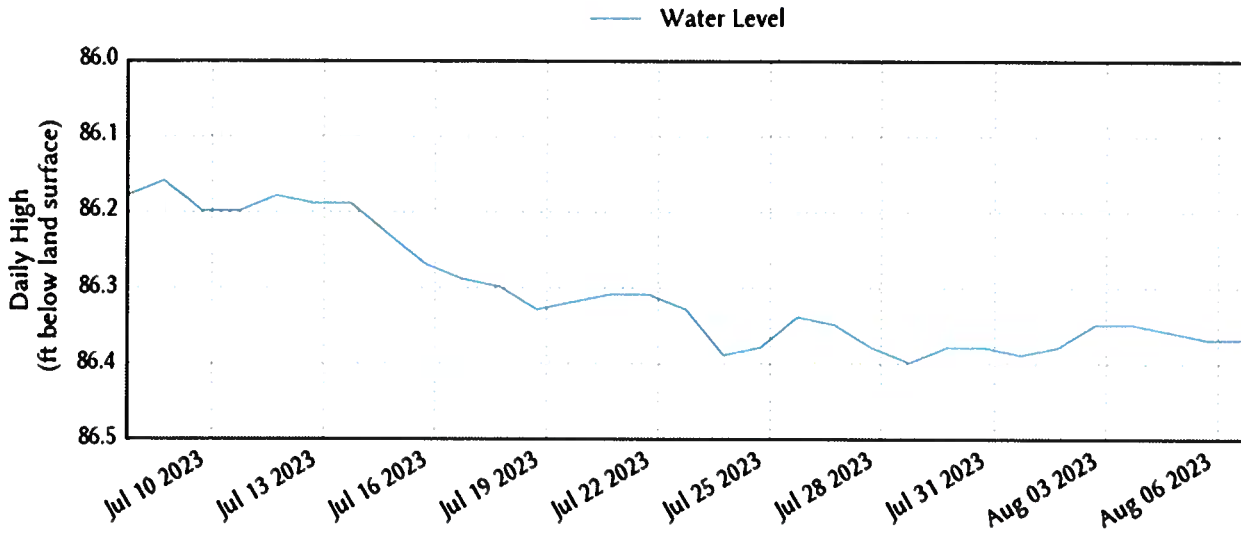
1 Year



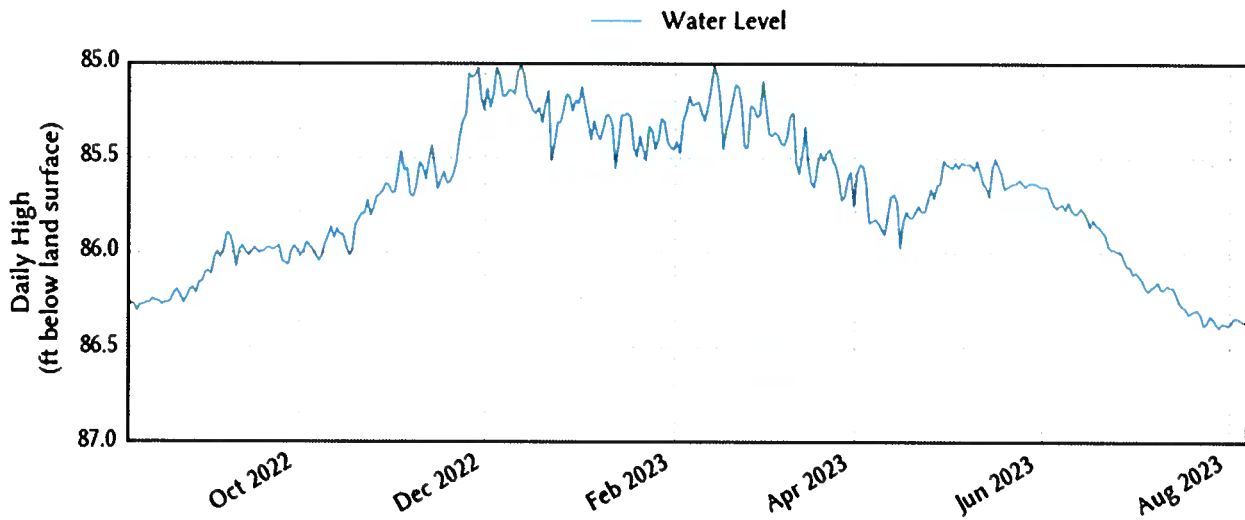
Period Of Record



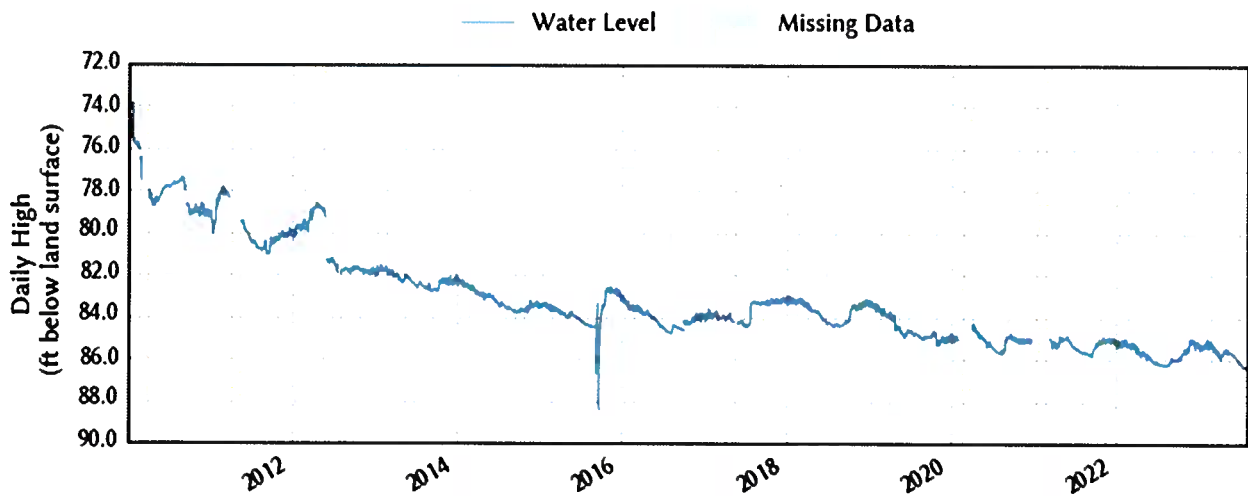
Last 30 Days



1 Year



Period Of Record

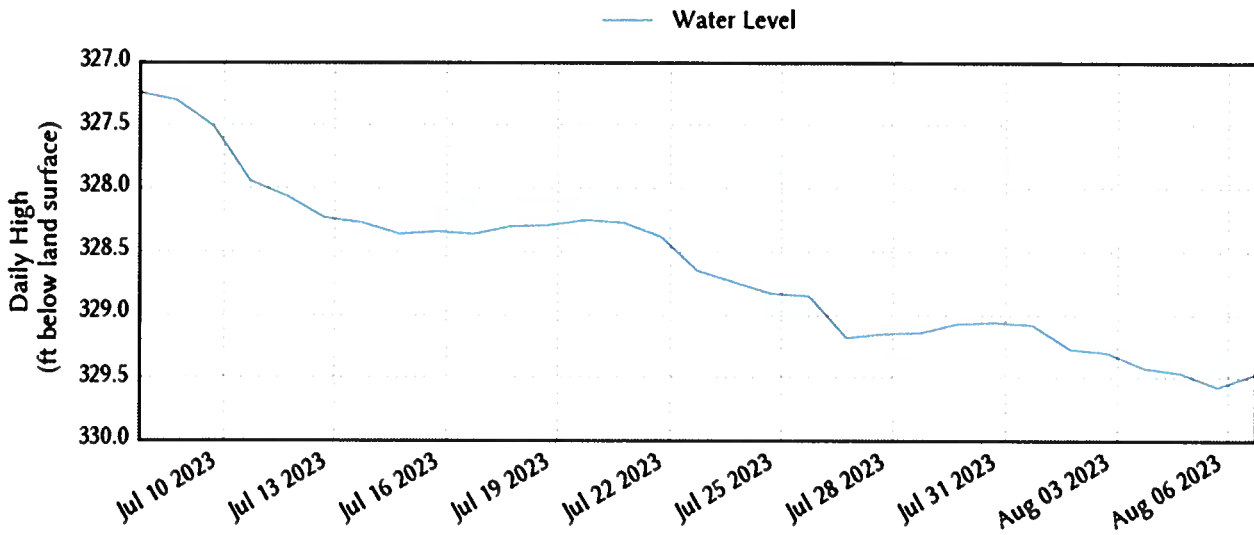


August 2023

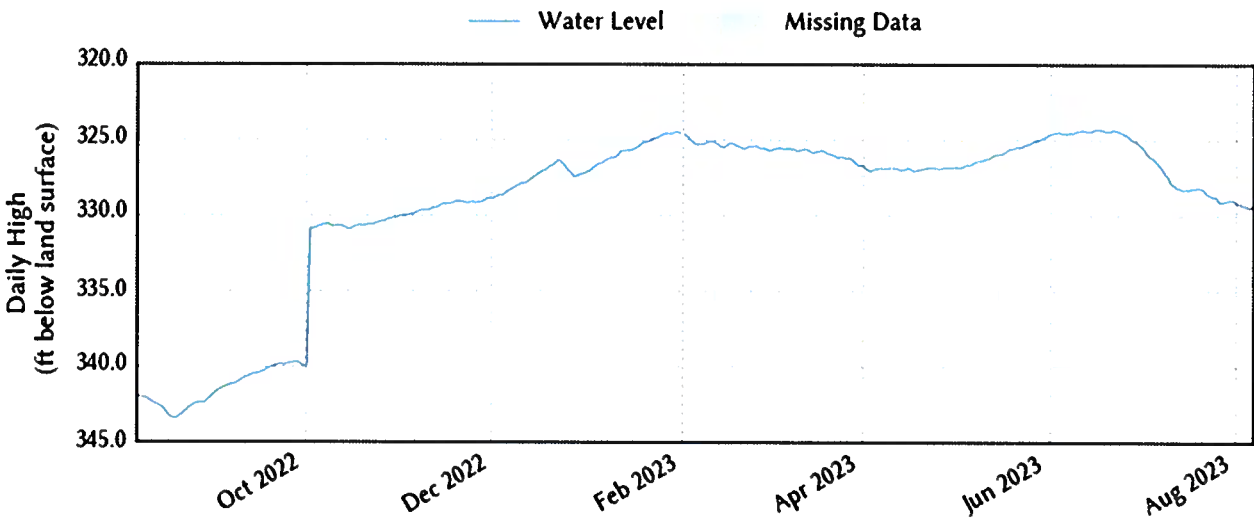
**Continuous Monitoring Well # 4057601
(Copperas Cove)
Middle Trinity Aquifer**

Last 30 Days

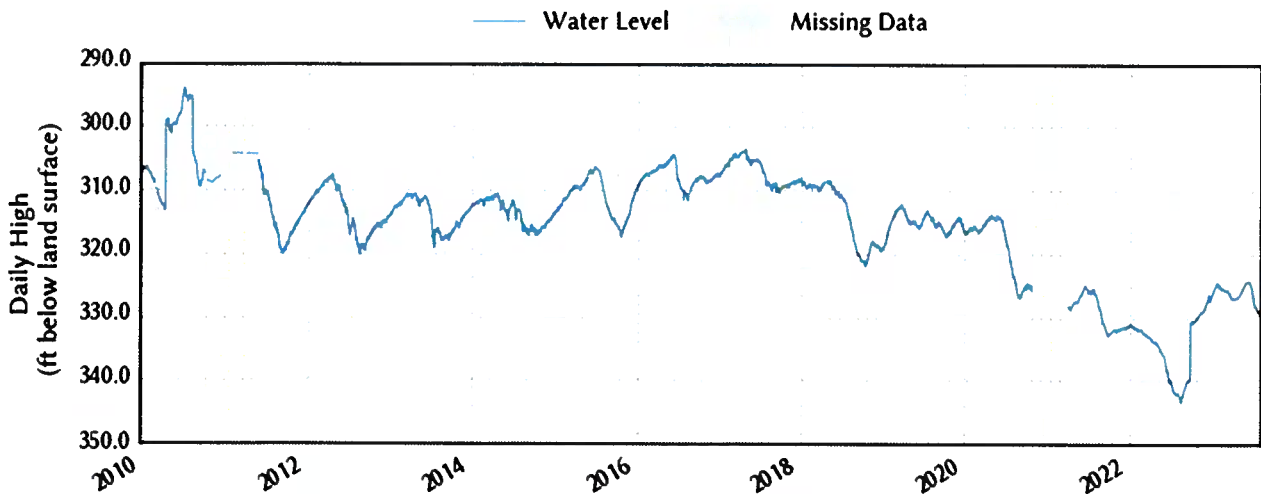
Total Depth: 469ft



1 Year



Period Of Record



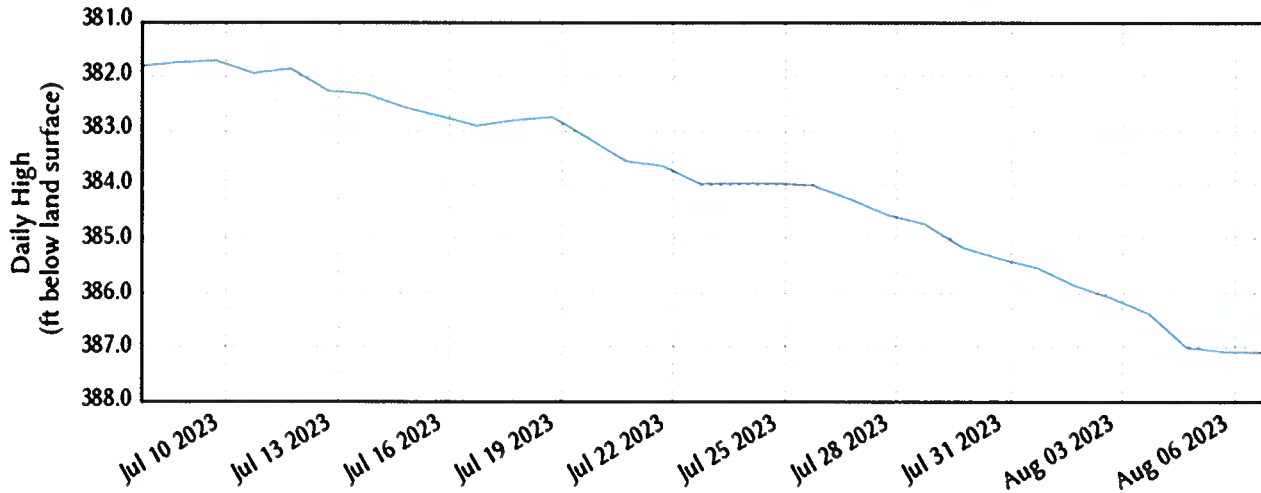
August 2023

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

Total Depth: 467 ft

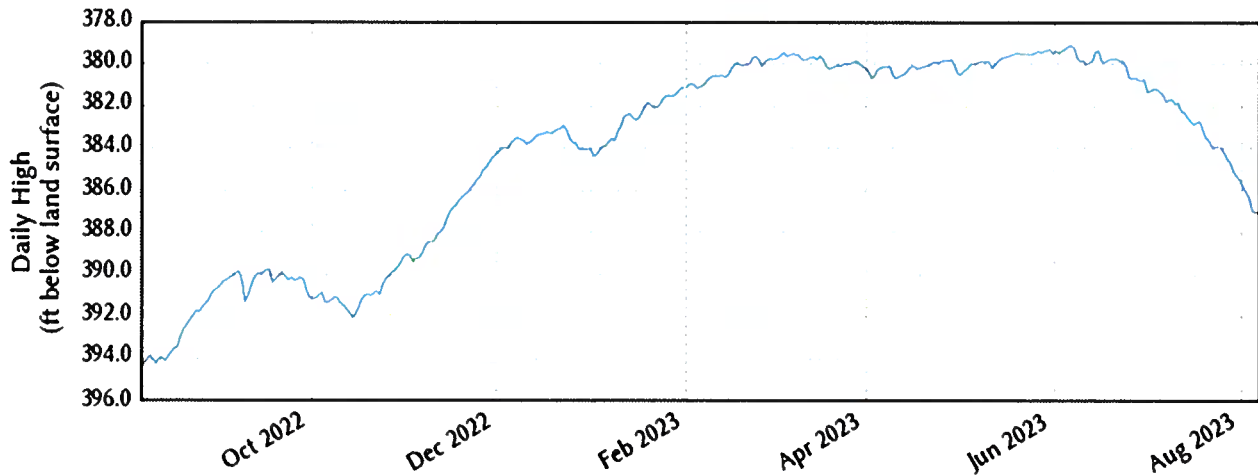
Last 30 Days

— Water Level



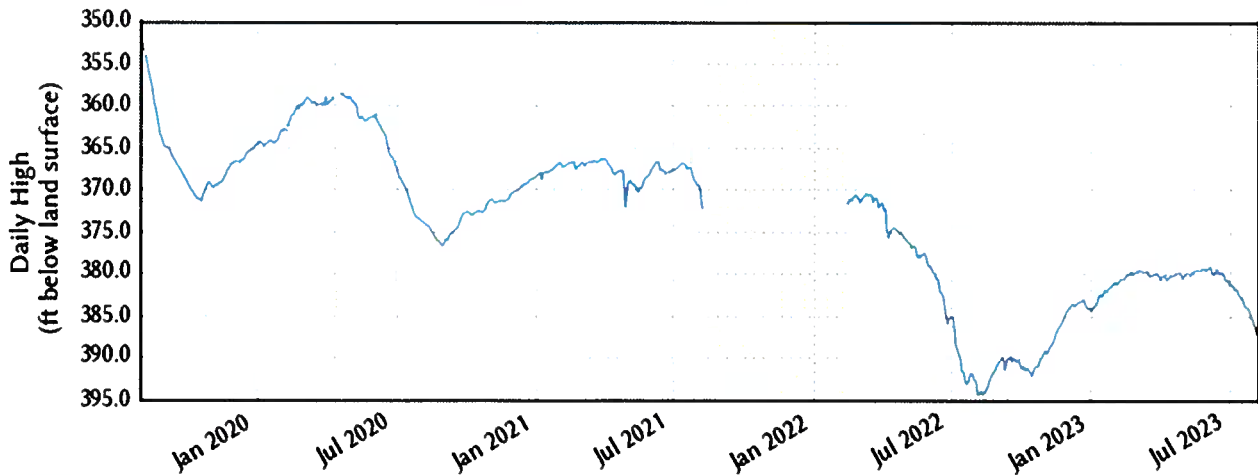
1 Year

— Water Level — Missing Data



Period Of Record

— Water Level — Missing Data

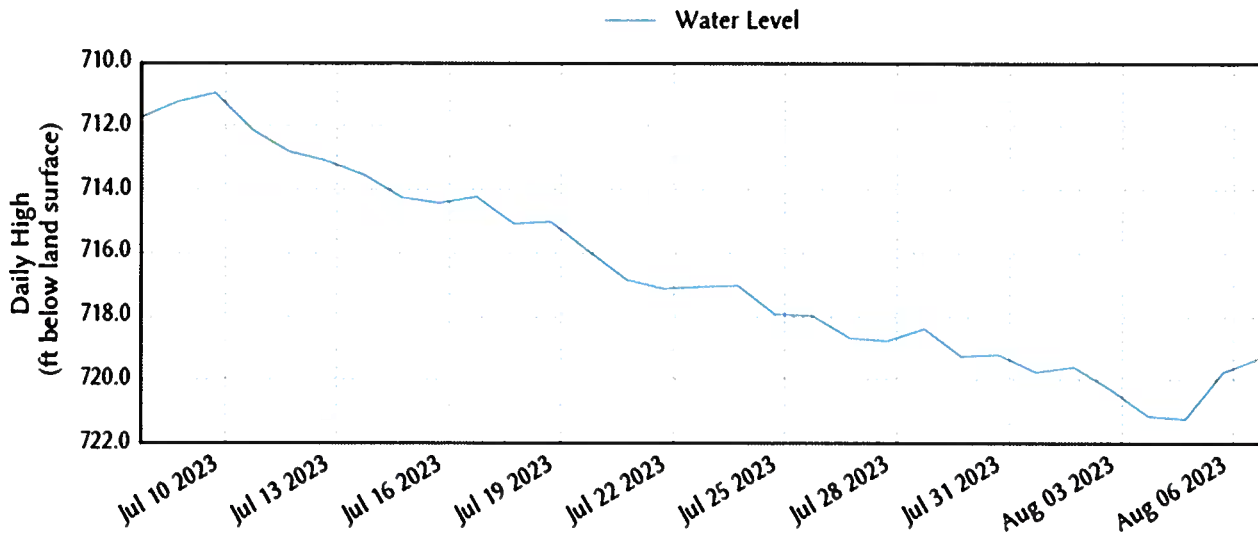


August 2023

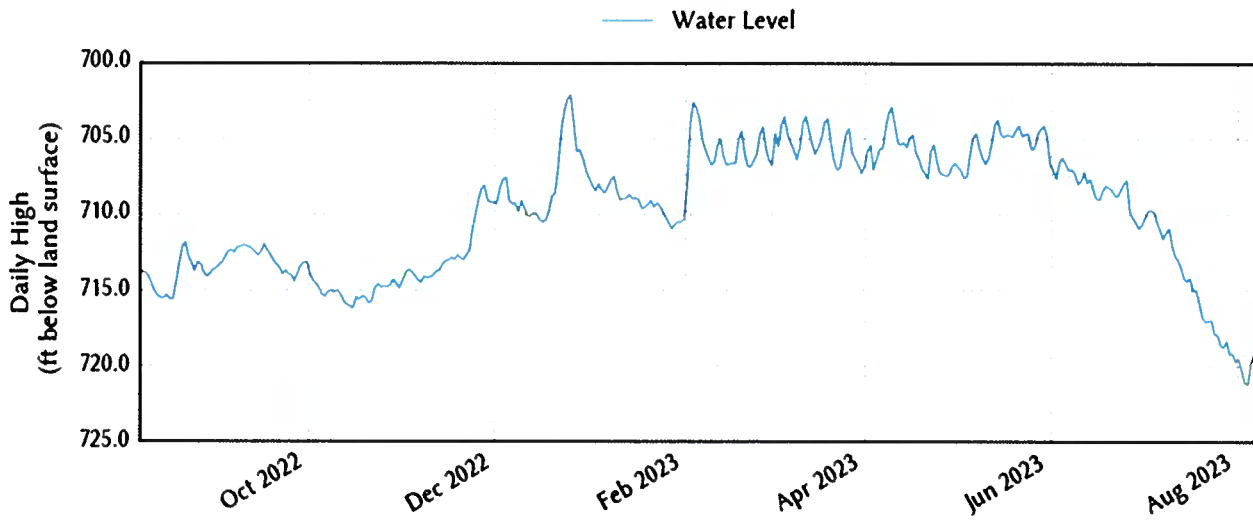
**Continuous Monitoring Well # 5803701
(Gault Site - Williamson County)
Middle Trinity Aquifer**

Total Depth: 880 ft

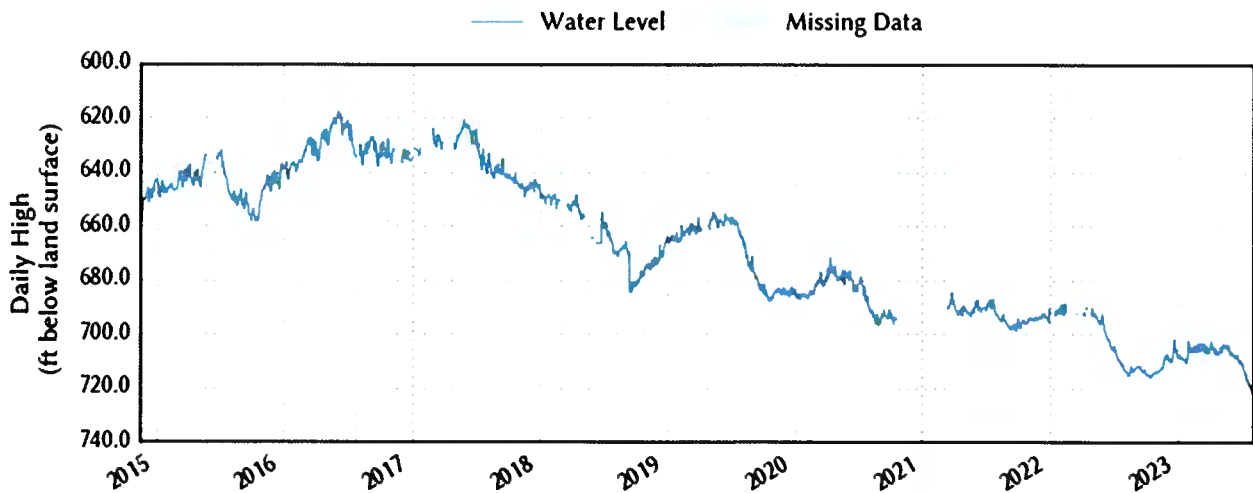
Last 30 Days



1 Year



Period Of Record

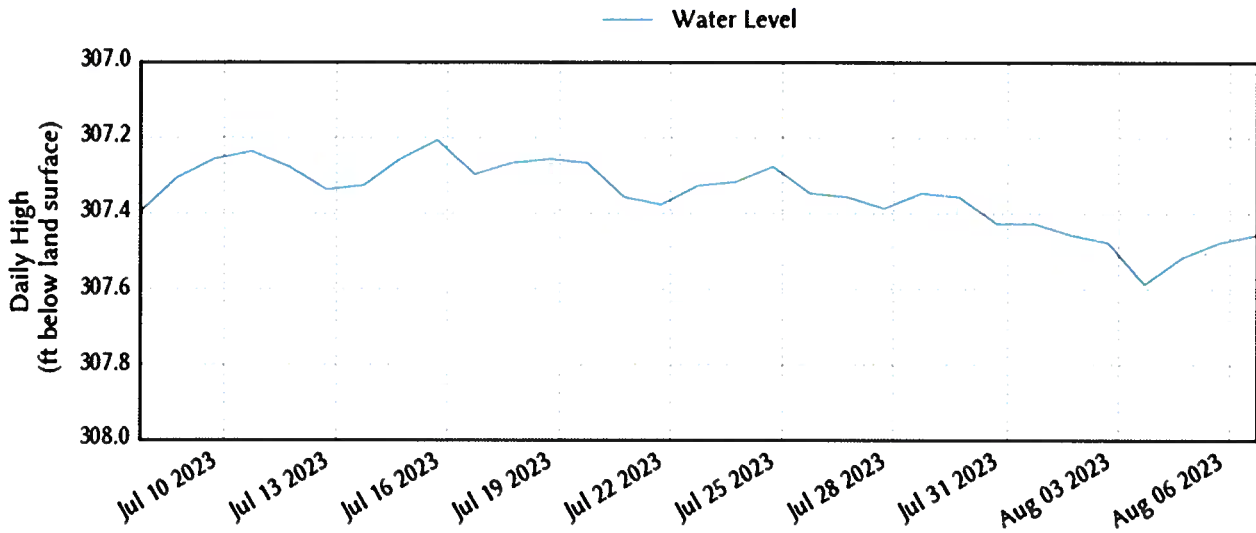


August 2023

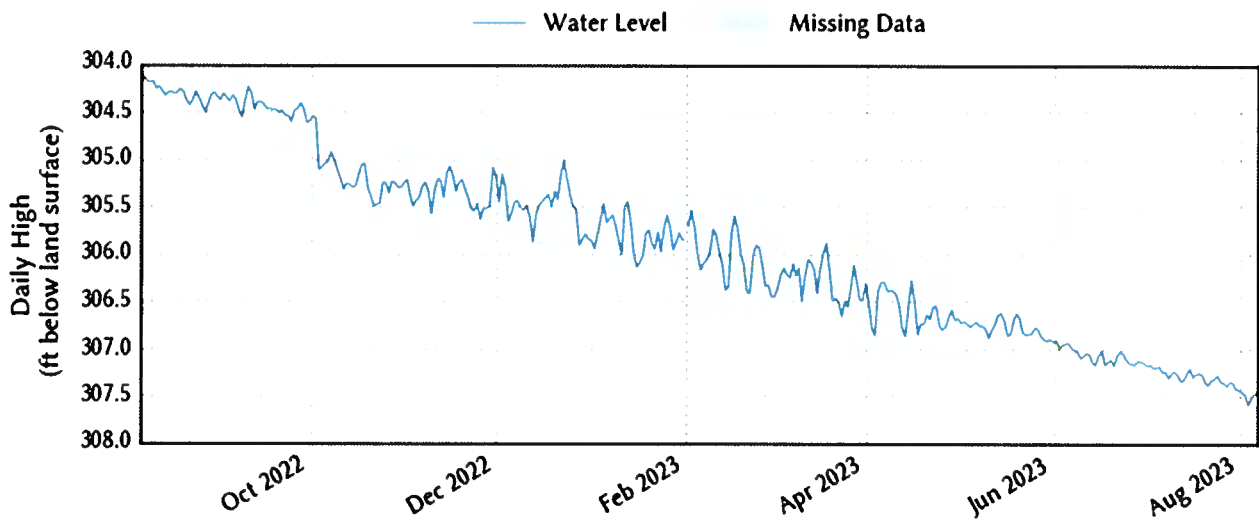
**Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer**

Total Depth: 629 ft

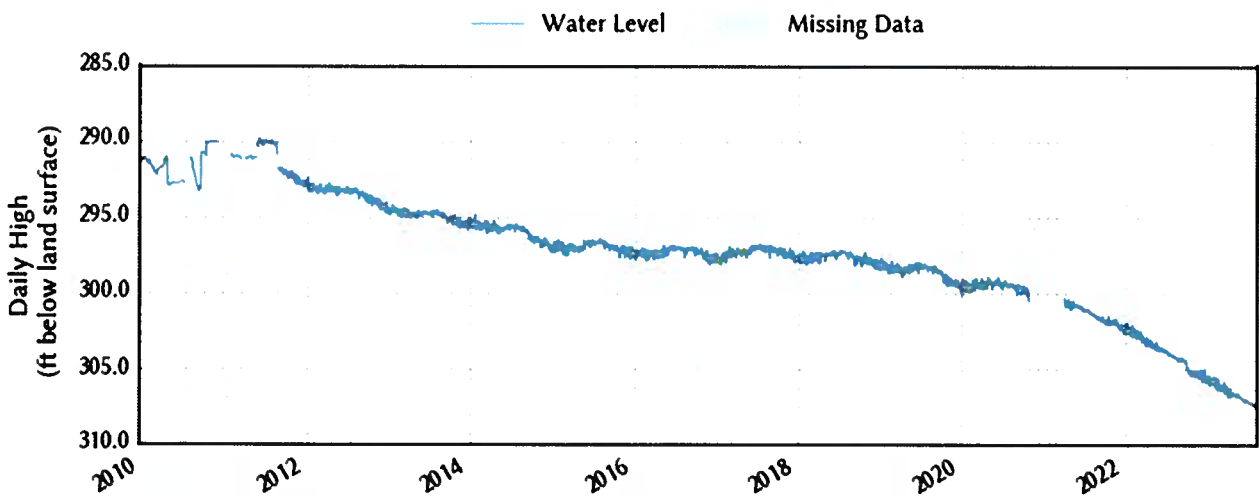
Last 30 Days



1 Year



Period Of Record



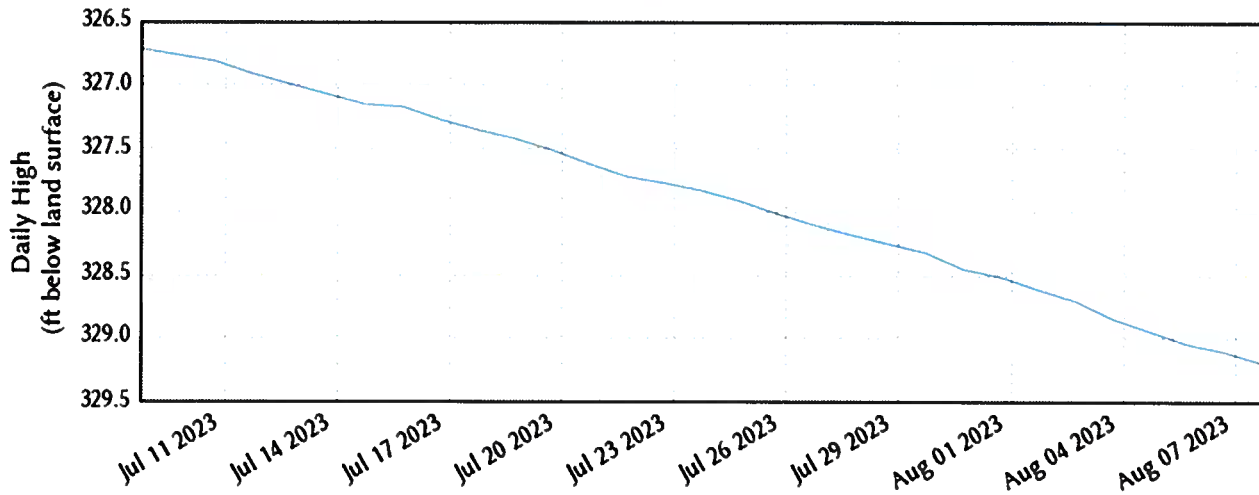
August 2023

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

Total Depth: 637 ft

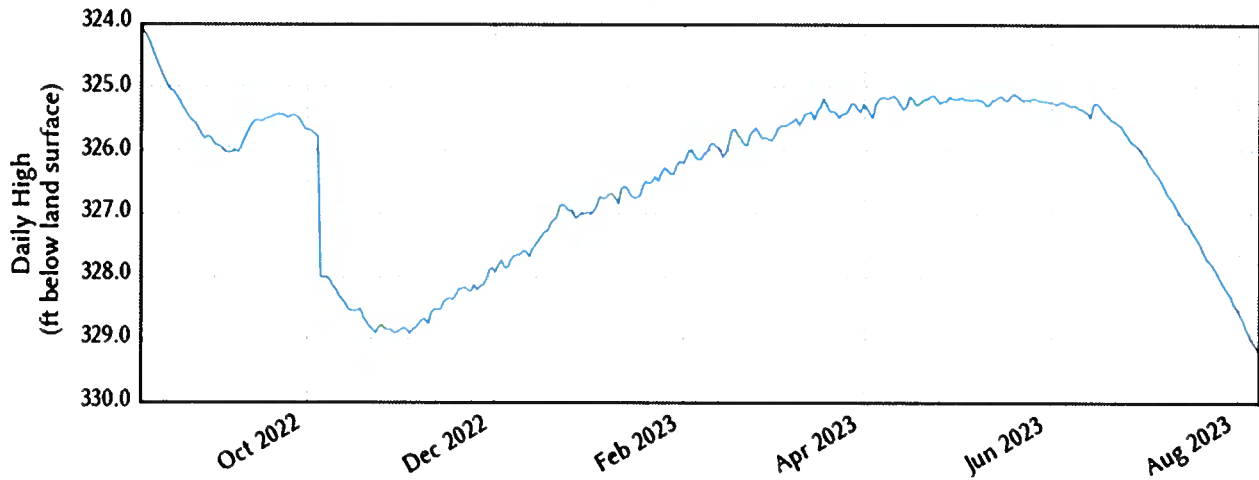
Last 30 Days

— Water Level



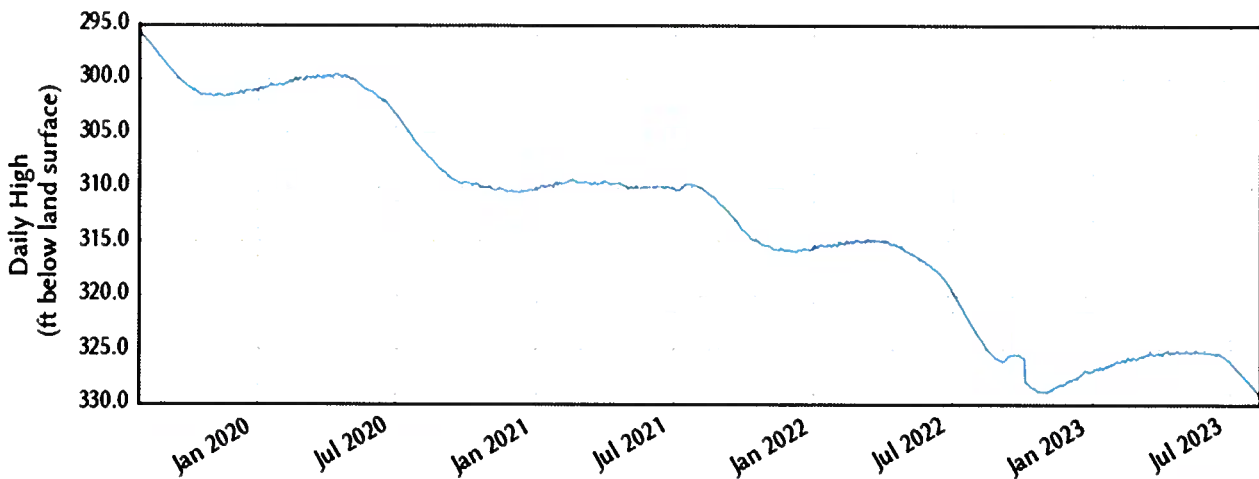
1 Year

— Water Level



Period Of Record

— Water Level

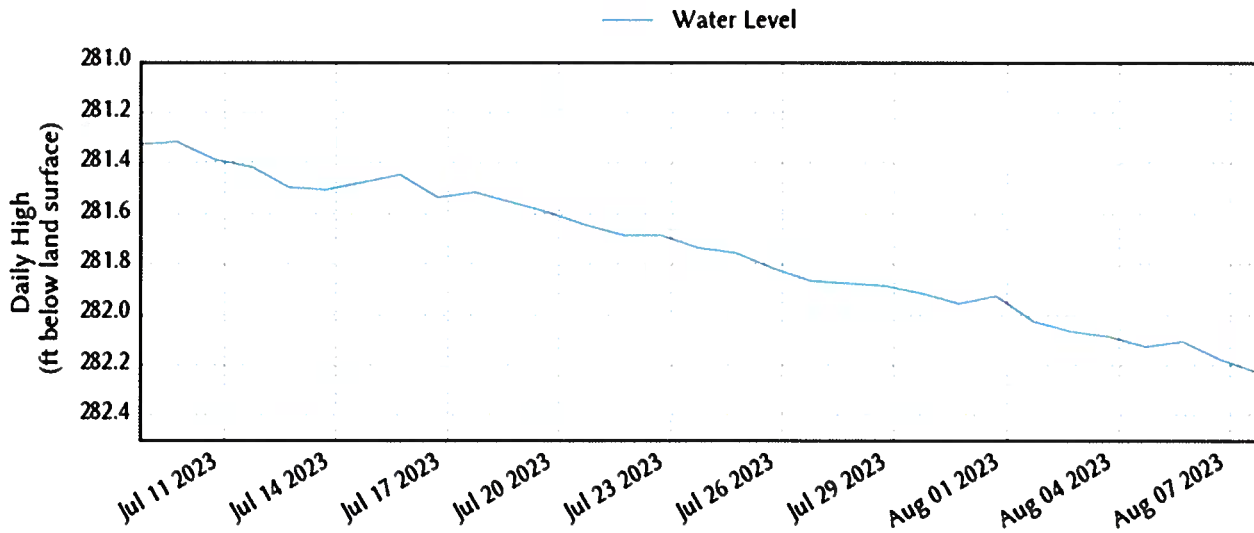


August 2023

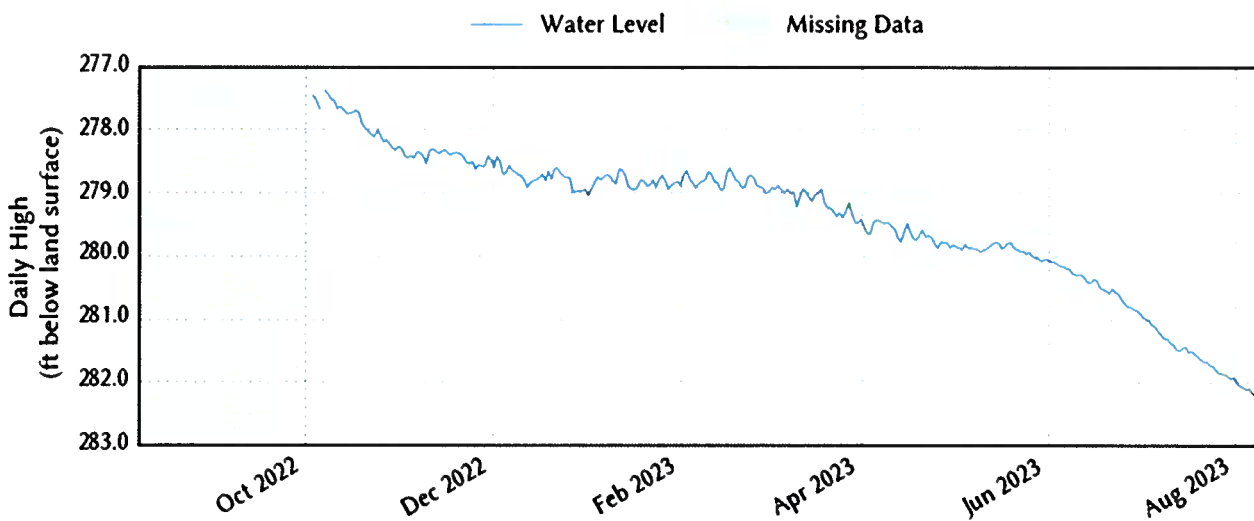
**Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer**

Last 30 Days

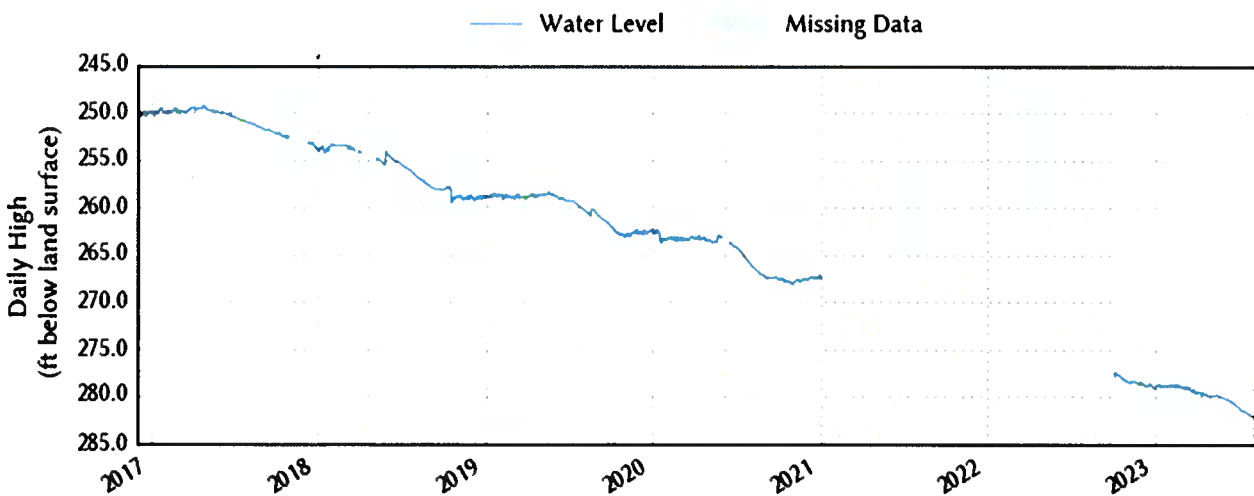
Total Depth: 1,261 ft



1 Year



Period Of Record

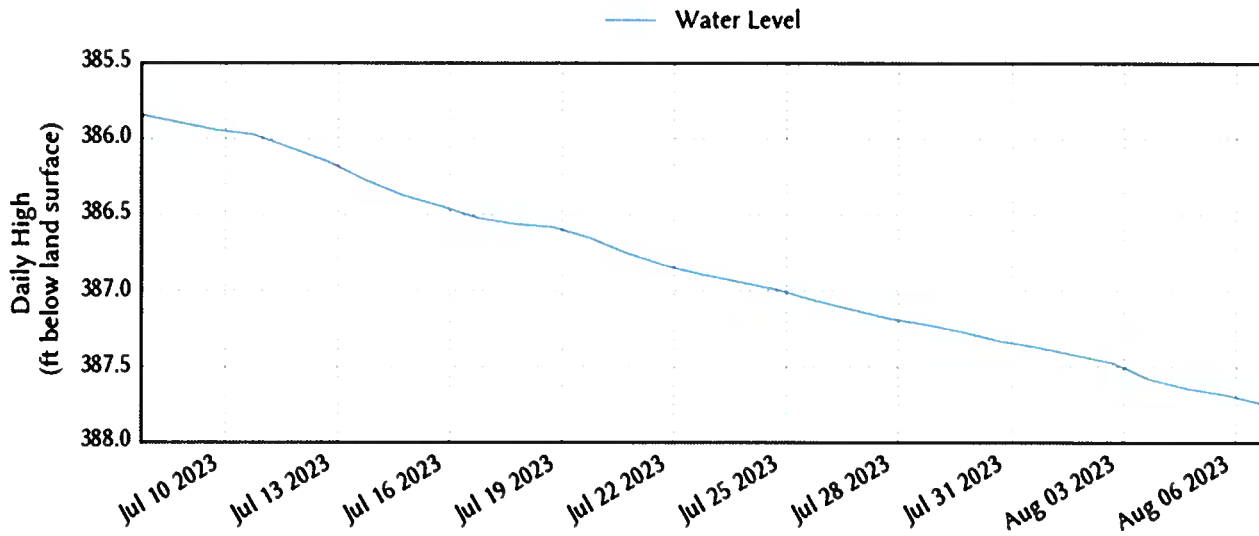


August 2023

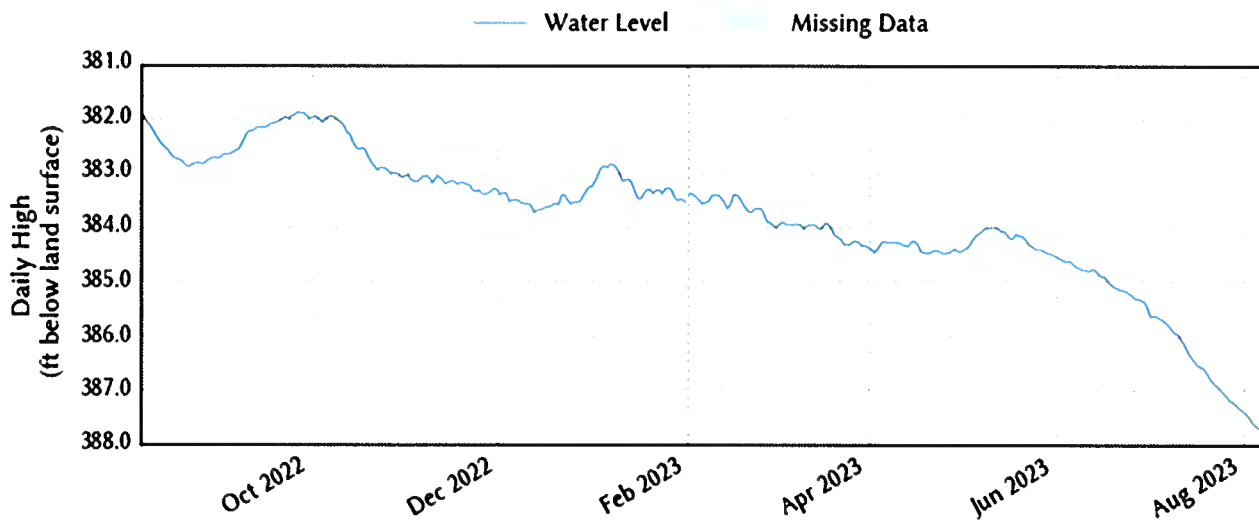
**Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer**

Total Depth: 2,236 ft

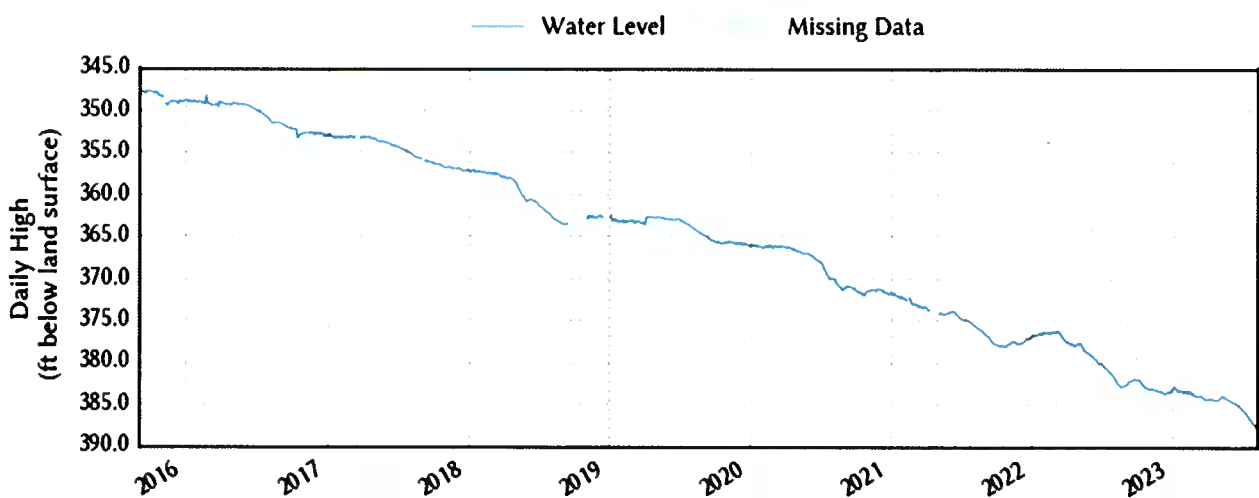
Last 30 Days

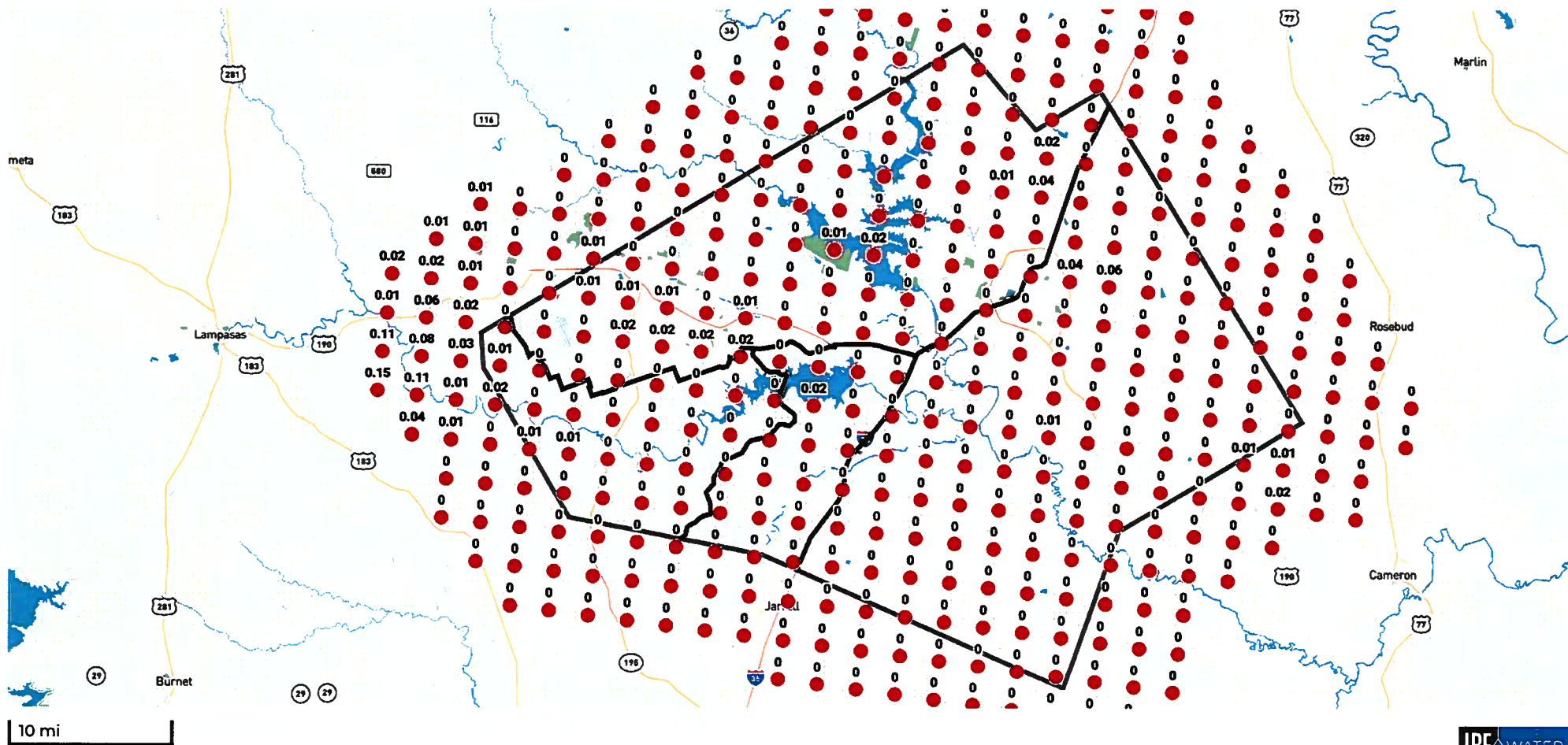


1 Year



Period Of Record

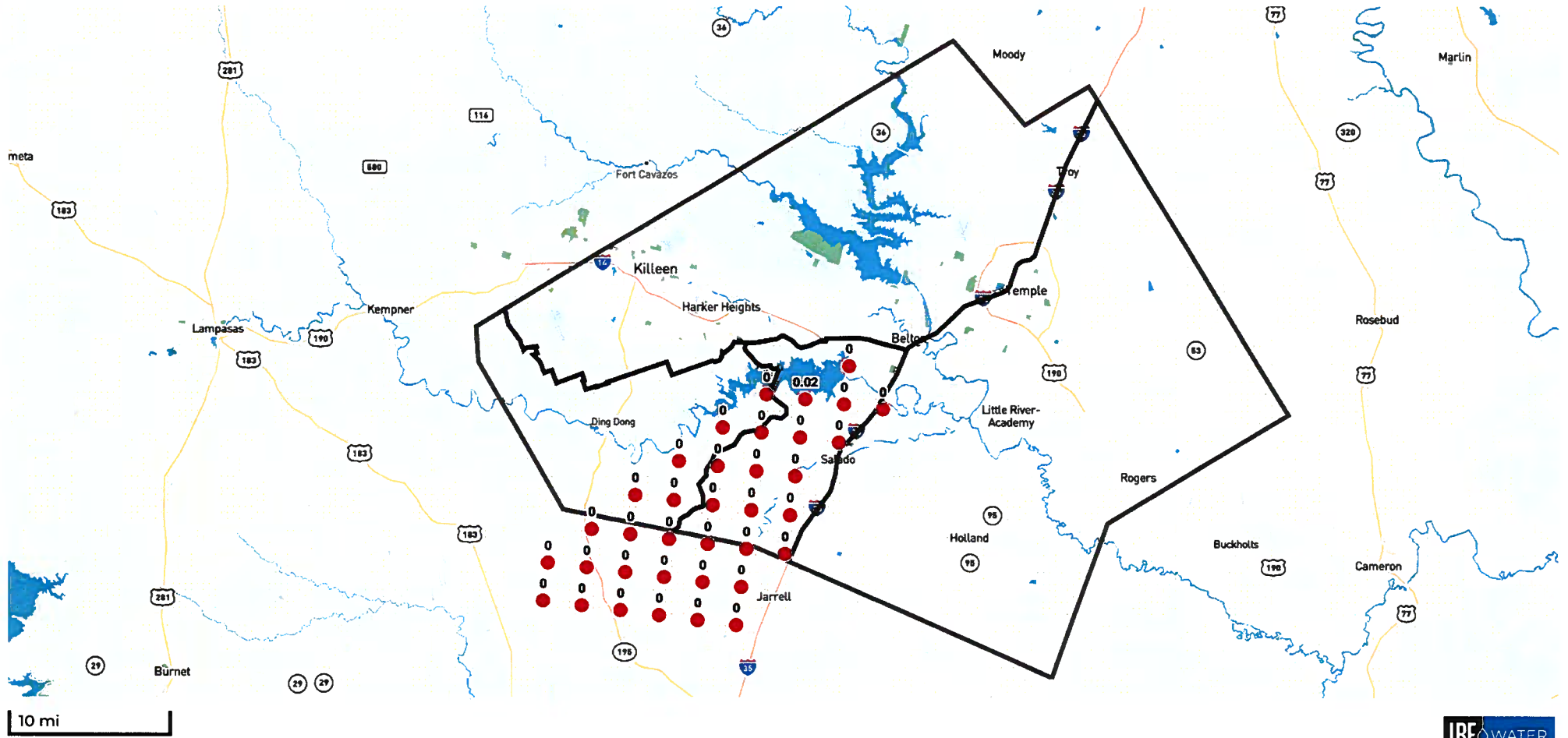


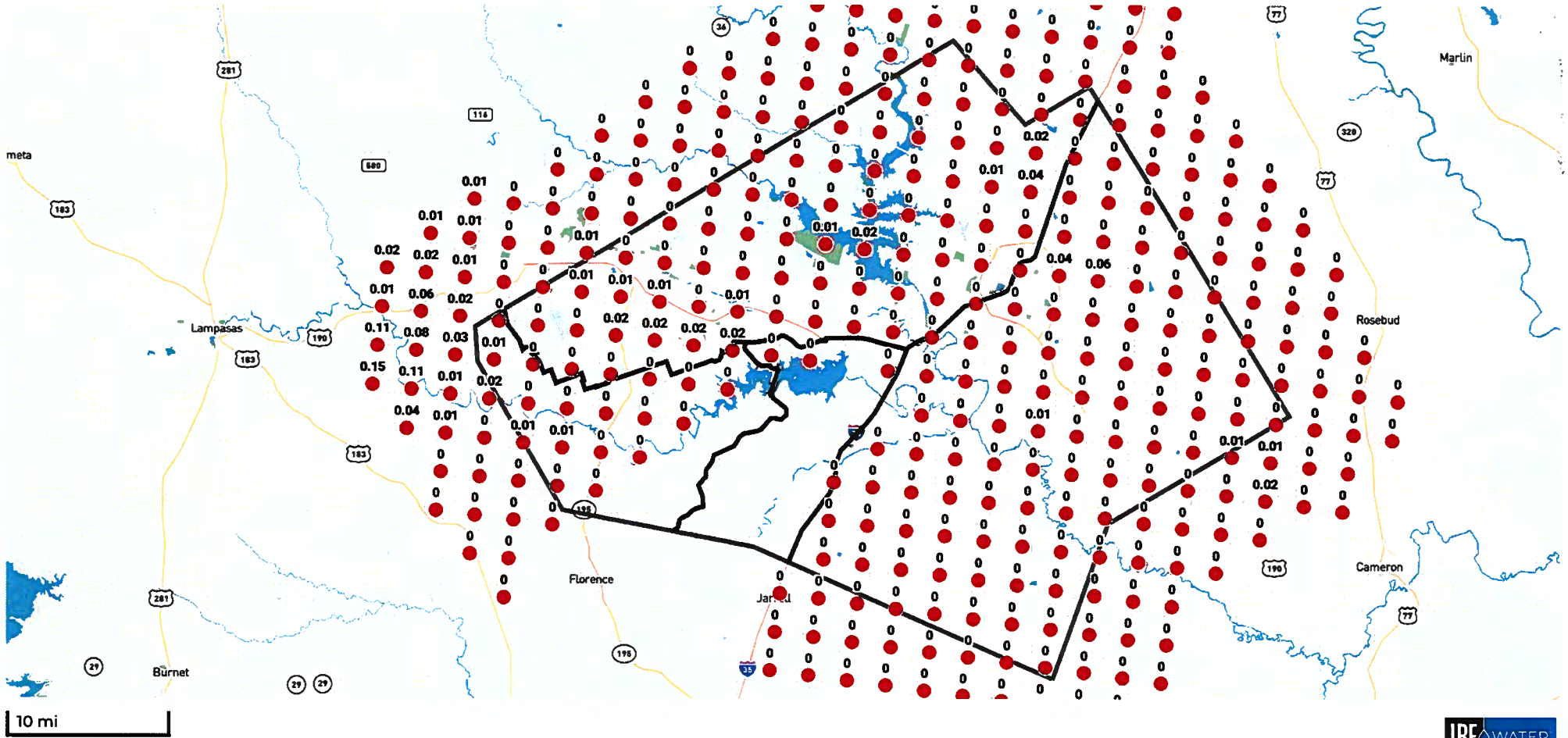


CUWCD Map

NOAA 30 Day Rainfall - Edwards BFZ

Created: August 8th 2023, 10:36am

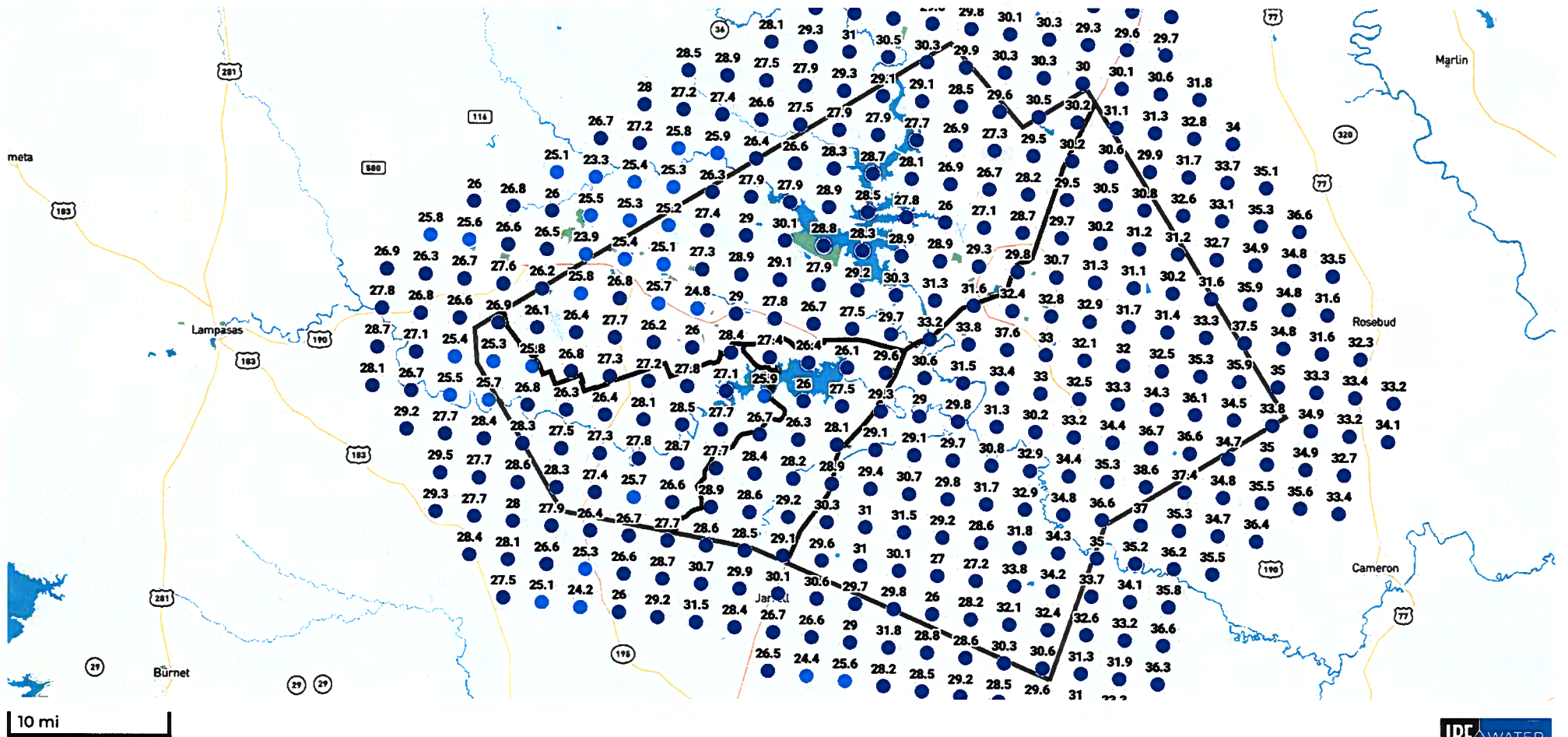




CUWCD Map

NOAA 365 Day Rainfall

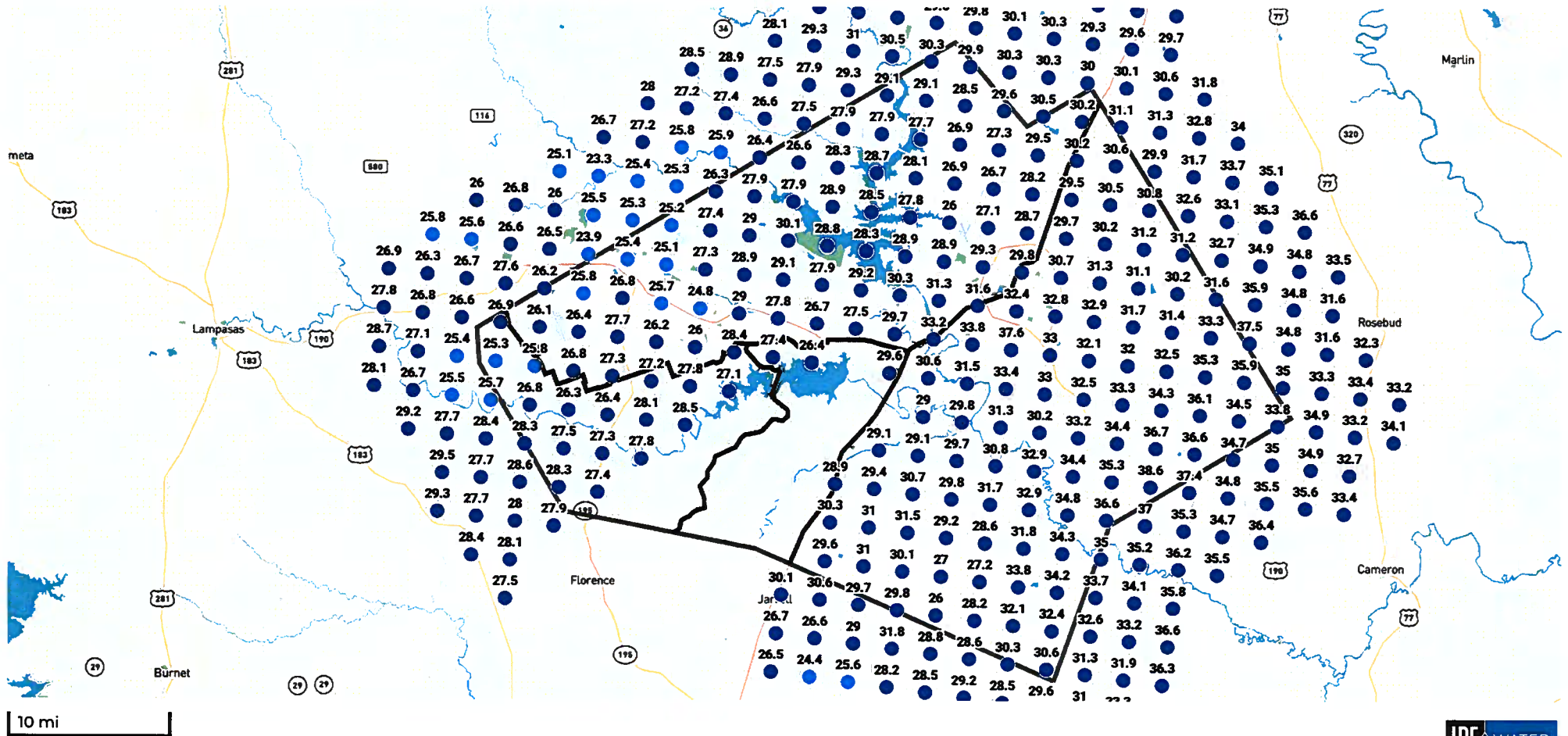
Created: August 8th 2023, 10:37am



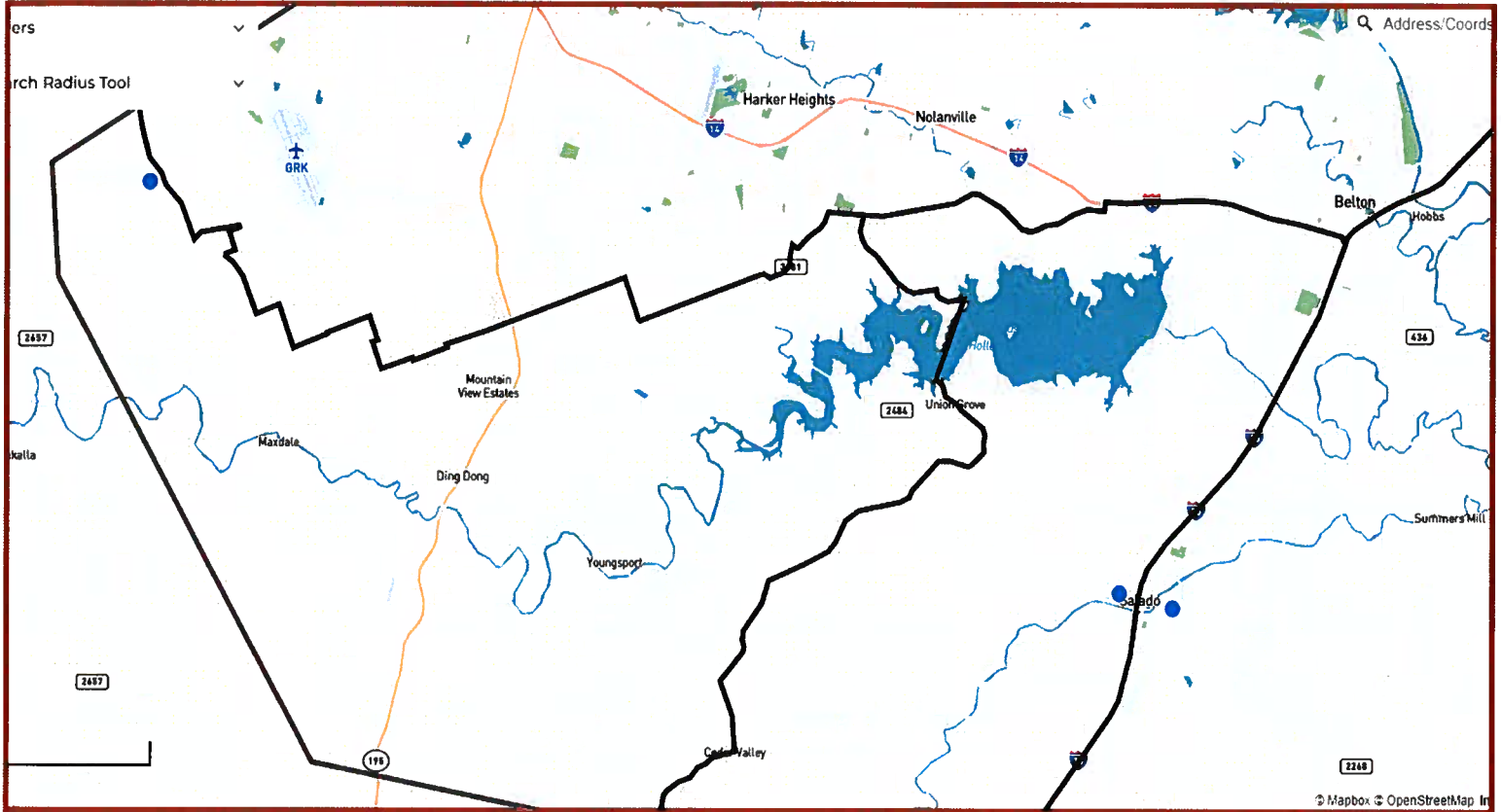
CUWCD Map

NOAA 365 Day Rainfall - Trinity

Created: August 8th 2023, 10:37am



Registered Wells - July 2023



<u>Well #</u>	<u>Owner</u>	<u>Address</u>	<u>City</u>	<u>Depth</u>	<u>Aquifer</u>	<u>Use</u>	<u>Status</u>
E-23-044G	Ritch	906 Indian Trl	Salado	210	Edwards (BFZ)	Domestic	Active
E-23-045P	Lloyd	3175 Arbolado	Kempner	420	Up Tinity	Livestock	Capped
N3-23-007P	Salado ISD	602 N Main	Salado	100	Edwards (BFZ)	Ag/Irrigation	Active

Well Registration Totals - July 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	3	2	0	0	0	1	0	0	6
June	3	7	0	0	0	3	0	0	13
July	1	1	0	0	0	1	0	0	3
Aug									0
Sep									0
Oct									0
Nov									0
Dec									0
Total 2022	17	28	0	0	0	6	0	0	51
Grand Totals	4486	1250	107	37	67	7	24	121	6099

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells				Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Class 3	Water	Envr	
2002-Present	4486	1250	107	37	67	7	24	121	6099
**Never Drilled	N/A	-41	N/A	-5	-10	0	-1	0	-57
**Plugged	-282	-51	-18	-2	-1	0	-2	-60	-416
**Totals	4204	1158	89	30	56	7	21	61	5626

(**updated May 2023)