



Every drop counts!

Clearwater Underground Water Conservation District

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www.cuwcd.org

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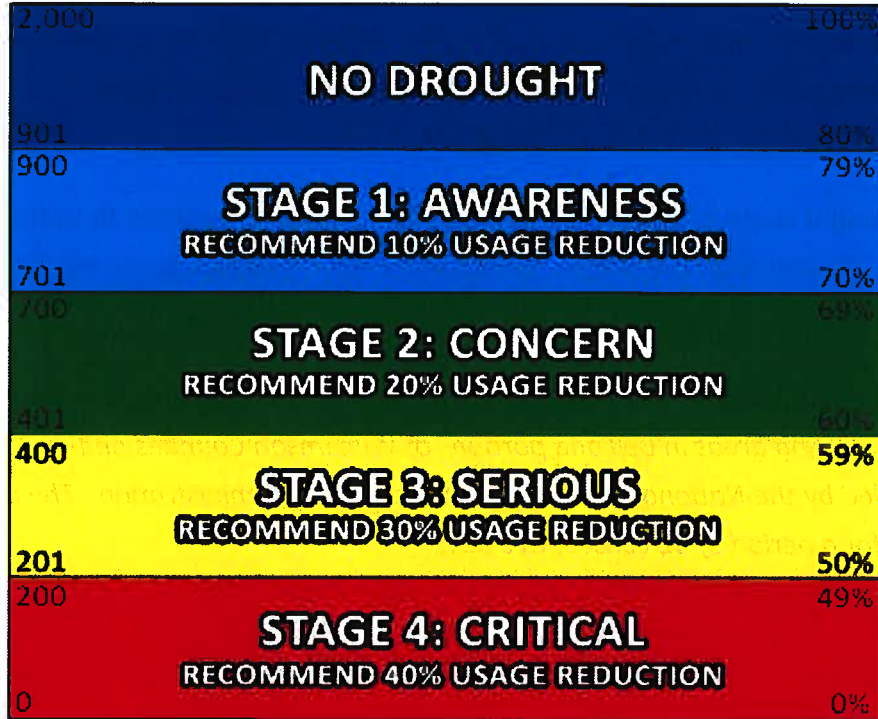
Clearwater Staff Reports

July 12, 2023

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

Trinity Aquifer—Drought Status Report

NO DROUGHT

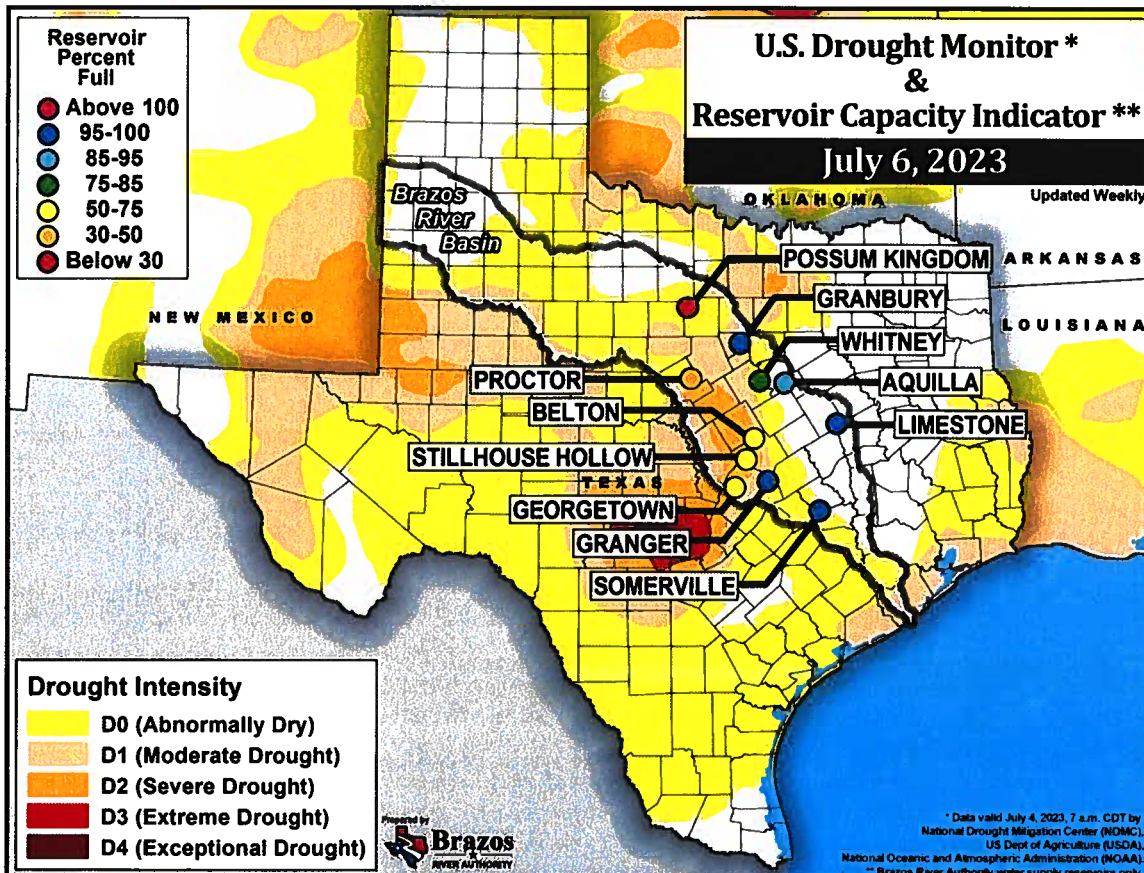


← 28.932 PDI
87.67 %

Precipitation Deficit Index (PDI)

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

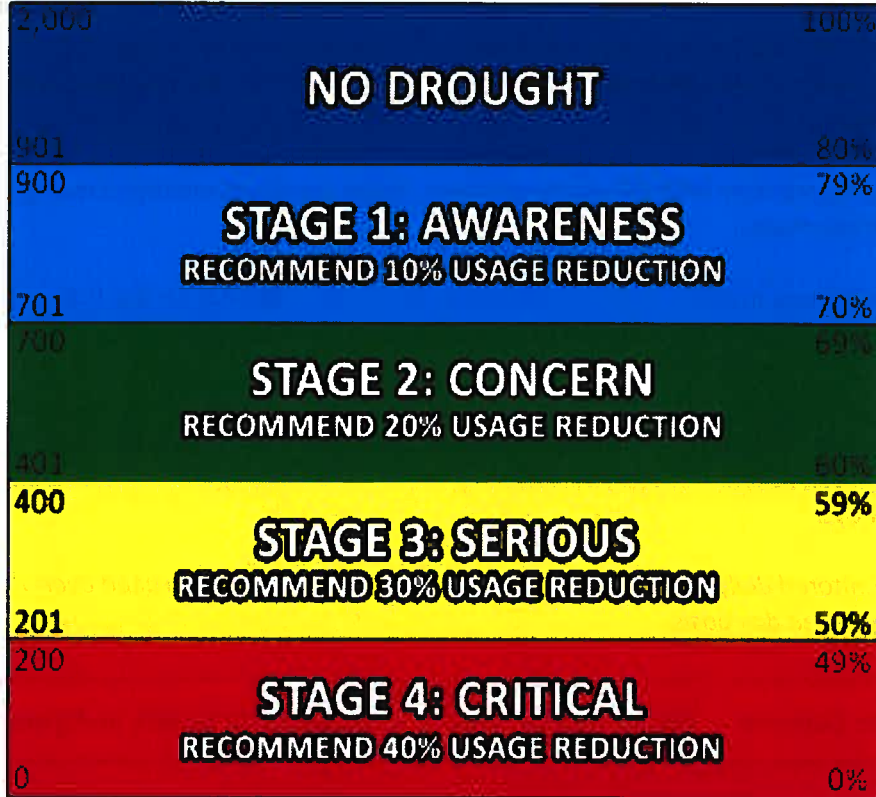
AS OF 7/7/2023



Edwards BFZ Aquifer—Drought Status Report

STAGE 3: SERIOUS

Salado Creek
Spring Discharge



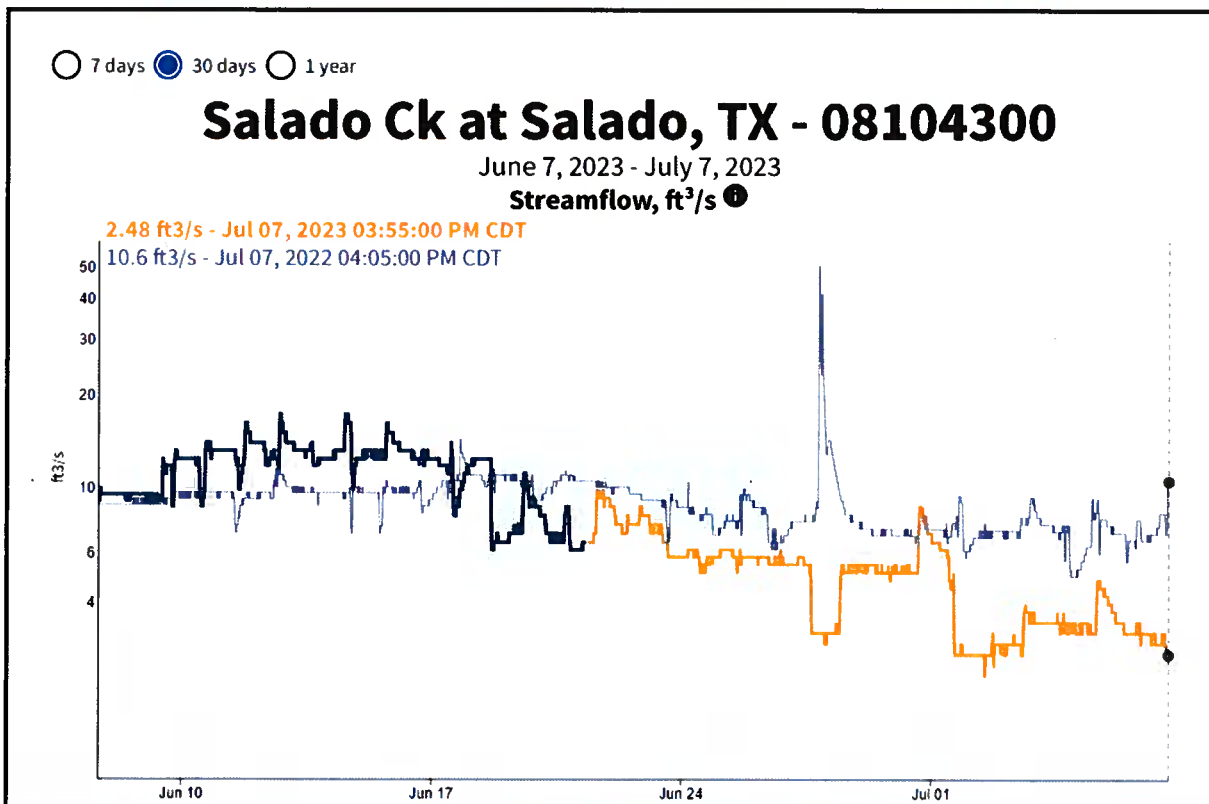
26.03 PDI
78.88%

Precipitation Deficit Index (PDI)

322.27 ac-ft (month)
5.416 cfs

As of 7/7/2023

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





Education Outreach Highlights 7/12/23

- 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).**
 - June 13 – Staff presented to the Tier I 4-H2O Leadership Academy at Lake Belton. 22 in attendance.
 - July 6 – Staff presented at the STEM Camp hosted by TAMU-CT. 19 in attendance.
 - July 18 – Staff will present at the Texas Well Owner’s Network program at TAMU-CT.

- 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.

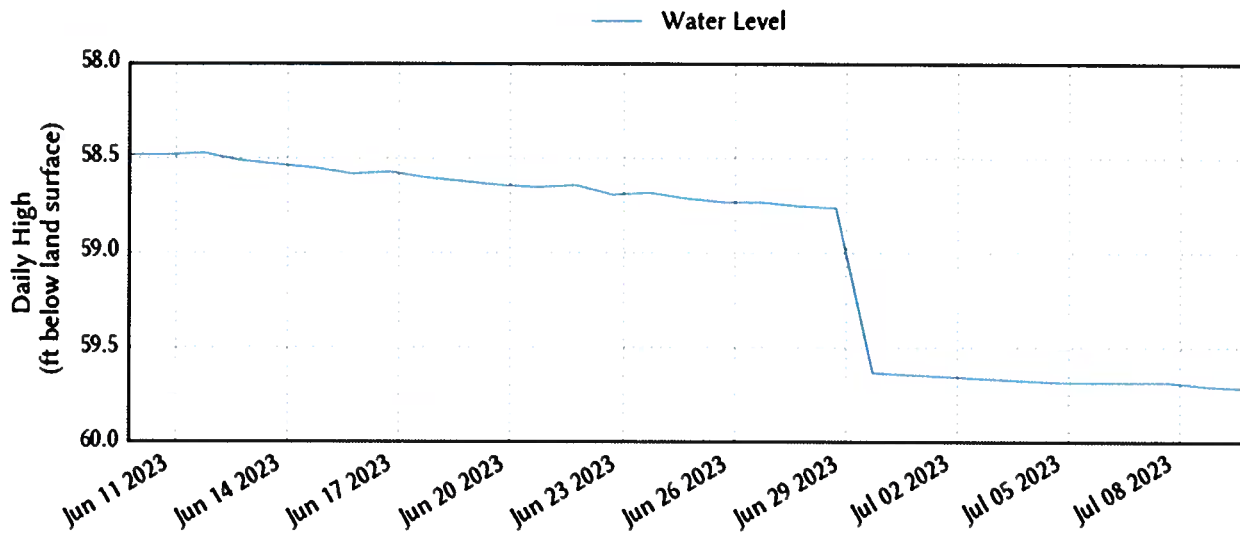
- 4. Improve Annual Reporting accuracy and timeliness per State-mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).**
 - Board of Directors accepted the 2022 Annual Report on March 8, 2023.
 - Staff is preparing for the annual water symposium.

July 2023

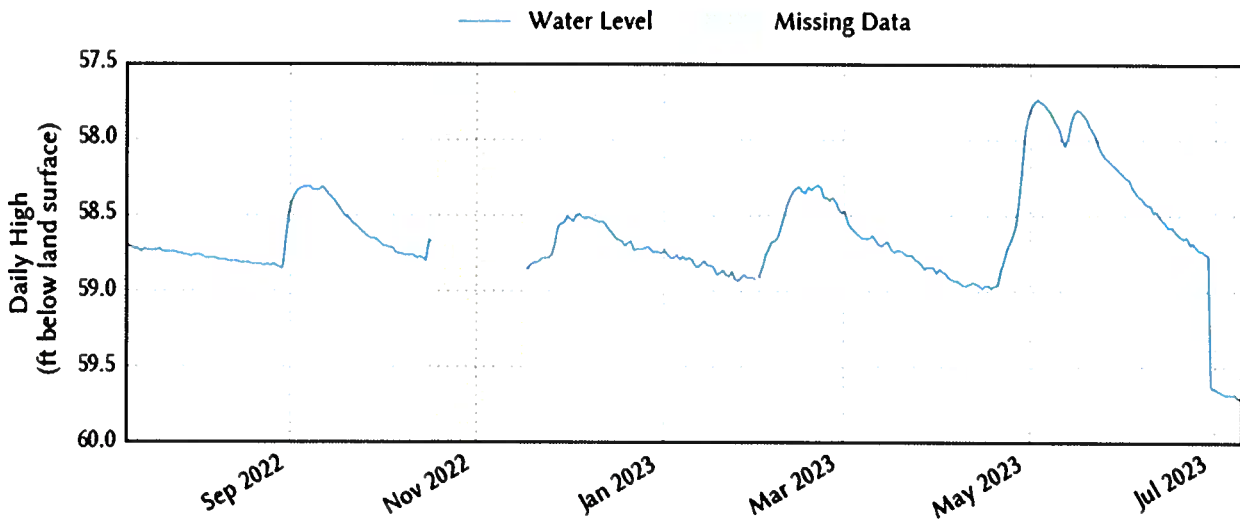
**Continuous Monitoring Well # 5803702
(Gault Site - Williamson County)
Edwards Aquifer**

Last 30 Days

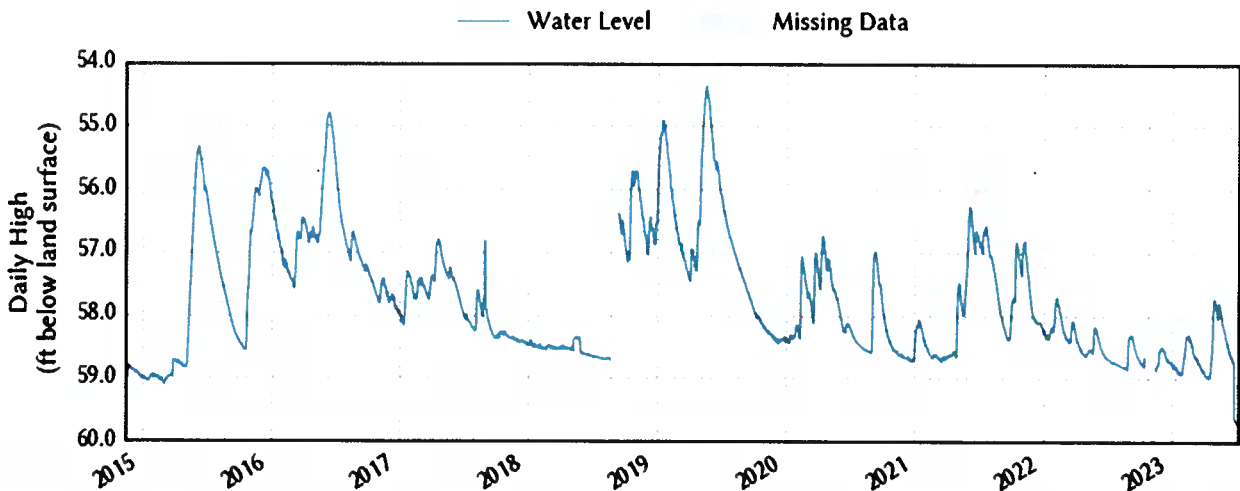
Total Depth: 110 ft



1 Year



Period Of Record

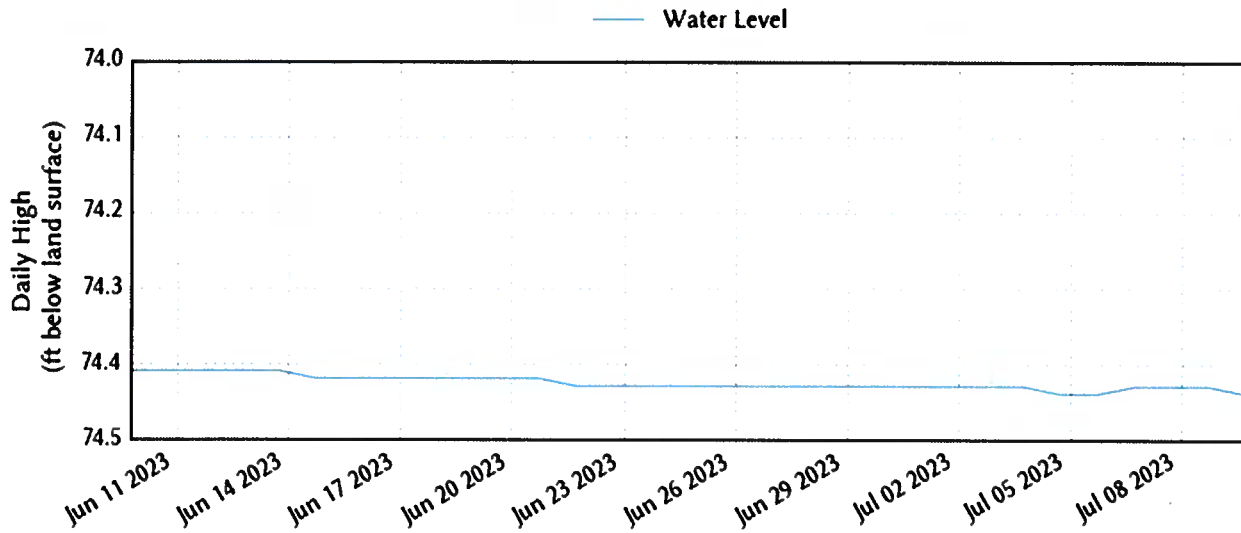


July 2023

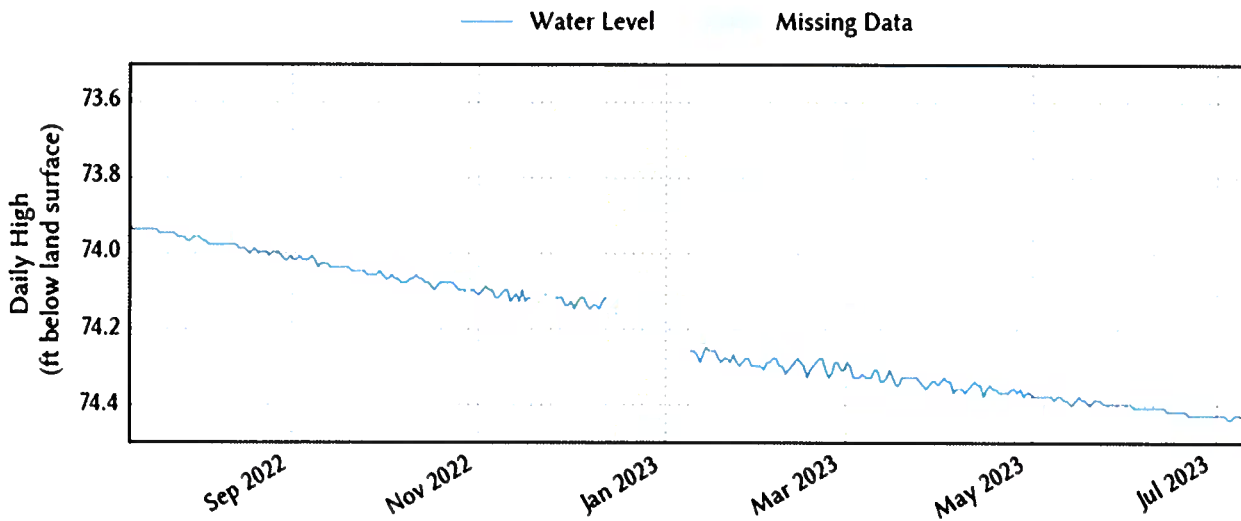
Continuous Monitoring Well # 5804702
(FM 2843 - Patterson's Crossing - Salado Creek)
Edwards Aquifer

Last 30 Days

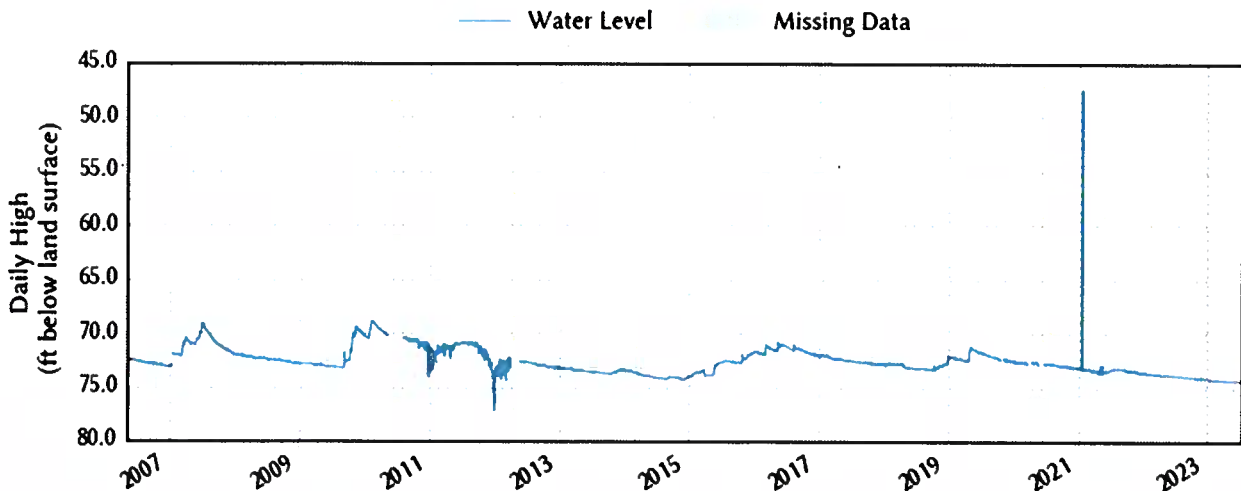
Total Depth: 95 ft



1 Year



Period Of Record

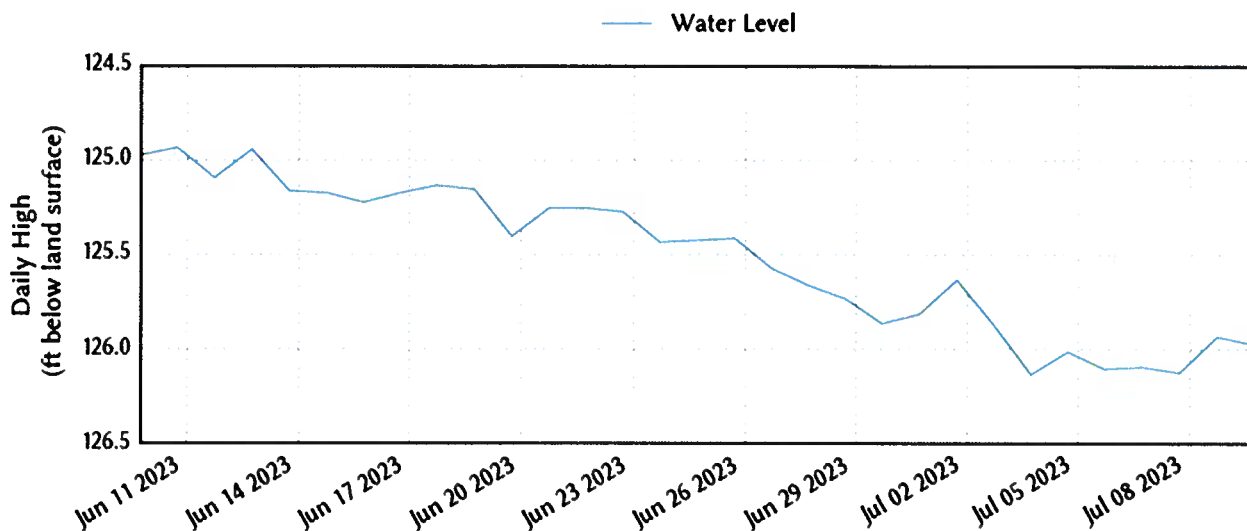


July 2023

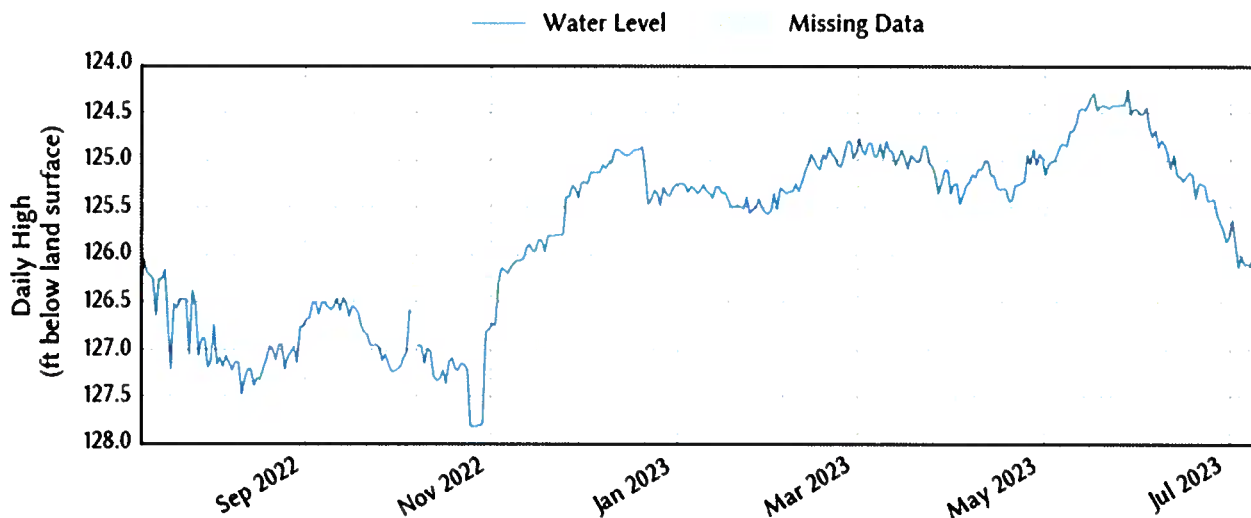
**Continuous Monitoring Well # 5804816
(IH-35 Rest Stop - West)
Edwards Aquifer**

Last 30 Days

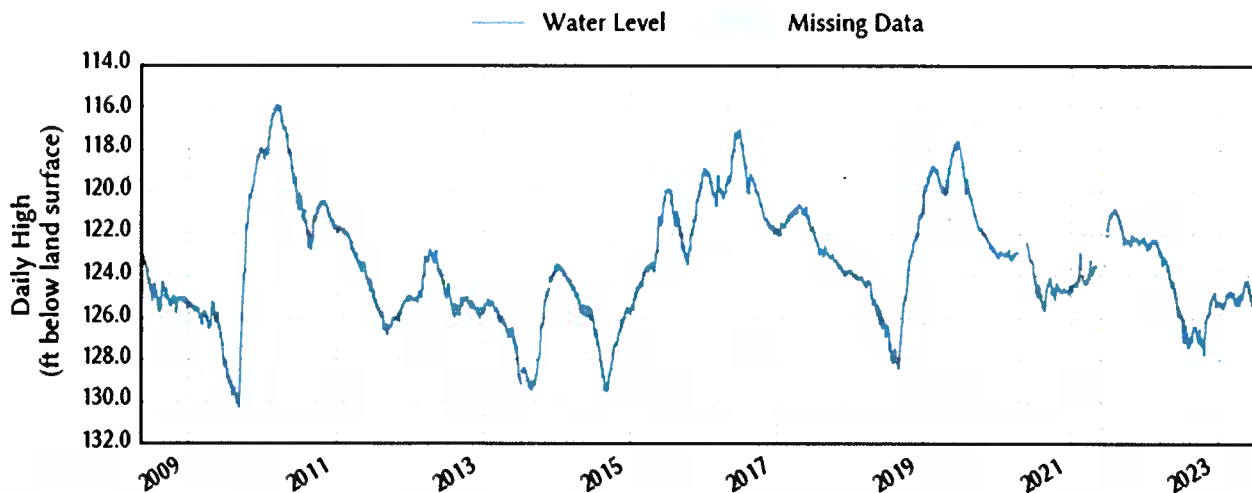
Total Depth: 170 ft



1 Year



Period Of Record

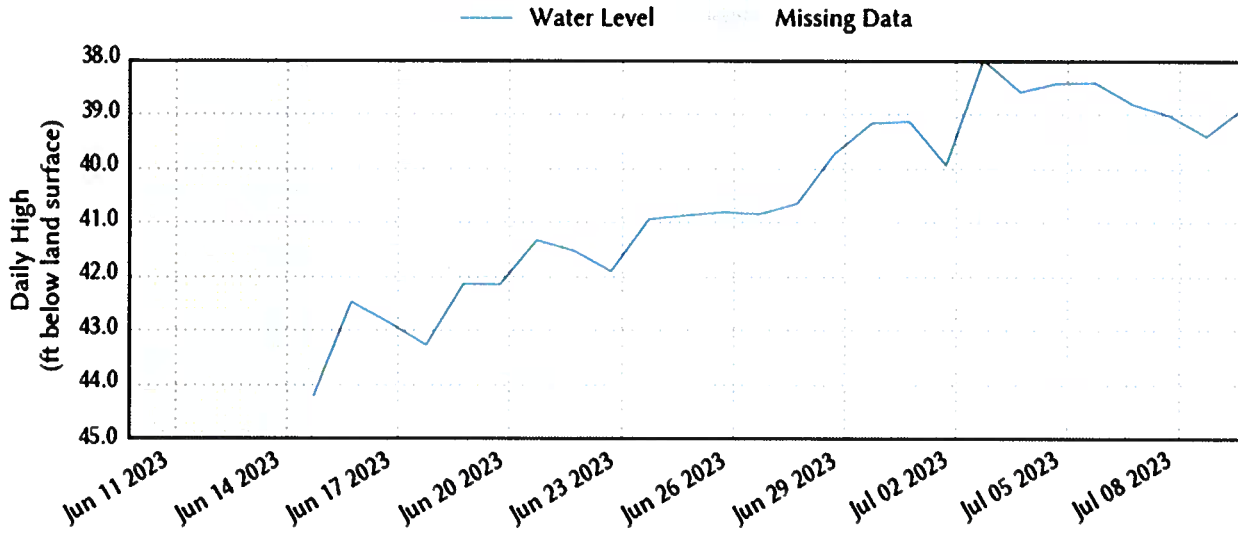


July 2023

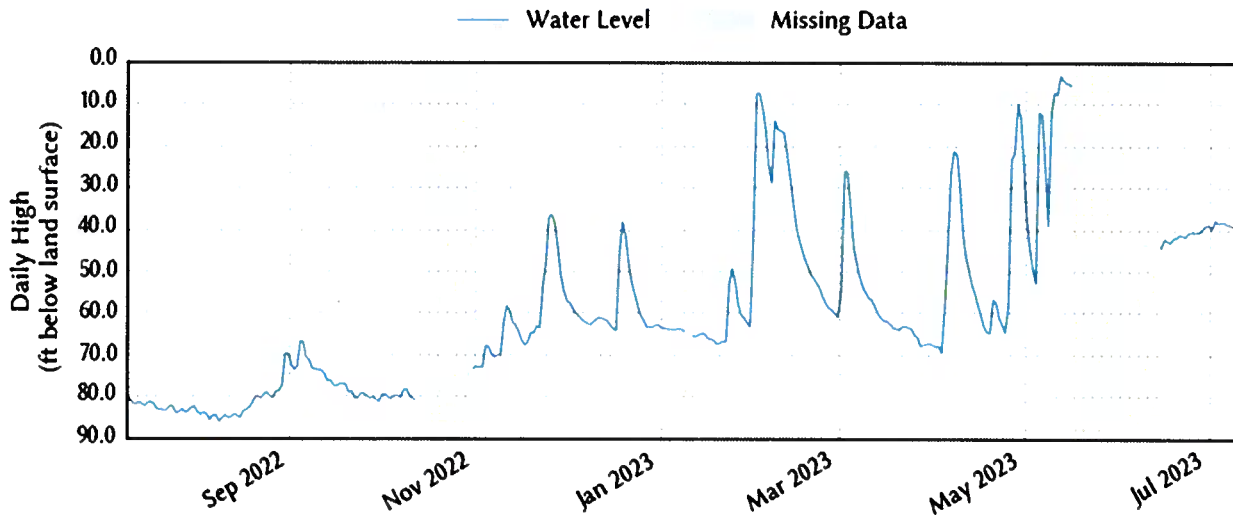
**Continuous Monitoring Well # 5804628
(Salado Cemetery)
Edwards Aquifer**

Total Depth: 129 ft

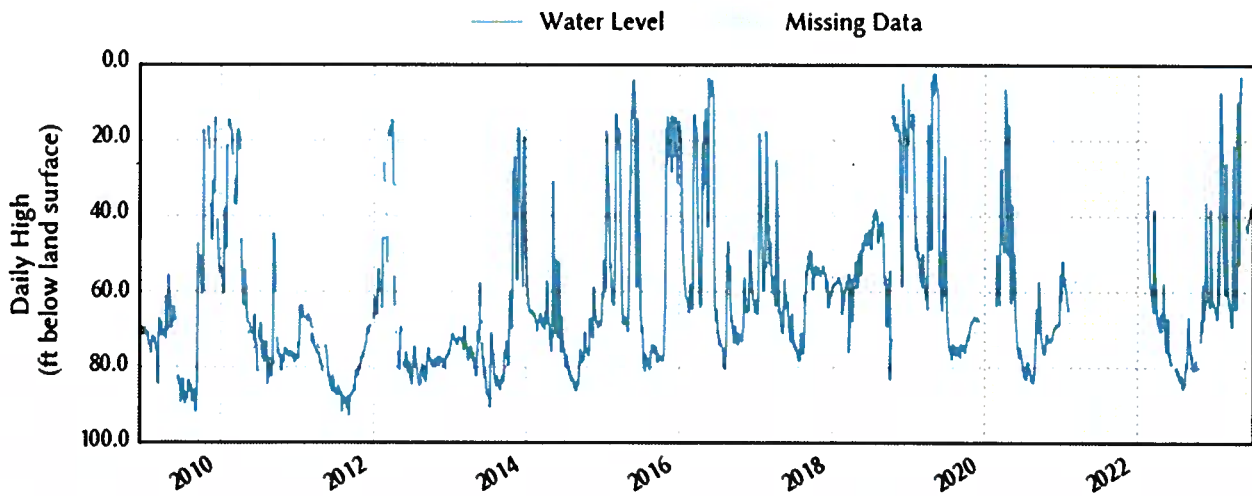
Last 30 Days



1 Year



Period Of Record



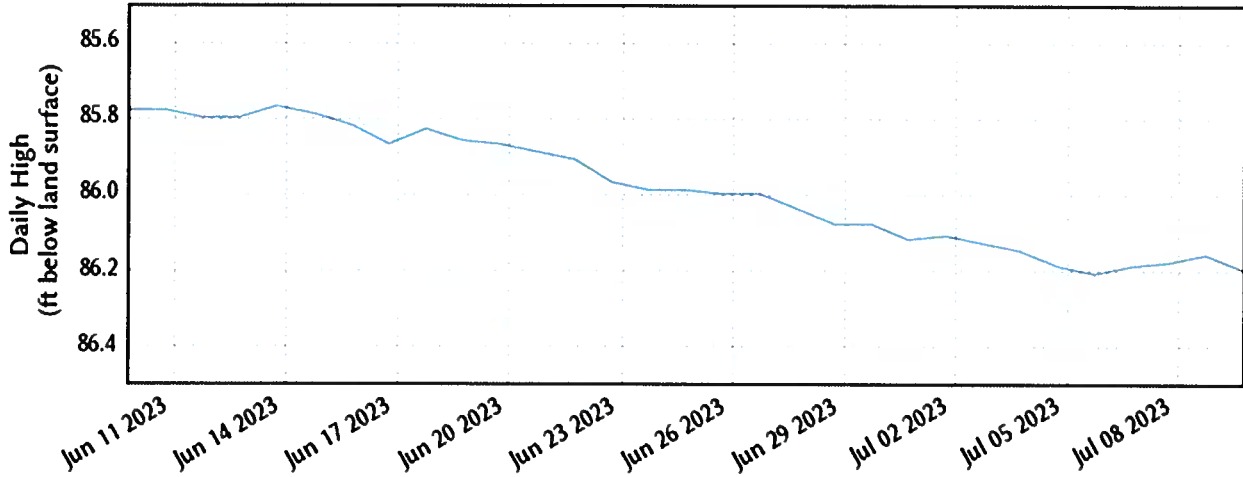
July 2023

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

Total Depth: 435 ft

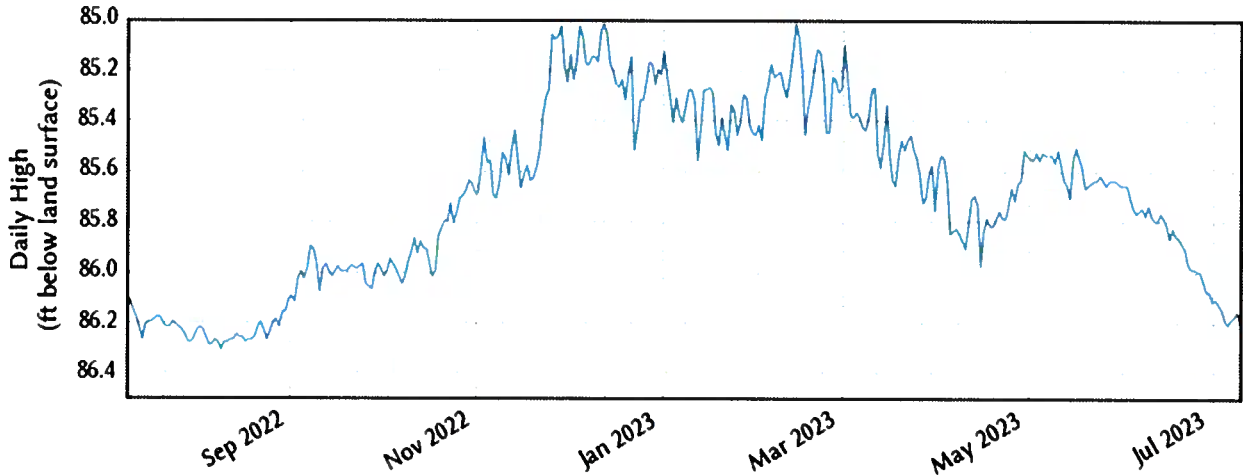
Last 30 Days

— Water Level



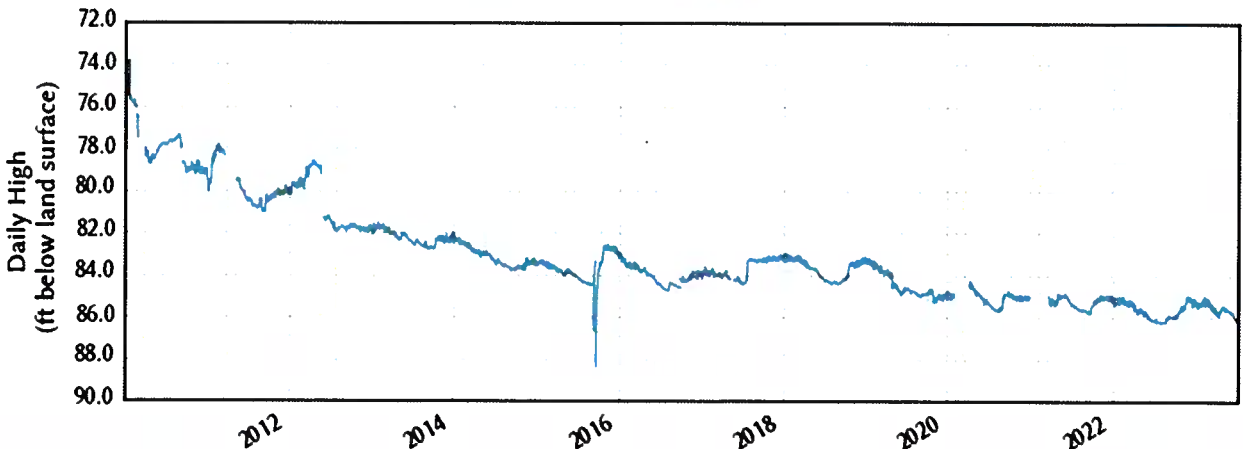
1 Year

— Water Level



Period Of Record

— Water Level
— Missing Data

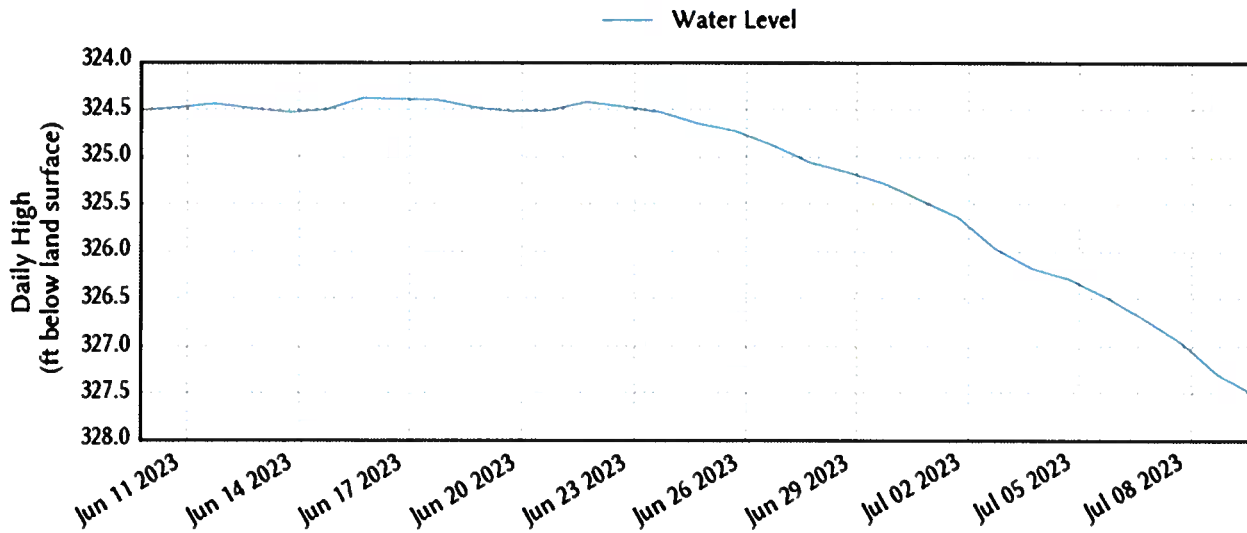


July 2023

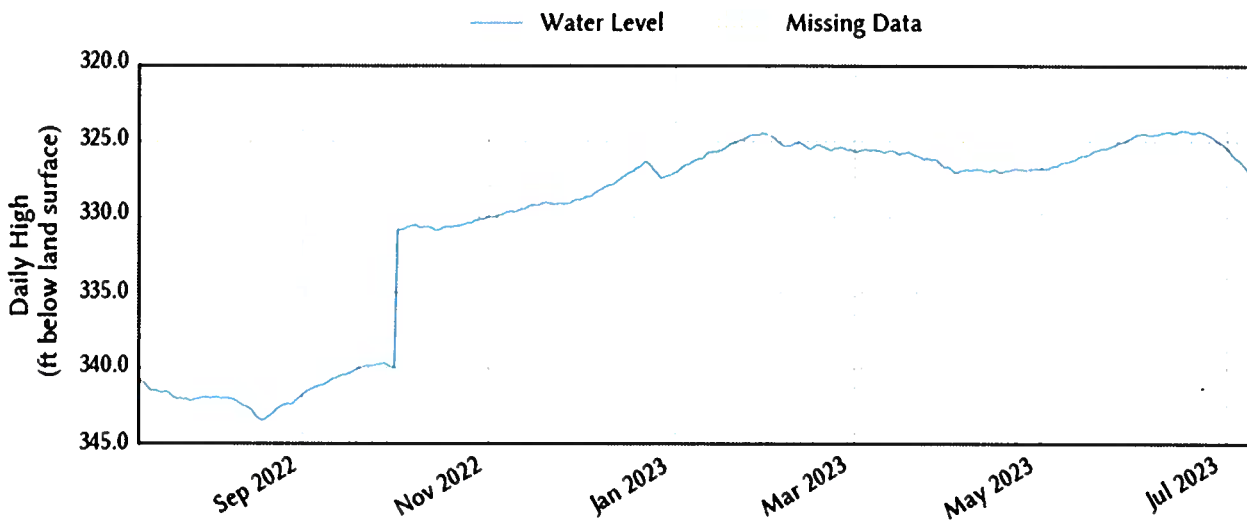
**Continuous Monitoring Well # 4057601
(Copperas Cove)
Middle Trinity Aquifer**

Last 30 Days

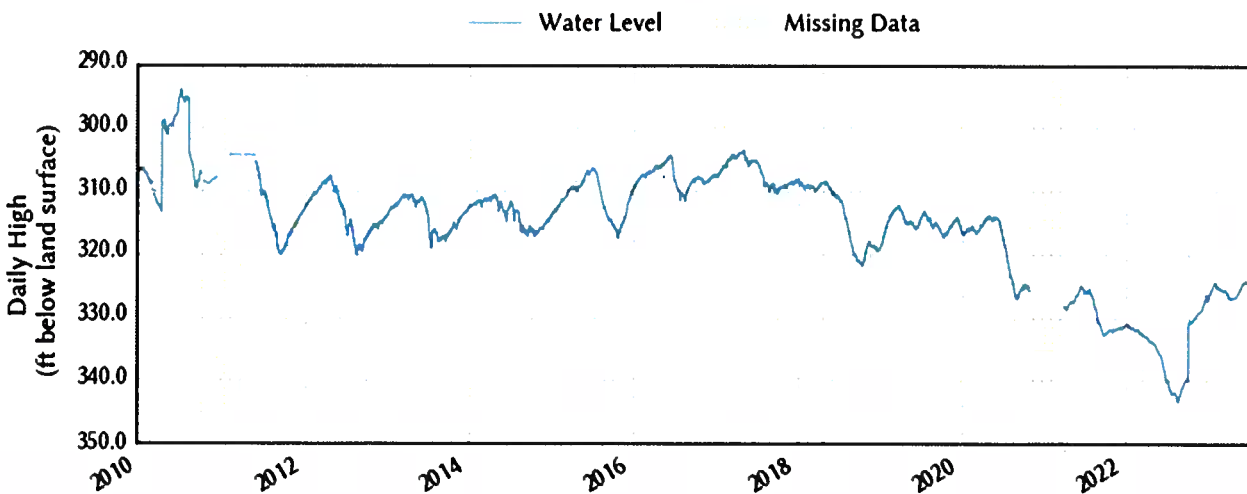
Total Depth: 469ft



1 Year



Period Of Record



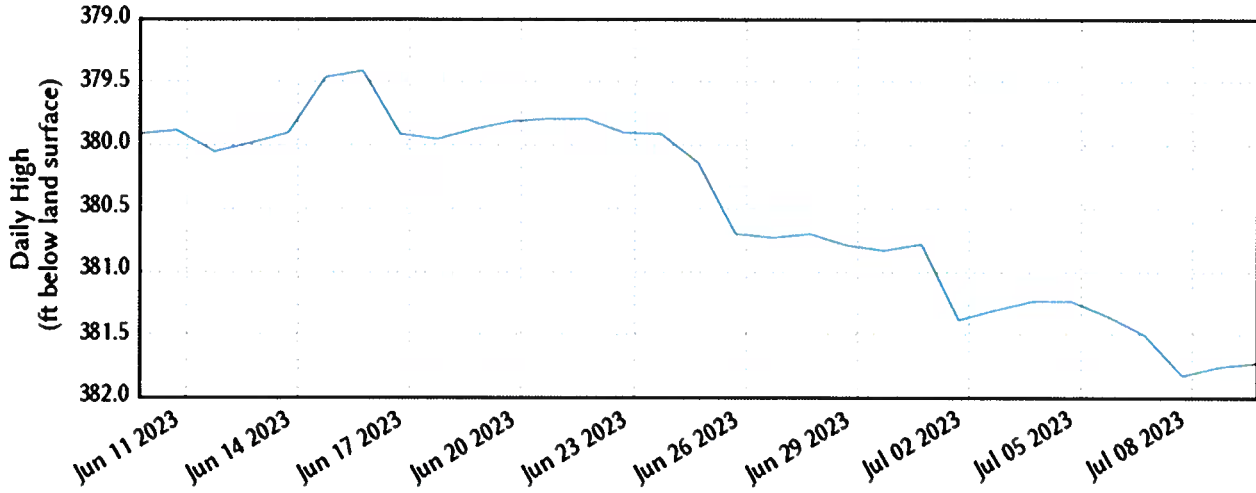
July 2023

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

Total Depth: 467 ft

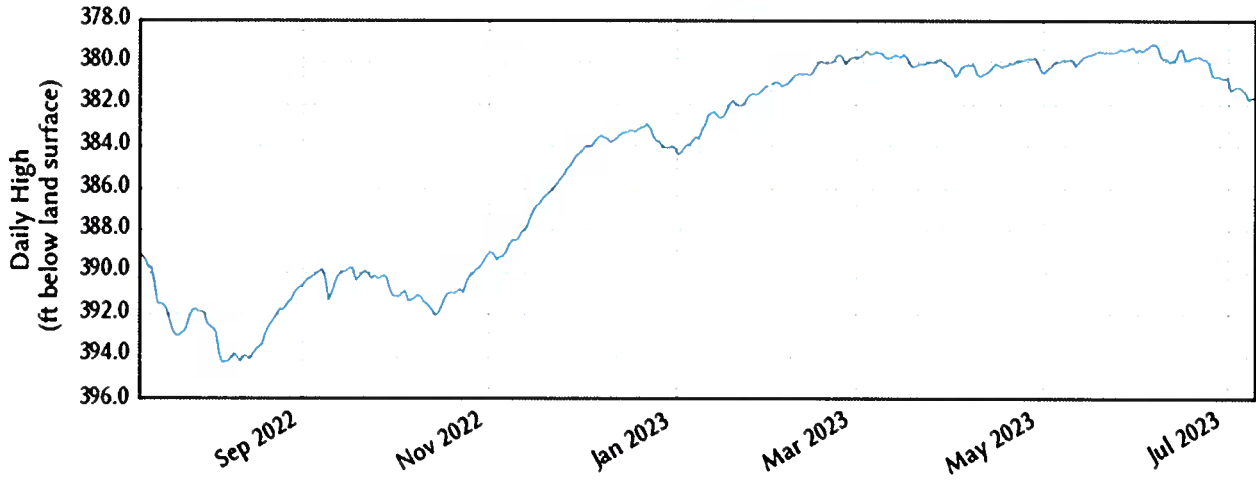
Last 30 Days

Water Level



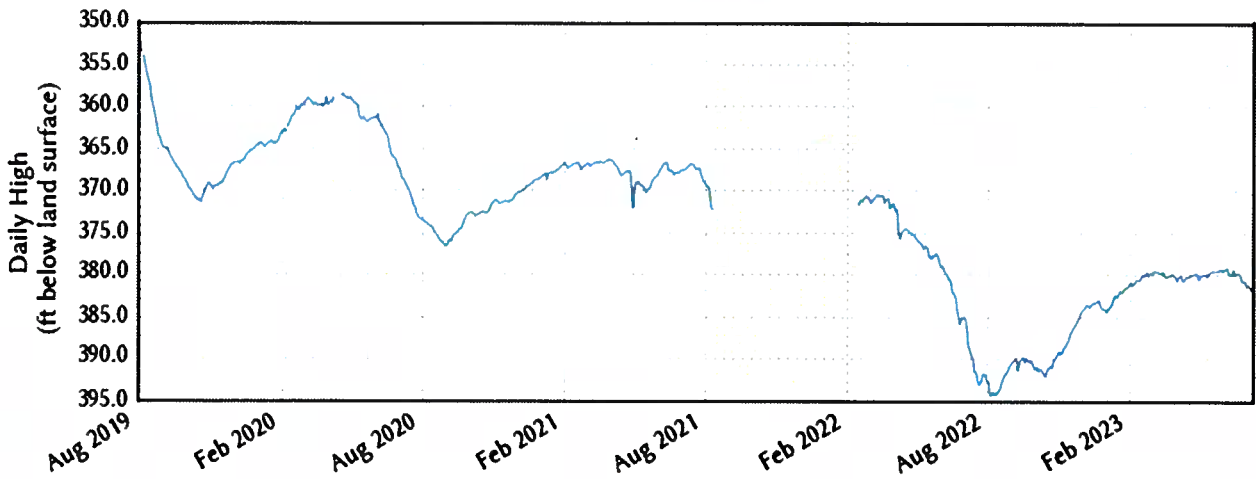
1 Year

Water Level Missing Data



Period Of Record

Water Level Missing Data

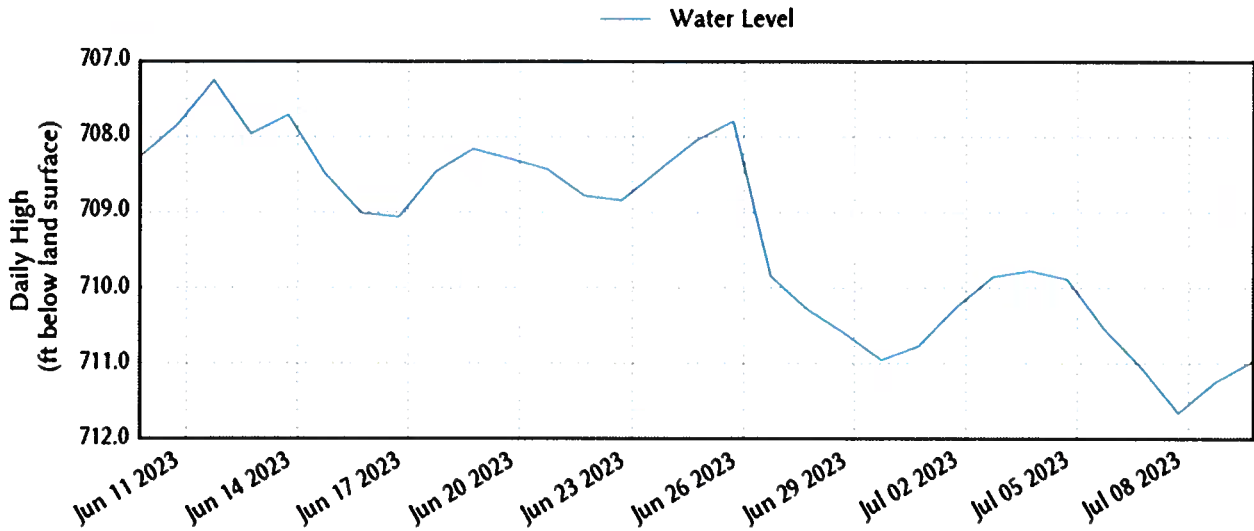


July 2023

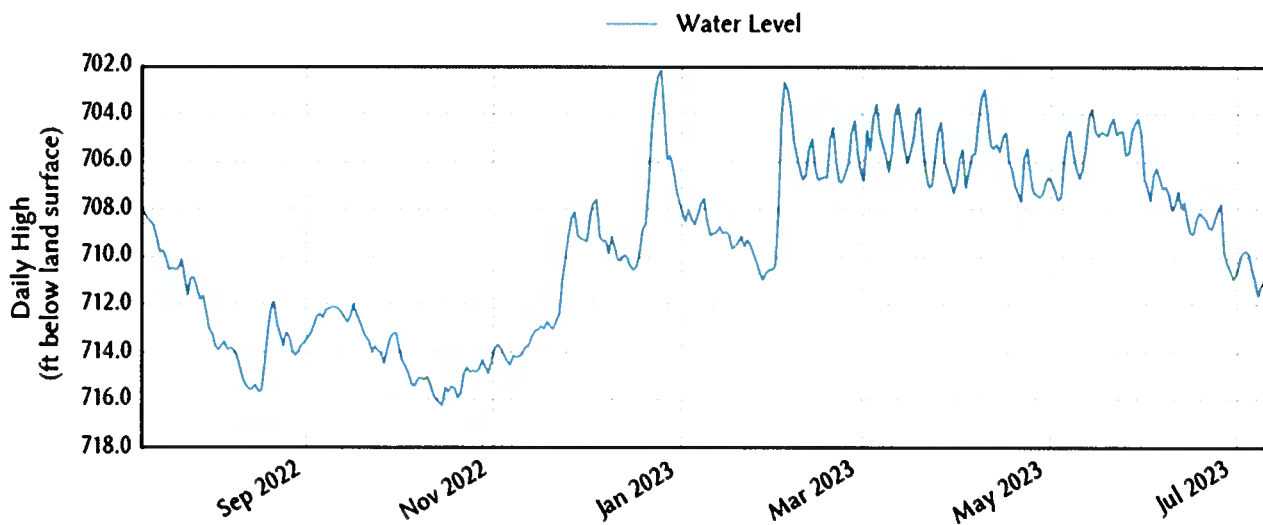
**Continuous Monitoring Well # 5803701
(Gault Site - Williamson County)
Middle Trinity Aquifer**

Total Depth: 880 ft

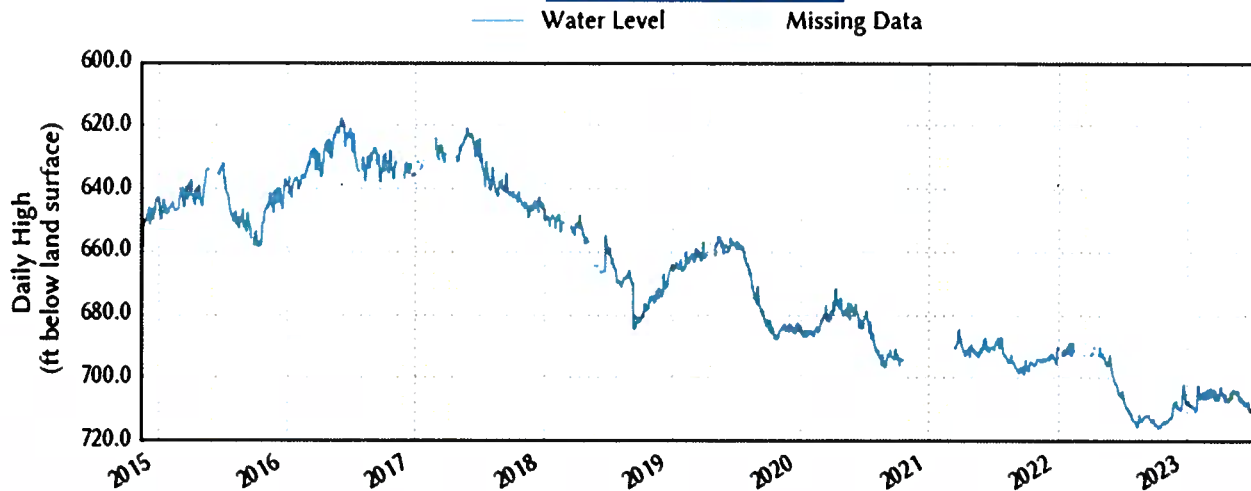
Last 30 Days



1 Year



Period Of Record

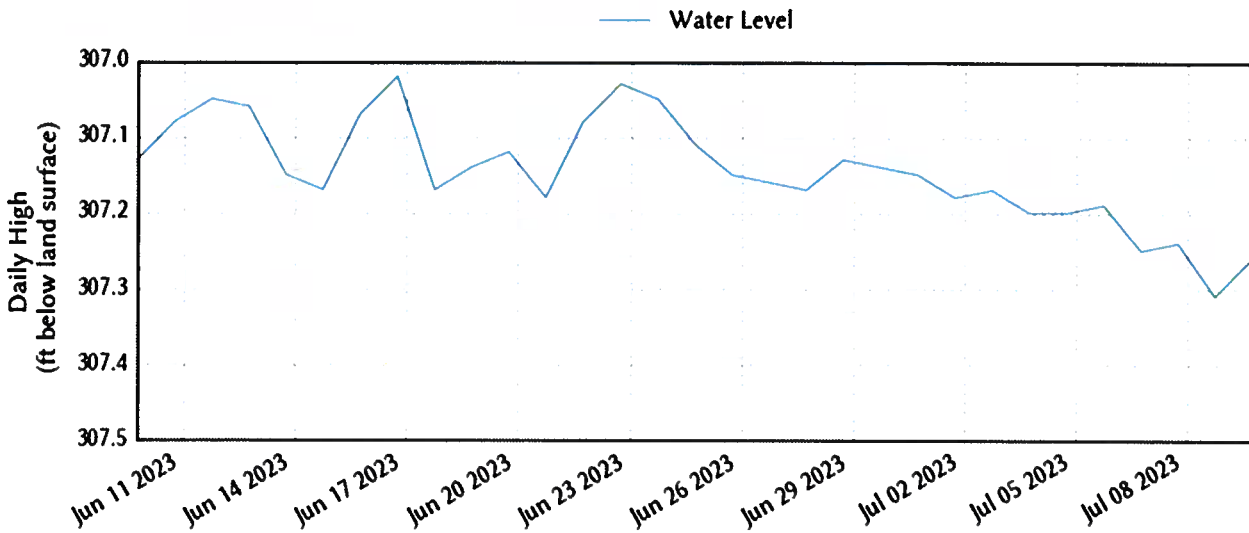


July 2023

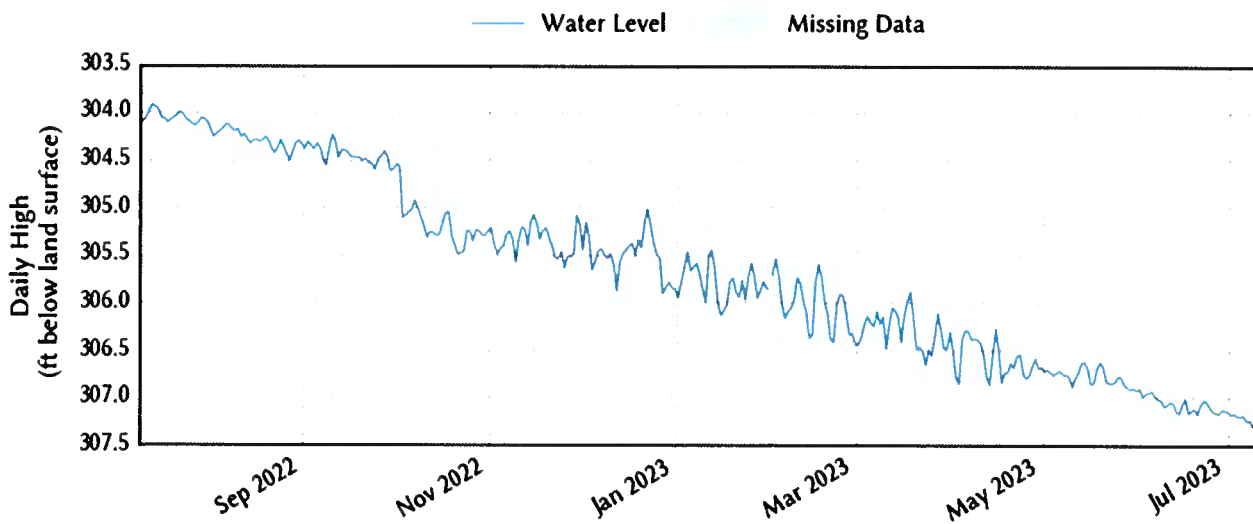
**Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer**

Total Depth: 629 ft

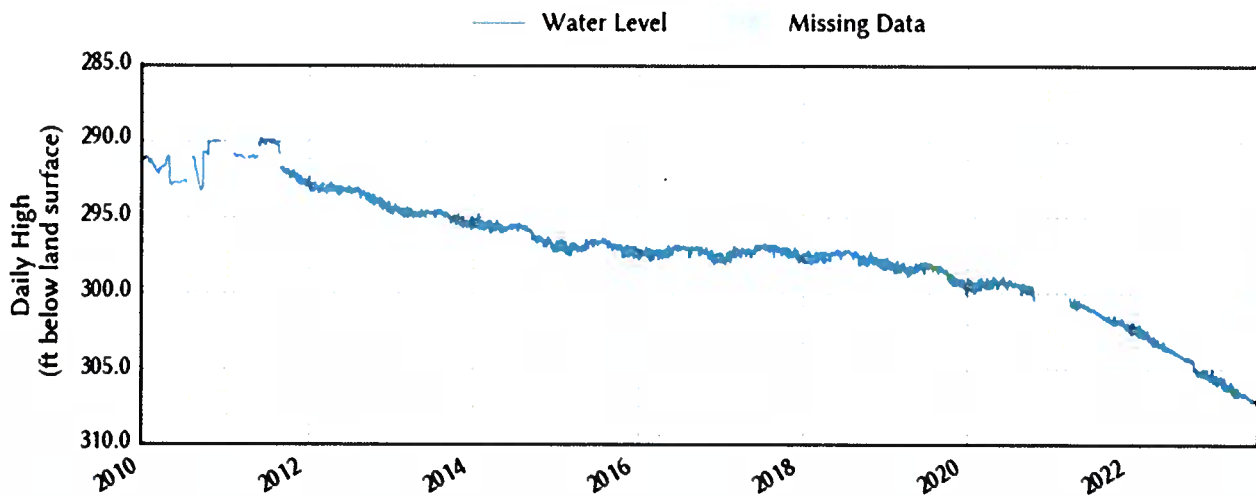
Last 30 Days



1 Year



Period Of Record

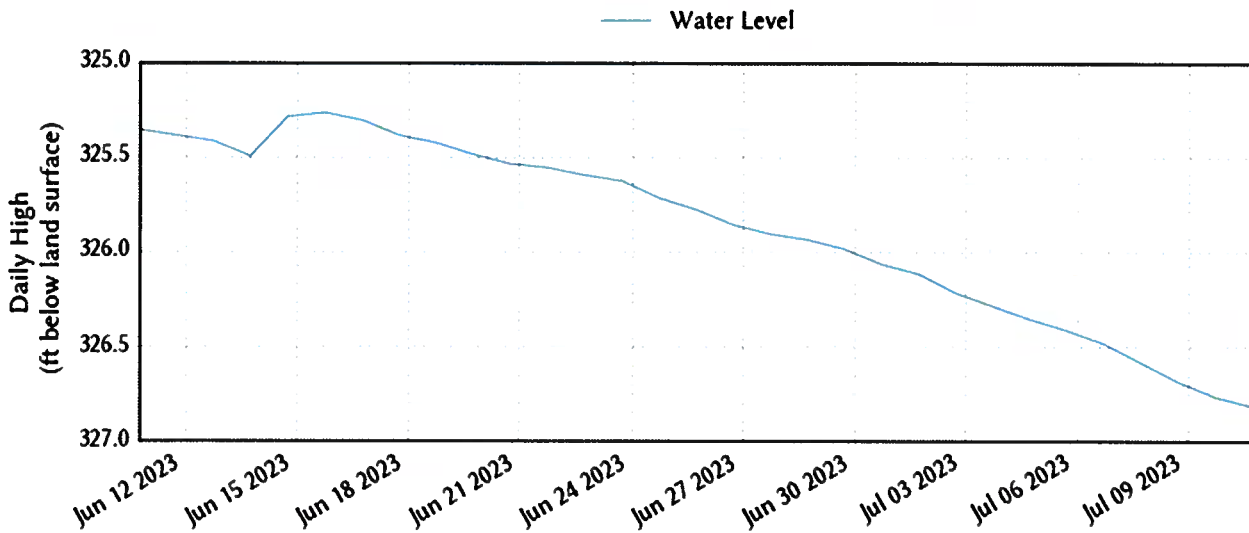


July 2023

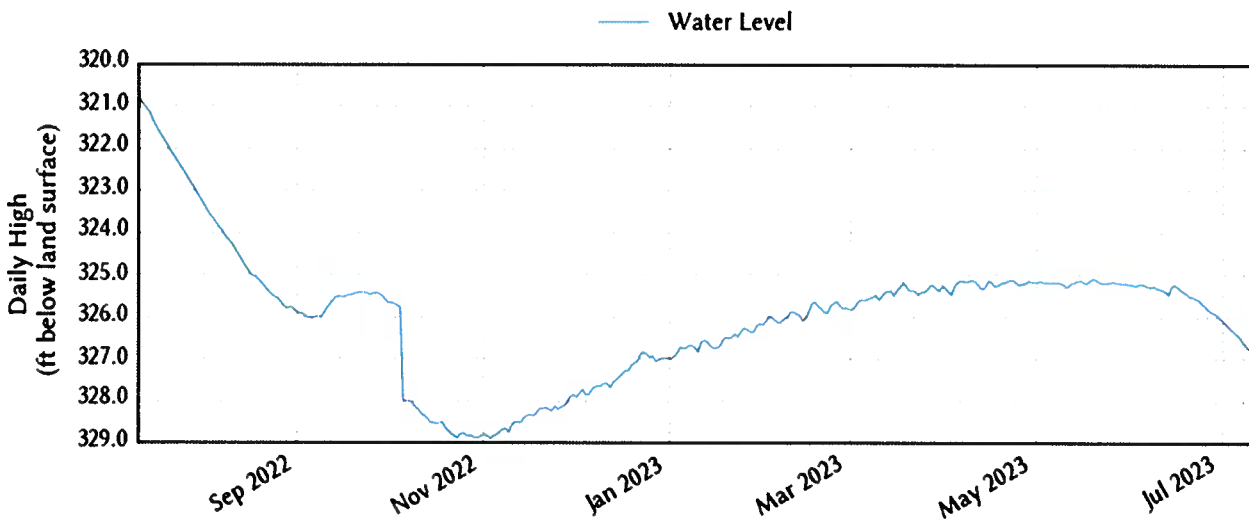
**Continuous Monitoring Well # 5802303
(Killeen - River Ridge Ranch Park Well #2)
Lower Trinity Aquifer**

Total Depth: 637 ft

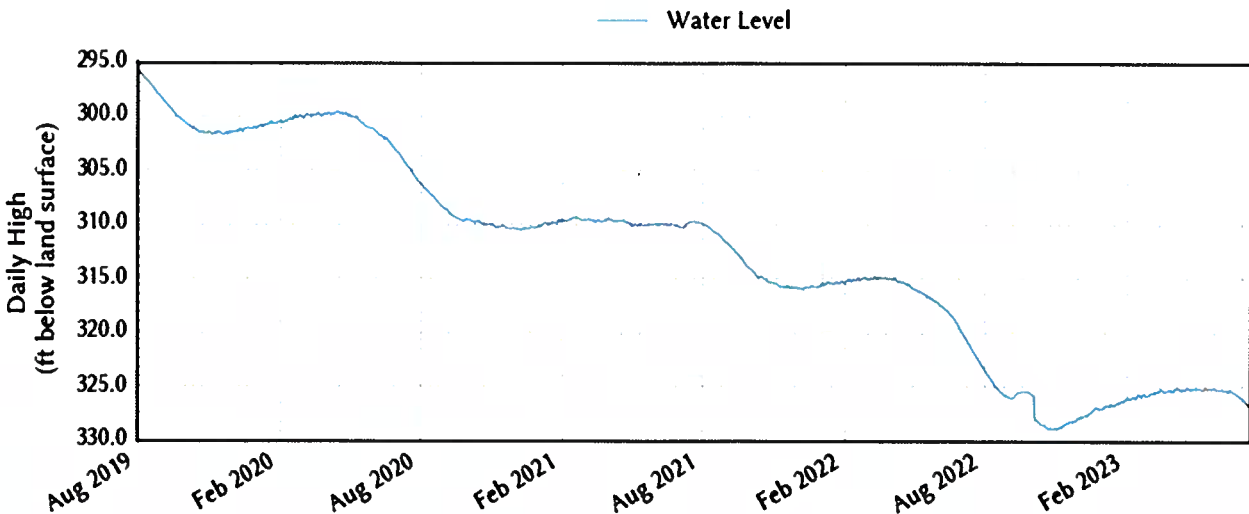
Last 30 Days



1 Year



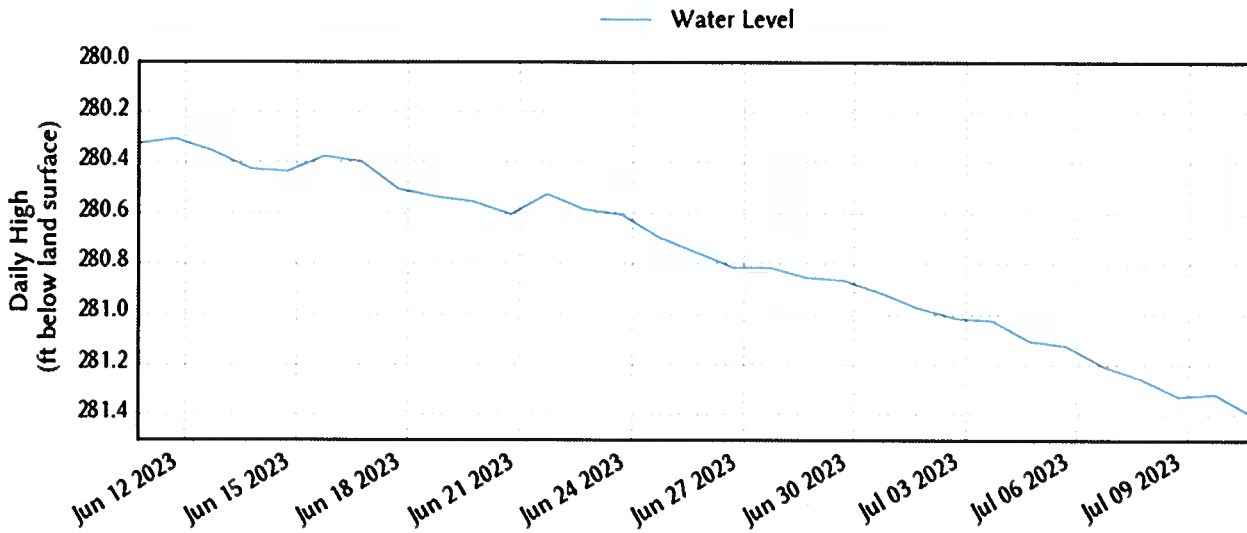
Period Of Record



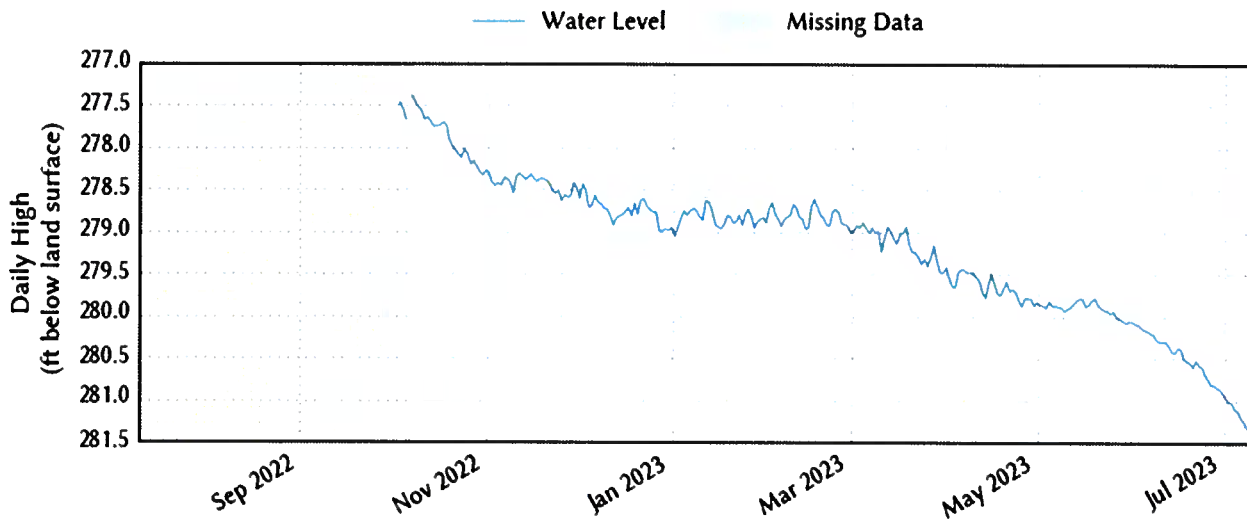
Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer

Total Depth: 1,261 ft

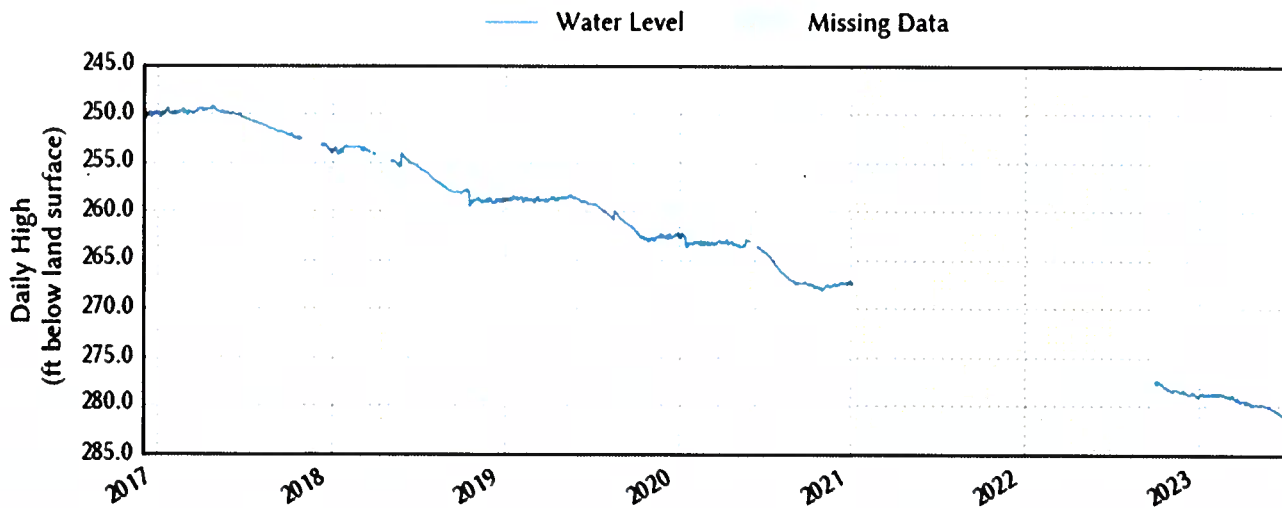
Last 30 Days



1 Year



Period Of Record



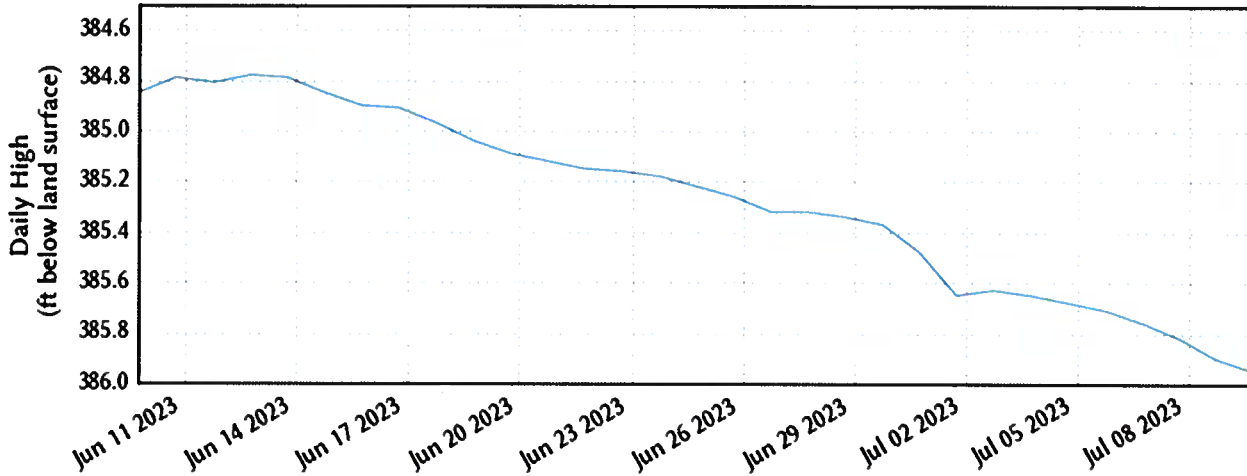
July 2023

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

Total Depth: 2,236 ft

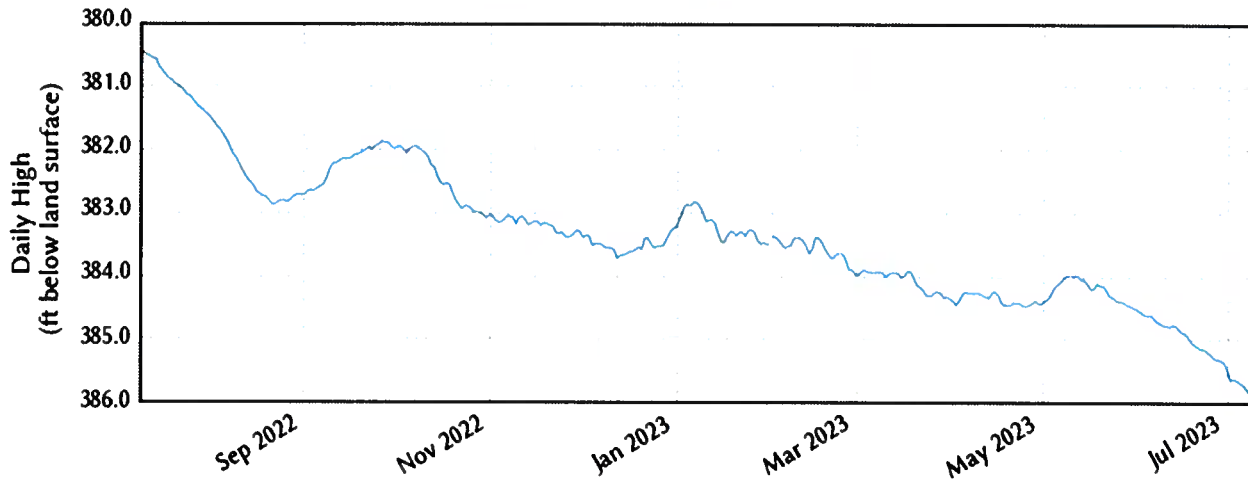
Last 30 Days

— Water Level



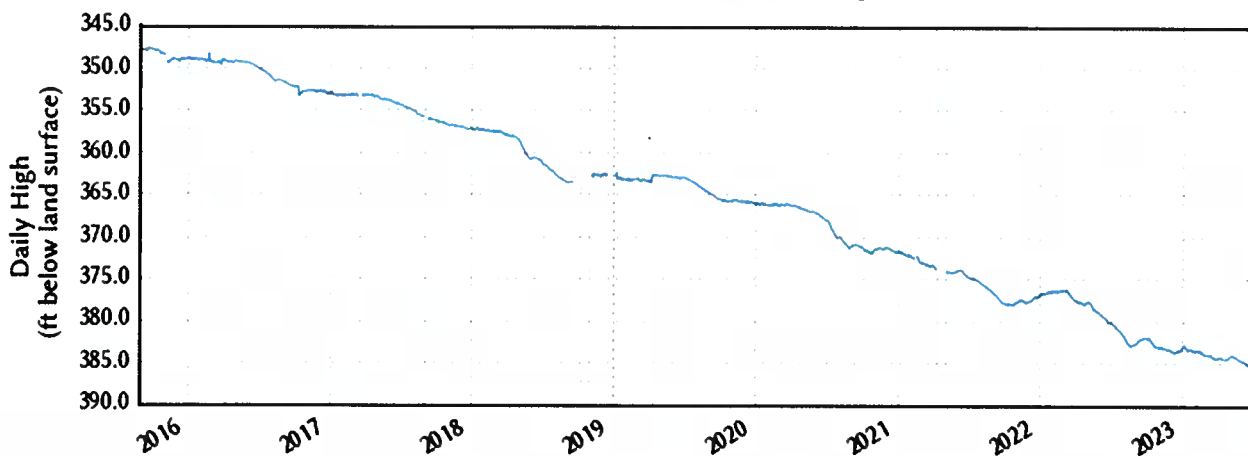
1 Year

— Water Level — Missing Data



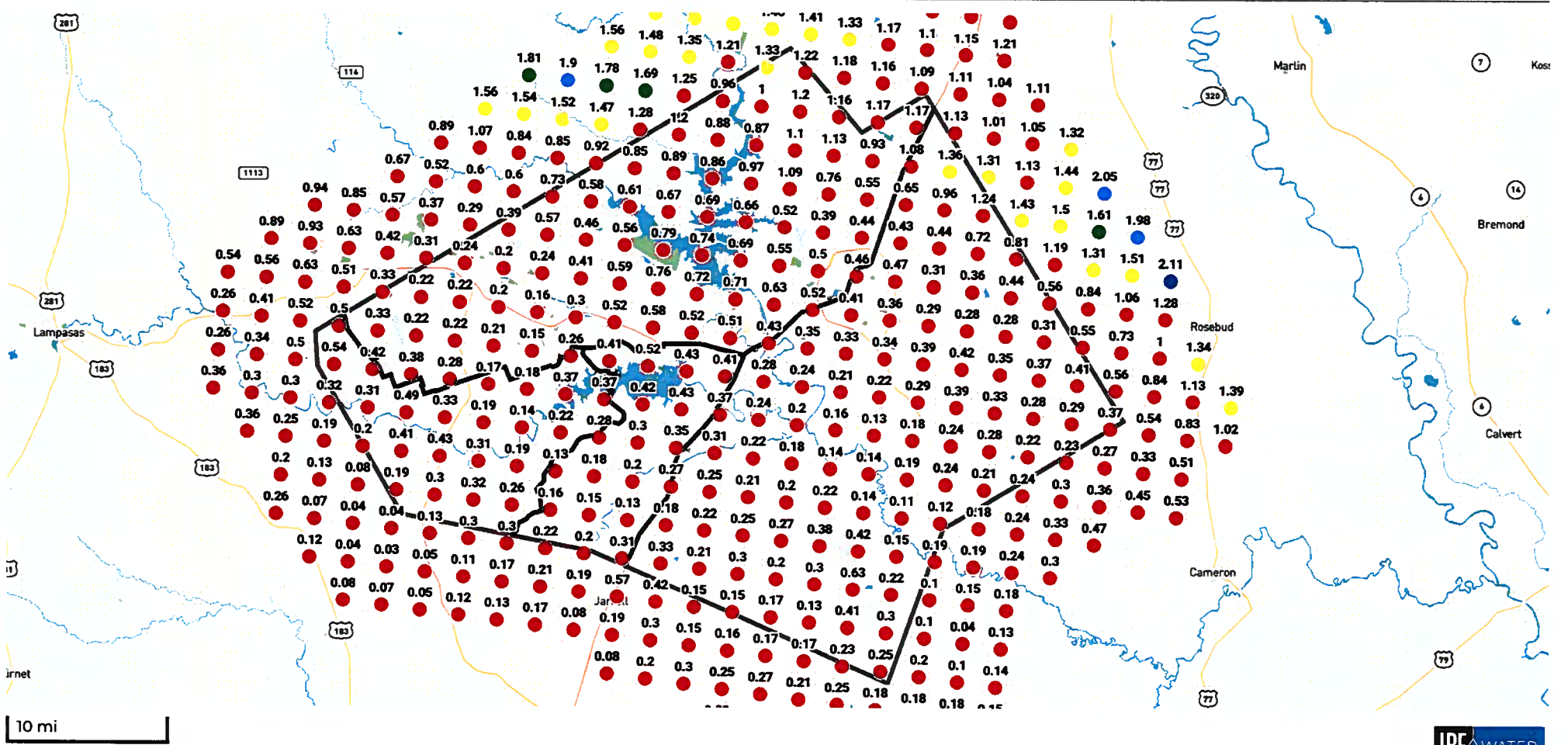
Period Of Record

— Water Level — Missing Data





CUWCD Map NOAA 30 Day Rainfall Created: July 11th 2023, 2:34pm

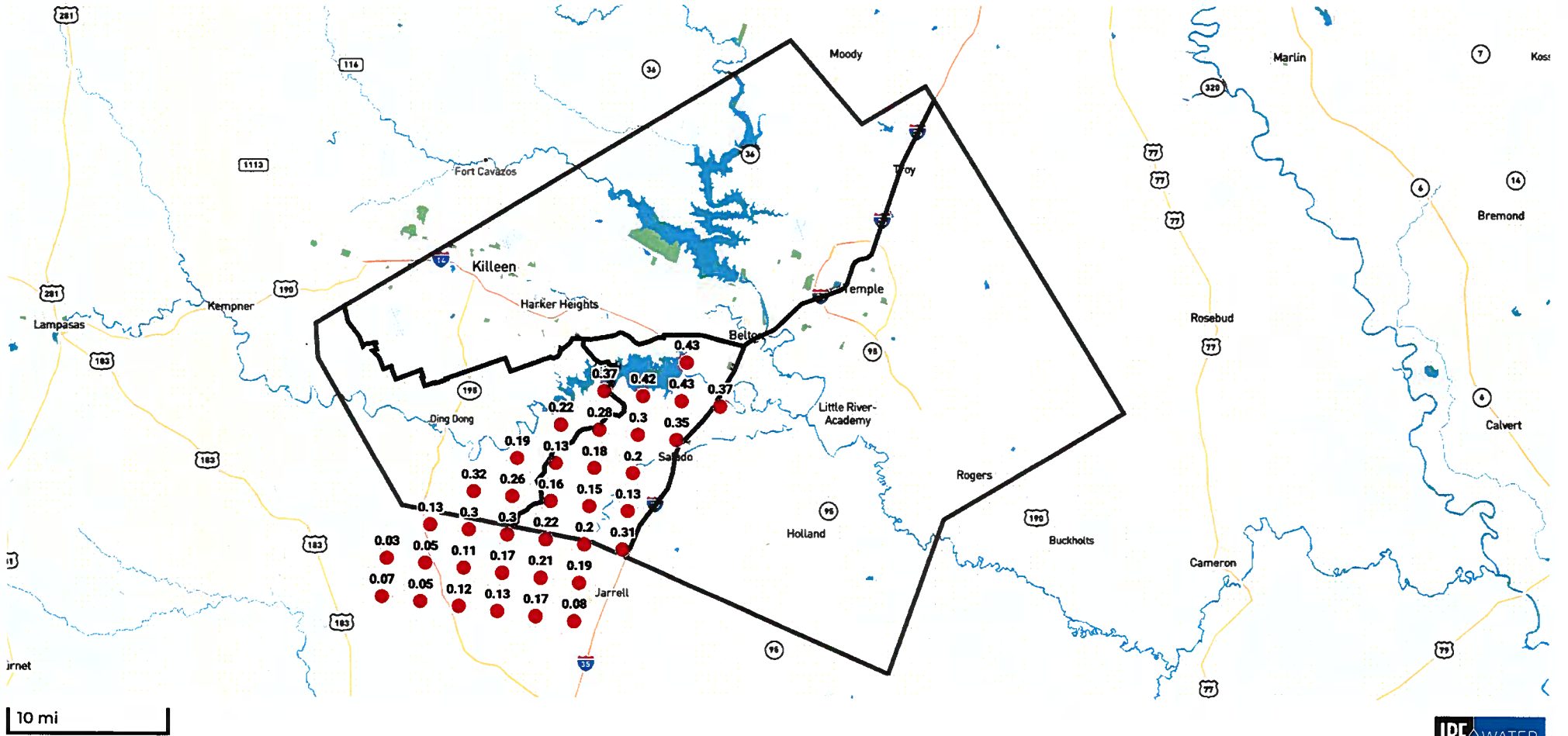




CUWCD Map

NOAA 30 Day Rainfall - Edwards BFZ

Created: July 11th 2023, 2:34pm

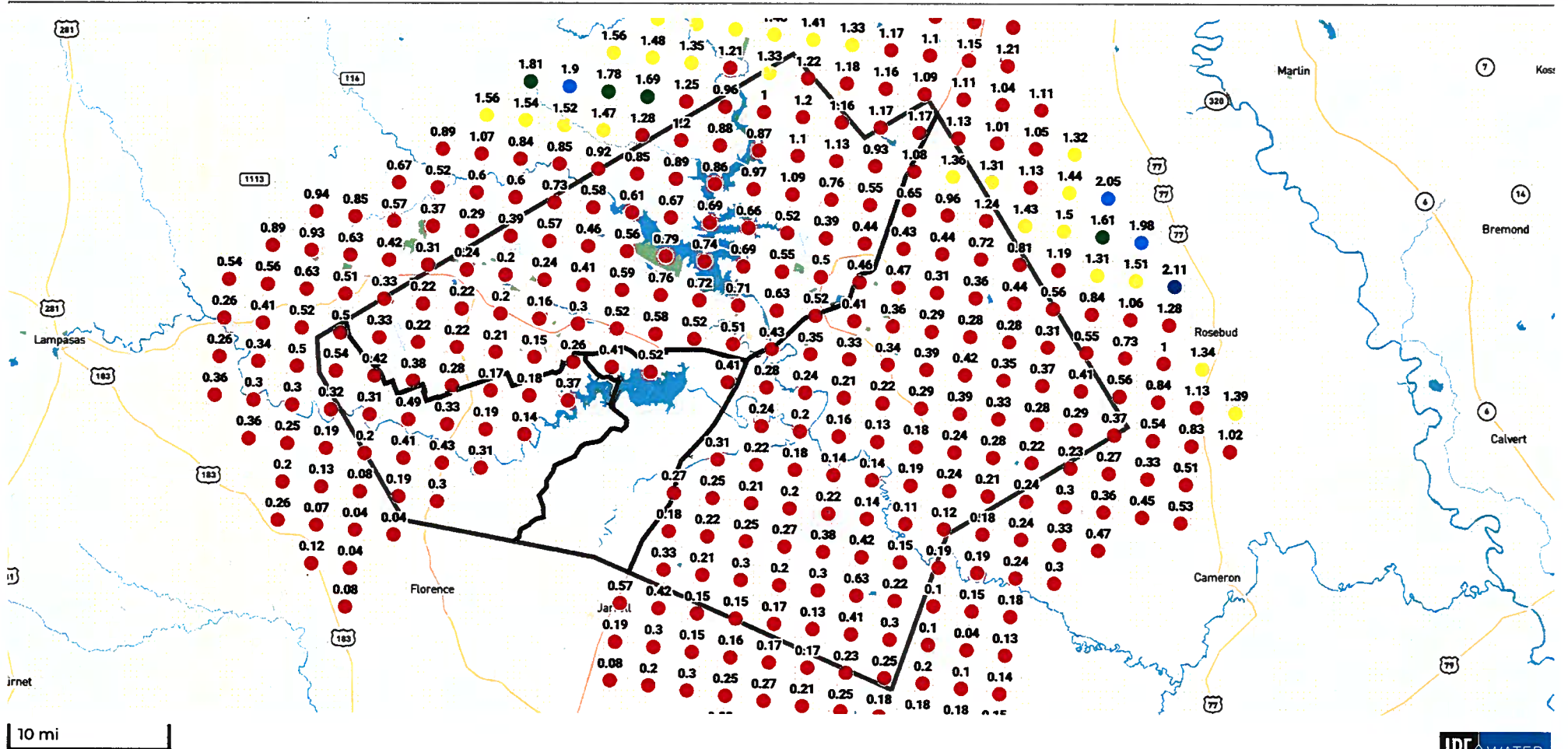




Every drop counts!

CUWCD Map NOAA 30 Day Rainfall - Trinity

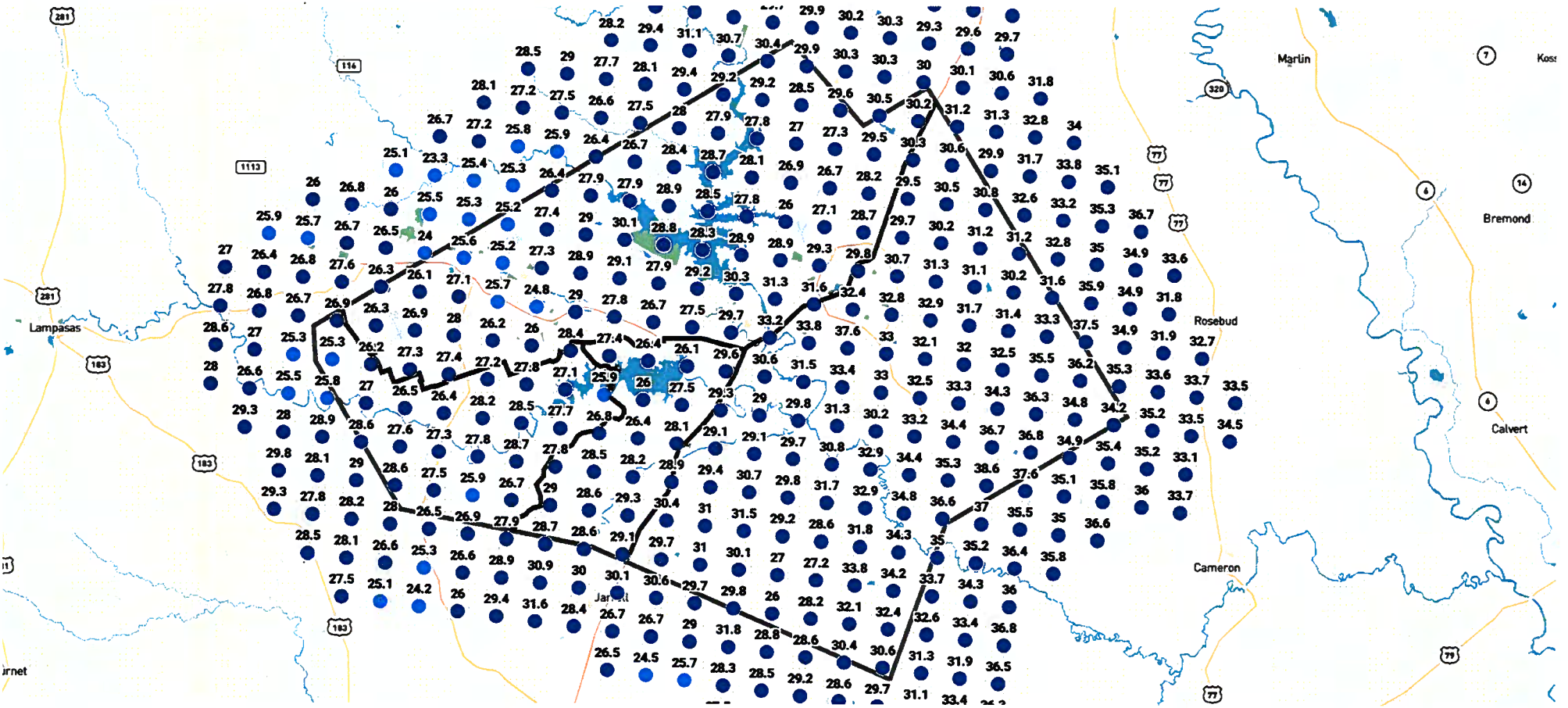
Created: July 11th 2023, 2:34pm





Every drop counts!

CUWCD Map NOAA 365 Day Rainfall Created: July 11th 2023, 2:35pm



10 mi

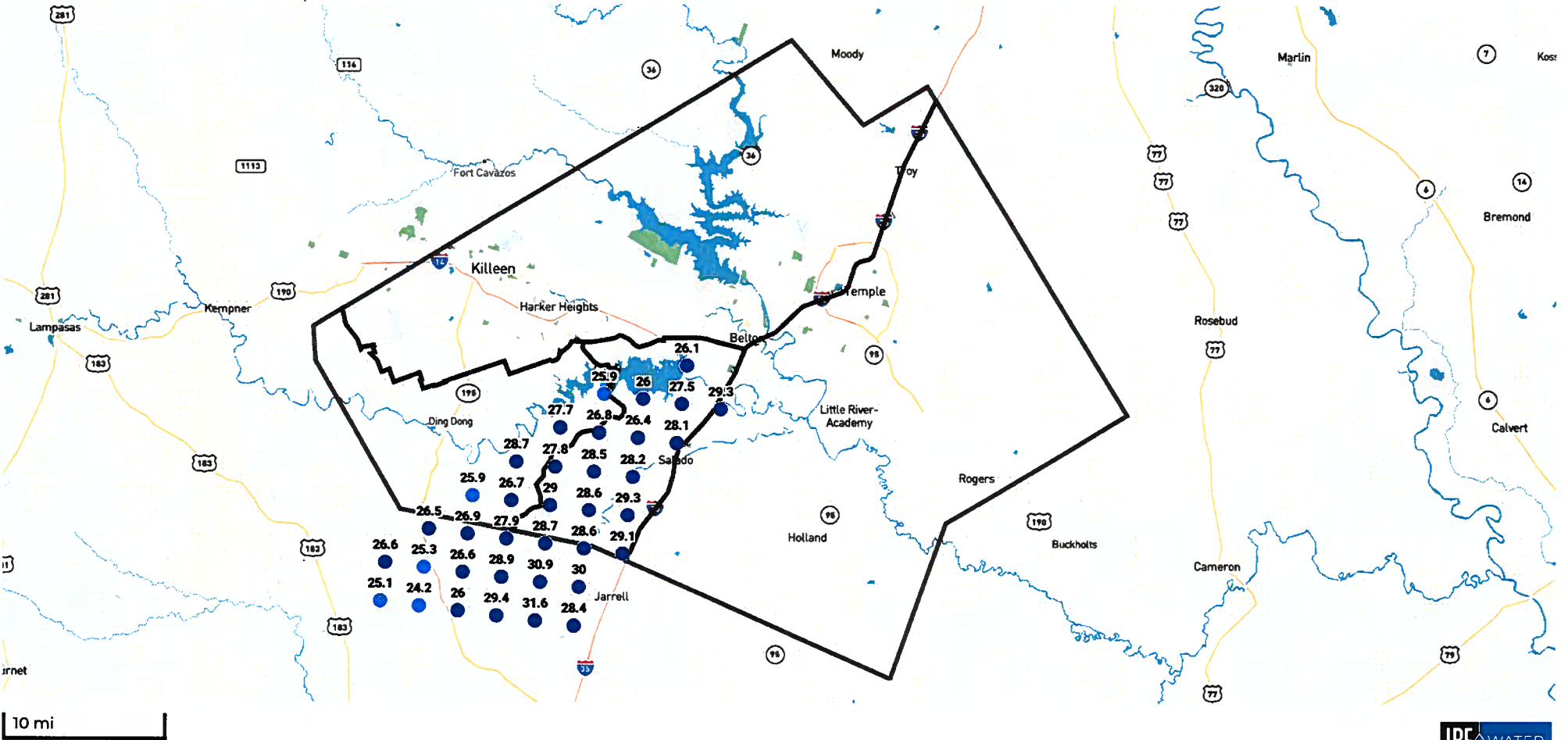




CUWCD Map

NOAA 365 Day Rainfall - Edwards BFZ

Created: July 11th 2023, 2:35pm



10 mi

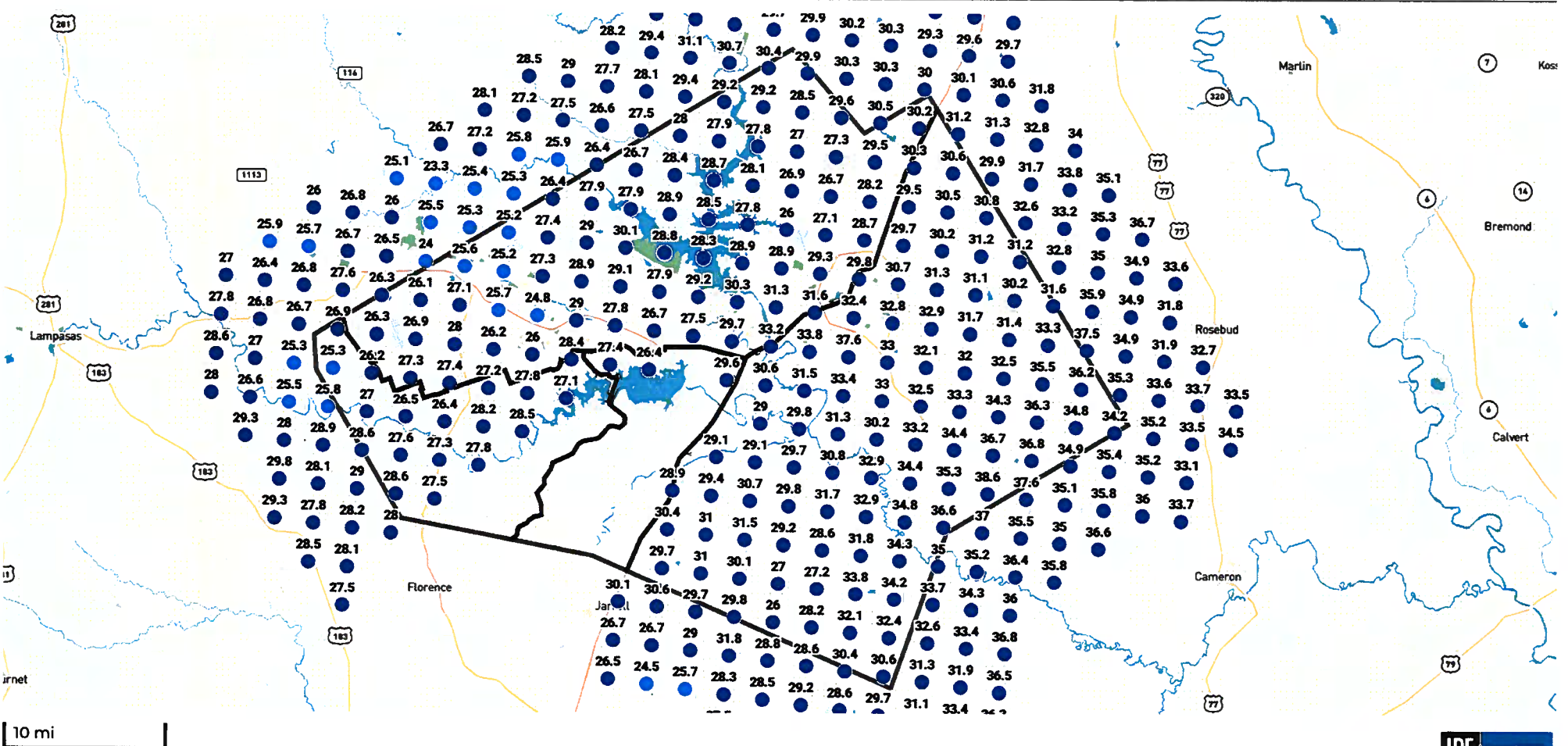




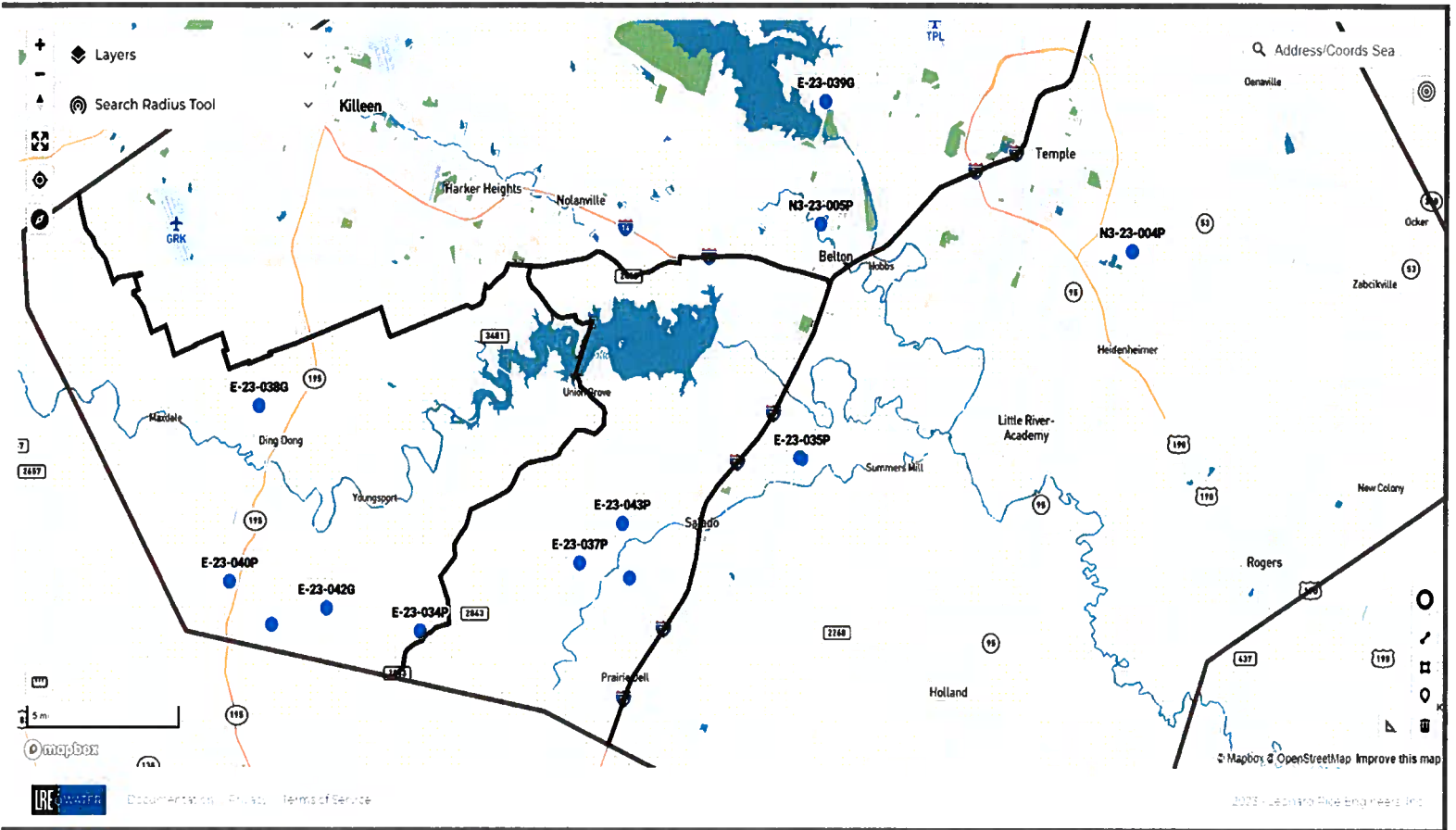
CUWCD Map

NOAA 365 Day Rainfall - Trinity

Created: July 11th 2023, 2:35pm



Registered Wells - June 2023



<u>Well #</u>	<u>Owner</u>	<u>Address</u>	<u>City</u>	<u>Aquifer</u>	<u>Depth</u>	<u>Use</u>	<u>Status</u>
E-23-034P	Tumey	14140 FM 2843	Salado	Undeclared	840	Domestic	Proposed
E-23-035P	Gough	3165 Worth Ln	Belton	Undeclared	220	Domestic	Proposed
E-23-036P	Bivins	151 Holo Circle	Wahiawa, HI	Undeclared	200	Domestic	Proposed
E-23-037P	McQueen	1228 Mission Tr	Salado	Undeclared	900	Domestic	Proposed
E-23-038G	Bray	1378 Pecan Creek Rd	Killeen	Up Trinity	384	Domestic	Active
E-23-039G	Hecke	13133 FM 2601 #60	Moody	Ed Equ	37	Domestic	Abandoned
E-23-040P	Tanner	PO Box 1091	Spring Branch	Mid Trinity	600	Domestic	Proposed
E-23-041P	Armitage	5041 FM 2843	Salado	Mid Trinity	900	Domestic	Proposed
E-23-042G	Harris	1184 Camino De Tierra	Florence	Mid Trinity	660	Domestic	Active
E-23-043P	Rock	1484 Rustic Trl	Salado	Mid Trinity	900	Domestic	Proposed
N3-23-003P	Baumgardner	1334 Irishmoss Tr	Round Rock	Low Trinity	580	Domestic	Proposed
N3-23-004P	City of Temple	3210 E Ave H	Temple	Low Trinity	2900	Industrial	Proposed
N3-23-005P	UMHB	900 College	Belton	Low Trinity	1200	Ag/Irrg	Proposed

Well Registration Totals - June 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									0
Aug									0
Sep									0
Oct									0
Nov									0
Dec									0
Total 2022	16	27	0	0	0	5	0	0	48
Grand Totals	4485	1249	107	37	67	6	24	121	6096

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells				Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Class 3	Water	Envr	
2002-Present	4485	1249	107	37	67	6	24	121	6096
**Never Drilled	N/A	-41	N/A	-5	-10	0	-1	0	-57
**Plugged	-282	-51	-18	-2	-1	0	-2	-60	-416
**Totals	4203	1157	89	30	56	6	21	61	5623

(**updated May 2023)