



Clearwater Underground Water Conservation District

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Clearwater Staff Reports

October 12, 2022

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

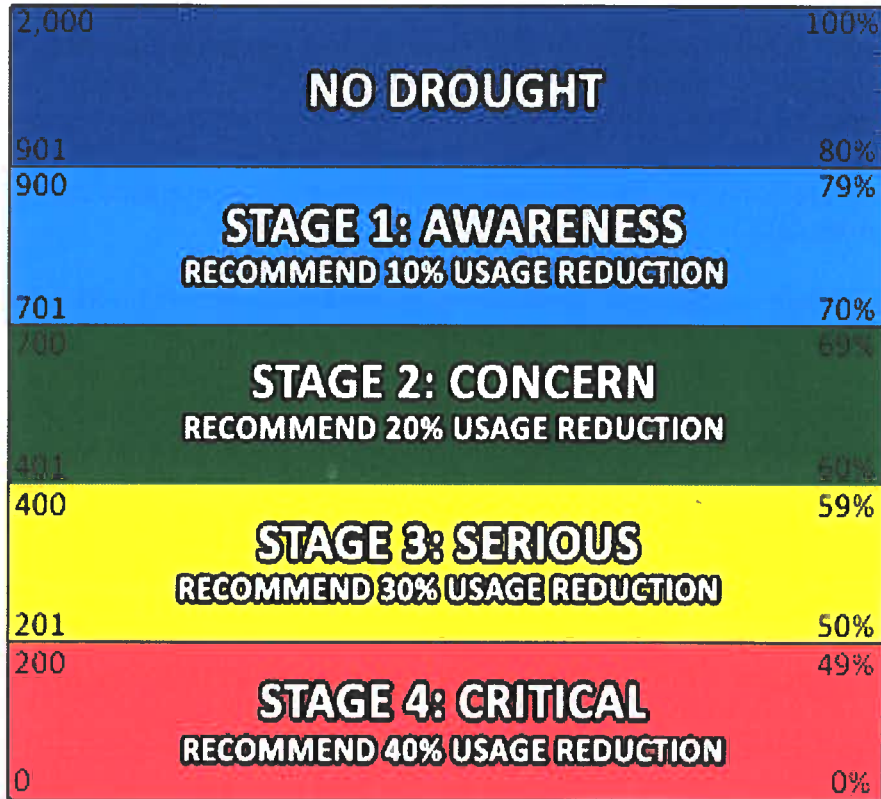
Edwards BFZ Aquifer—Drought Status Report

STAGE 3: SERIOUS

Salado Creek
Spring Discharge

411.41 ac-ft
(month)
6.914 cfs

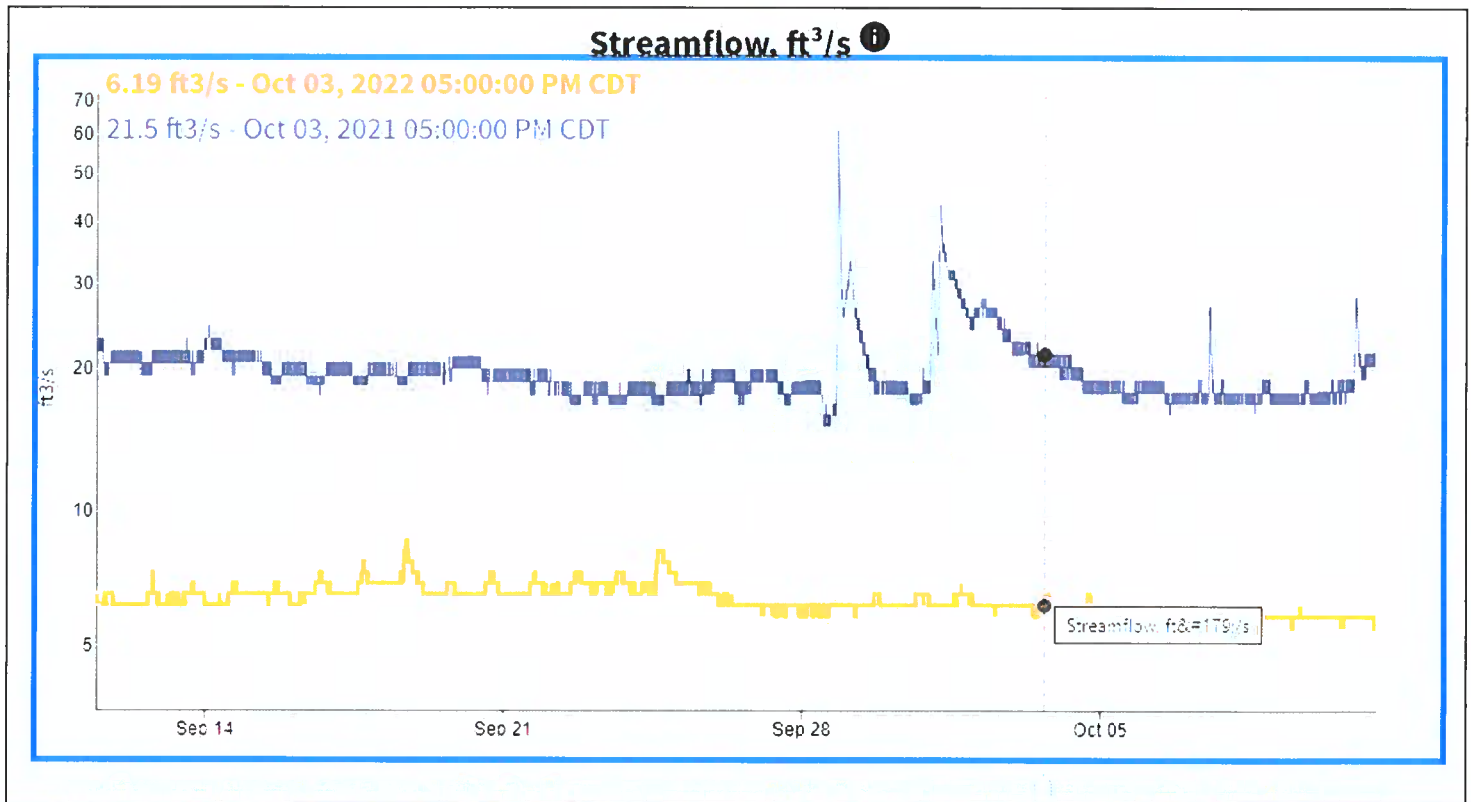
As of 10/3/2022



42 Day Count Down

If conditions stay above 6.73 cfs for 42 consecutive days, we will move out of STAGE 3 Drought Status on **OCTOBER 24th**.

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

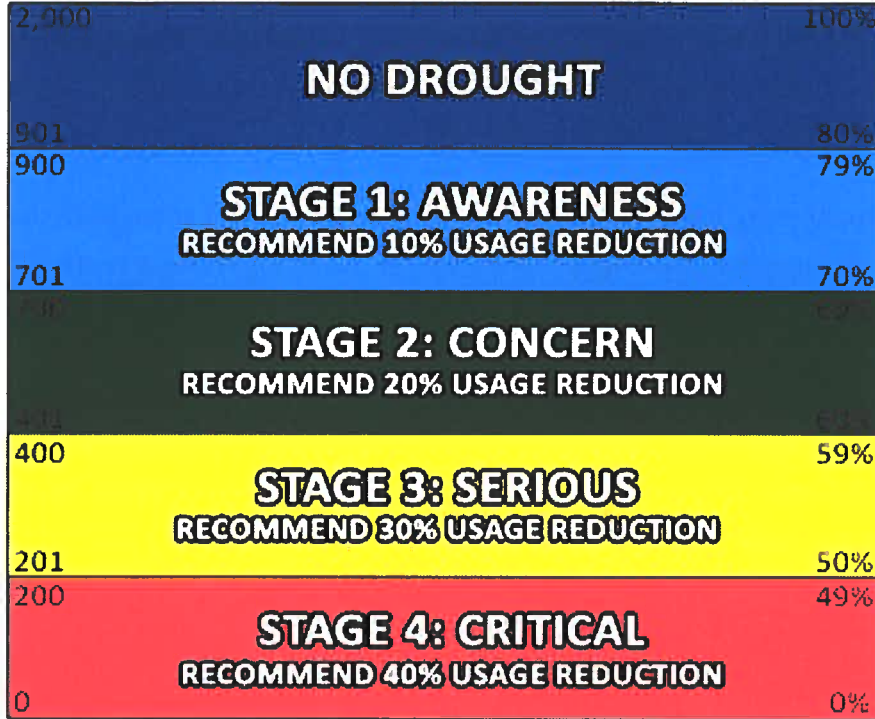


Trinity Aquifer—Drought Status Report

STAGE 3: SERIOUS

42 Day Count Down

If conditions stay above 60% PDI for 42 consecutive days, we will move out of STAGE 3 Drought Status on **OCTOBER 24th**.

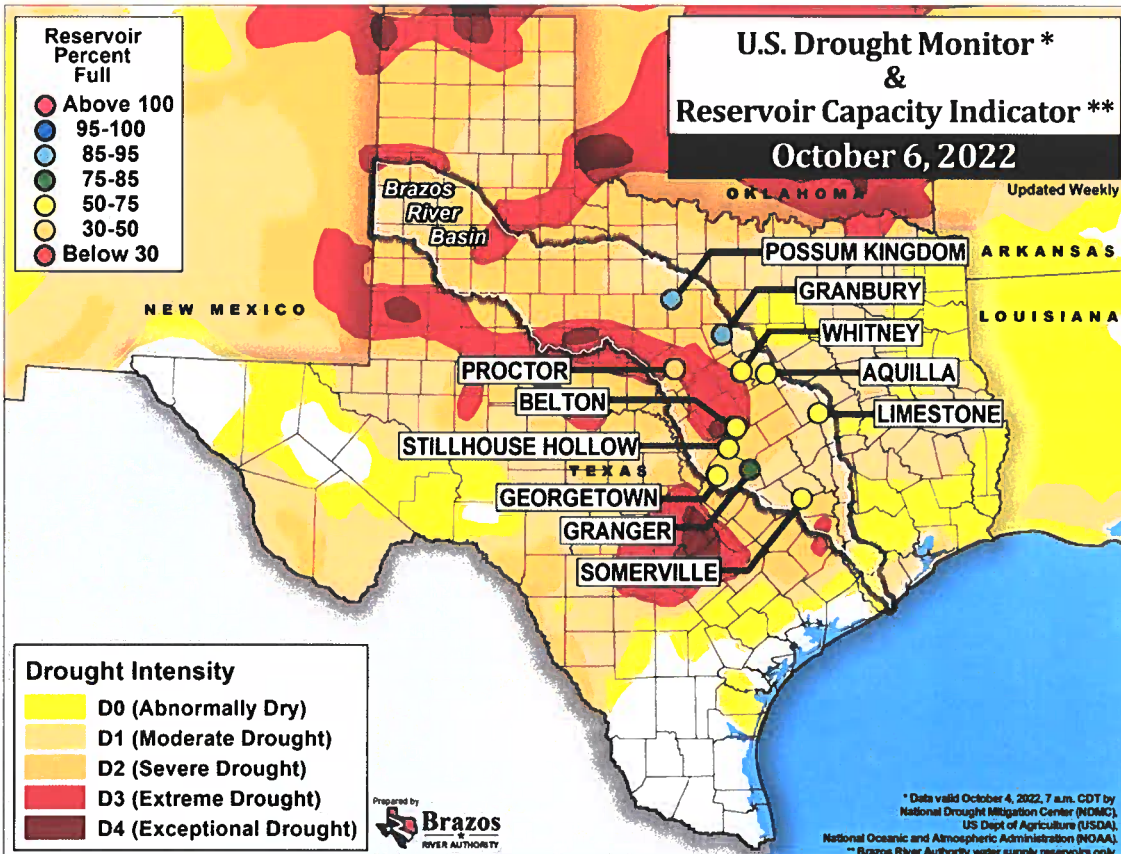


Precipitation Deficit Index (PDI)

21.874 PDI
66.28 %

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

AS OF 10/3/2022





Education Outreach Highlights 10/12/22

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).

- September 19 – Staff gave a legislative and groundwater update to the Harker Heights Chamber of Commerce. 26 in attendance.
- September 22 – Staff presented to the attendees of the Conservation Expo and held a booth. 44 in attendance.
- September 24 – Staff hosted the education trailer along with the 4-H2O Water Ambassadors at the Bell County Master Gardener’s plant sale. 60 in attendance.
- October 1-2 – Staff hosted the education trailer at the Salado Sirena Fest. 650 visited the education trailer.

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.

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).

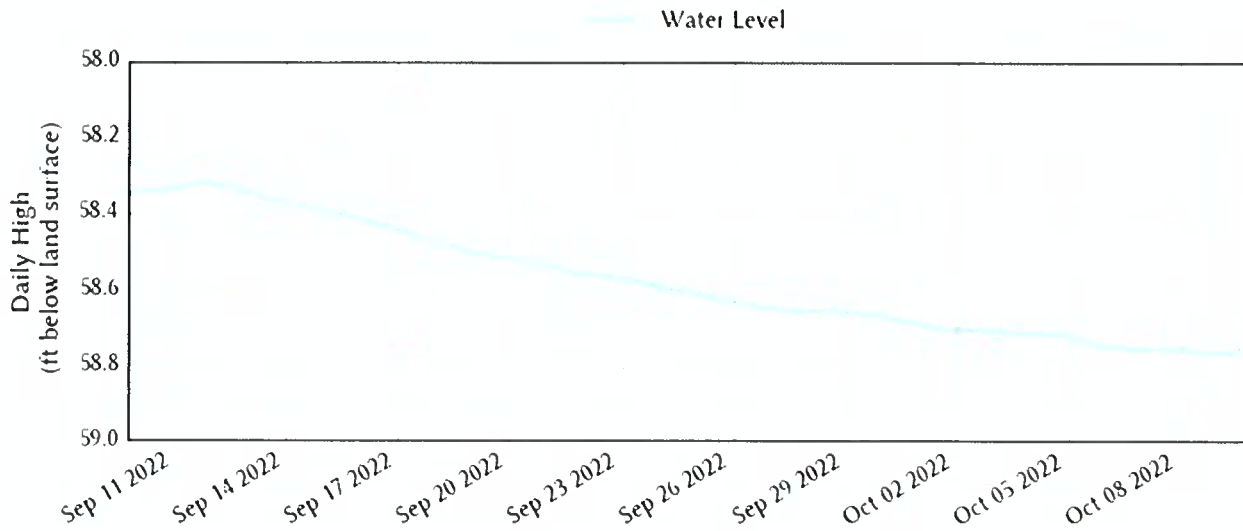
- Staff is preparing for the 2022 Bell County Water Symposium.

October 2022

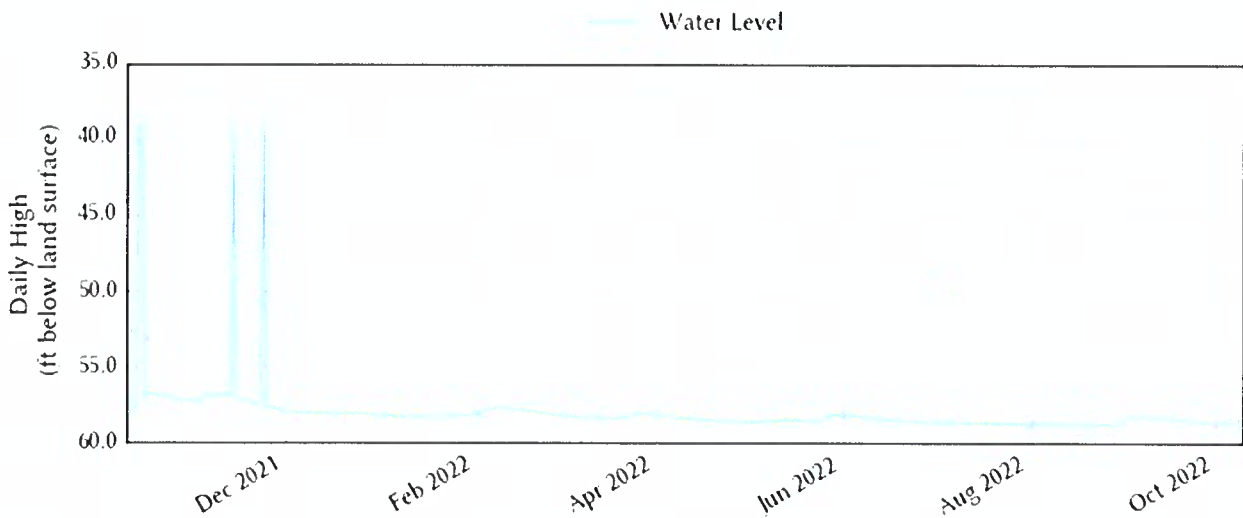
**Continuous Monitoring Well # 5803702
(Gault Site - Williamson County)
Edwards Aquifer**

Last 30 Days

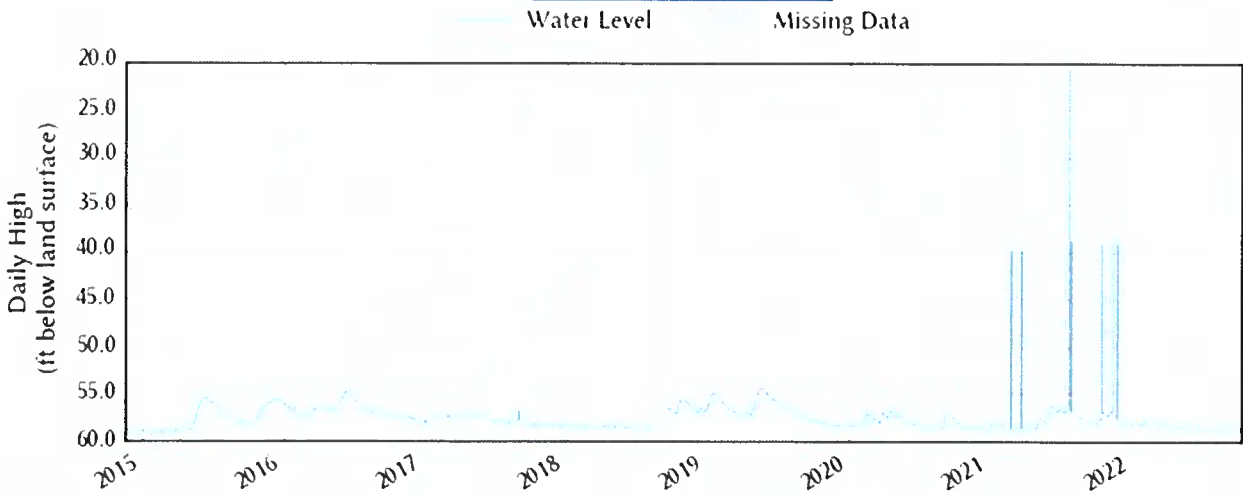
Total Depth: 110 ft



1 Year



Period Of Record

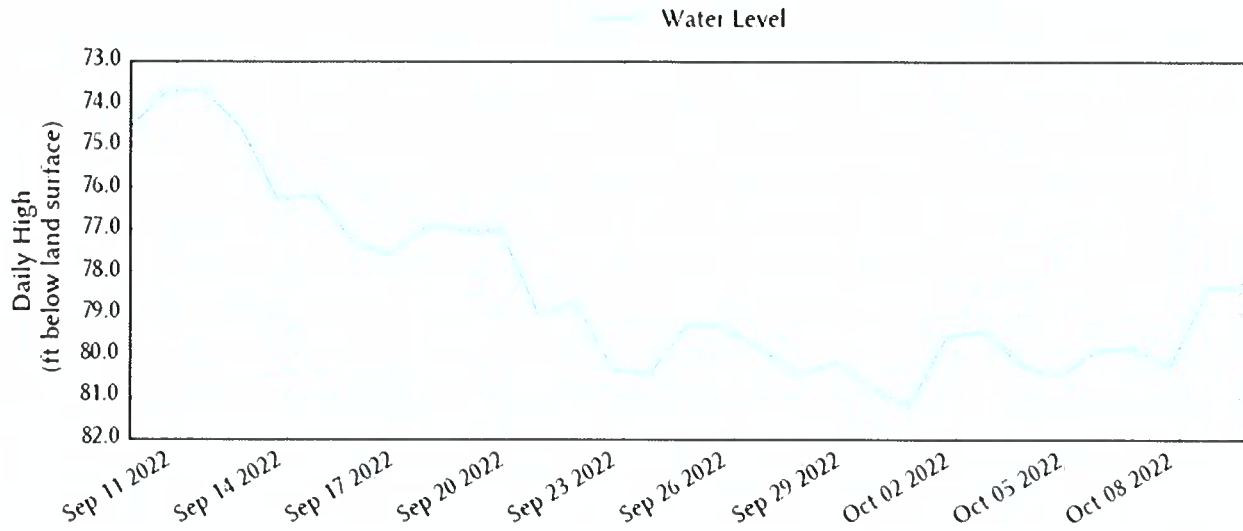


October 2022

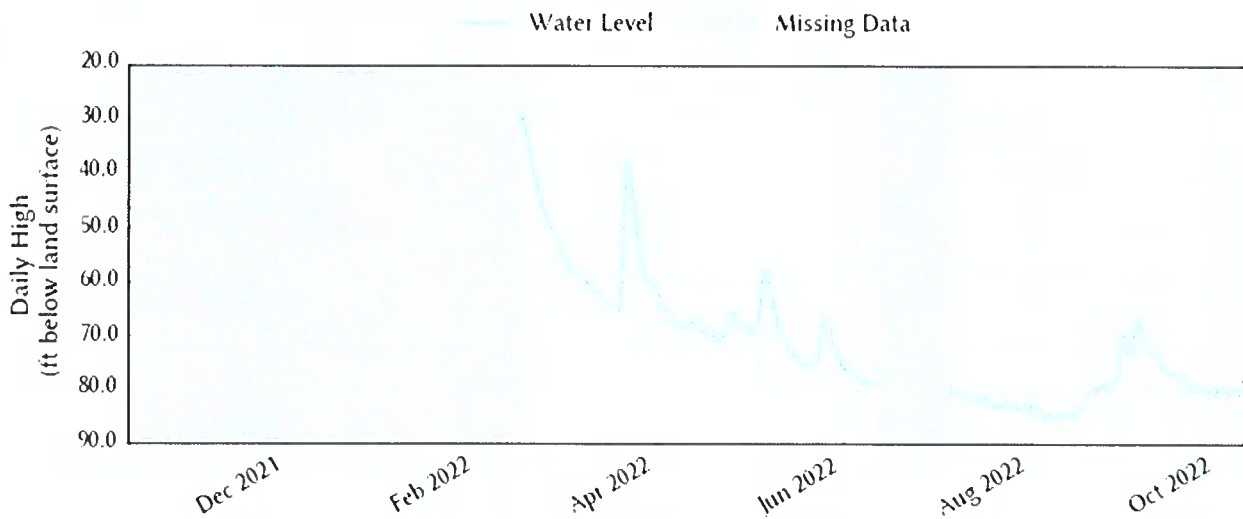
**Continuous Monitoring Well # 5804628
(Salado Cemetery)
Edwards Aquifer**

Last 30 Days

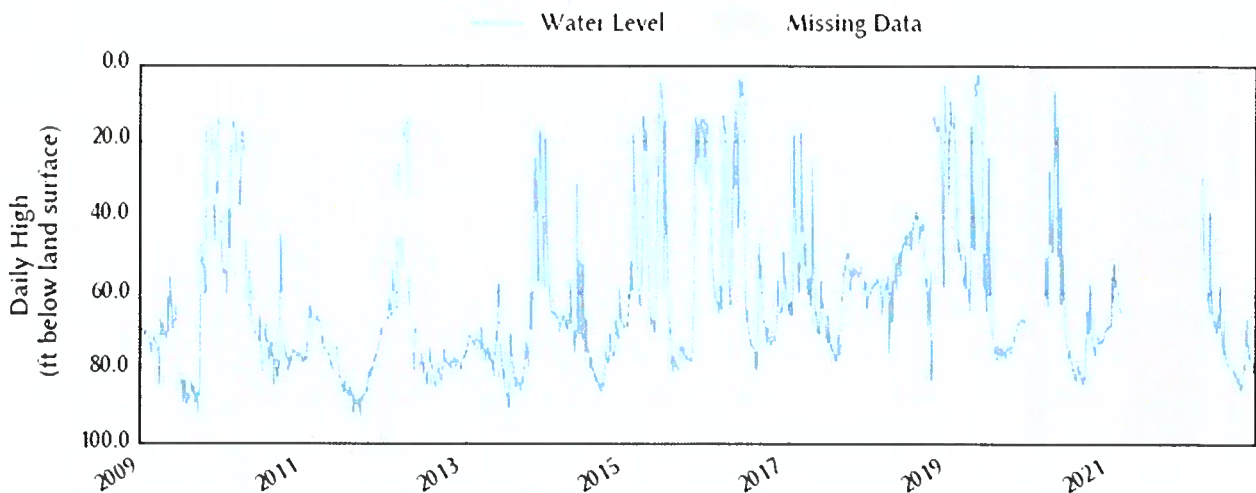
Total Depth: 129 ft



1 Year

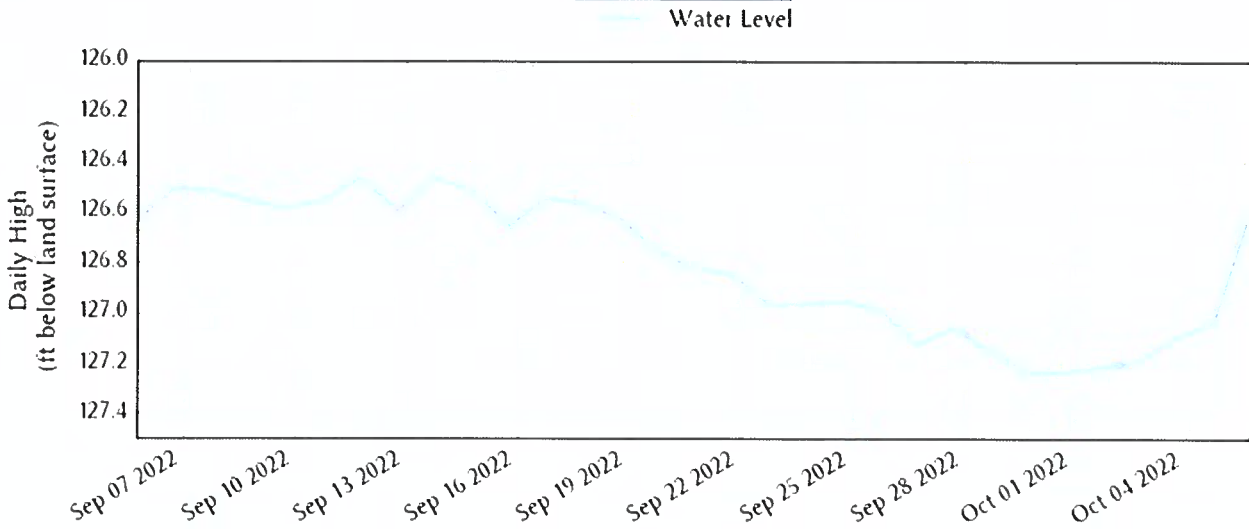


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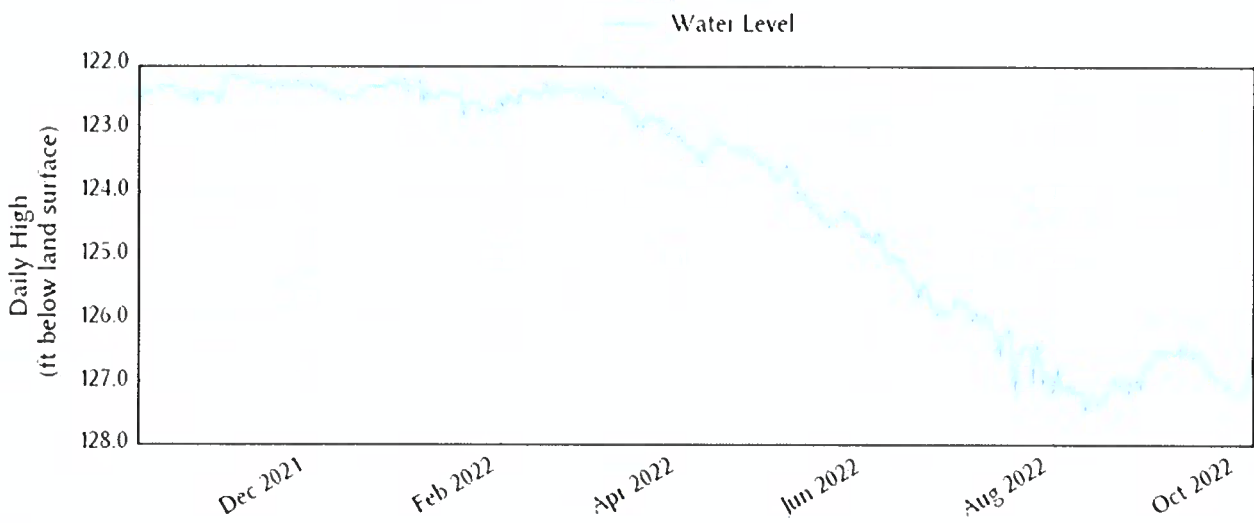


Last 30 Days

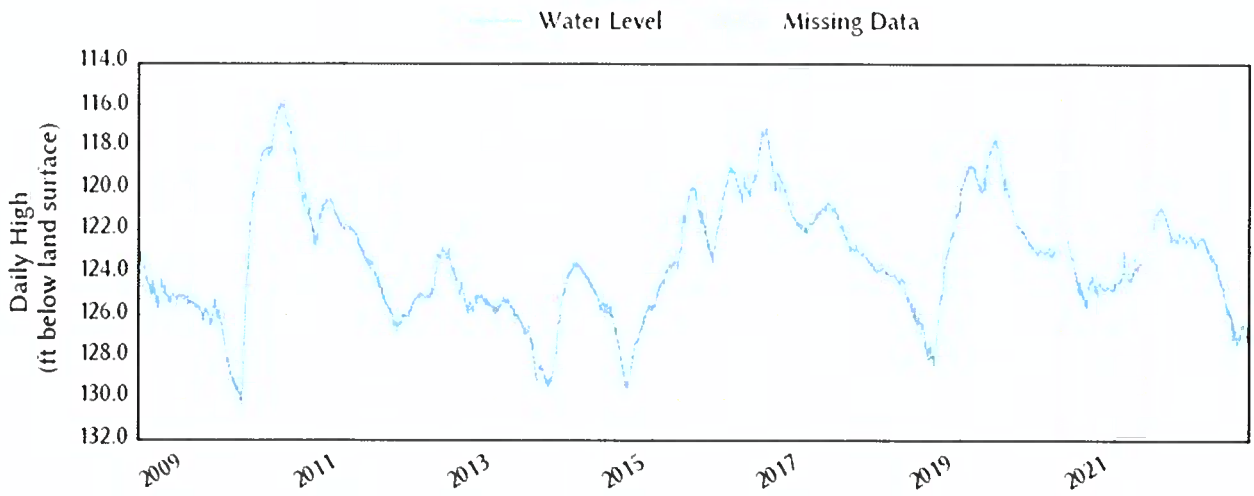
Total Depth: 170 ft



1 Year



Period Of Record

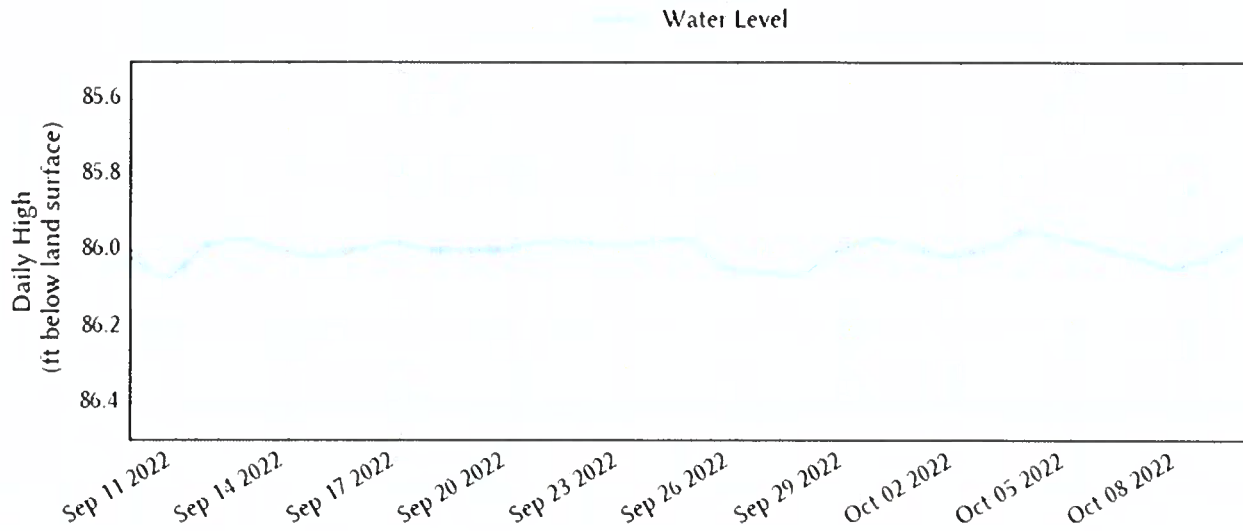


October 2022

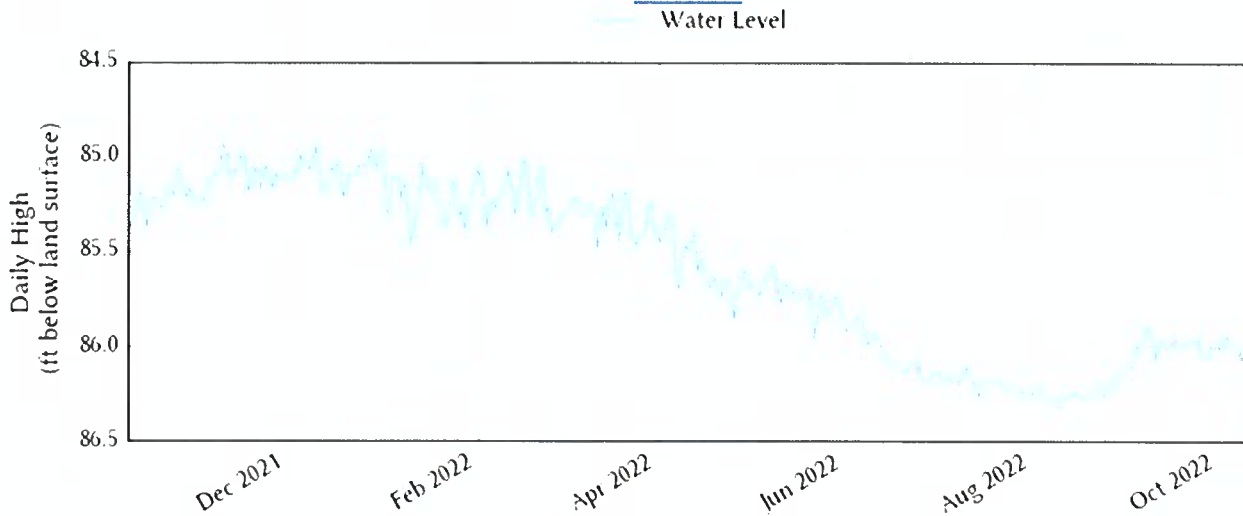
**Continuous Monitoring Well # 4058201
(Central Texas College - Ranch Rd)
Upper Trinity Aquifer**

Total Depth: 435 ft

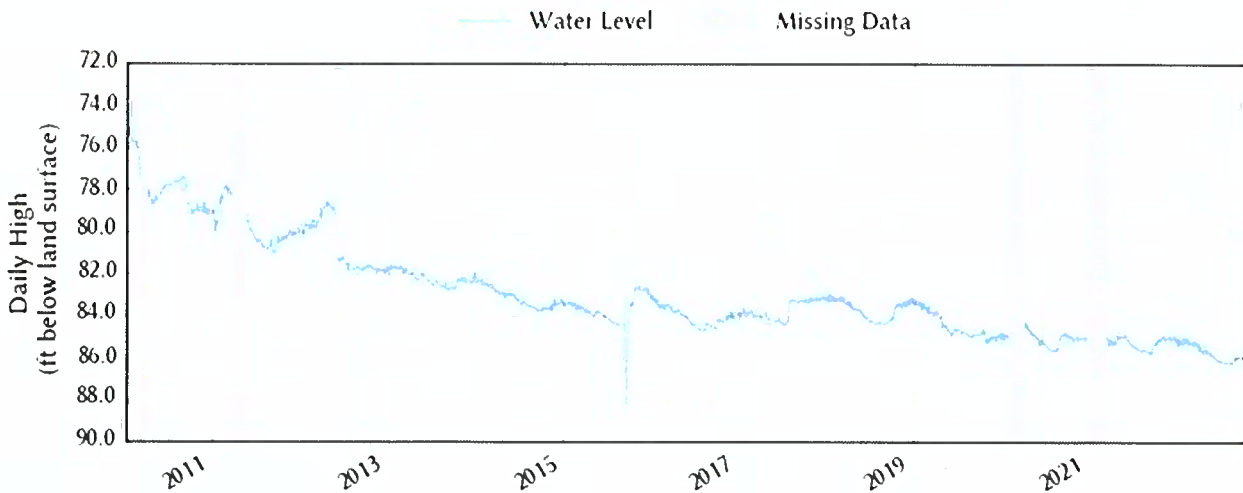
Last 30 Days



1 Year



Period Of Record

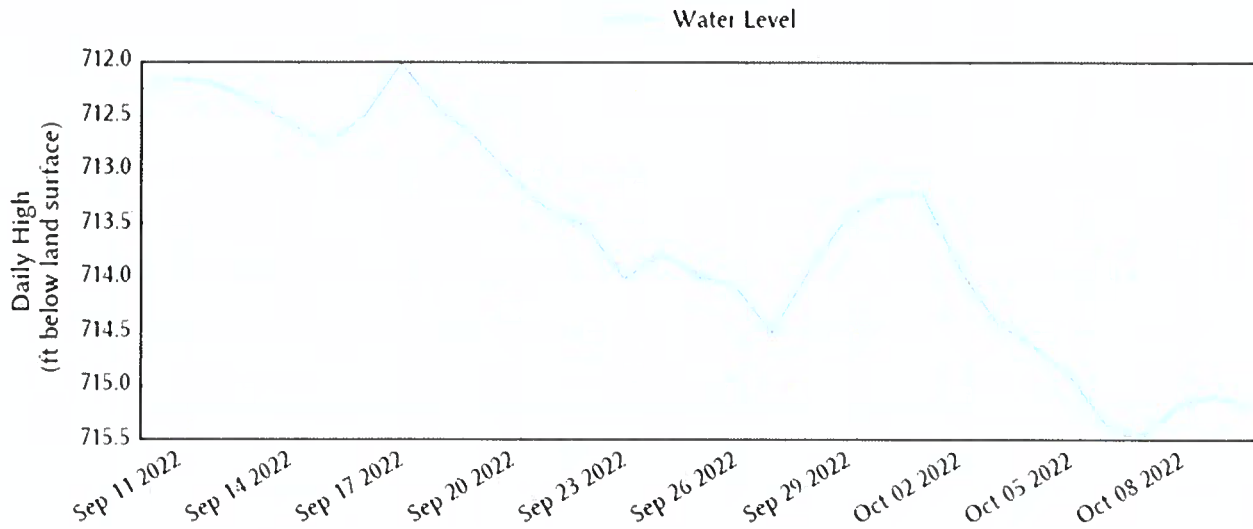


October 2022

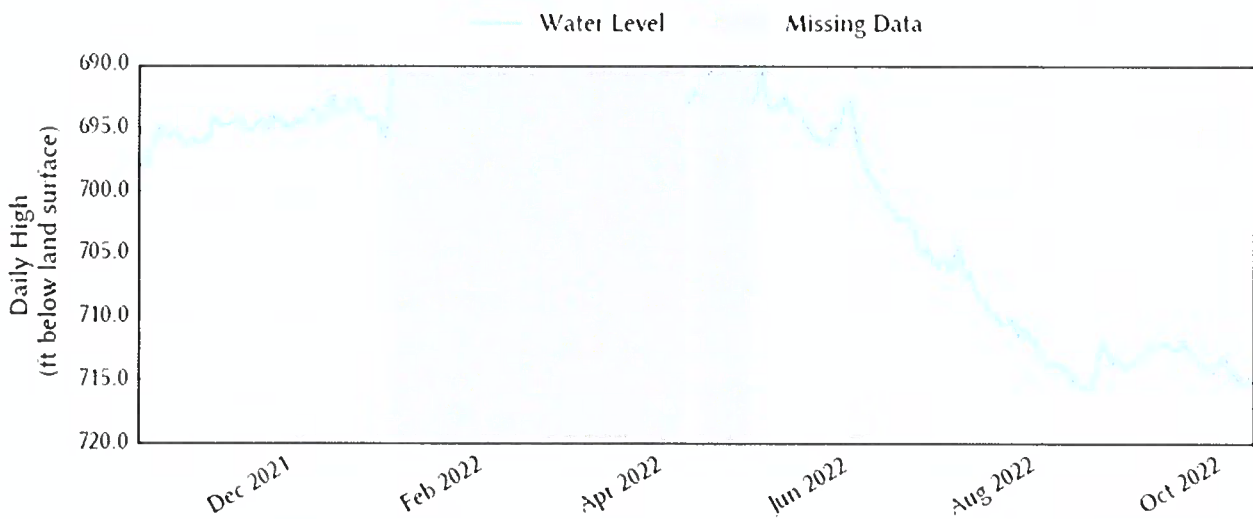
**Continuous Monitoring Well # 5803701
(Gault Site - Williamson County)
Middle Trinity Aquifer**

Total Depth: 880 ft

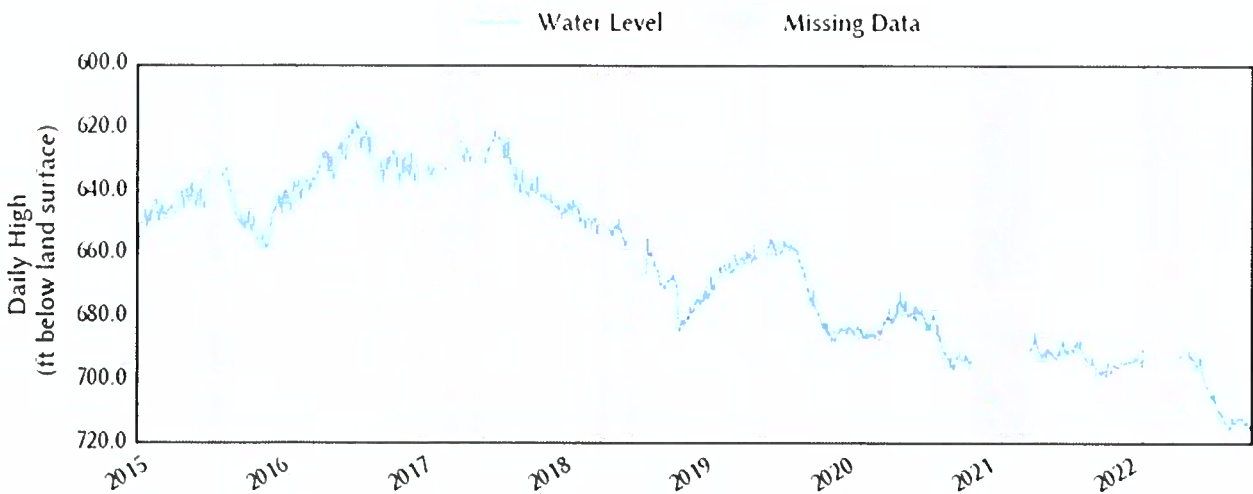
Last 30 Days



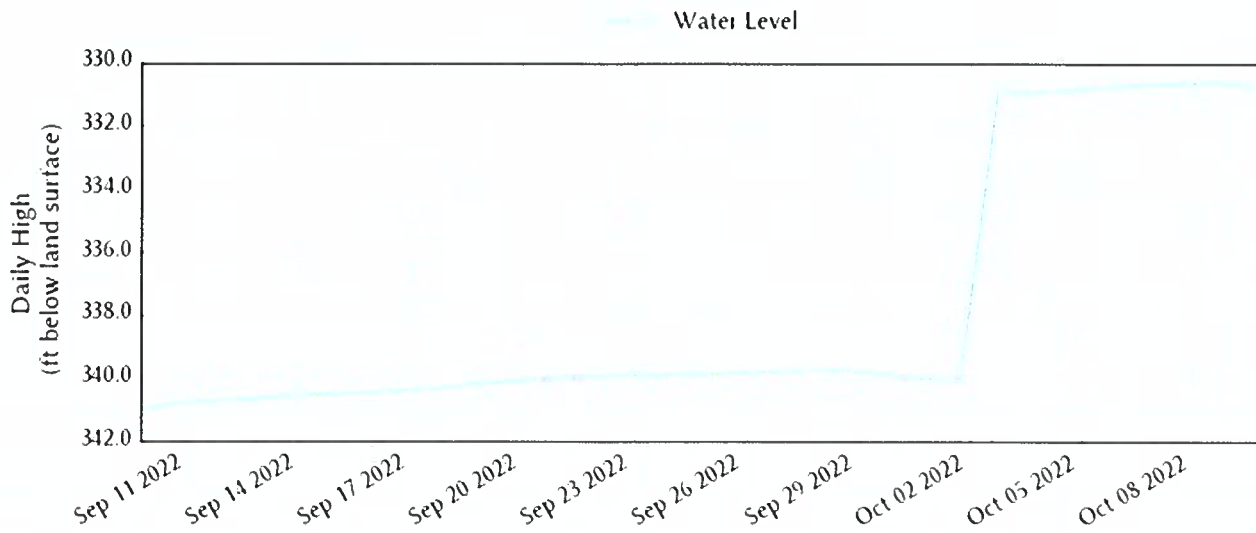
1 Year



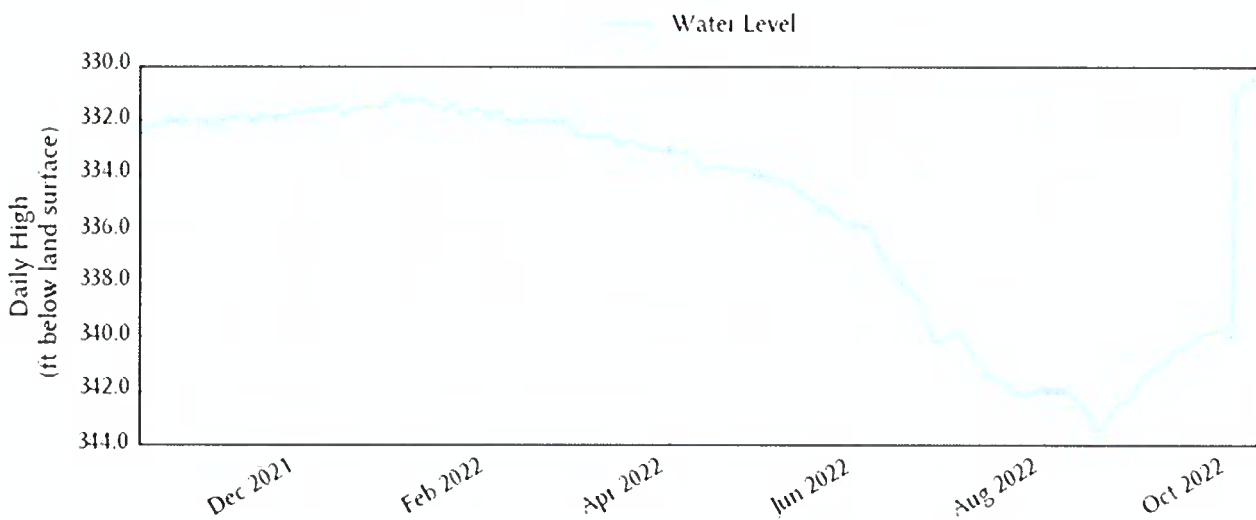
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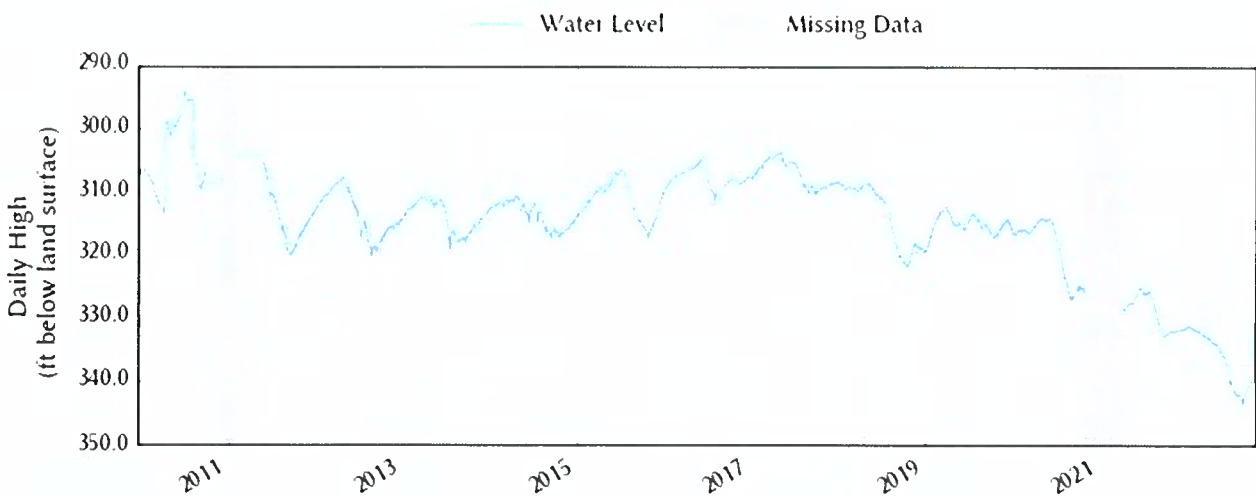
Last 30 Days



1 Year



Period Of Record

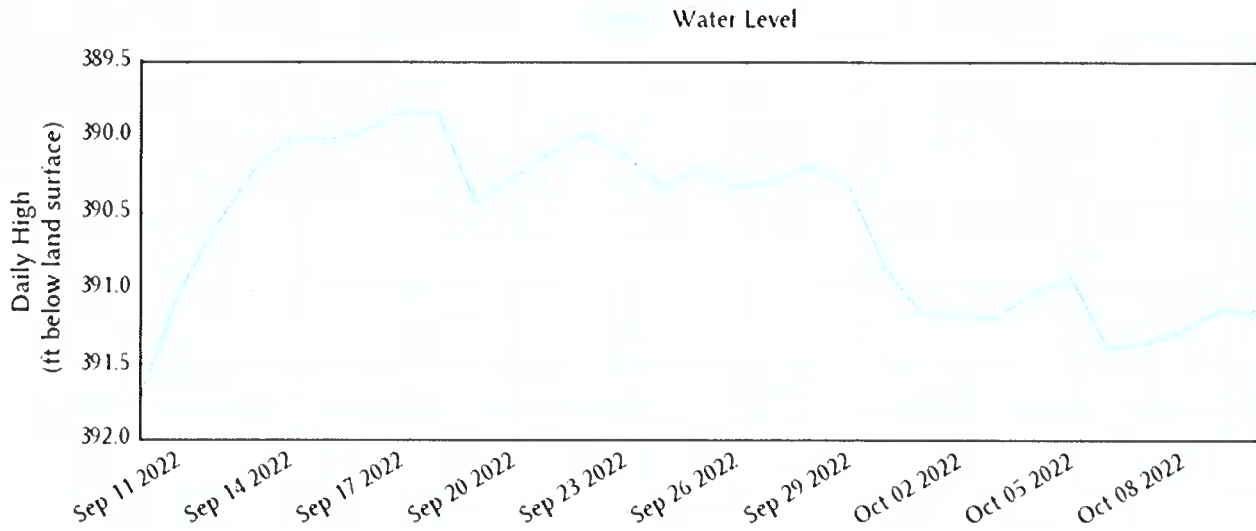


October 2022

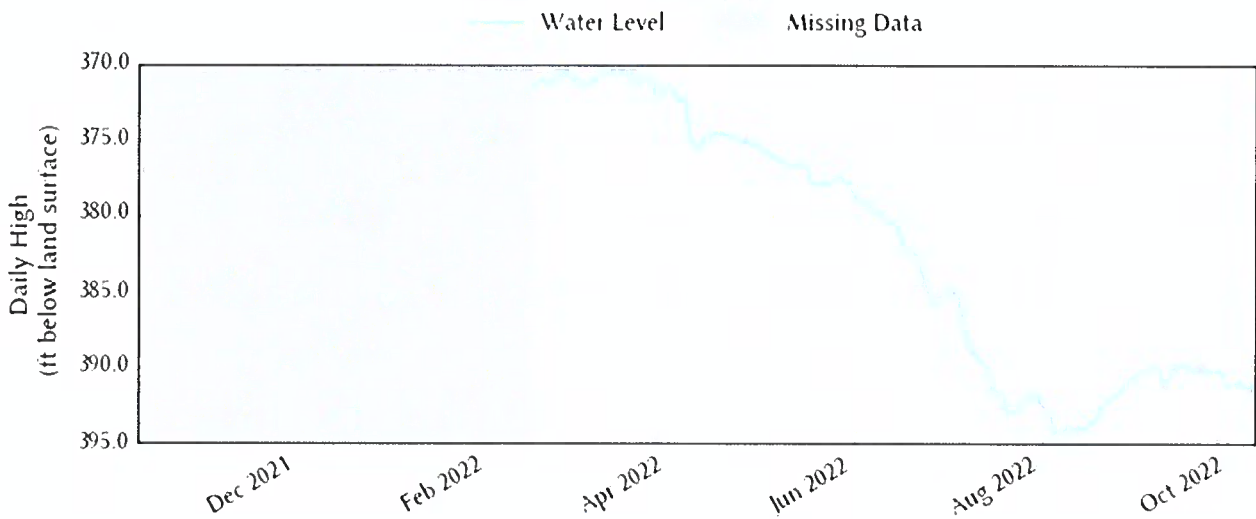
**Continuous Monitoring Well # 5802304
(Killeen - River Ridge Ranch Park Well #1)
Middle Trinity Aquifer**

Last 30 Days

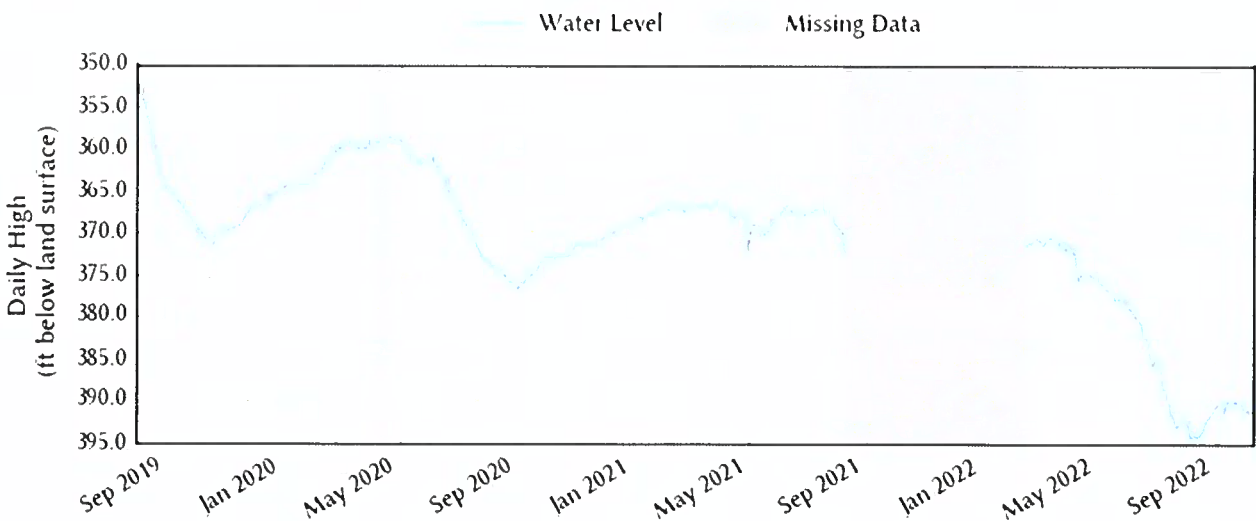
Total Depth: 467 ft



1 Year



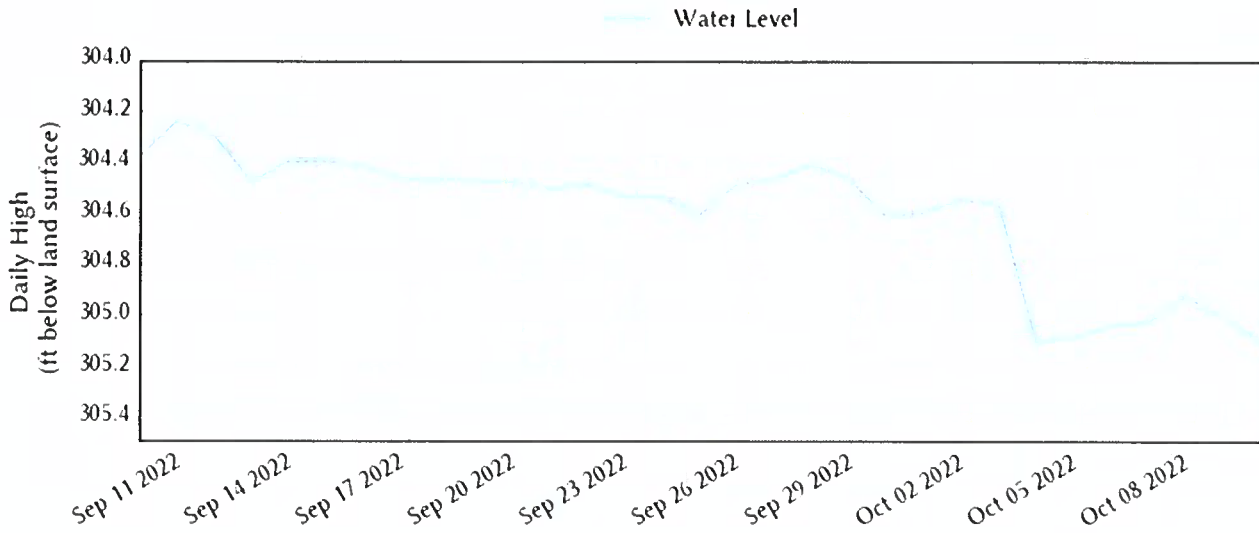
Period Of Record



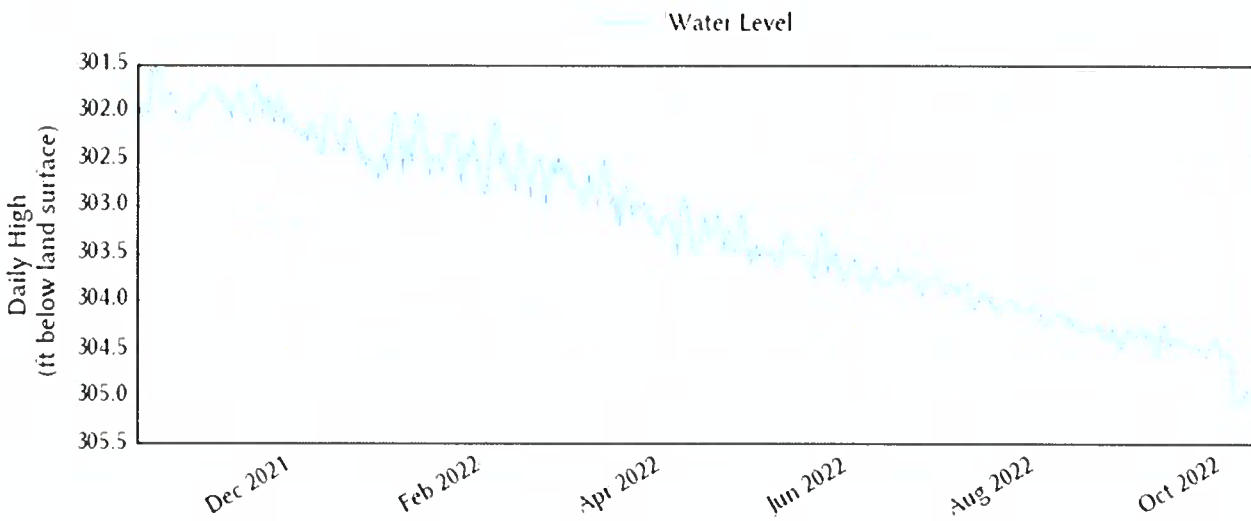
Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer

Total Depth: 629 ft

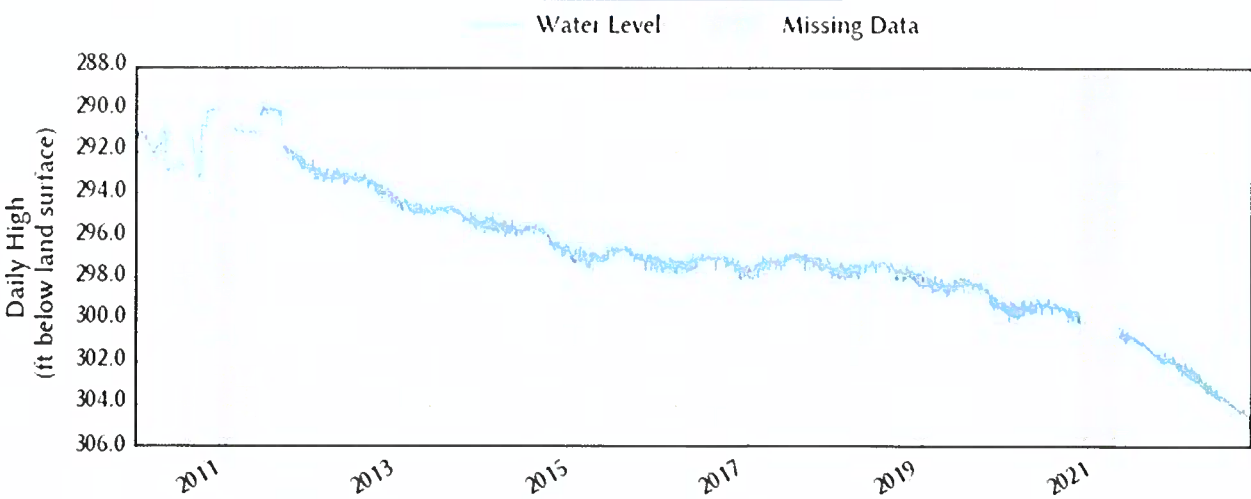
Last 30 Days



1 Year



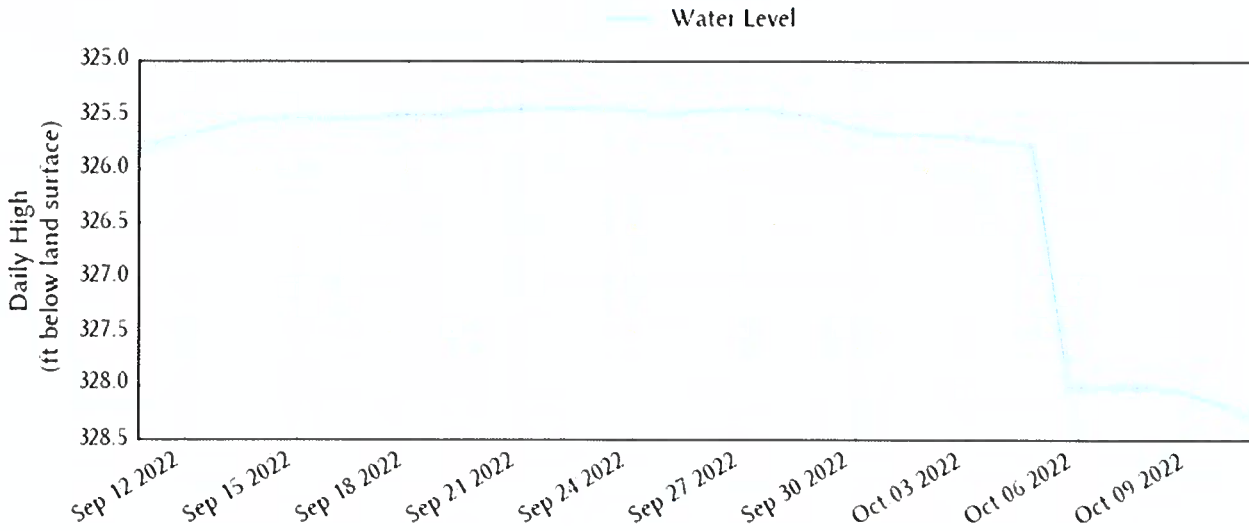
Period Of Record



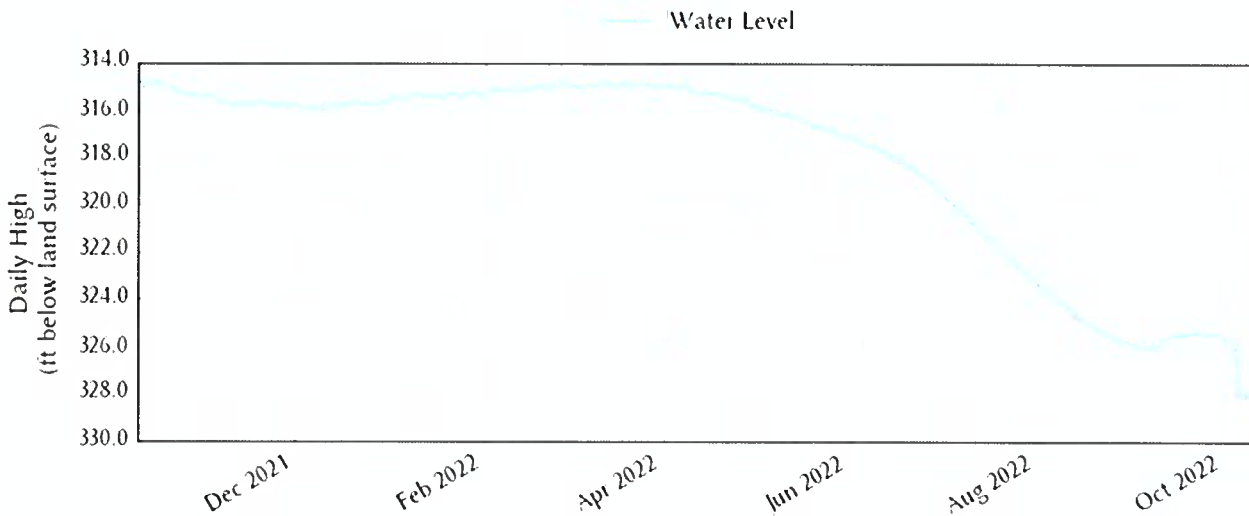
Continuous Monitoring Well # 5802303
(Killeen - River Ridge Ranch Park Well #2)
Lower Trinity Aquifer

Total Depth: 637 ft

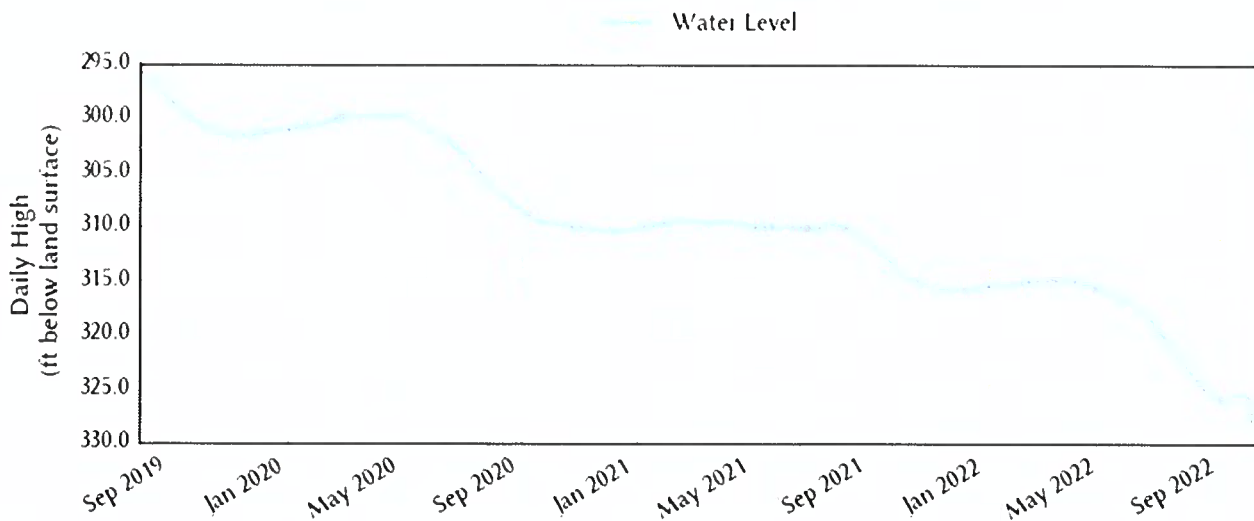
Last 30 Days



1 Year



Period Of Record

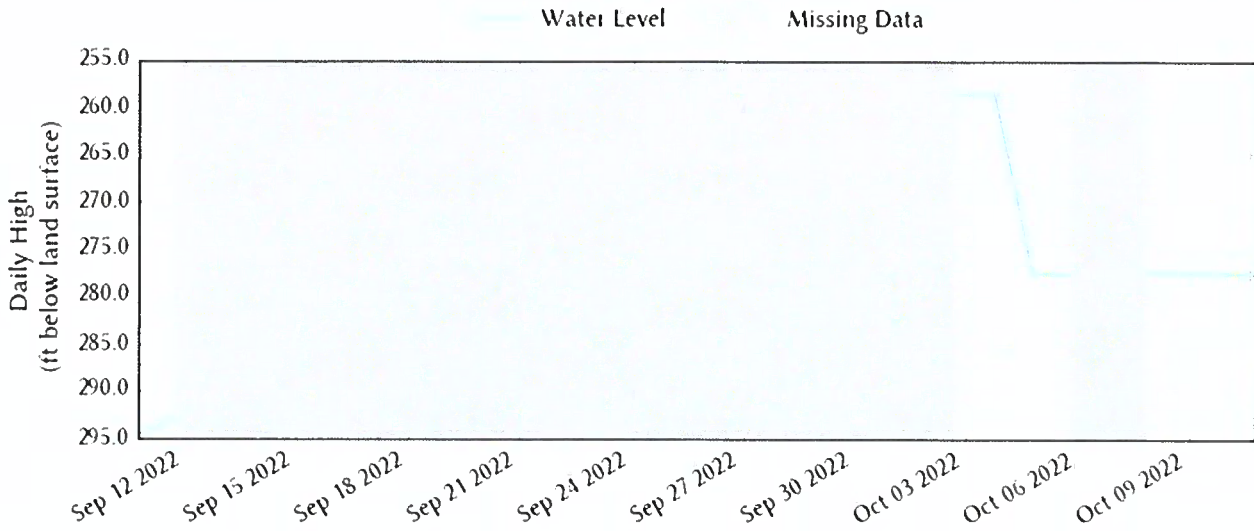


October 2022

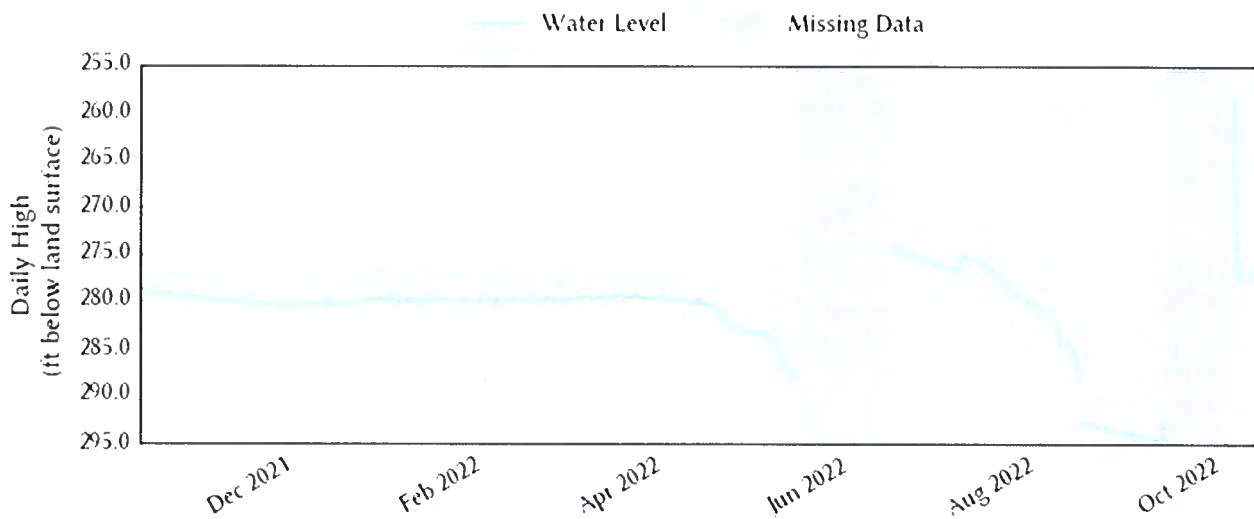
**Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer**

Last 30 Days

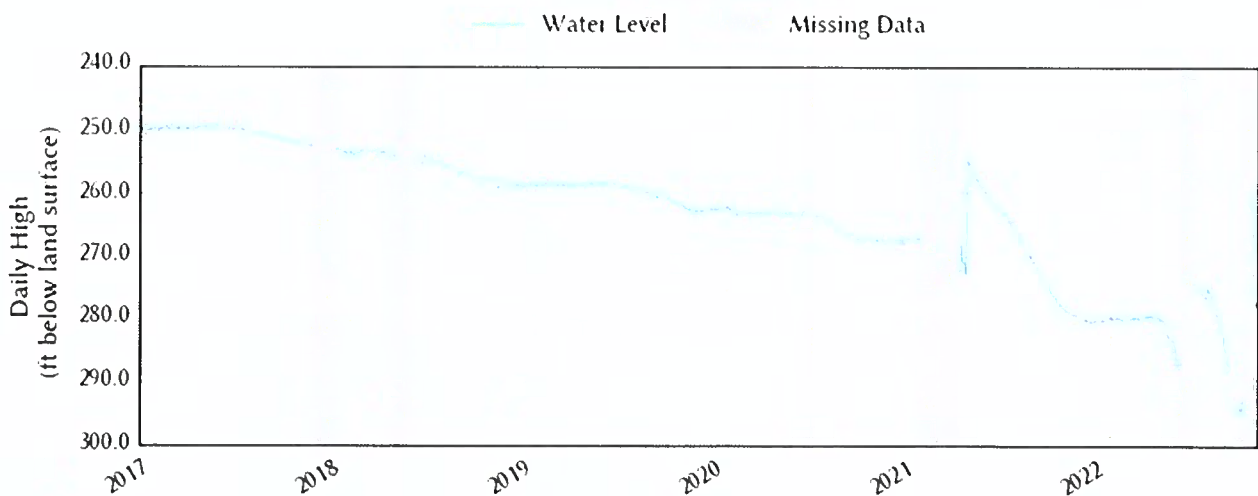
Total Depth: 1,261 ft



1 Year



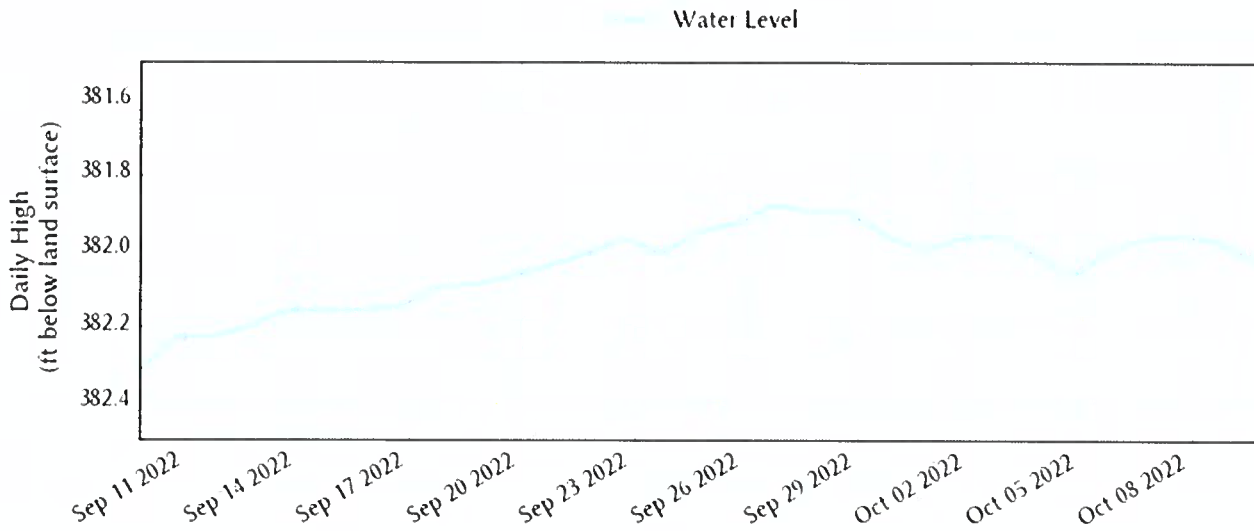
Period Of Record



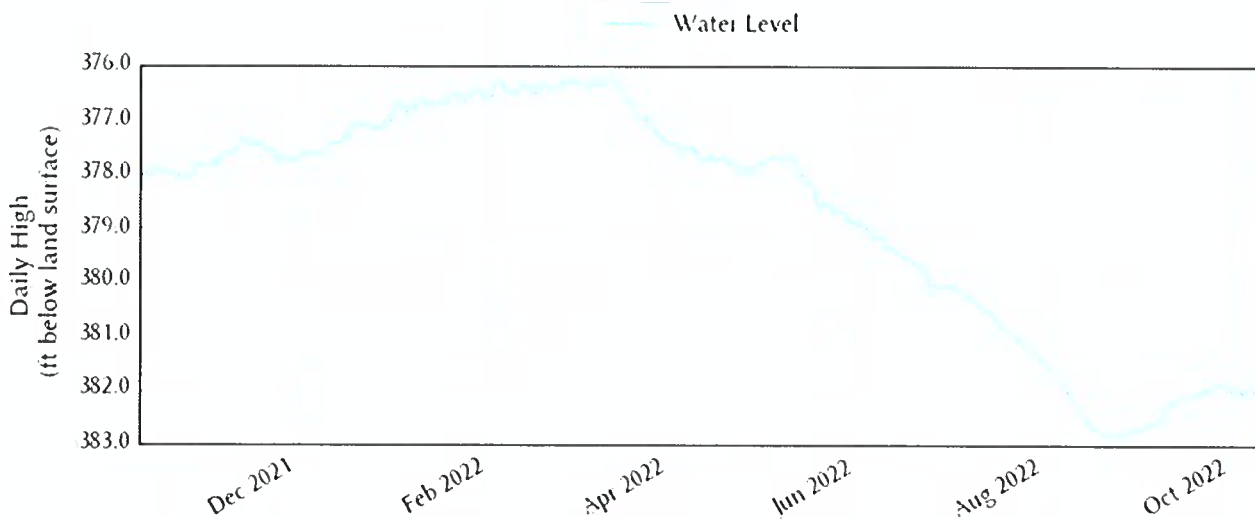
Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer

Total Depth: 2,236 ft

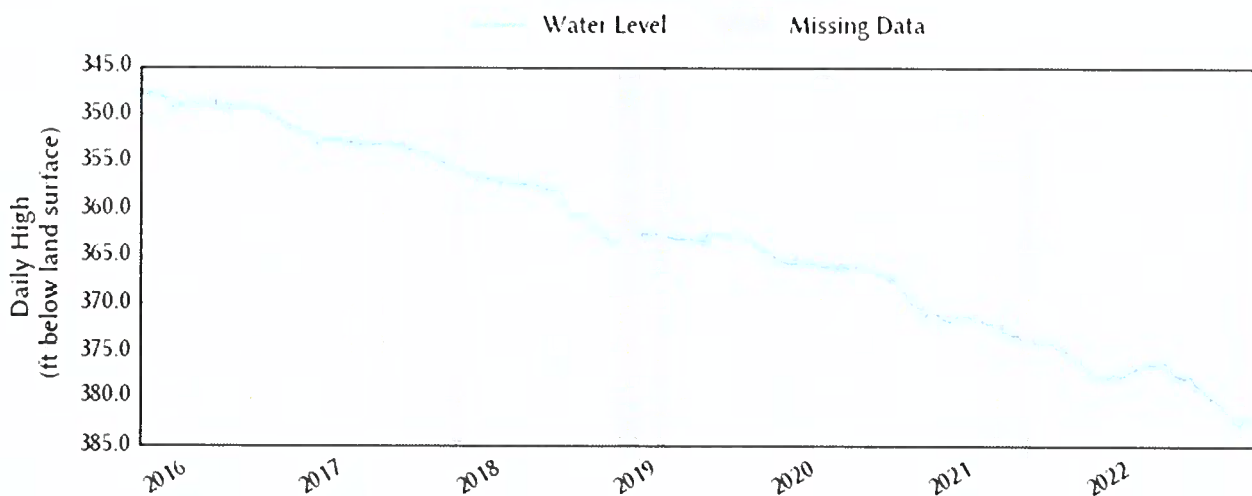
Last 30 Days



1 Year

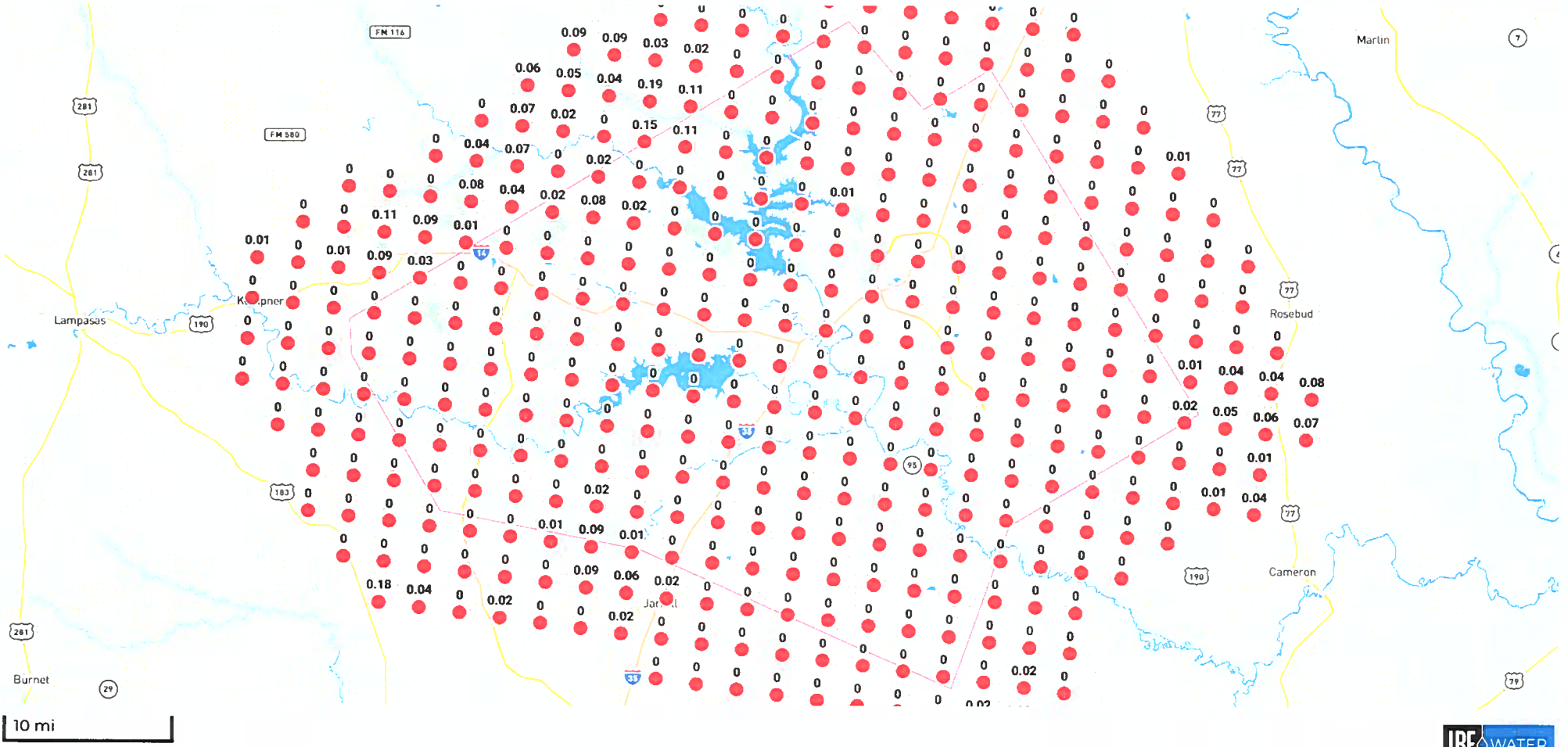


Period Of Record



CUWCD Map NOAA 30 Day Rainfall

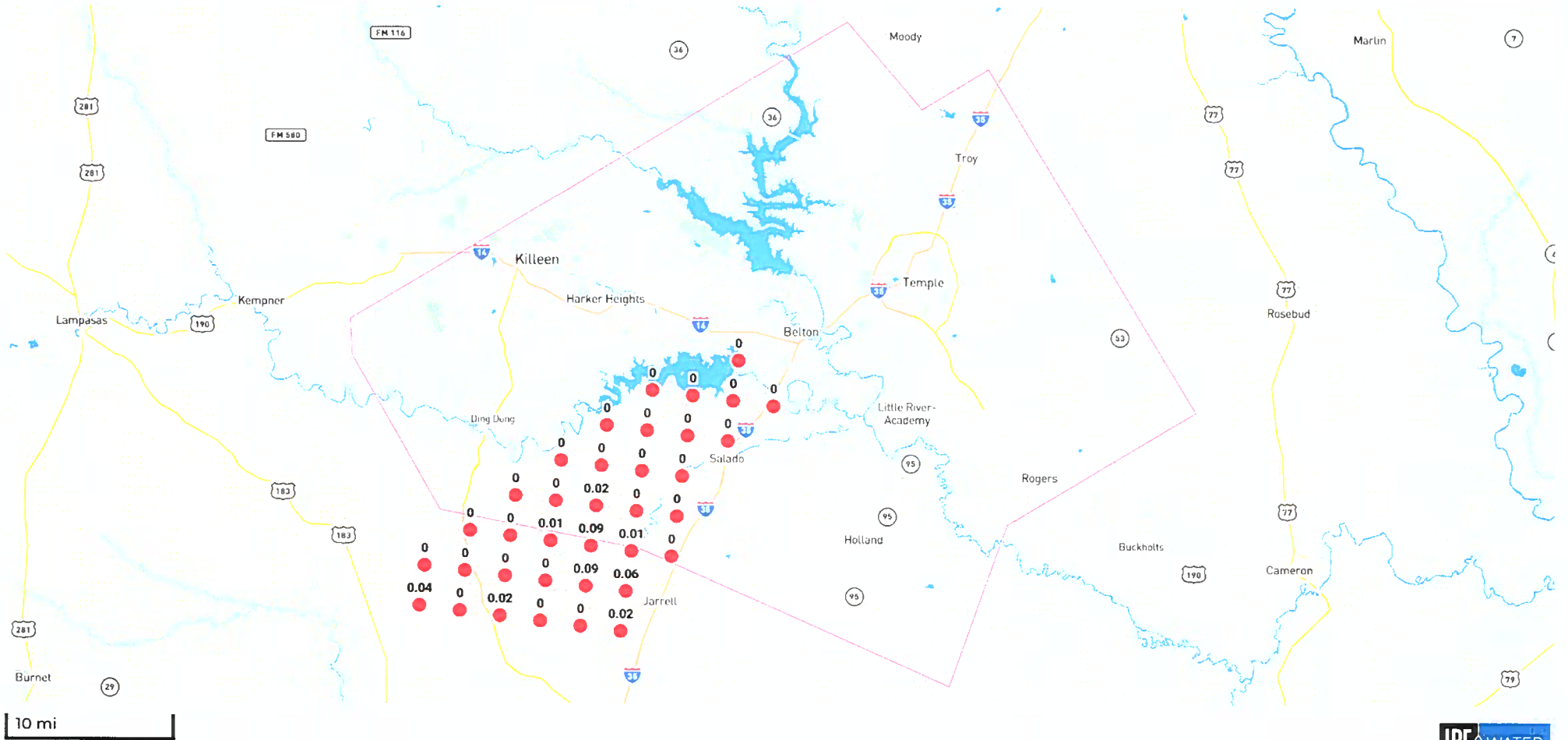
Created: October 11th 2022, 11:19am



CUWCD Map

NOAA 30 Day Rainfall - Edwards BFZ

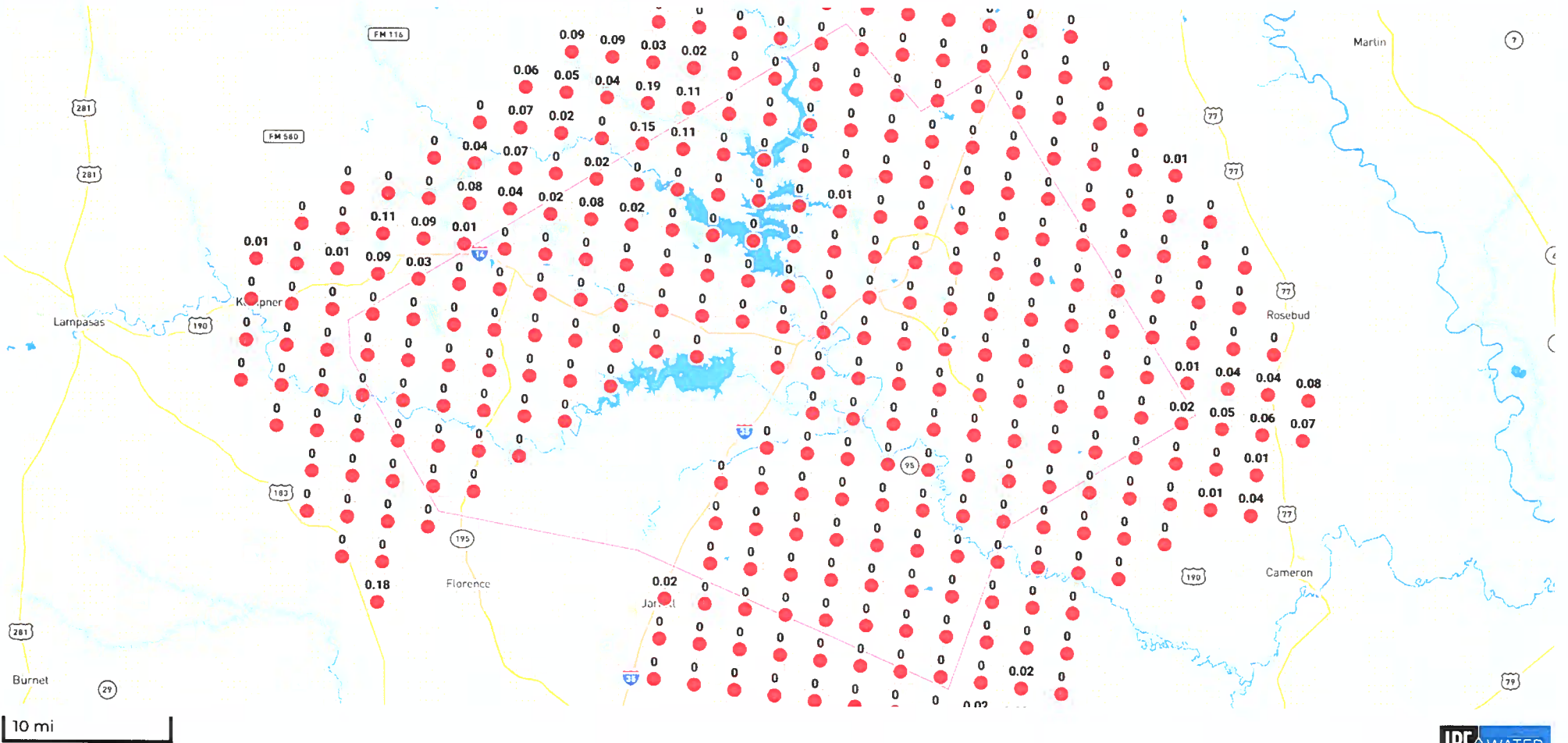
Created: October 11th 2022, 11:21am



CUWCD Map

NOAA 30 Day Rainfall - Trinity

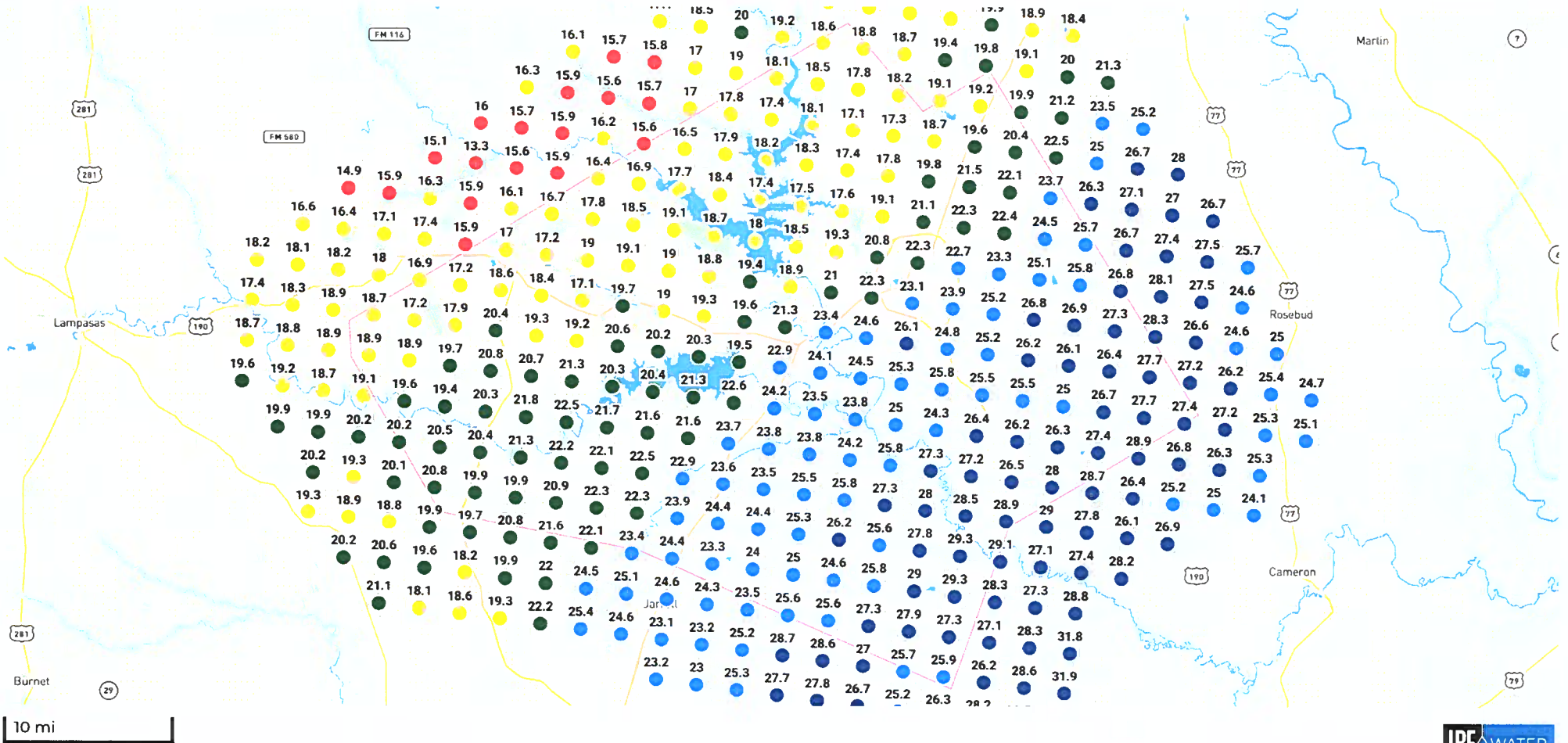
Created: October 11th 2022, 11:20am



CUWCD Map

NOAA 365 Day Rainfall

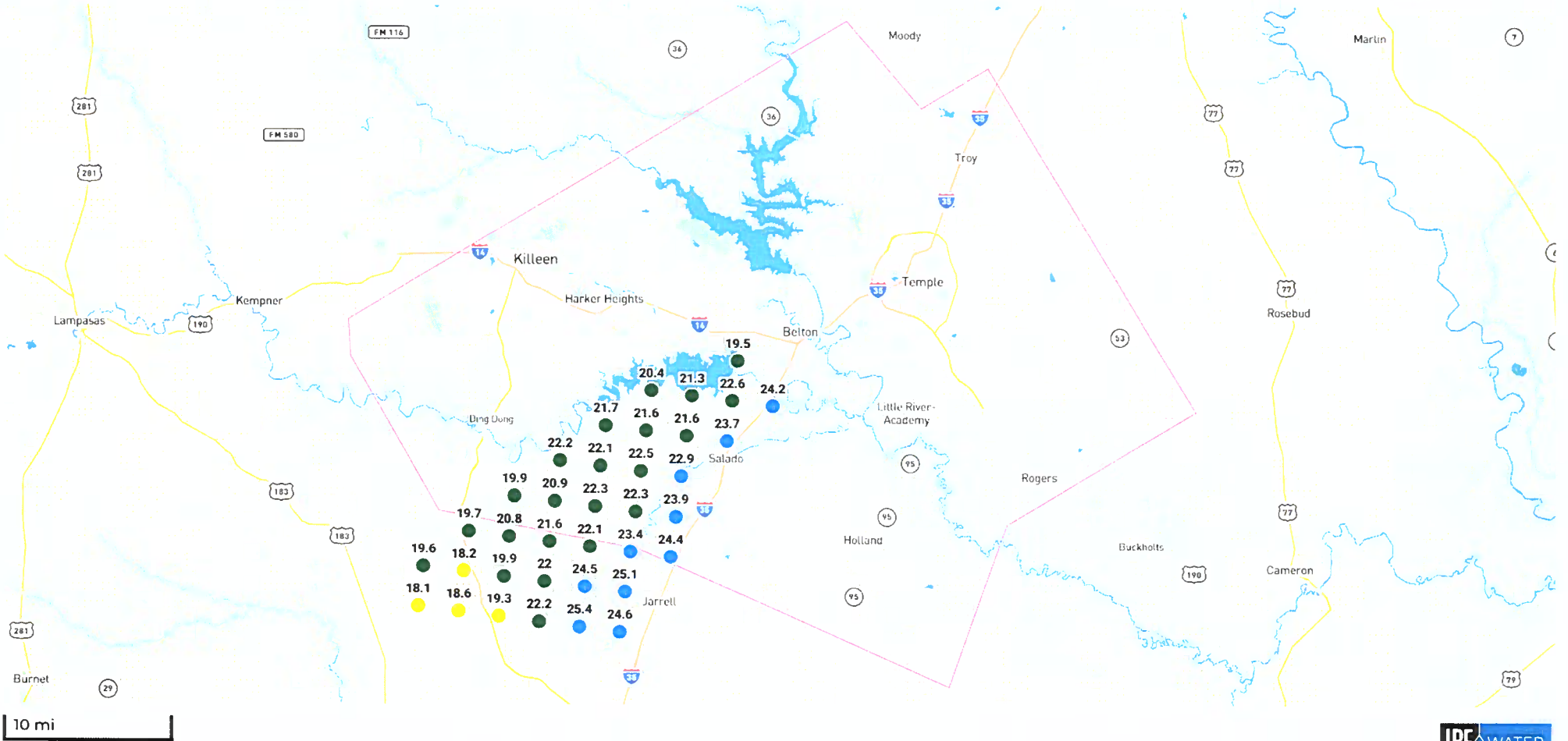
Created: October 11th 2022, 11:18am



CUWCD Map

NOAA 365 Day Rainfall - Edwards BFZ

Created: October 11th 2022, 11:20am

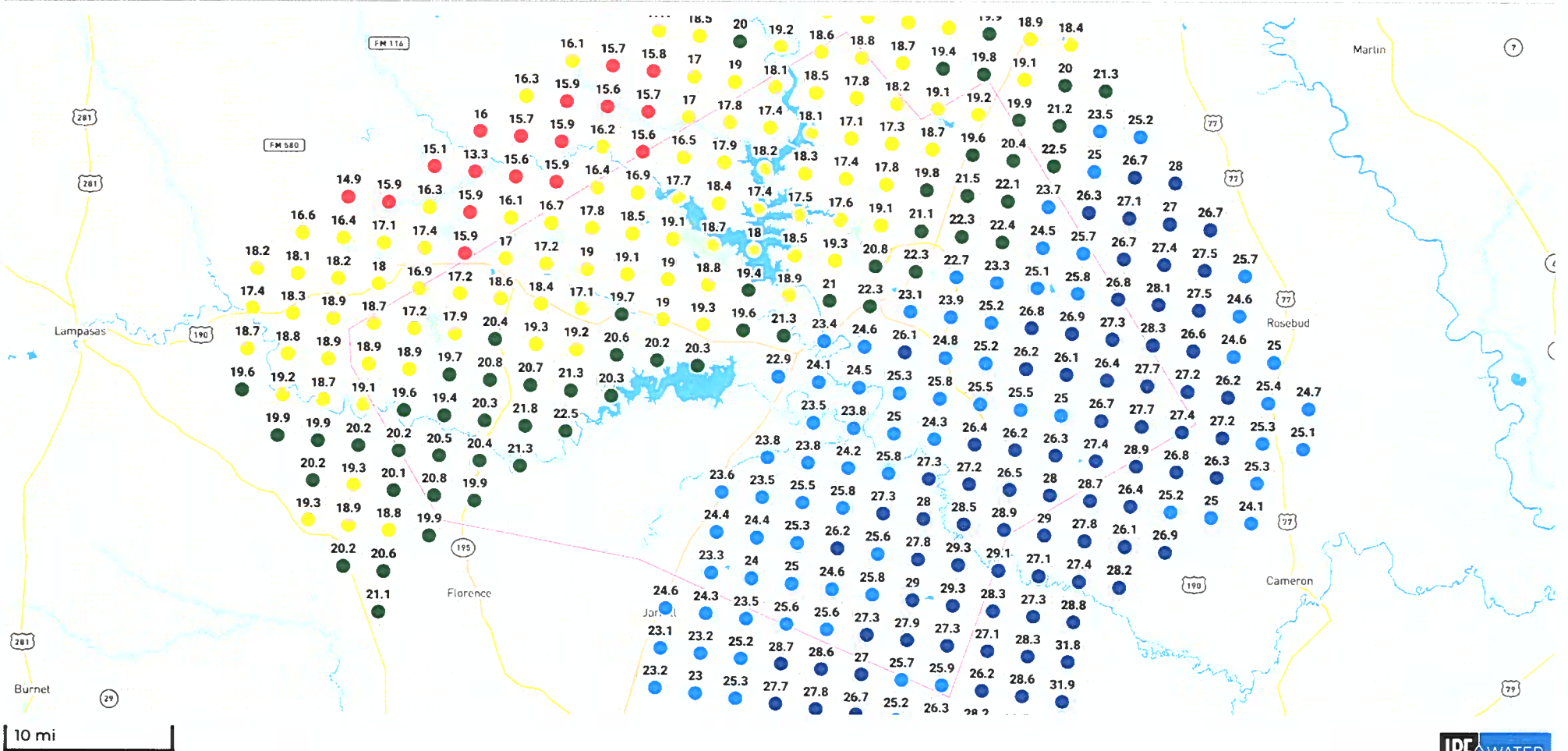


10 mi

CUWCD Map

NOAA 365 Day Rainfall - Trinity

Created: October 11th 2022, 11:20am



Registered Wells - September 2022



<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-22-070P	Kirkes	11919 South Fort Hood St	Killeen	600 ft	Mid Trinity	Domestic	Proposed

Well Registration Totals - September 2022

Year	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002 - 2021	4446	1134	106	41	70	26	121	5944
2022 - Jan	0	5	0	0	0	0	0	5
Feb	2	10	0	0	3	0	0	15
Mar	0	9	0	0	0	0	0	9
April	2	3	0	1	0	0	0	6
May	8	6	0	0	0	0	0	14
June	5	0	0	0	0	0	0	5
July	2	3	0	0	0	0	0	5
Aug	2	11	0	0	0	0	0	13
Sep	0	1	0	0	0	0	0	1
Oct								0
Nov								0
Dec								0
Total 2022	21	48	0	1	3	0	0	73
Grand Totals	4467	1182	106	42	73	26	121	6017