



Clearwater Underground Water Conservation District

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www.cuwcd.org

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Clearwater Staff Reports

May 13, 2020

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

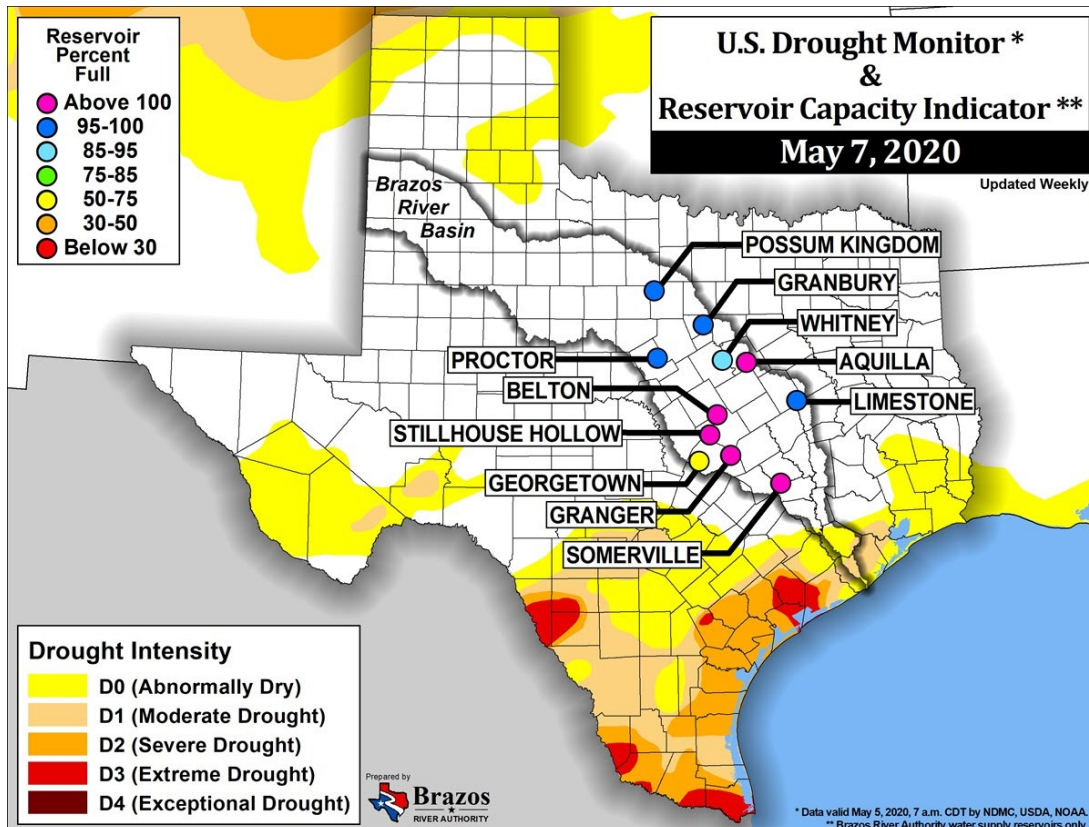


30.40 PDI
92.12 %

Precipitation Deficit Index (PDI)

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

AS OF 05/07/2020



Edwards BFZ Aquifer

Initiation and Termination of Drought Stages

Initiation of Stages: The Precipitation Deficit Index (PDI), the daily maximum spring discharge, and average spring discharge values shall be monitored and presented to the District Board at the monthly Board meeting. Drought stages shall be triggered when either the PDI or the average spring discharge measured via stream flow gauges in Salado Creek fall below the trigger level for the periods described below:

***PDI:** Monitored daily on a running-year basis over a defined area consisting generally of the area of the Edwards aquifer and contributing areas in Bell and portions of Williamson Counties and which is based on NEXRAD rainfall data provided by the National Oceanic and Atmospheric Administration. The PDI trigger condition must be exceeded for a period of 28 consecutive days.*

***Spring Discharge:** Monitored daily with the daily maximum discharge values averaged over a period of five consecutive days on a running five day basis.*

Termination of Stages: Drought stage in effect shall be reduced or terminated when both the PDI and the average spring discharge values are greater than the trigger conditions of the drought stage in effect for t

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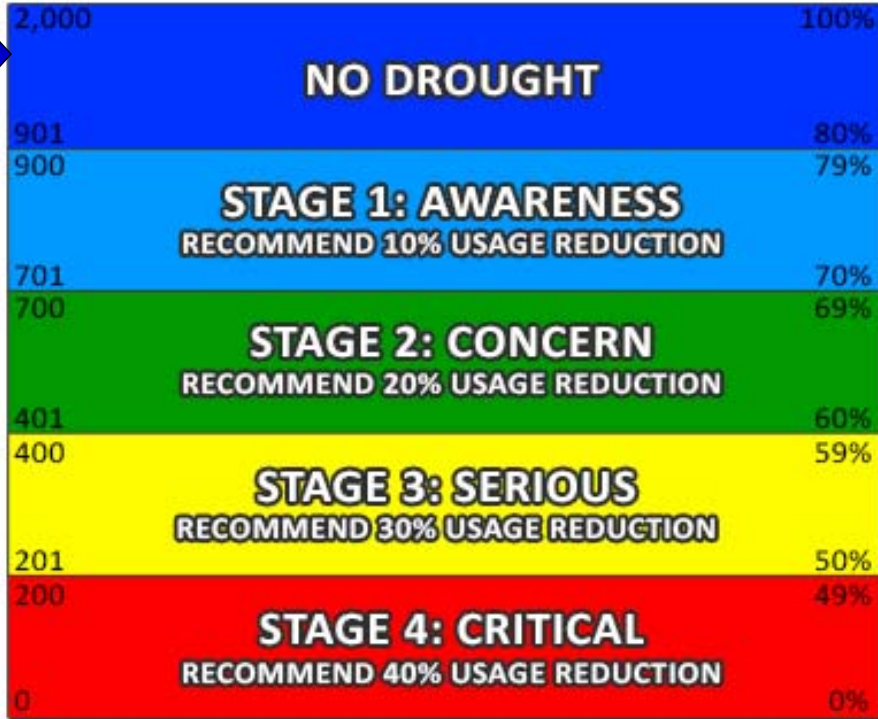
***Spring Discharge:** Monitored daily with the daily maximum discharge values averaged over a period of seven consecutive days on a running seven day basis.*

Edwards BFZ Aquifer—Drought Status Report

NO DROUGHT

1406.68 ac-ft
(month)
23.64 cfs

Salado Creek
Spring Discharge



28.07 PDI
86.99 %

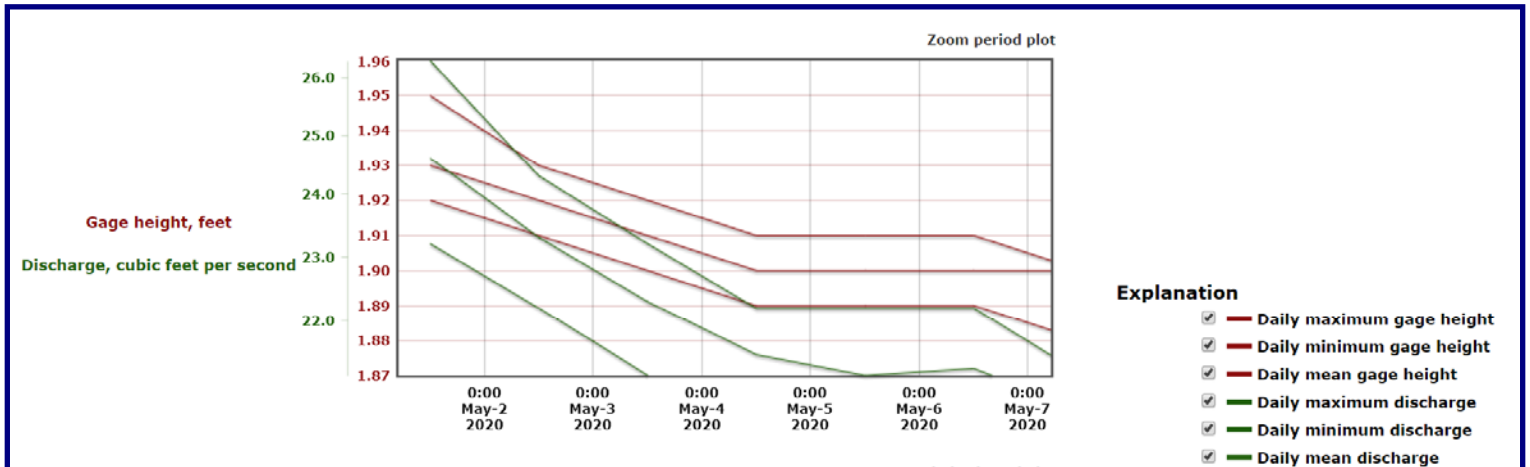
Precipitation Deficit Index (PDI)

AS OF 5/07/2020

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

USGS 08104300 Salado Ck at Salado, TX

Gage height, feet Discharge, cubic feet per second



Edwards BFZ Aquifer

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Education Outreach Highlights 5/13/20

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).

- All educational events have been canceled due to COVID-19.

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).

- Continue working with HALFF to make improvements to the new platform and correct flaws as needed.
- Most of our permitted users are entering their monthly water usage online now.

3. Increase the District Communication strategically by expanding utilization of a media sources.

Goals and objectives in the Management Plan (A:1, A:2, A:3,G:1,G:2, pages 22-23).

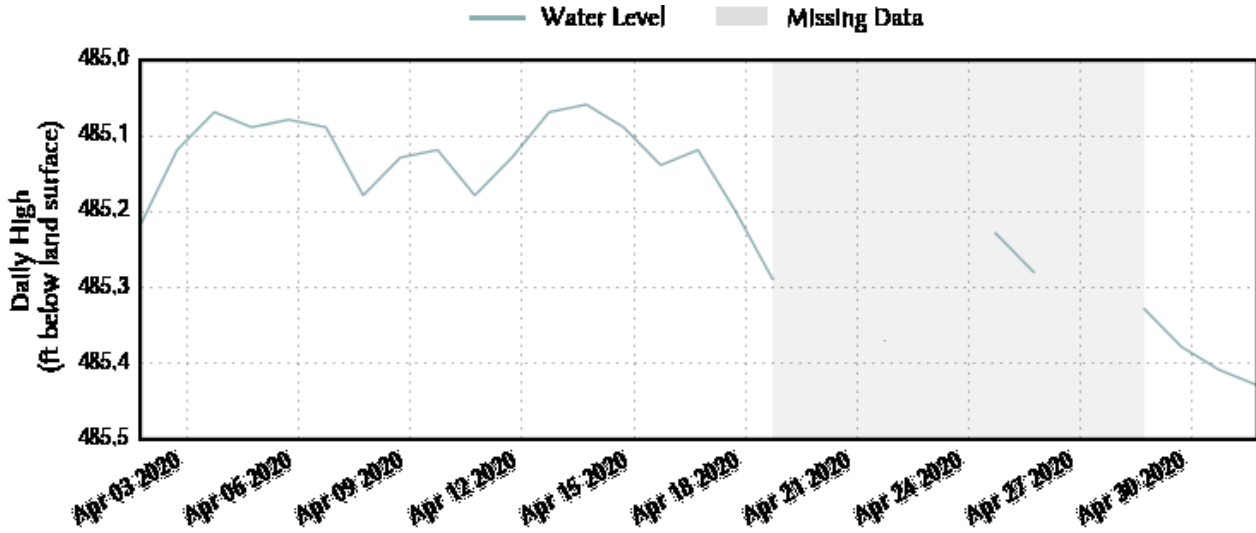
- Continually adding more information to the website to make it a valuable resource to Bell County along with utilizing more social media.

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).

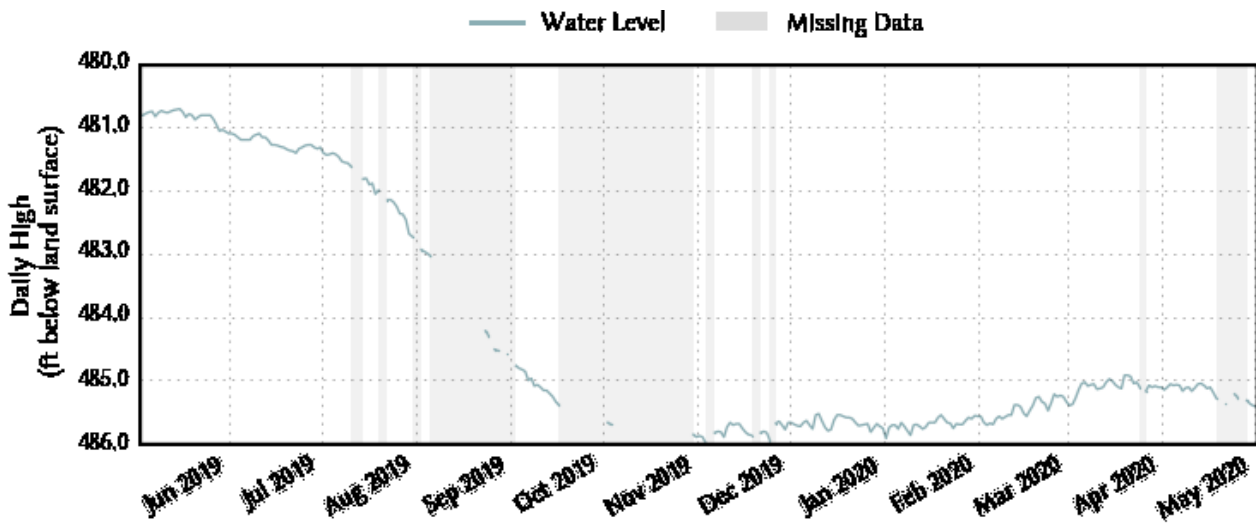
- The 2019 Annual Report was approved at the March meeting.

Continuous Monitoring Well # 4054701
(Temple - Cearley Well)
Lower Trinity Aquifer

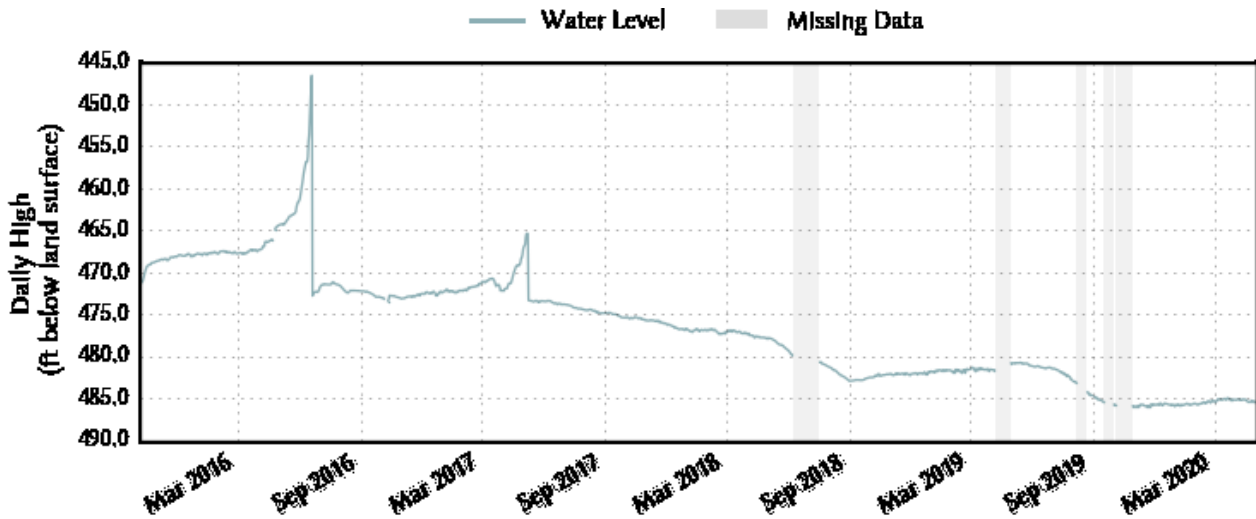
Last 30 Days



1 Year

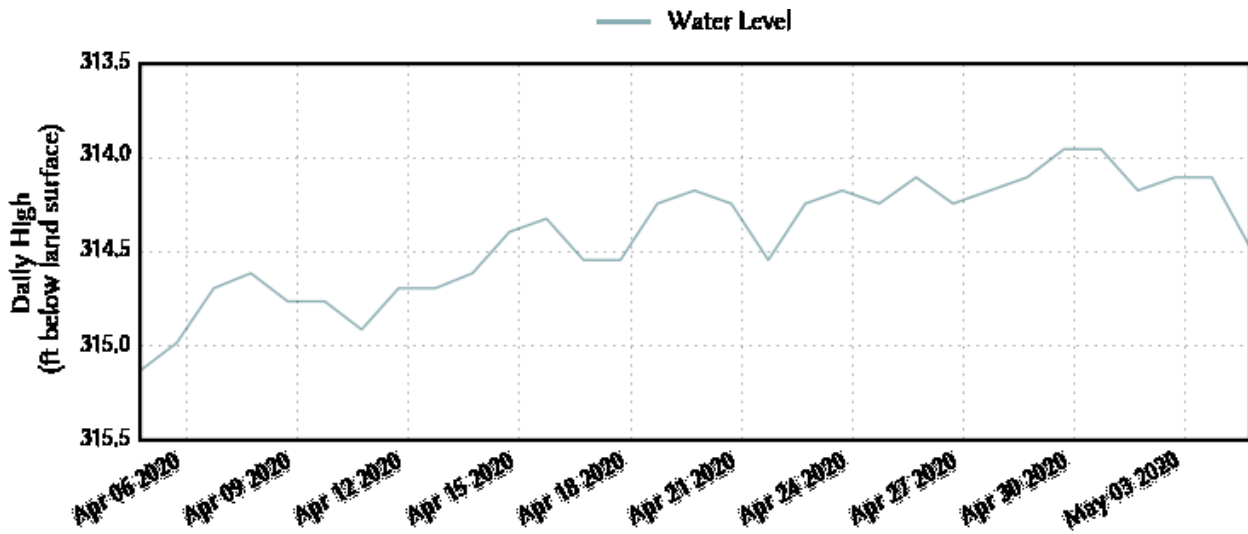


Period Of Record

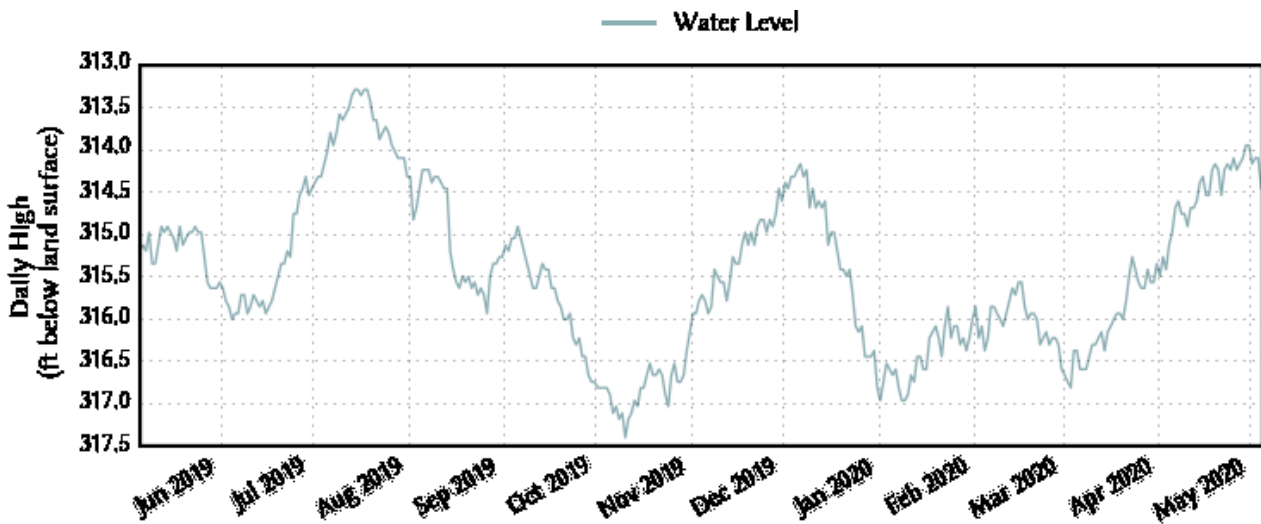


Continuous Monitoring Well # 4057601
(Copperas Cove)
Middle Trinity Aquifer

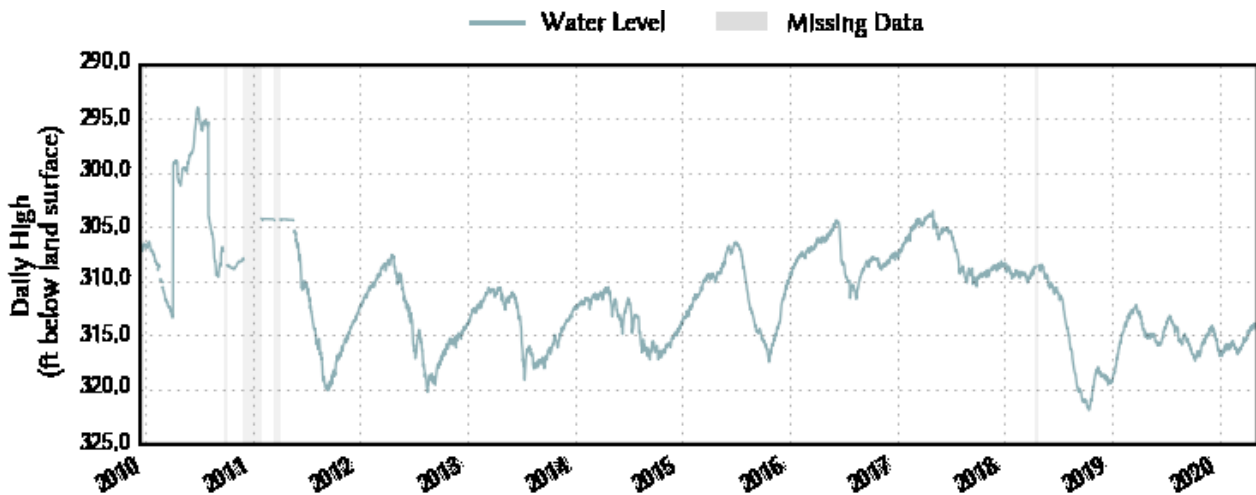
Last 30 Days



1 Year

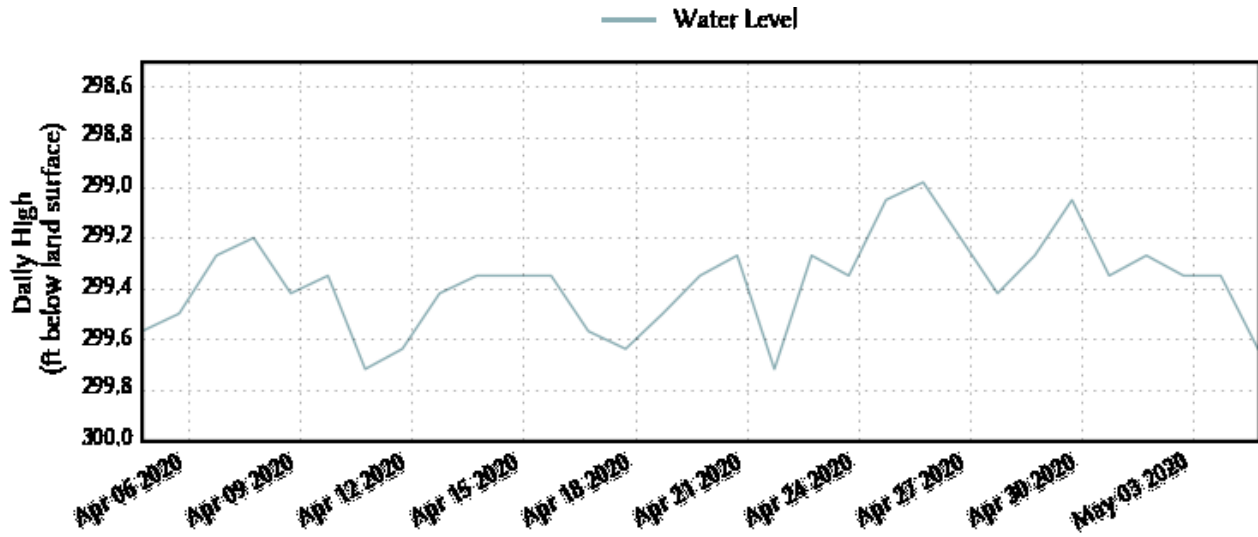


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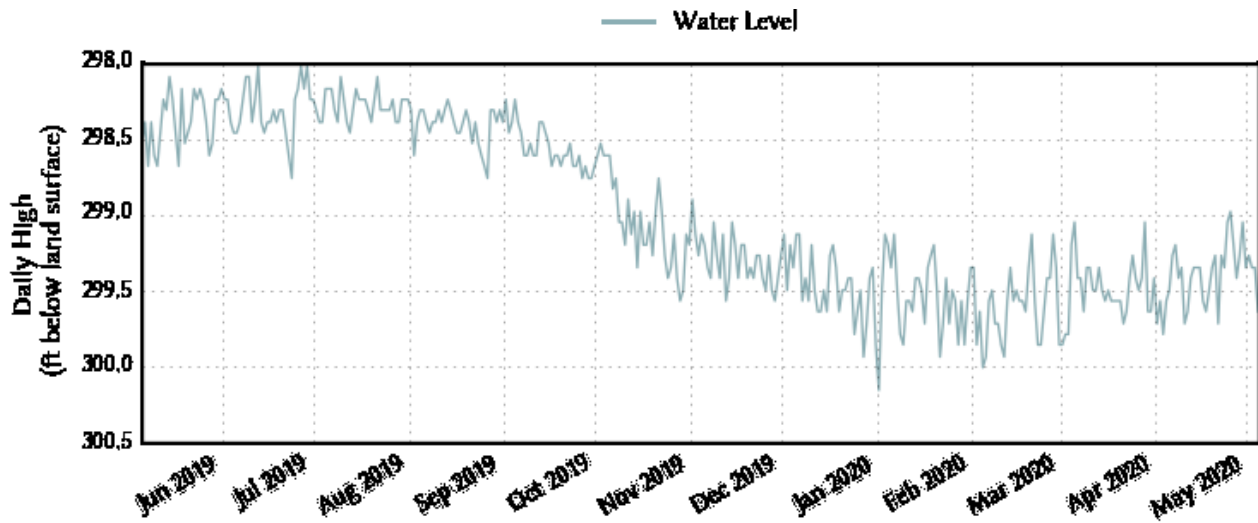


Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer

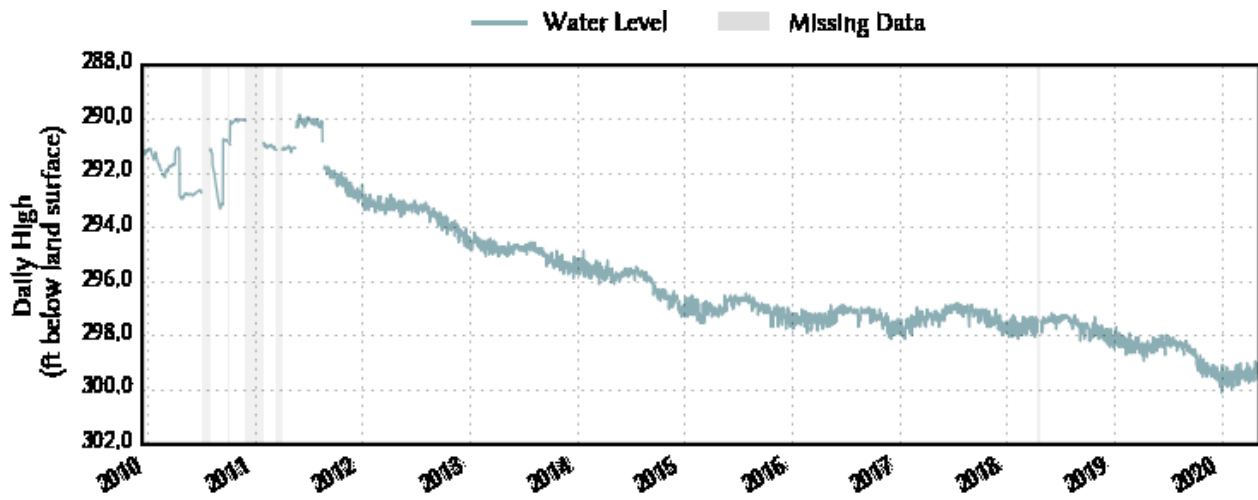
Last 30 Days



1 Year

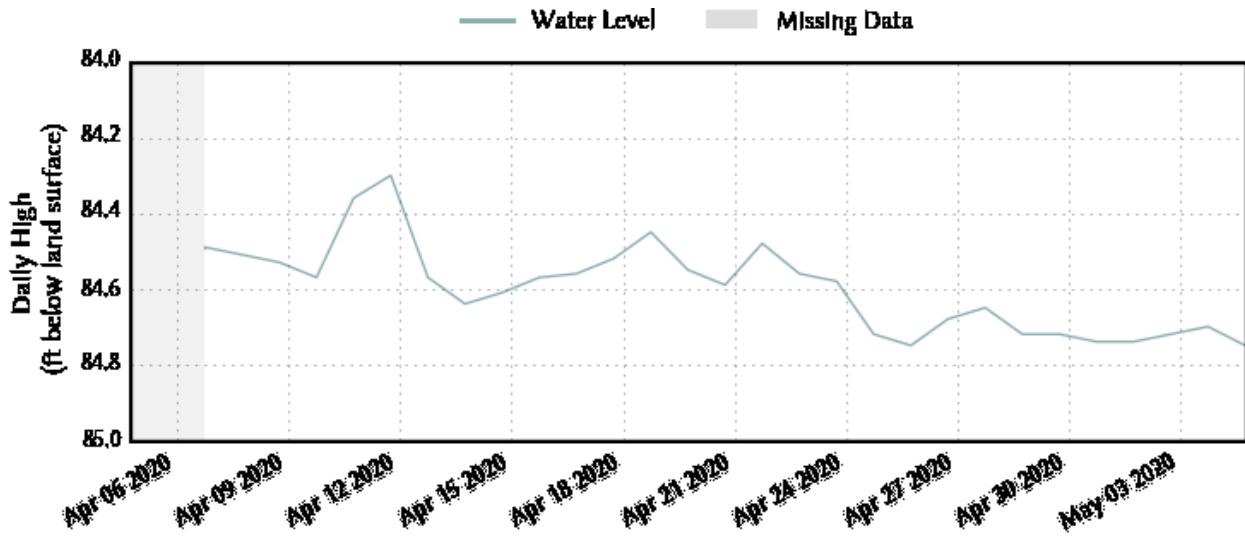


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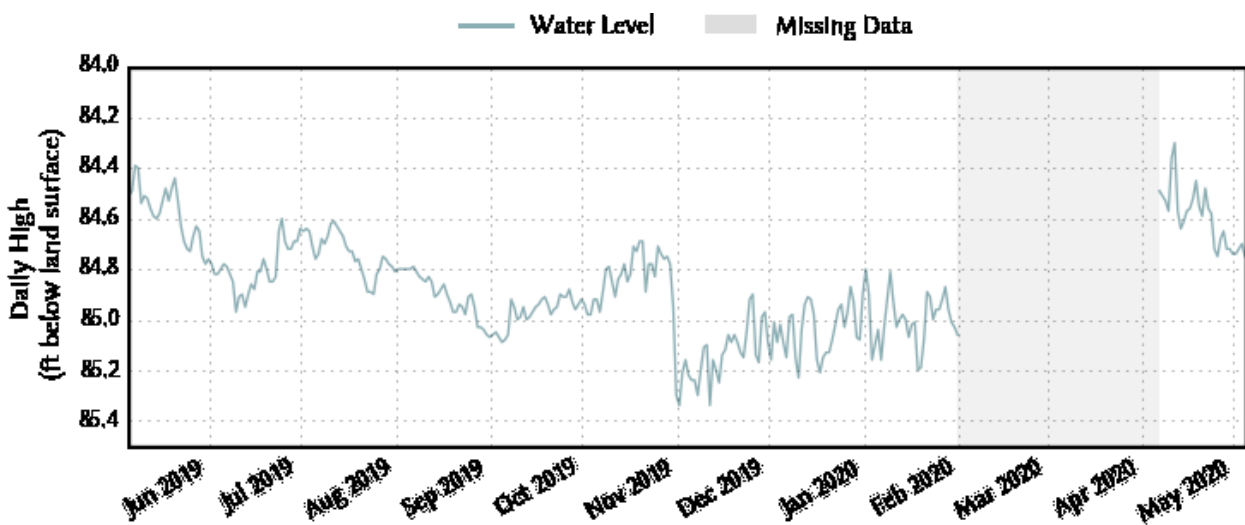


Continuous Monitoring Well # 4058201
(Central Texas College - Ranch Rd)
Upper Trinity Aquifer

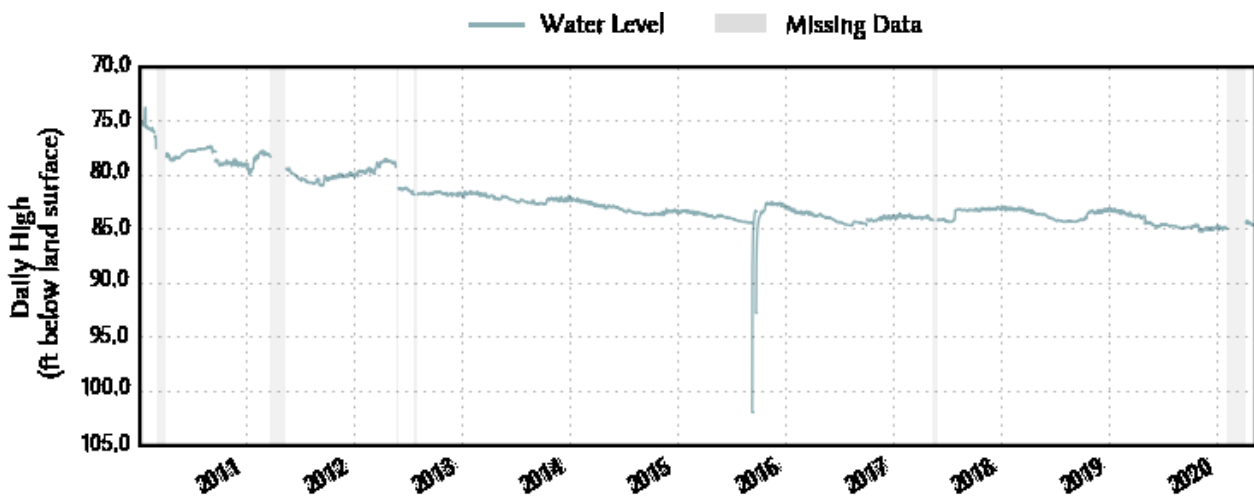
Last 30 Days



1 Year

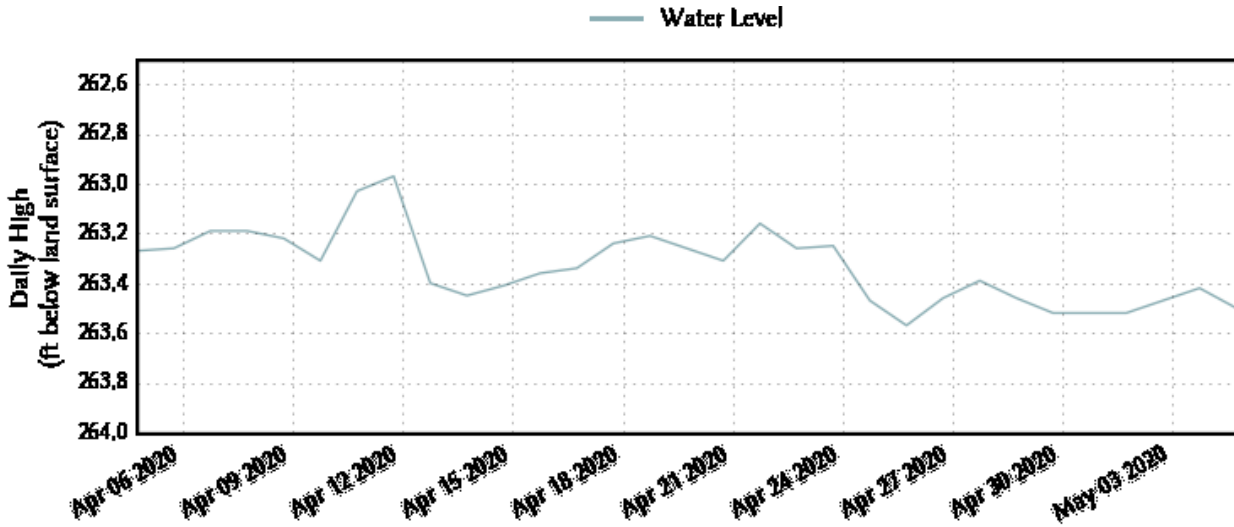


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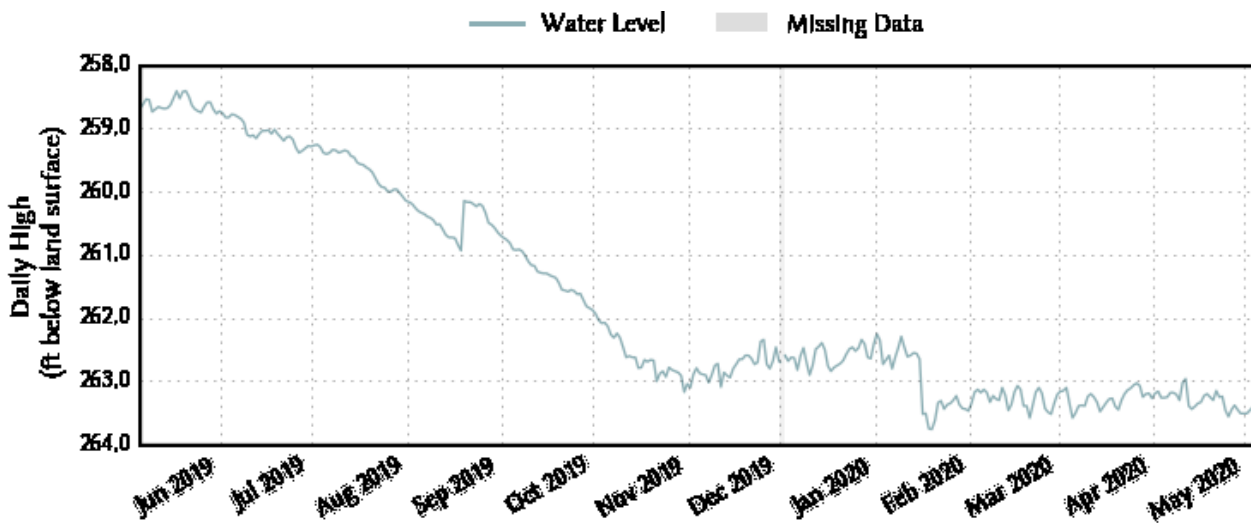


Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer

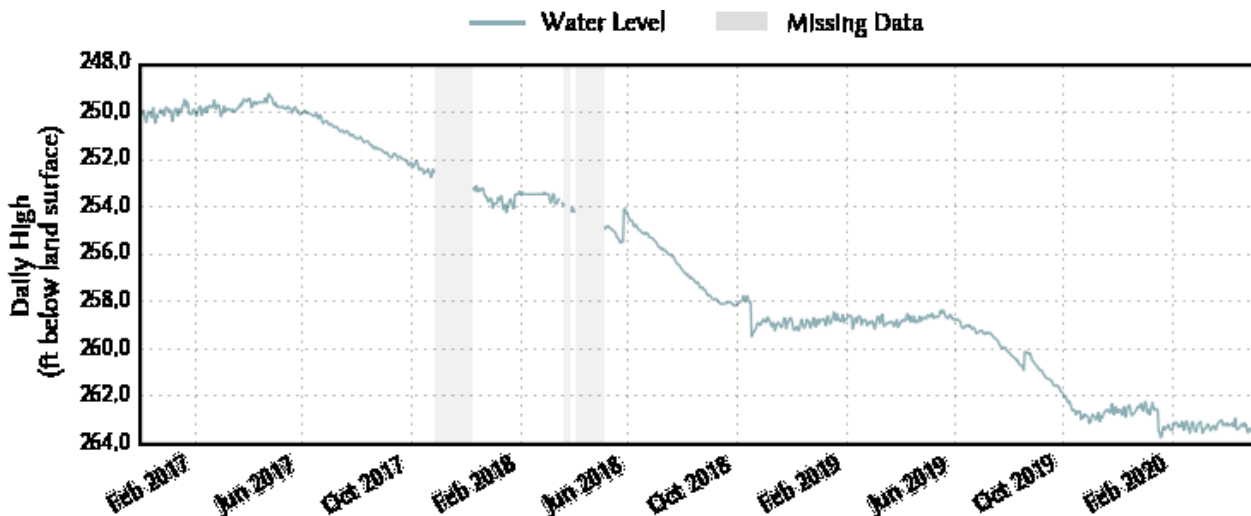
Last 30 Days



1 Year

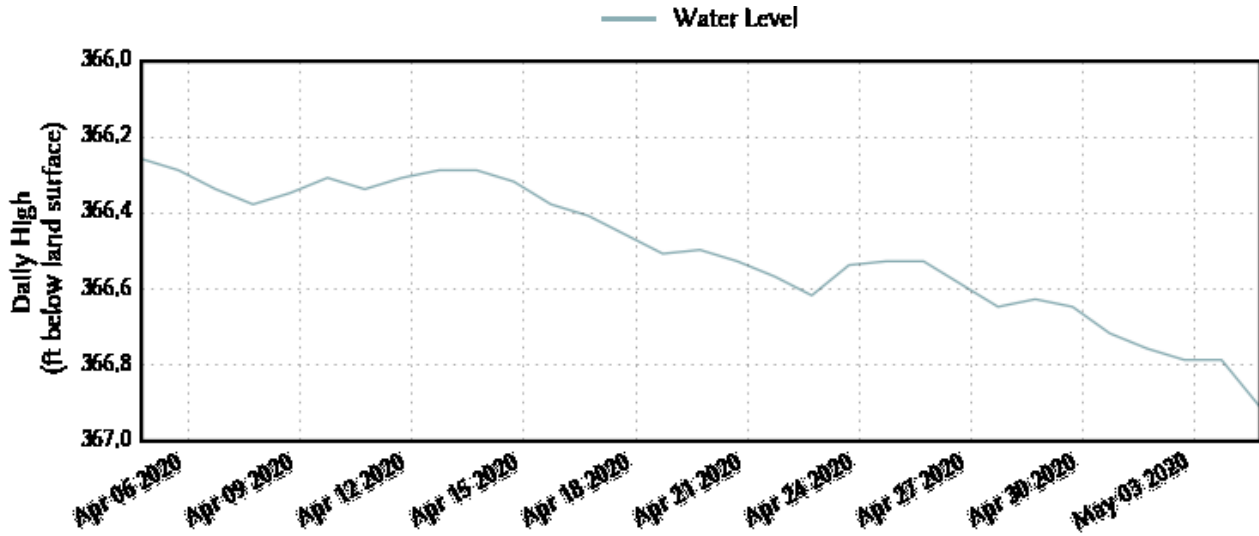


Period Of Record

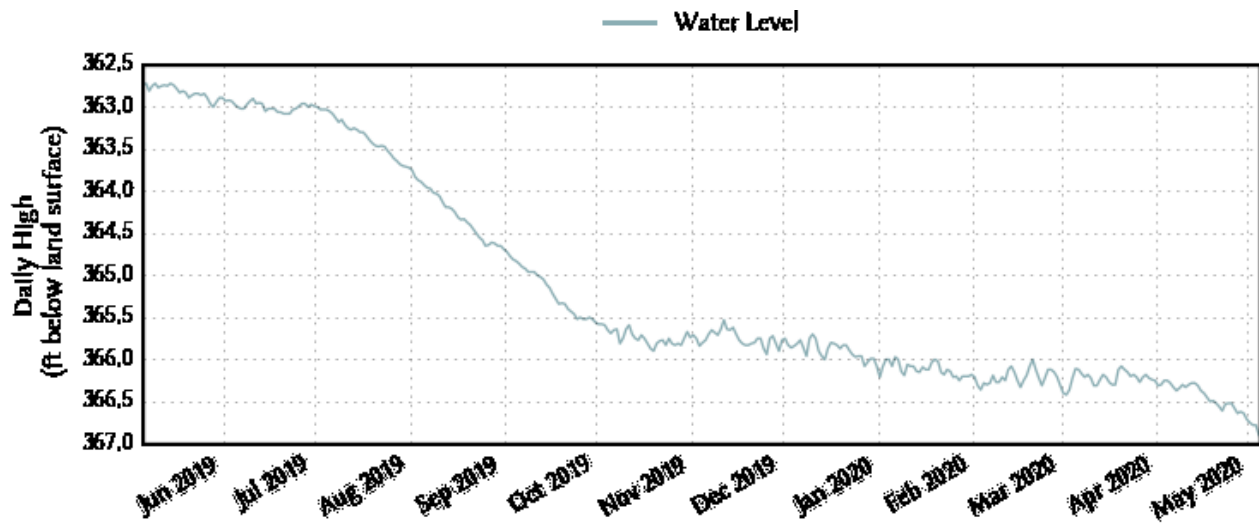


Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer

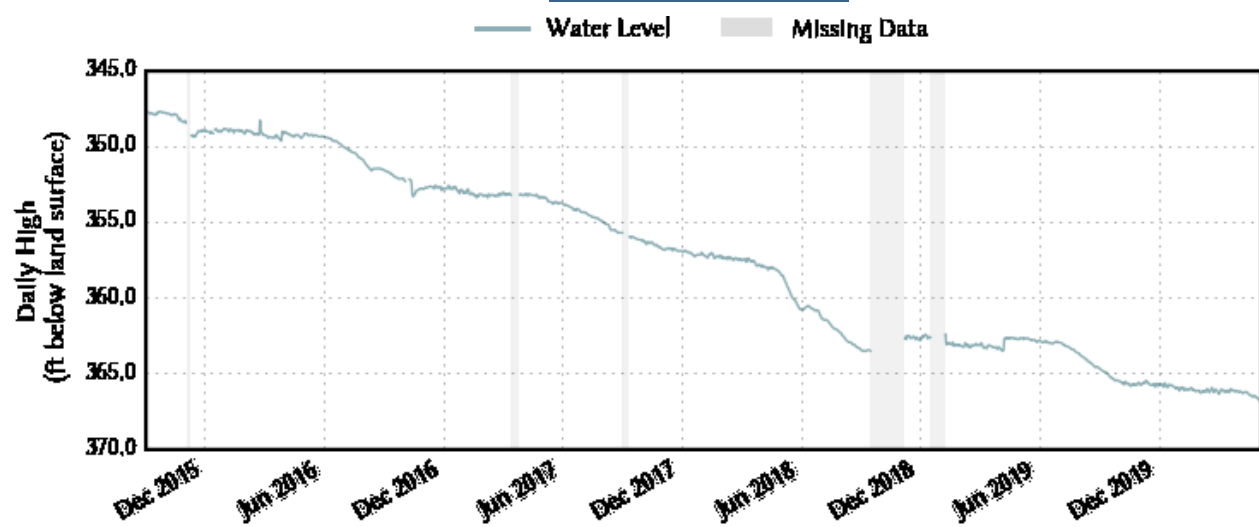
Last 30 Days



1 Year



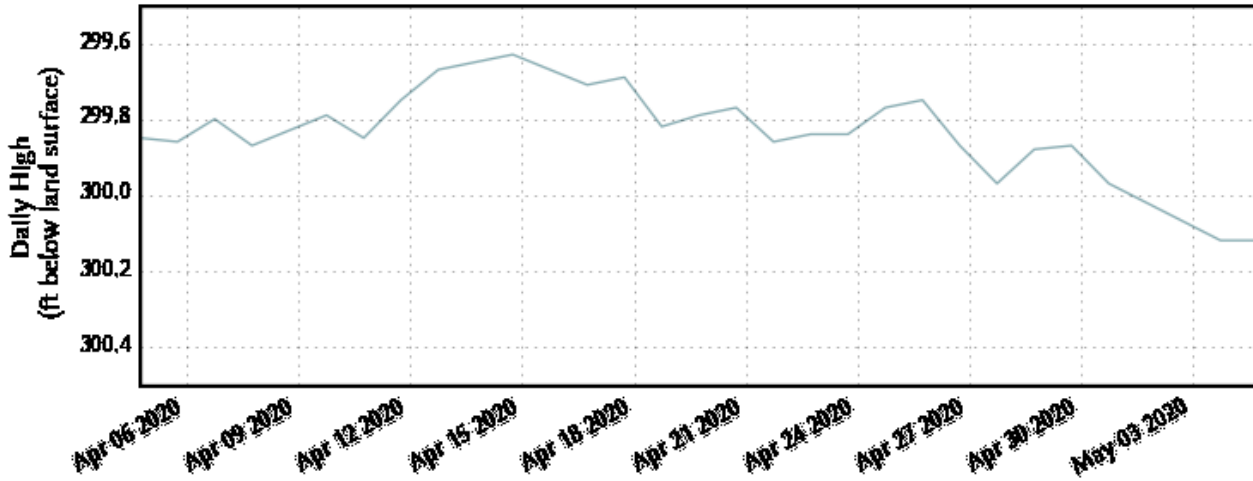
Period Of Record



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

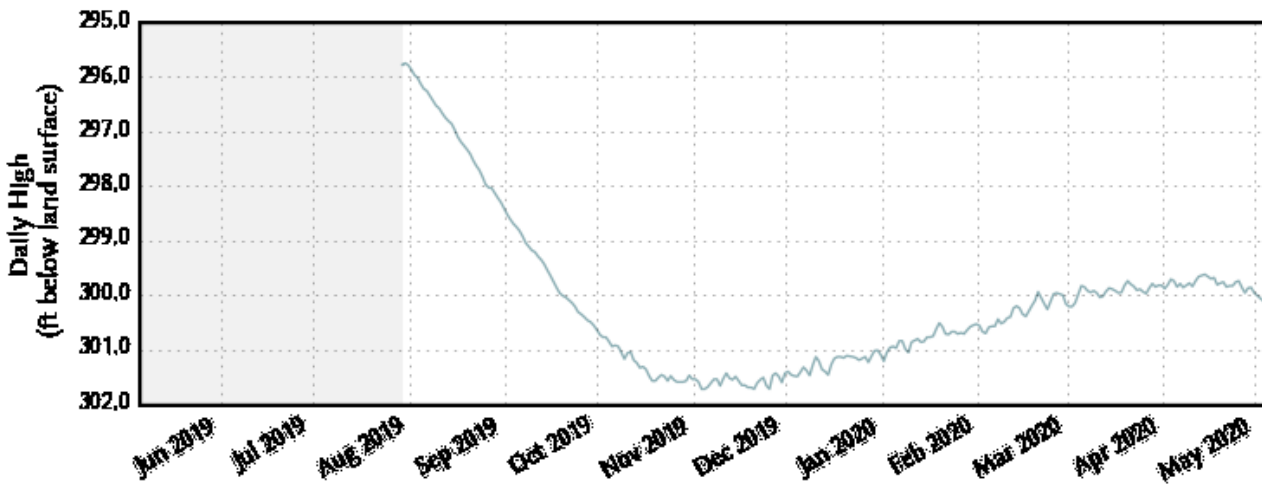
Last 30 Days

Water Level



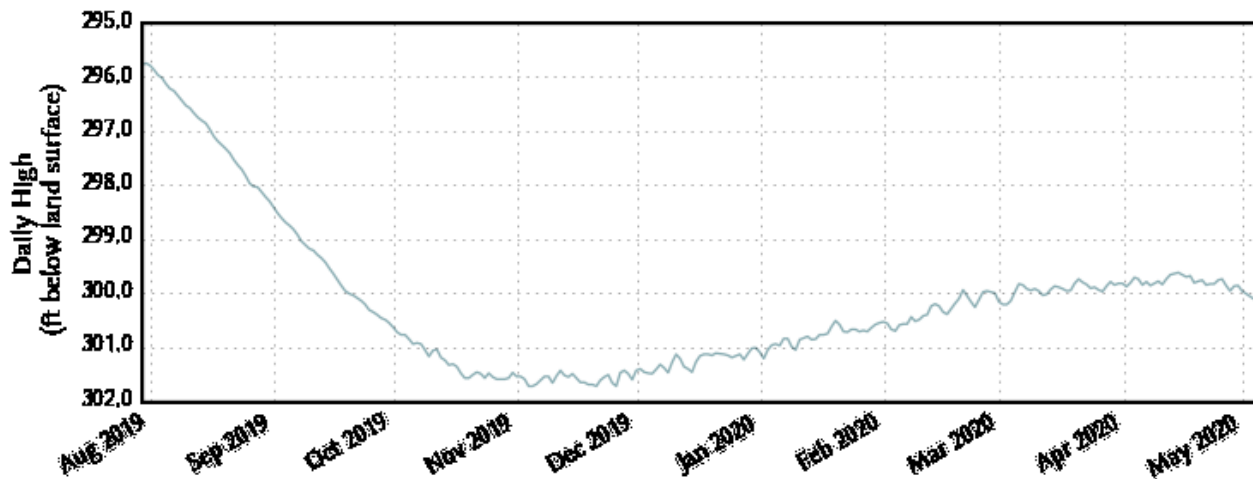
1 Year

Water Level Missing Data



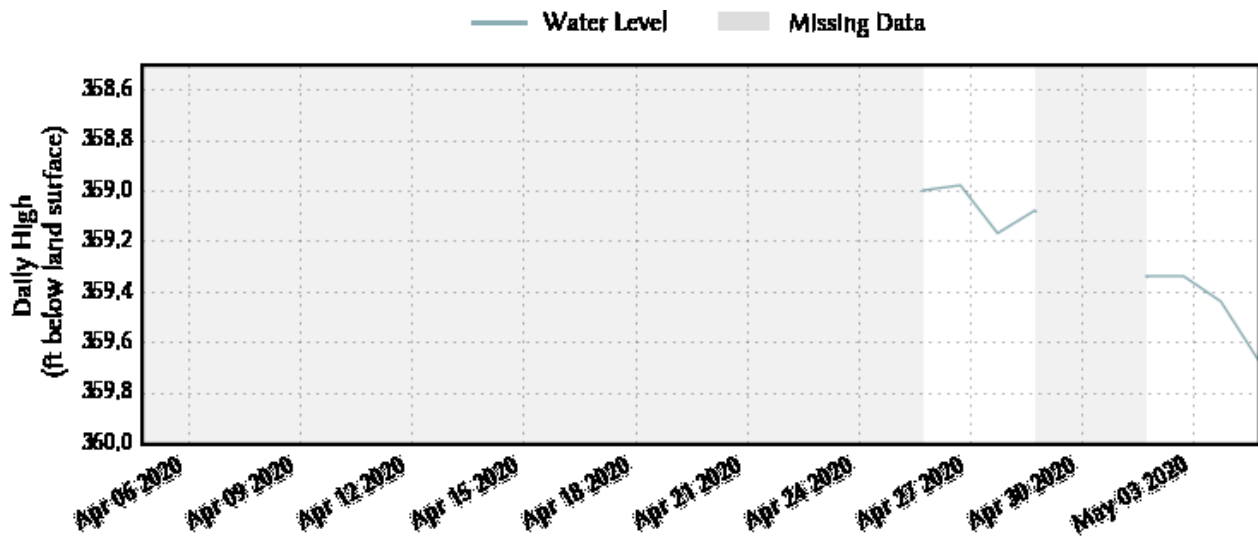
Period Of Record

Water Level

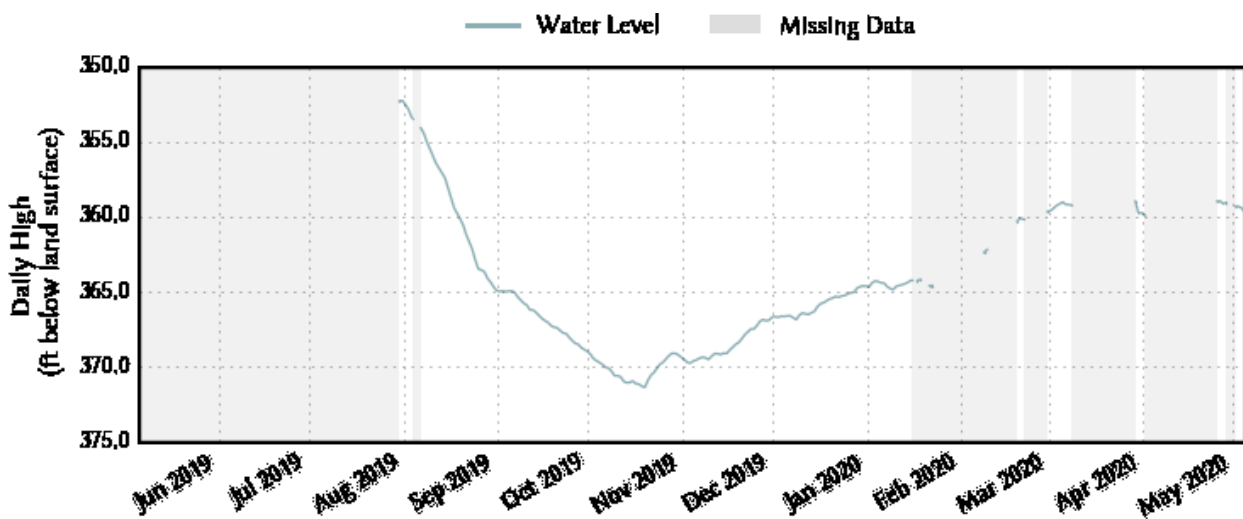


Continuous Monitoring Well # 5802304
(Killeen - River Ridge Ranch Park Well #1)
Middle Trinity Aquifer

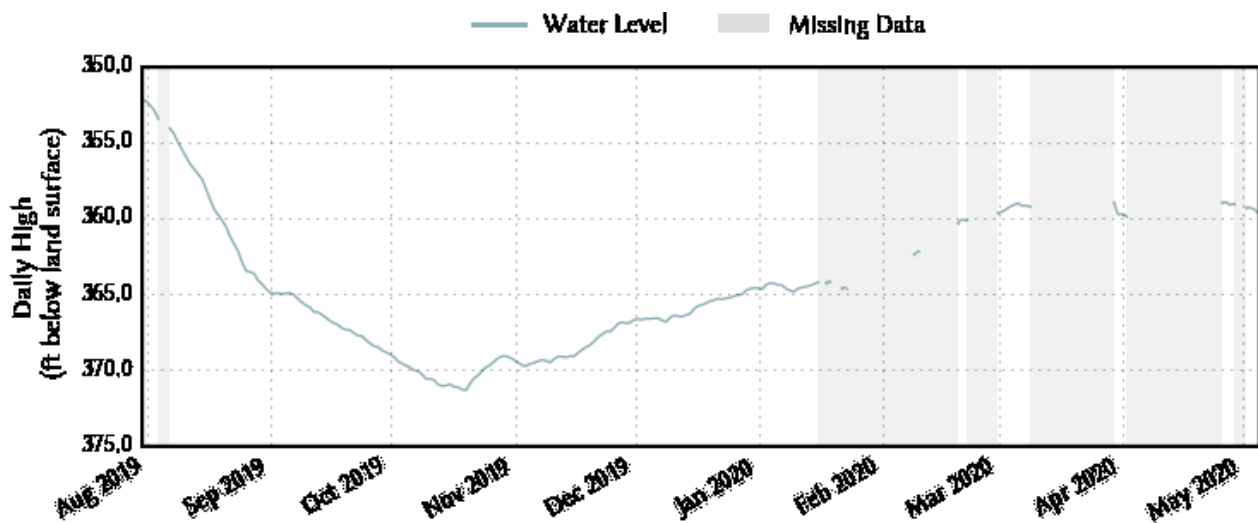
Last 30 Days



1 Year



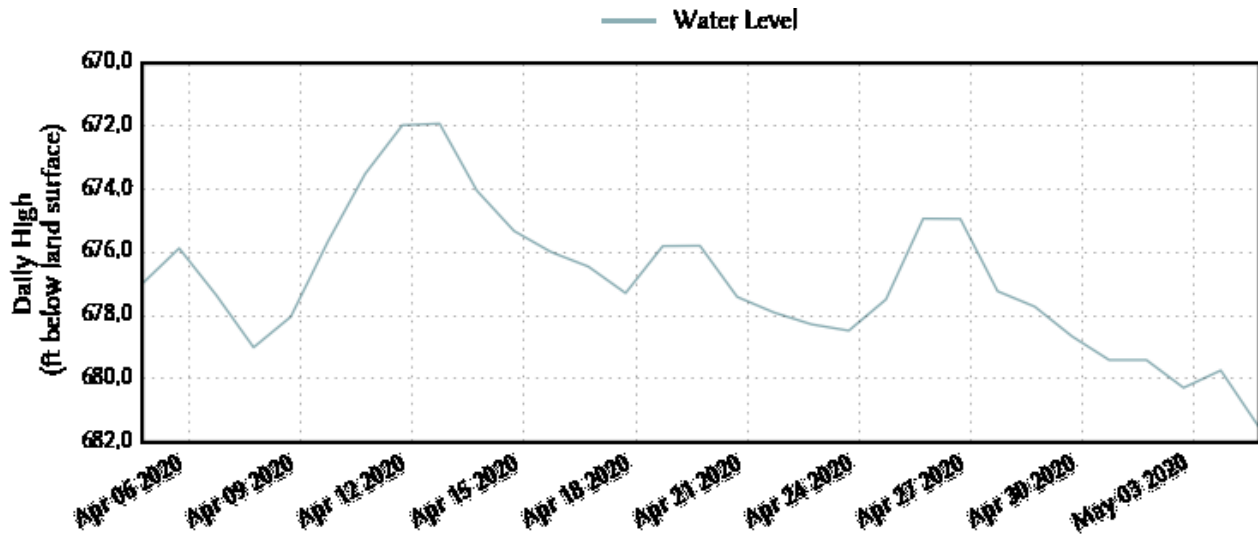
Period Of Record



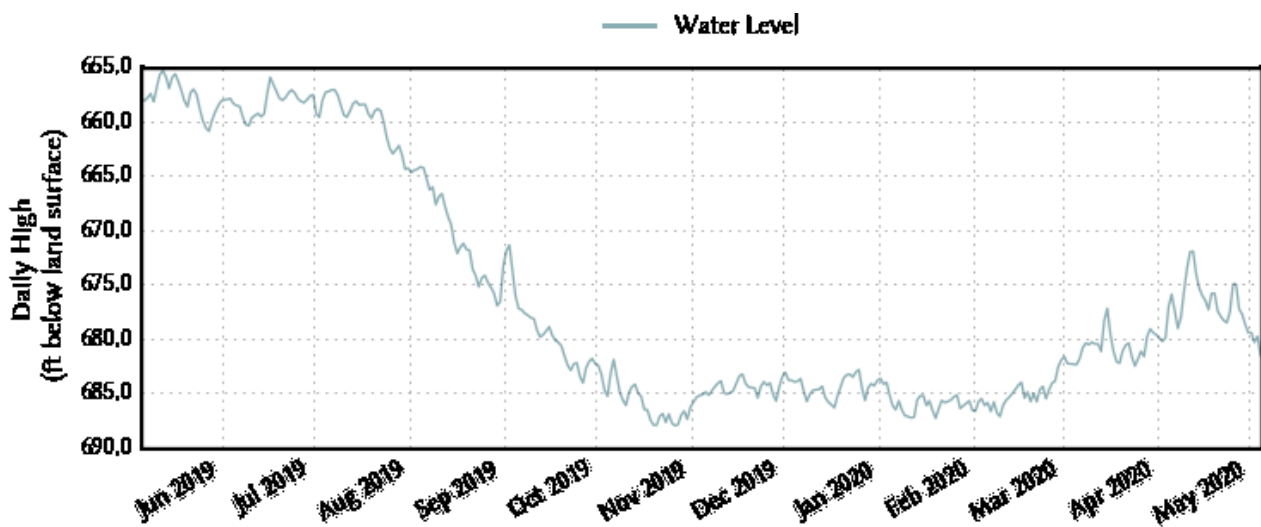
April 2020

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

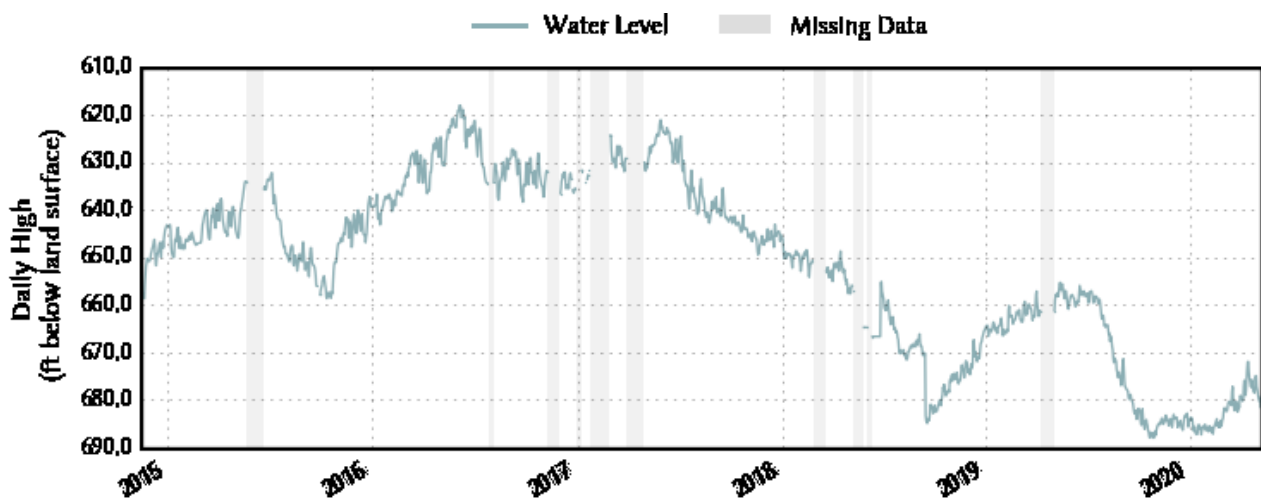
Last 30 Days



1 Year



Period Of Record

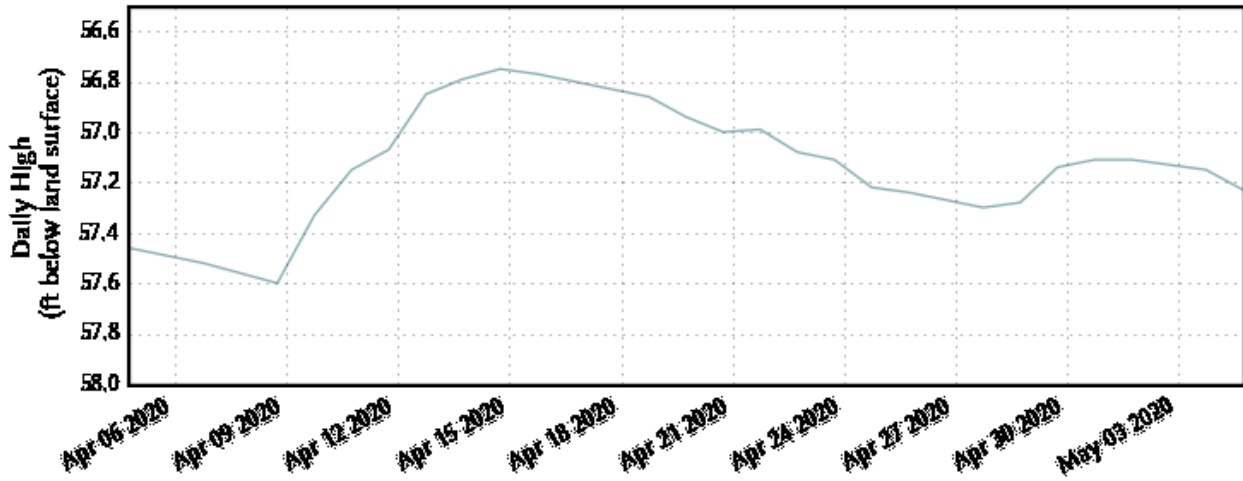


April 2020

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

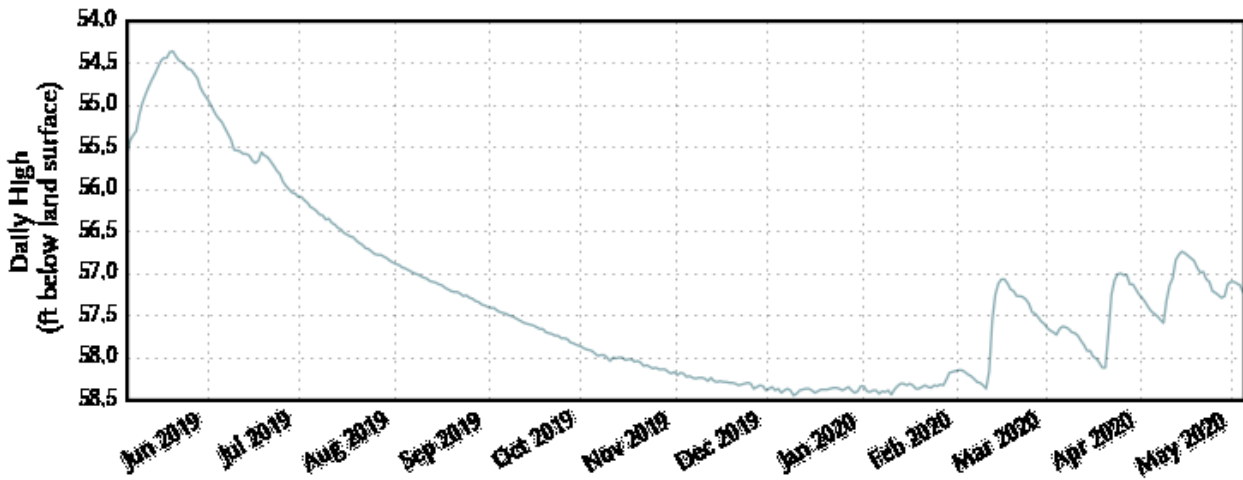
Last 30 Days

— Water Level



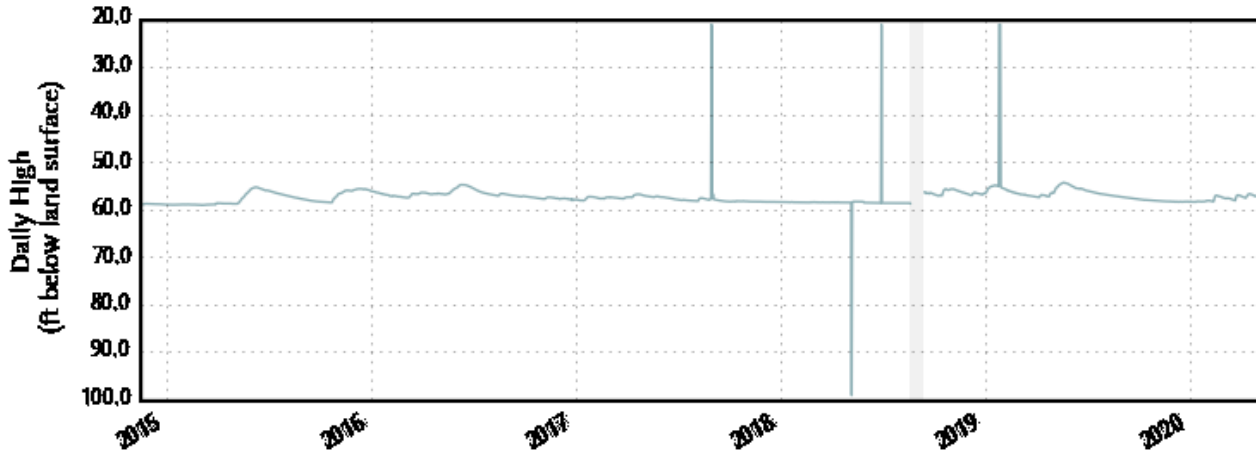
1 Year

— Water Level



Period Of Record

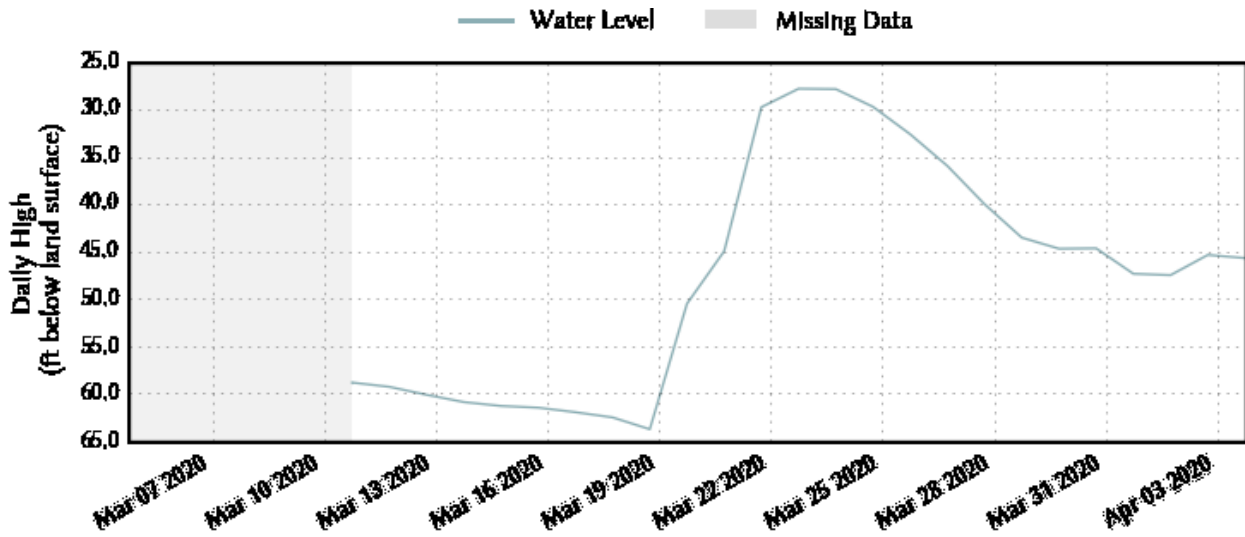
— Water Level ■ Missing Data



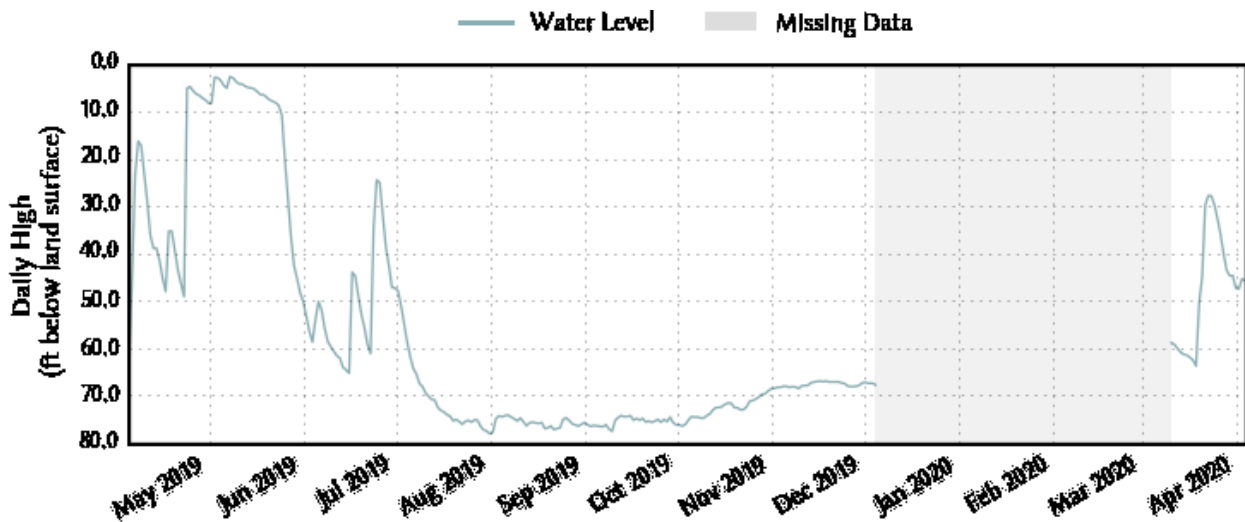
April 2020

Continuous Monitoring Well # 5804628
(Salado Cemetery)
Edwards Aquifer

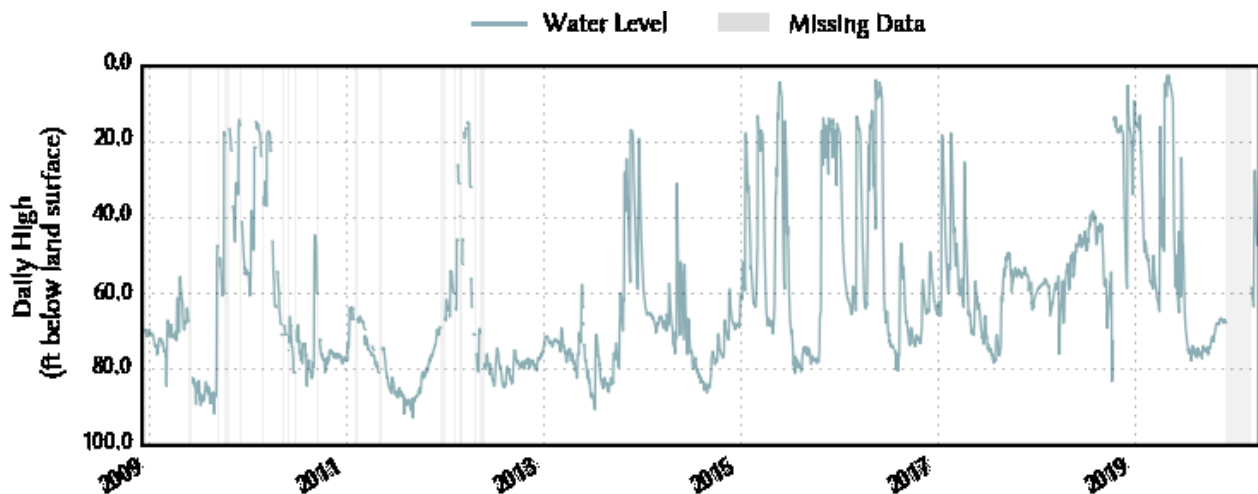
Last 30 Days



1 Year



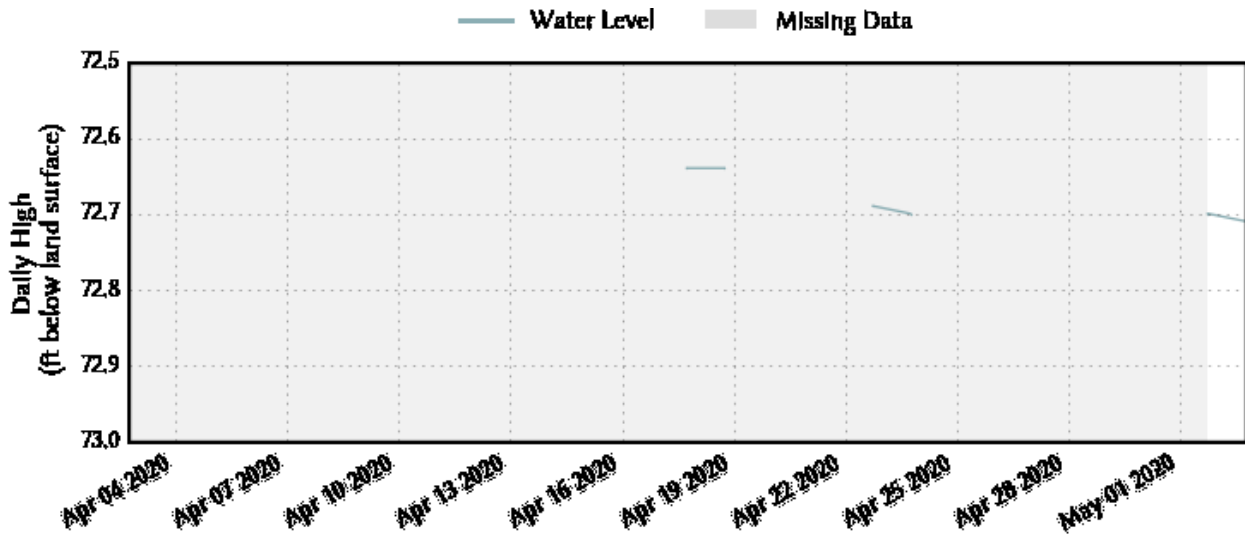
Period Of Record



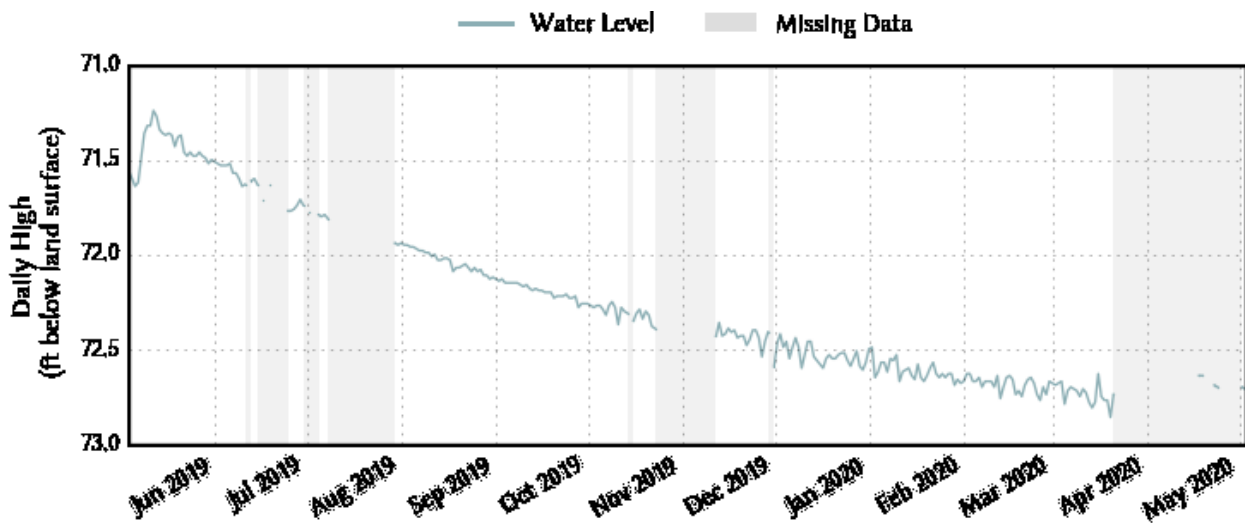
April 2020

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

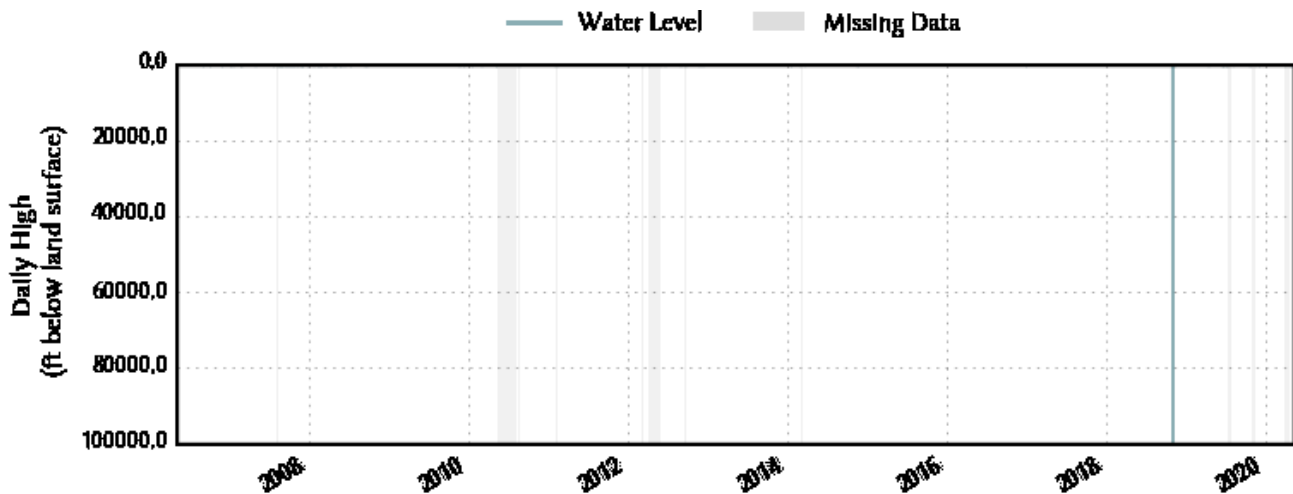
Last 30 Days



1 Year



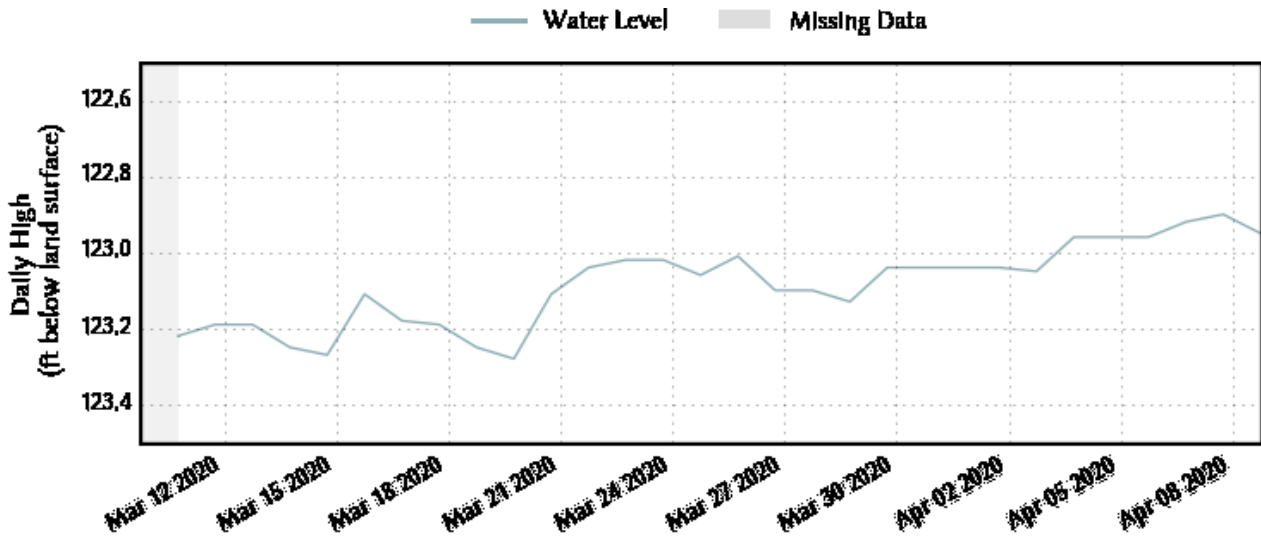
Period Of Record



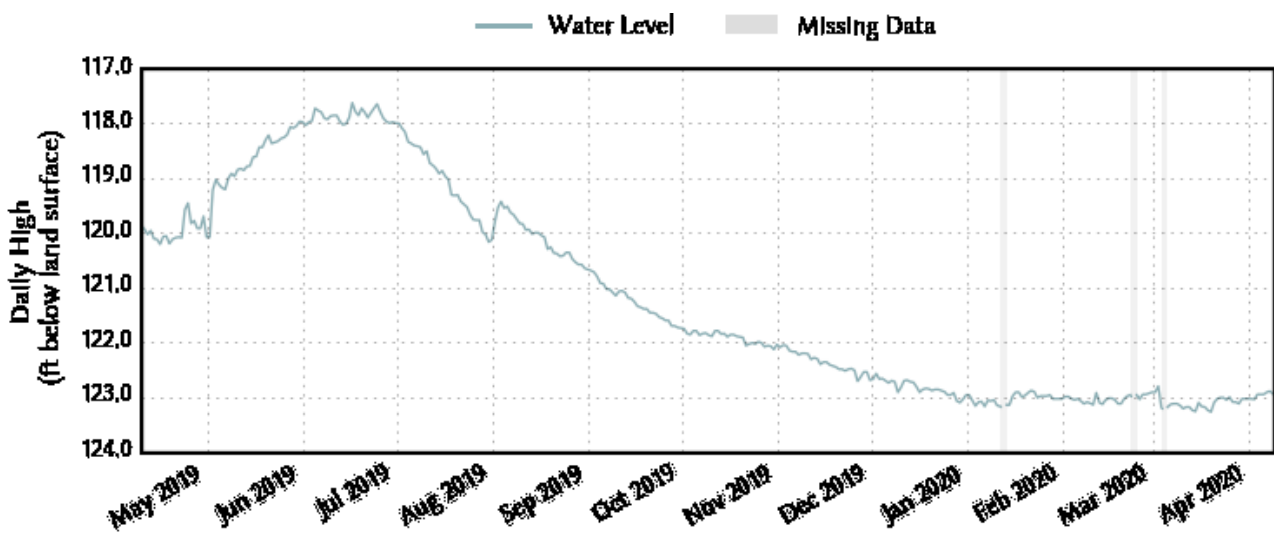
April 2020

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

Last 30 Days



1 Year



Period Of Record

