



Clearwater Underground Water Conservation District

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www.cuwcd.org

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Clearwater Staff Reports

December 9, 2020

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

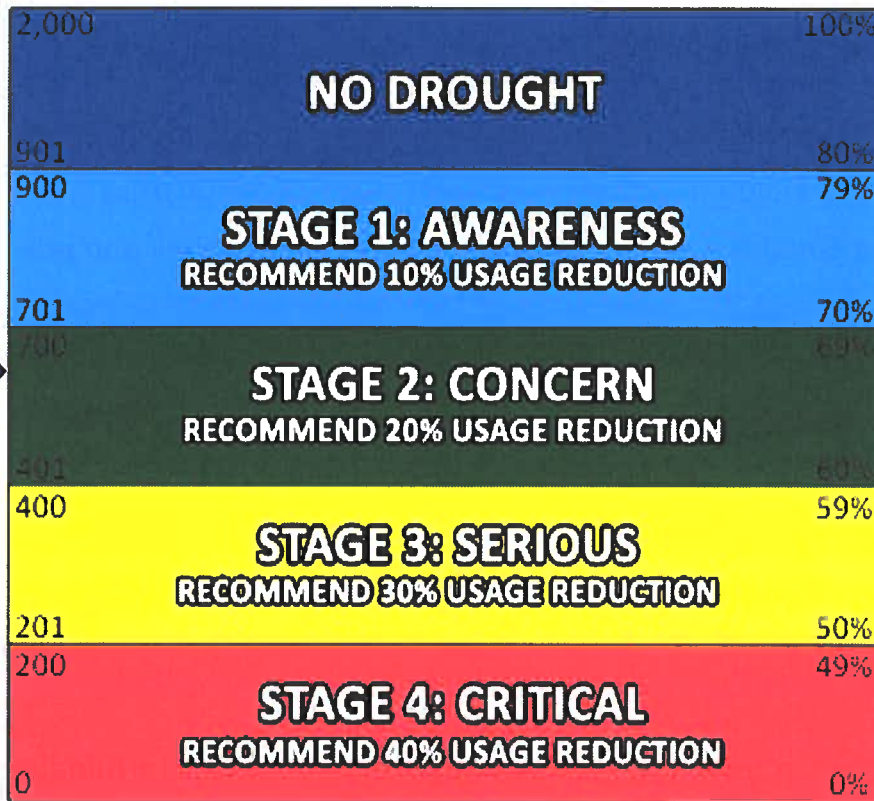
NO DROUGHT

Salado Creek
Spring Discharge

Precipitation Deficit
Index (PDI)

615.15 ac-ft
(month)
10.34 cfs

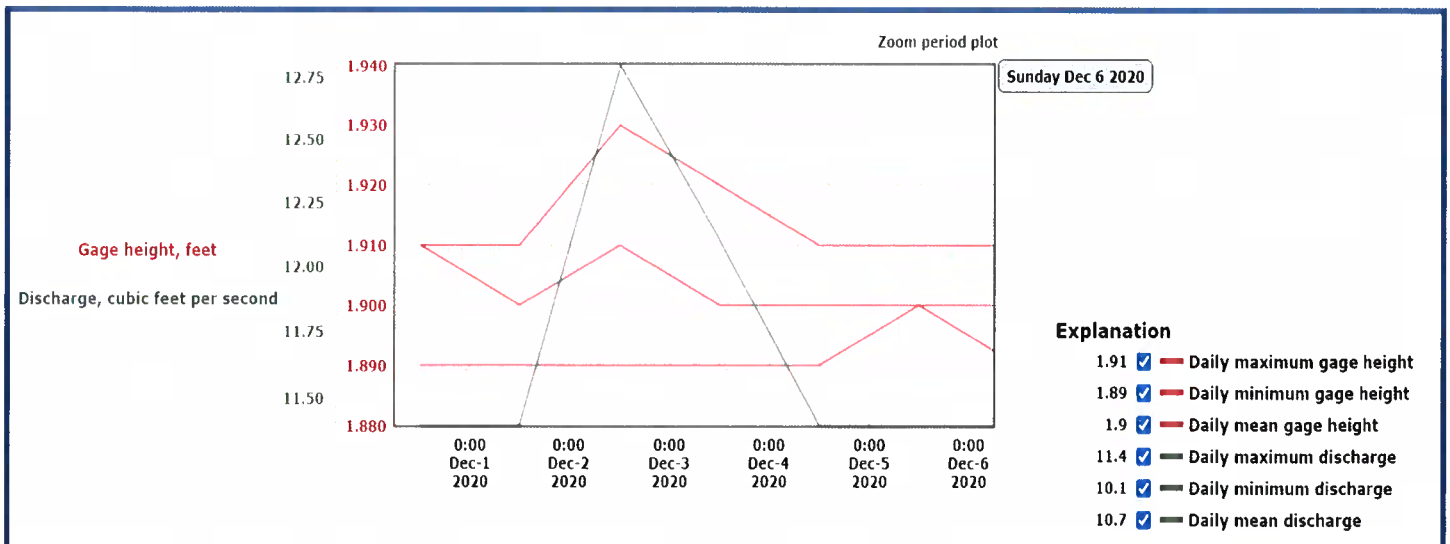
28.85 PDI
87.42 %



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

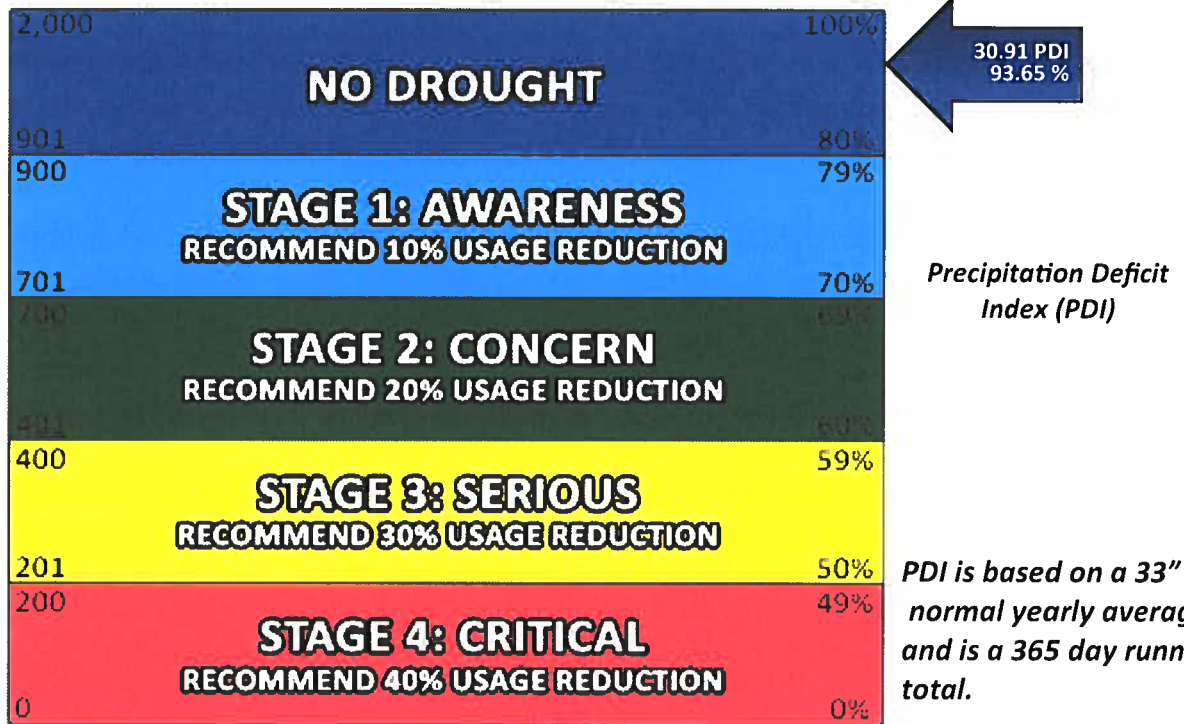
AS OF 12/04/2020

USGS 08104300 Salado Ck at Salado, TX

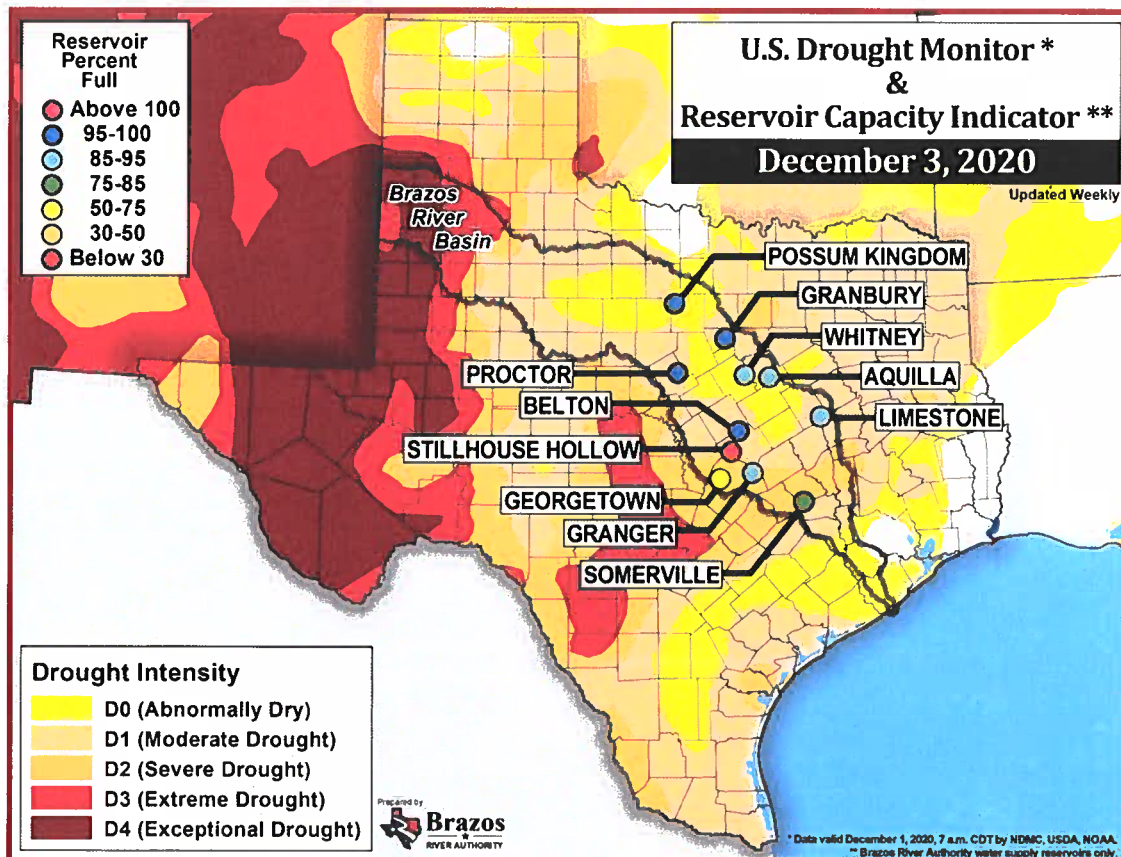


Trinity Aquifer—Drought Status Report

NO DROUGHT



AS OF 12/04/2020





Education Outreach Highlights 12/9/20

- 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.

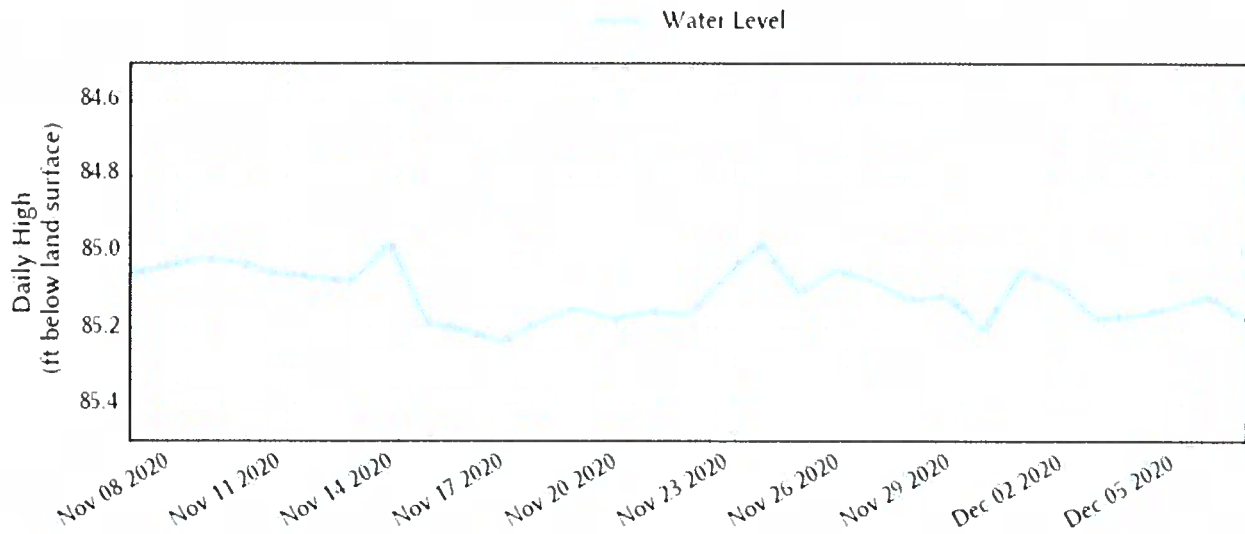
- 3. Increase the District Communication strategically by expanding utilization of a media sources. Goals and objectives in the Management Plan (A:1, A:2, A:3,G:1,G:2, pages 22-23).**

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

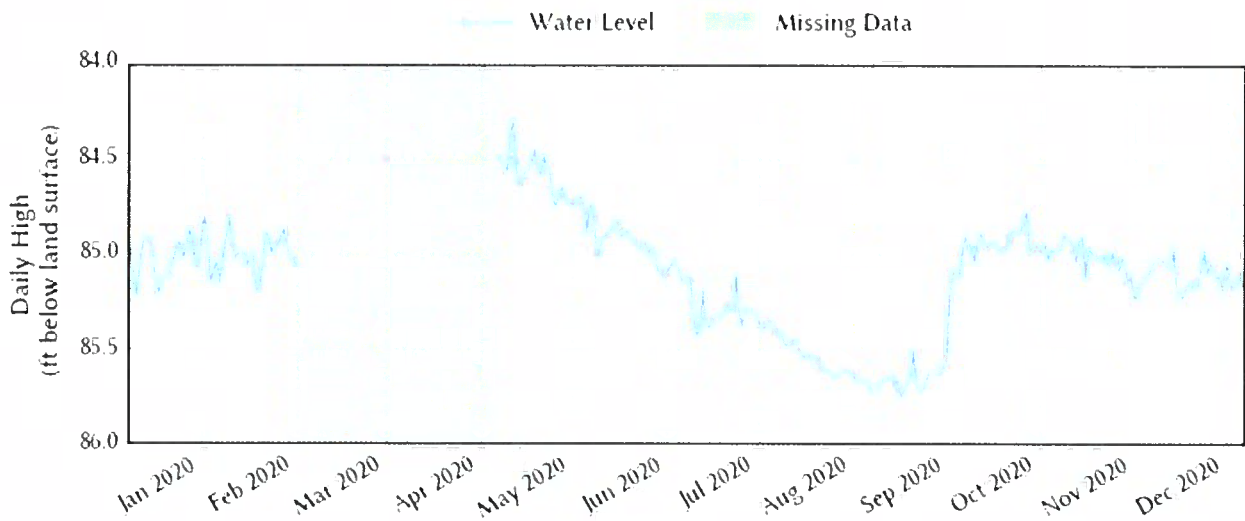
- 4. Improve Annual Reporting accuracy and timeliness per State mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).**

 - Staff is compiling information for the 2020 Annual Report.
 - The Annual Water Symposium has been postponed due to COVID-19.
 - The Annual Newsletter will be mailed out in December 2020.

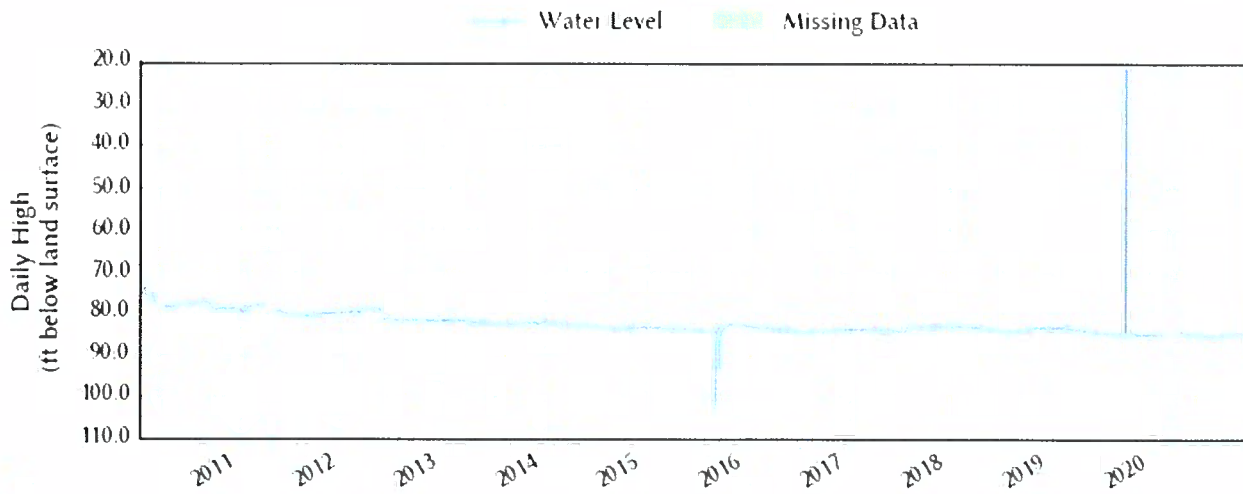
Last 30 Days



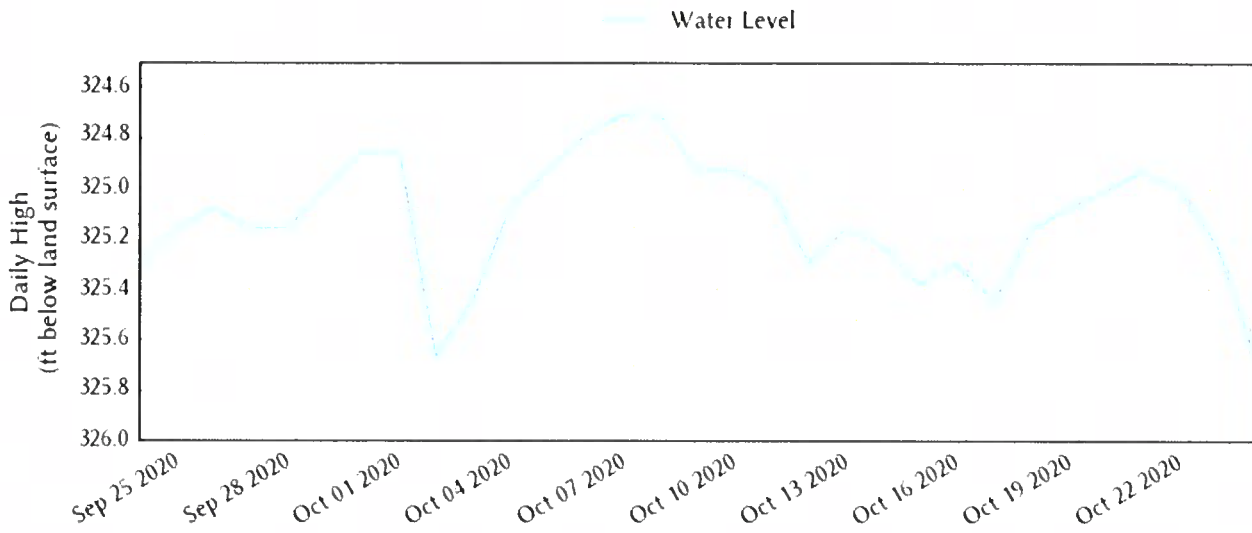
1 Year



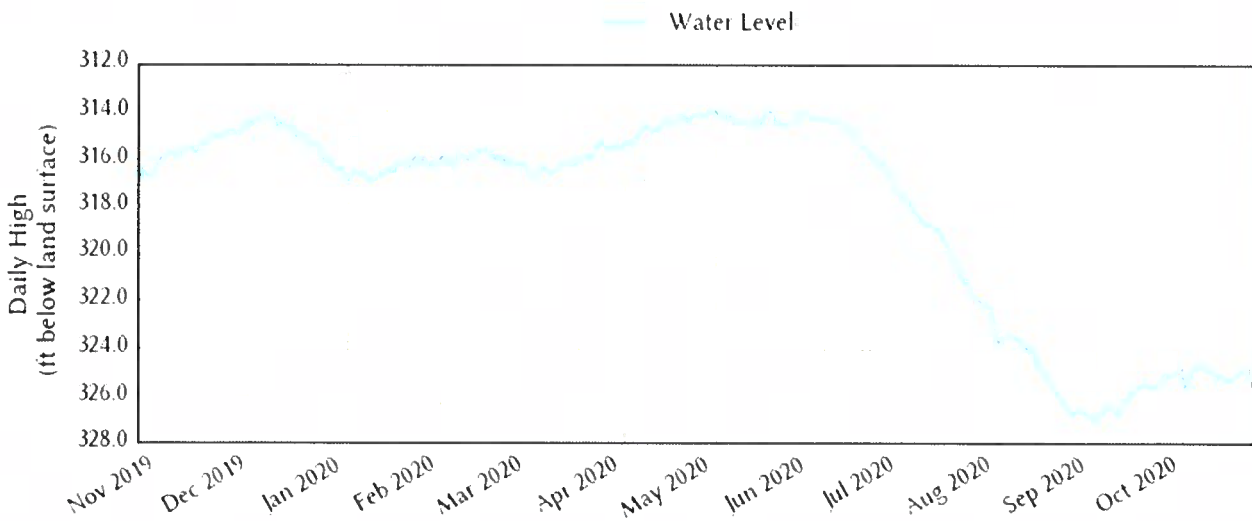
Period Of Record



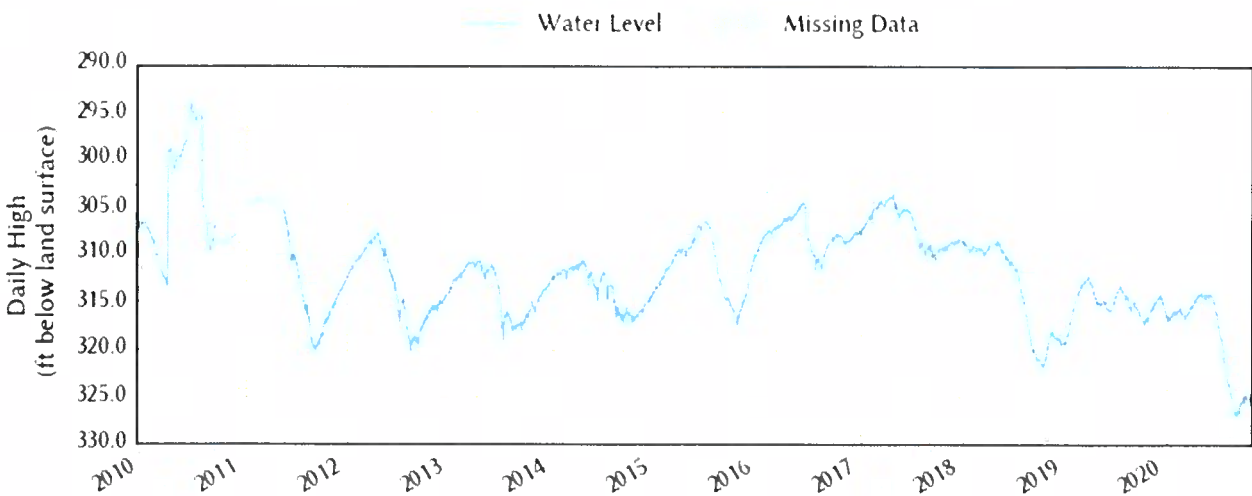
Last 30 Days



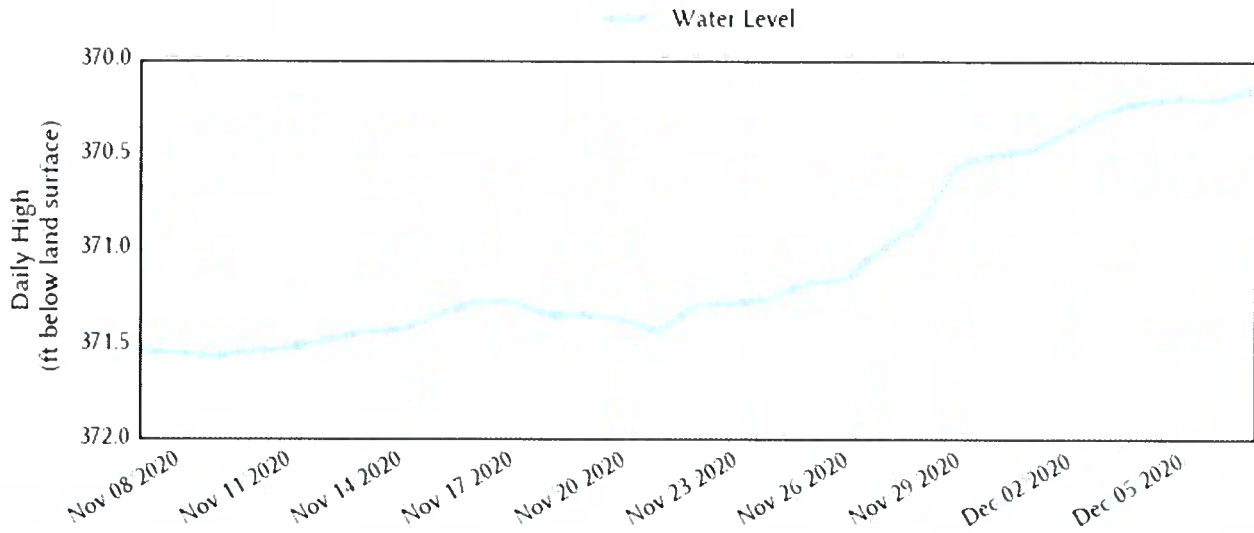
1 Year



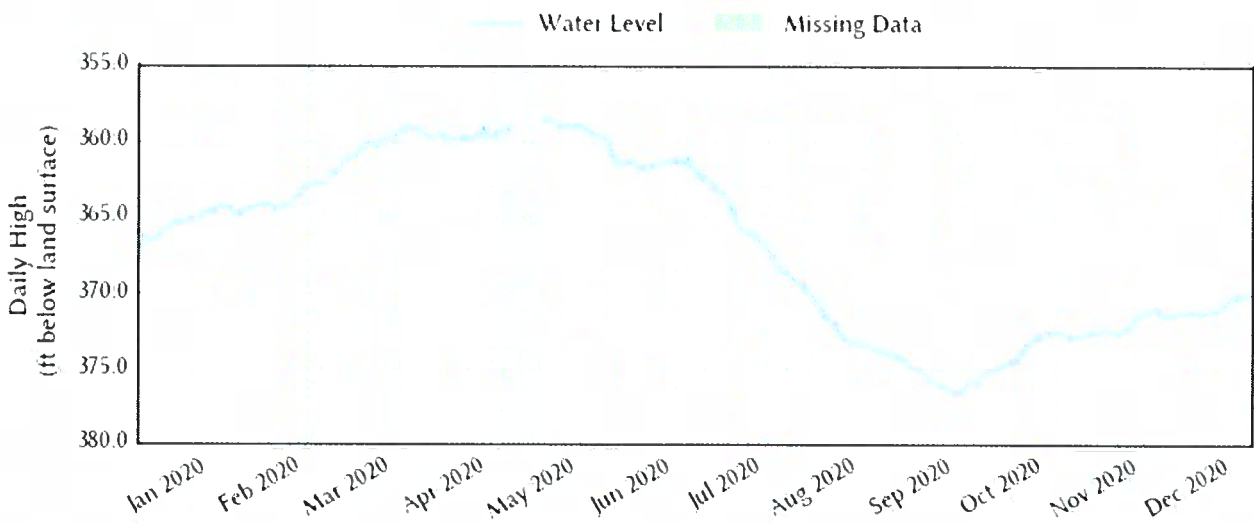
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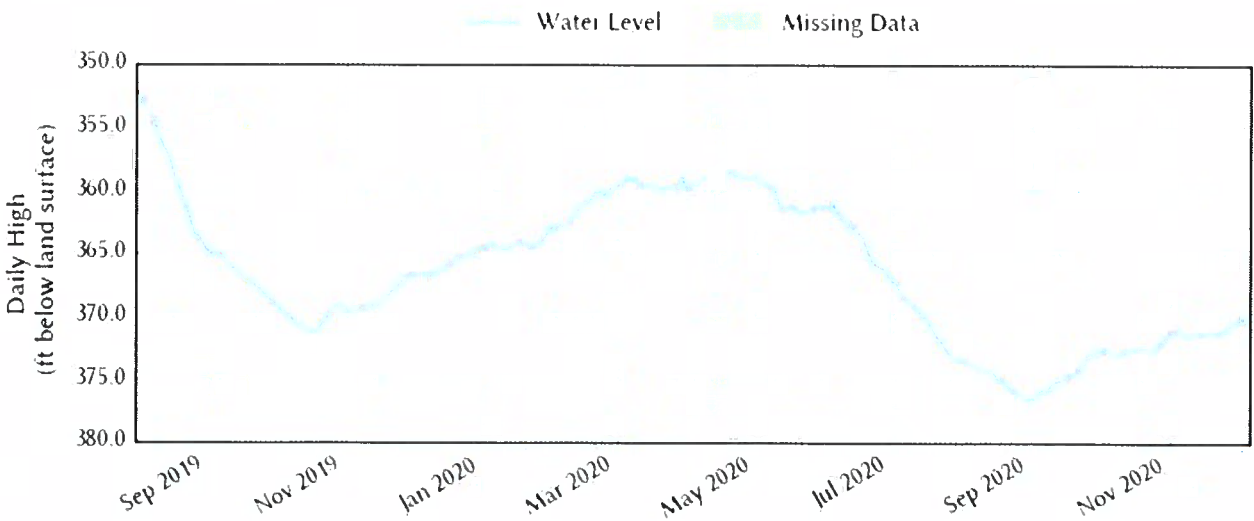
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1 Year



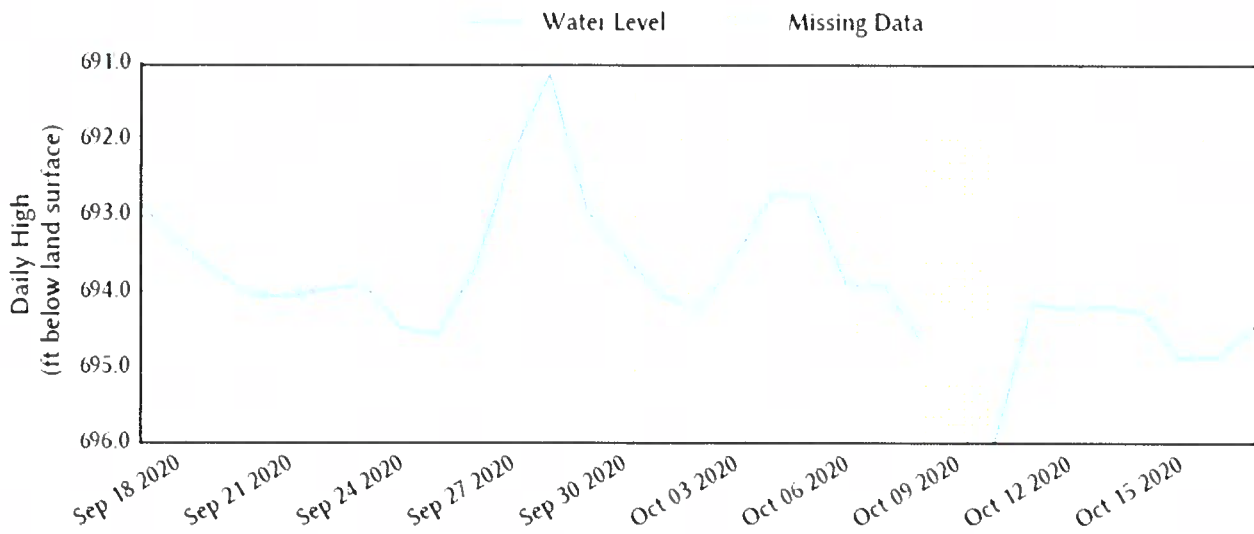
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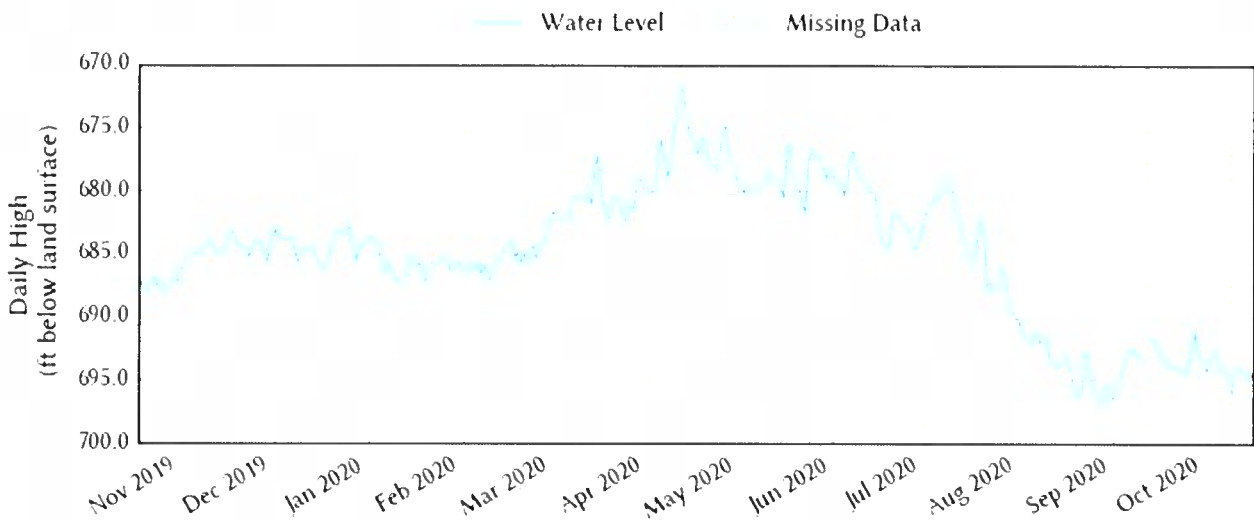
November 2020

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

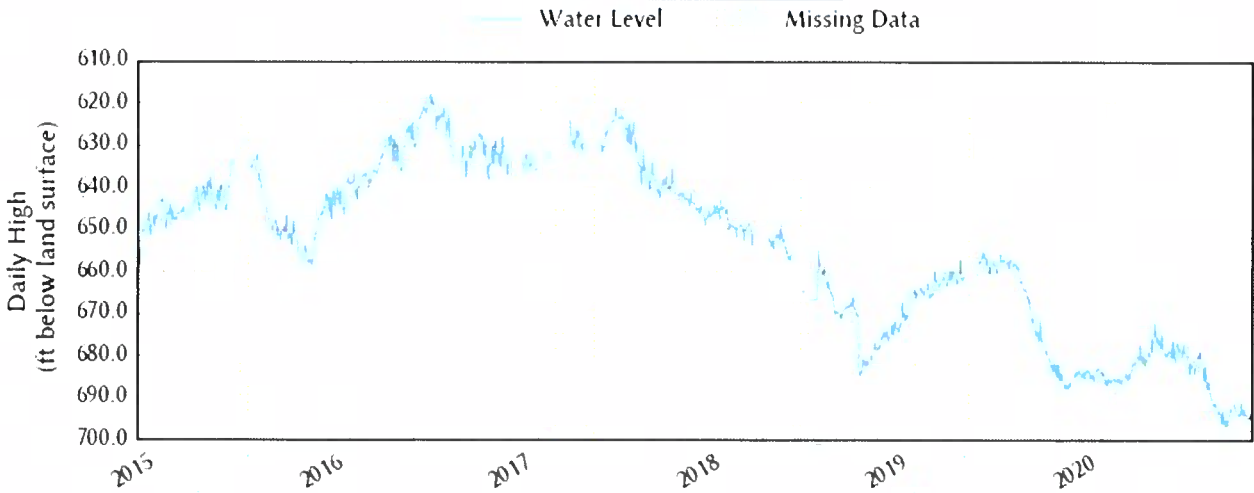
Last 30 Days



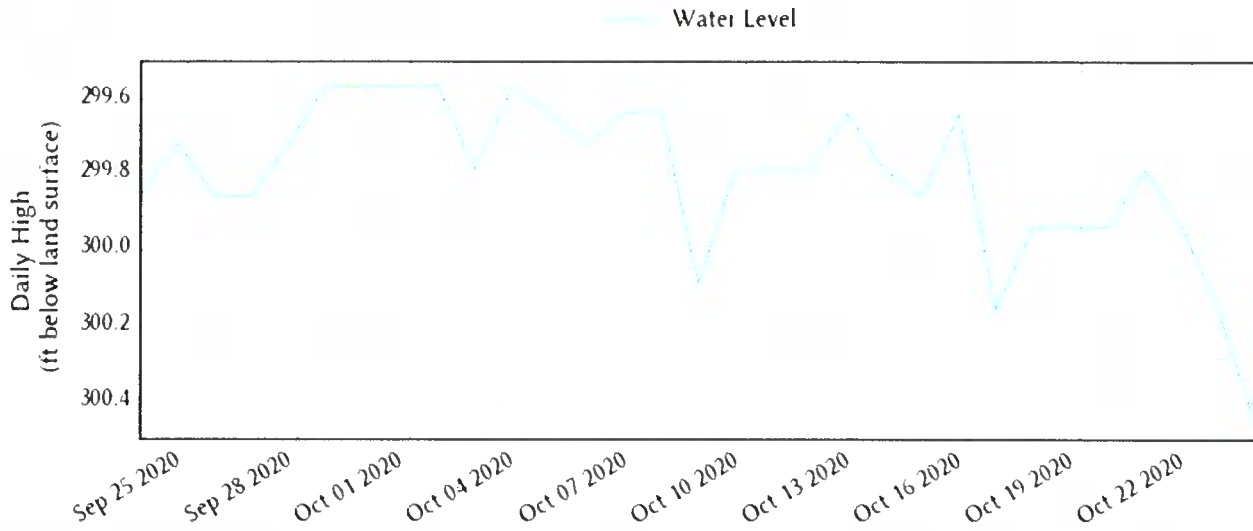
1 Year



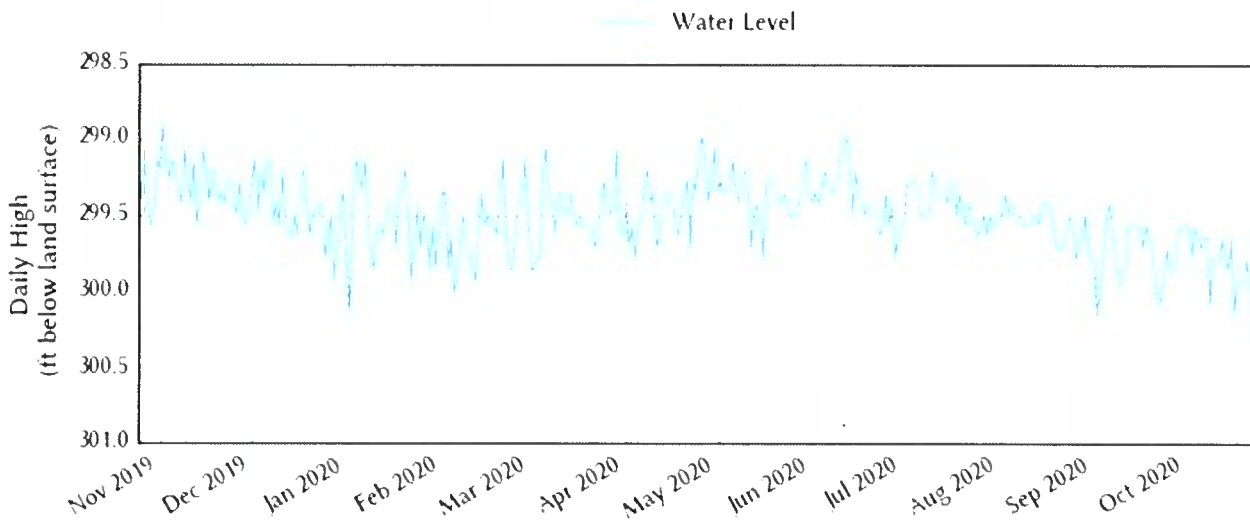
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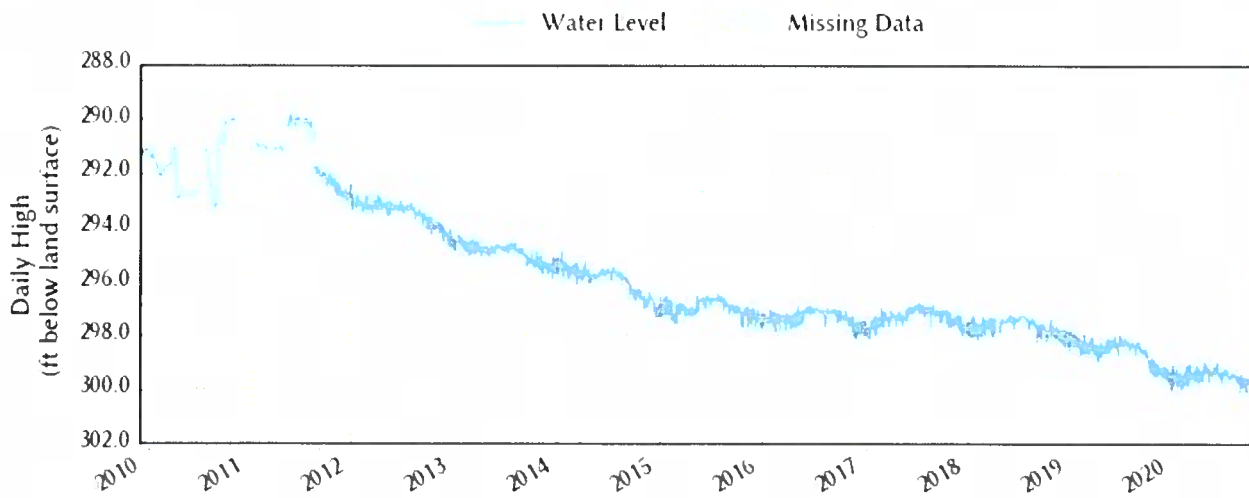
Last 30 Days



1 Year

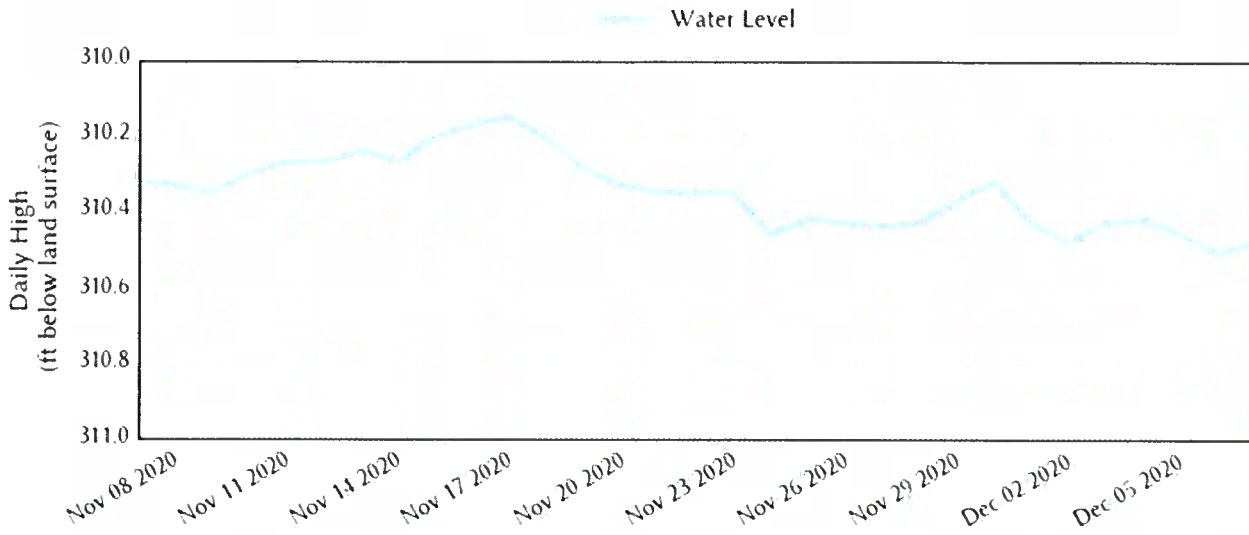


Period Of Record

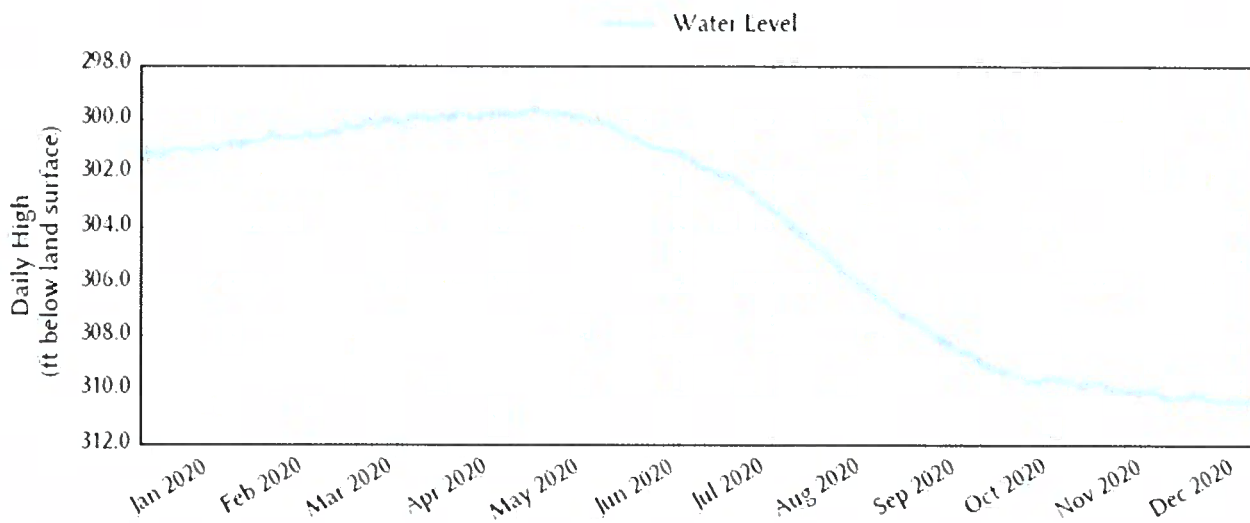


**Continuous Monitoring Well # 5802303
(Killeen - River Ridge Ranch Park Well #2)
Lower Trinity Aquifer**

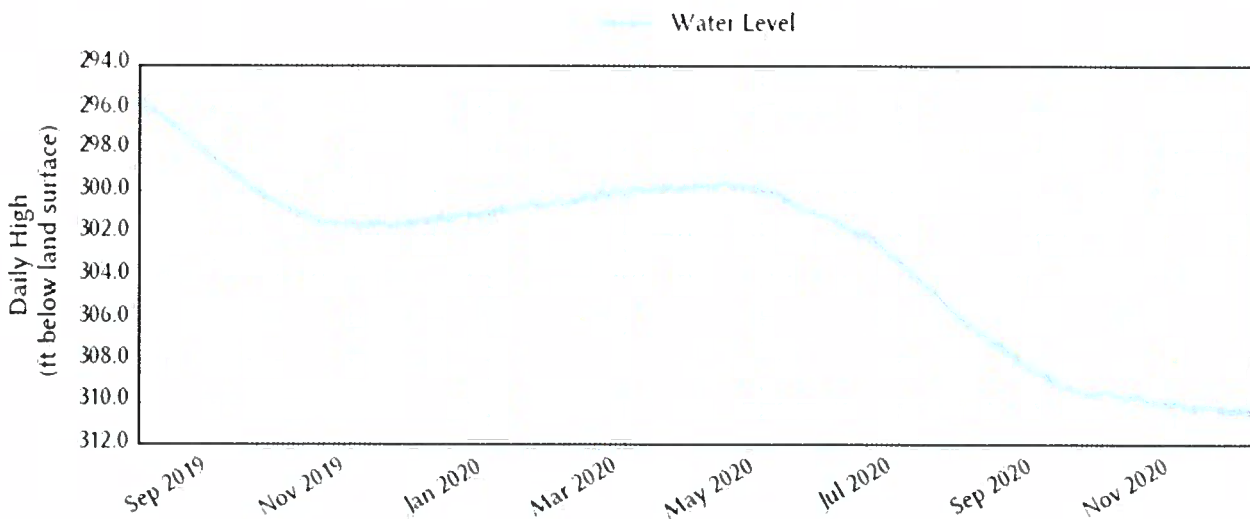
Last 30 Days



1 Year

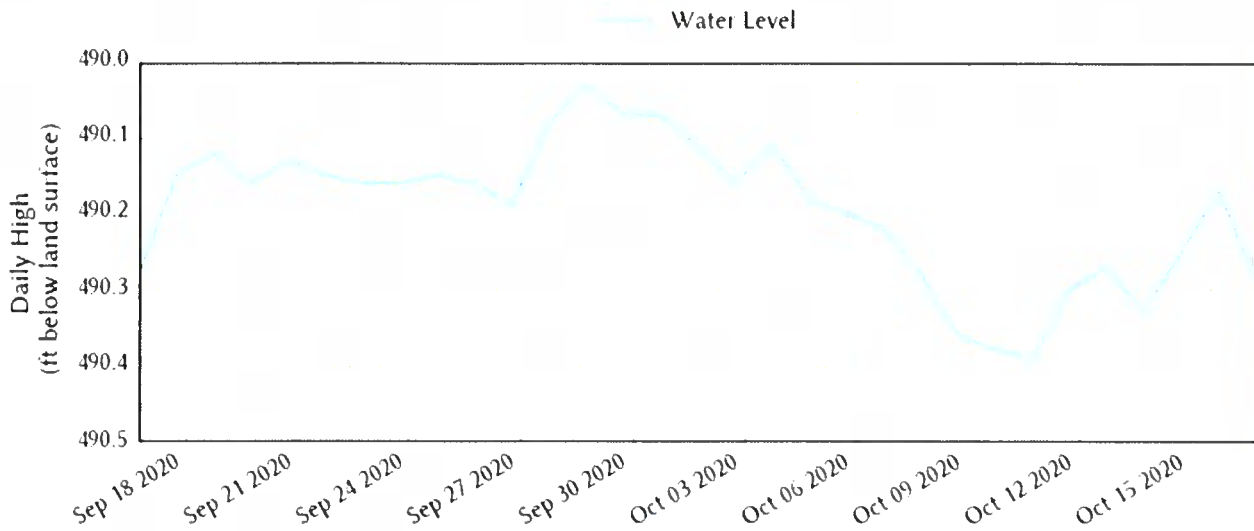


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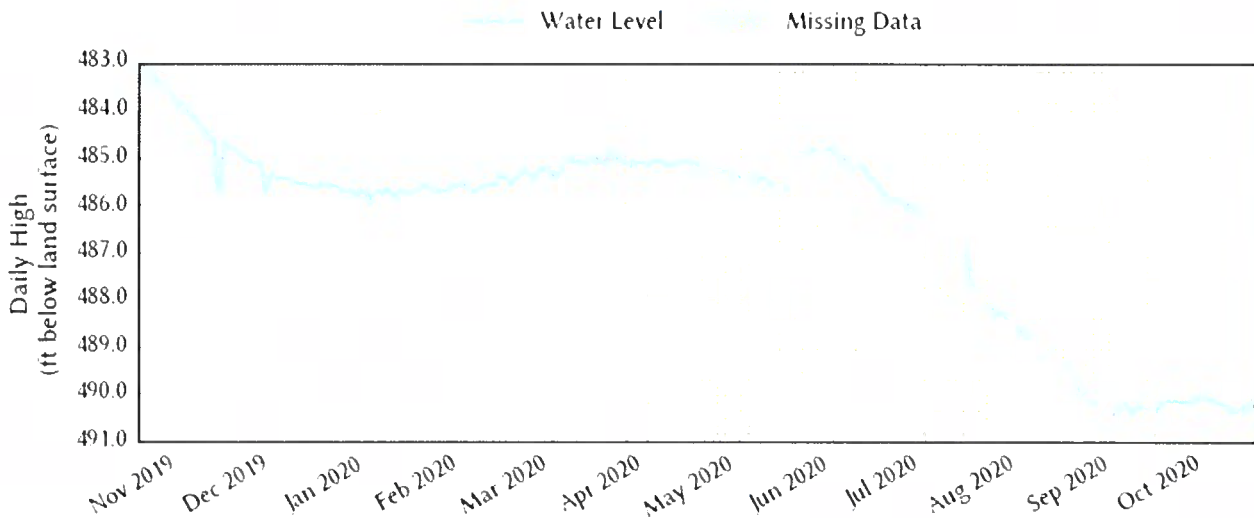


Continuous Monitoring Well # 4054701
(Temple - Cearley Well)
Lower Trinity Aquifer

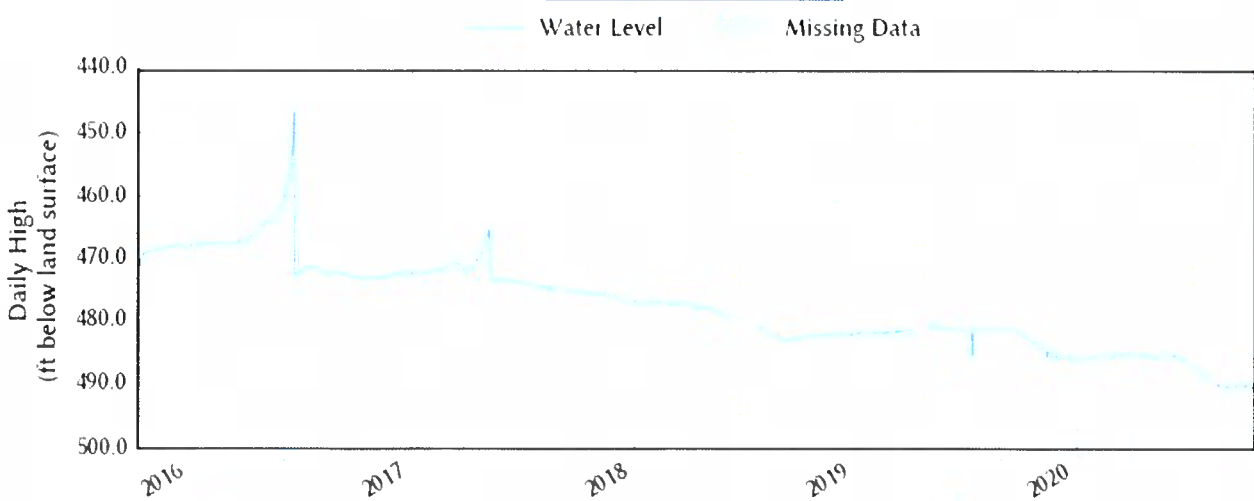
Last 30 Days



1 Year

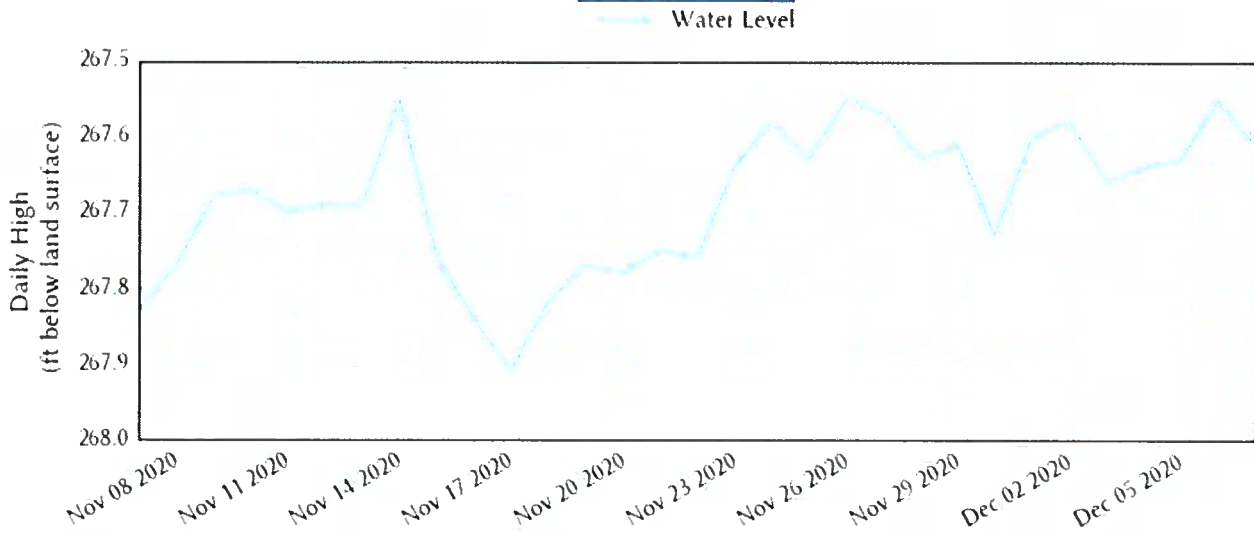


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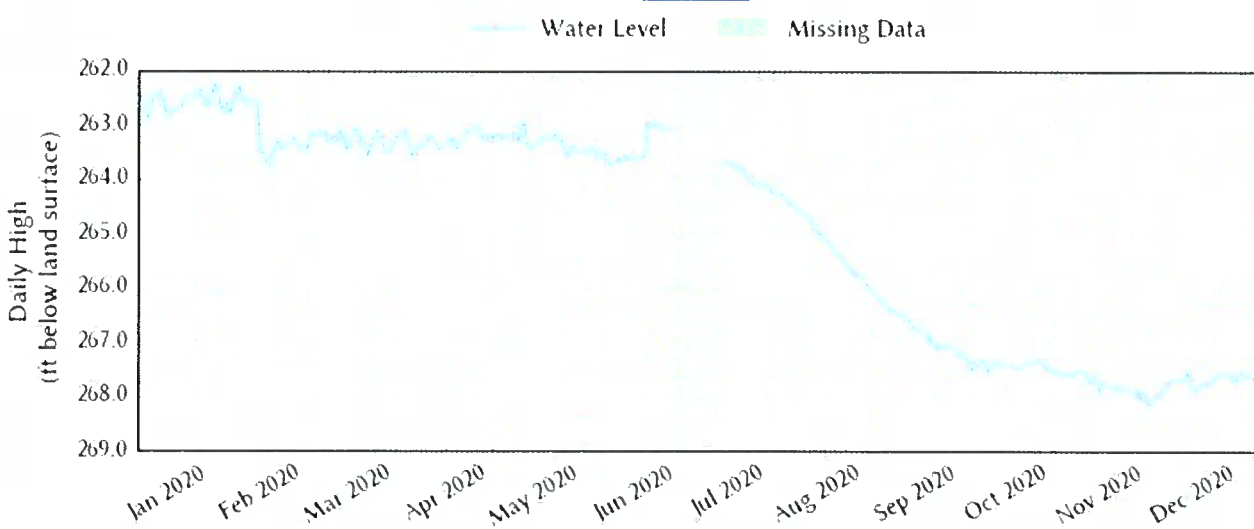


Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer

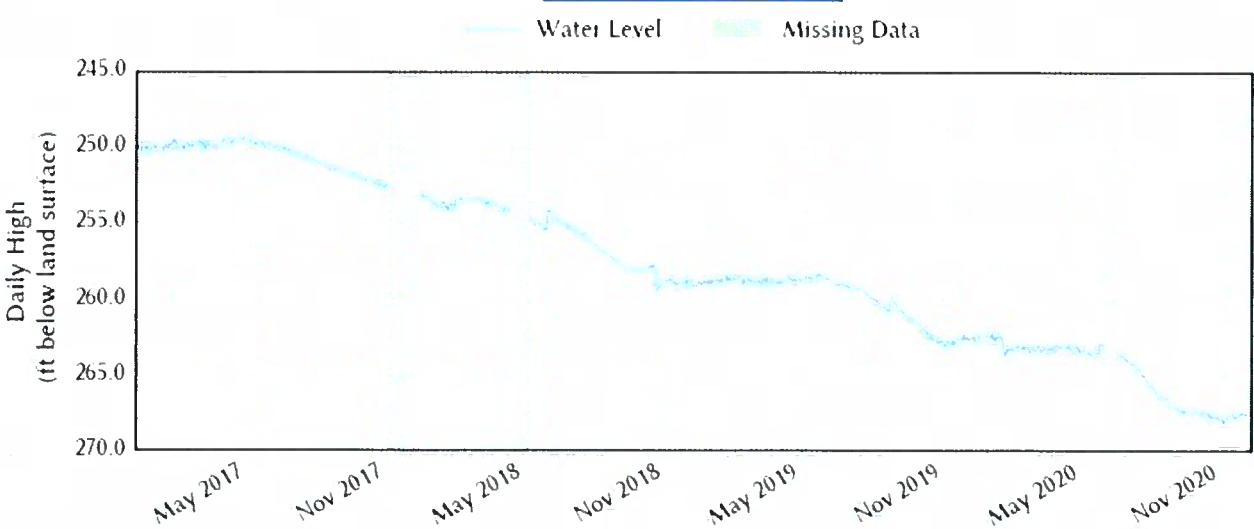
Last 30 Days



1 Year

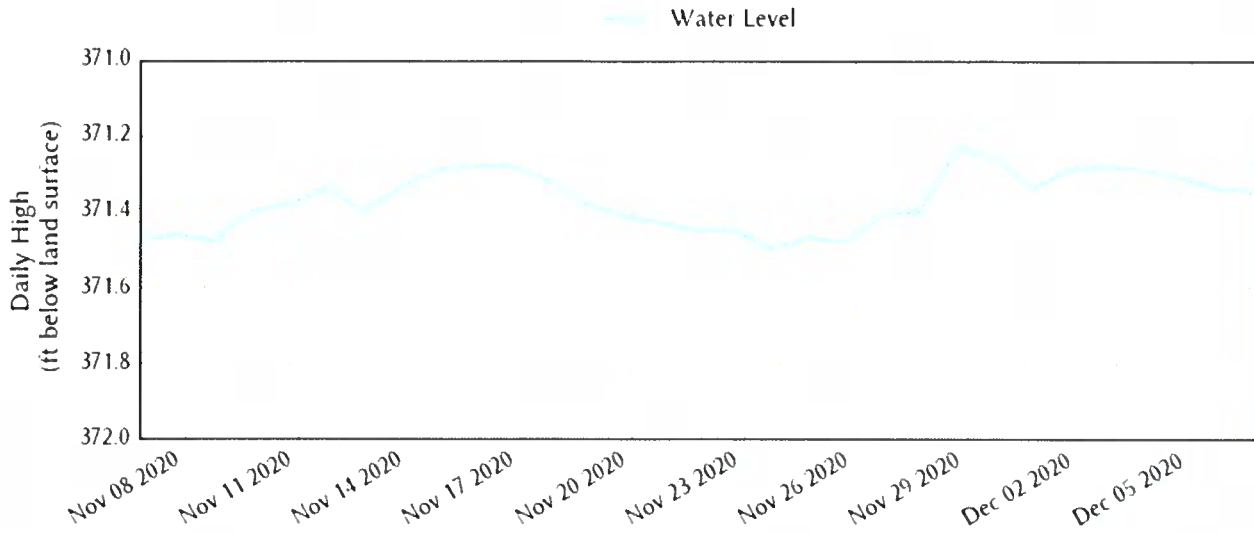


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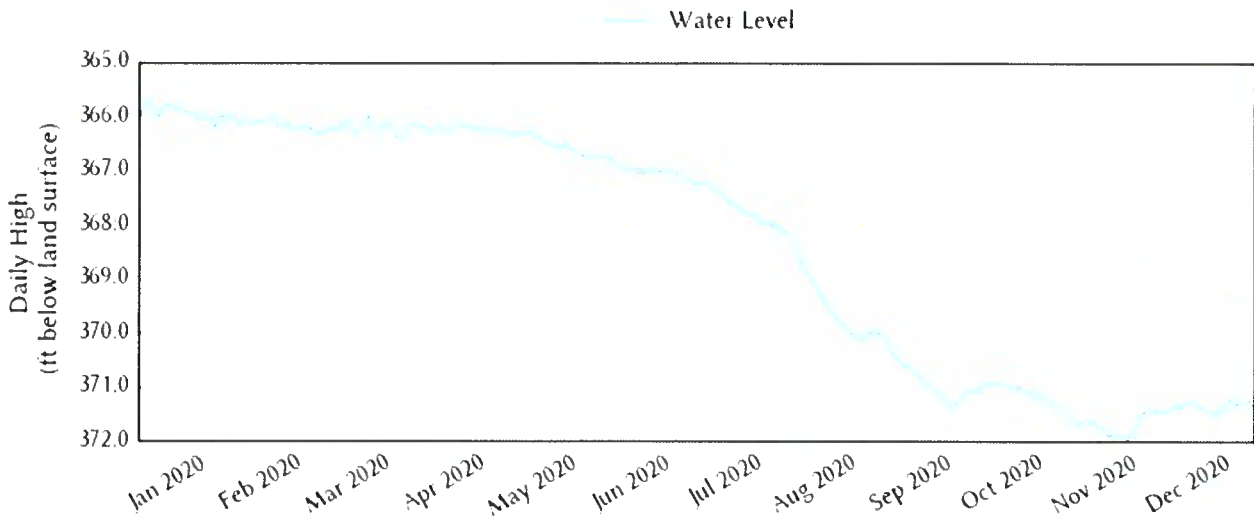


Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer

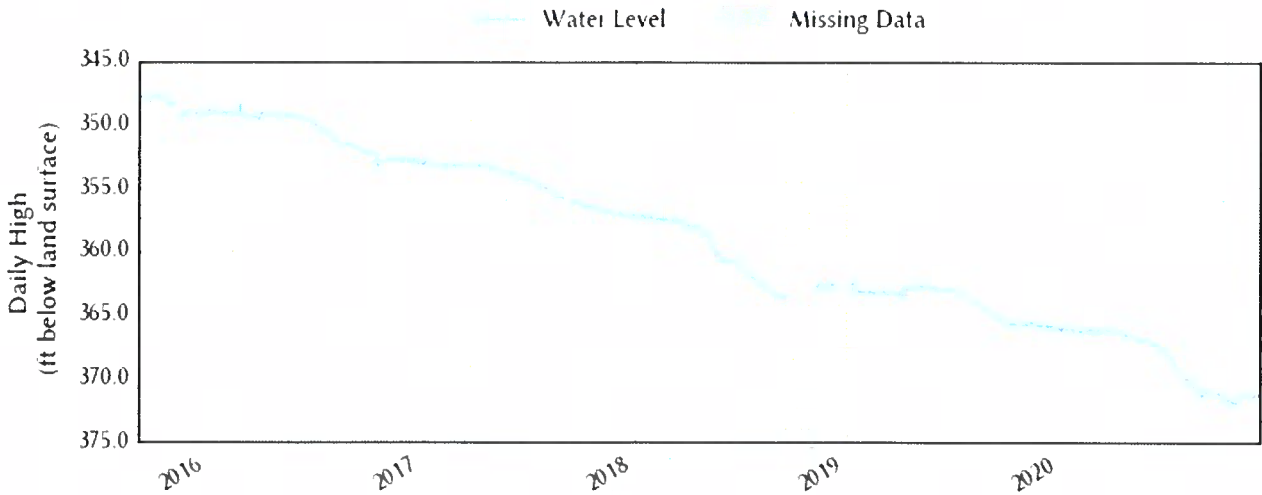
Last 30 Days



1 Year



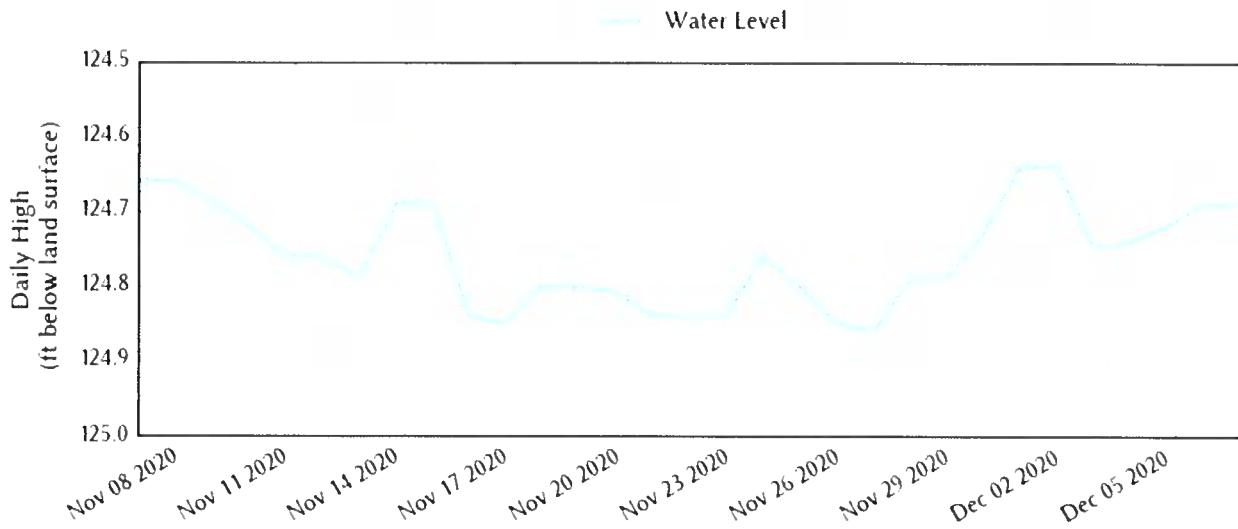
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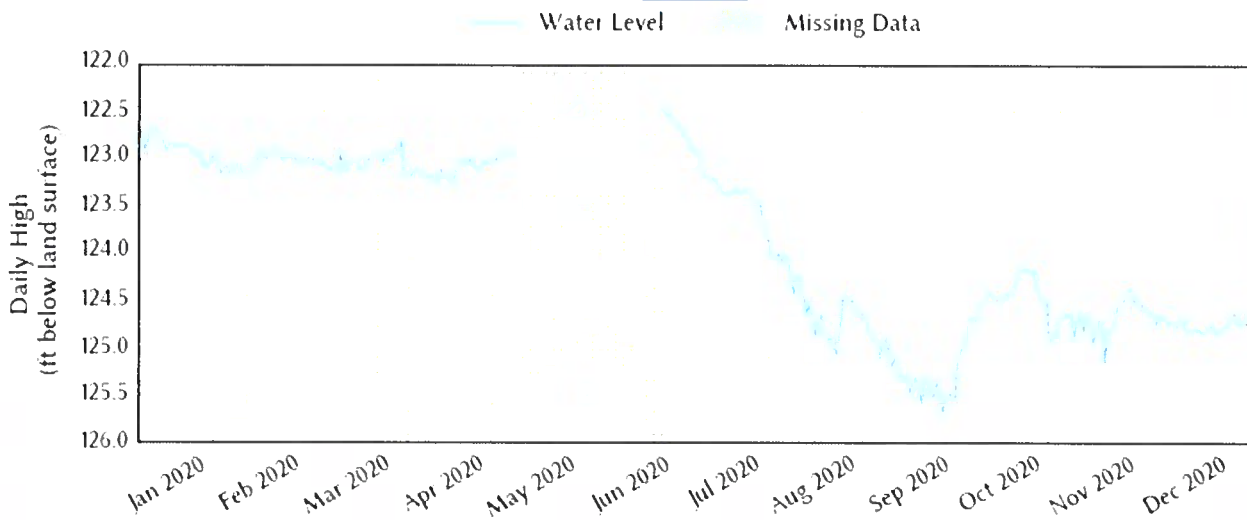
November 2020

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

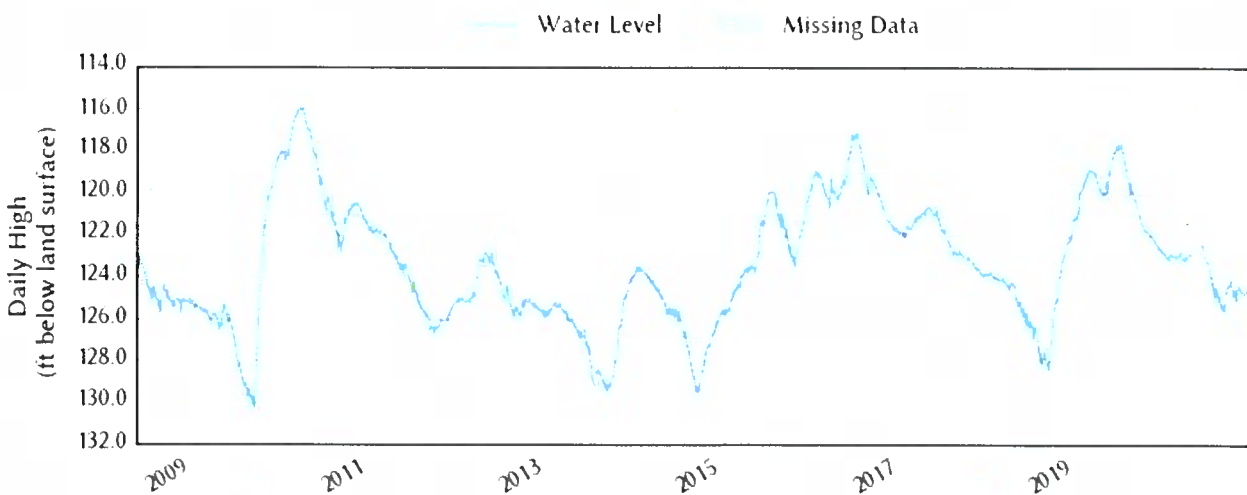
Last 30 Days



1 Year



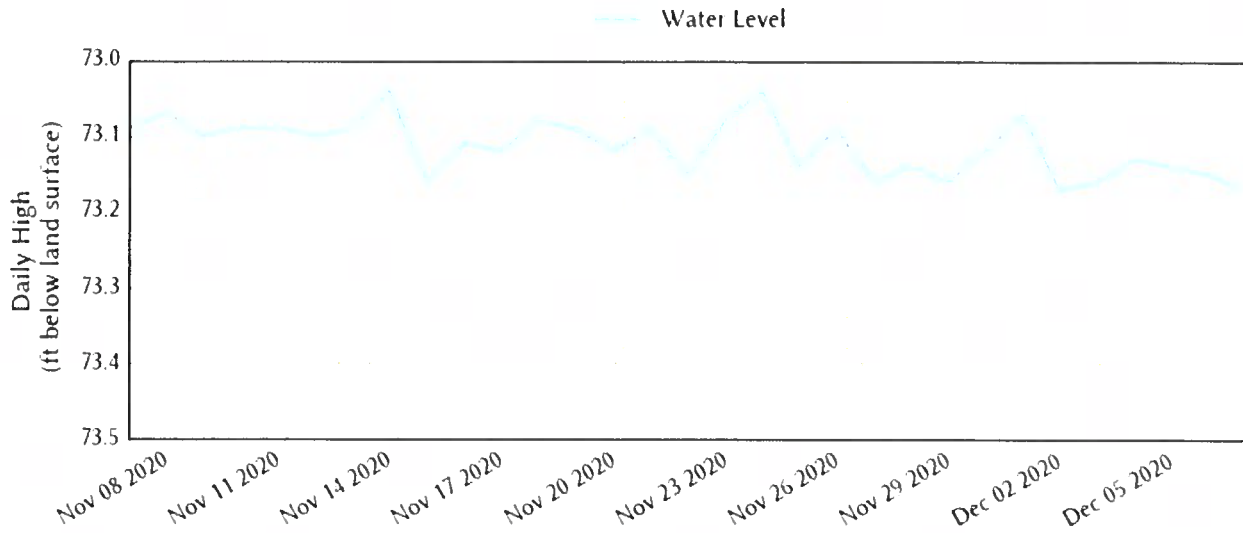
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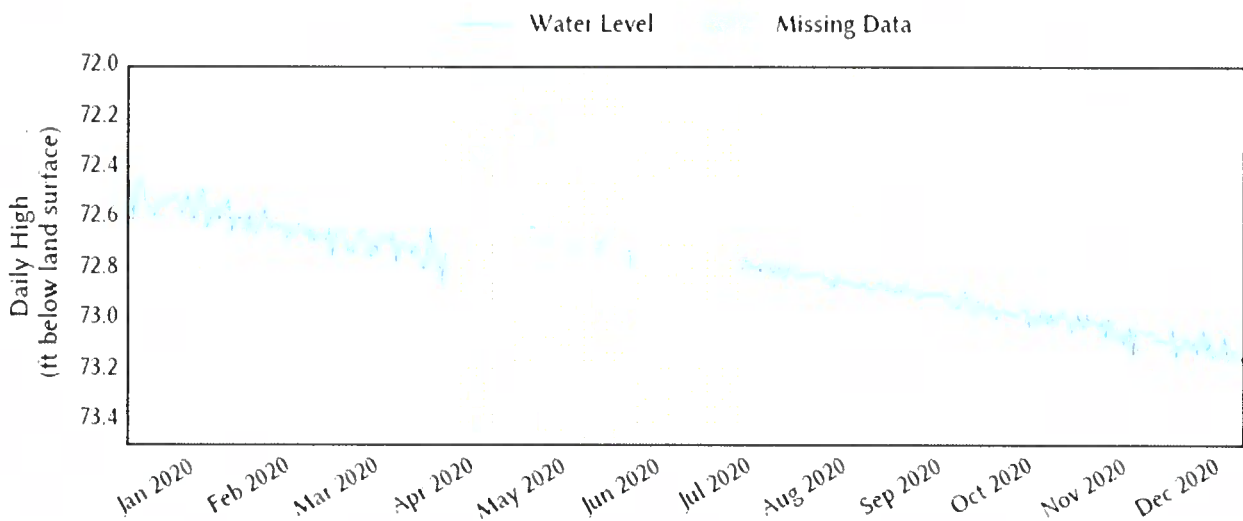
November 2020

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

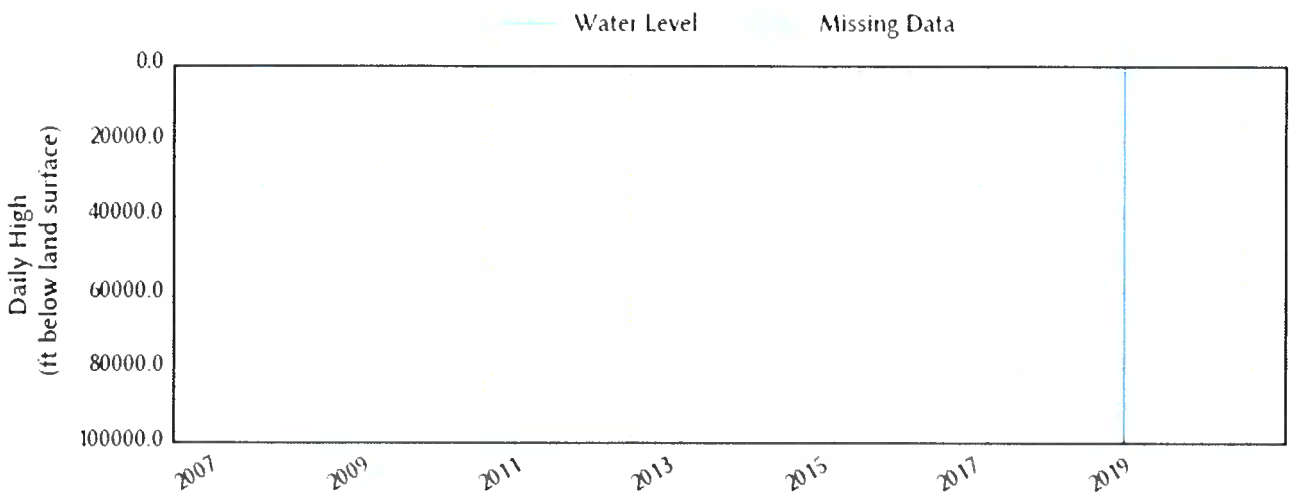
Last 30 Days



1 Year



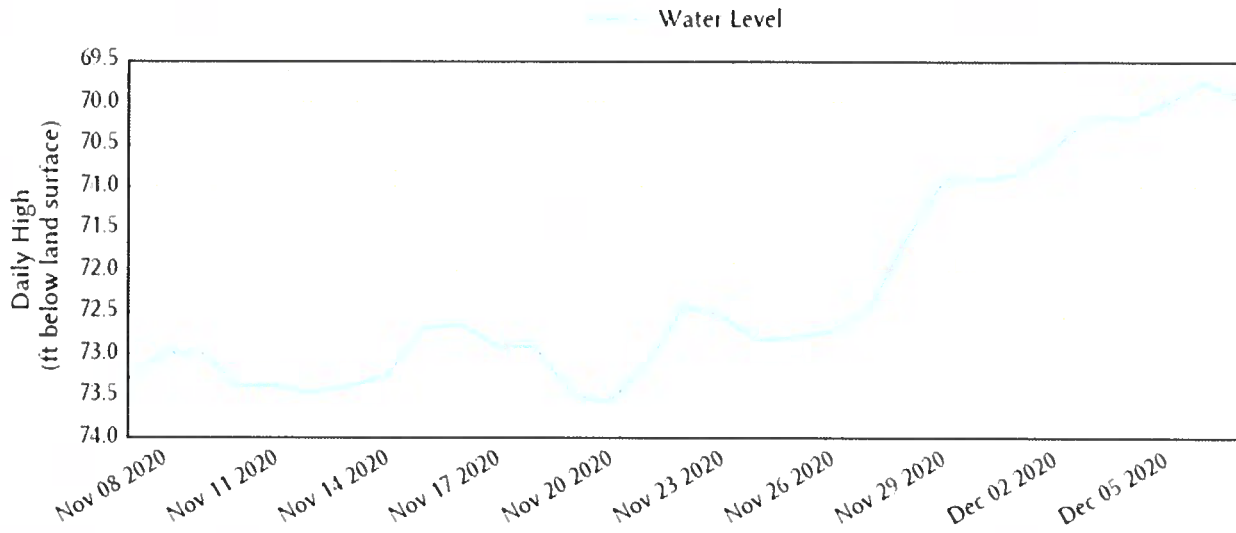
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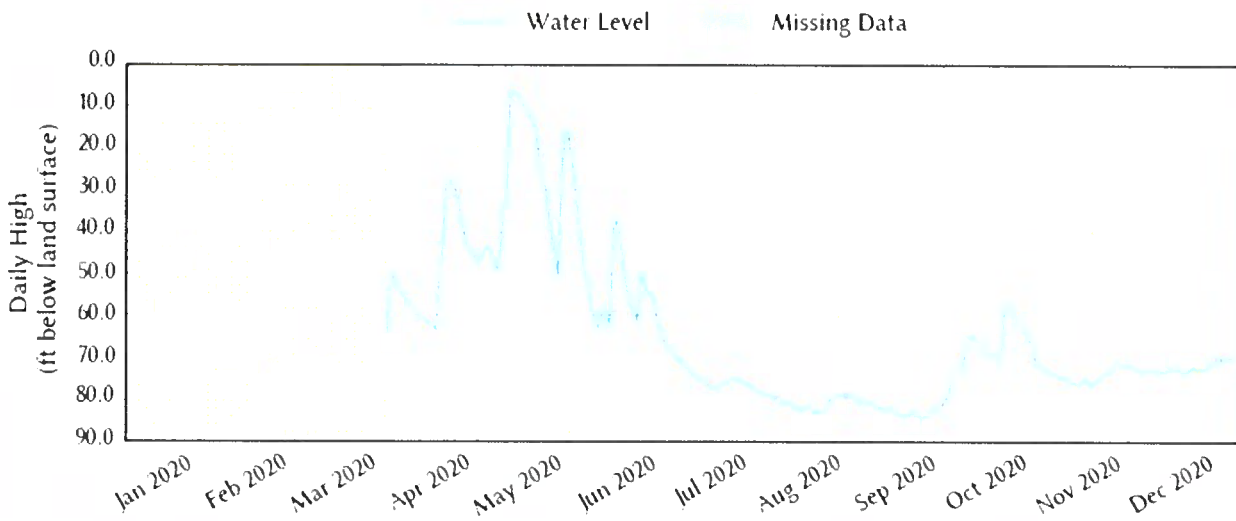
November 2020

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

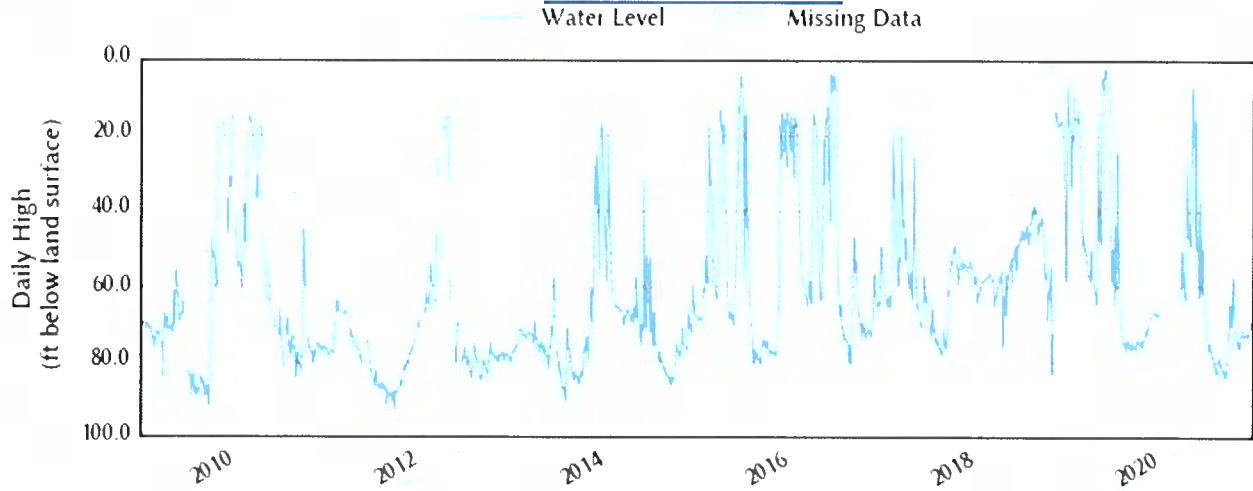
Last 30 Days



1 Year



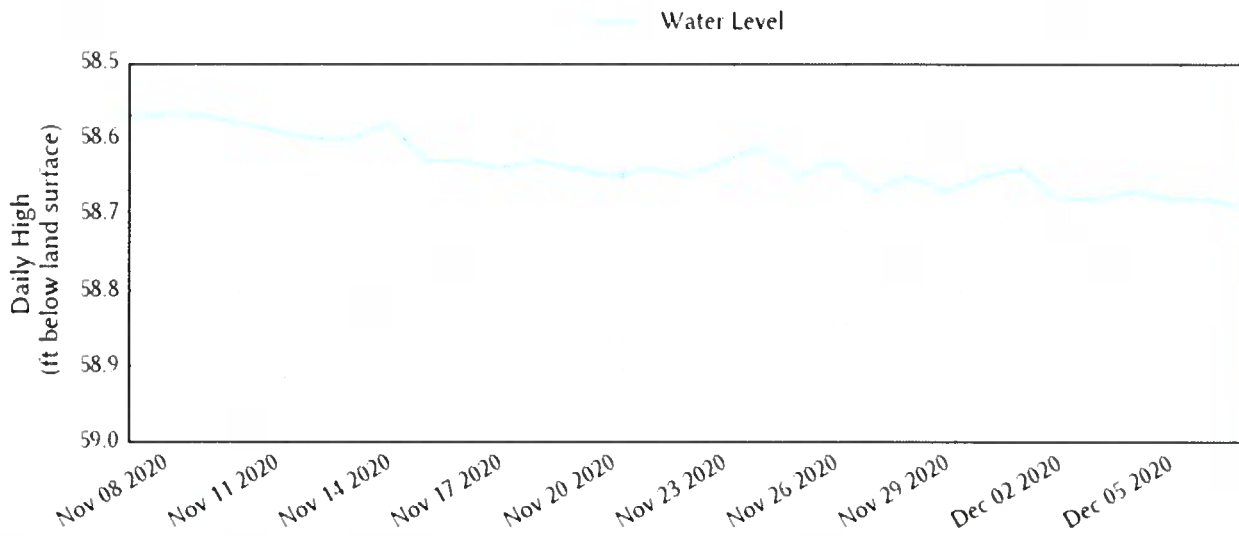
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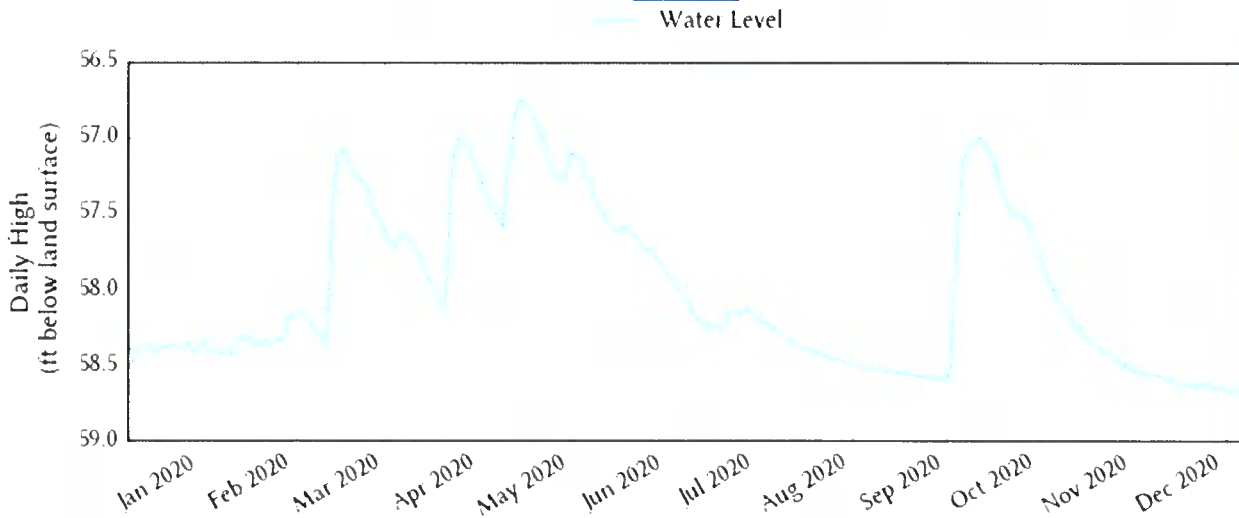
November 2020

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

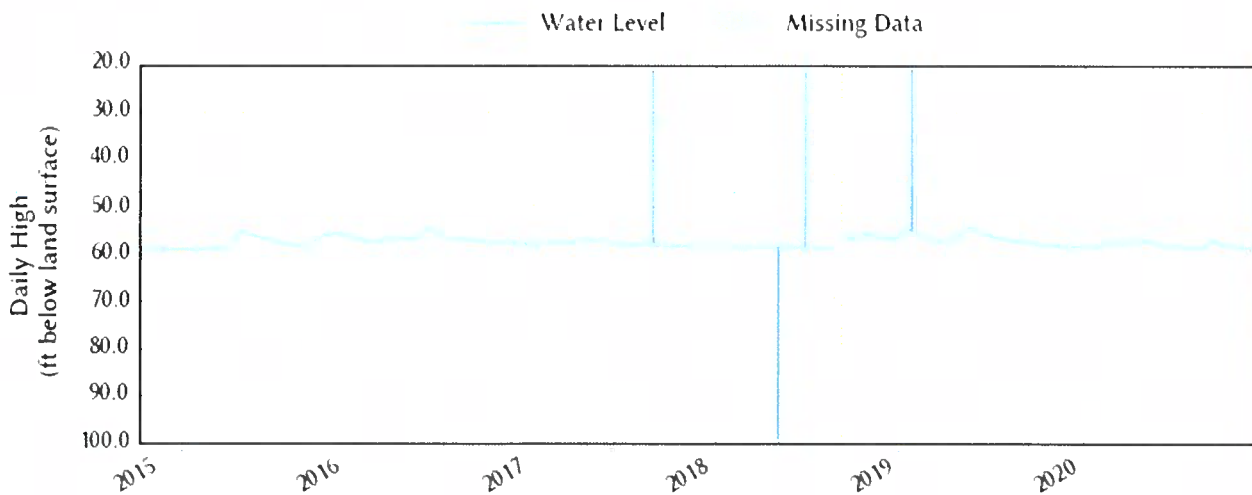
Last 30 Days



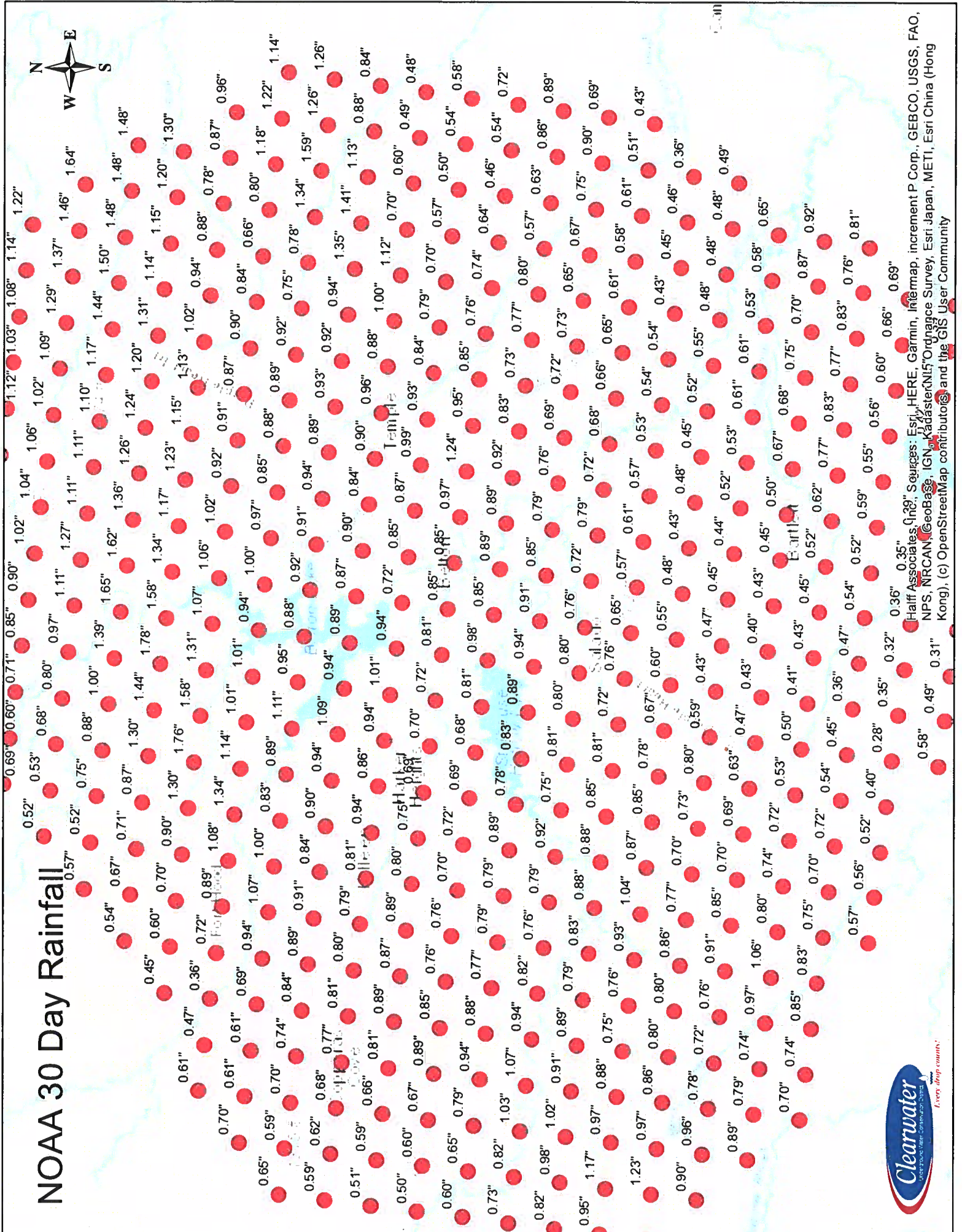
1 Year



Period Of Record

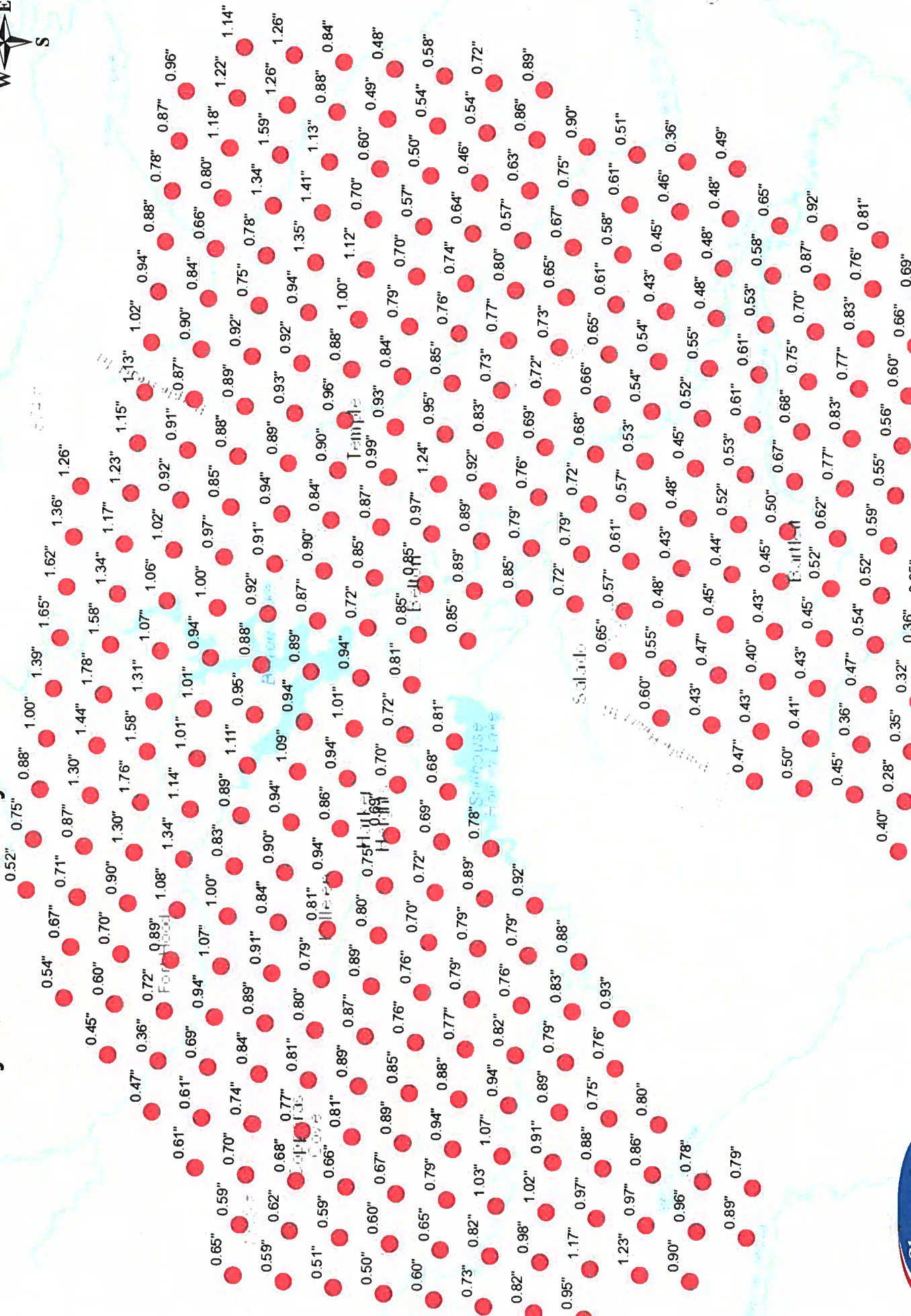


NOAA 30 Day Rainfall

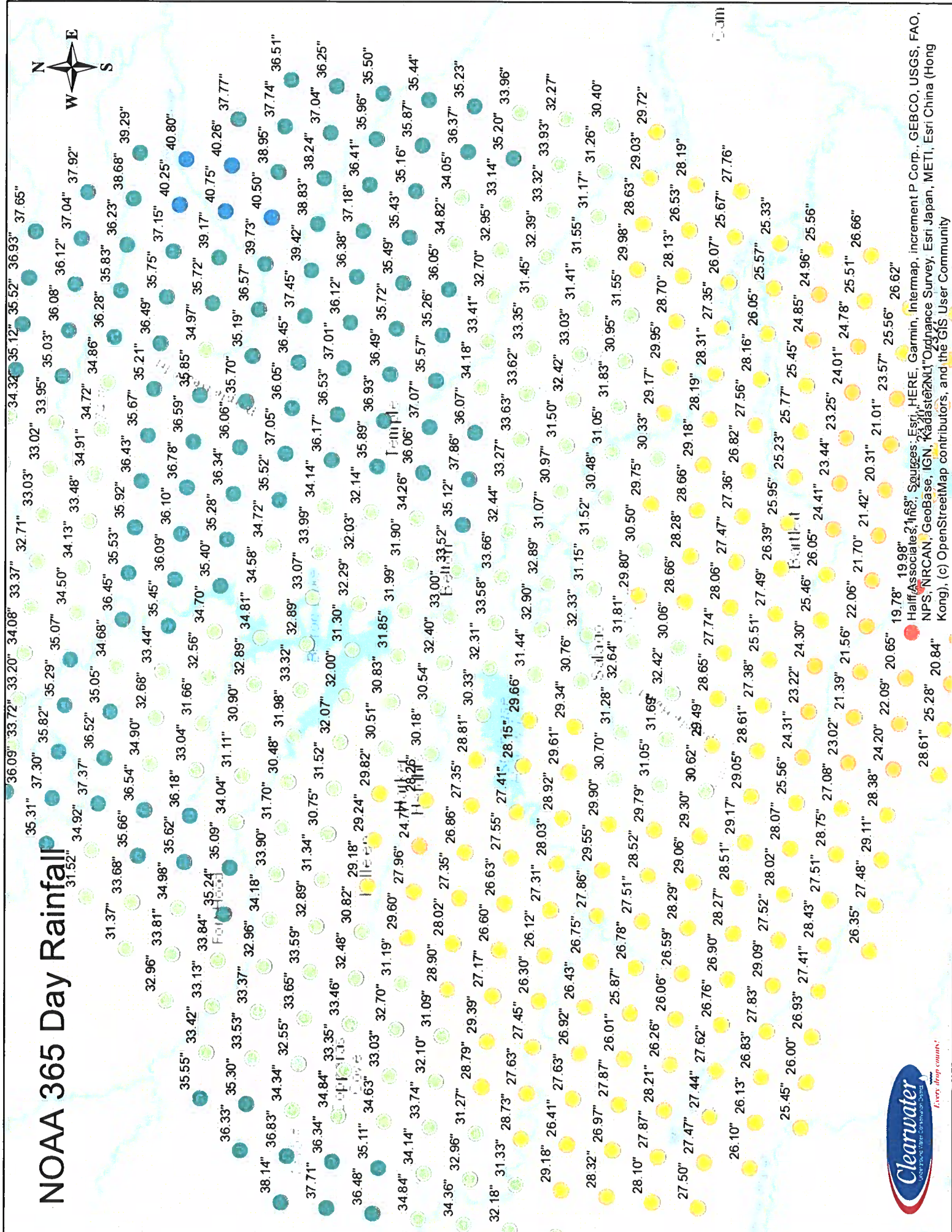


Clearwater
Every drop counts.
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Trinity



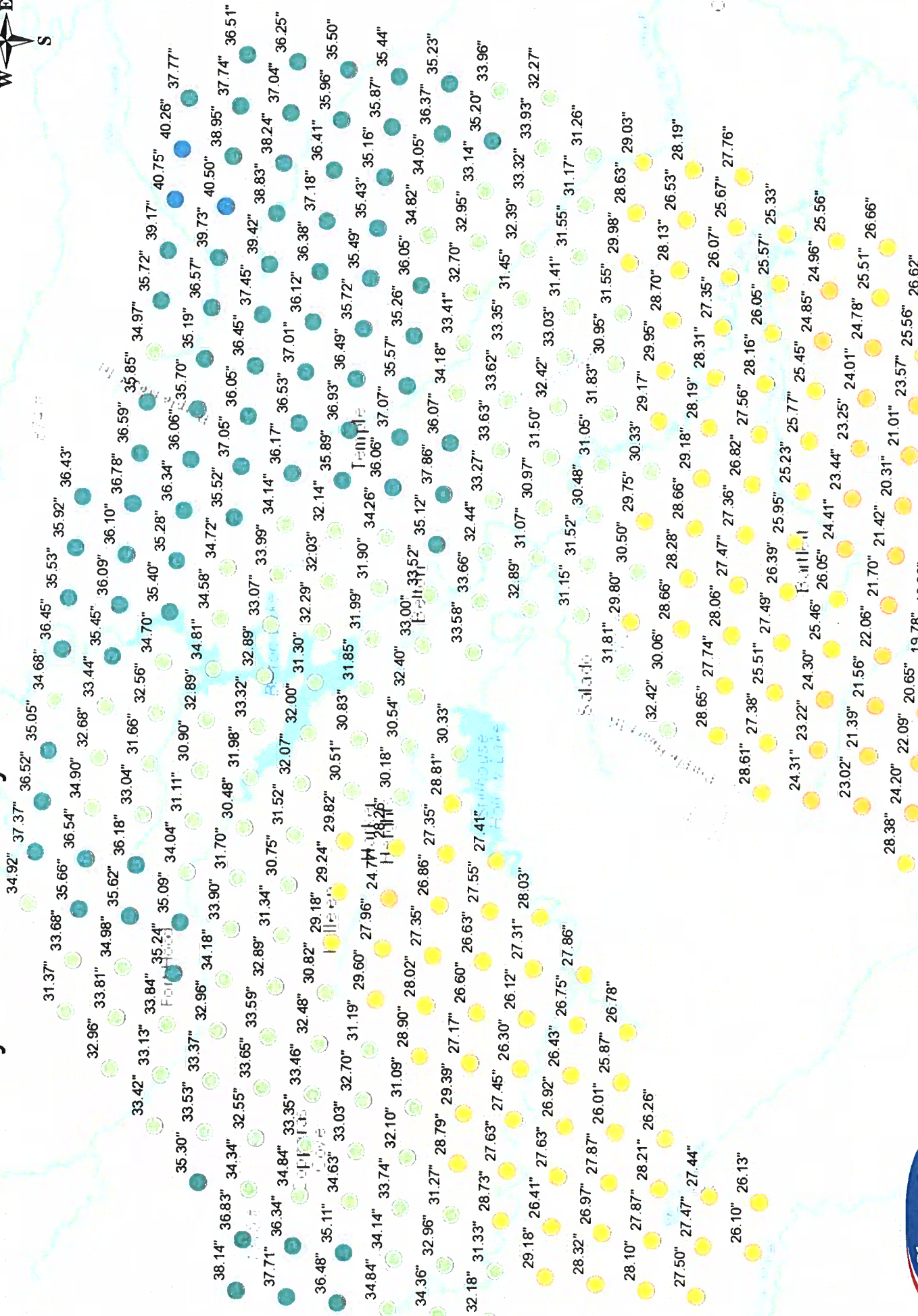
NOAA 365 Day Rainfall



19.78" 19.98" 19.98"
 Halif Associates, Inc. HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO,
 NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong
 Kong), (c) OpenStreetMap contributors, and the GIS User Community

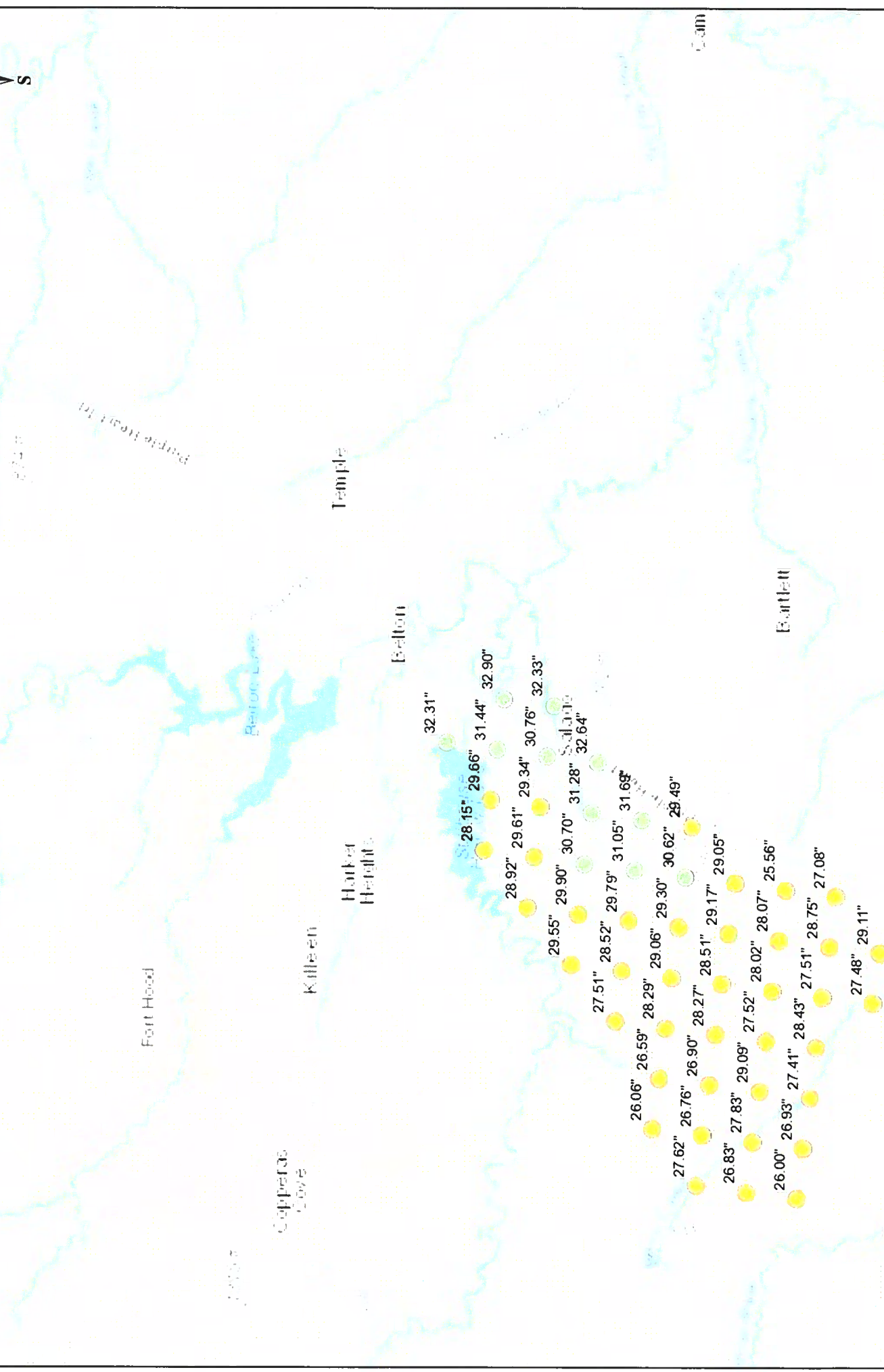
28.61" 25.28" 20.84"

NOAA 365 Day Rainfall - Trinity



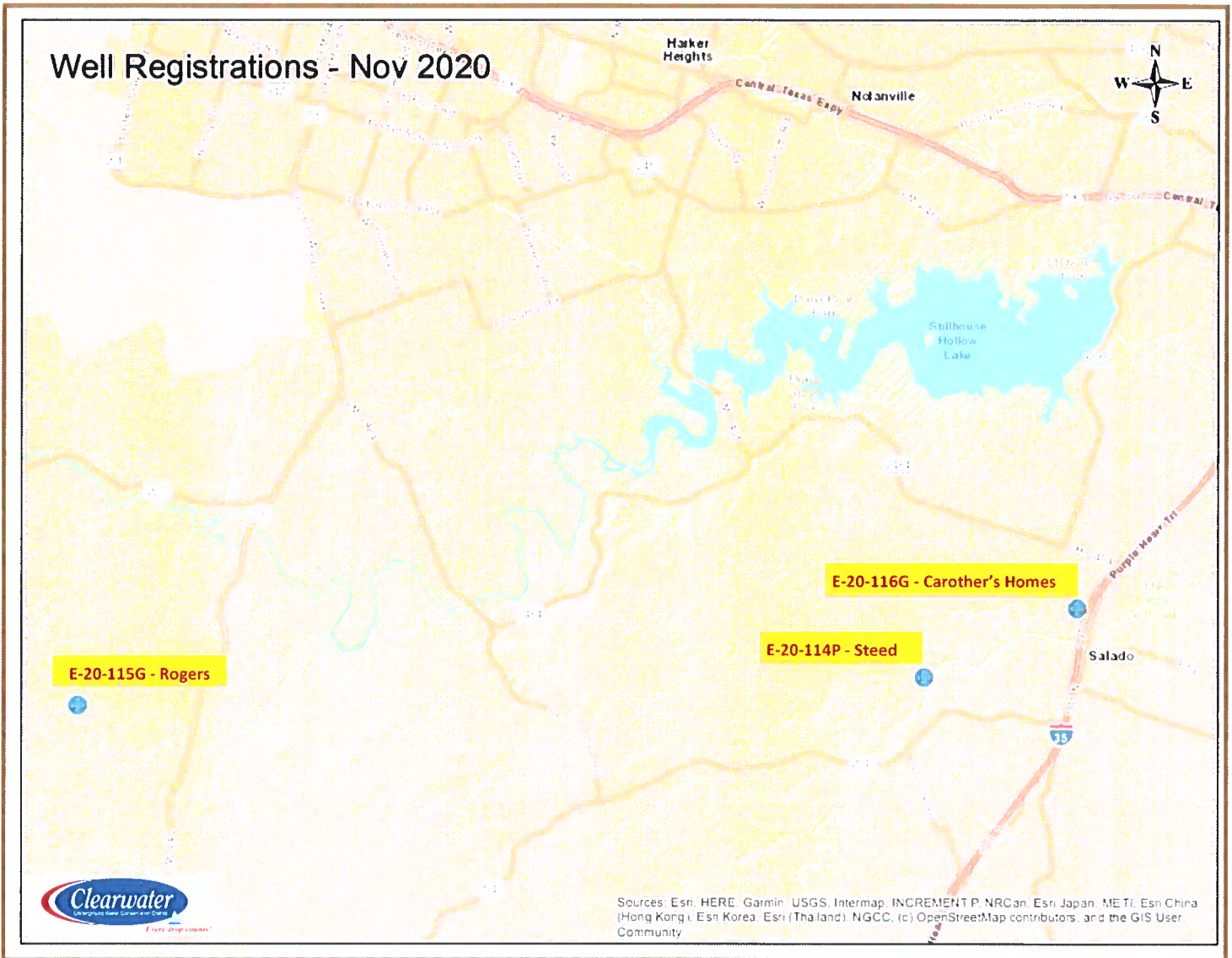
Halifi Associates, LLC Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall - Edwards



Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Proposed New Wells - November 2020



Well #	Name	Address	City	Aquifer	Depth	Use	Status
E-20-114P	Will Steed	1233 Hidden Park Court	Salado	Undeclared	870	Domestic	Proposed
E-20-115G	Patricia Rodgers	3424 Briggs Rd	Killeen	Undeclared	490	Domestic	Active
E-20-116GU	Carothers's Homes	50 S Wheat Road	Belton	Undeclared	?	Domestic	Inactive
N2-20-007G	Victory Rock						Pending

Well Registration Totals

Year	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002 - 2019	4352	1013	104	33	52	25	121	5700
2020 - Jan	4	1	0	0	0	0	0	5
Feb	0	4	0	1	1	0	0	6
Mar	0	0	0	0	4	1	0	5
Apr	60	2	0	0	0	0	0	62
May	0	10	0	0	0	0	0	10
June	1	5	0	0	0	0	0	6
July	1	5	0	1	0	0	0	7
Aug	1	5	1	0	0	0	0	7
Sept	1	8	0	0	0	0	0	9
Oct	1	3	0	0	0	0	0	4
Nov	2	1	0	0	1	0	0	4
Dec								0
Total 2020	71	44	1	2	6	1	0	125
Totals	4423	1057	105	35	58	26	121	5825

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002-Present	4423	1057	105	35	58	26	121	5825
Never Drilled	N/A	-27	N/A	-3	-4	0	-1	-35
Plugged	-203	-42	-18	-2	-1	-2	-53	-321
Totals	4220	988	87	30	53	24	67	5469