



Clearwater Underground Water Conservation District

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www.cuwcd.org

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Gary Young

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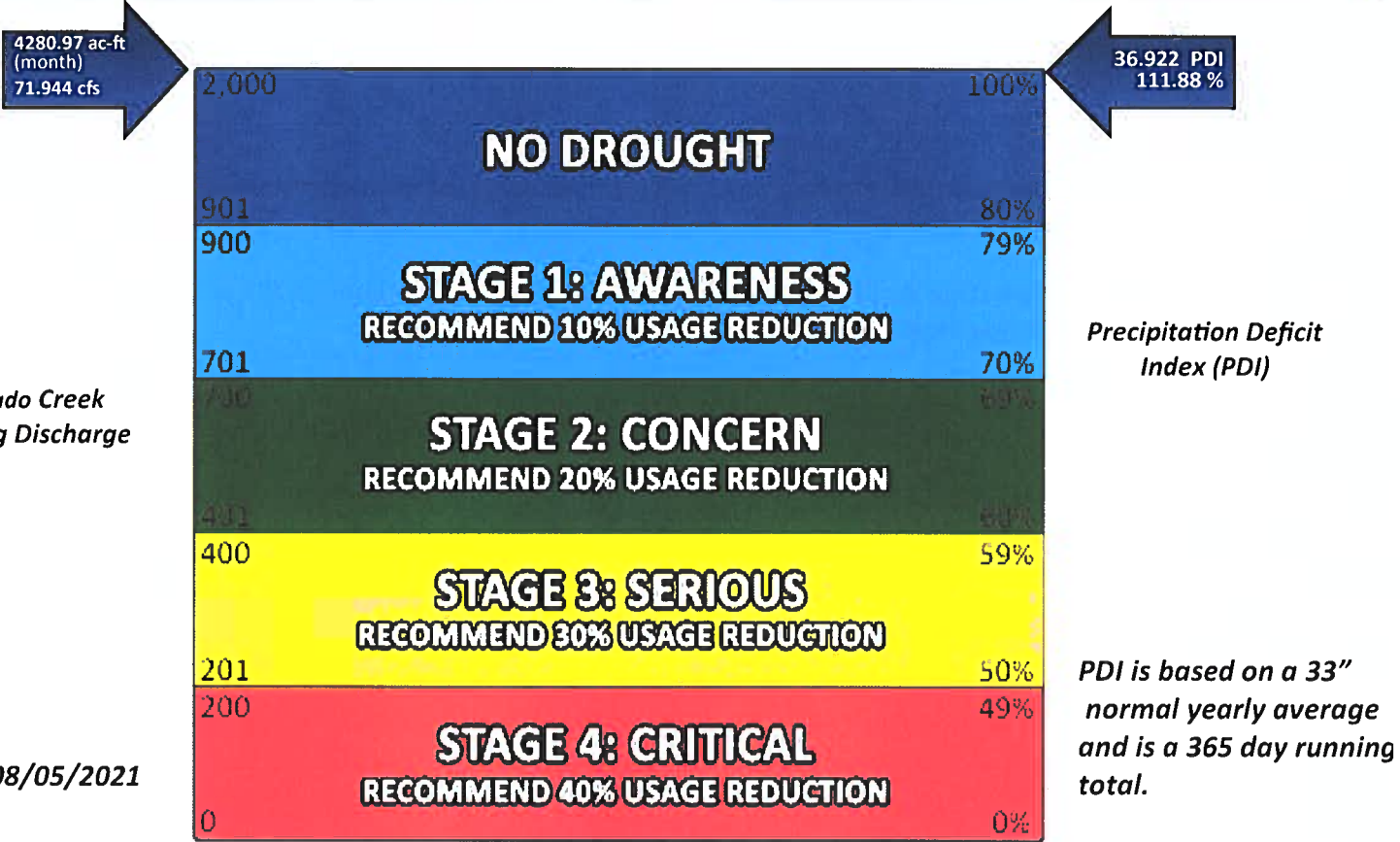
Clearwater Staff Reports

August 11, 2021

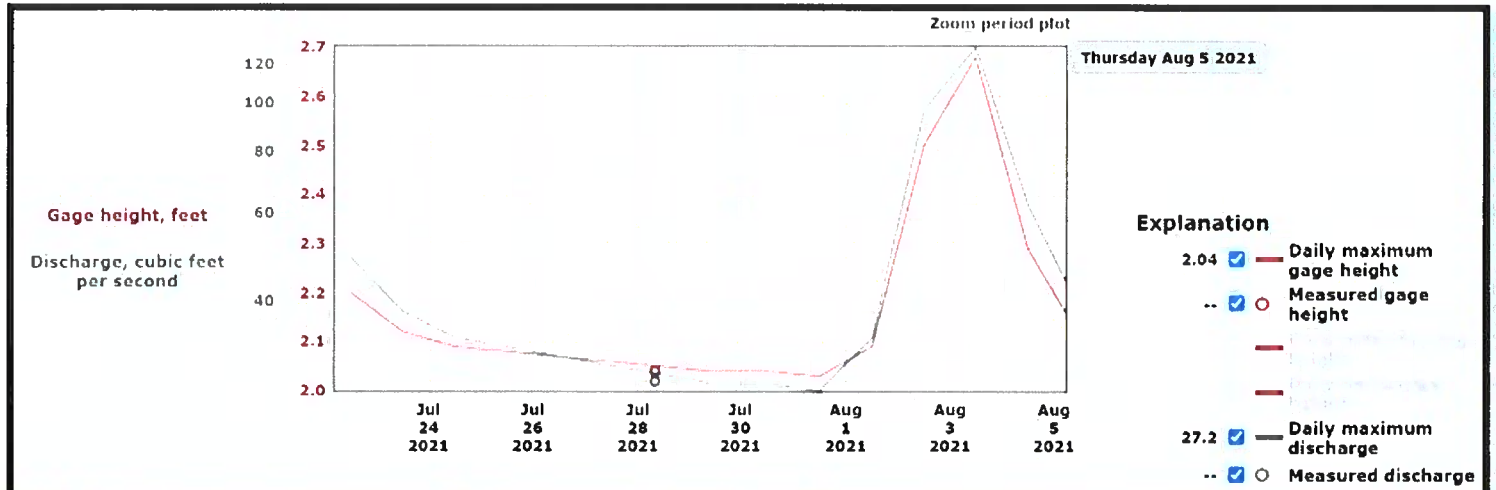
1. Drought Status
2. Educational Outreach Update
3. Monitoring Wells
4. Rainfall/Drought Conditions
5. Well Registrations
6. Non-Exempt Monthly Well Production

Edwards BFZ Aquifer—Drought Status Report

NO DROUGHT

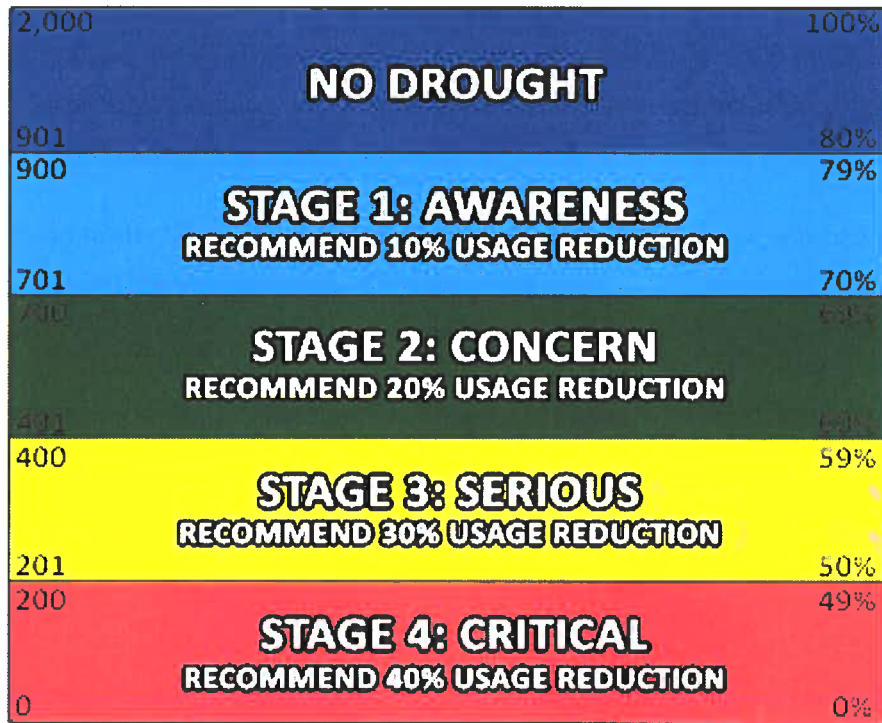


USGS 08104300 Salado Ck at Salado, TX



Trinity Aquifer—Drought Status Report

NO DROUGHT

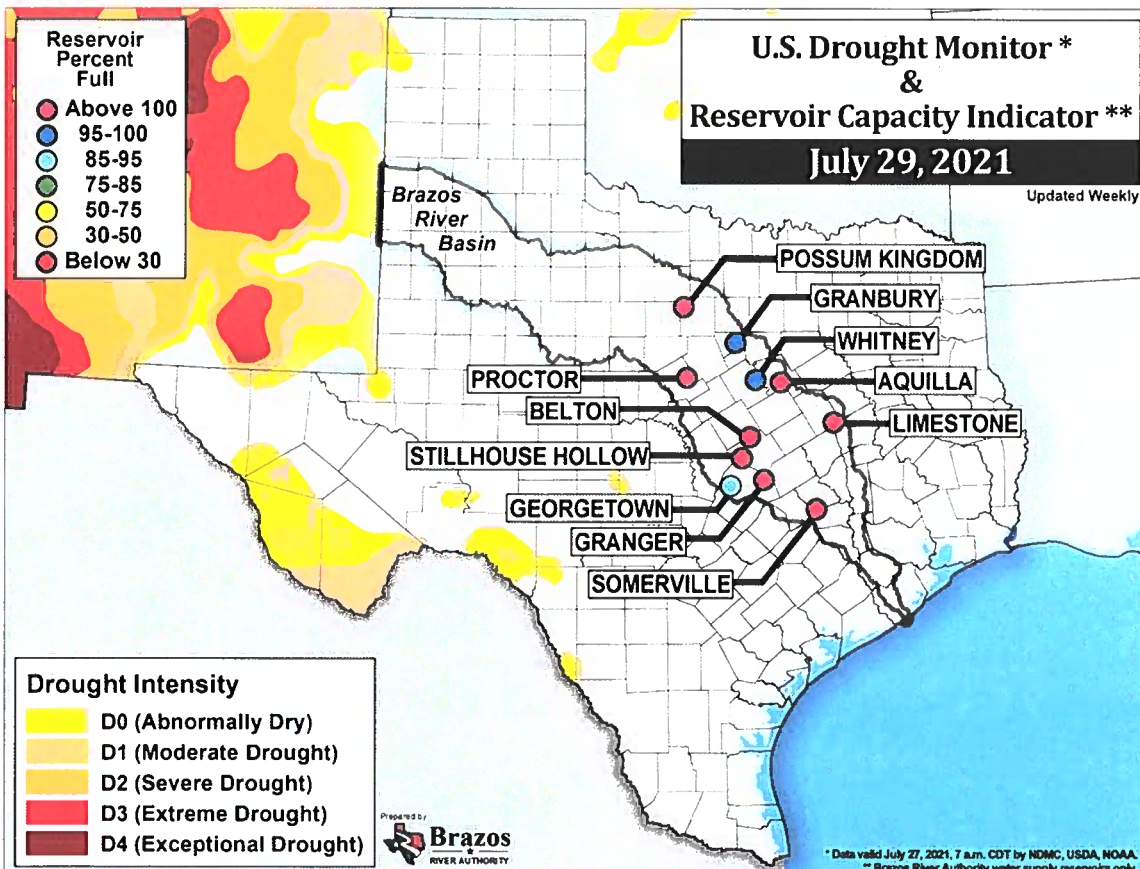


37,579 PDI
113.87 %

Precipitation Deficit Index (PDI)

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

AS OF 08/05/2021





Education Outreach Highlights 8/11/21

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 15 - Staff to presented at Leadership Central Texas. 18 participants were in attendance.
- July 24 - 4-H2O Water Ambassador, Sarah Wood, presented at the Morgan's Point Mary Ruth Briggs Library summer reading program using CUWCD's enviroscape.
- July 31 - 4-H2O Water Ambassador, Sarah Wood, presented at the Morgan's Point Mary Ruth Briggs Library summer reading program using CUWCD's rainfall simulator.
- August 14 – Staff to host education trailer in conjunction with 4-H2O Water Ambassador, Sarah Wood, at Morgan's Point Mary Ruth Briggs Library summer reading program.

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.

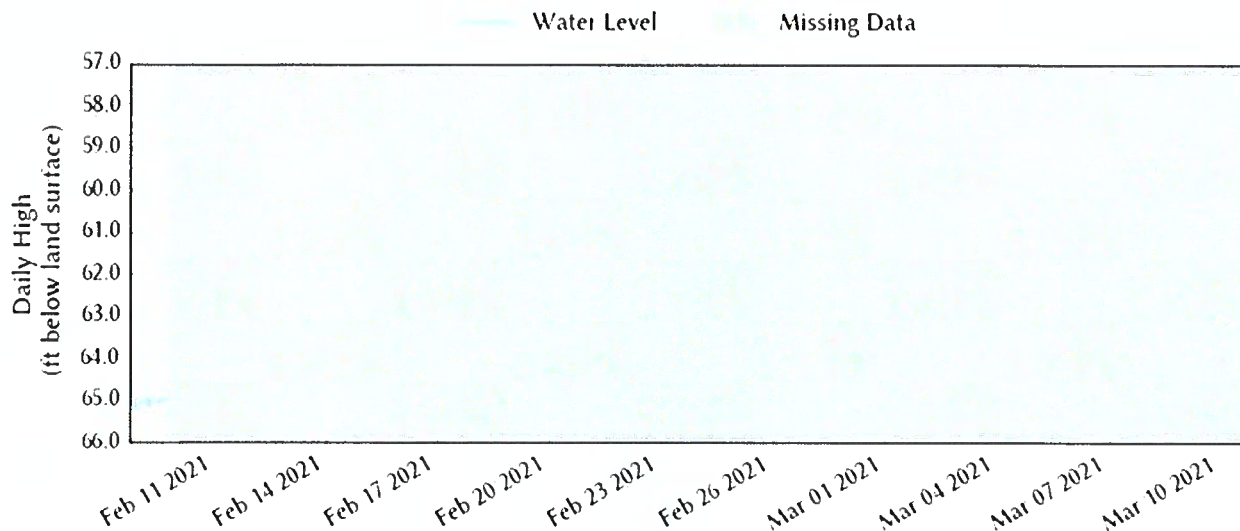
4. Improve Annual Reporting accuracy and timeliness per State mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).

- 2020 Annual Report was approved by the Board on April 14, 2021.
- The Annual Newsletter was mailed on January 4, 2021.

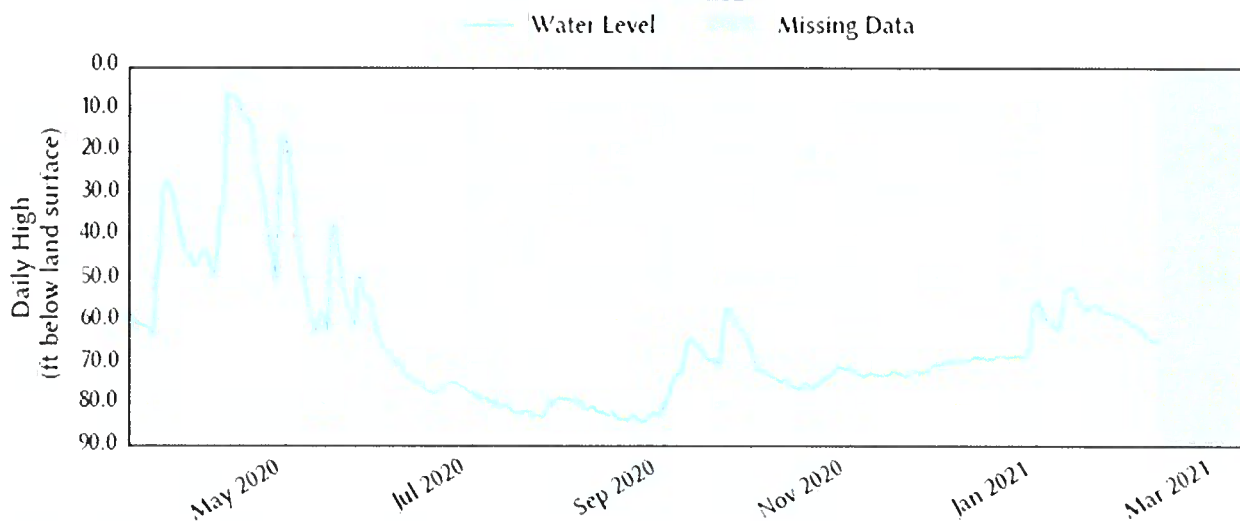
August 2021

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

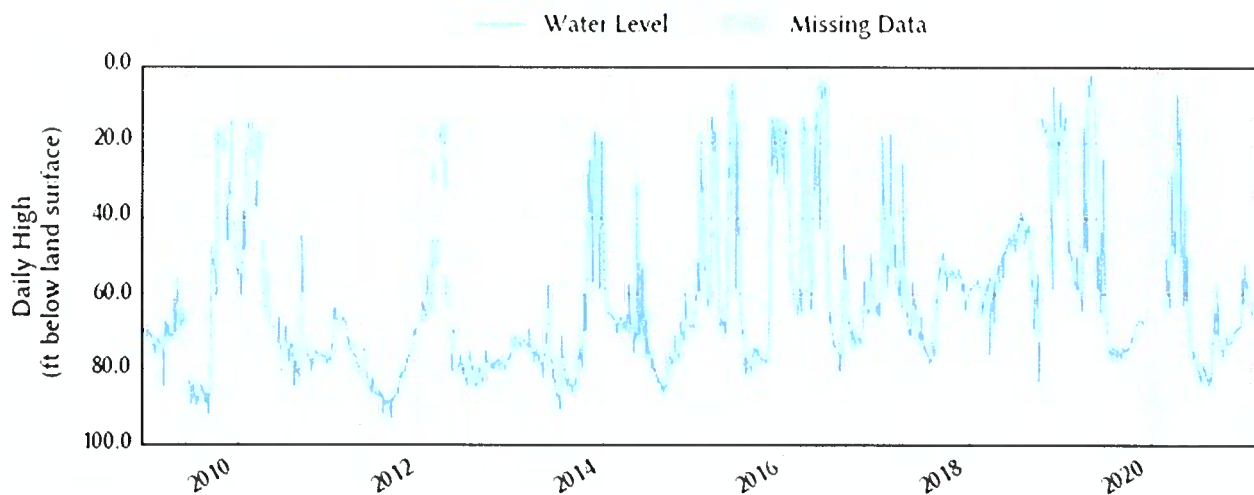
Last 30 Days



1 Year



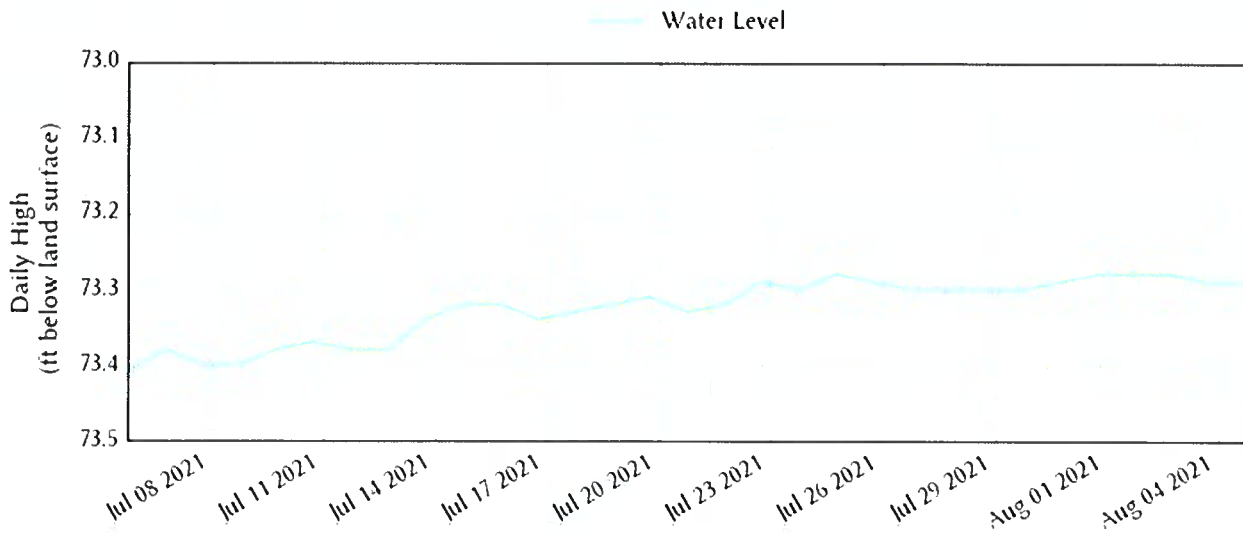
Period Of Record



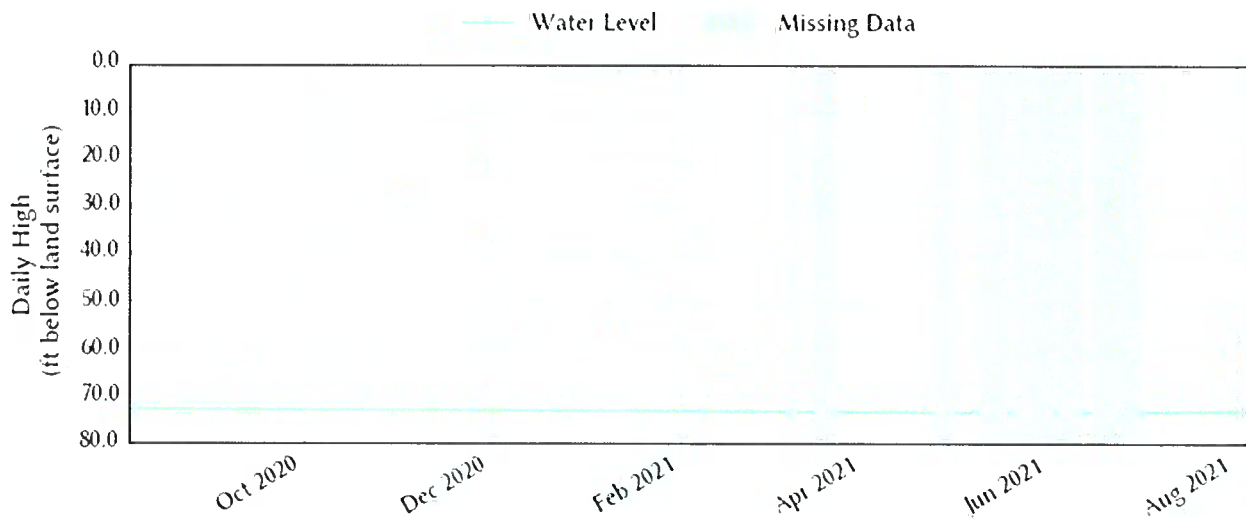
August 2021

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

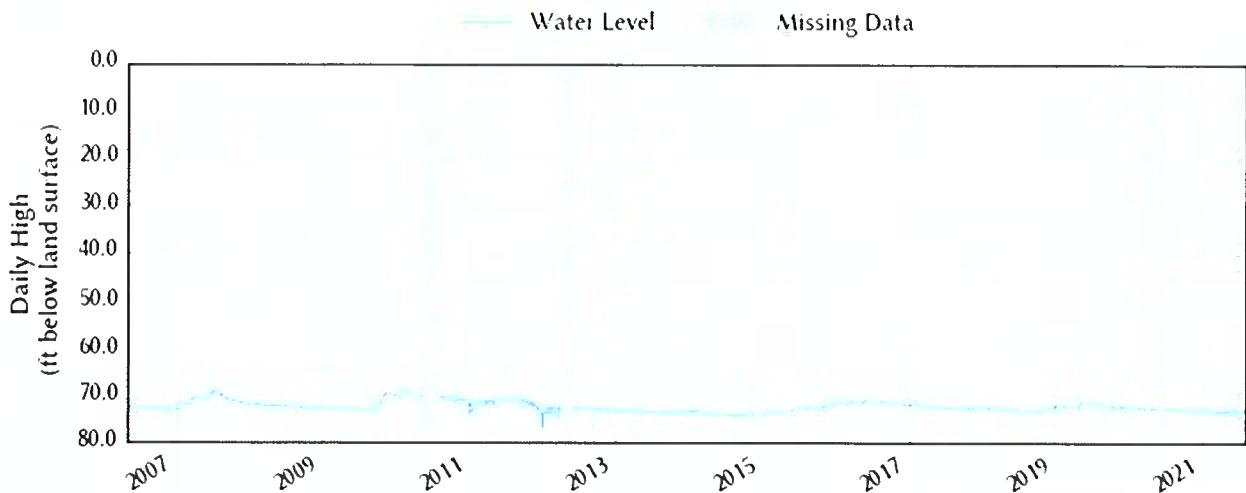
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1 Year



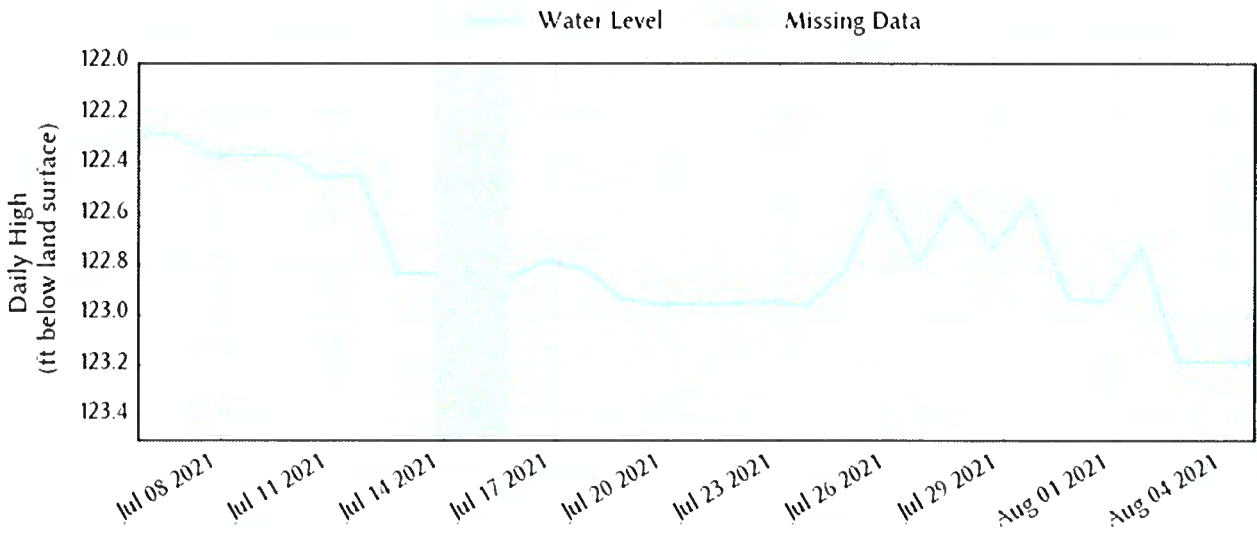
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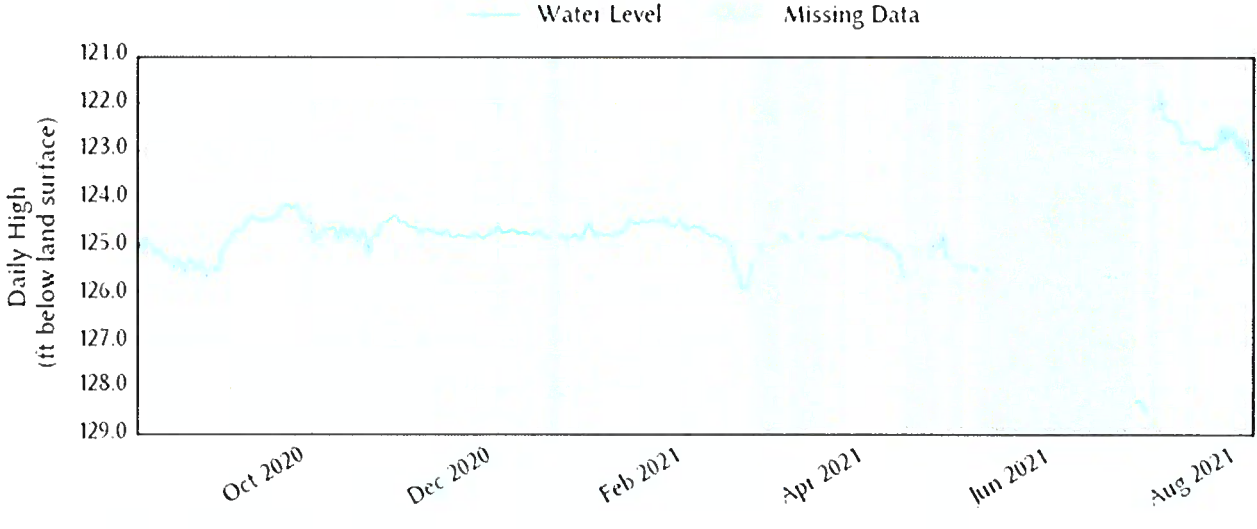
August 2021

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

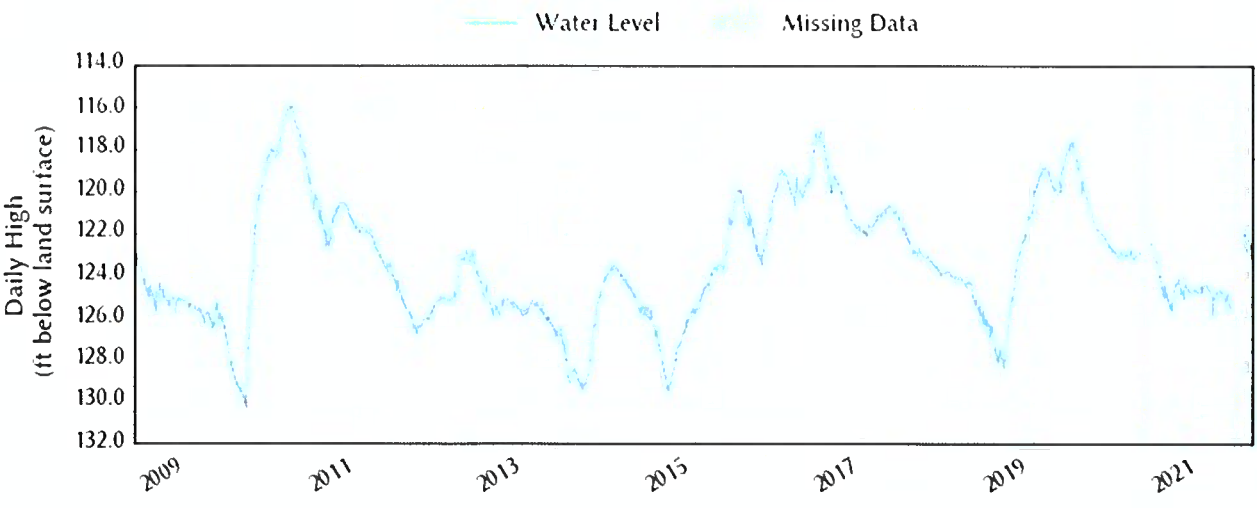
Last 30 Days



1 Year



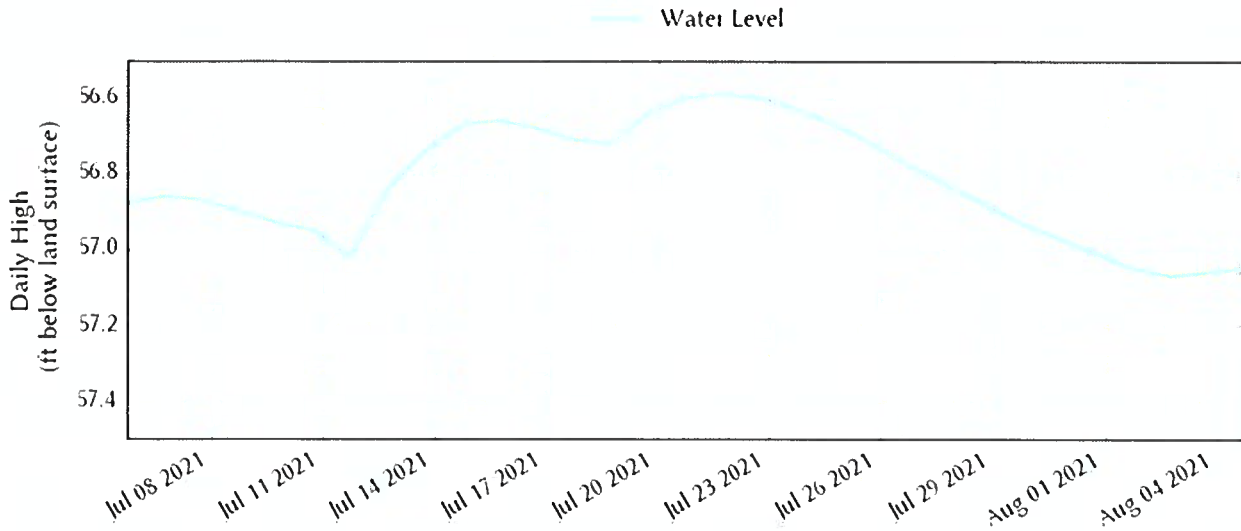
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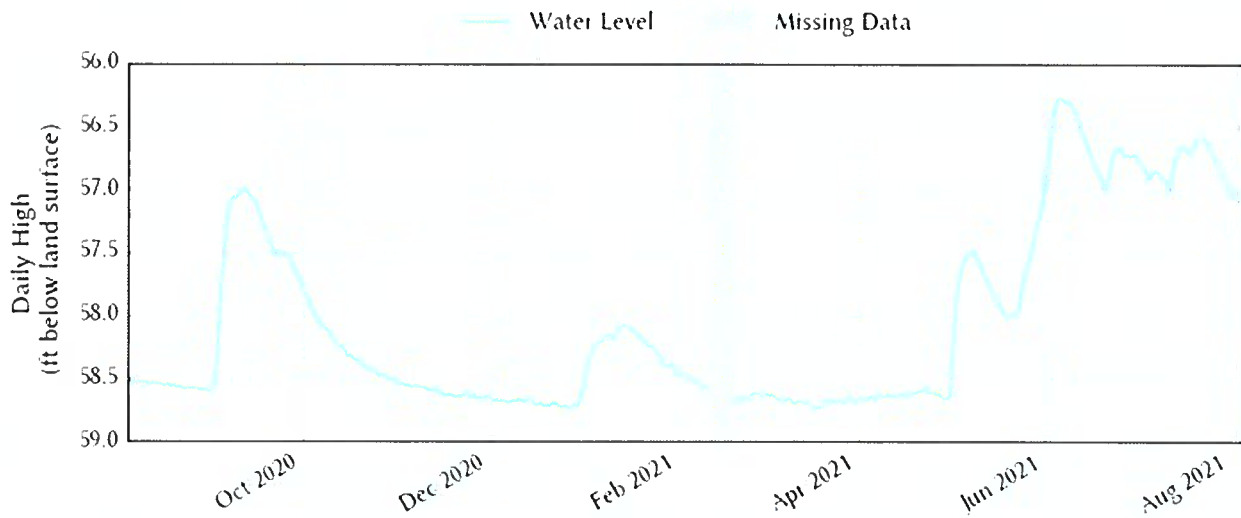
August 2021

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

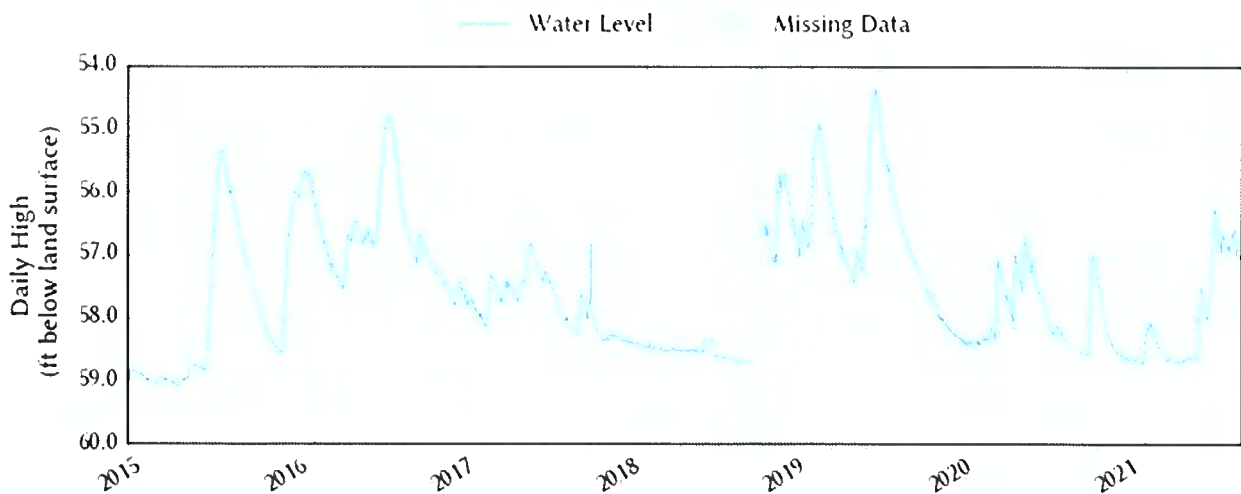
Last 30 Days



1 Year



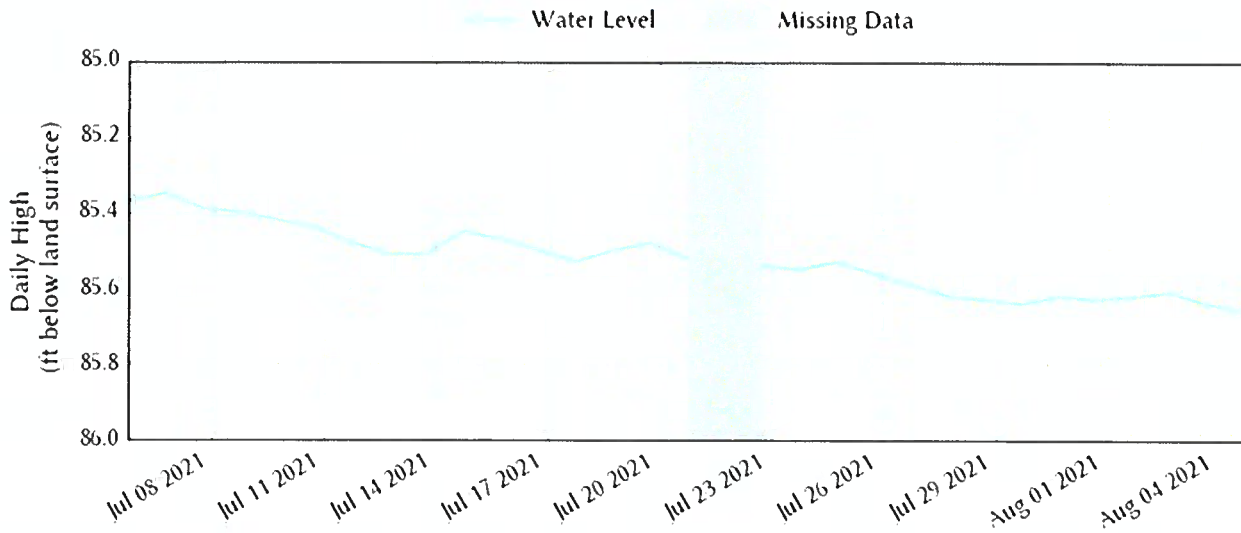
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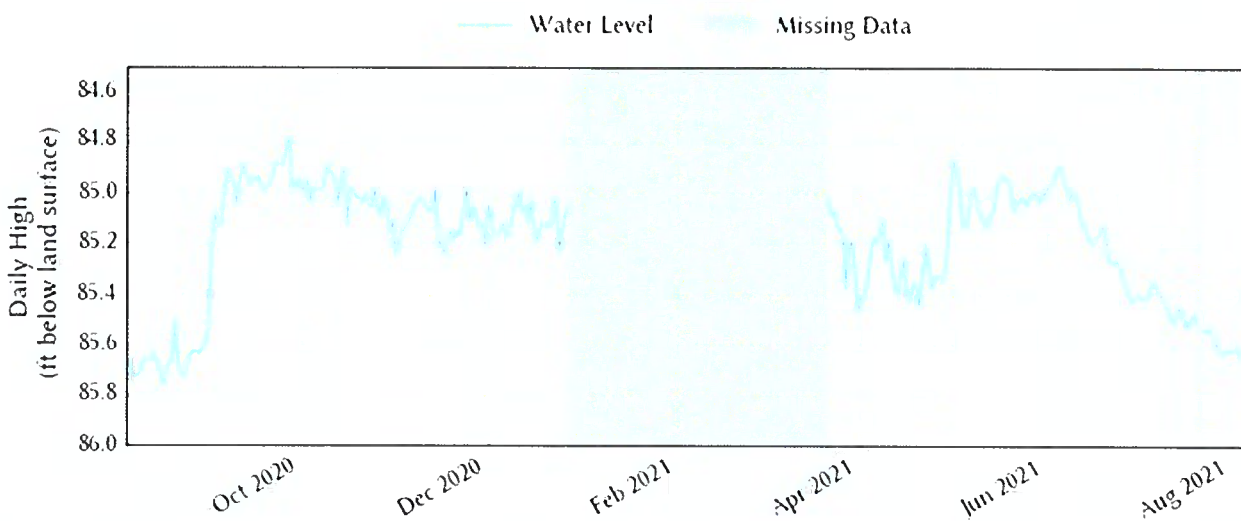
August 2021

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

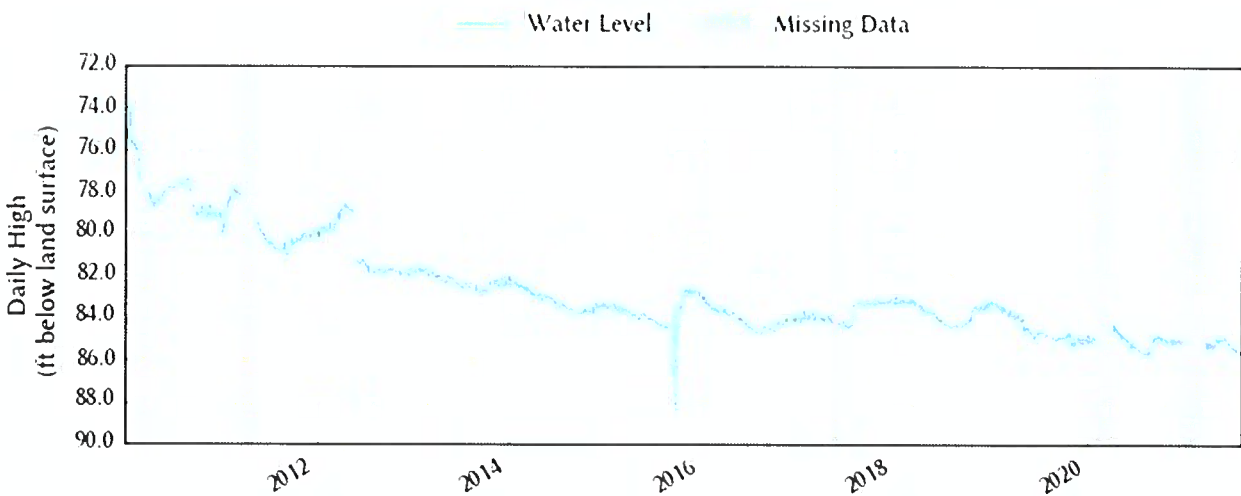
Last 30 Days



1 Year

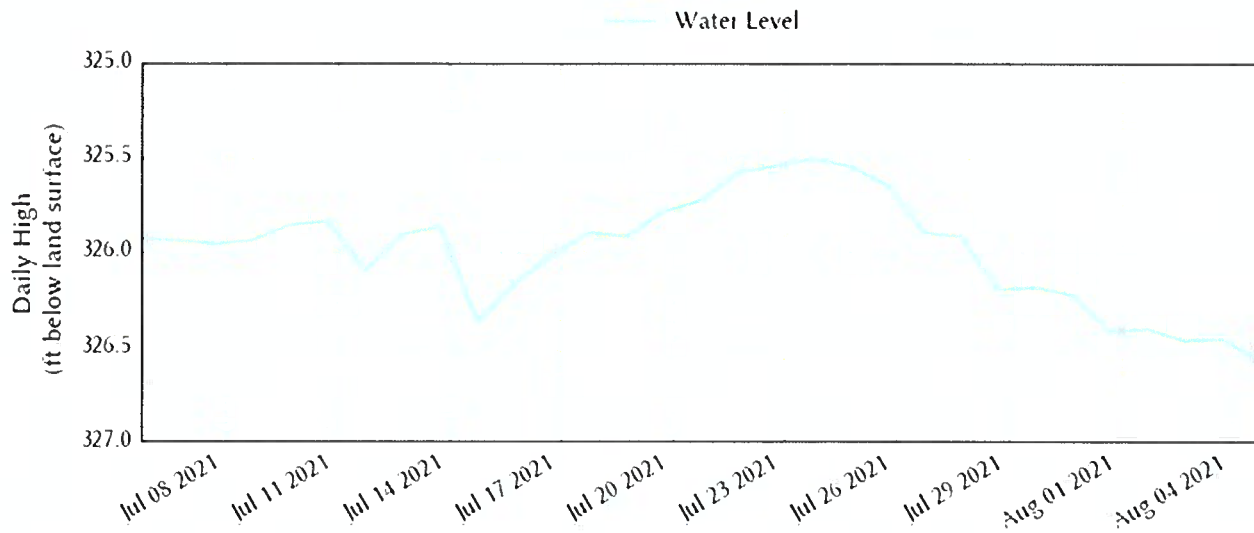


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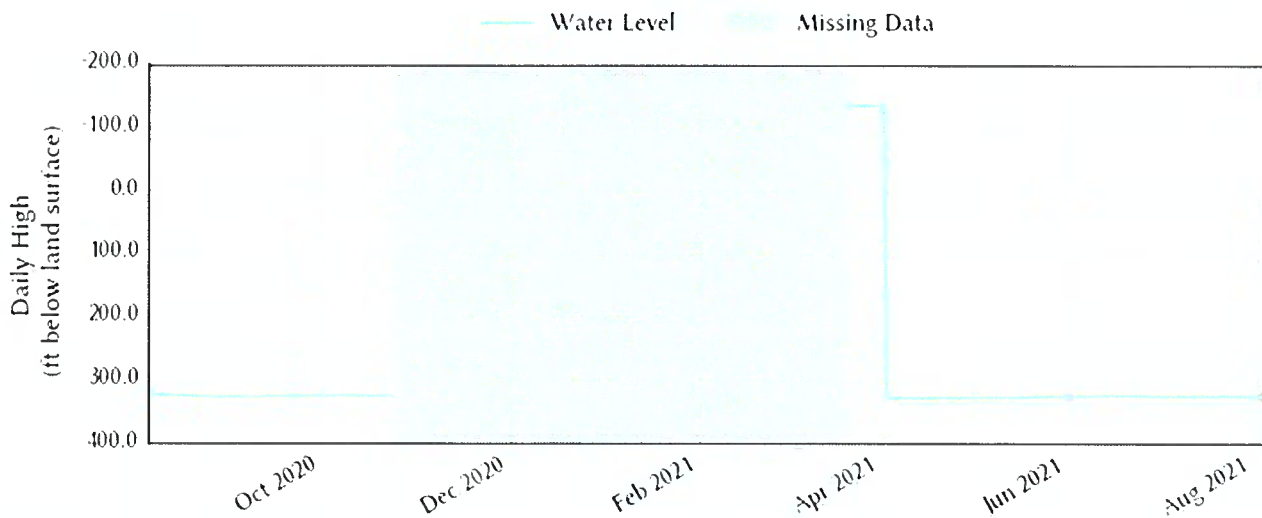


**Continuous Monitoring Well # 4057601
(Copperas Cove)
Middle Trinity Aquifer**

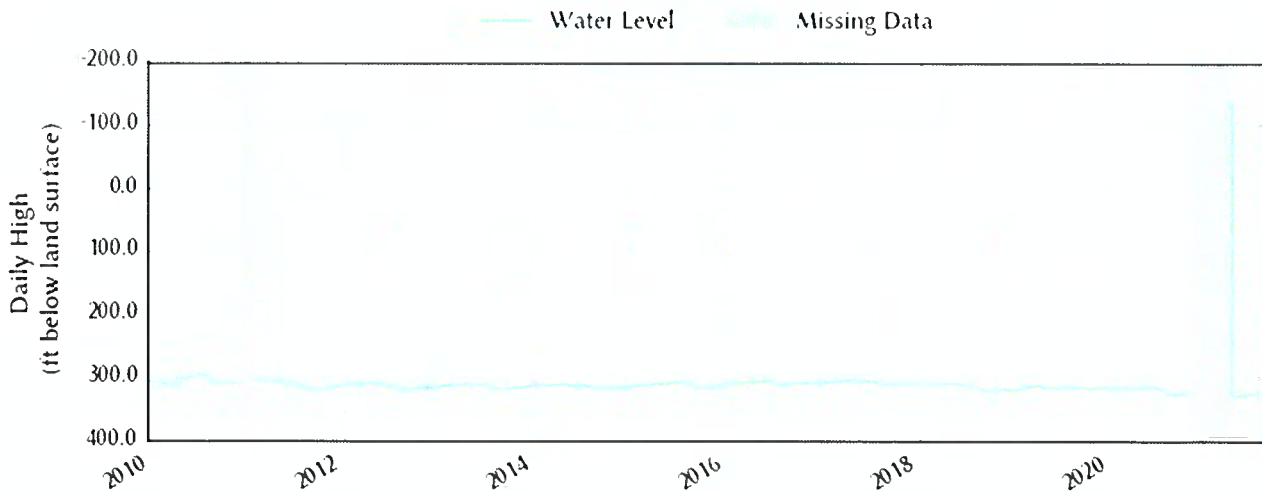
Last 30 Days



1 Year

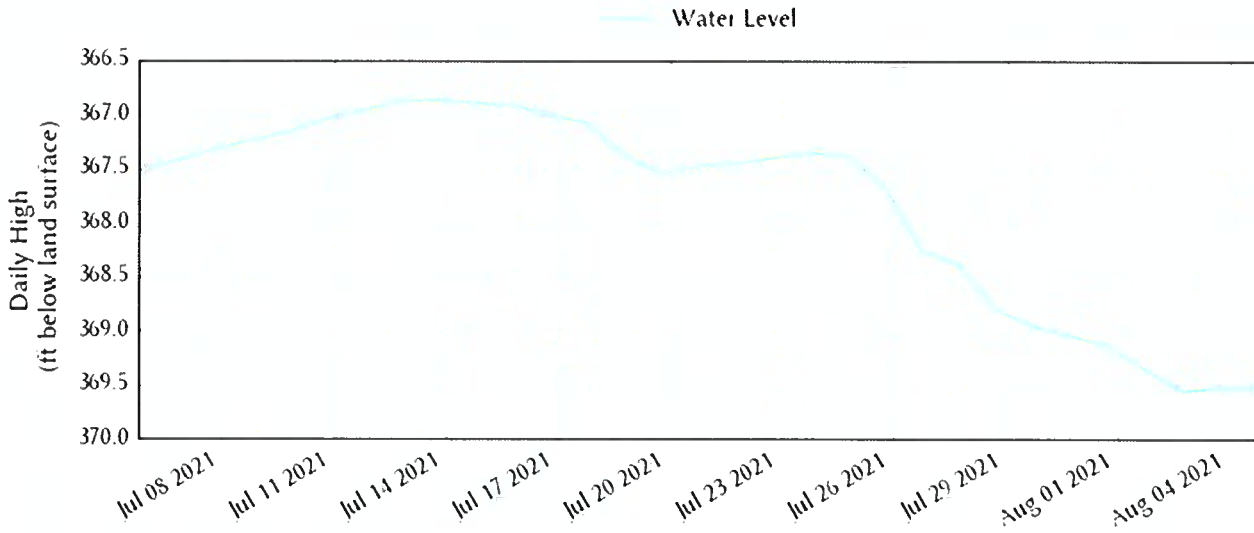


Period Of Record

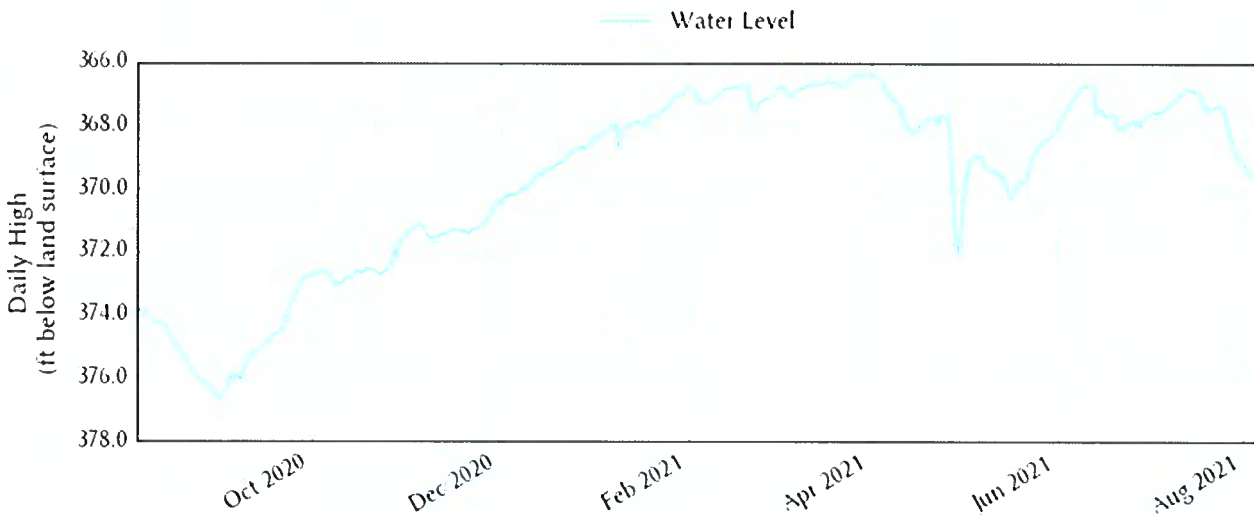


**Continuous Monitoring Well # 5802304
(Killeen - River Ridge Ranch Park Well #1)
Middle Trinity Aquifer**

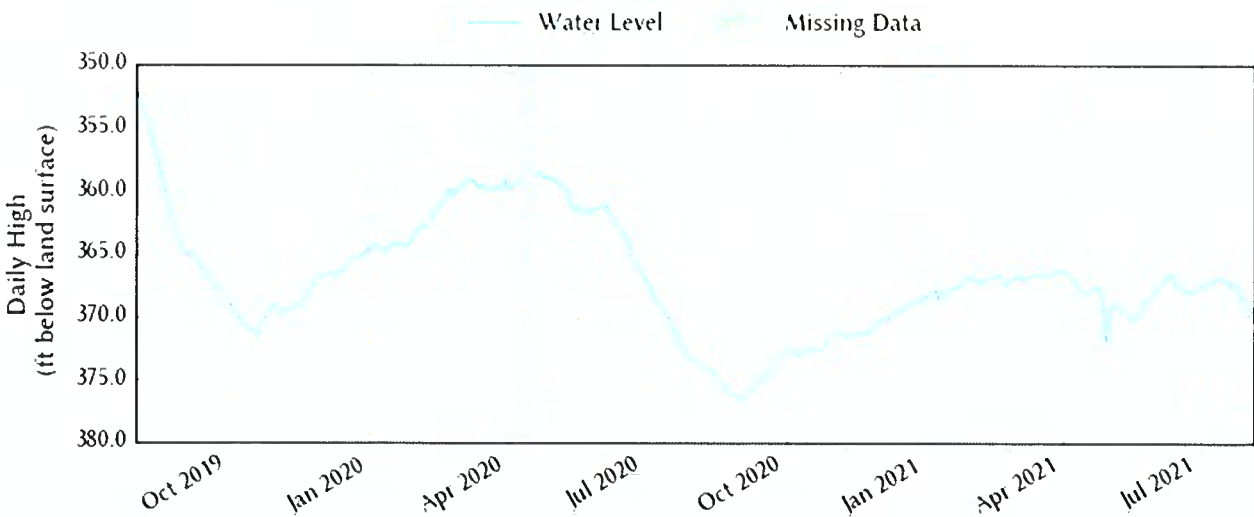
Last 30 Days



1 Year



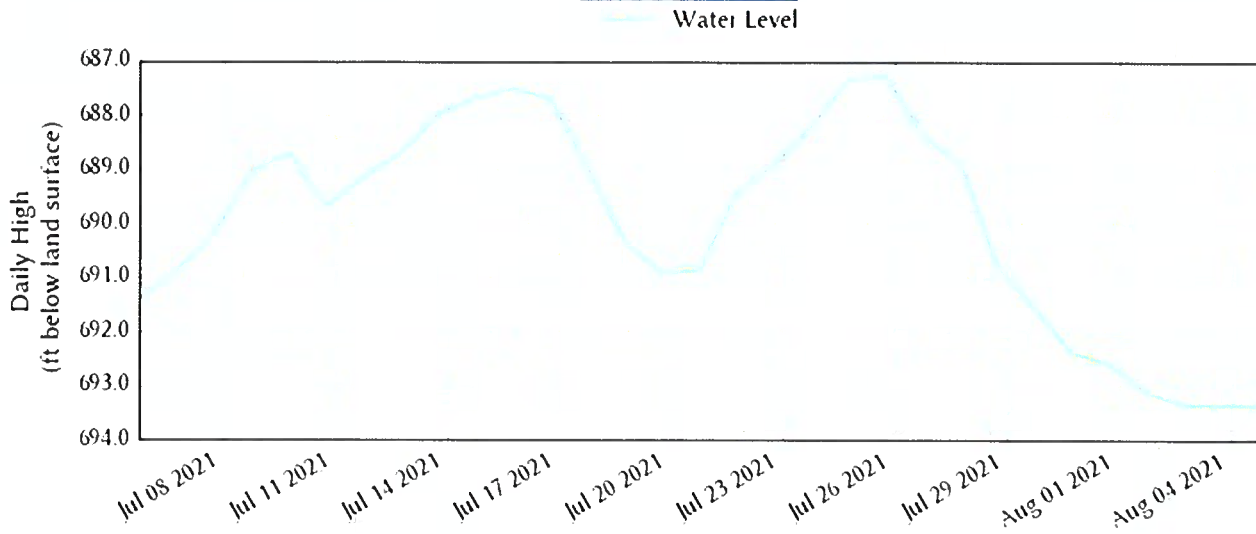
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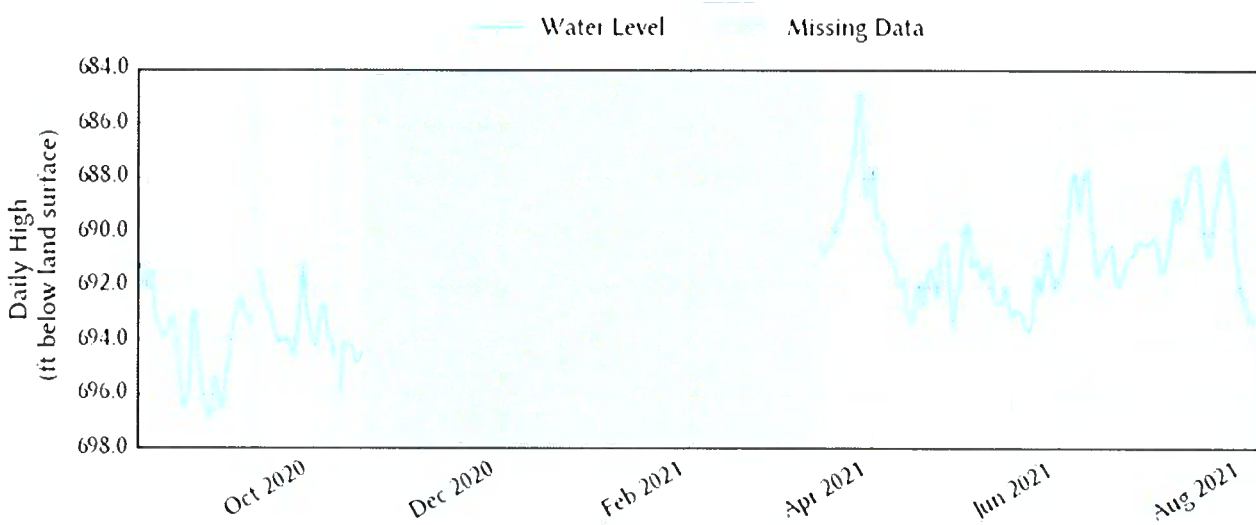
August 2021

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

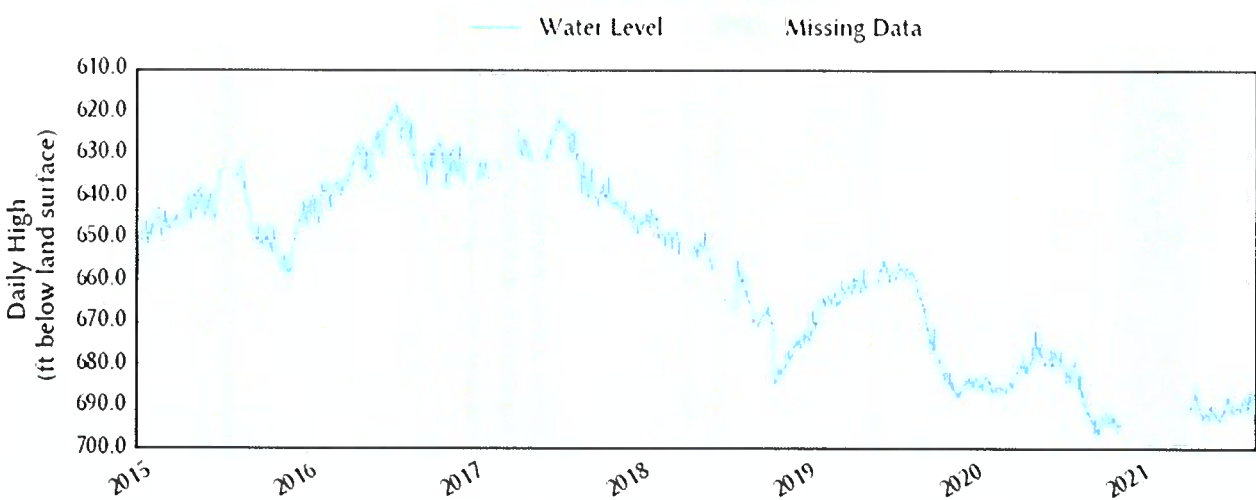
Last 30 Days



1 Year



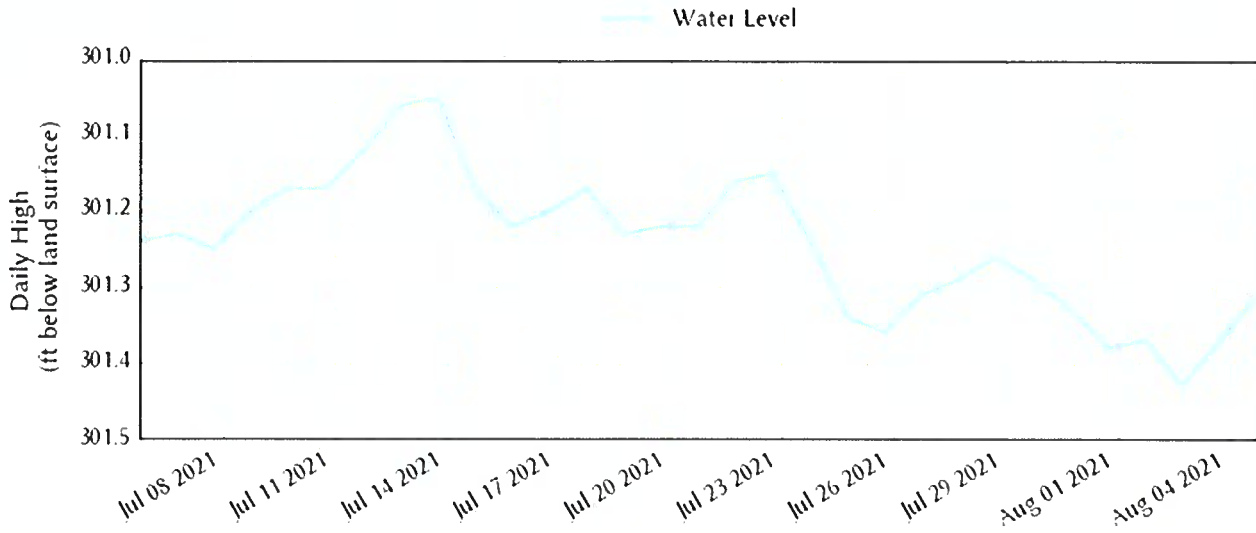
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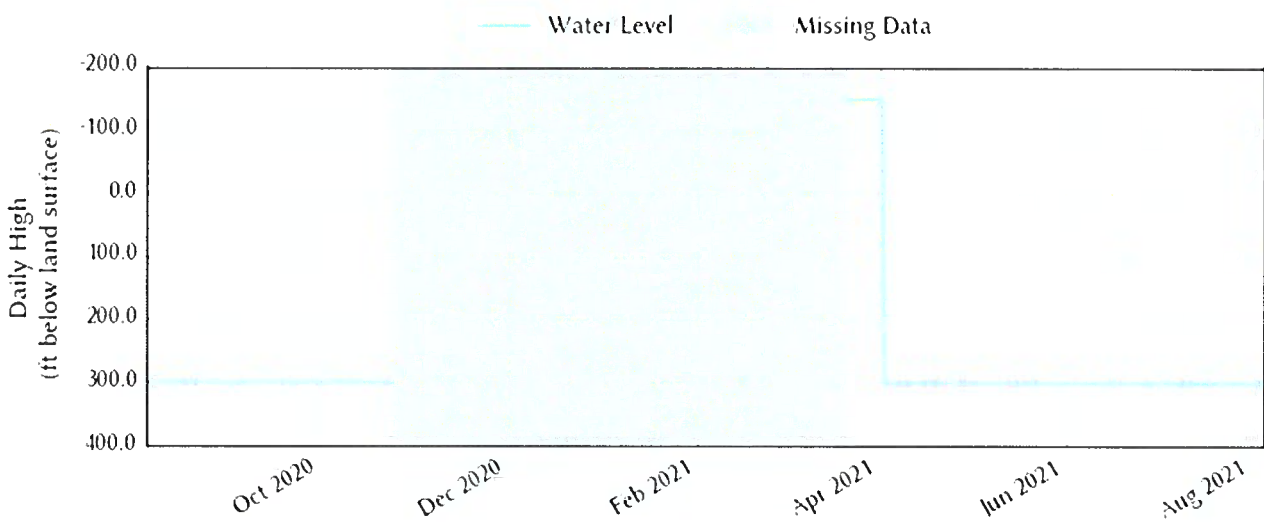
August 2021

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

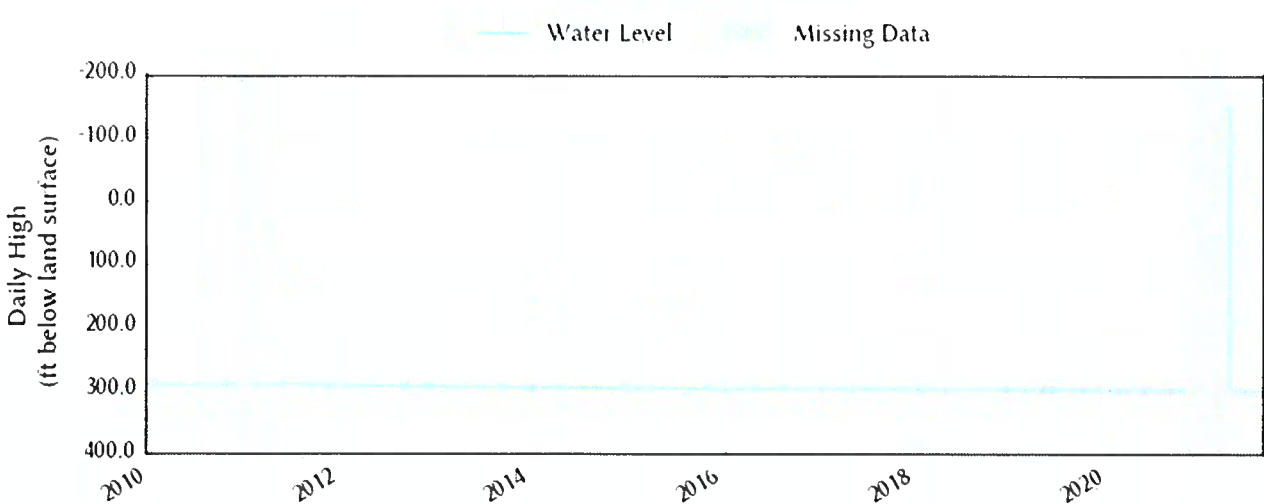
Last 30 Days



1 Year



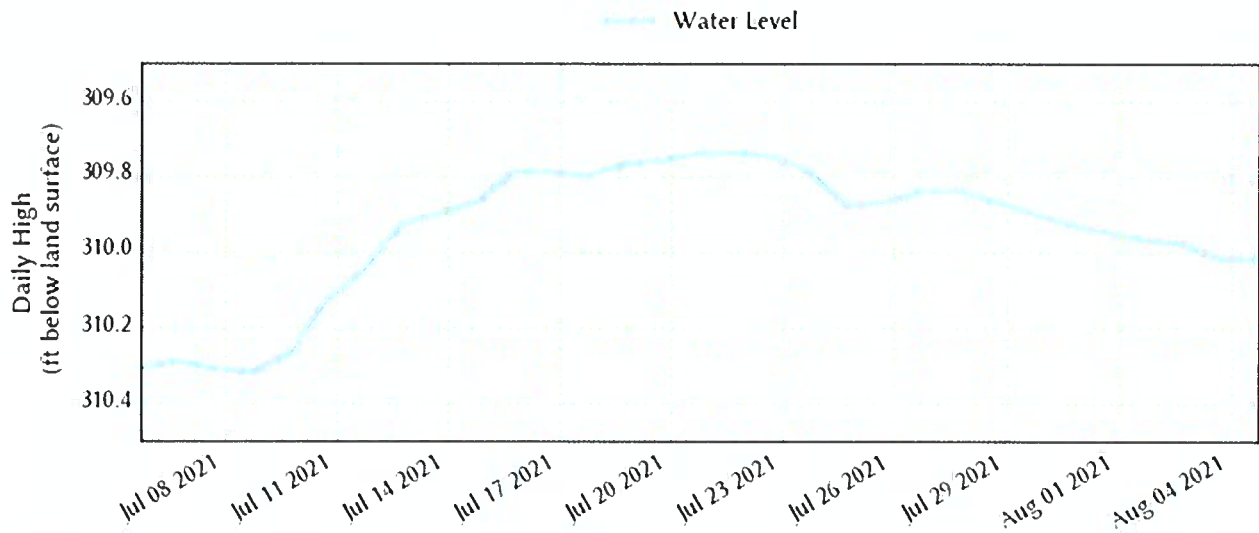
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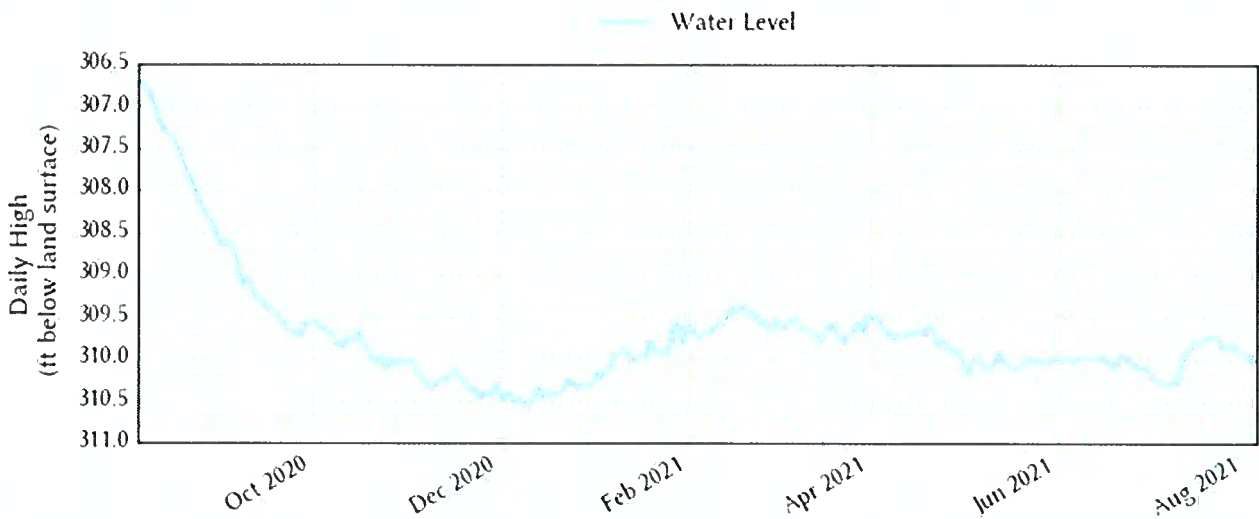
August 2021

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

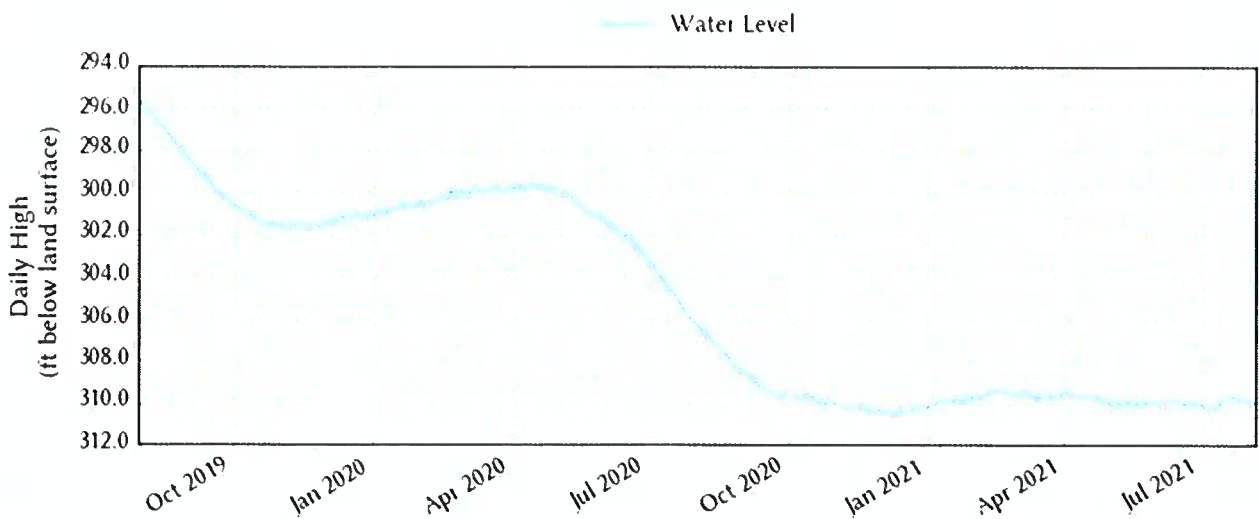
Last 30 Days



1 Year



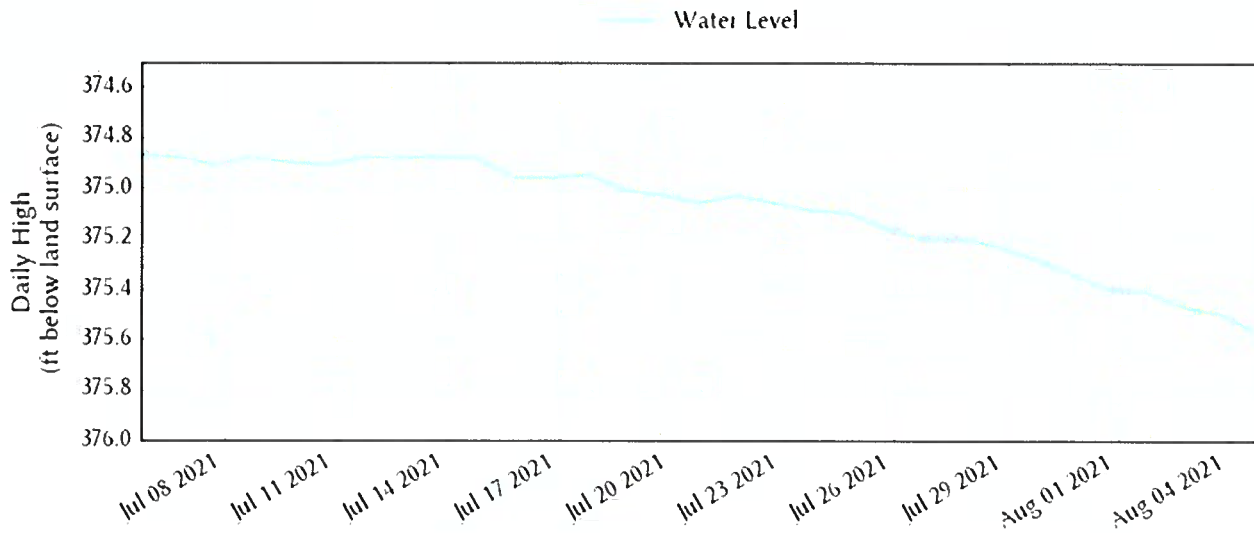
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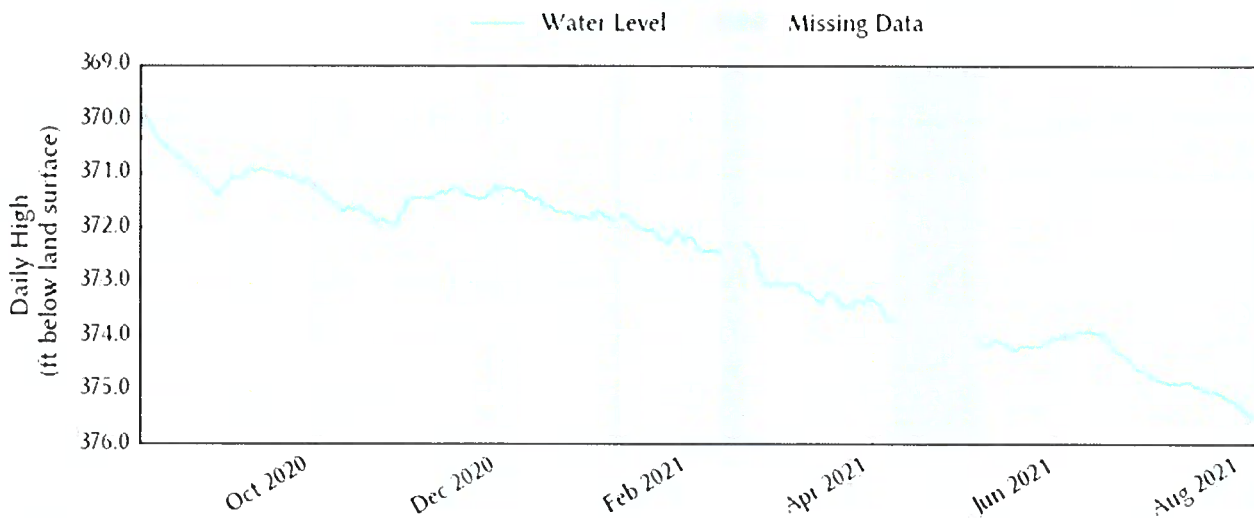
August 2021

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

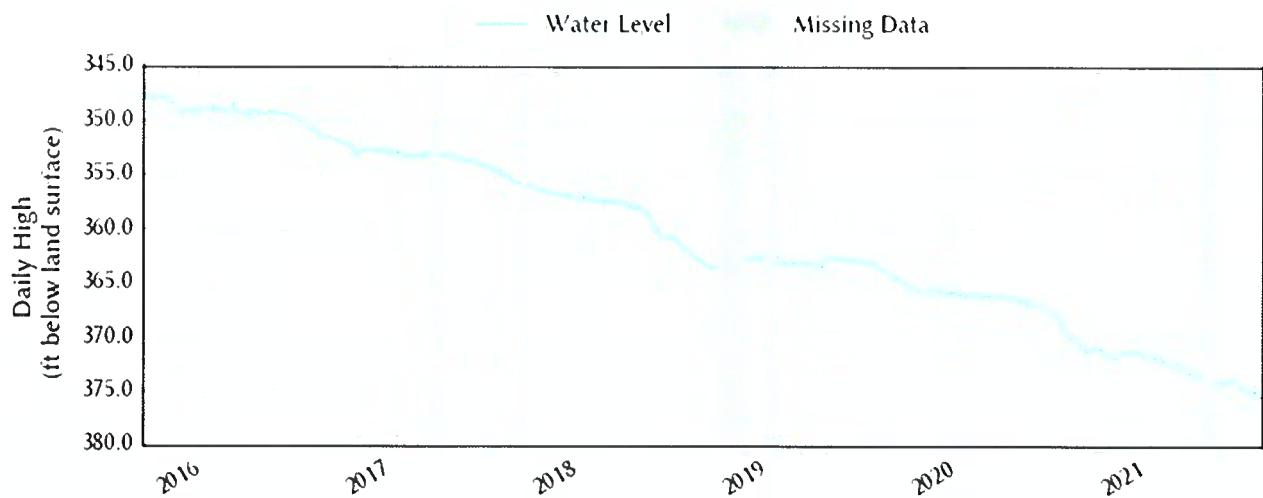
Last 30 Days



1 Year

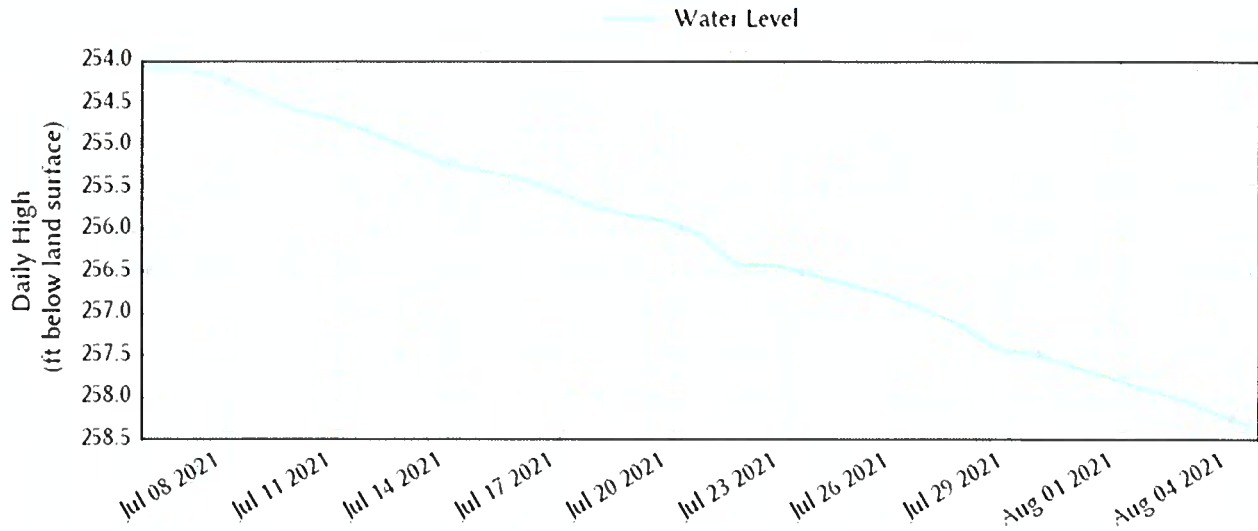


Period Of Record

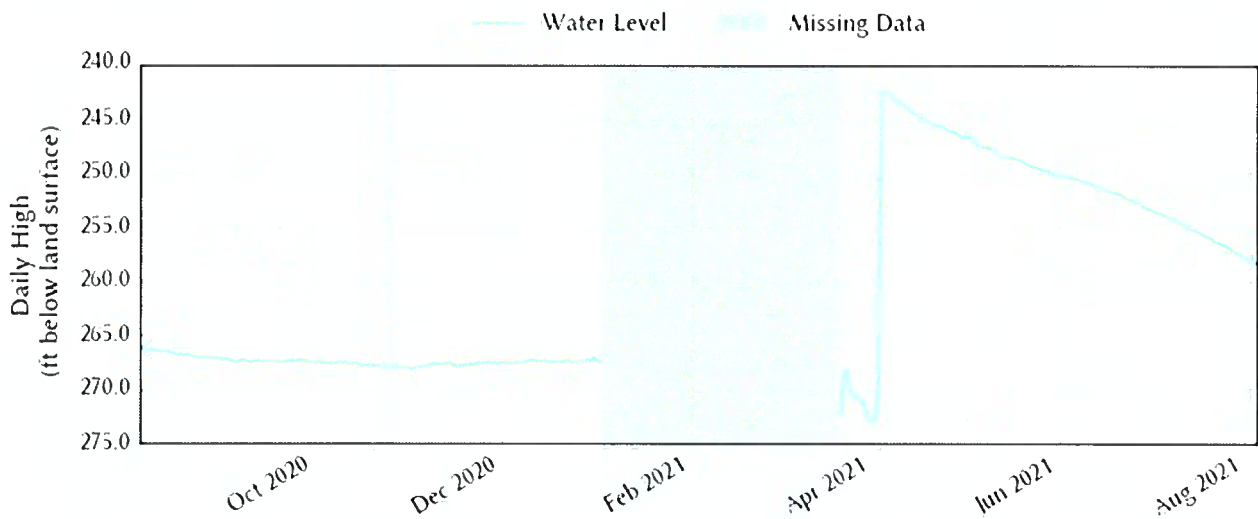


Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer

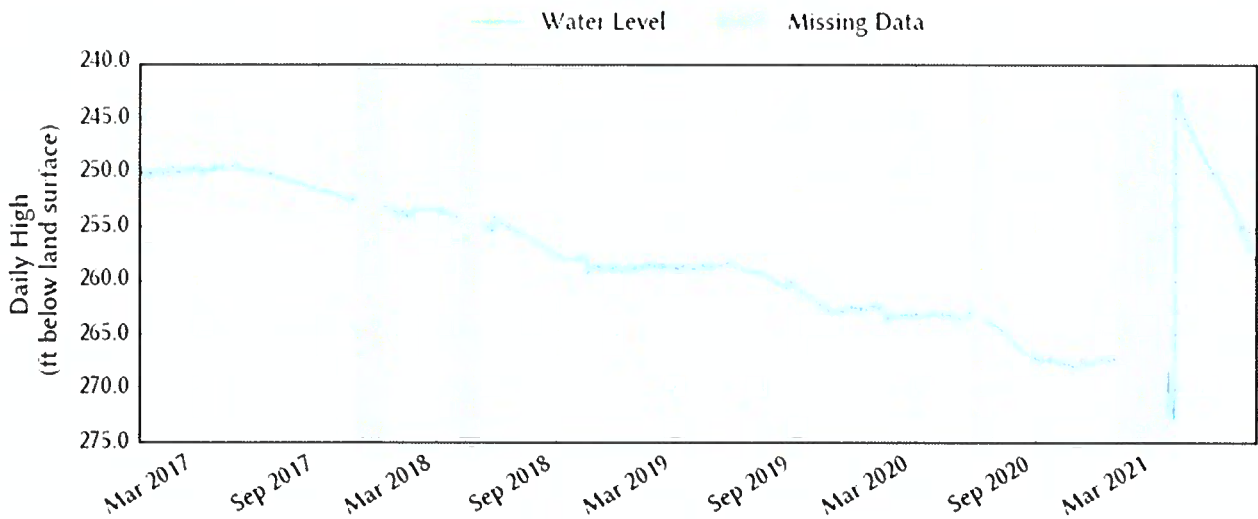
Last 30 Days



1 Year



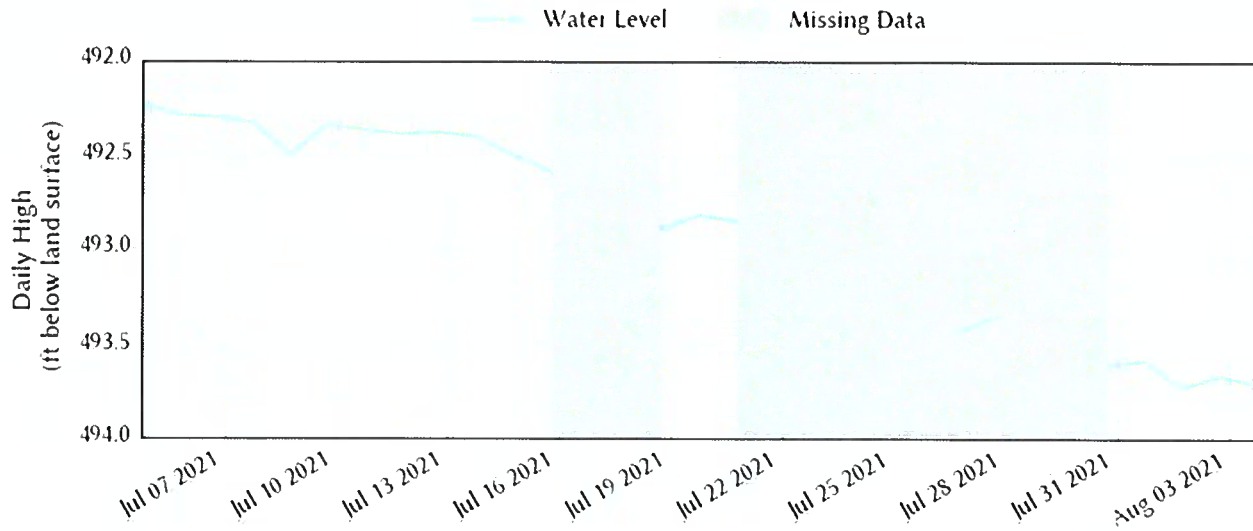
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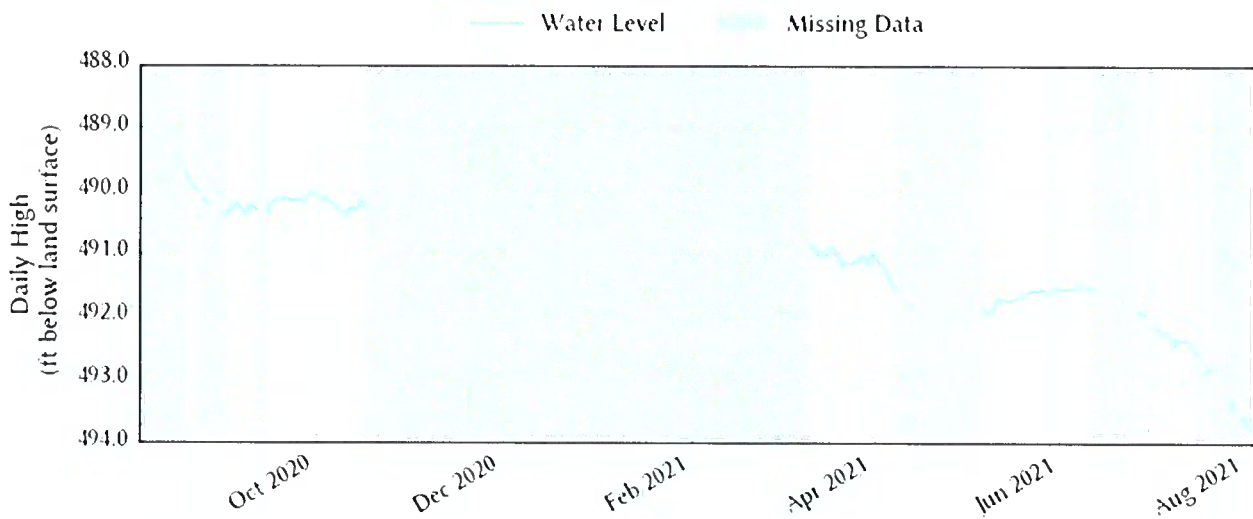
August 2021

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

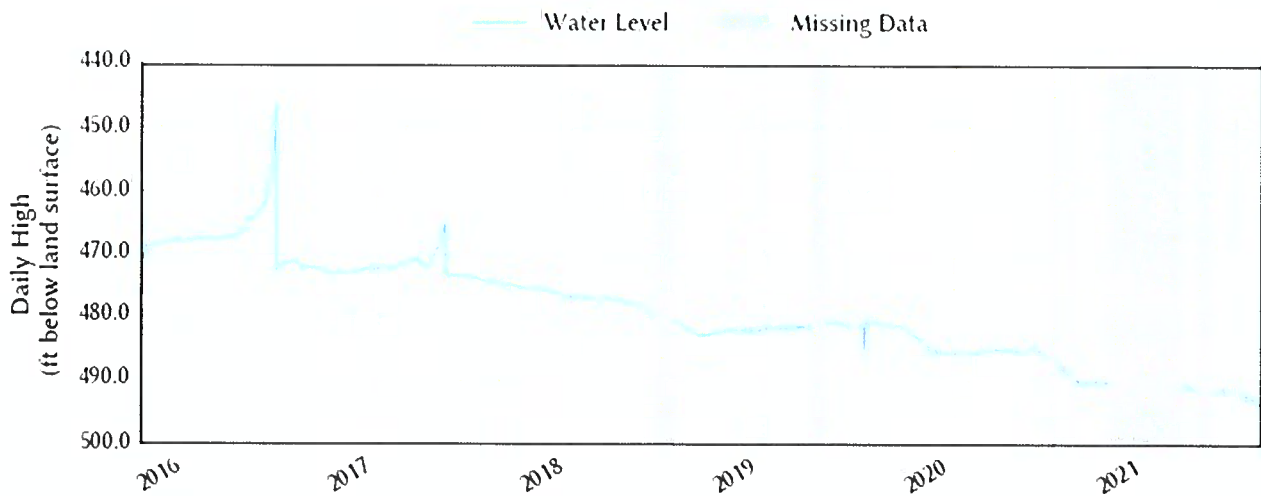
Last 30 Days



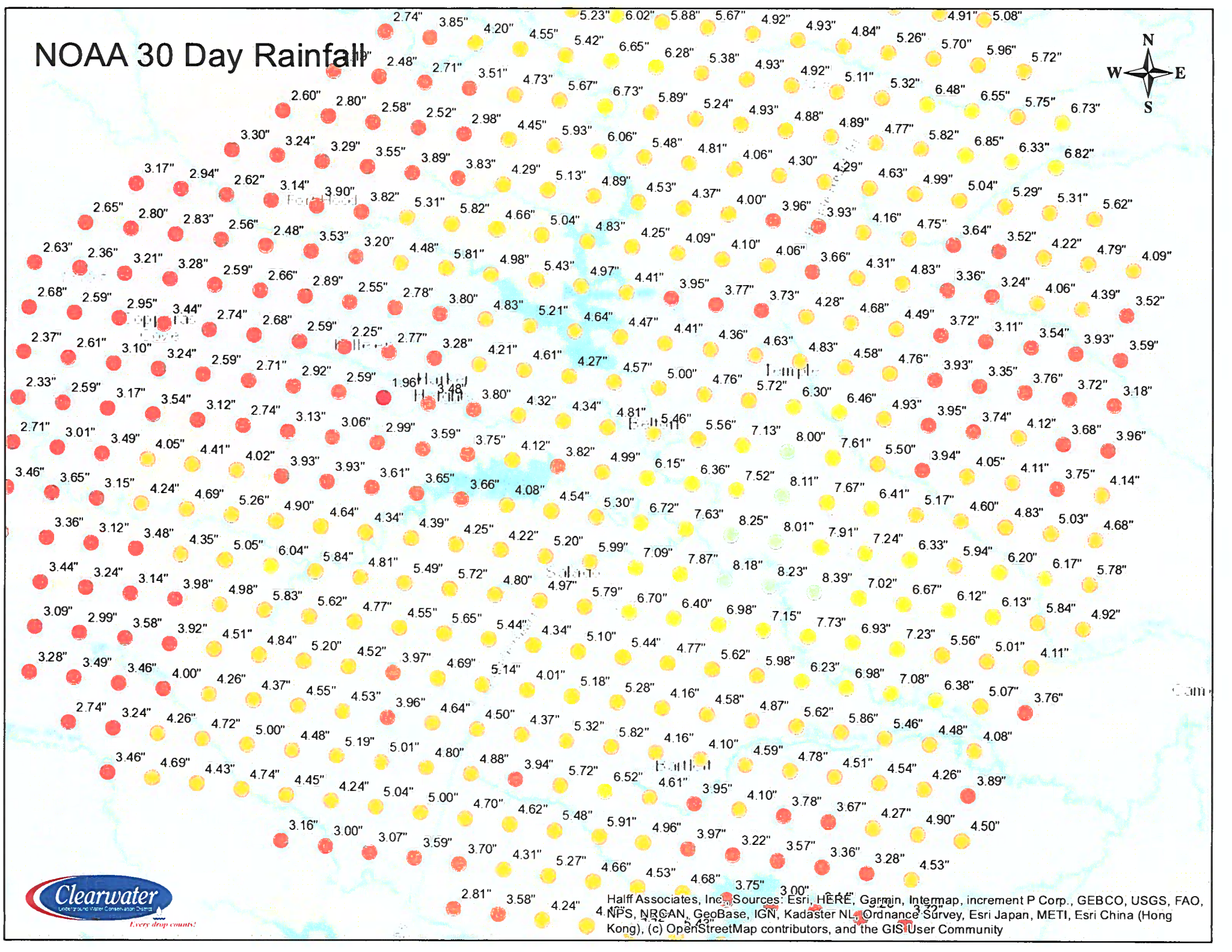
1 Year



Period Of Record

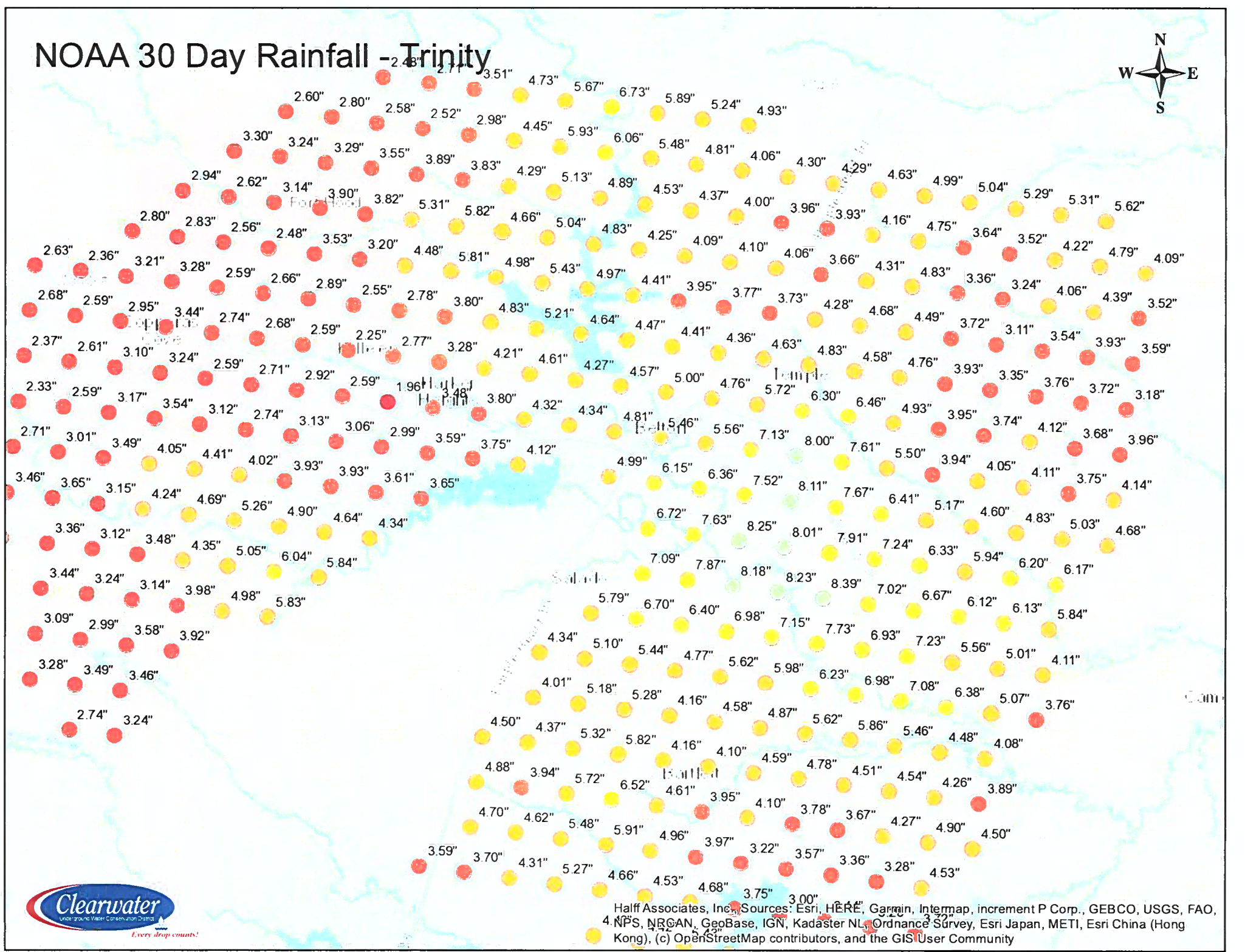


NOAA 30 Day Rainfall



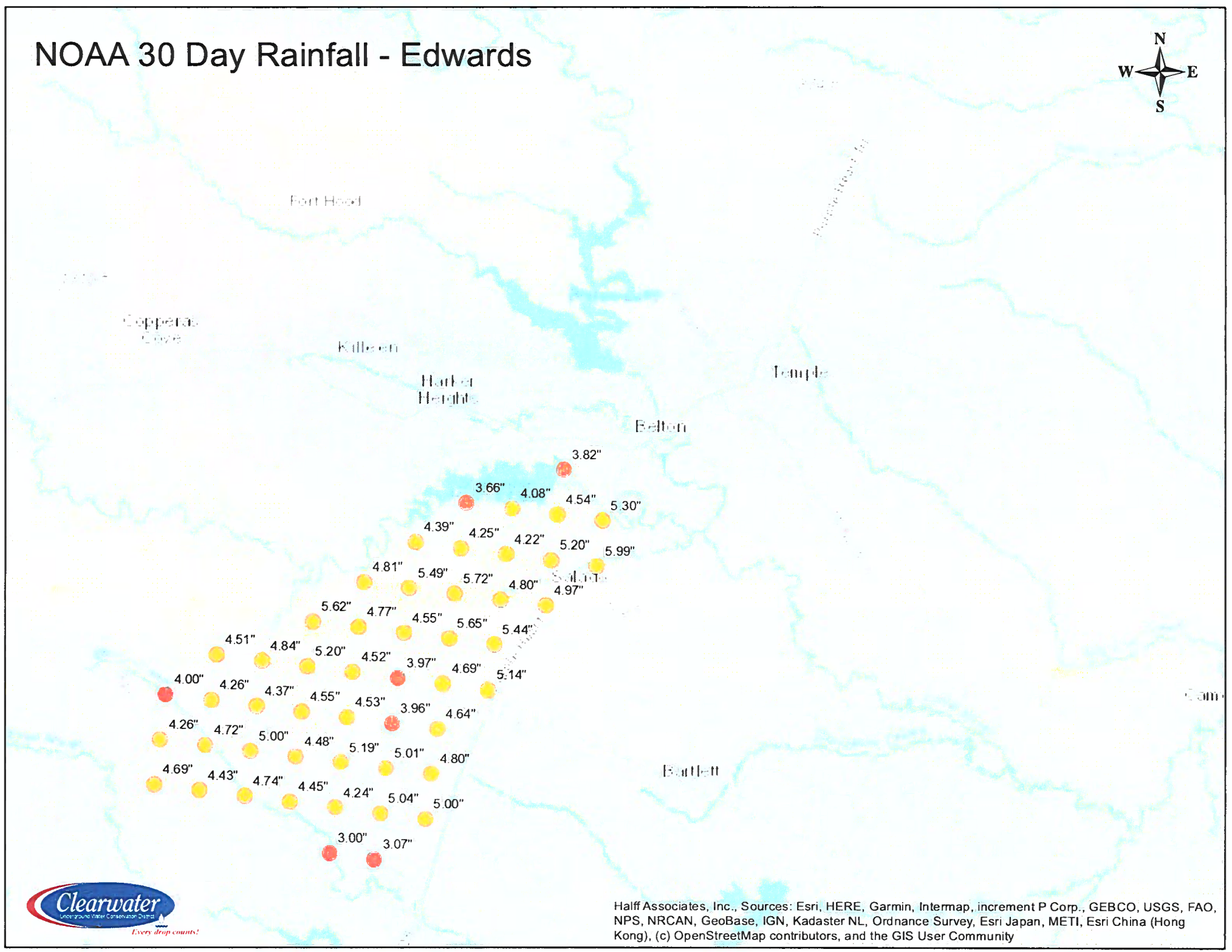
Half Associates, Inc. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Trinity



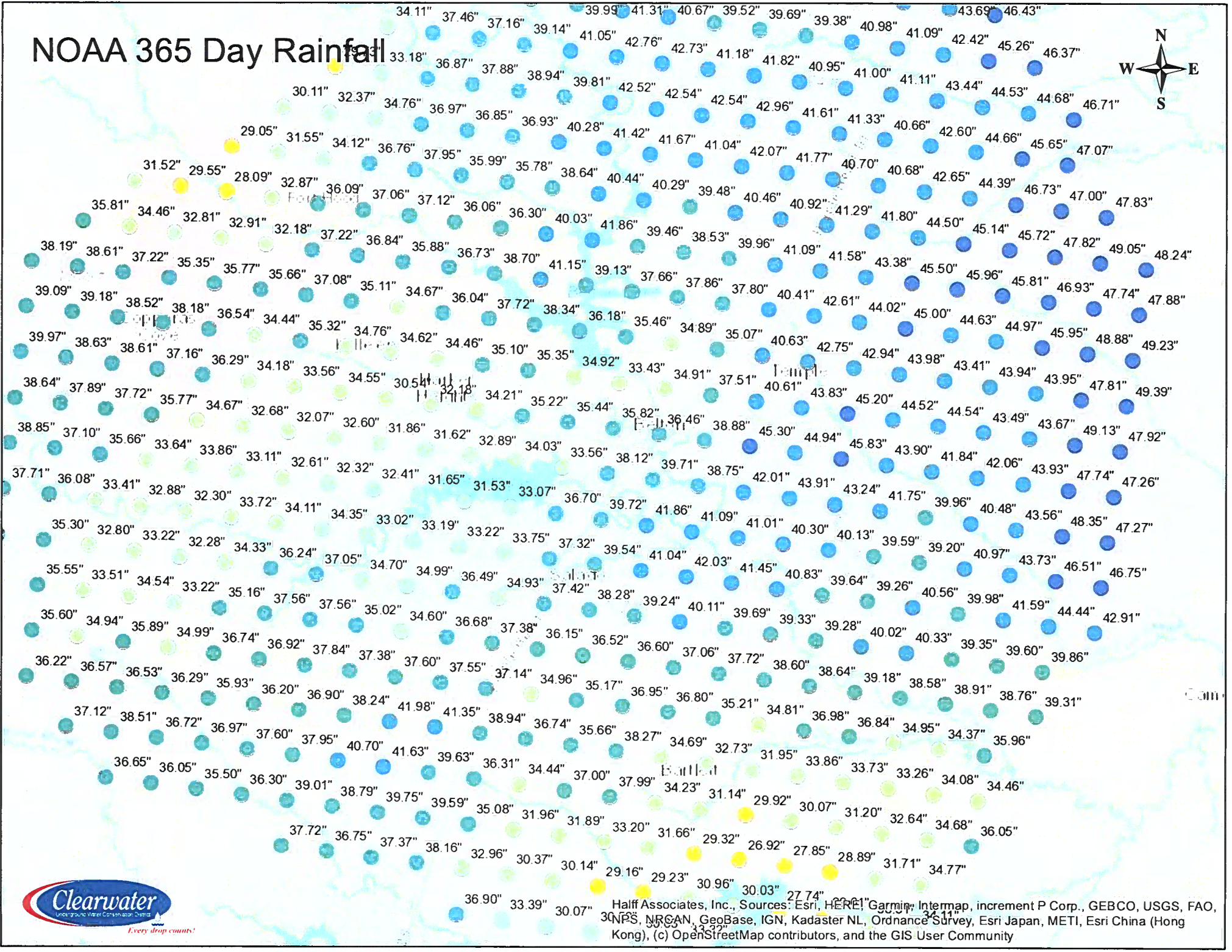
Half Associates, Inc. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, 4.NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Edwards



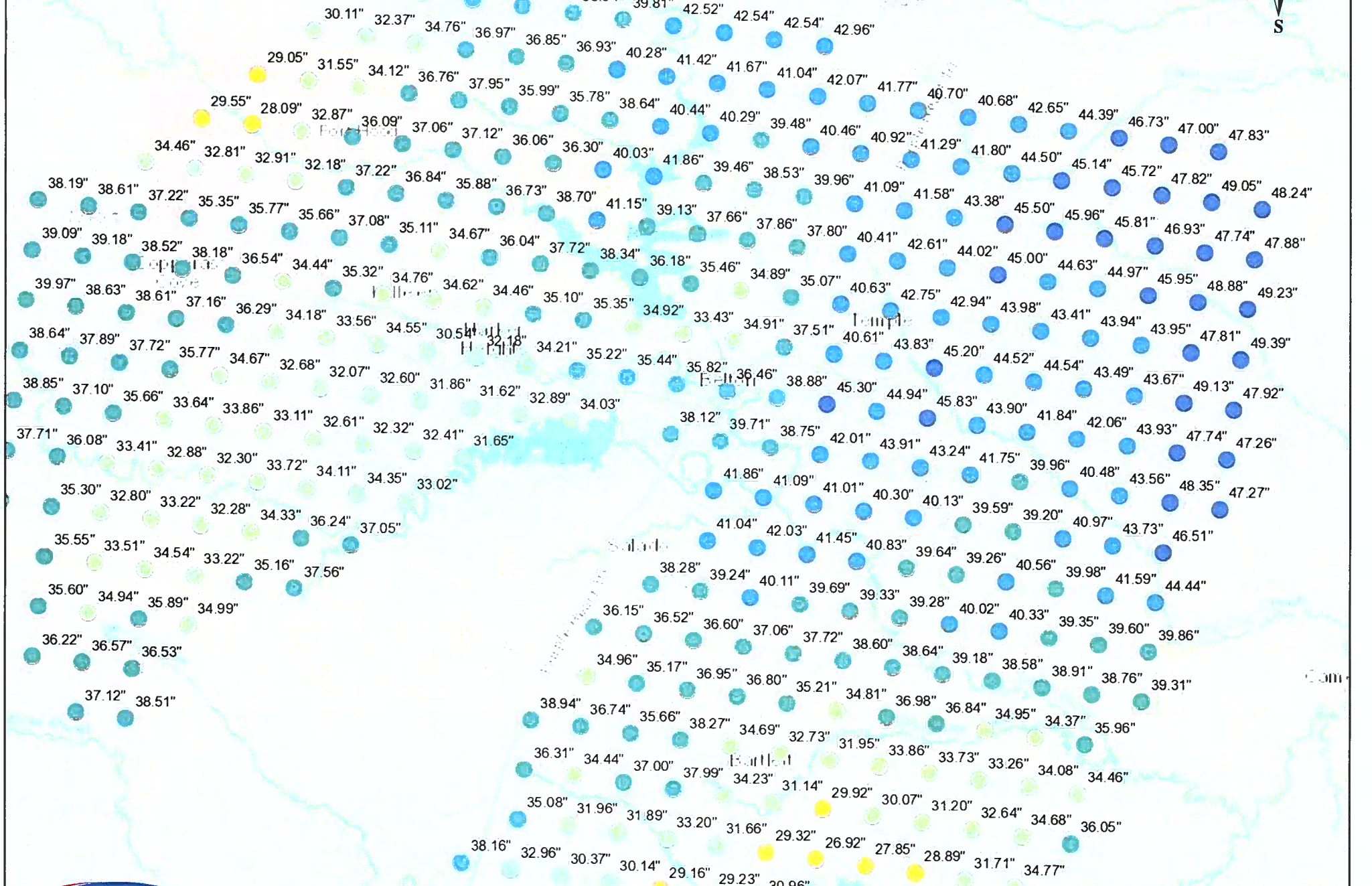
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall



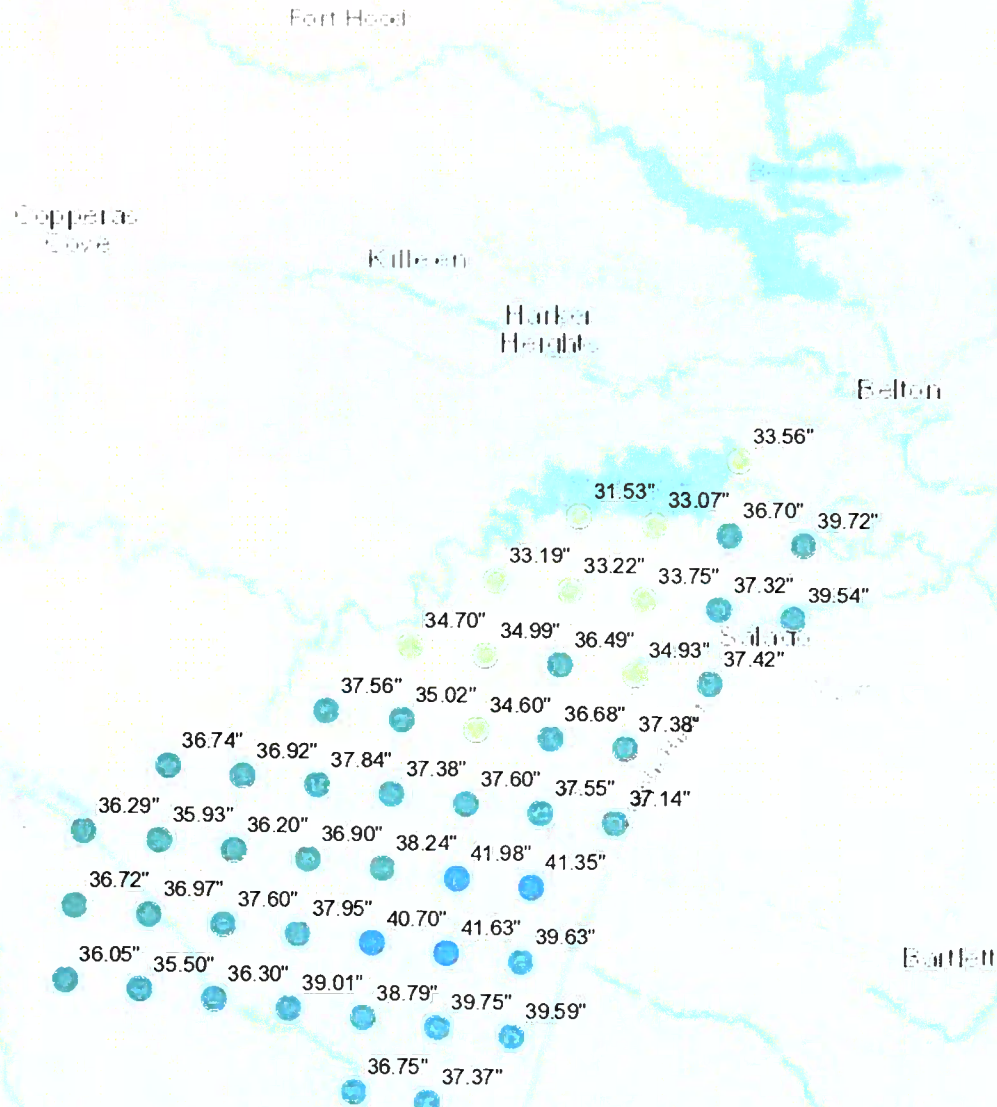
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall - Trinity



Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, ICGM, SRTM3, CNRS, NGA, GEBCO, 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

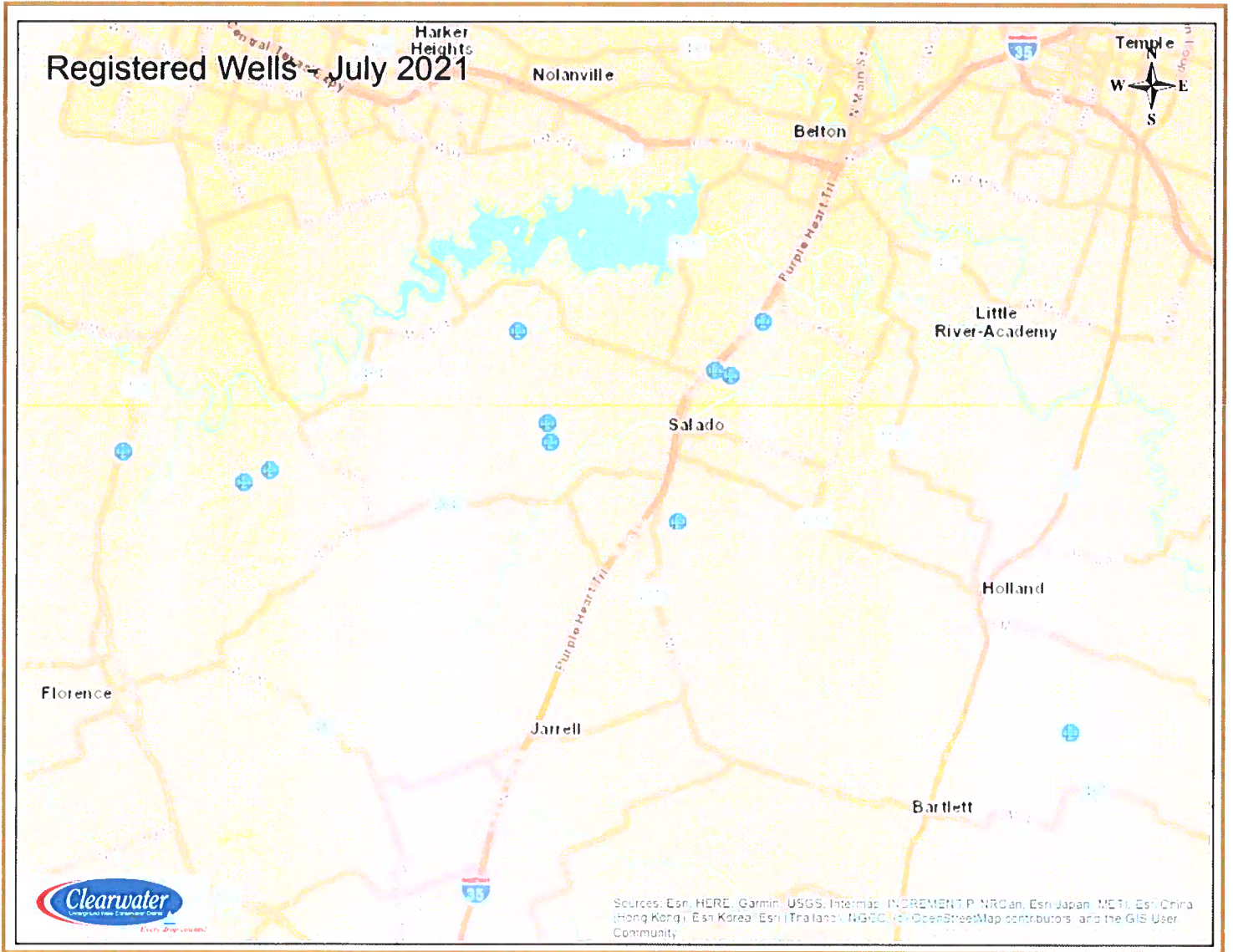
Well Registration Totals

Year	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002 - 2020	4424	1064	105	36	61	26	121	5837
2021 - Jan	1	14	0	0	0	0	0	15
Feb	4	5	0	0	0	0	0	9
Mar	4	3	0	1	1	0	0	9
Apr	5	10	1	1	0	0	0	17
May	2	5	0	0	0	0	0	7
June	2	4	0	1	1	0	0	8
July	1	6	0	0	4	0	0	11
Aug								0
Sep								0
Oct								0
Nov								0
Dec								0
Total 2021	19	47	1	3	6	0	0	76
Totals	4443	1111	106	39	67	26	121	5913

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002-Present	4443	1111	106	39	67	26	121	5913
Never Drilled	N/A	-27	N/A	-3	-4	0	-1	-35
Plugged	-203	-42	-18	-2	-1	-2	-53	-321
Totals	4240	1042	88	34	62	24	67	5557

Proposed New Wells - July 2021



Well #	Owner	Address	City	Aquifer	Depth	Use	Status
E-21-057P	Roberto Aviles	3210 Brownsville Apt. A	Killeen	Undeclared	620 ft	Domestic	Proposed
E-21-058G	Sandra Lopez	15180 N FM 487	Thorndale	Alluvium	20 ft	Domestic	Abandoned
E-21-059P	Mike Chandler	1325 Rose Lane	salado	Undeclared	160 ft	Domestic	Proposed
E-21-060P	Steve Cox	12298 Crows Ranch Rd	salado	Undeclared	860 ft	Domestic	Proposed
E-21-061P	Loren Richards	1296 Indian Pass	Salado	Undeclared	860 ft	Domestic	Proposed
E-21-062P	Joe Womack	1704 Indian Pass	Salado	Upper Trinity	930 ft	Domestic	Proposed
E-21-063P	Troy Smith	16741 FM 2115	Troy	Undeclared	300 ft	Domestic	Proposed
N2-21-004P	Hines Texas, LLC	601 Lake Air Drive	Waco	Lower Trinity	760 ft	Domestic	Proposed
N2-21-005P	Nathan & Danielle McNeal	21152 State Hwy 195	Killeen	Lower Trinity	600 ft	Domestic	Active
N2-21-006P	Tyler Johnson	5411 Williams Drive. Ste. 303	Georgetown	Edwards (BFZ)	290 ft	Domestic	Active
N2-21-007P	Belton Partners, LLC	24026 Seven Winds	San Antonio	Undeclared	235 ft	Pub Supply	Proposed