



Every drop counts!

Clearwater Underground Water Conservation District

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Clearwater Staff Reports

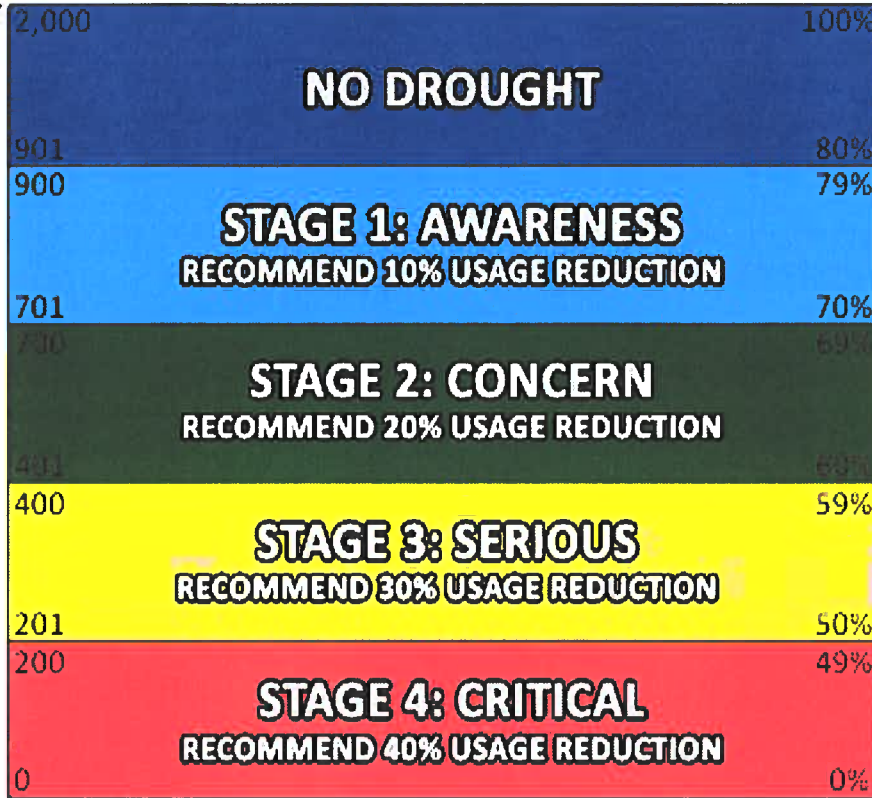
June 16, 2021

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

51901.95 ac-ft
(month)
872.24 cfs



28.320 PDI
85.81 %

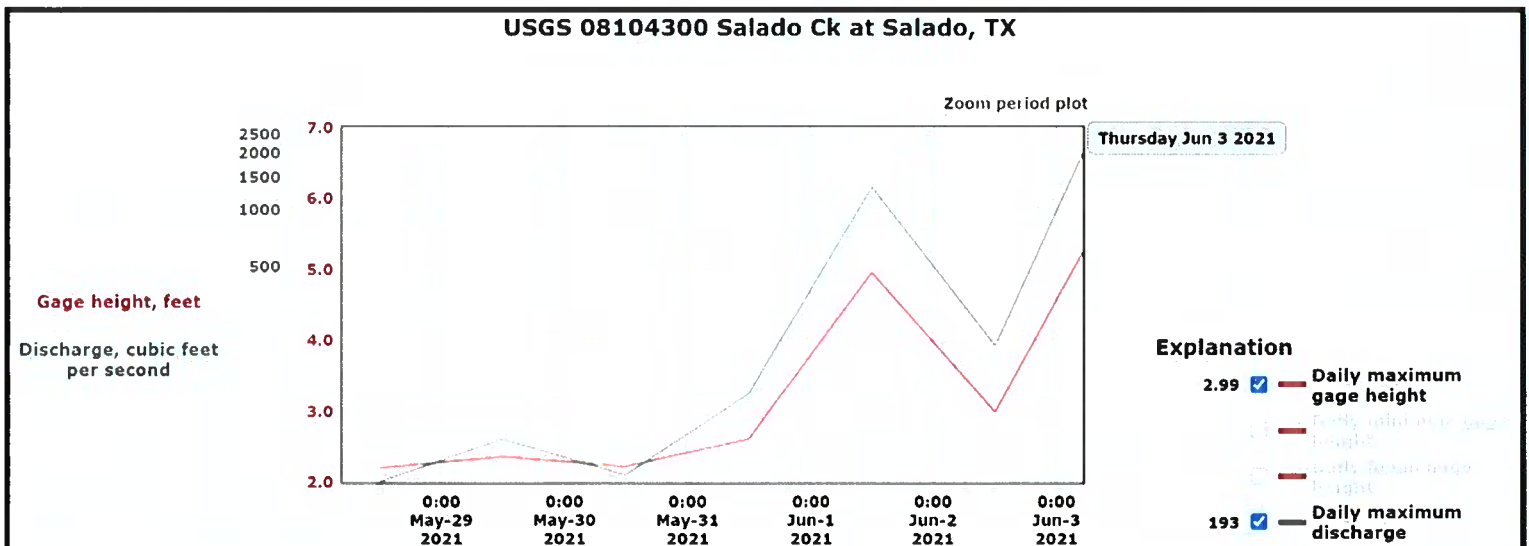
Precipitation Deficit Index (PDI)

Salado Creek
Spring Discharge

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

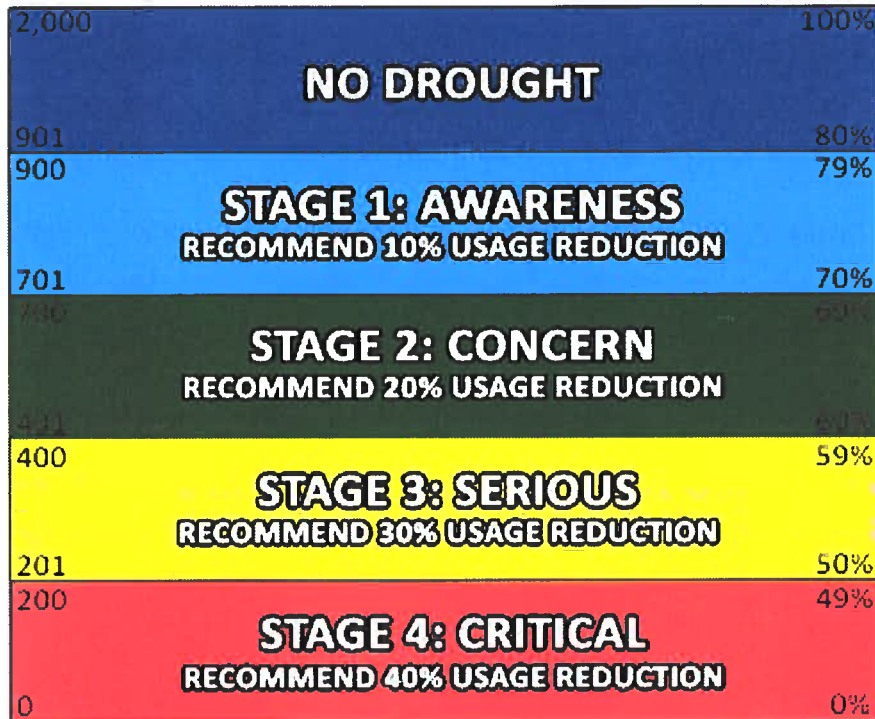
AS OF 06/03/2021

USGS 08104300 Salado Ck at Salado, TX



Trinity Aquifer—Drought Status Report

NO DROUGHT

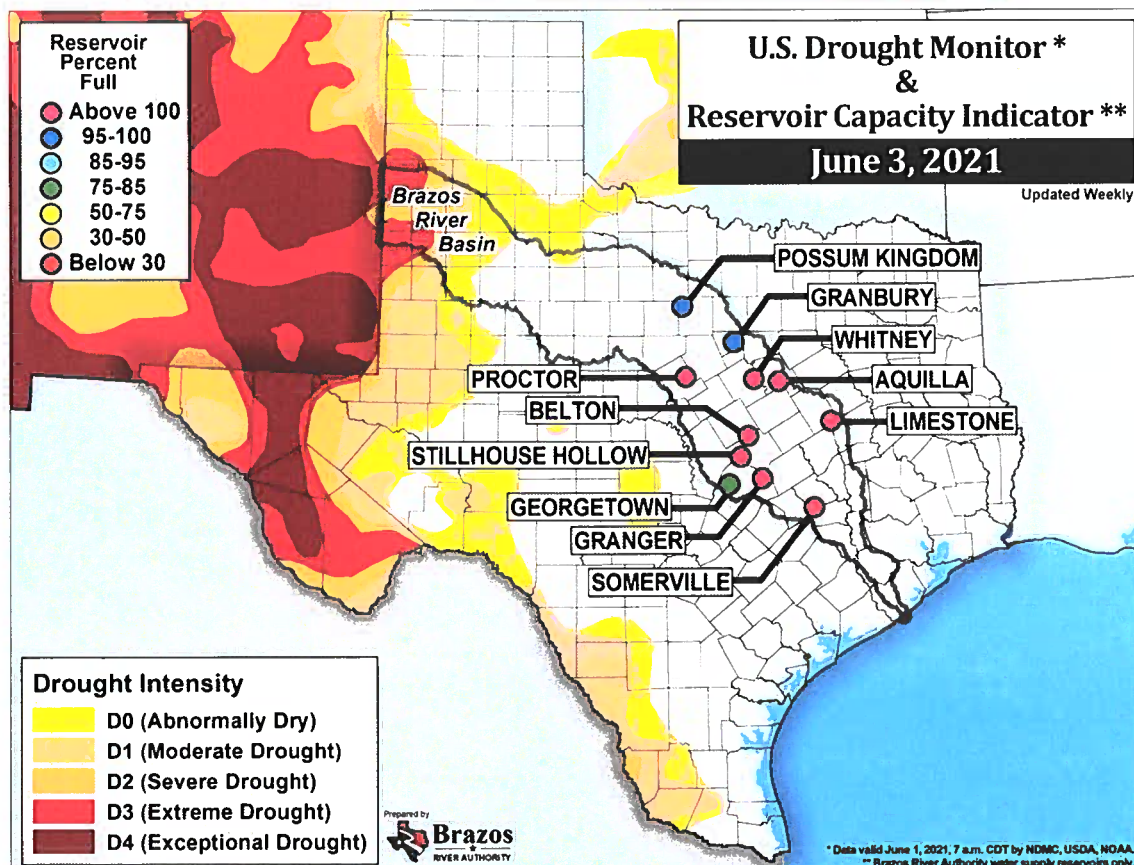


← 31.141 PDI
94.36 %

Precipitation Deficit Index (PDI)

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

AS OF 6/3/2021





Education Outreach Highlights 6/16/21

- 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).
 - No education events scheduled at this time.

- 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.

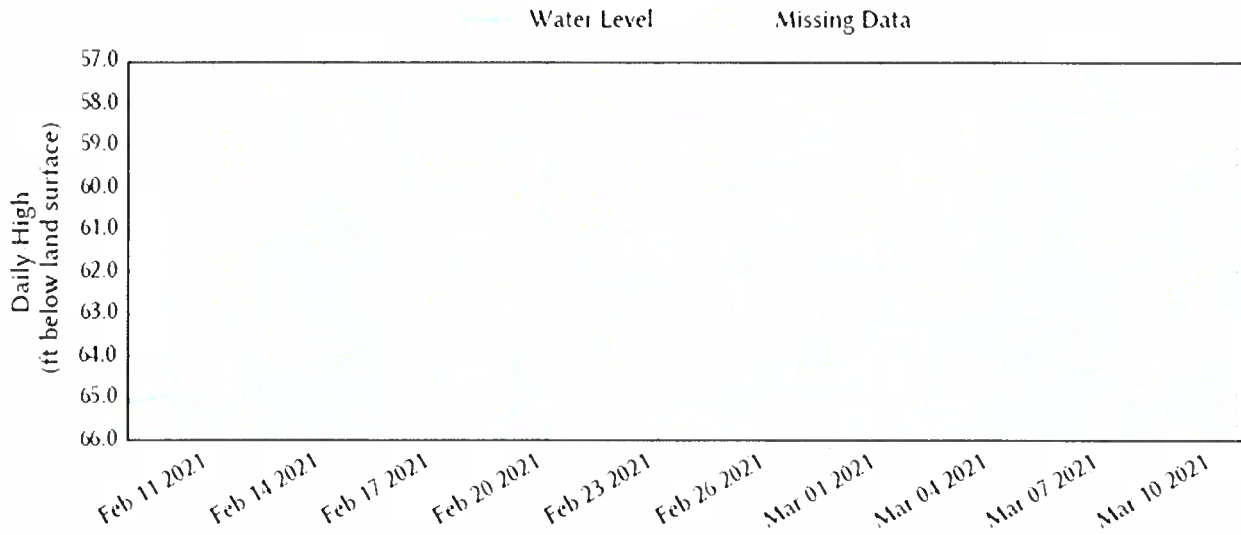
- 3. Increase the District Communication strategically by expanding utilization of a media sources.**
Goals and objectives in the Management Plan (A:1, A:2, A:3,G:1,G:2, pages 22-23).
 - Continually adding more information to the website to make it a valuable resource to Bell County along with utilizing 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.

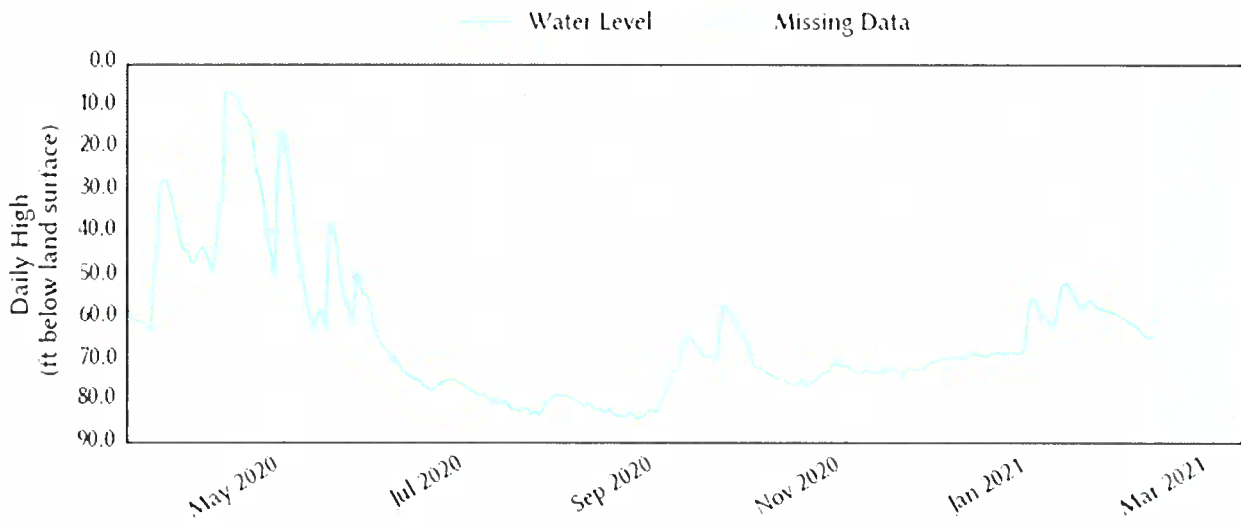
June 2021

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

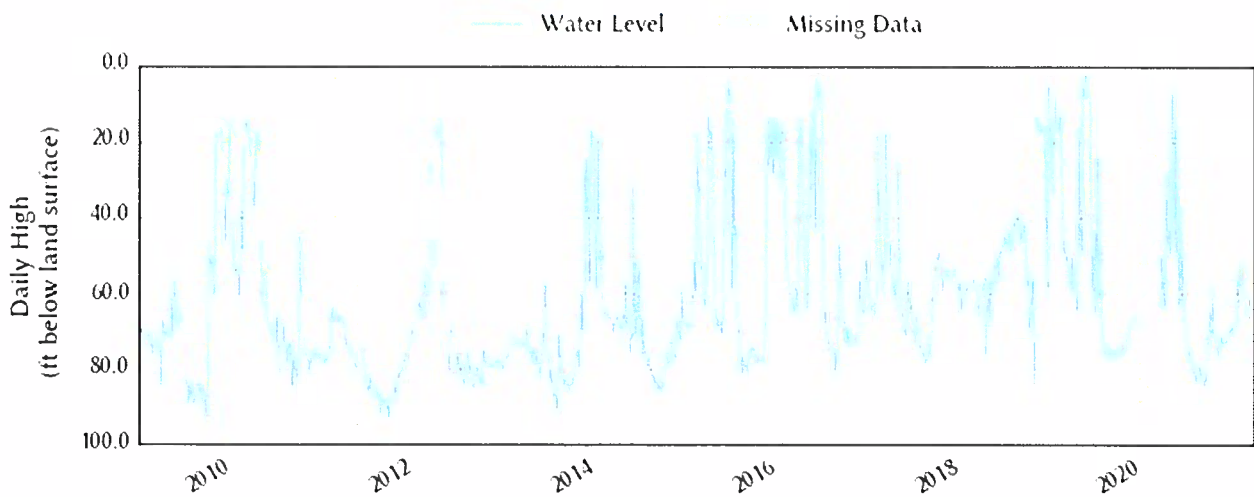
Last 30 Days



1 Year



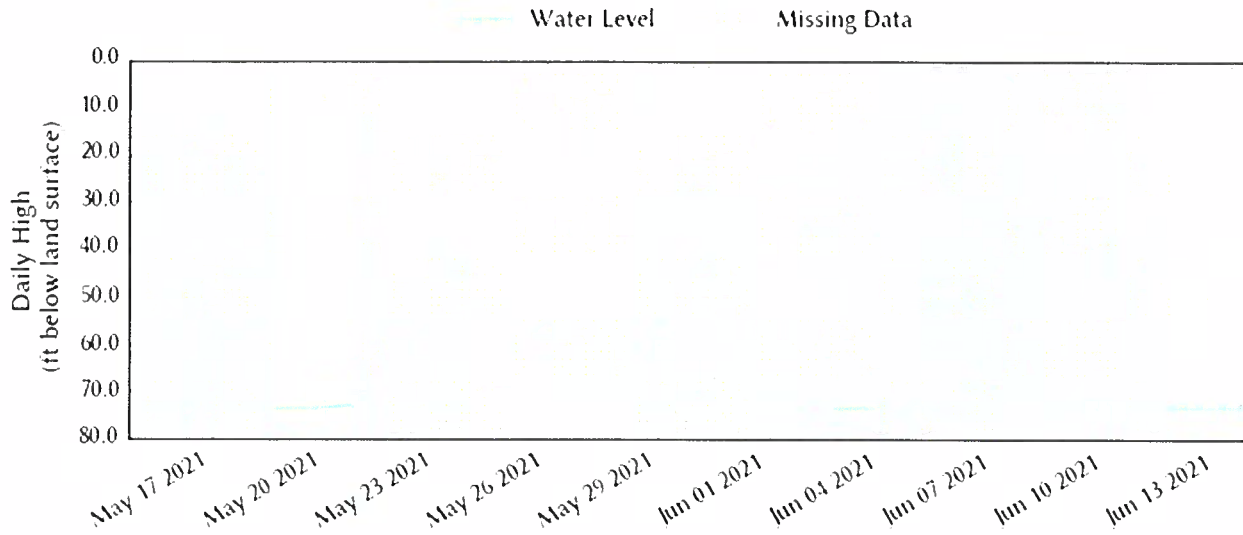
Period Of Record



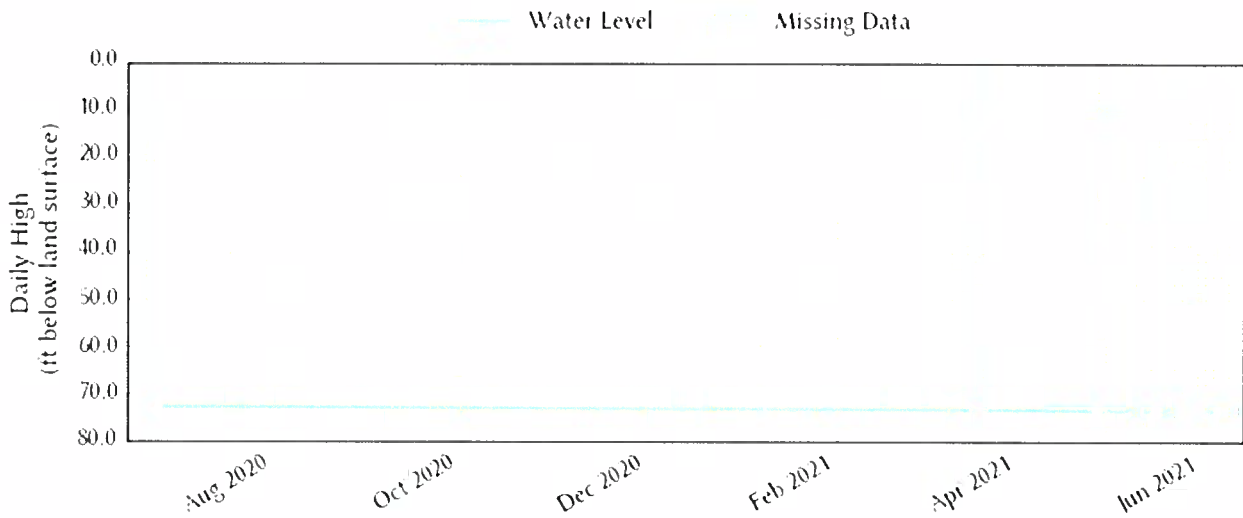
June 2021

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

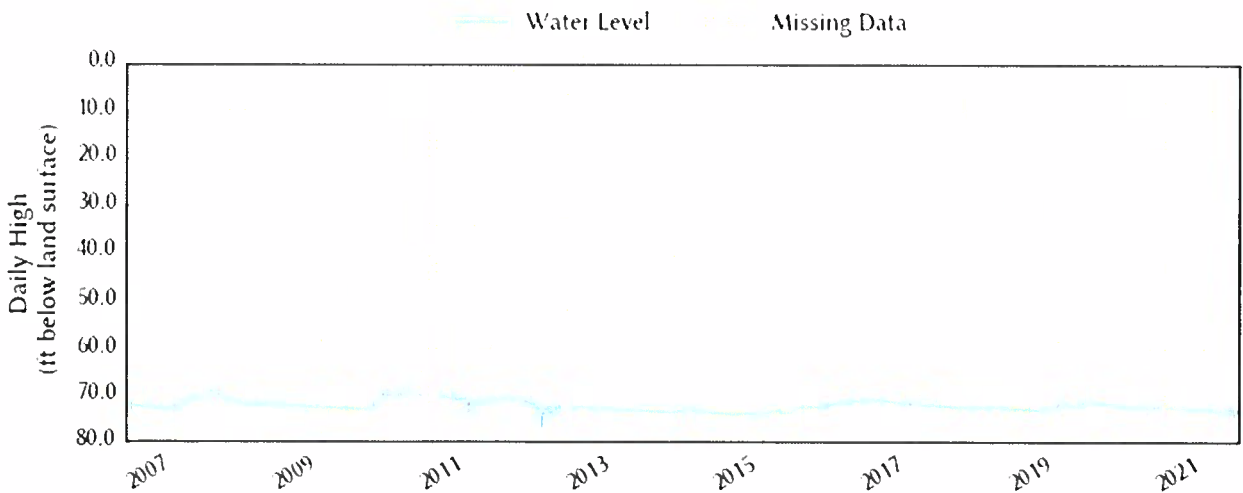
Last 30 Days



1 Year

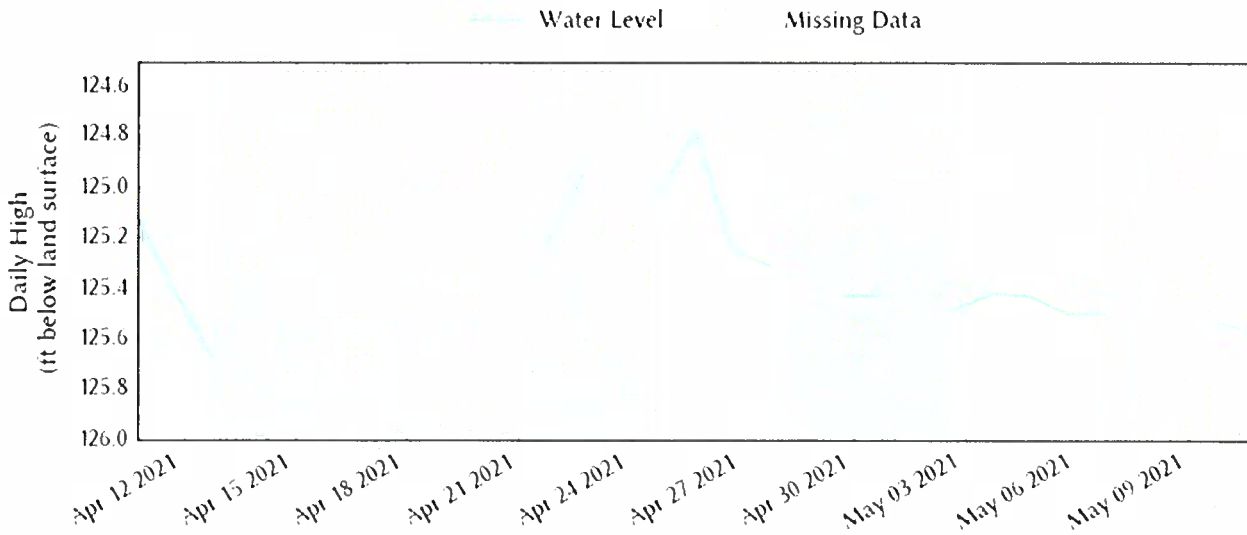


Period Of Record

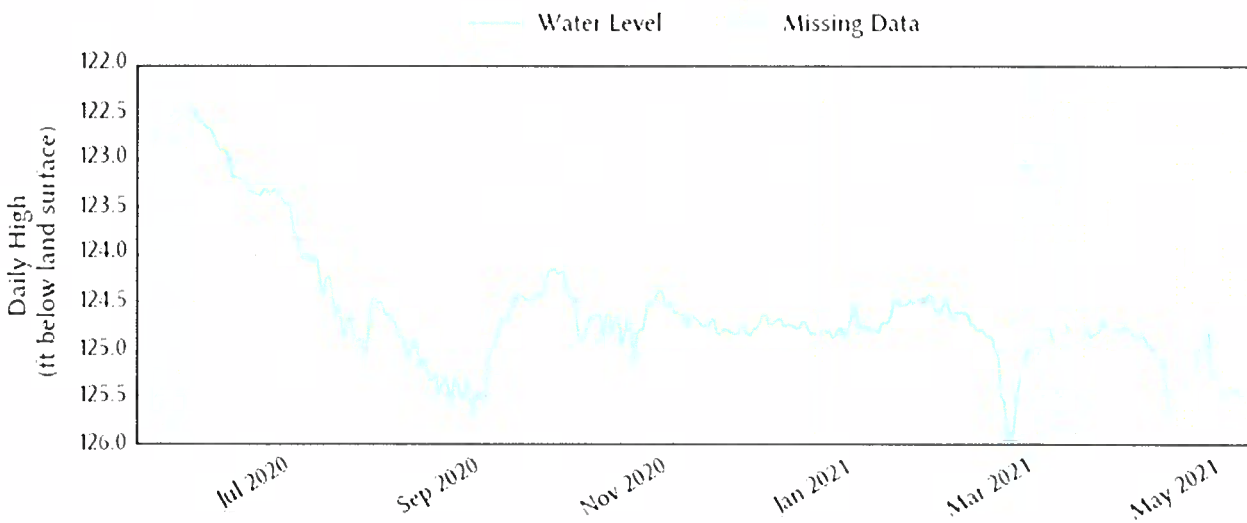


Continuous Monitoring Well # 5804816
(IH-35 Rest Stop - West)
Edwards Aquifer

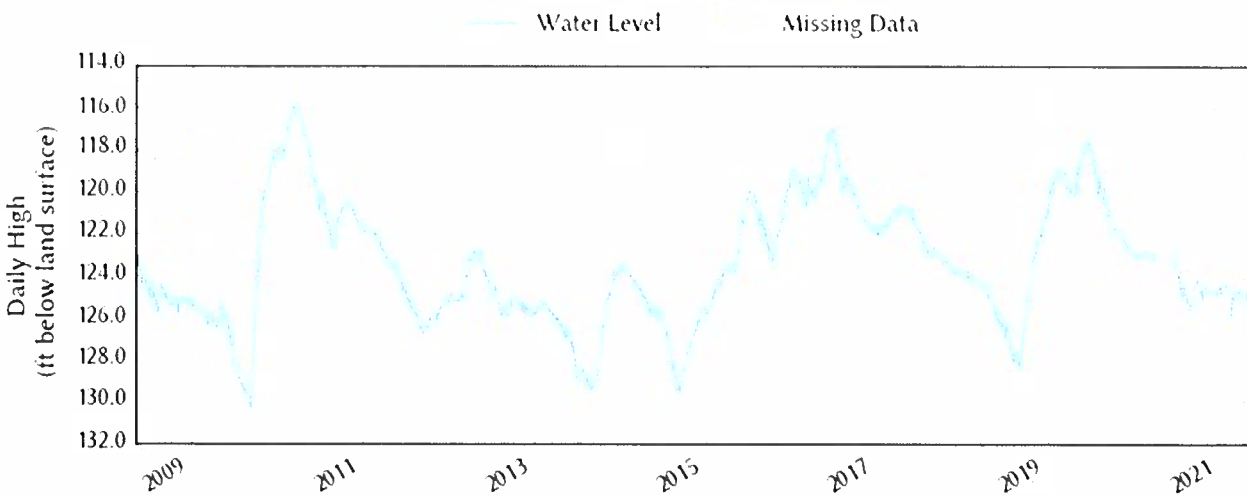
Last 30 Days



1 Year



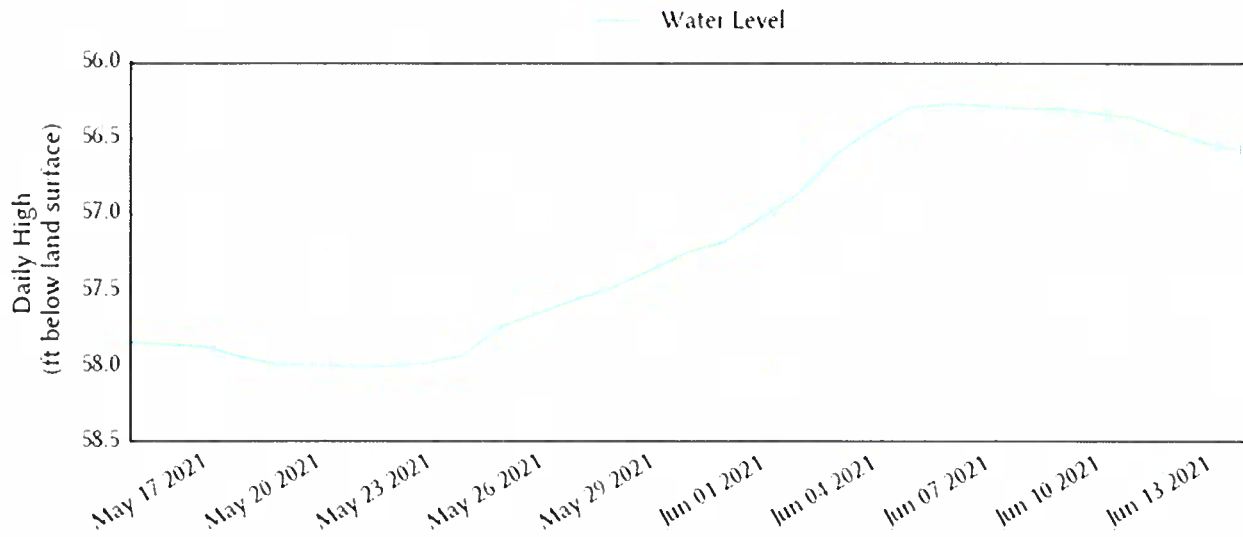
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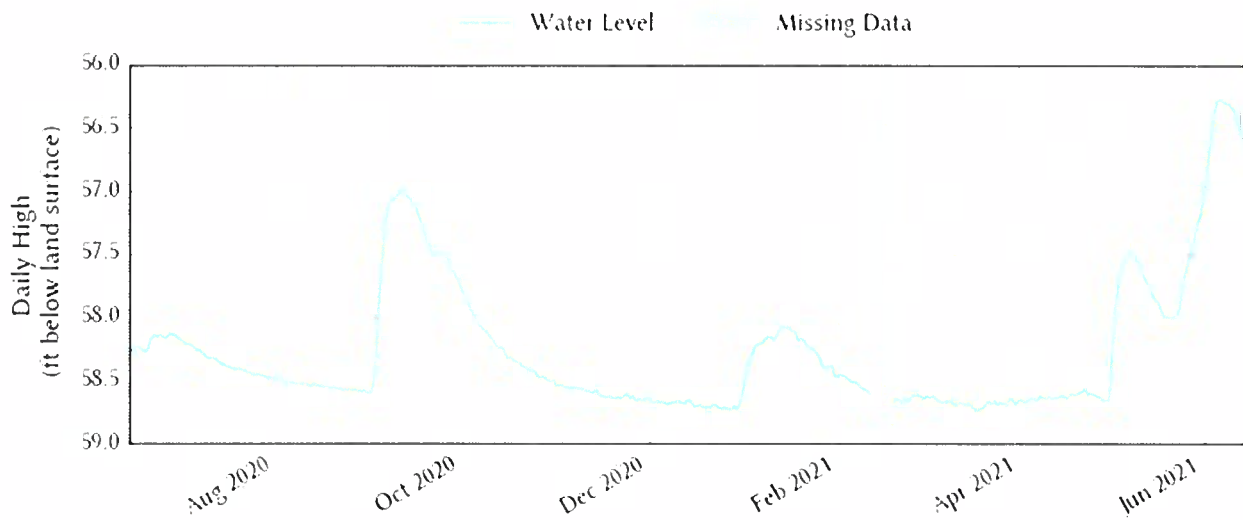
June 2021

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

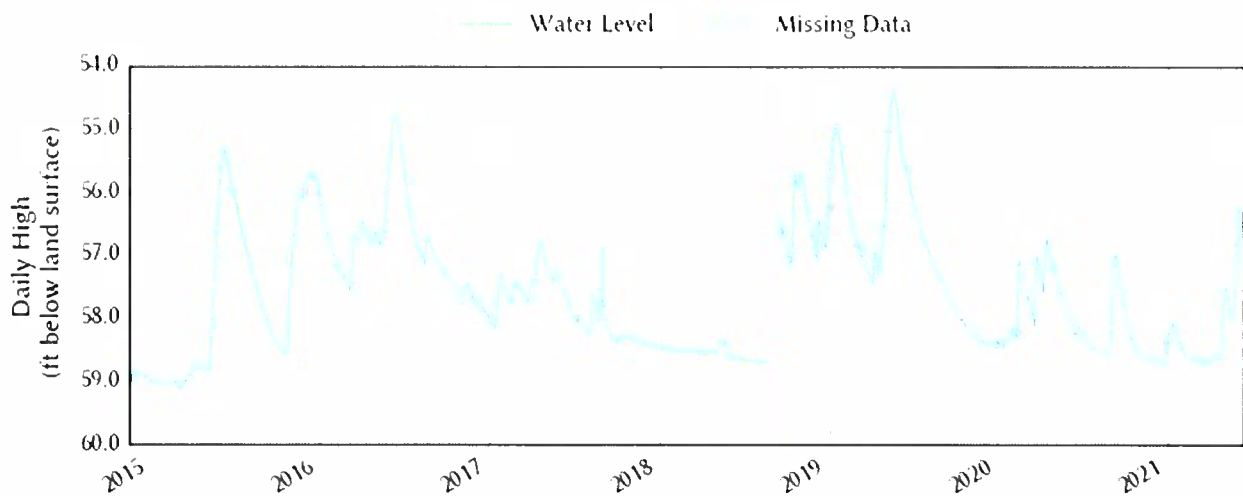
Last 30 Days



1 Year

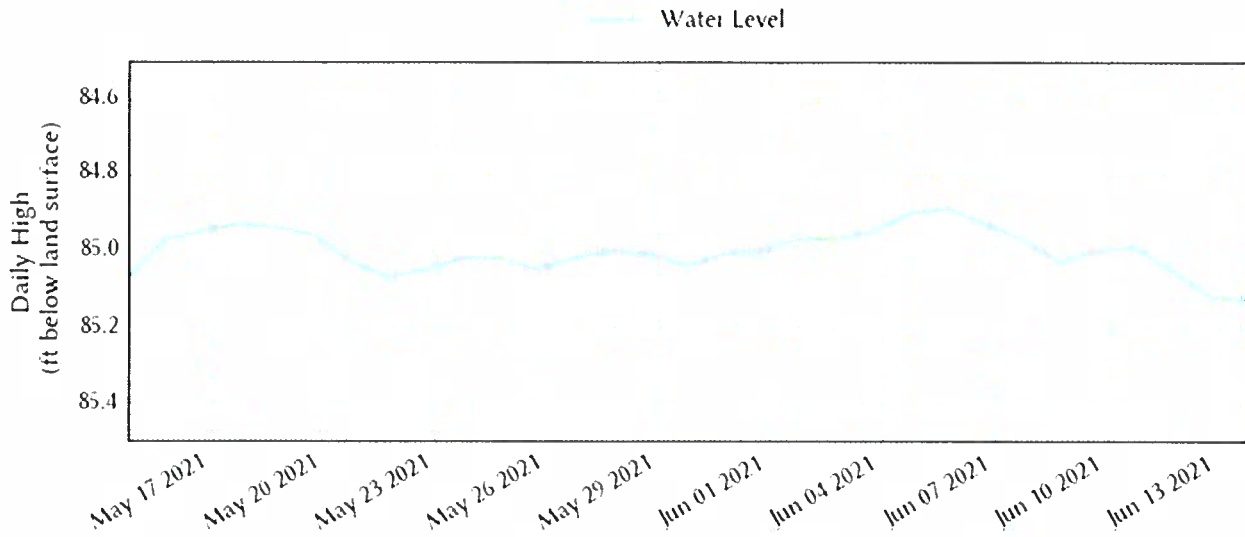


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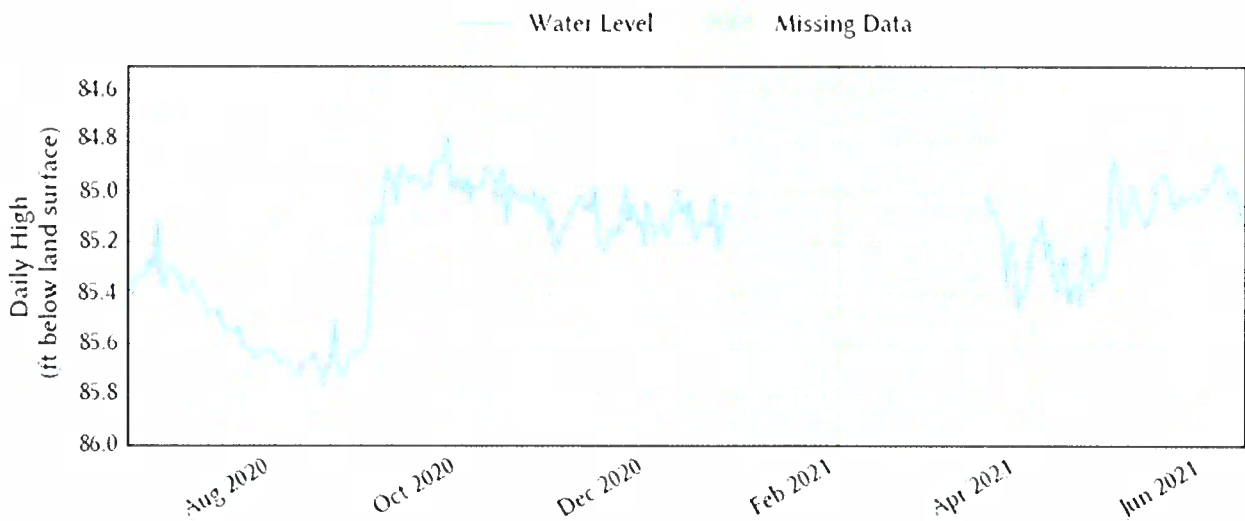


Continuous Monitoring Well # 4058201
(Central Texas College - Ranch Rd)
Upper Trinity Aquifer

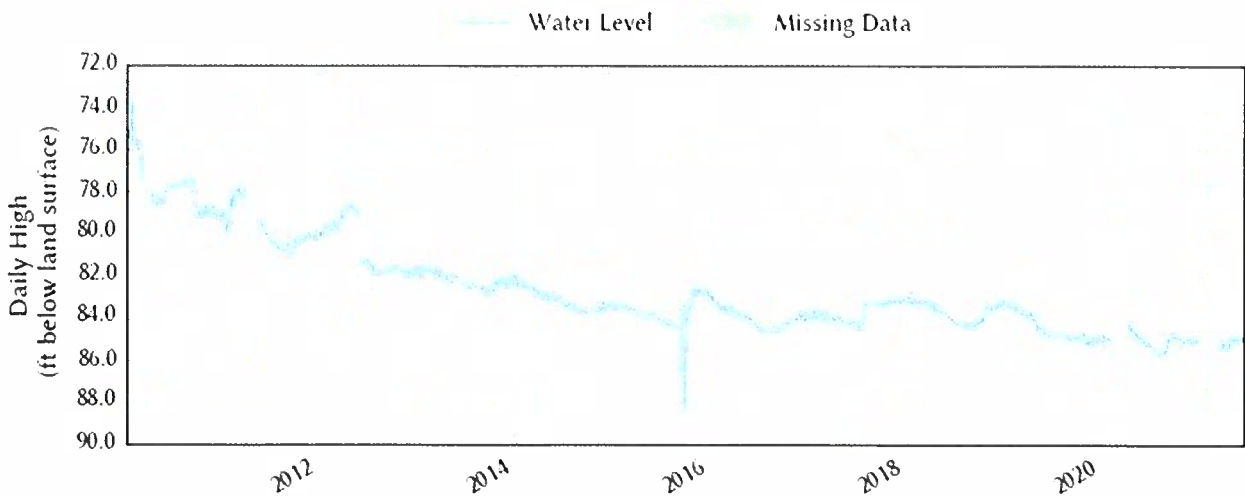
Last 30 Days



1 Year



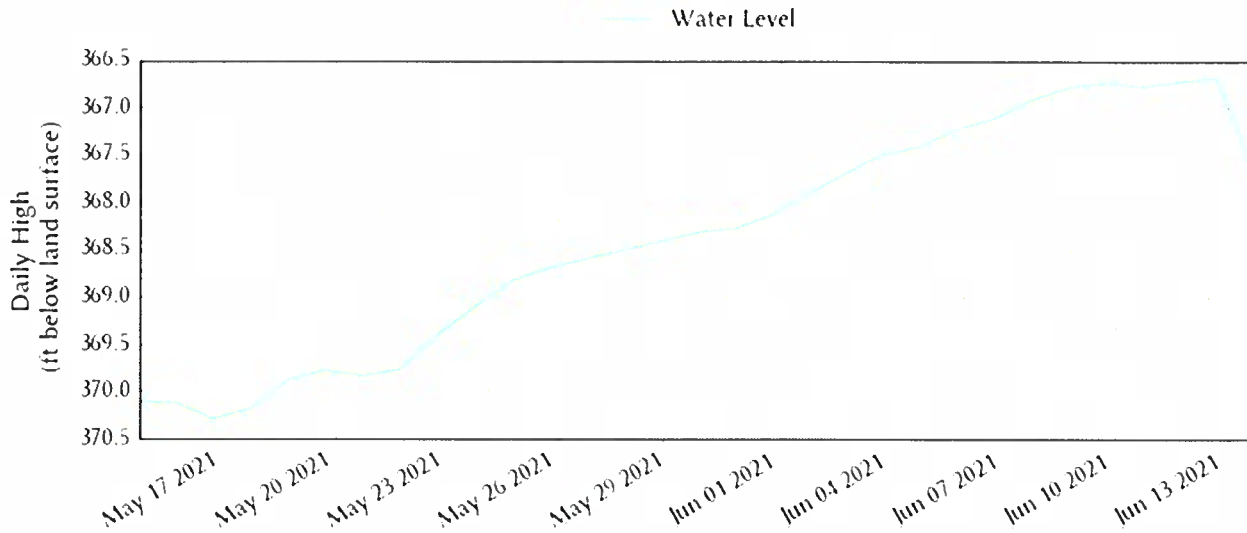
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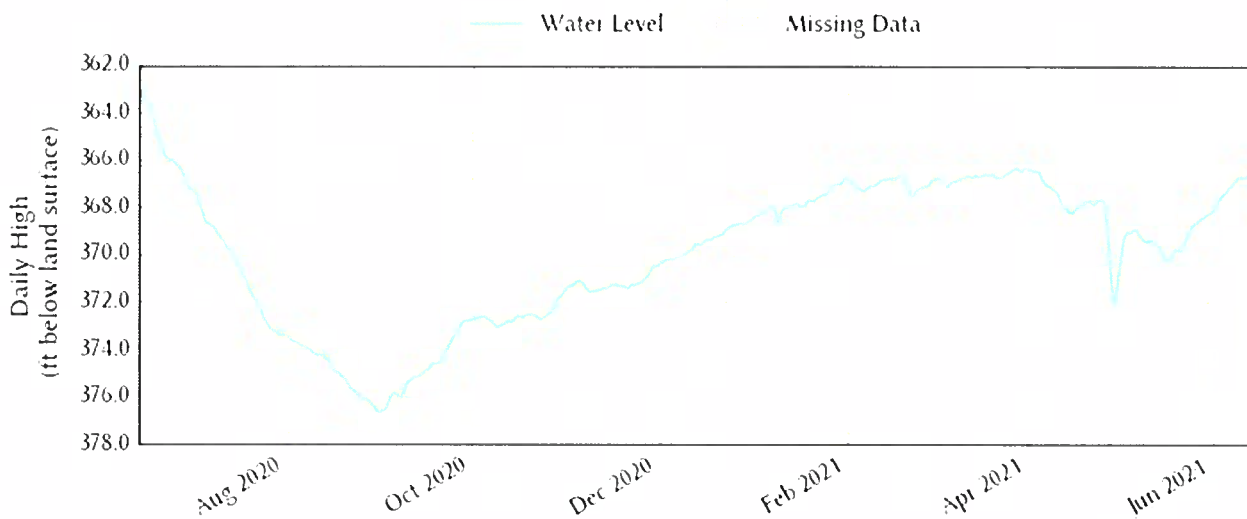
June 2021

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

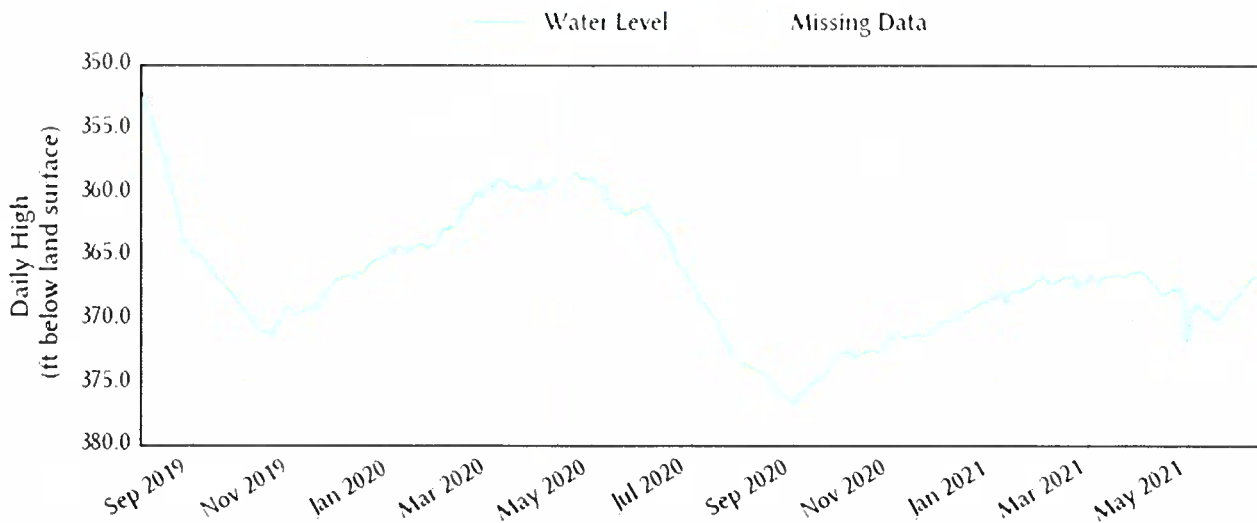
Last 30 Days



1 Year



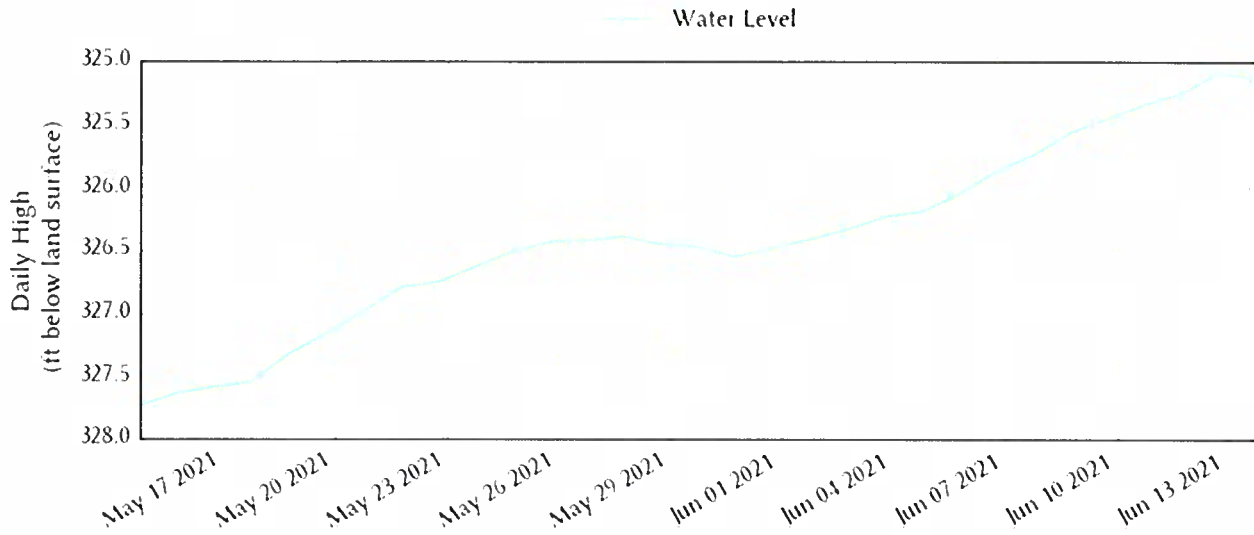
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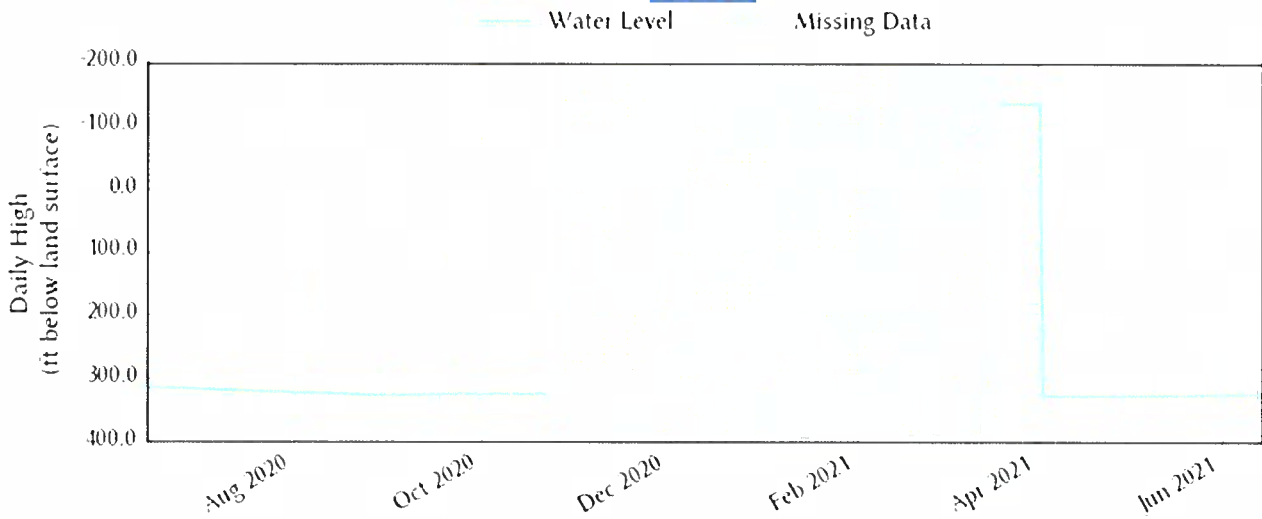
June 2021

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

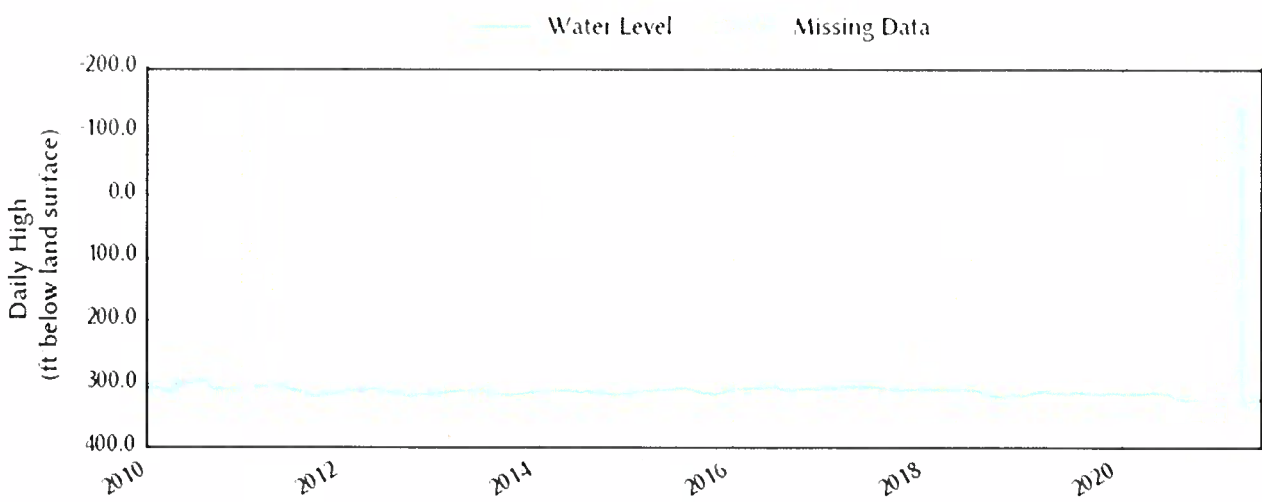
Last 30 Days



1 Year



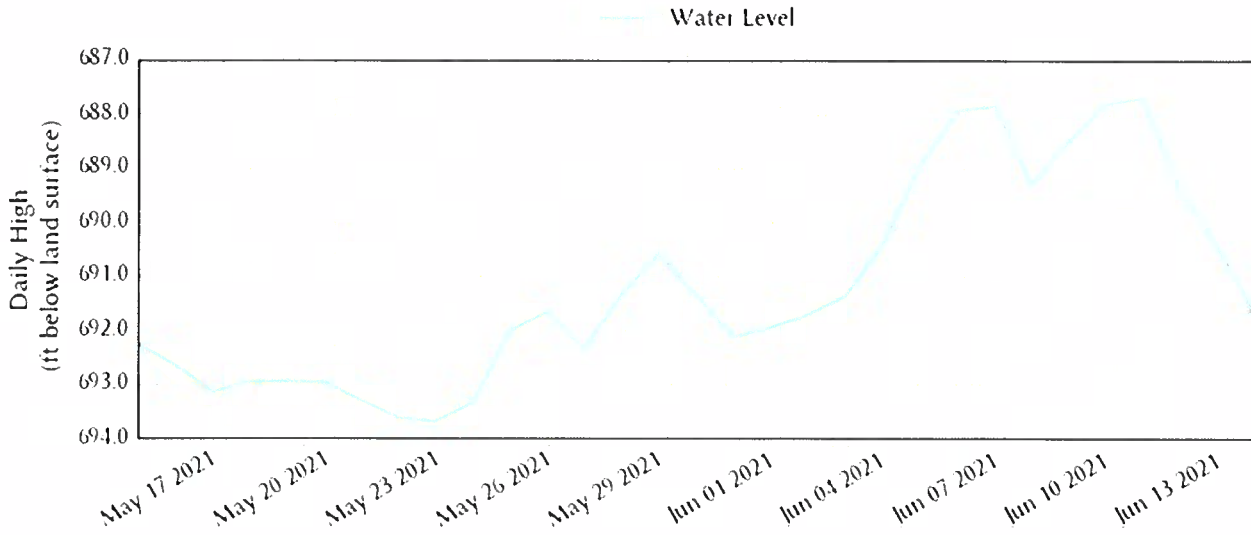
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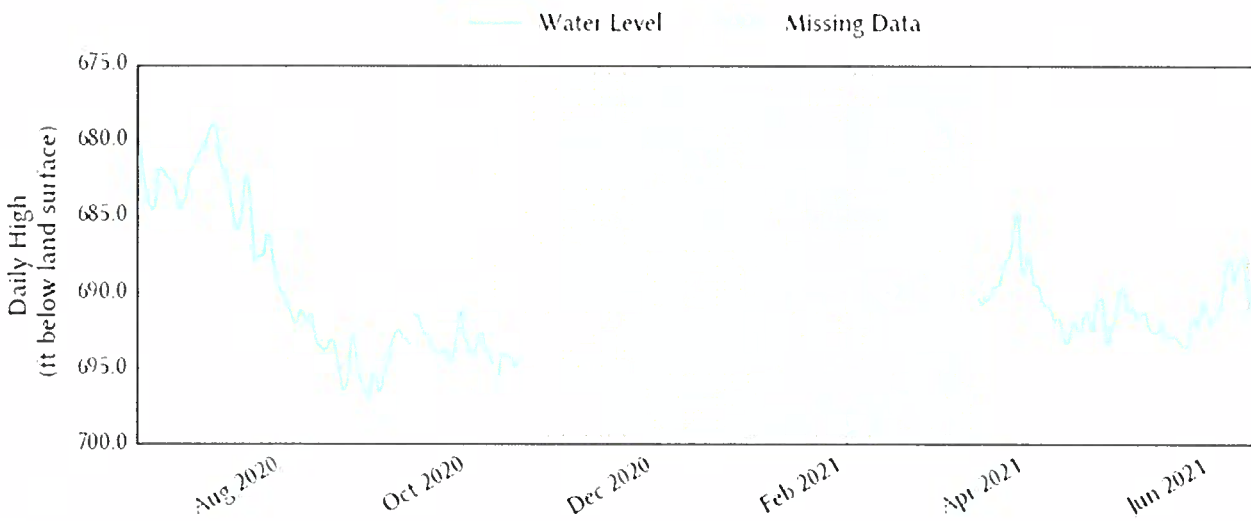
June 2021

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

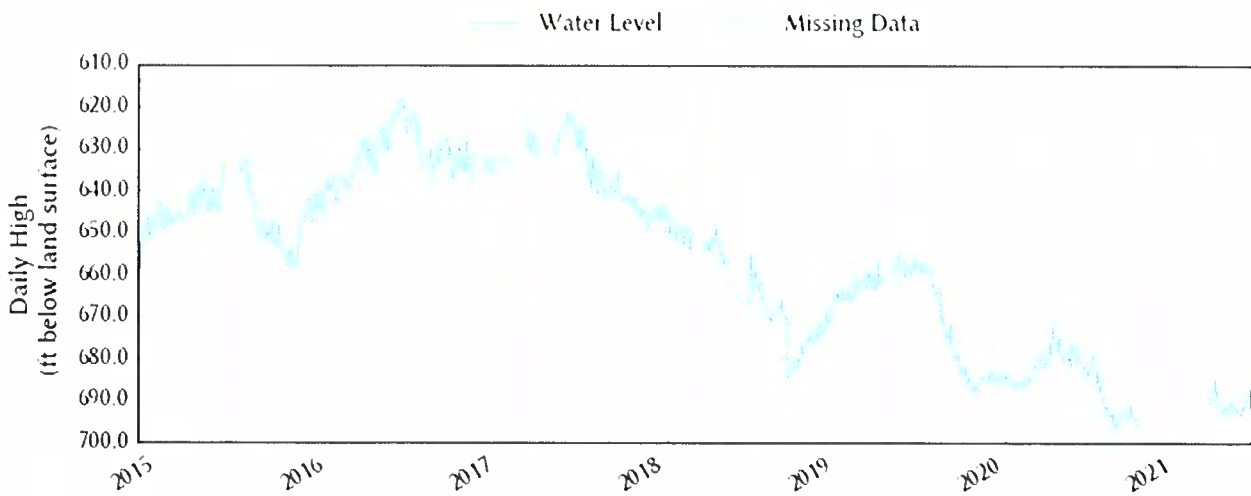
Last 30 Days



1 Year

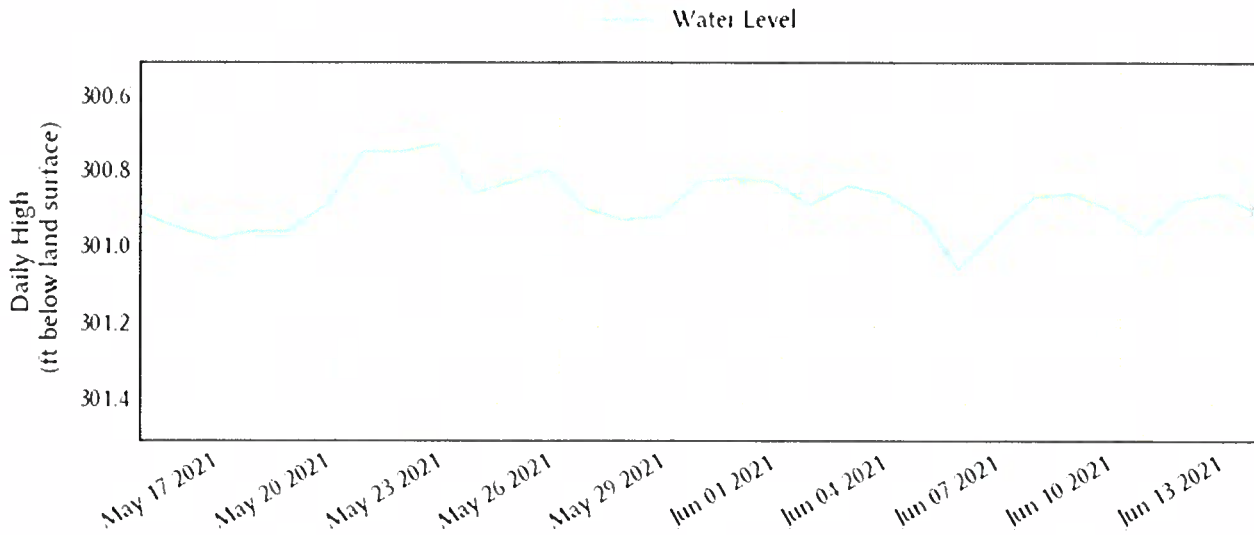


Period Of Record

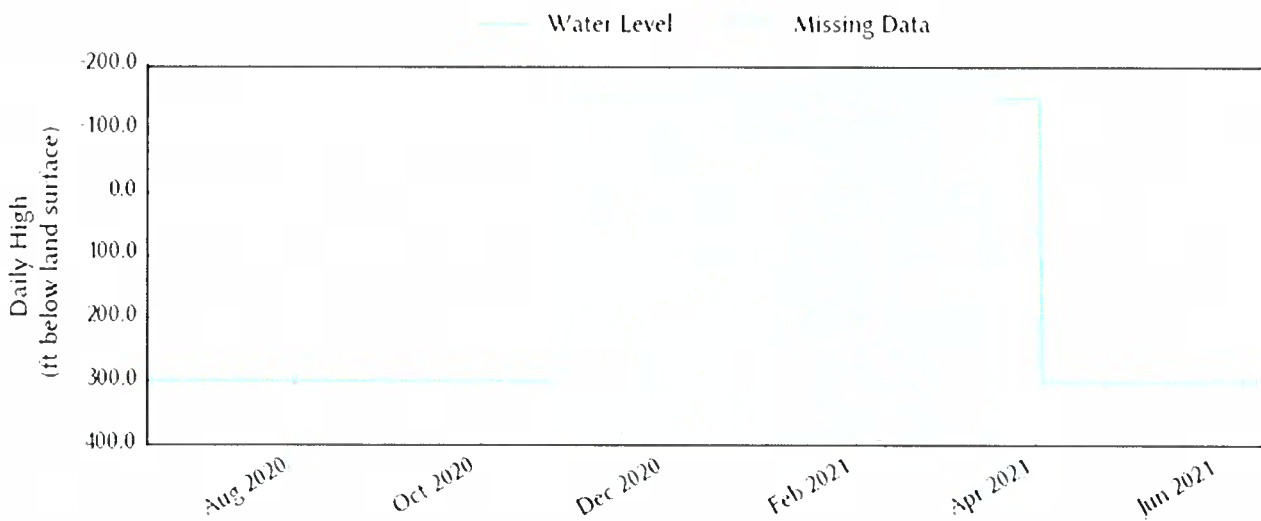


Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer

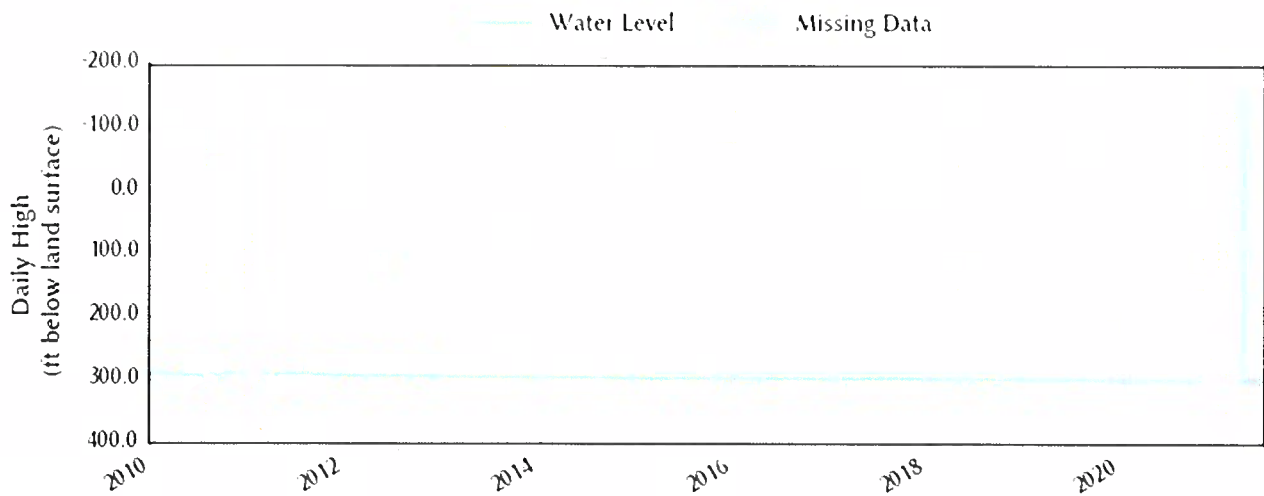
Last 30 Days



1 Year

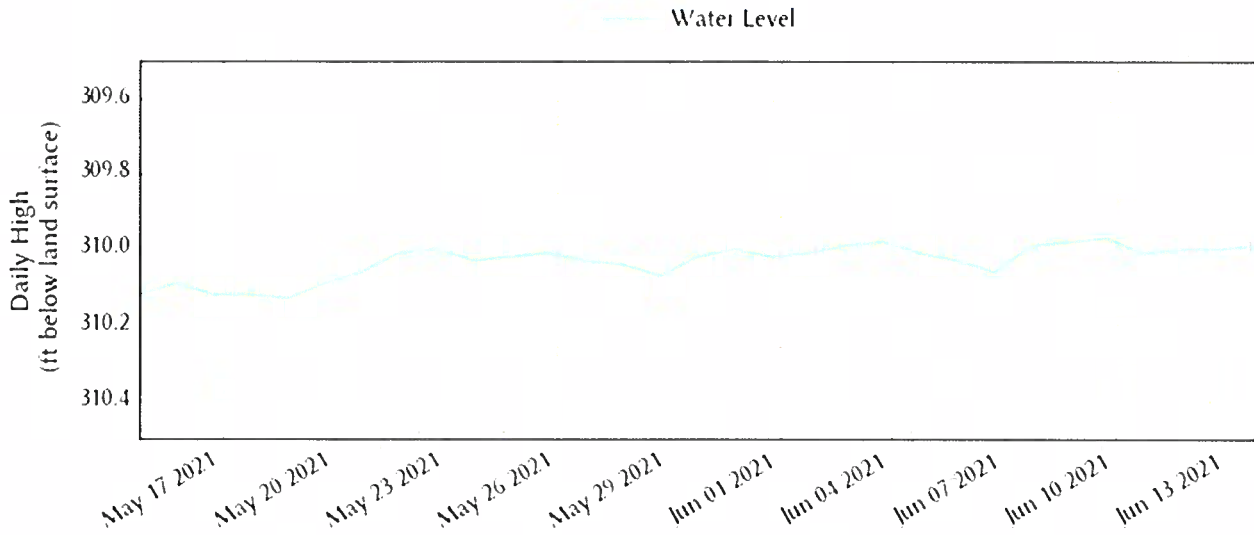


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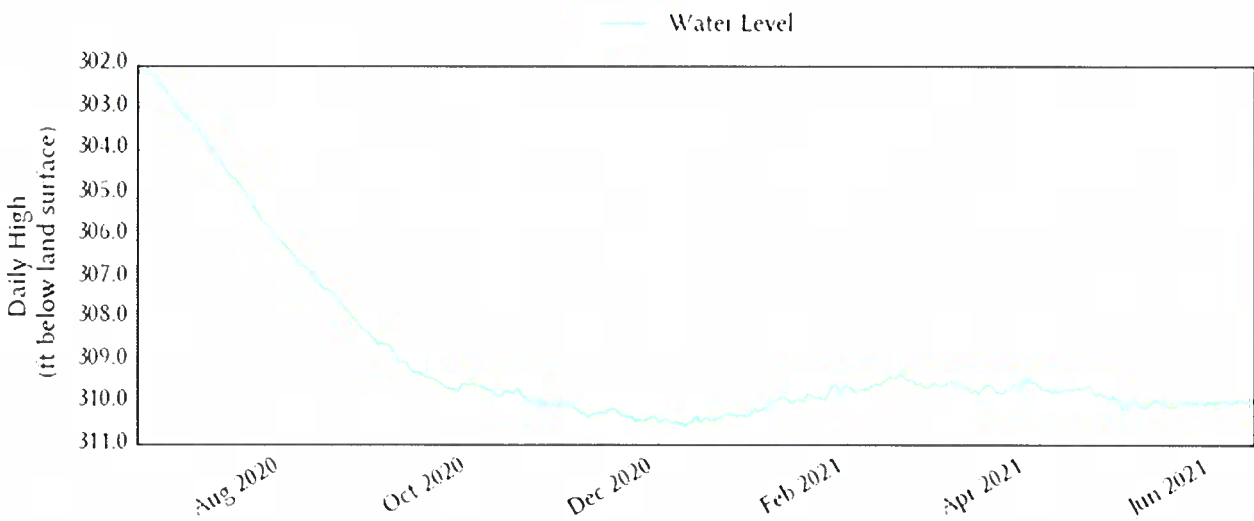


**Continuous Monitoring Well # 5802303
(Killeen - River Ridge Ranch Park Well #2)
Lower Trinity Aquifer**

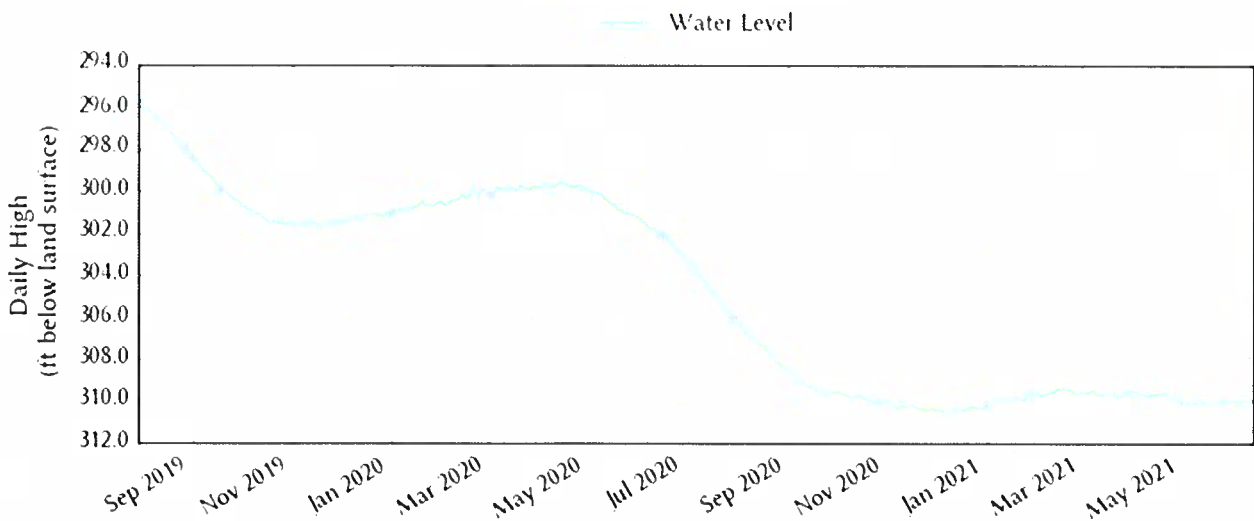
Last 30 Days



1 Year

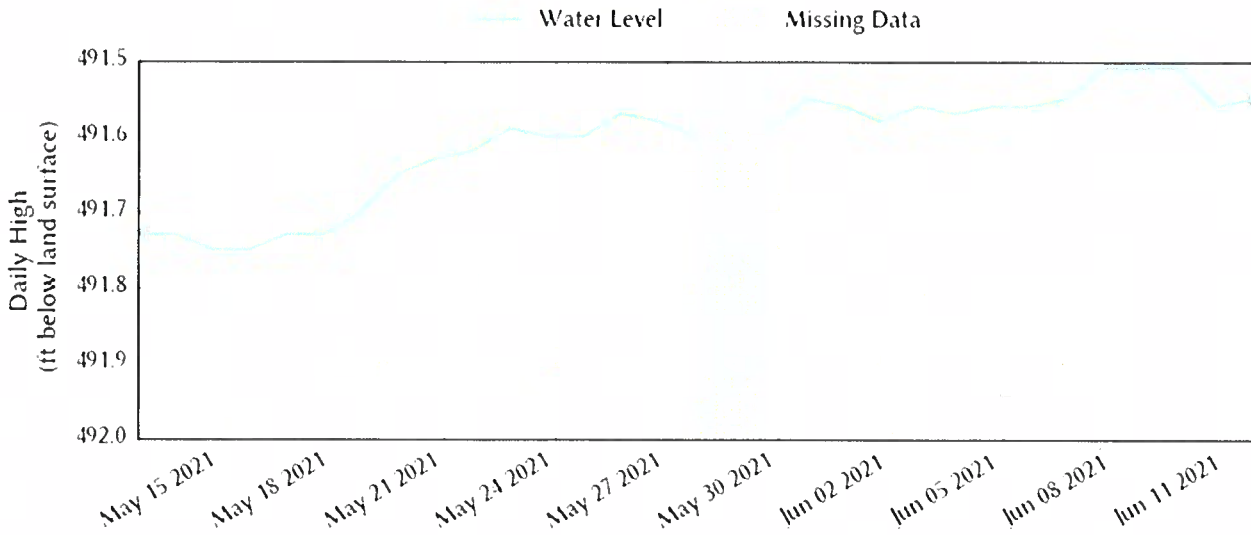


Period Of Record

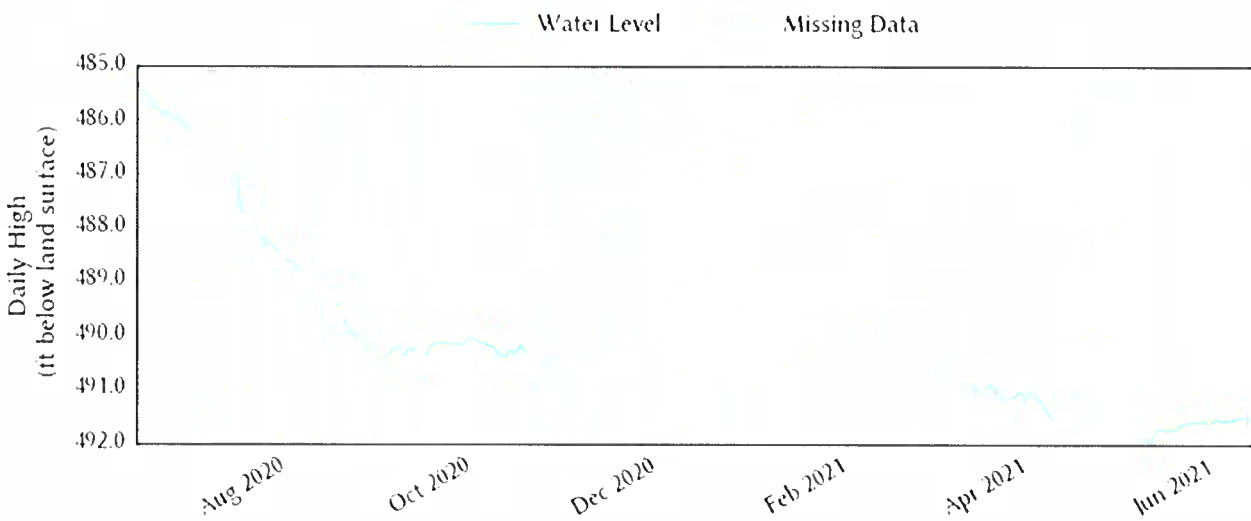


Continuous Monitoring Well # 4054701
(Temple - Cearley Well)
Lower Trinity Aquifer

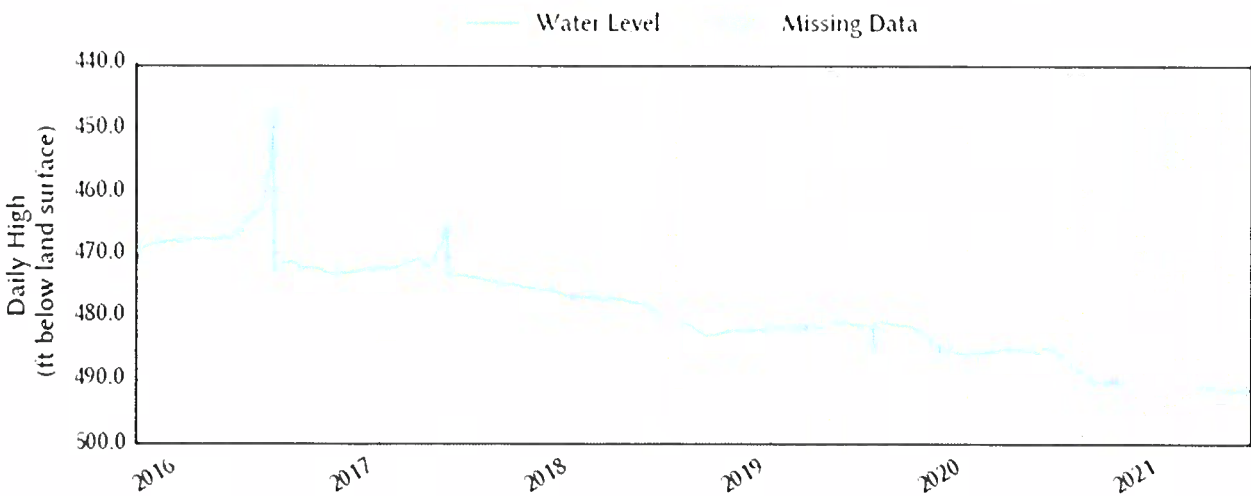
Last 30 Days



1 Year

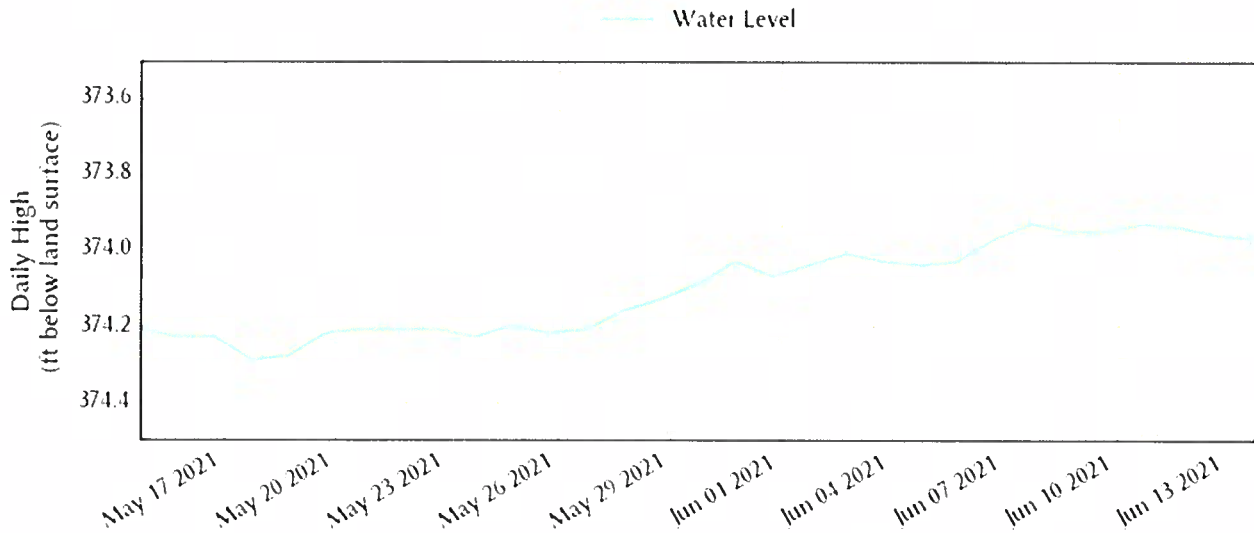


Period Of Record

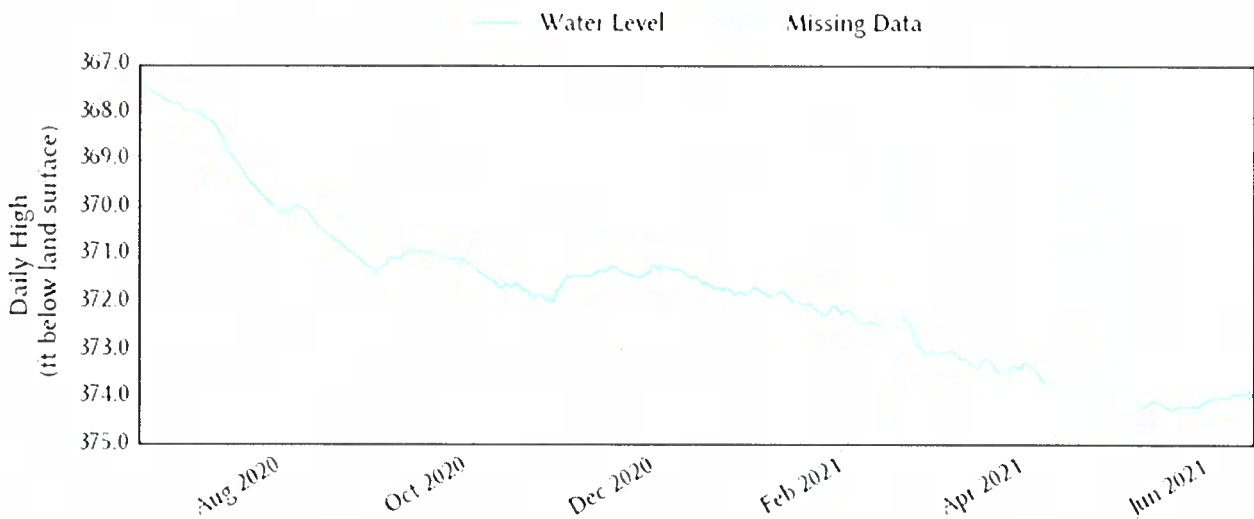


**Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer**

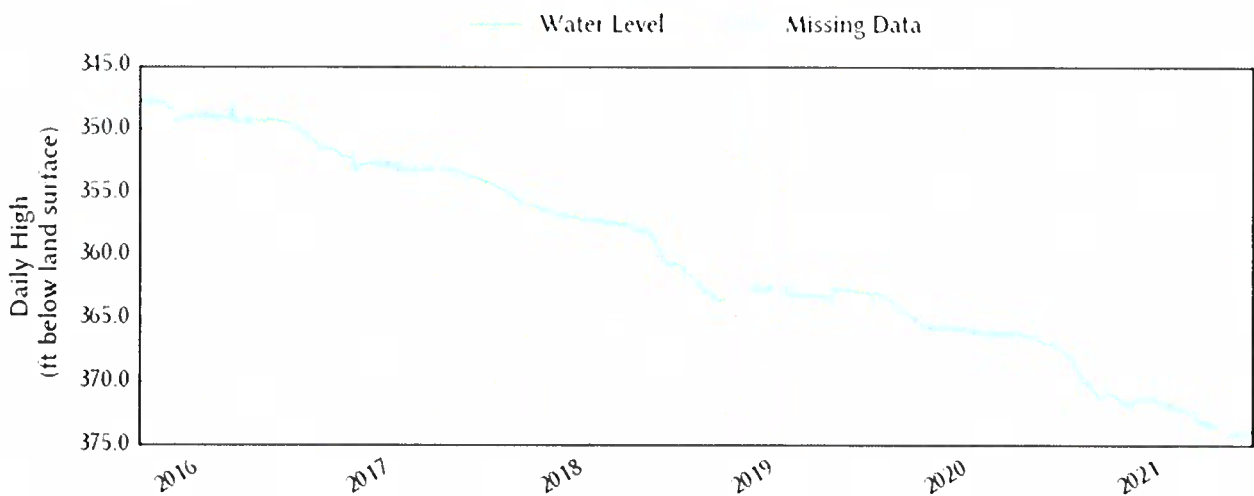
Last 30 Days



1 Year



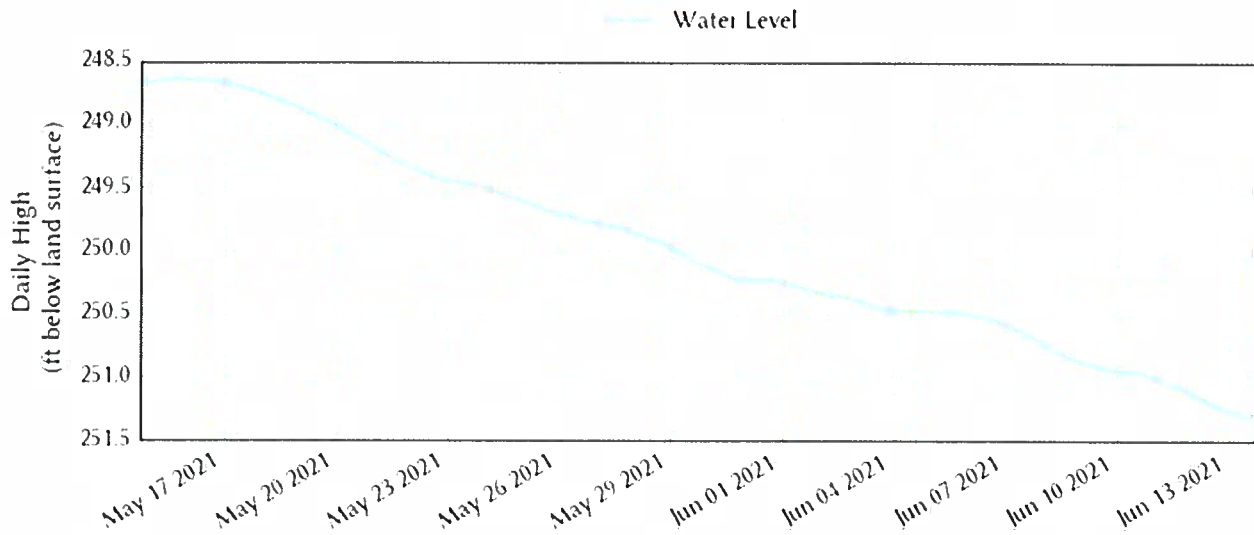
Period Of Record



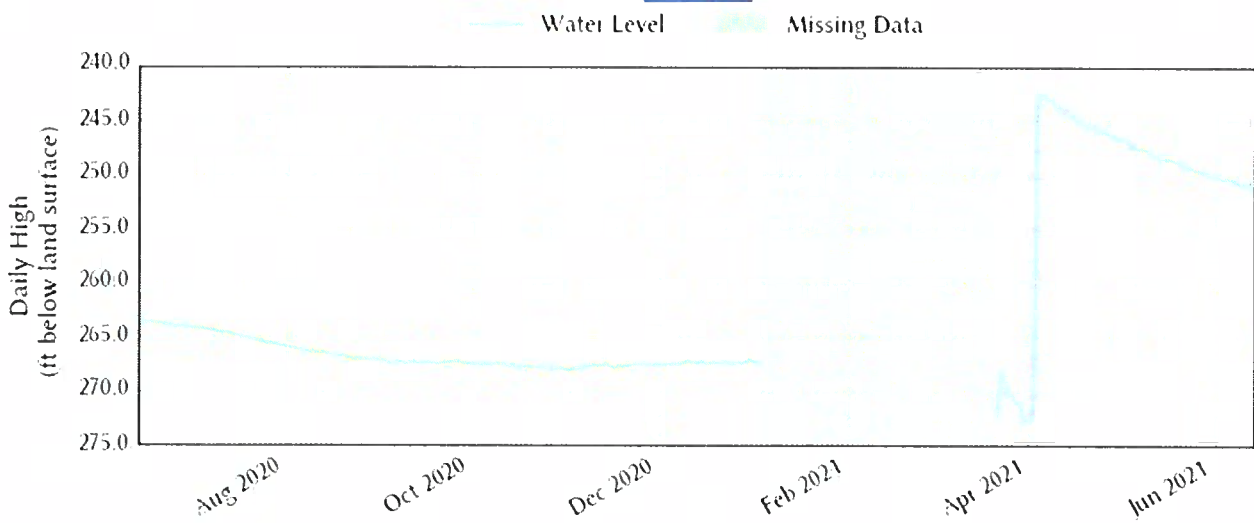
June 2021

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

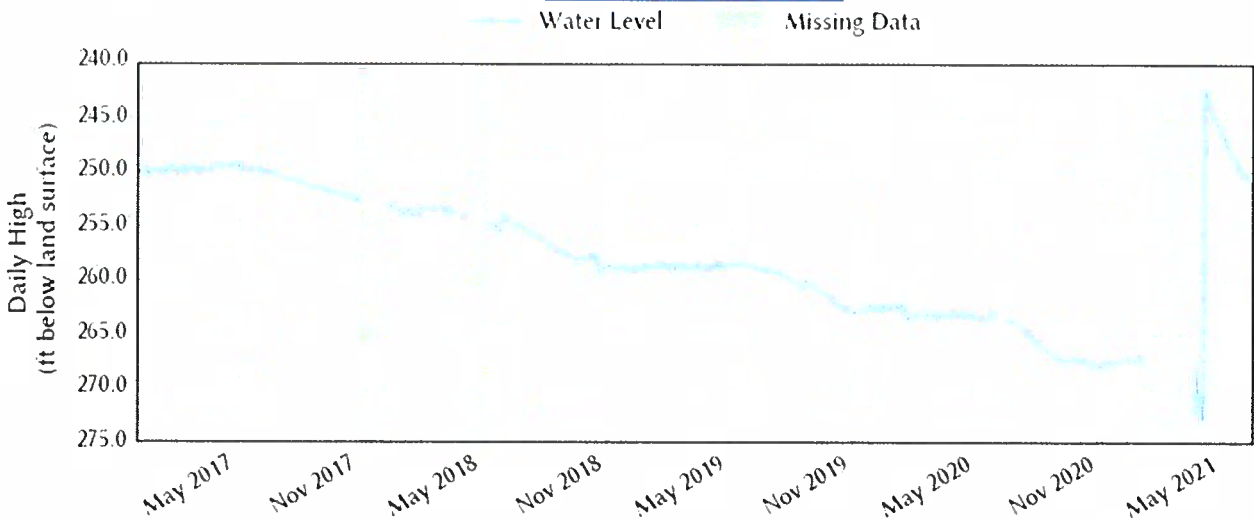
Last 30 Days



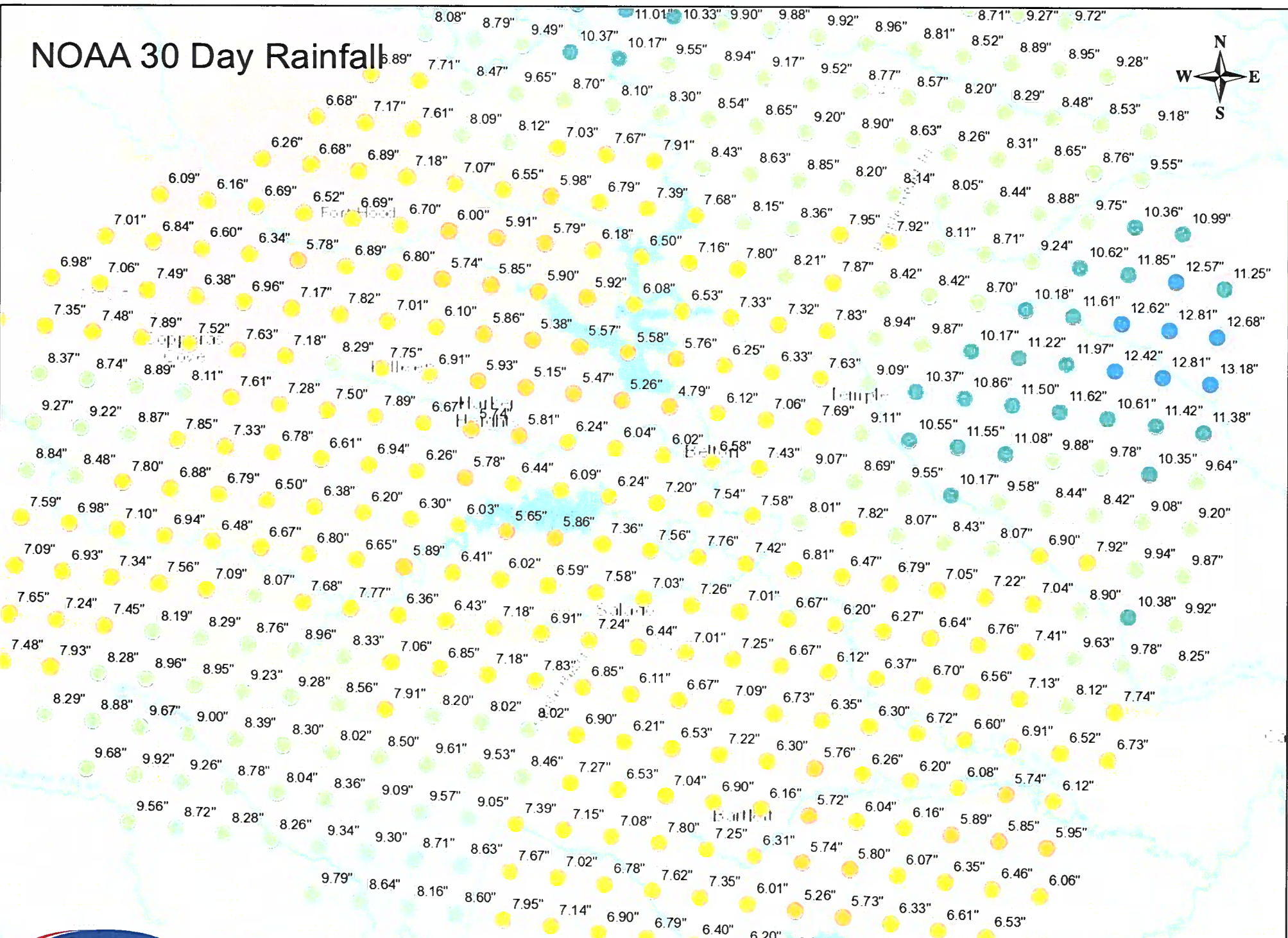
1 Year



Period Of Record

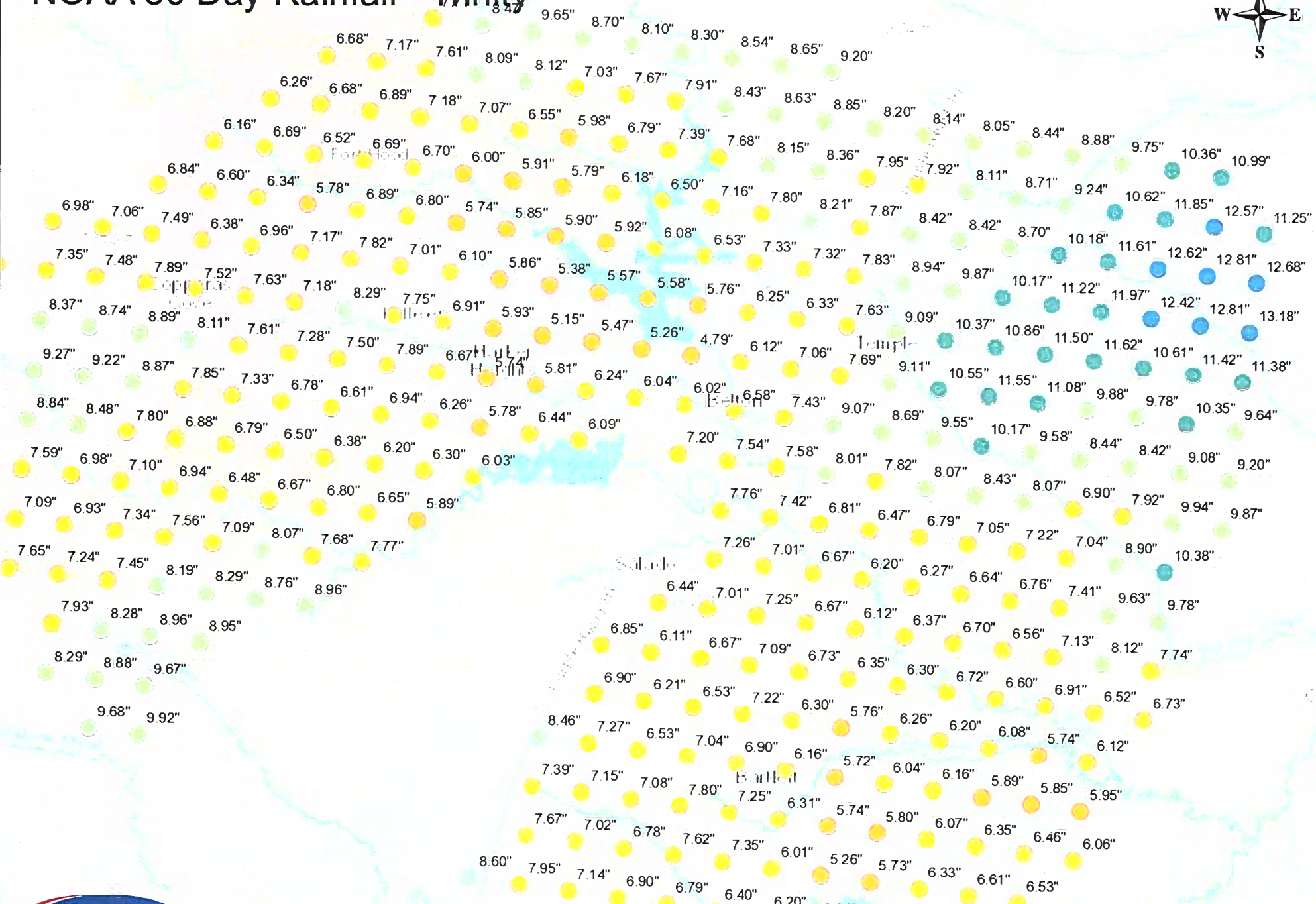


NOAA 30 Day Rainfall



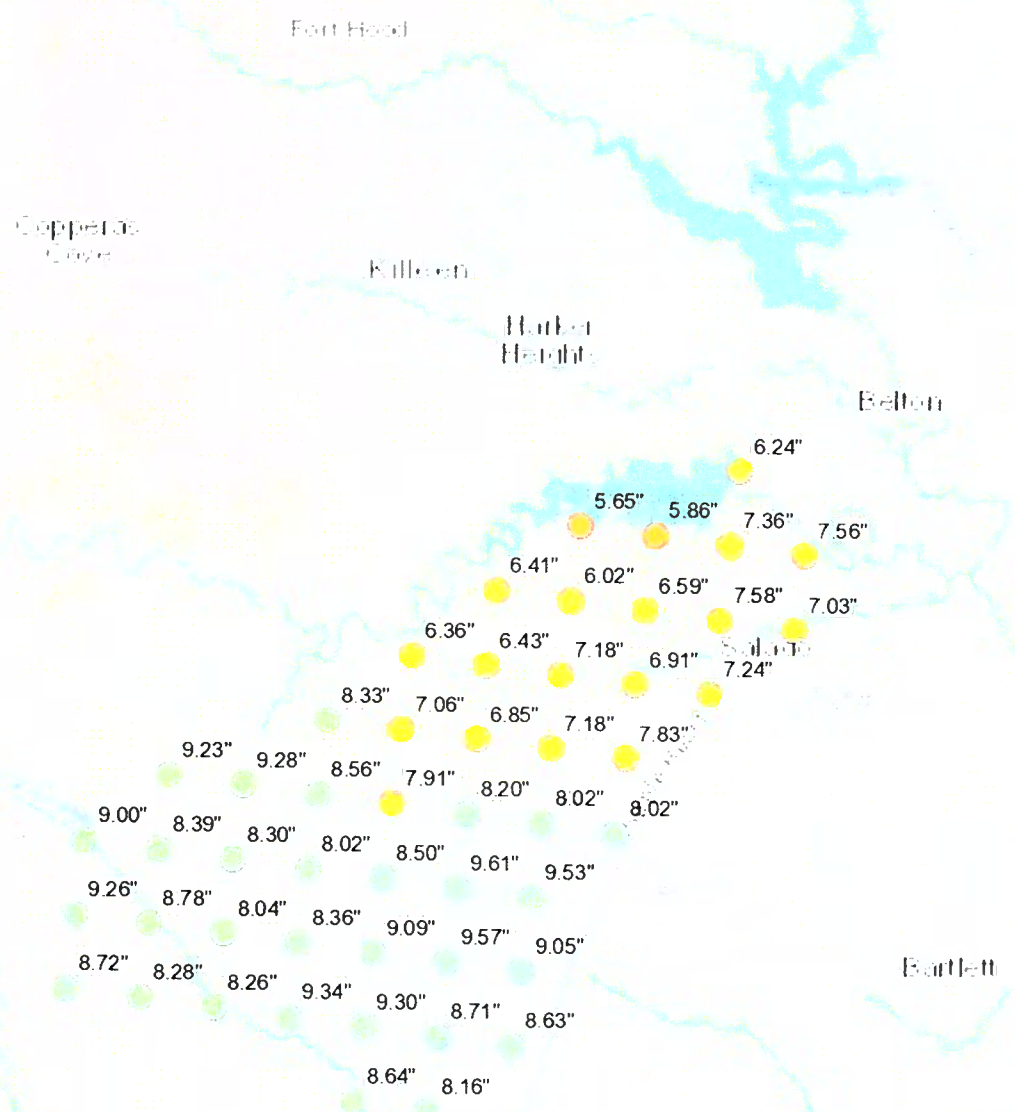
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Trinity



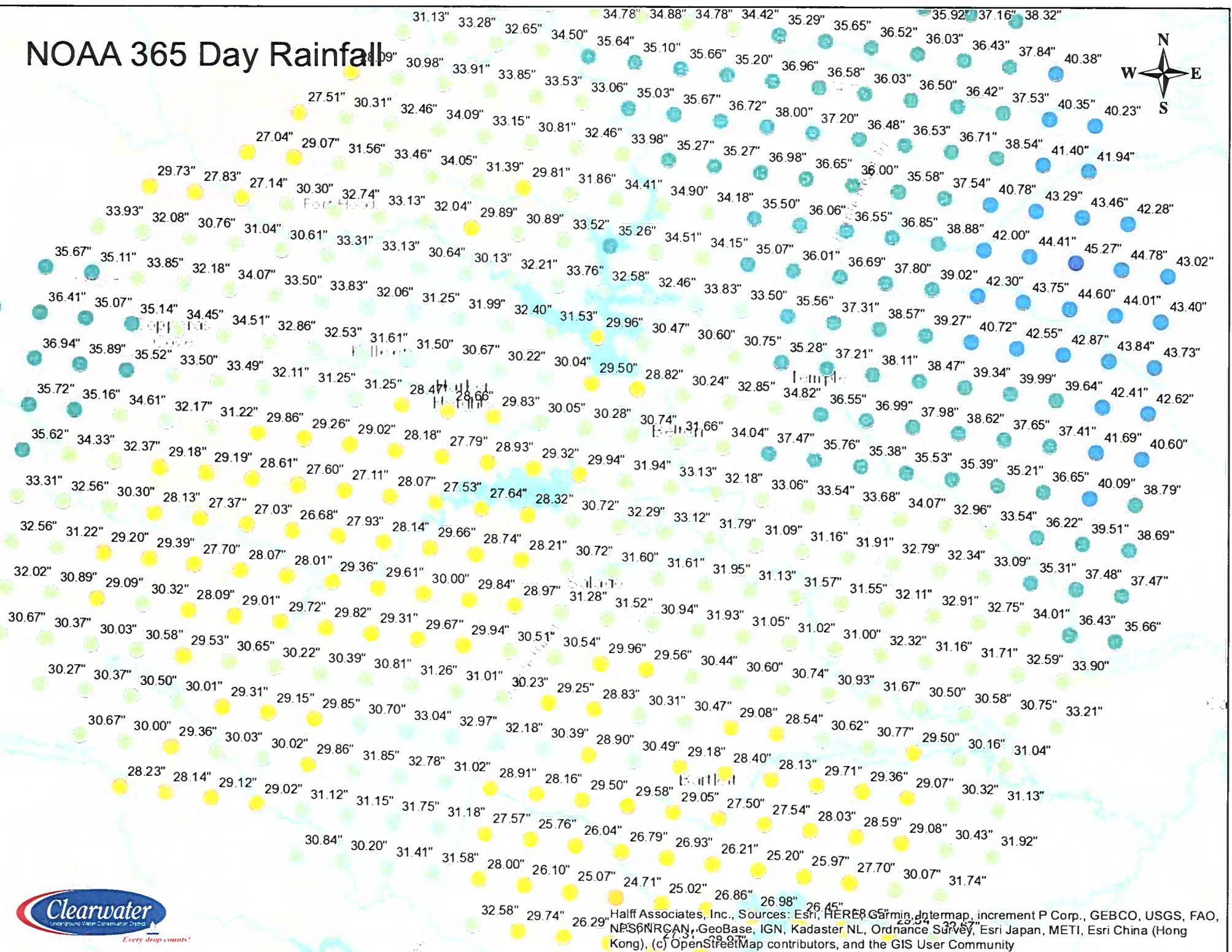
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Edwards



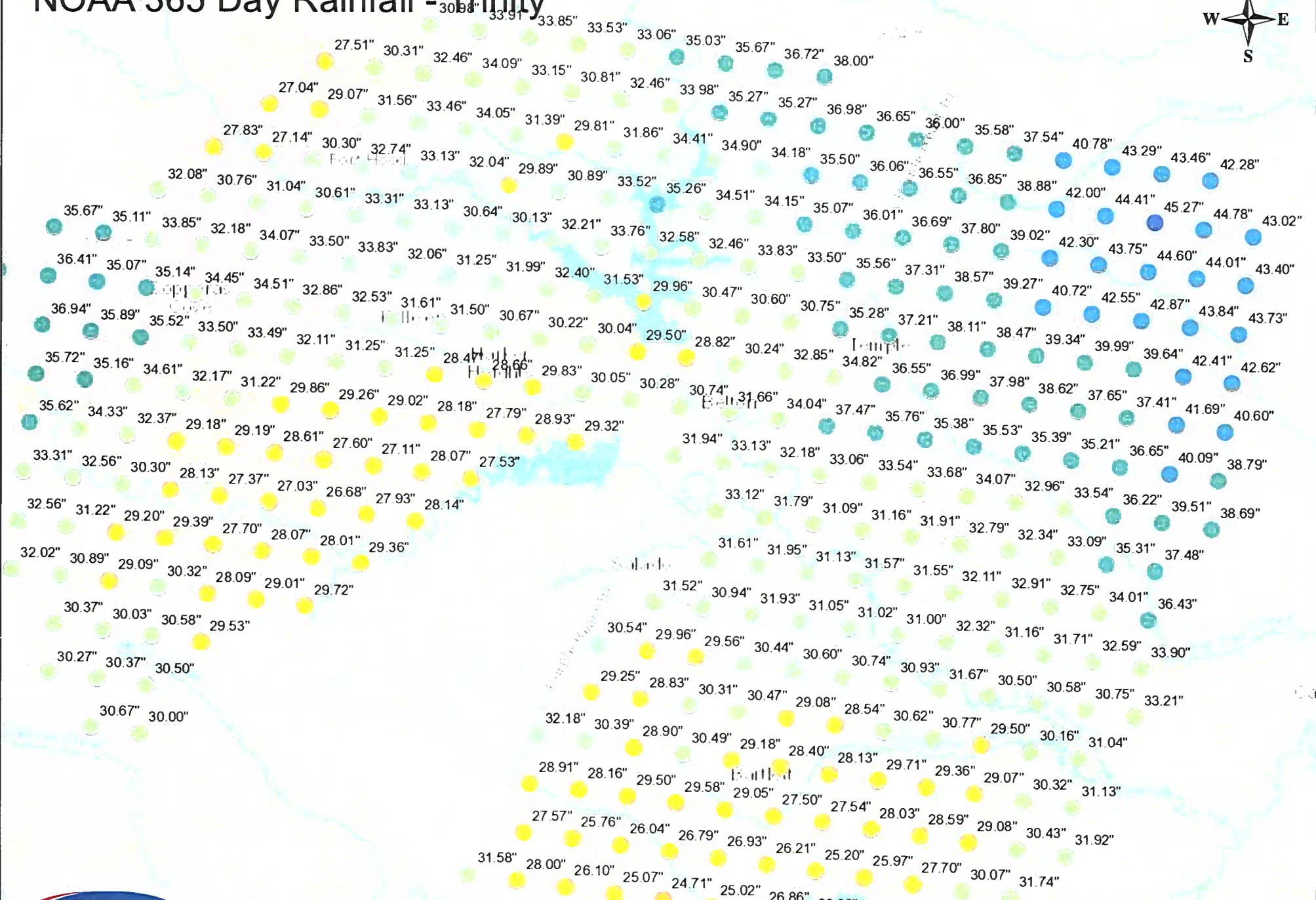
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall



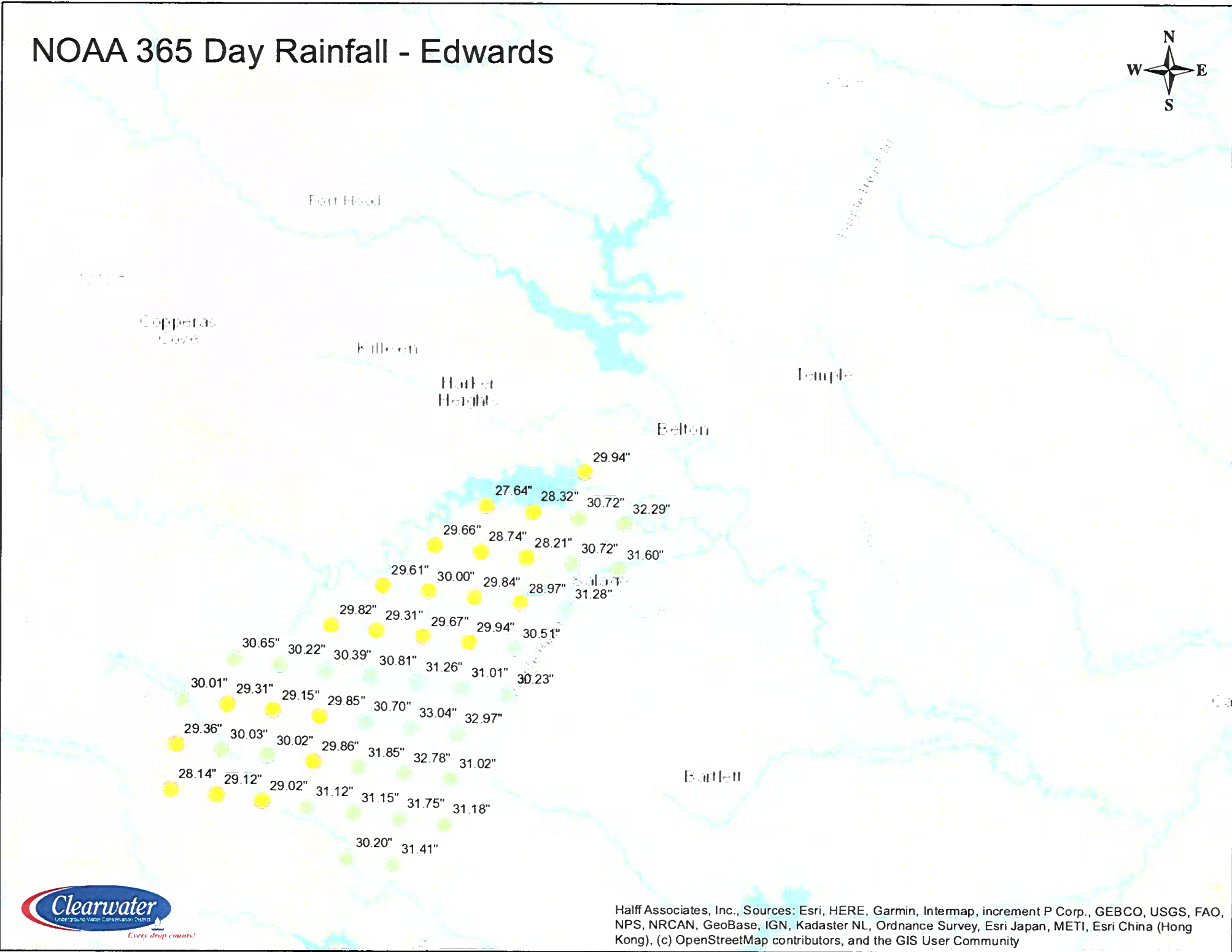
Half Associates, Inc., Sources: Esri, HERE, Garmin, DeLorme, InCREMENT P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall - Trinity



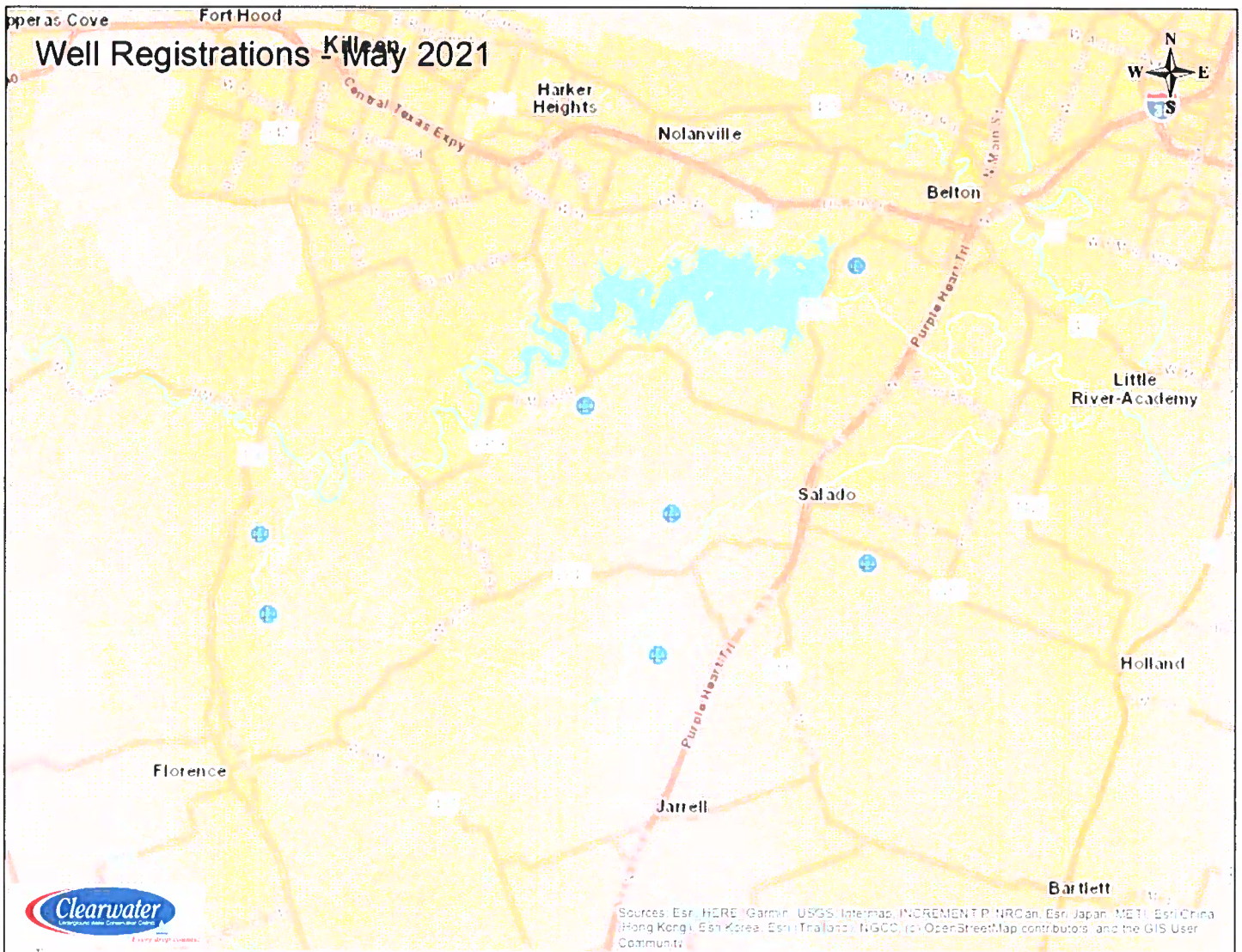
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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 - May 2021



<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-21-044P	Willy Sikkema	21201 Indian Mound Rd	Salado	Undeclared	910 ft	Domestic	Proposed
E-21-045GU	Victor Turley	13911 Blackberry Road	Salado	Alluvium	25 ft	Domestic	Abandoned
E-21-046P	Ronald Denison	431 Buckeye Rd	Killeen	Undeclared	650 ft	Domestic	Proposed
E-21-047G	Whitis Land Invstmnts	3000 Illinois Ave	Killeen	Undeclared	125 ft	Domestic	Abandoned
E-21-048P	Don Walker	1415 Crystal Springs Court	Salado	Undeclared	860 ft	Domestic	Proposed
E-21-049P	Ray Berkitt	4905 John David Dr Apt. B	Killeen	Undeclared	520 ft	Domestic	Proposed
E-21-050P	Dylan Dorow	12322 Eagles Nest Rd	Salado	Undeclared	880 ft	Domestic	Proposed

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								0
July								0
Aug								0
Sep								0
Oct								0
Nov								0
Dec								0
Total 2021	16	37	1	2	1	0	0	57
Totals	4440	1101	106	38	62	26	121	5894

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002-Present	4440	1101	106	38	62	26	121	5894
Never Drilled	N/A	-27	N/A	-3	-4	0	-1	-35
Plugged	-203	-42	-18	-2	-1	-2	-53	-321
Totals	4237	1032	88	33	57	24	67	5538