



Every drop counts!

Clearwater Underground Water Conservation District

P.O. Box 1989, Belton, Texas 76513

Phone: 254/933-0120 Fax: 254/933-8396

www.cuwcd.org

Leland Gersbach, President

Gary Young

Jody Williams

Scott Brooks

David Cole

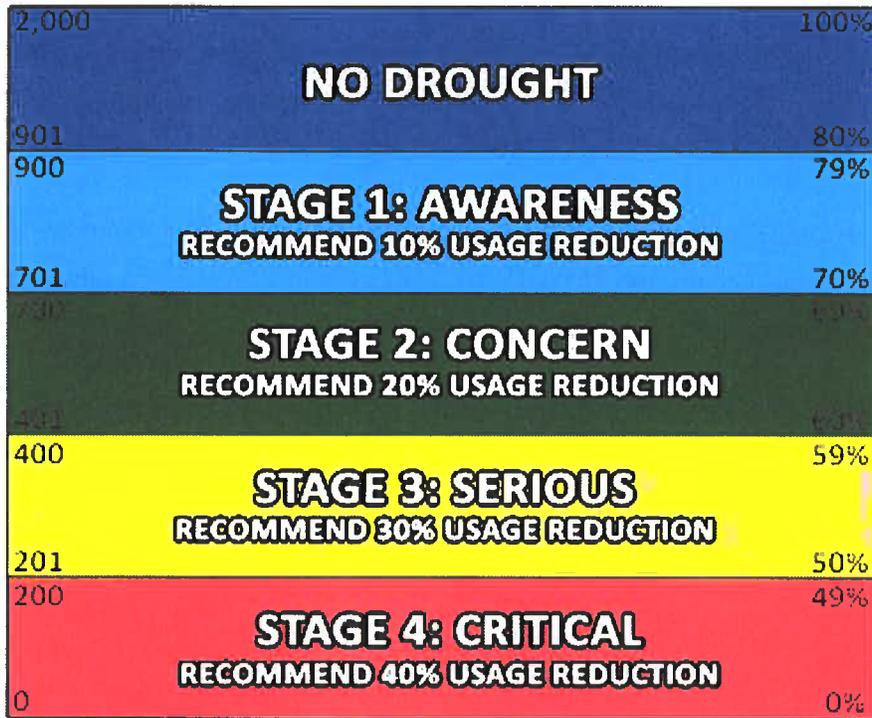
Clearwater Staff Reports

May 12, 2021

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

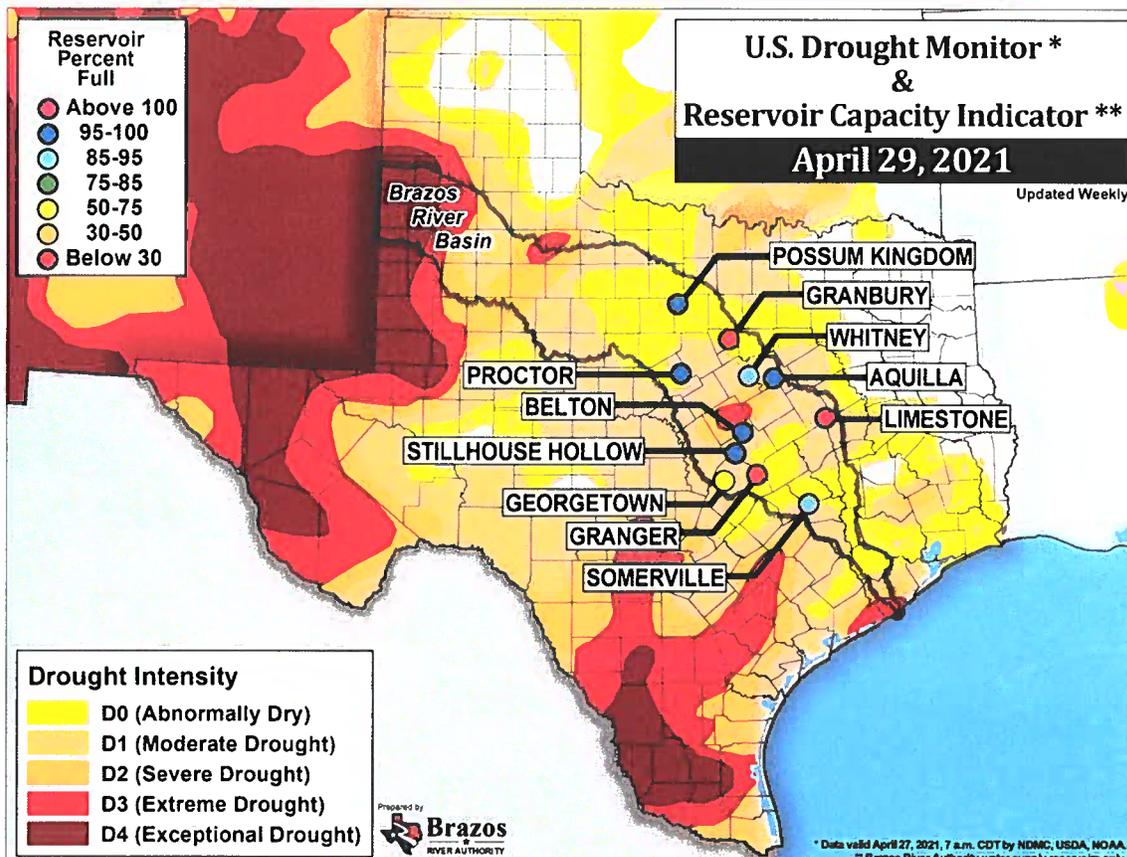


← 27.46 PDI
83.21 %

Precipitation Deficit Index (PDI)

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

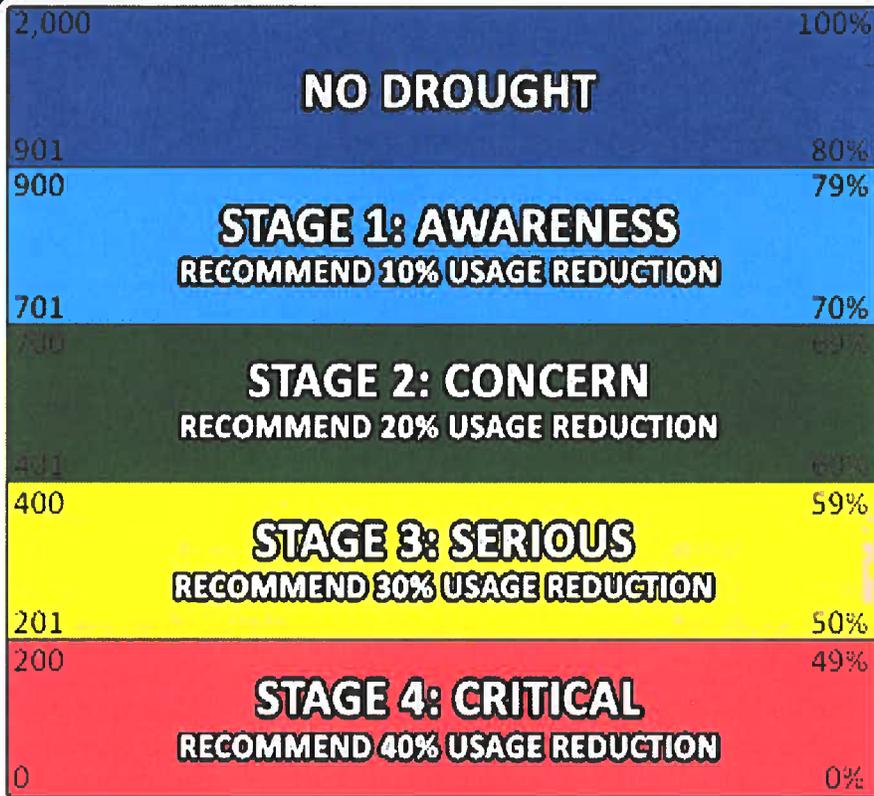
AS OF 5/4/2021



Edwards BFZ Aquifer—Drought Status Report

STAGE 1: Awareness

4,153.39 ac-ft
(month)
69.8 cfs



Precipitation Deficit Index (PDI)

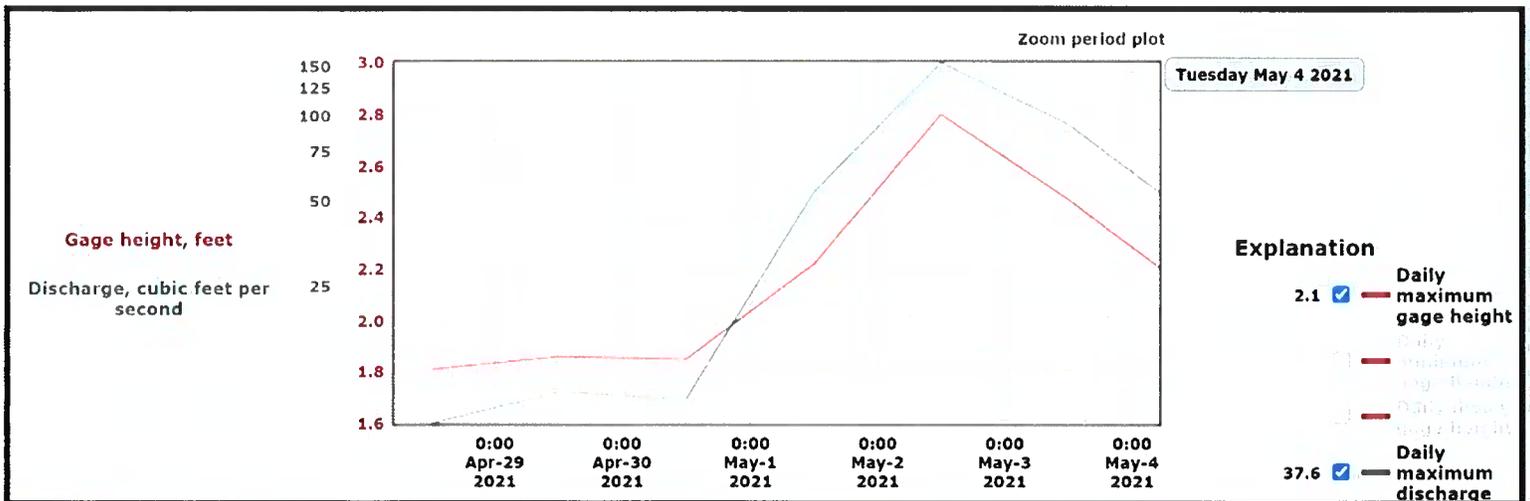
25.812 PDI
78.21 %

Salado Creek
Spring Discharge

AS OF 5/4/2021

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

USGS 08104300 Salado Ck at Salado, TX





Education Outreach Highlights 5/12/21

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).

- April 14 – Staff presented to the Bell County Master Gardener’s Association. 18 people in attendance.
- April 16 – Staff presented at the Farm & Ranch Educational Services Workshop. 57 people in attendance.
- April 19 – Staff presented to the Temple Rotary Club. 35 people in attendance.
- April 28 – Staff presented to the Temple Lion’s Club. 50 people in attendance.

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.

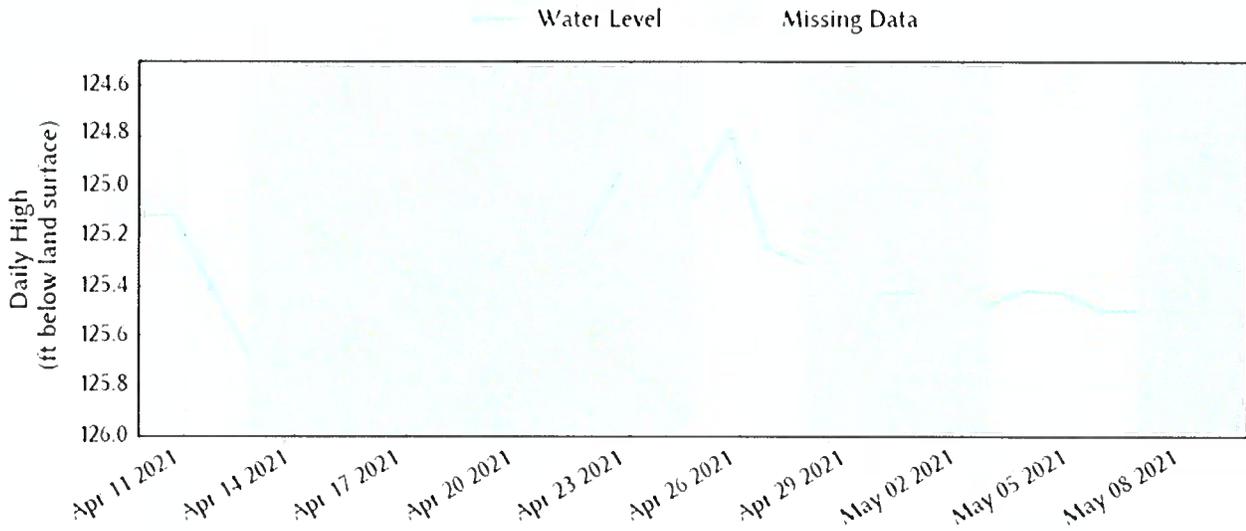
4. Improve Annual Reporting accuracy and timeliness per State mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).

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

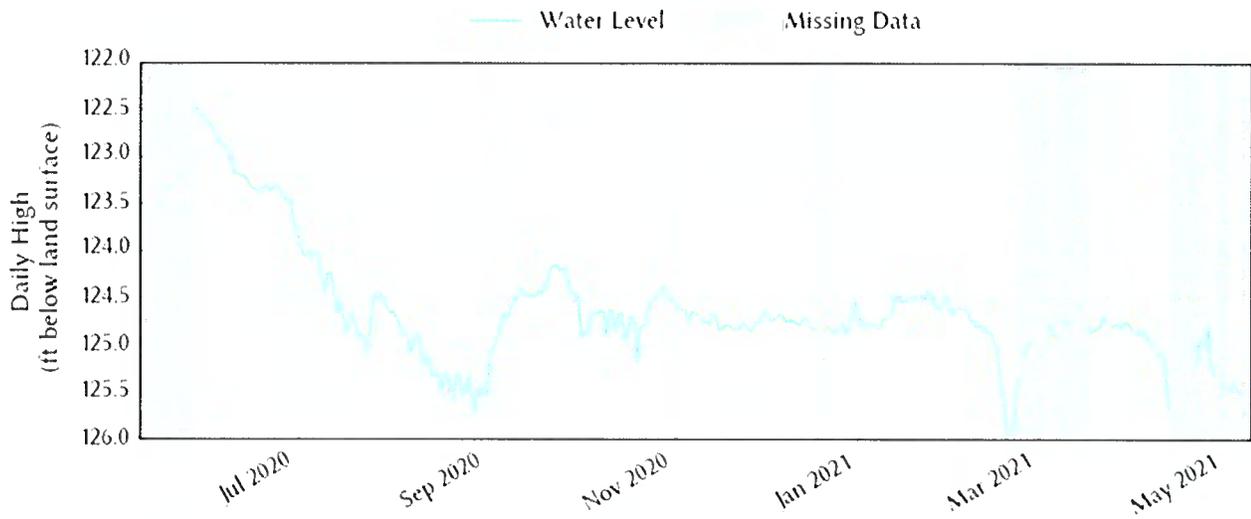
May 2021

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

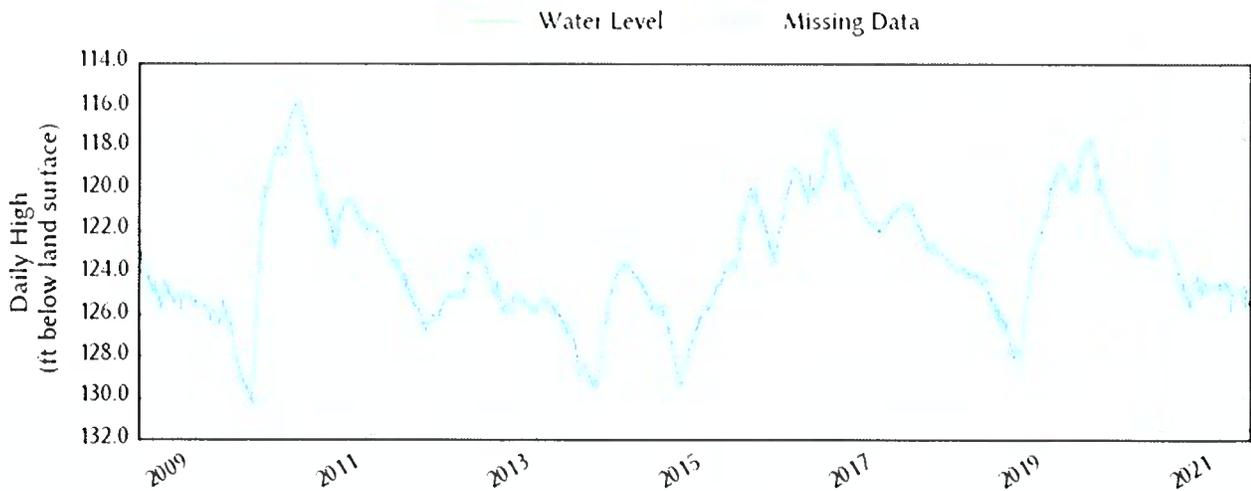
Last 30 Days



1 Year



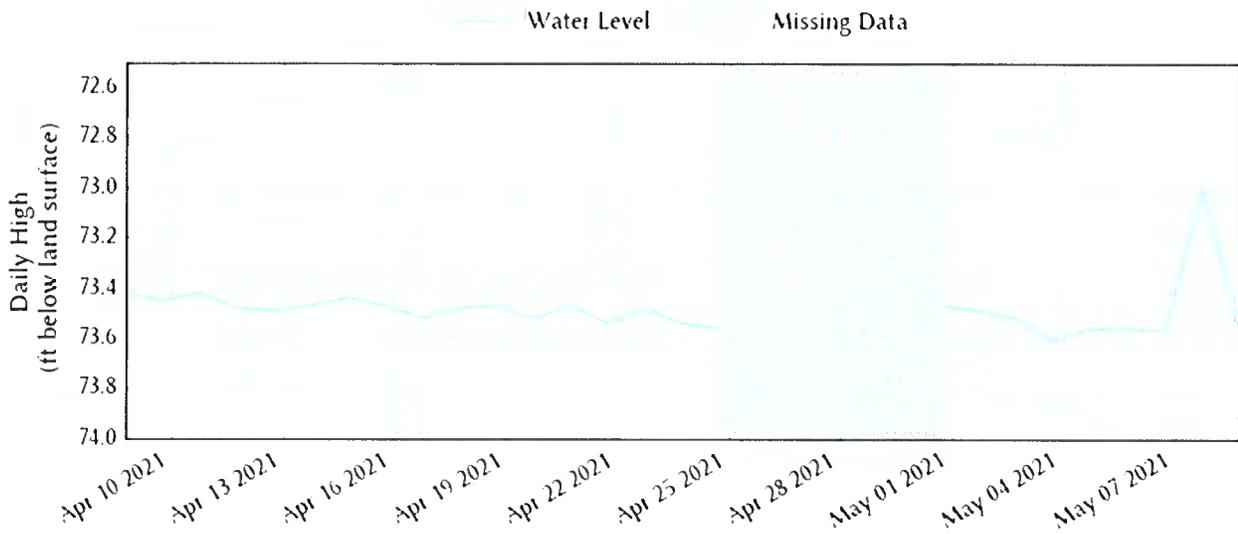
Period Of Record



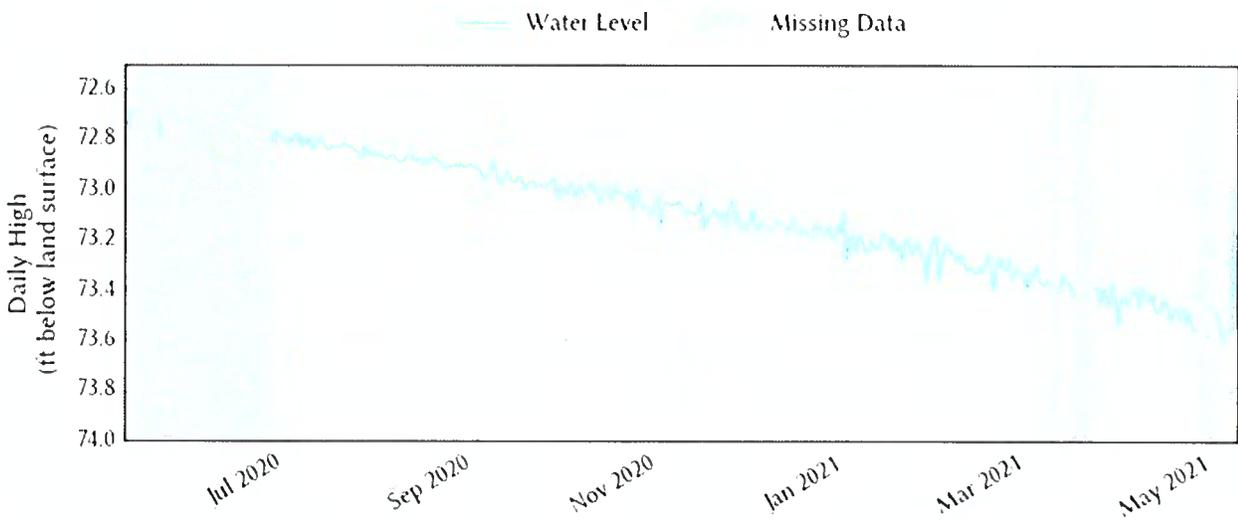
May 2021

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

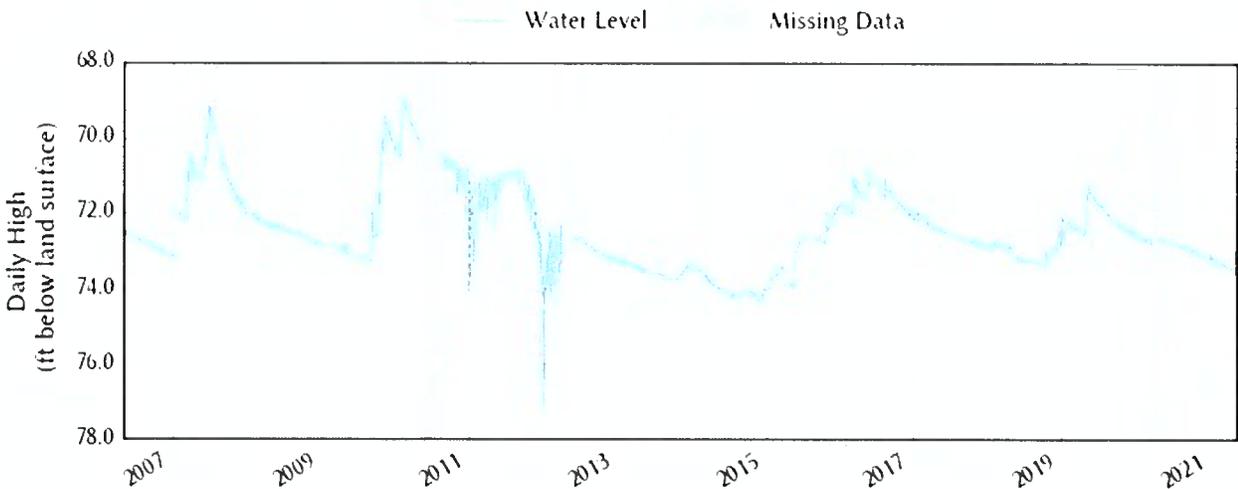
Last 30 Days



1 Year



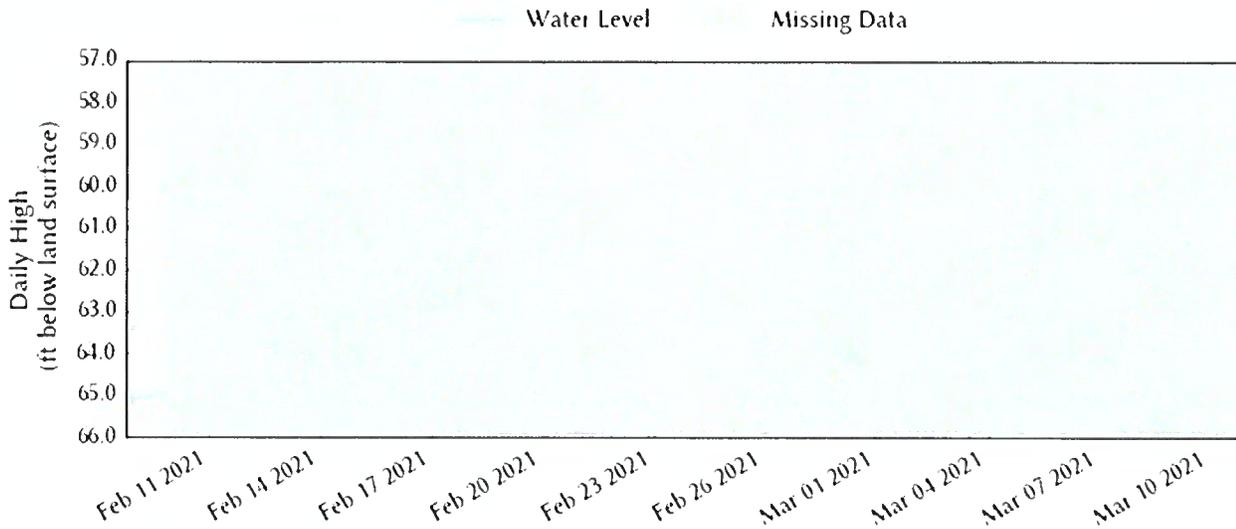
Period Of Record



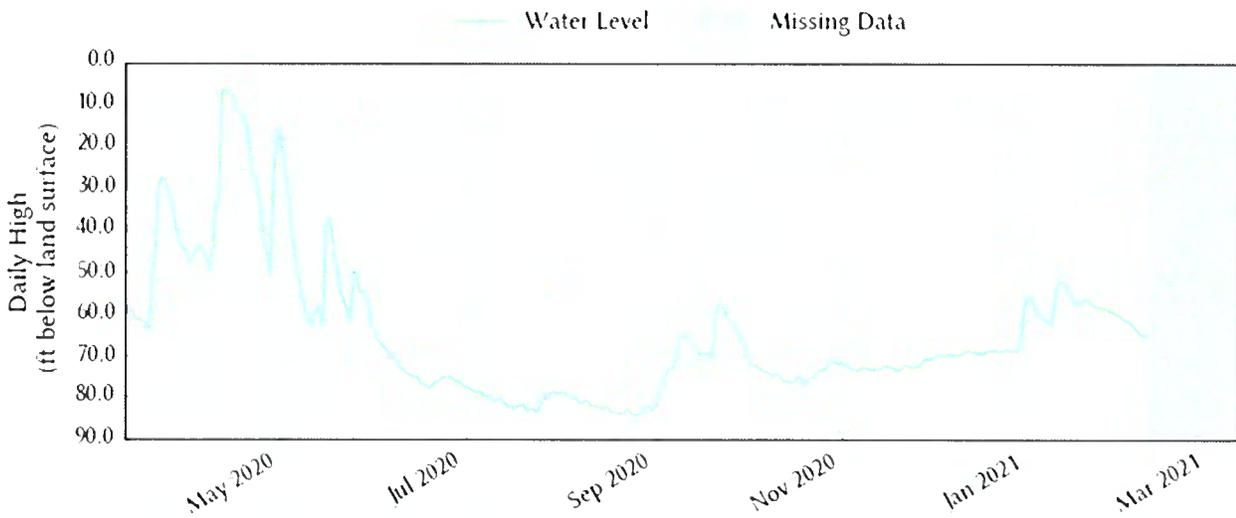
May 2021

Continuous Monitoring Well # 5804628
(Salado Cemetery)
Edwards Aquifer

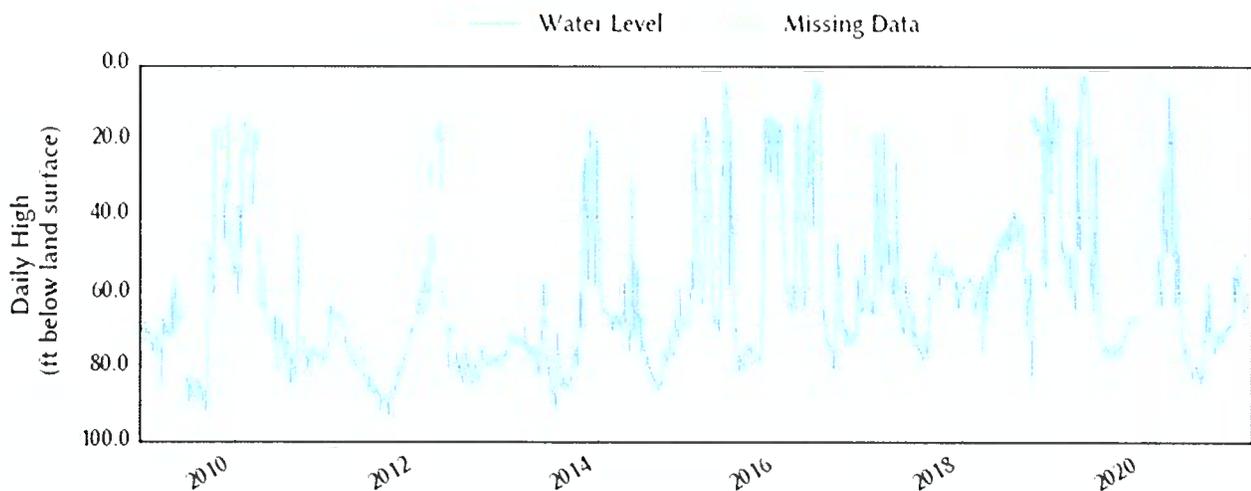
Last 30 Days



1 Year



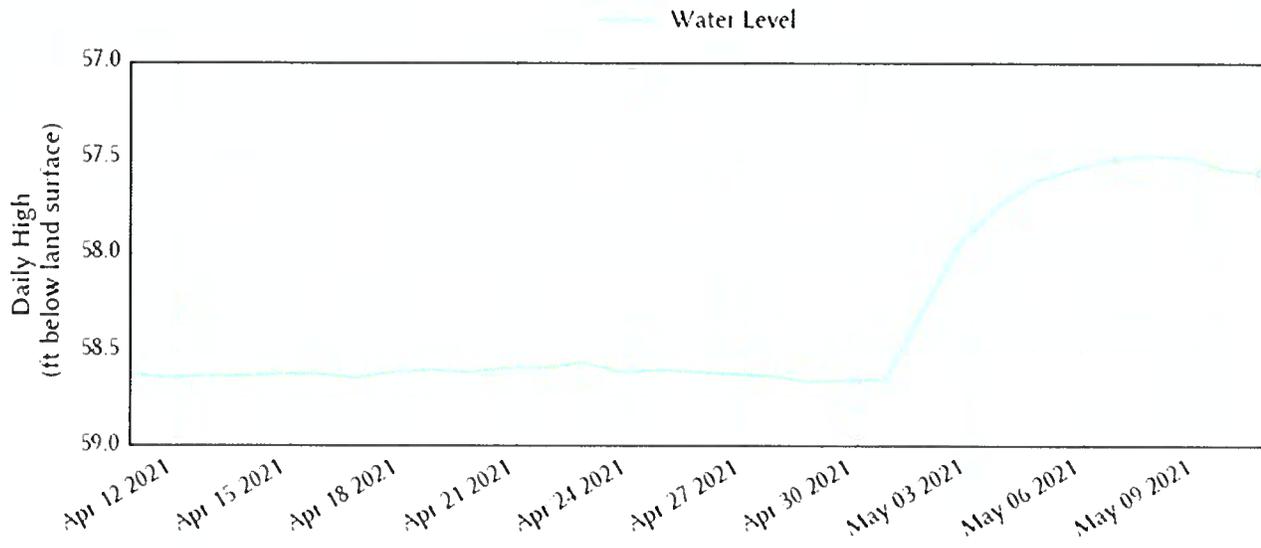
Period Of Record



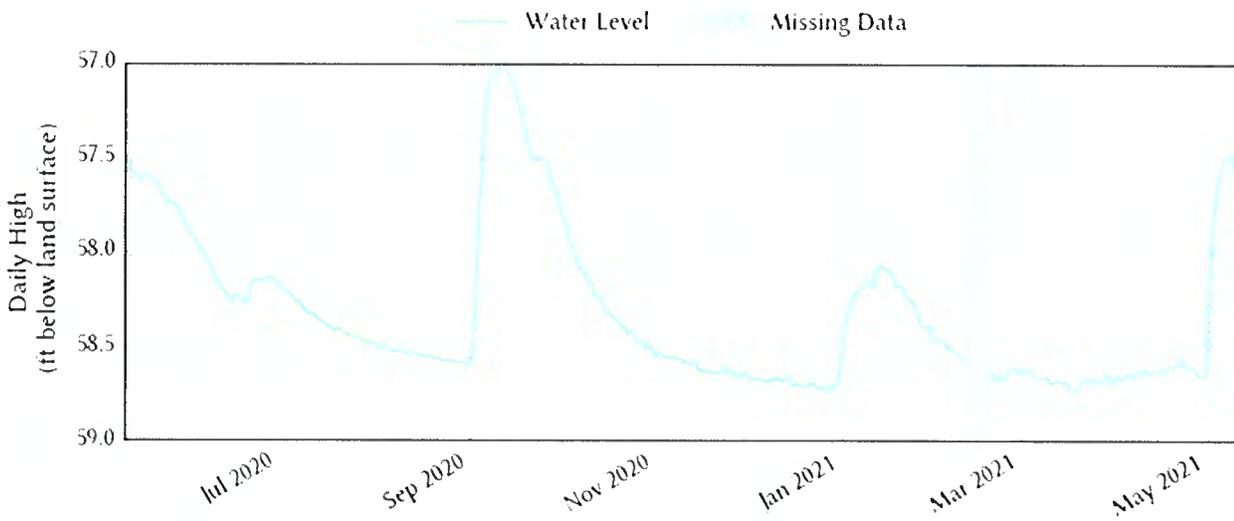
May 2021

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

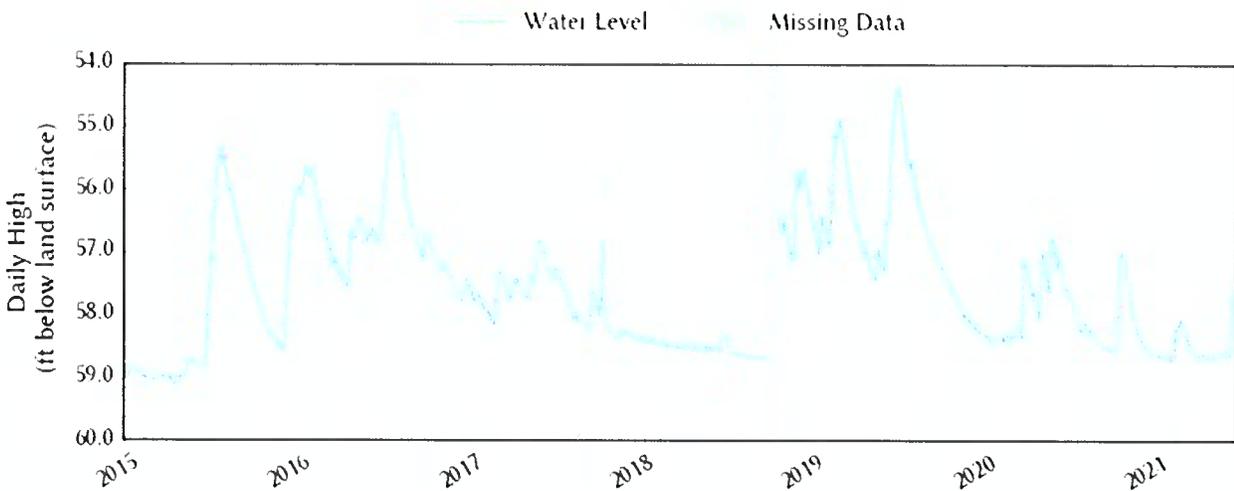
Last 30 Days



1 Year



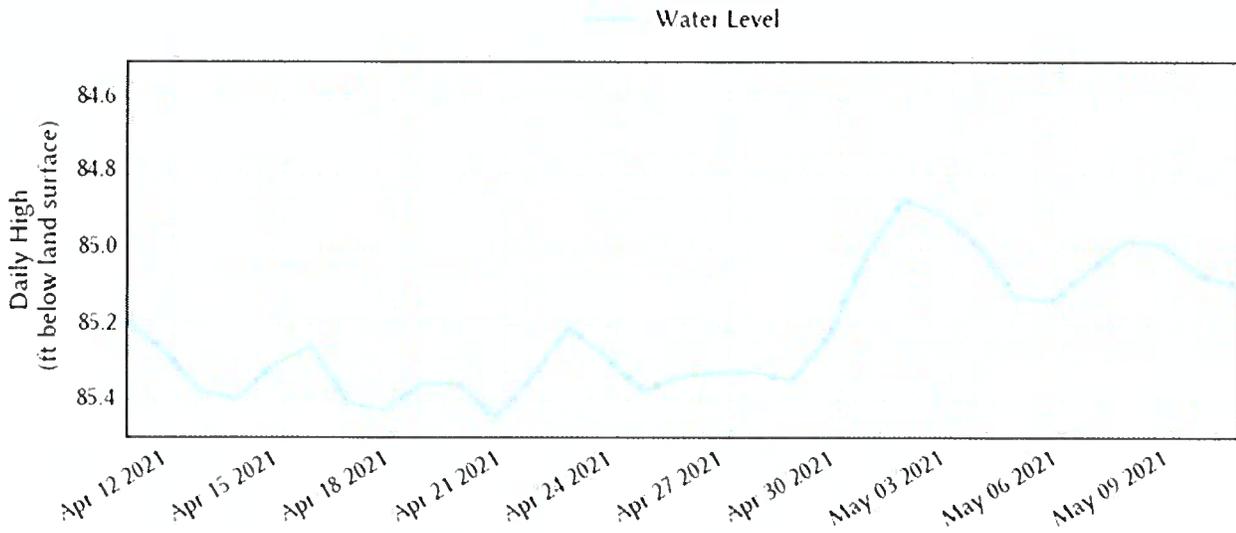
Period Of Record



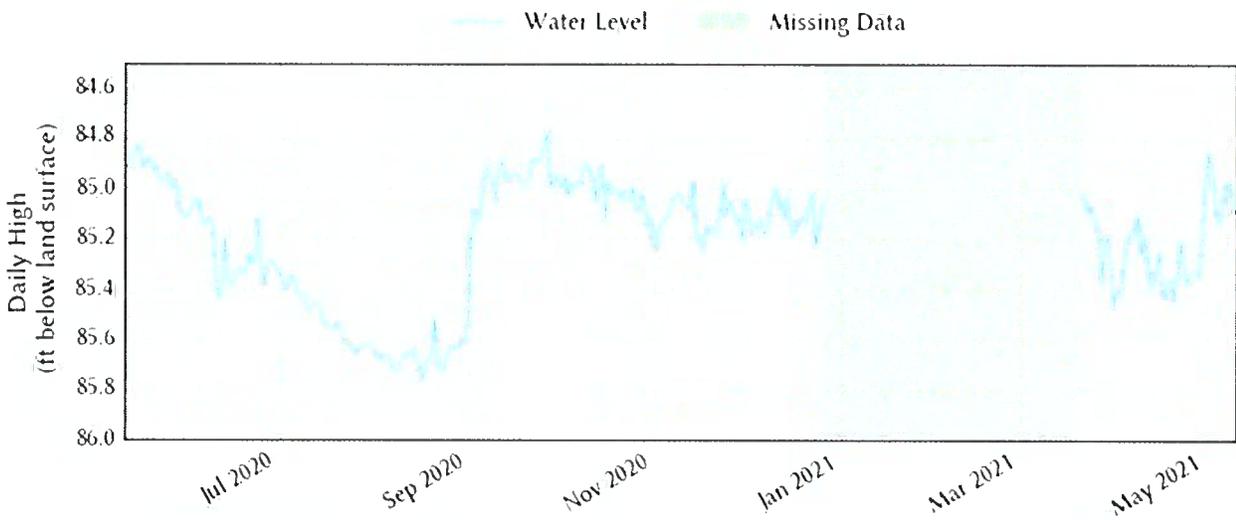
May 2021

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

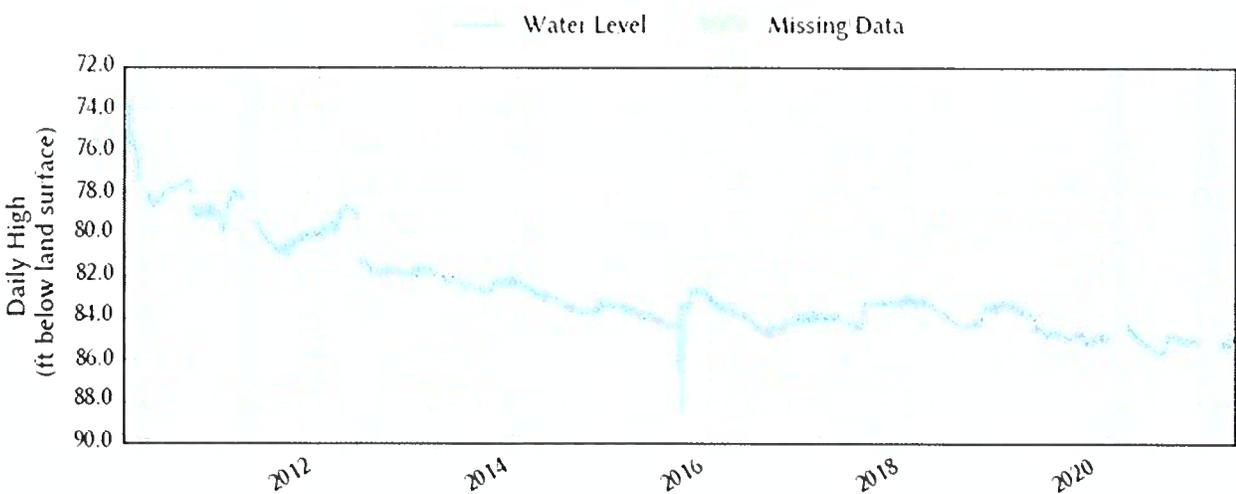
Last 30 Days



1 Year



Period Of Record

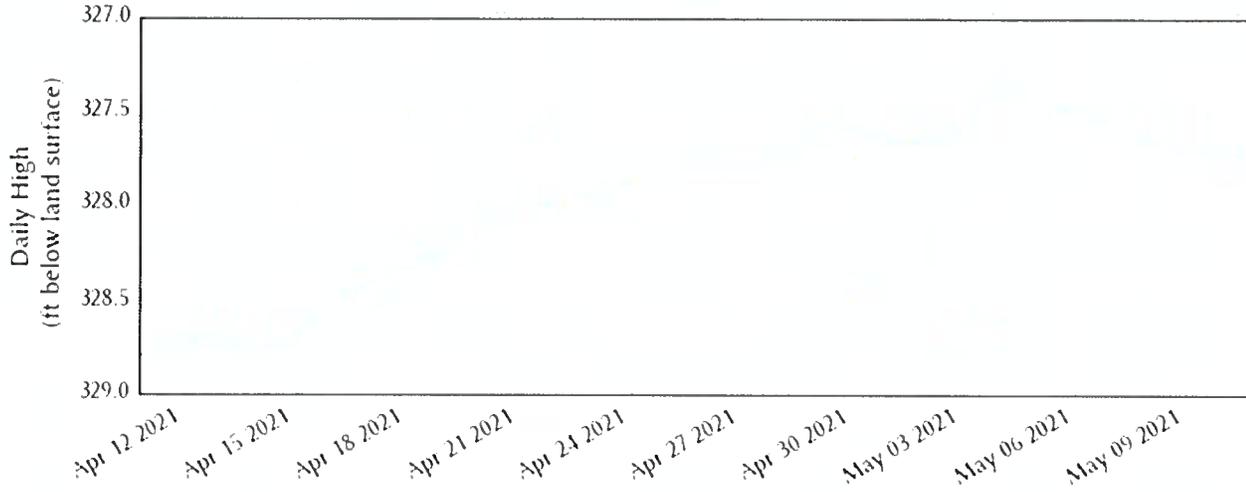


May 2021

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

Last 30 Days

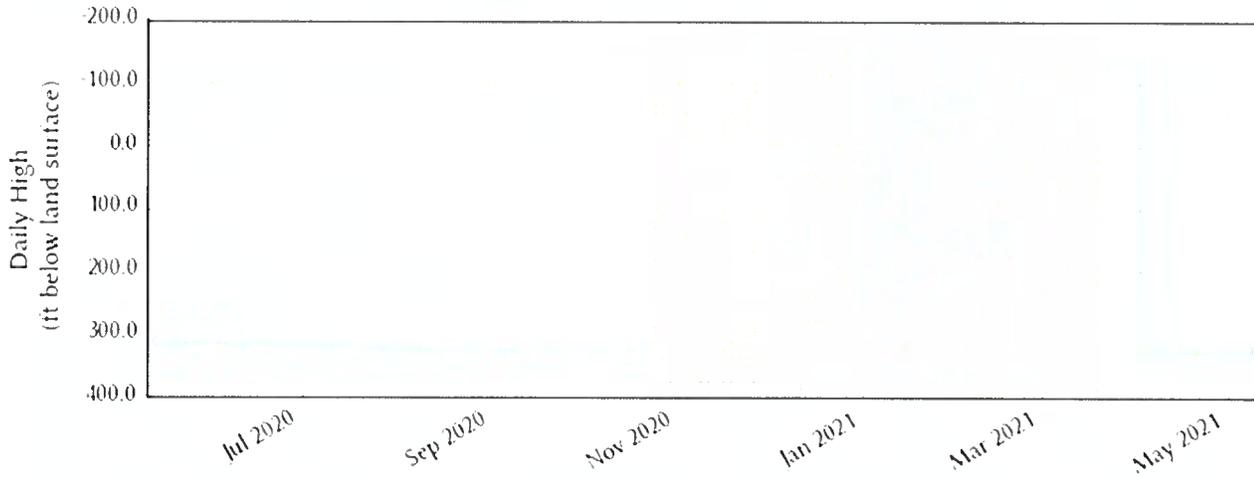
Water Level



1 Year

Water Level

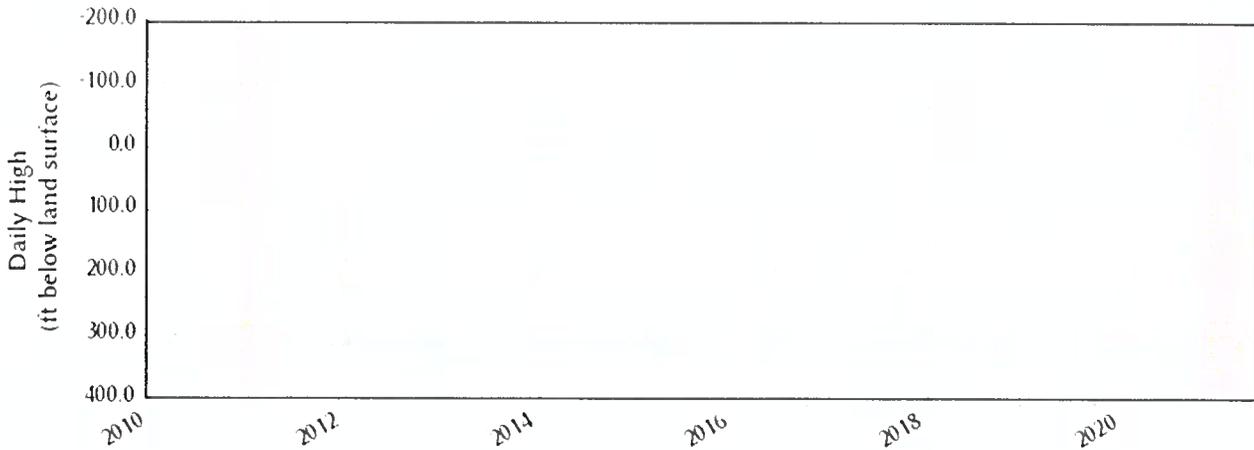
Missing Data



Period Of Record

Water Level

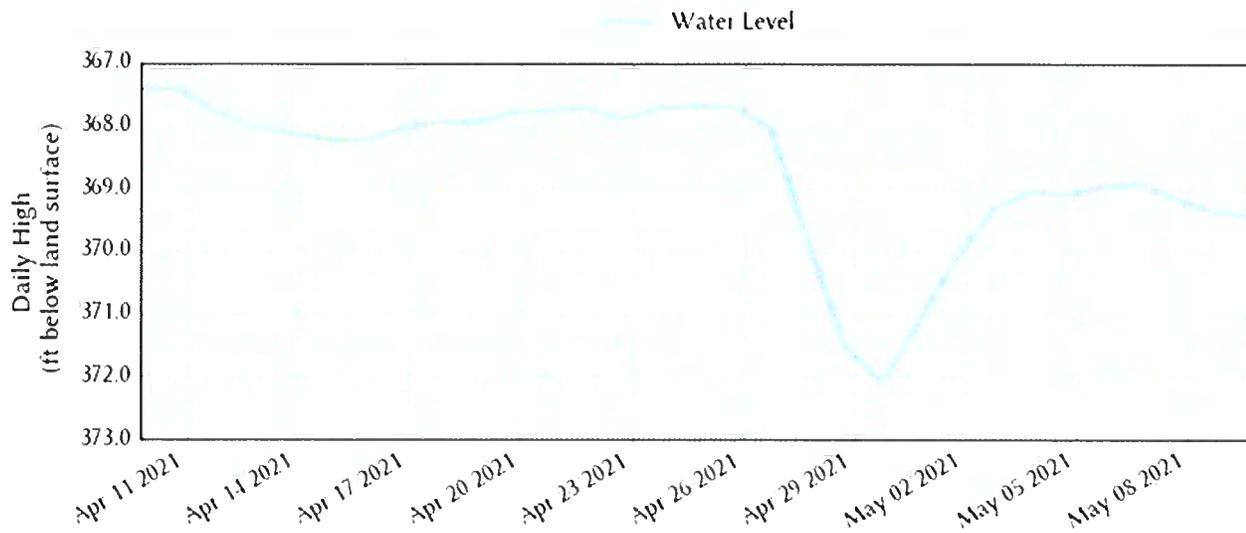
Missing Data



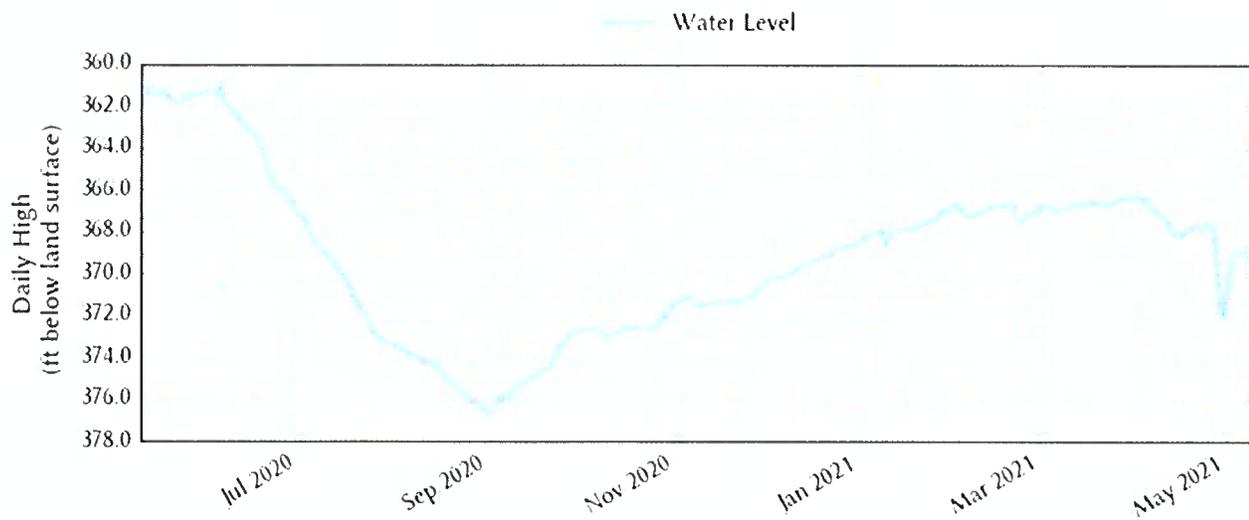
May 2021

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

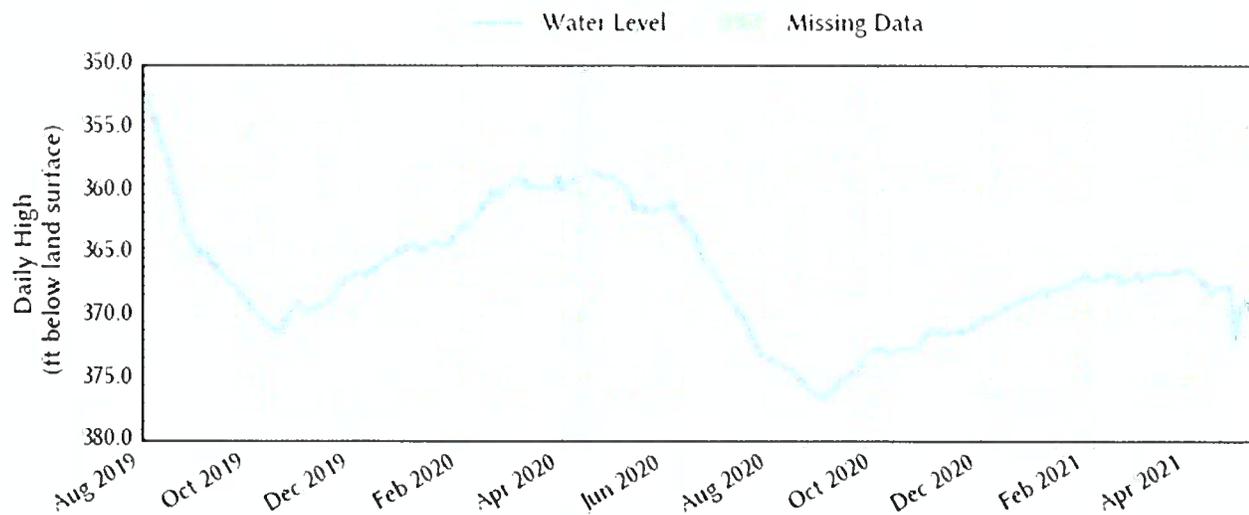
Last 30 Days



1 Year

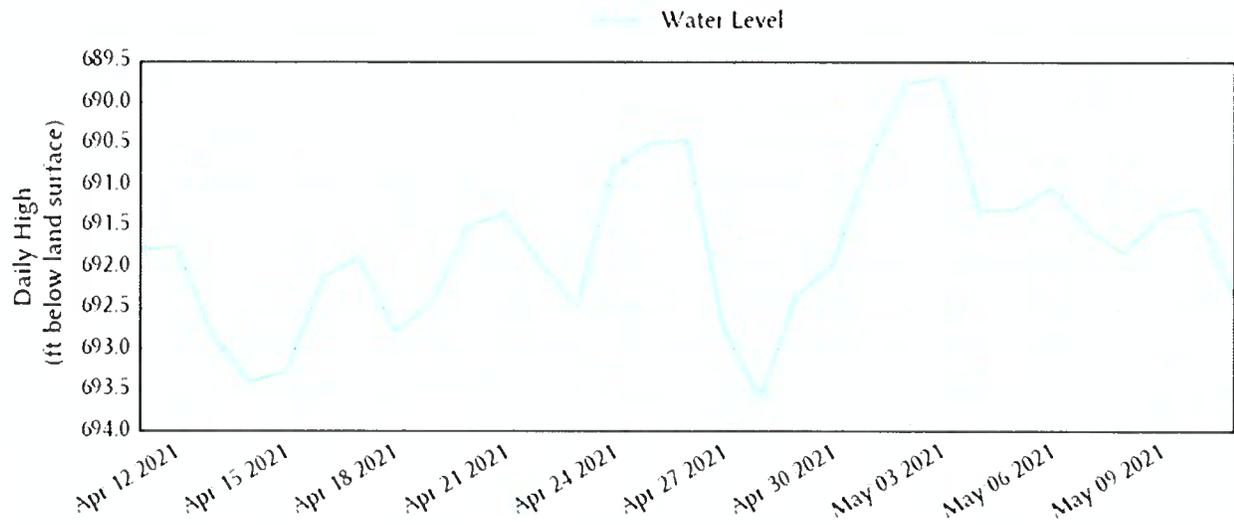


Period Of Record

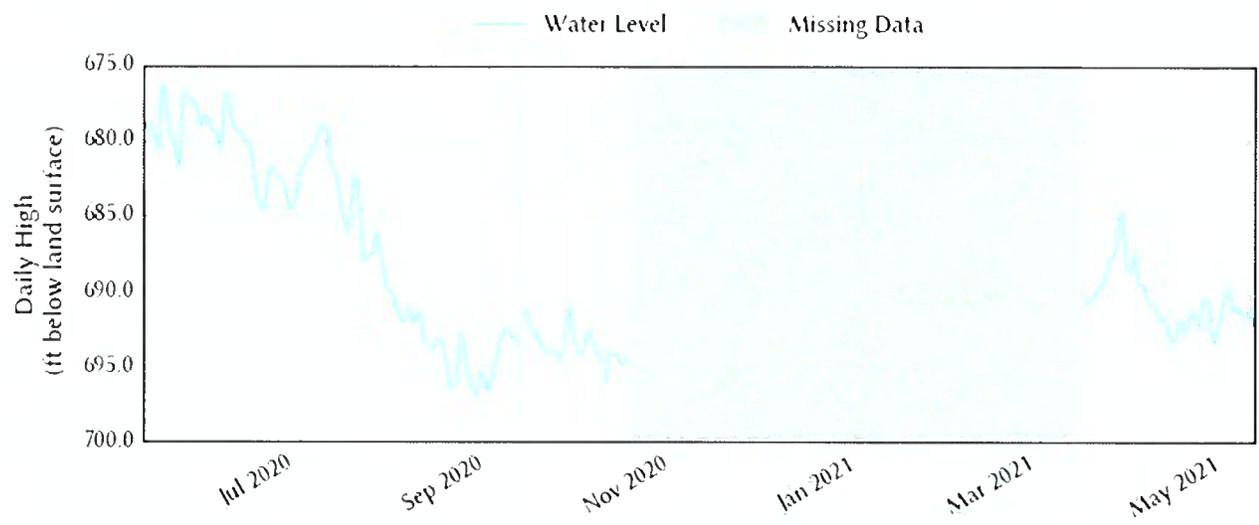


**Continuous Monitoring Well # 5803701
(Gault Site - Williamson County)
Middle Trinity Aquifer**

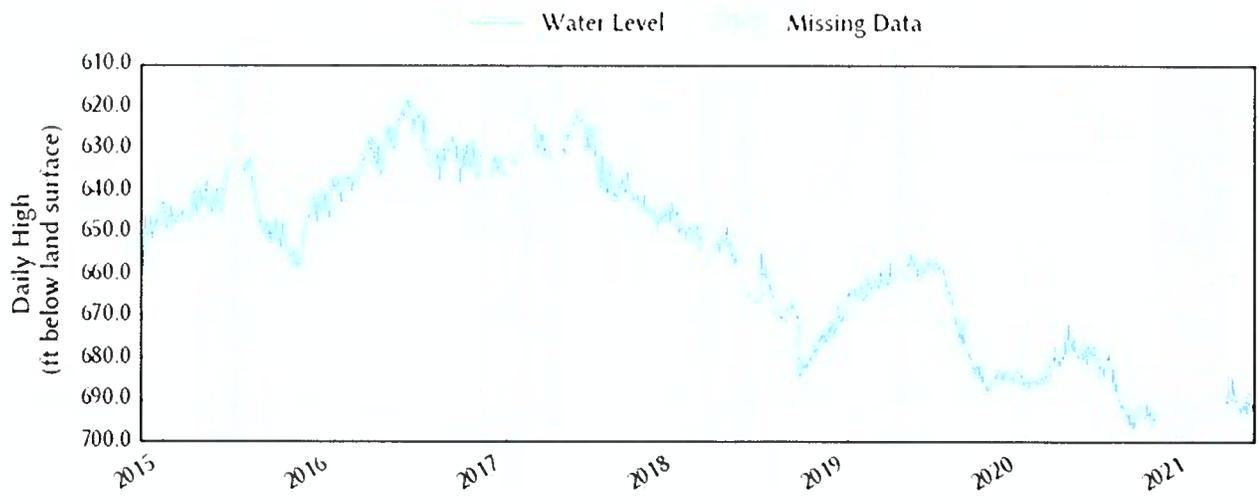
Last 30 Days



1 Year



Period Of Record

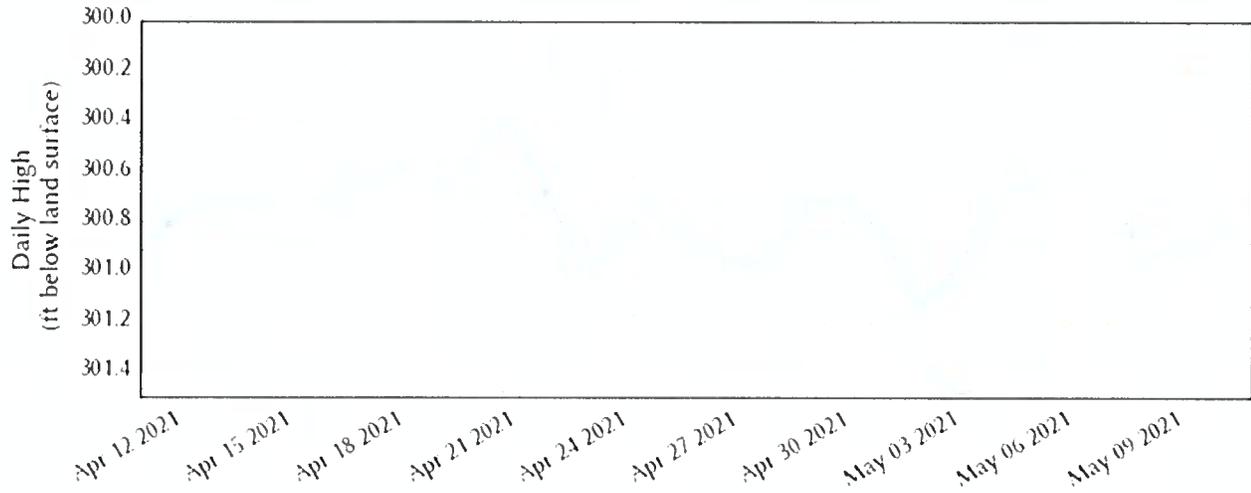


May 2021

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

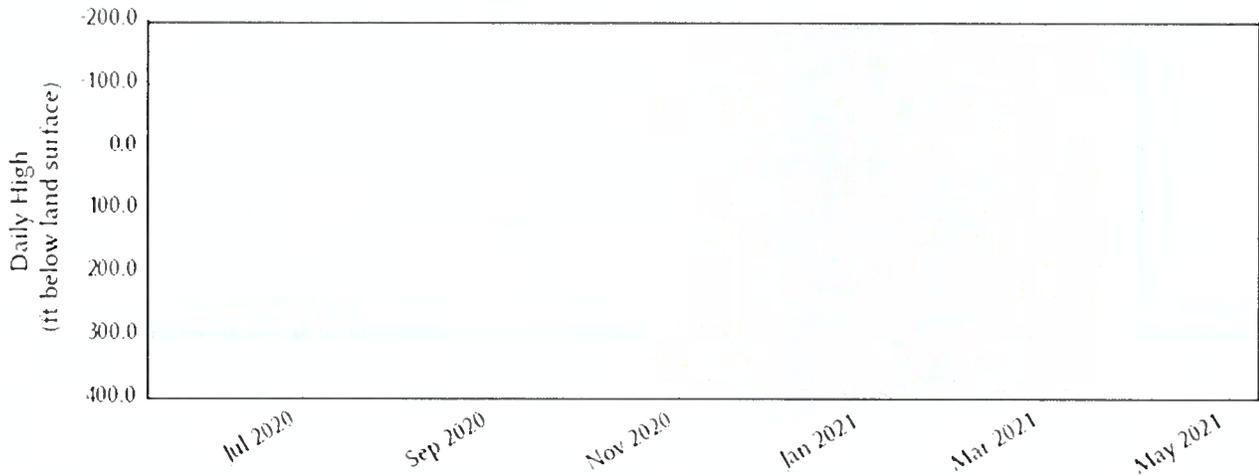
Last 30 Days

Water Level



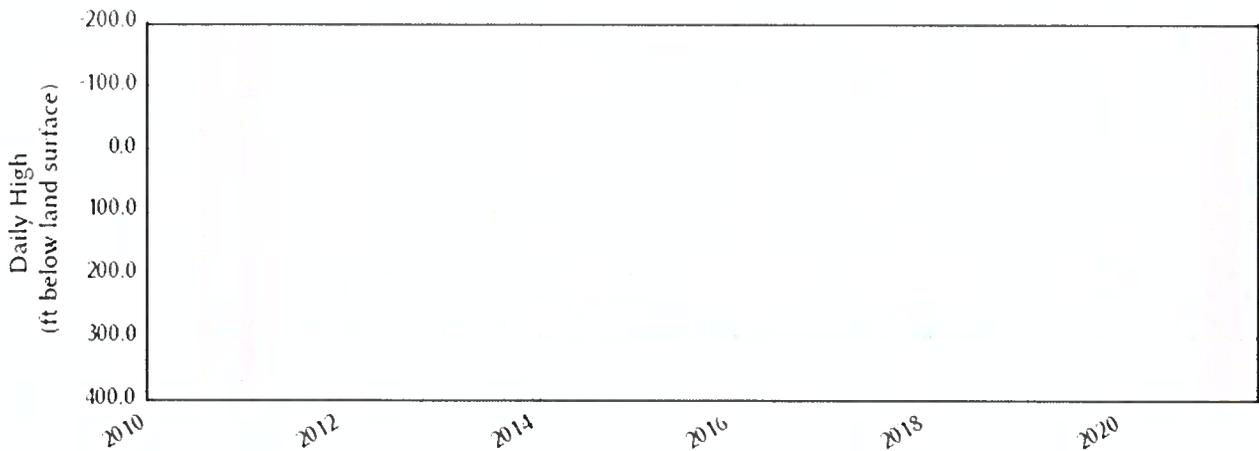
1 Year

Water Level Missing Data



Period Of Record

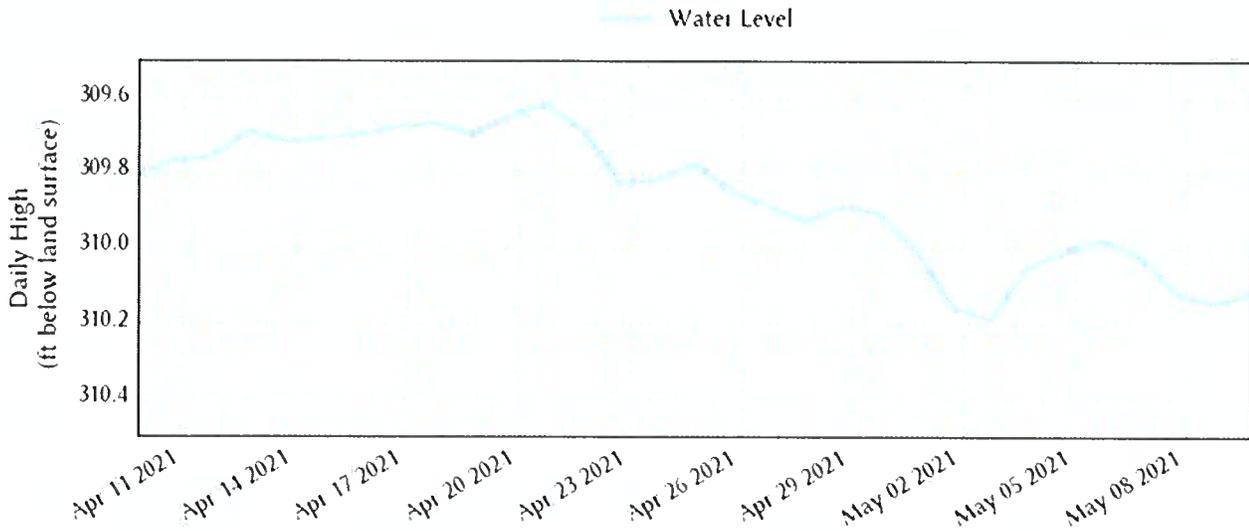
Water Level Missing Data



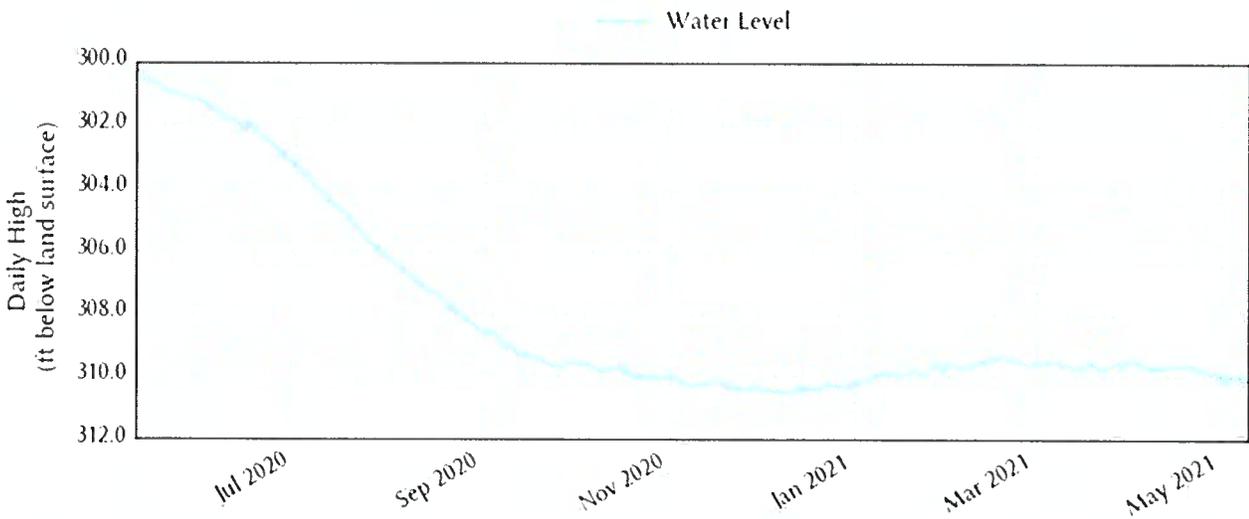
May 2021

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

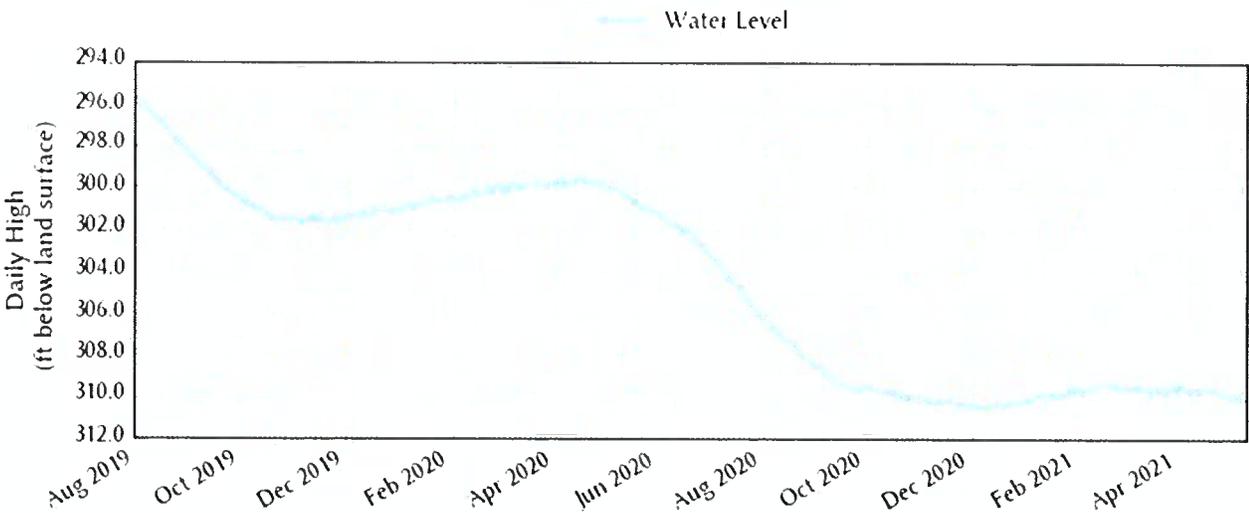
Last 30 Days



1 Year



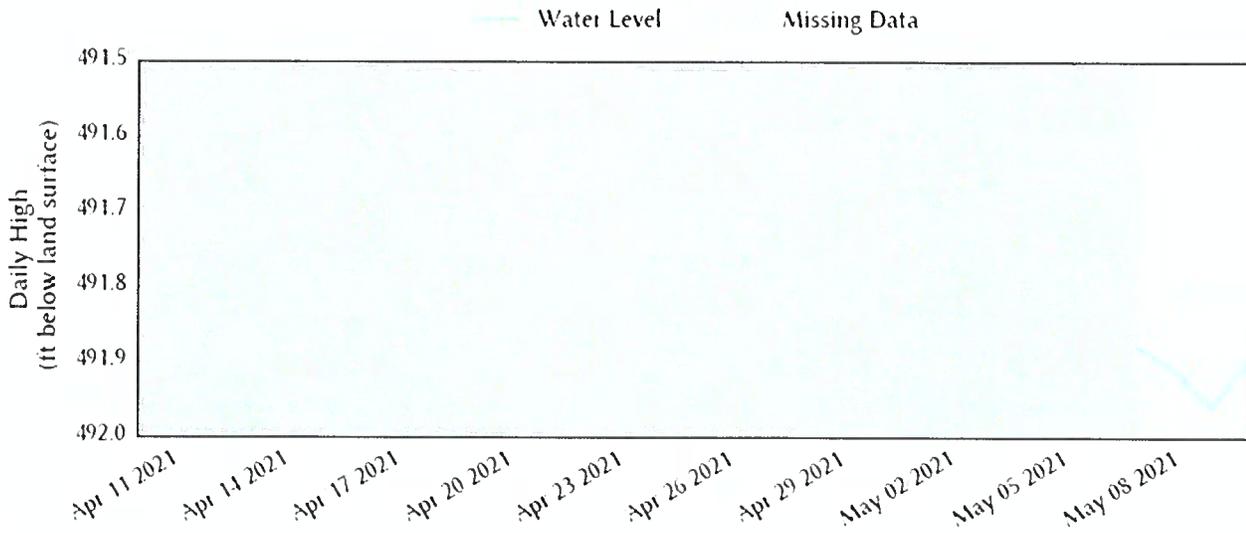
Period Of Record



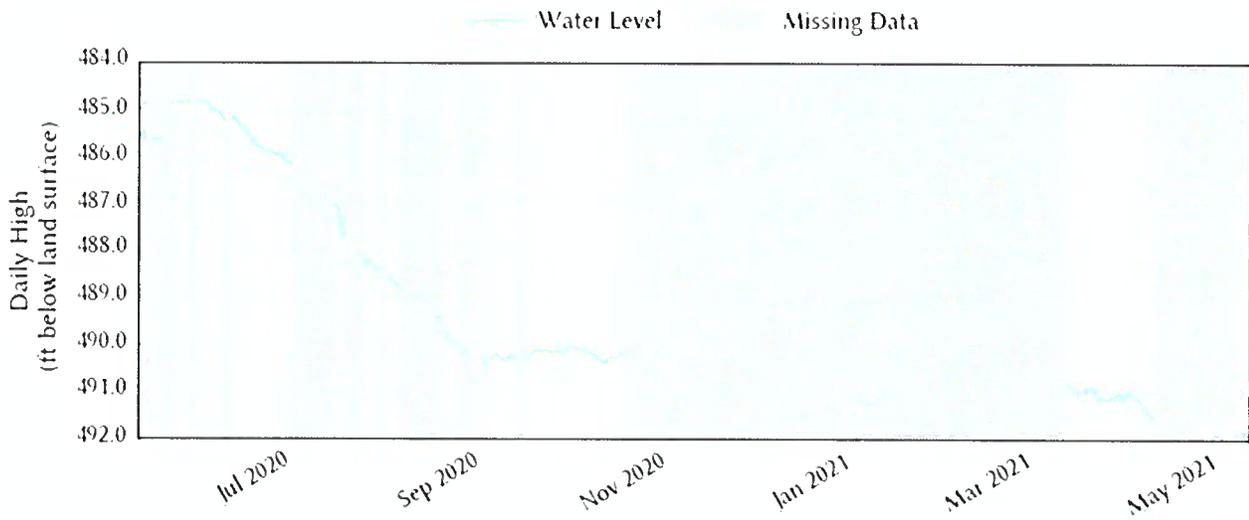
May 2021

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

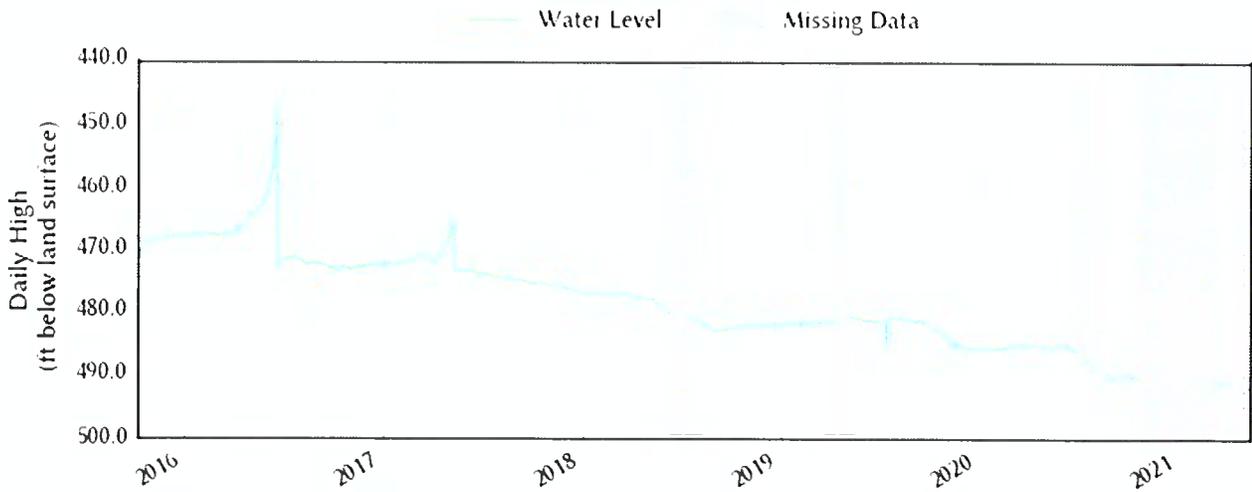
Last 30 Days



1 Year



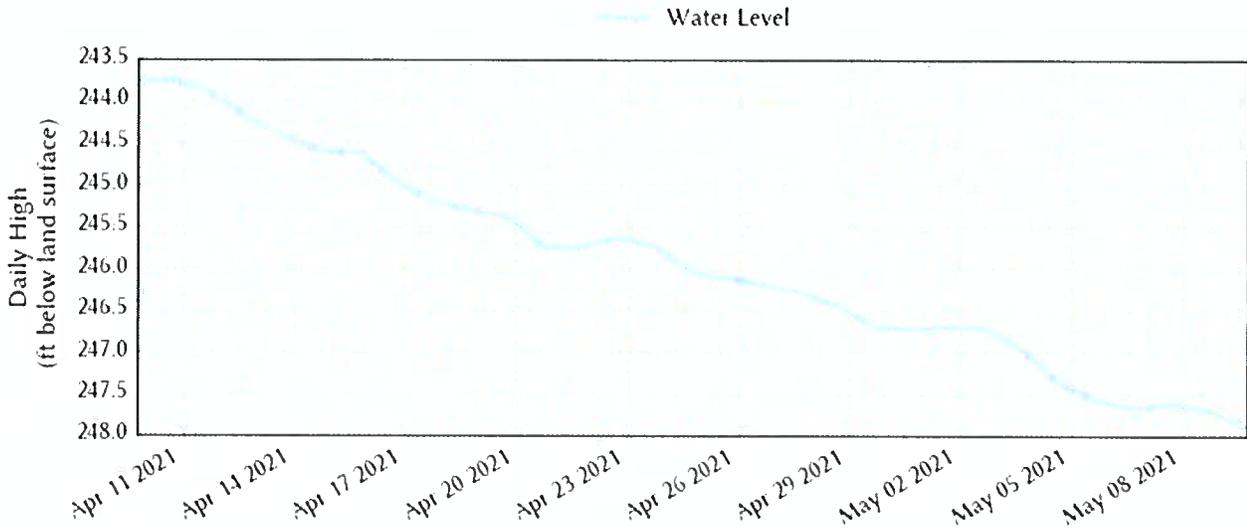
Period Of Record



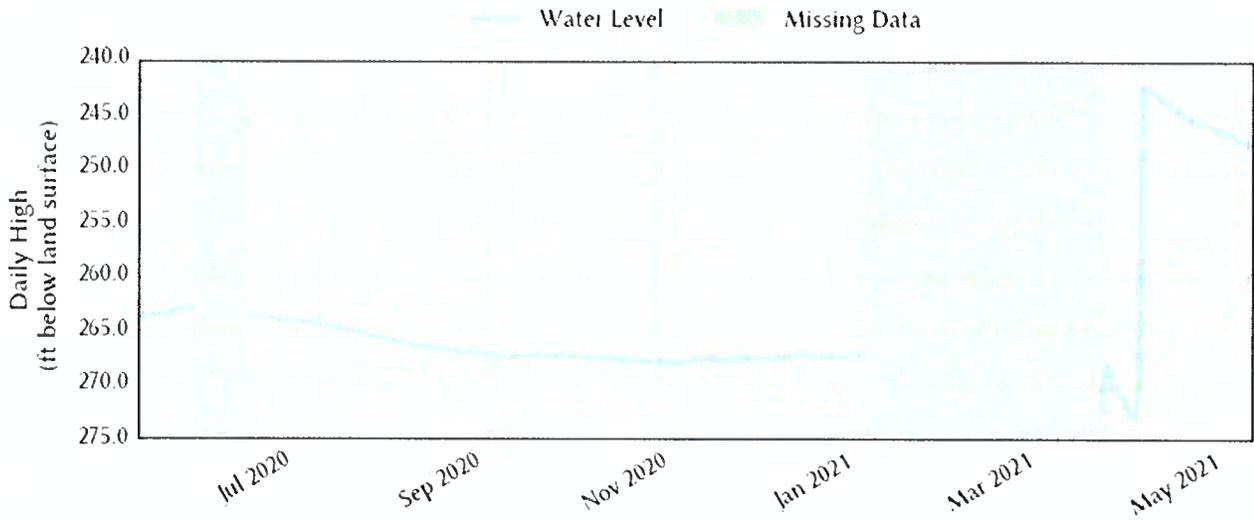
May 2021

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

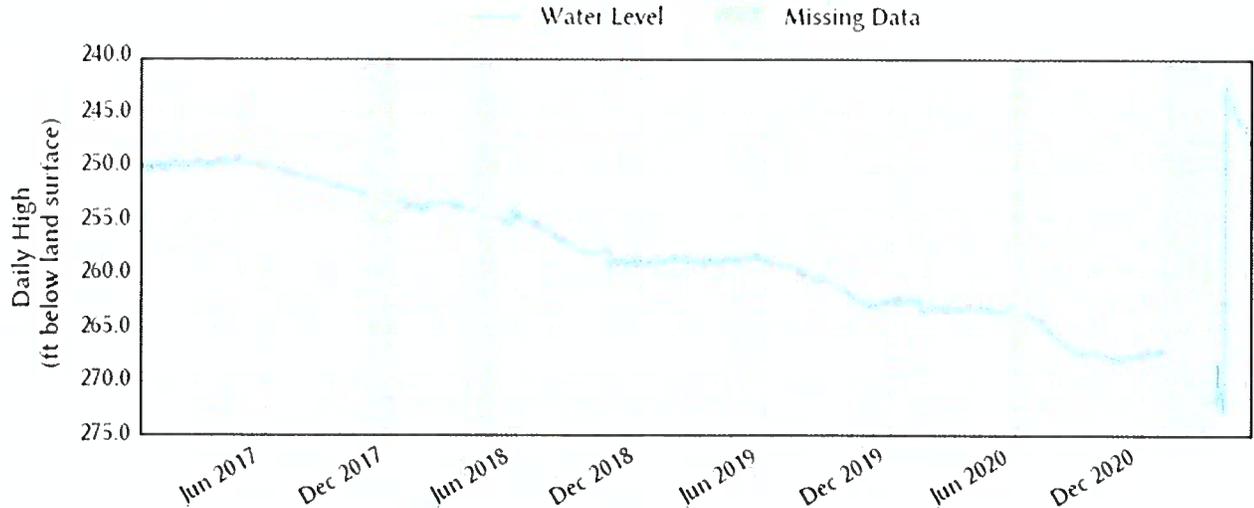
Last 30 Days



1 Year



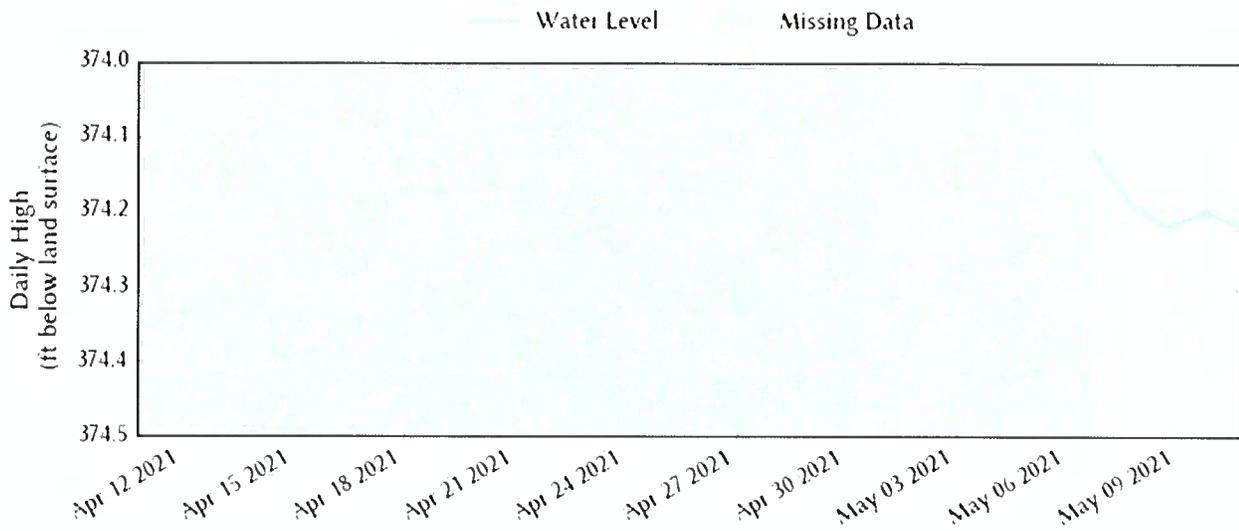
Period Of Record



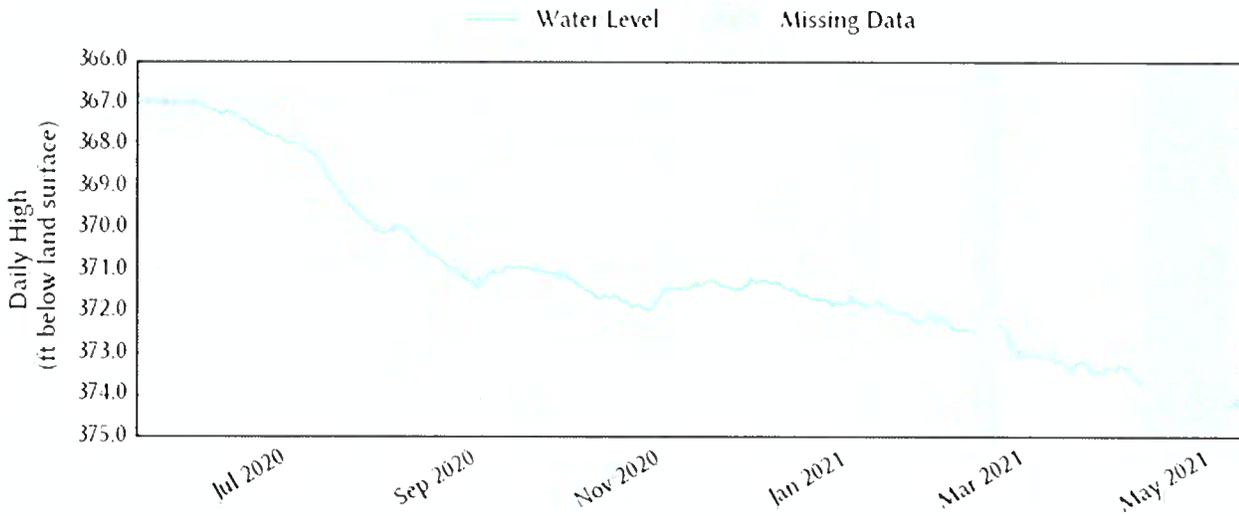
May 2021

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

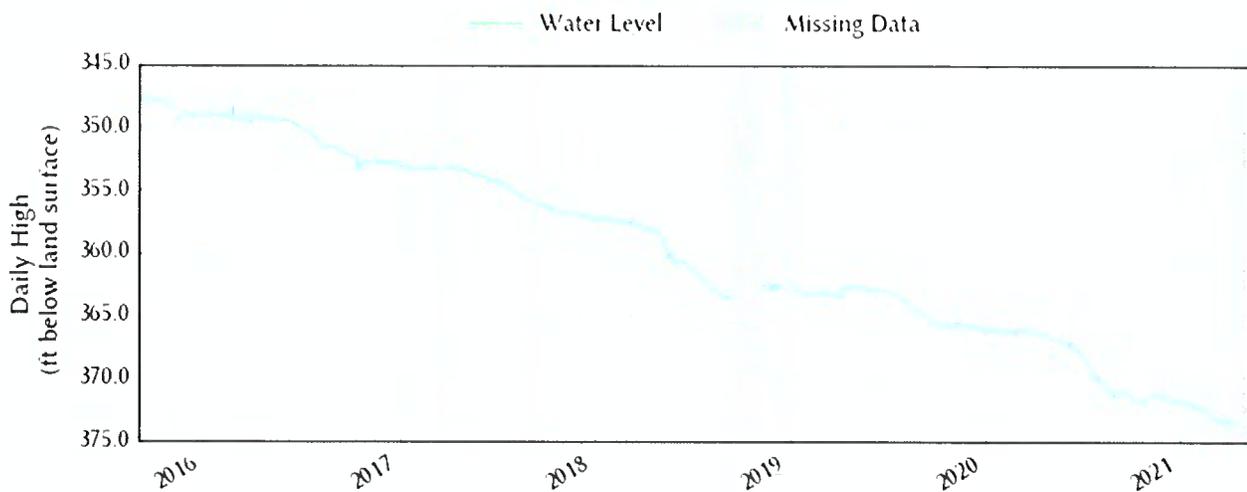
Last 30 Days



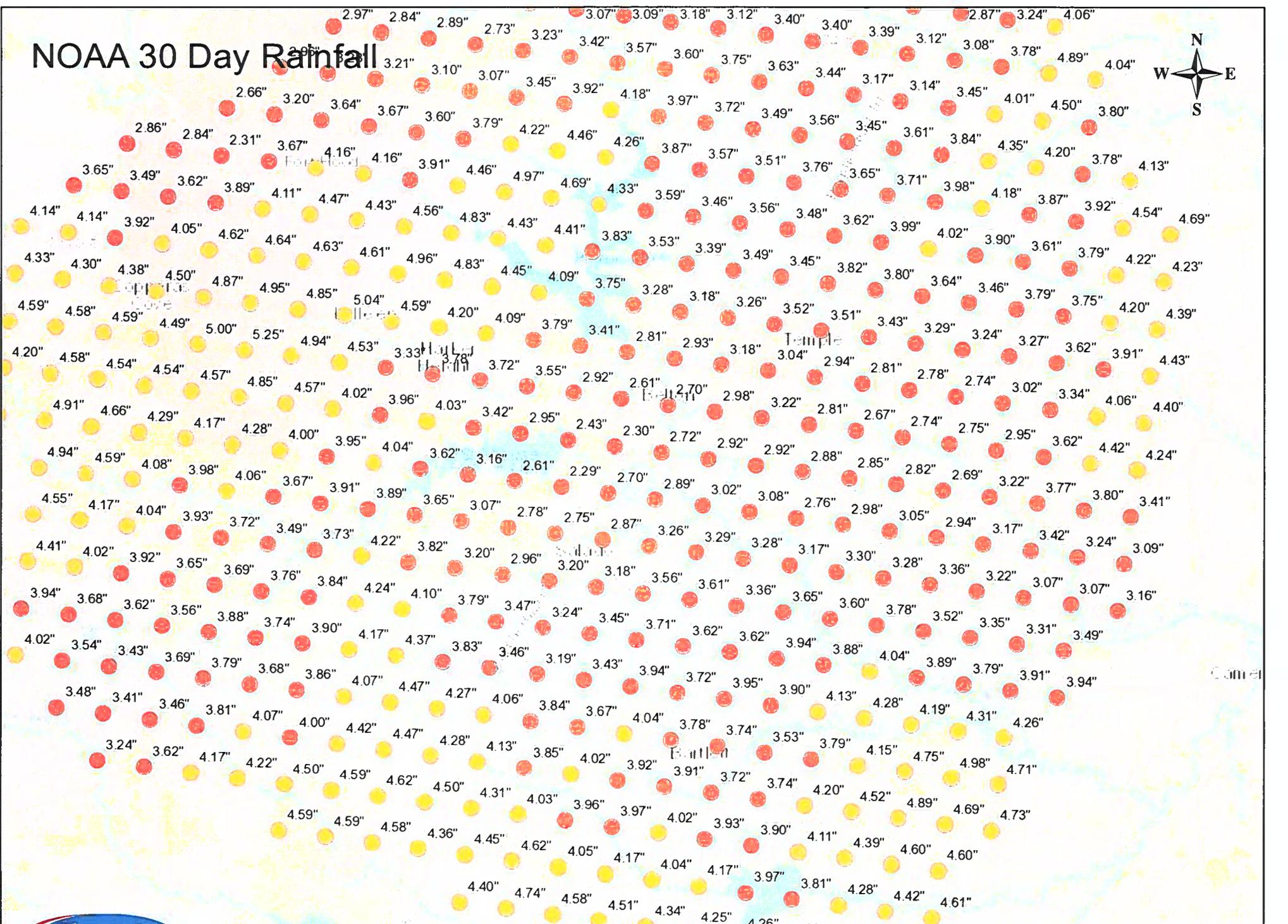
1 Year



Period Of Record

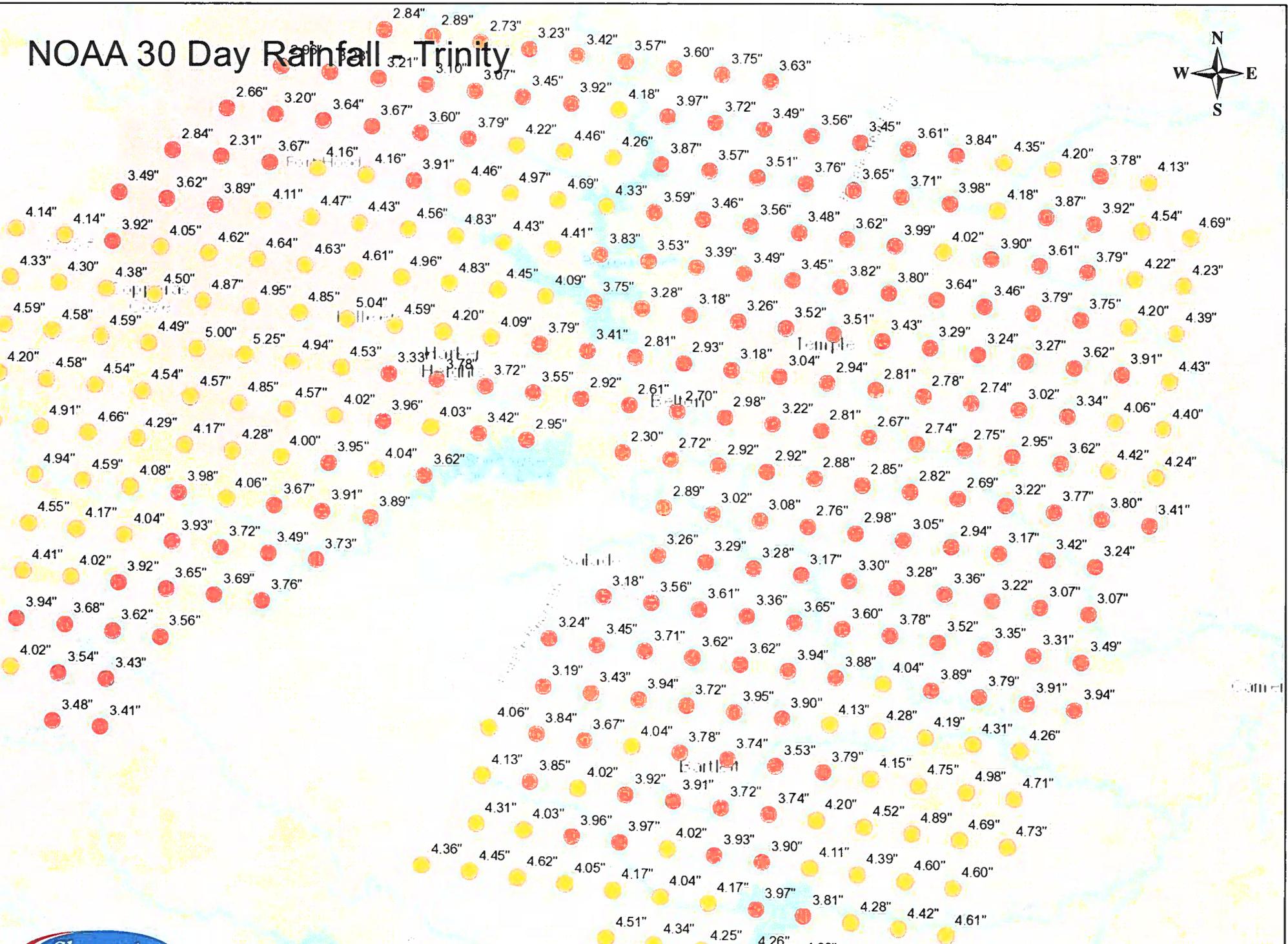


NOAA 30 Day Rainfall



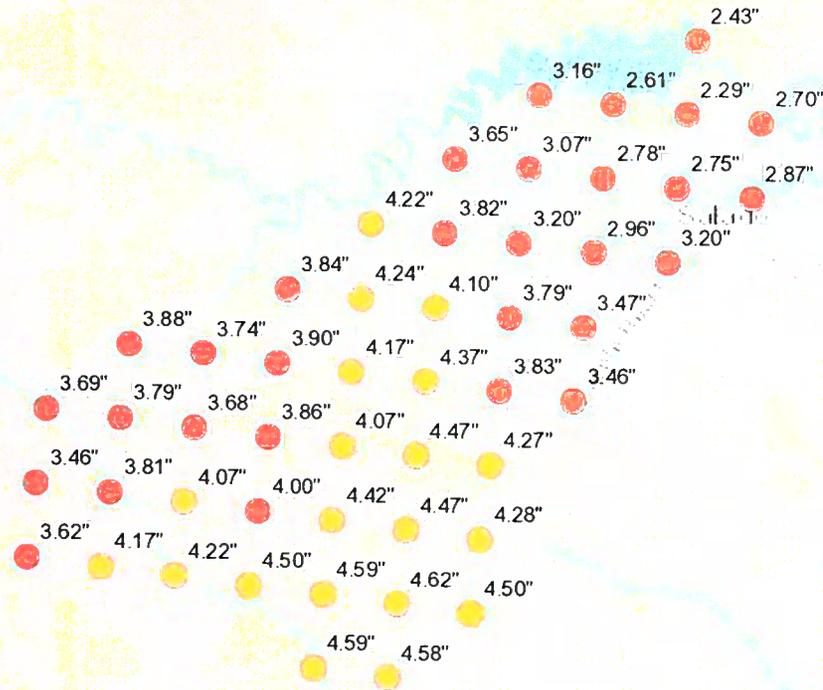
Half Associates, Inc., Sources: Esri HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Trinity



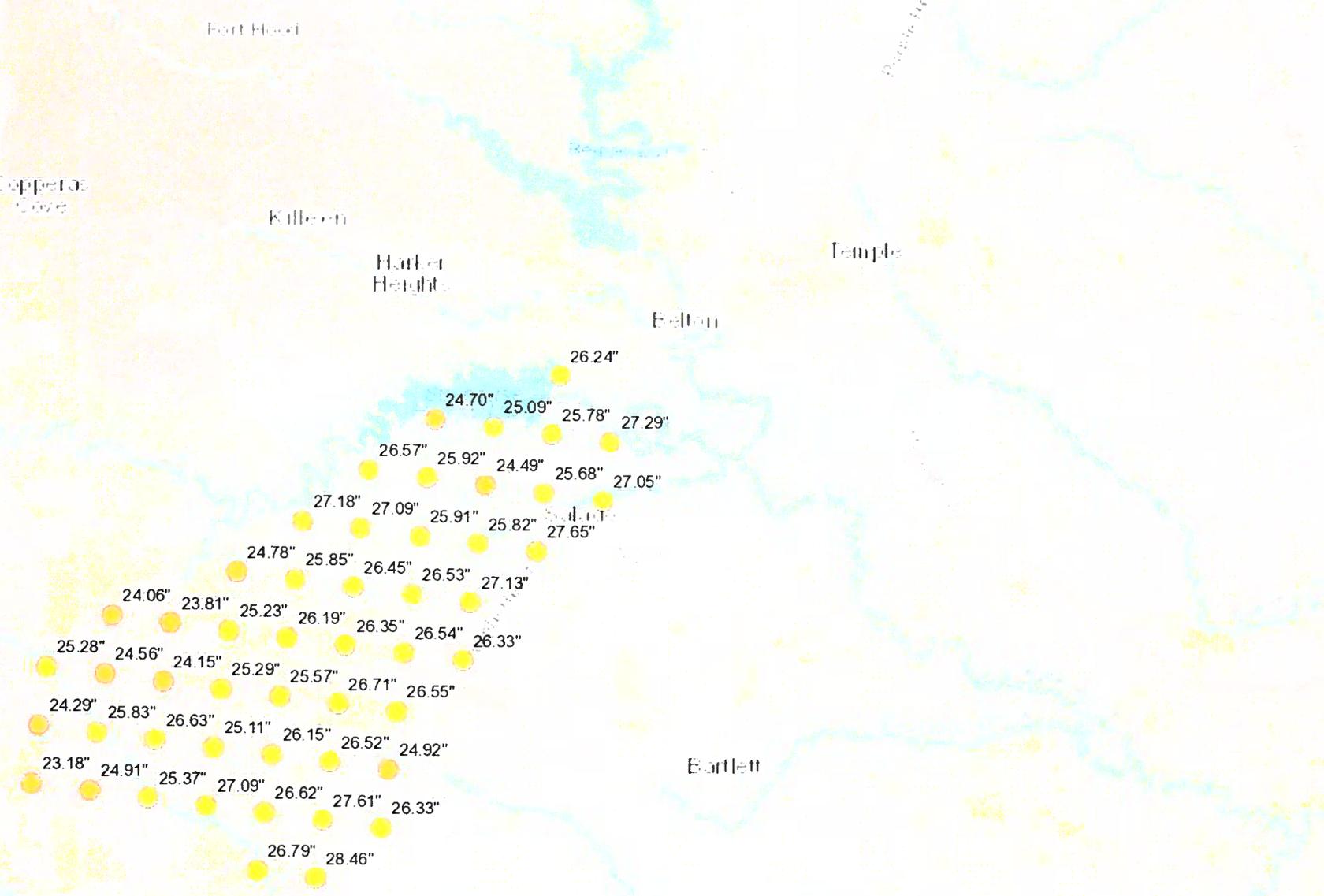
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Edwards



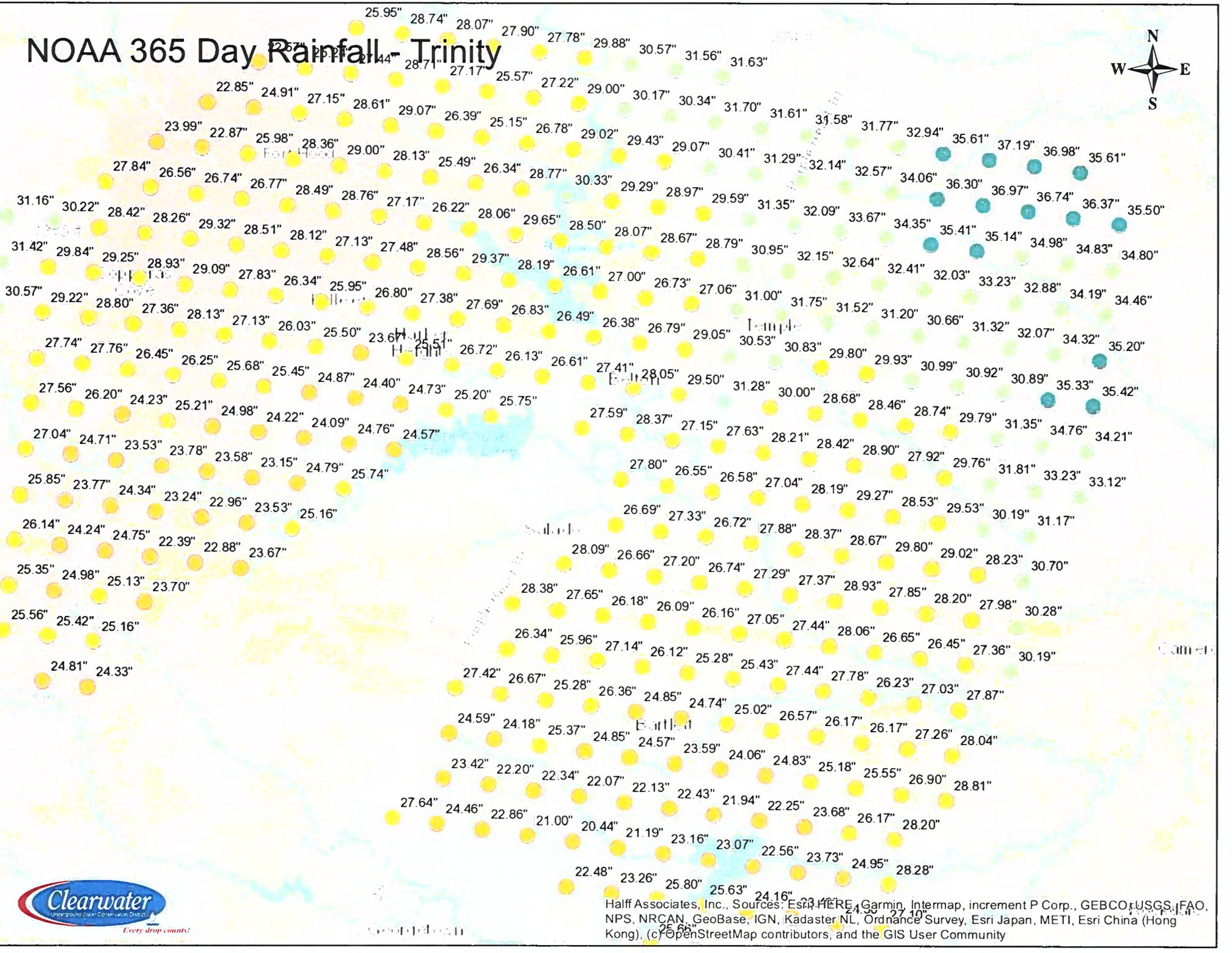
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall - Edwards



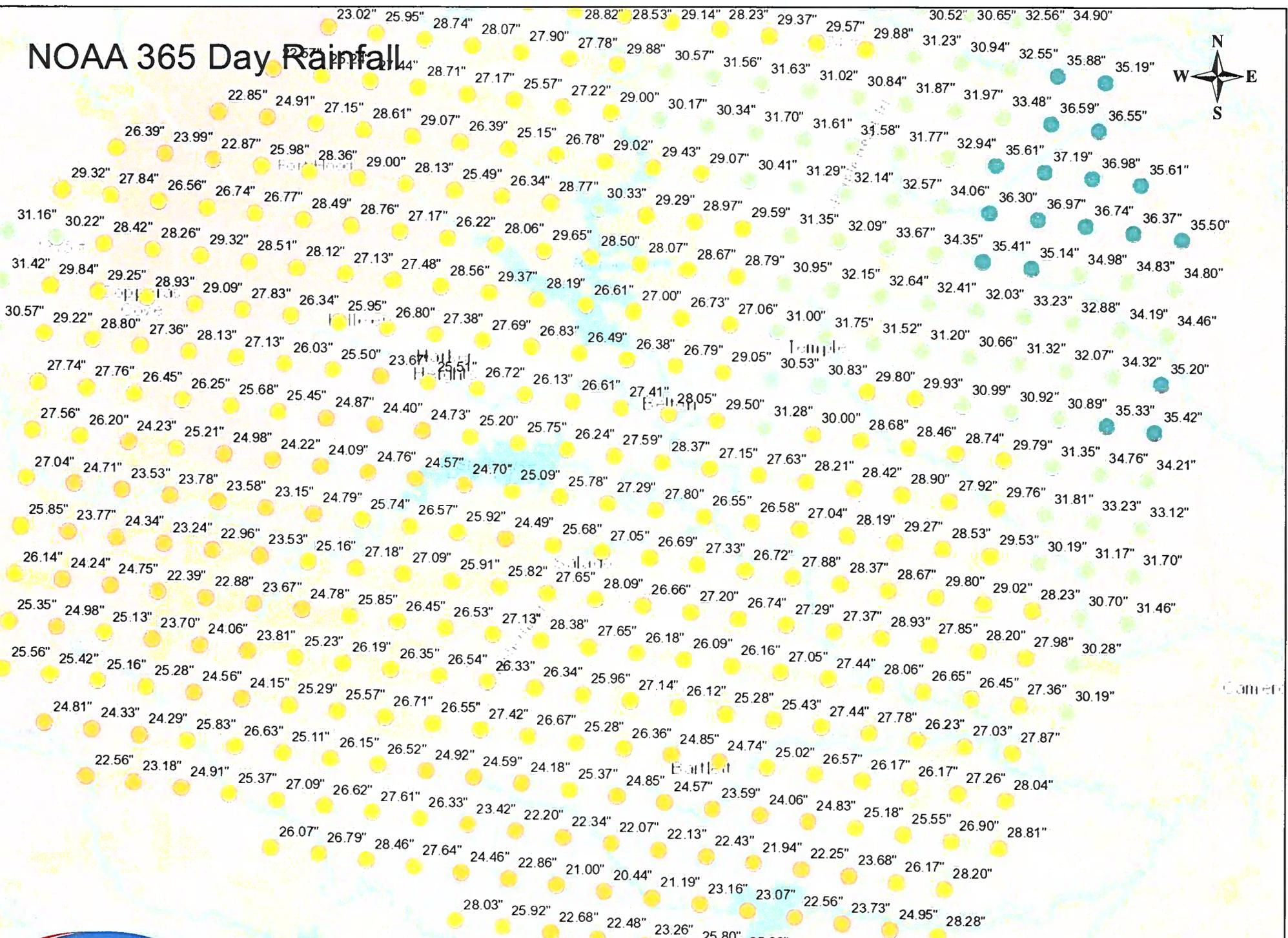
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall - 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



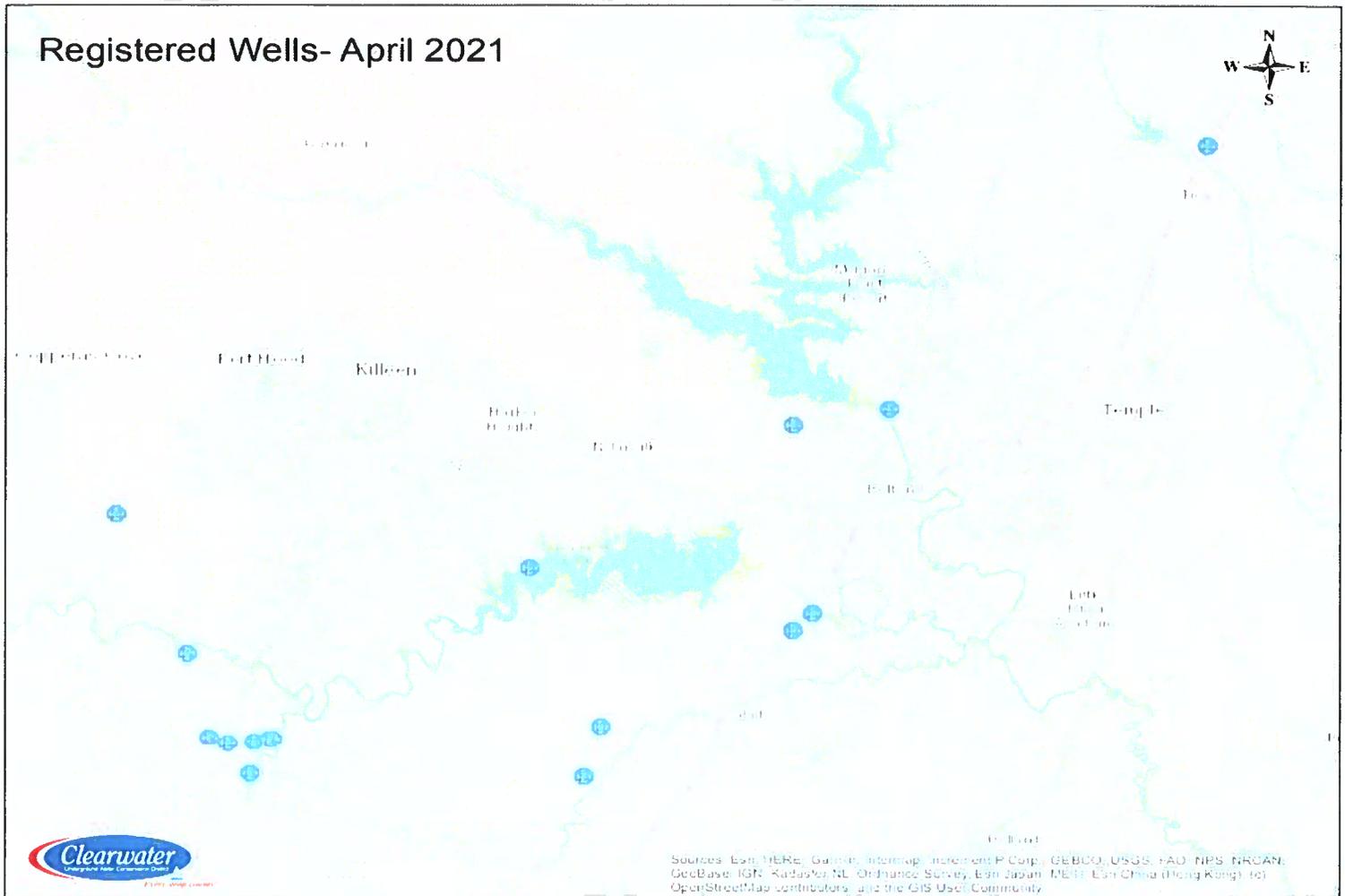
Half Associates, Inc., Sources: Esri HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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								0
June								0
July								0
Aug								0
Sep								0
Oct								0
Nov								0
Dec								0
Total 2021	14	32	1	2	1	0	0	50
Totals	4438	1096	106	38	62	26	121	5887

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002-Present	4438	1096	106	38	62	26	121	5887
Never Drilled	N/A	-27	N/A	-3	-4	0	-1	-35
Plugged	-203	-42	-18	-2	-1	-2	-53	-321
Totals	4235	1027	88	33	57	24	67	5531

Proposed New Wells - April 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-21-029G	Jack Ralston	5018 Hwy 317	Temple	Undeclared	150'	Domestic	Unknown
E-21-030P	Jim & Mary Wilson	278 Lampasas Court	Killeen	Undeclared	600'	Domestic	Active
E-21-031P	Blake & Brandy Wessels	10538 Oakalla Rd	killeen	Upper Trinity	500'	Domestic	Proposed
E-21-032P	Whitis Land Investments	3000 Illinois Ave St 100	Killeen	Undeclared	?	Domestic	Proposed
E-21-033P	Jose Perez	712 Wilson Branch Rd	Killeen	Undeclared	580'	Lvstk/pltry	Proposed
E-21-034P	Randy Taylor	P.O. Box 431	Salado	Undeclared	120'	Domestic	Proposed
E-21-035G	Chester Dickson	24 W Rivercrest Drive	Houston	Alluvium	11.5'	Lvstk/pltry	Inactive
E-21-036P	Fred Ellis	3513 Florence Rd	Killeen	Undeclared	520'	Domestic	Proposed
E-21-037G	Davis	I-35 (tbd)		Alluvium	20'	Domestic	Inactive
E-21-038GU	BellCAD	PO Box 390	Belton	Middle Trinity	615'	Domestic	Inactive
E-21-039P	Maureen Rodriguez	1326 Briggs Rd	Killeen	Undeclared	550'	Domestic	Proposed
E-21-040P	Ismary Banks-Nieves	8907 Viewpark Lane	Killeen	Undeclared	500'	Domestic	Proposed
E-21-041G	Jody Williams	P.O. Box 780	Rogers	Undeclared	120'	Domestic	Inactive
E-21-042P	Bill Messer	7700 Nolan Bluff Rd	Belton	Undeclared	1,000'	Domestic	Proposed
E-21-043P	Edgar Frazier	450 Crossland Drive	Killeen	Undeclared	500'	Domestic	Proposed
N1-21-002P	David & Denea Reaves	21625 State HWY 195	Killeen	Upper Trinity	600'	Domestic	Proposed
N2-21-002G	Rogelio Navarro	8151 Smith Dairy Rd	Belton	Edwards (BFZ)	170'	Domestic	Active