



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

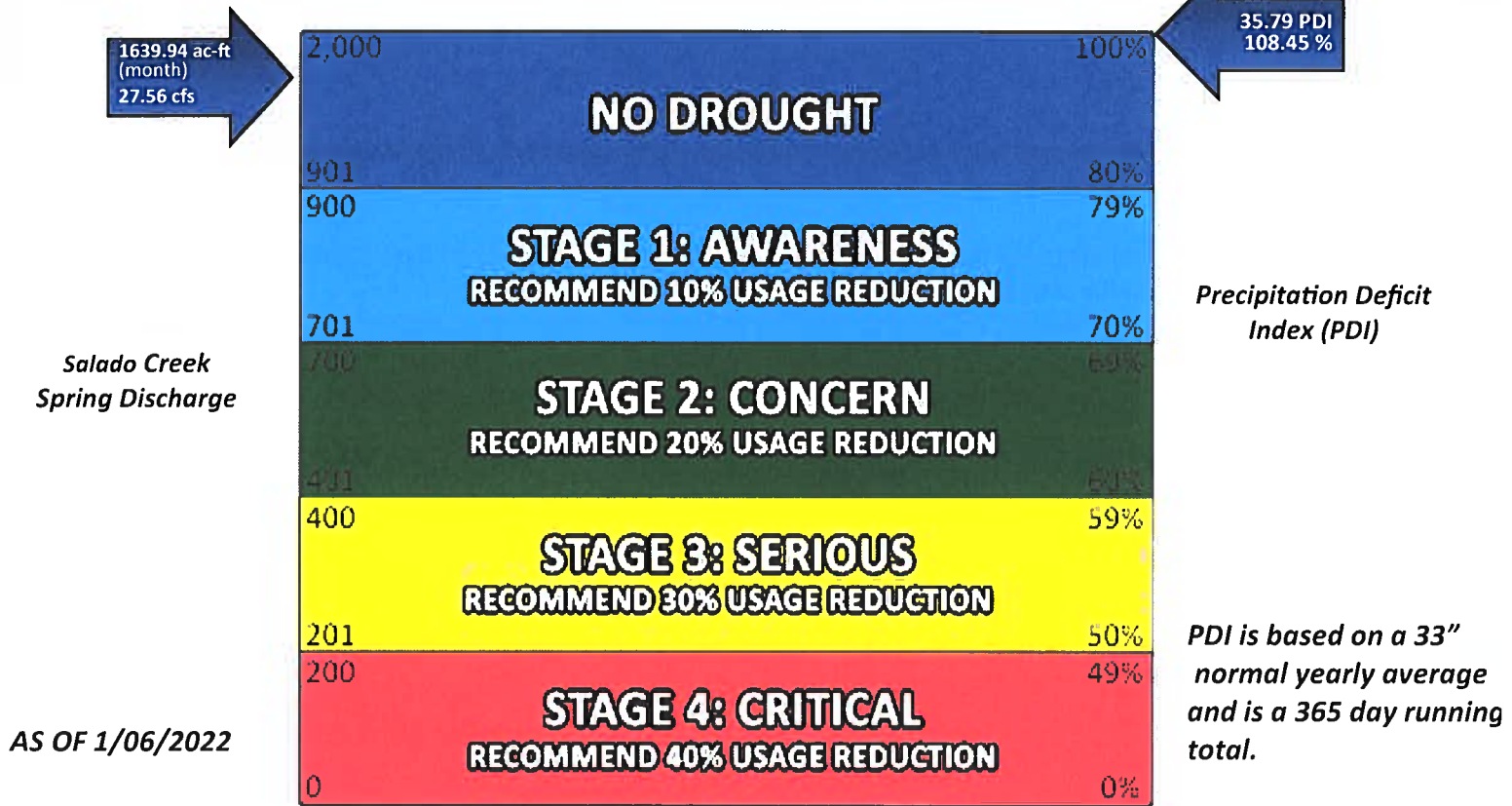
Clearwater Staff Reports

January 12, 2022

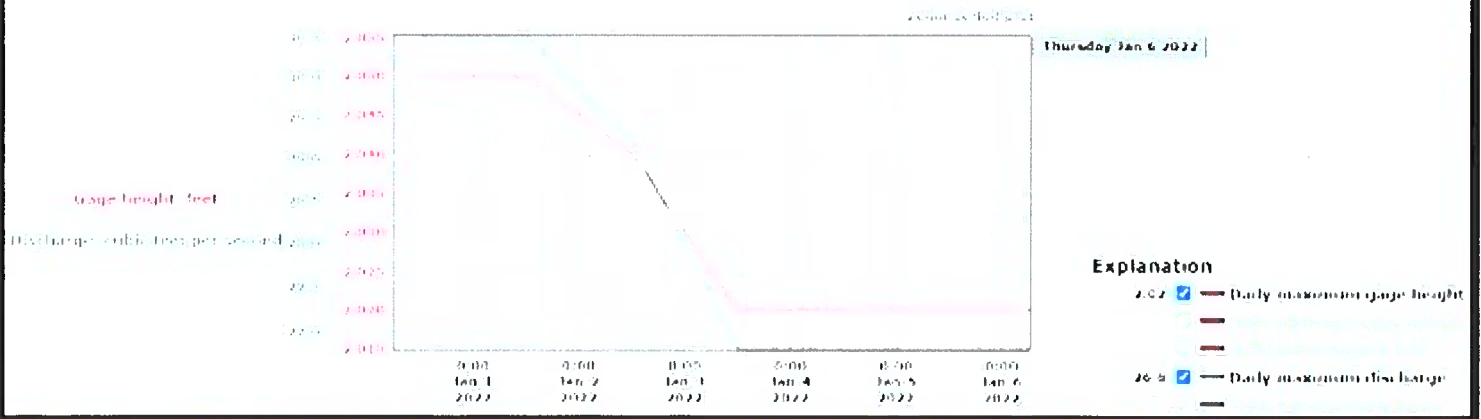
1. Drought Status
2. Educational Outreach Update
3. Monitoring Wells
4. Rainfall/Drought Conditions
5. Well Registrations
6. Non-Exempt Monthly Well Production

Edwards BFZ Aquifer—Drought Status Report

NO DROUGHT

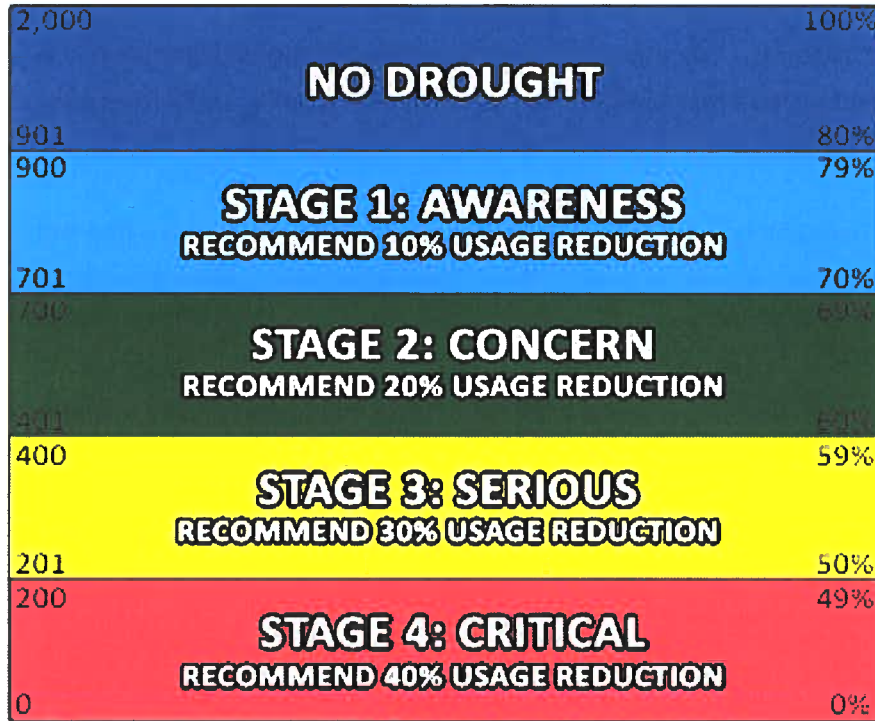


USGS 08104300 Salado Ck at Salado, TX



Trinity Aquifer—Drought Status Report

NO DROUGHT

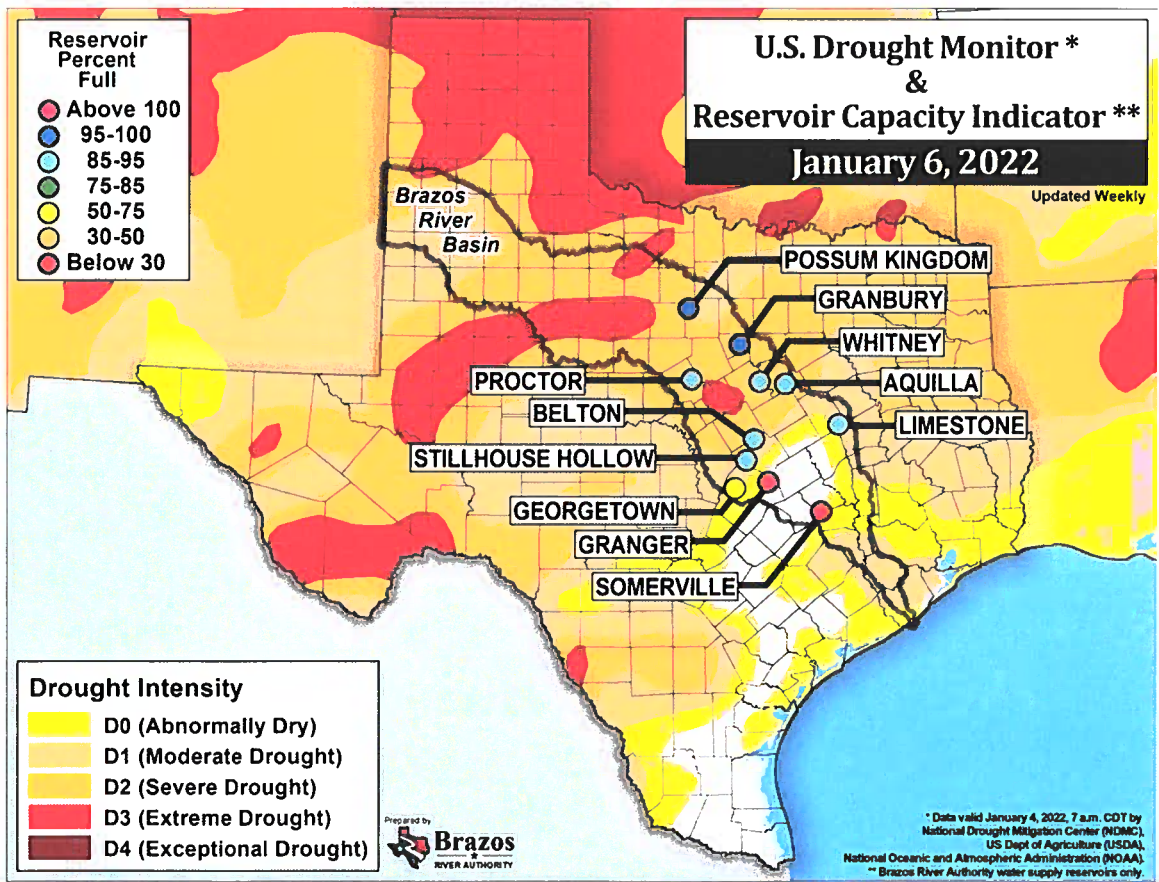


34.189 PDI
103.60 %

Precipitation Deficit Index (PDI)

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

AS OF 1/06/2022





Education Outreach Highlights 1/12/22

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).

- November 17 – Staff hosted the 20th Annual Bell County Water Symposium at Bell County Expo Center – Assembly Hall. 181 were in attendance.
- January 18 – Staff will host a booth at the Bell County Crops Conference.
- March 11 – Staff will be presenting to home school kids through rotations in the education trailer.

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).

- Working with LRE Water to develop the new platform for Database Management.
- HALFF shut down our platform with them on January 3rd.
- Most of our permitted users are entering their monthly water usage online now.

3. Increase the District Communication strategically by expanding the utilization of 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.

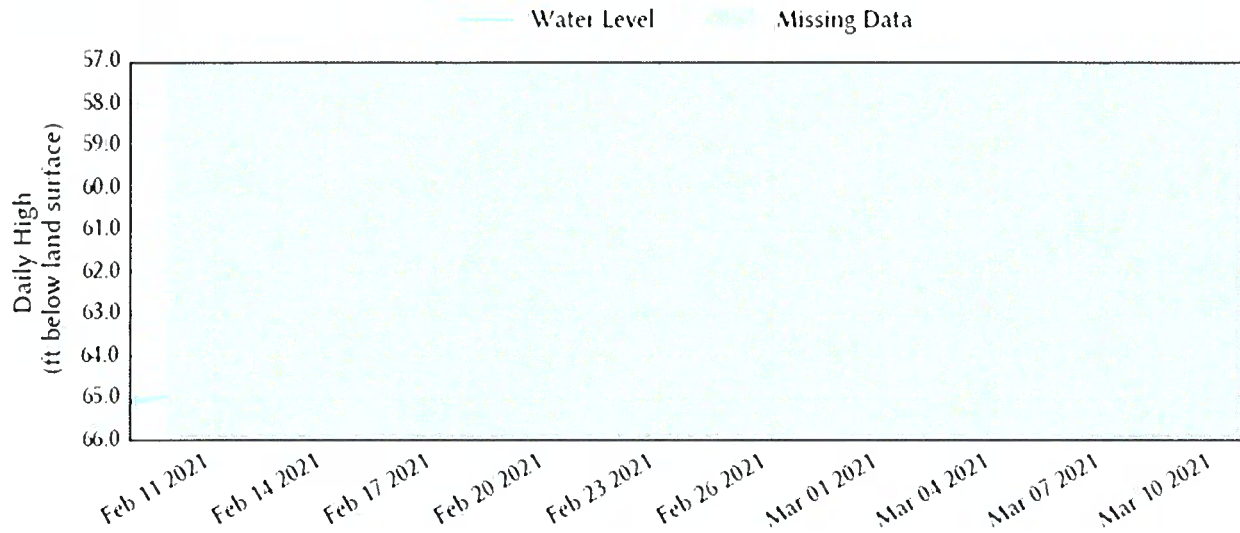
4. Improve Annual Reporting accuracy and timeliness per State-mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).

- Staff is preparing the 2021 Annual Report.

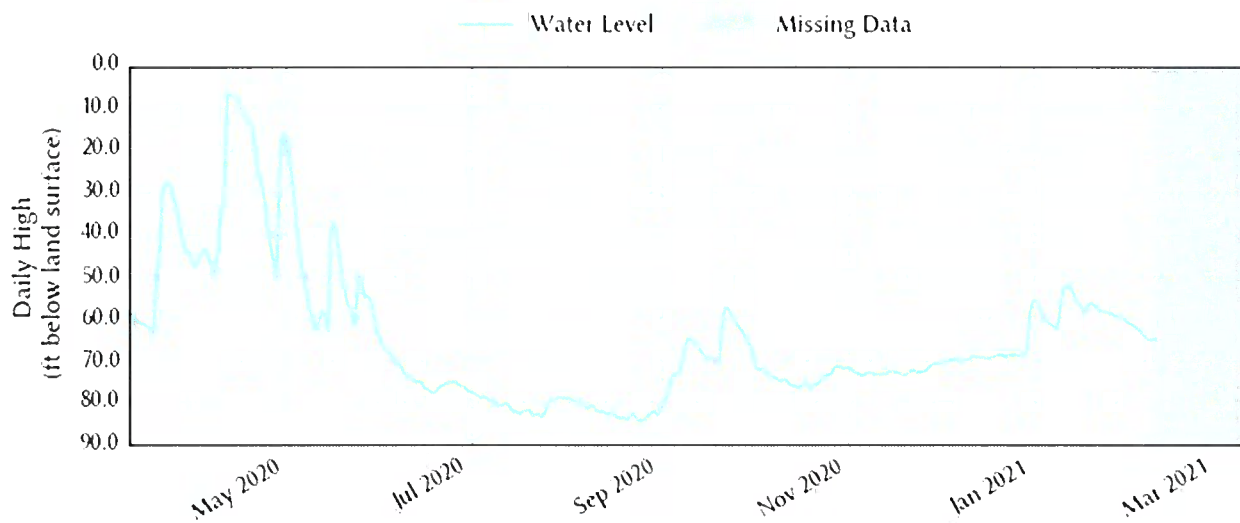
January 2022

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

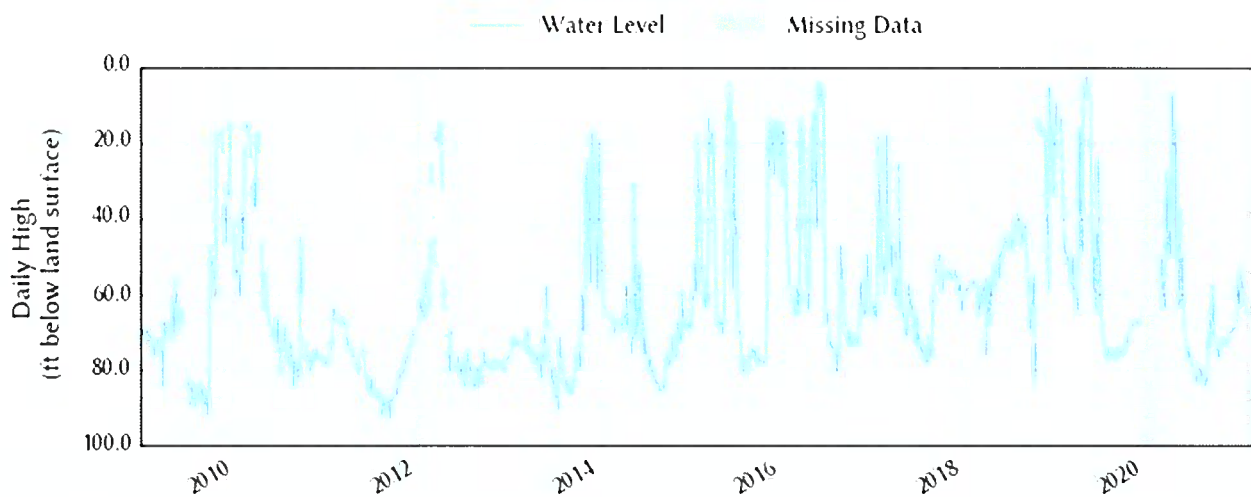
Last 30 Days



1 Year



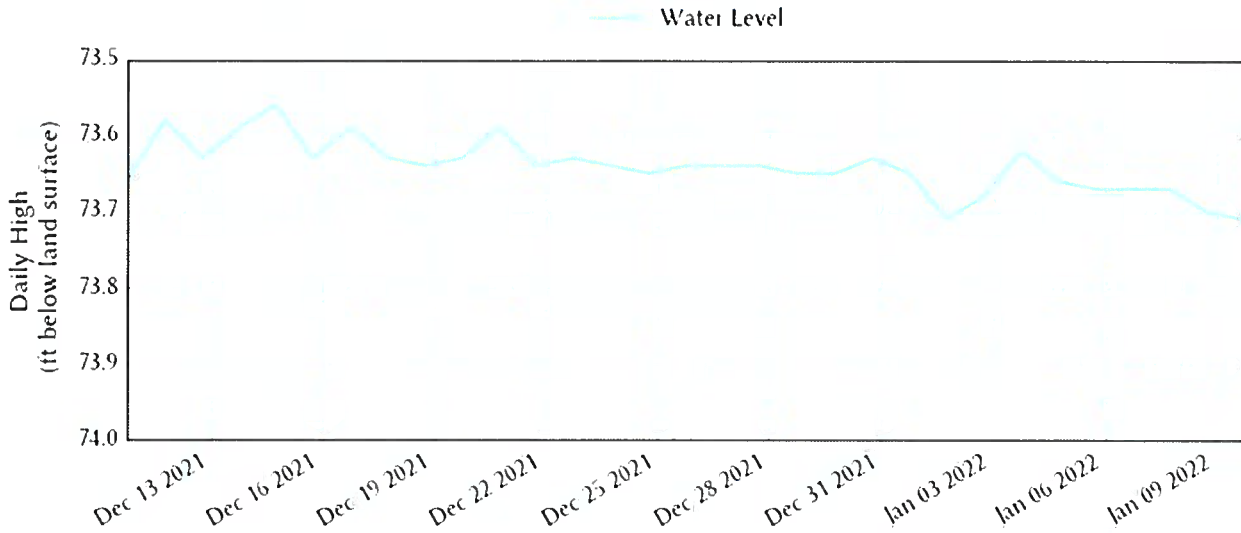
Period Of Record



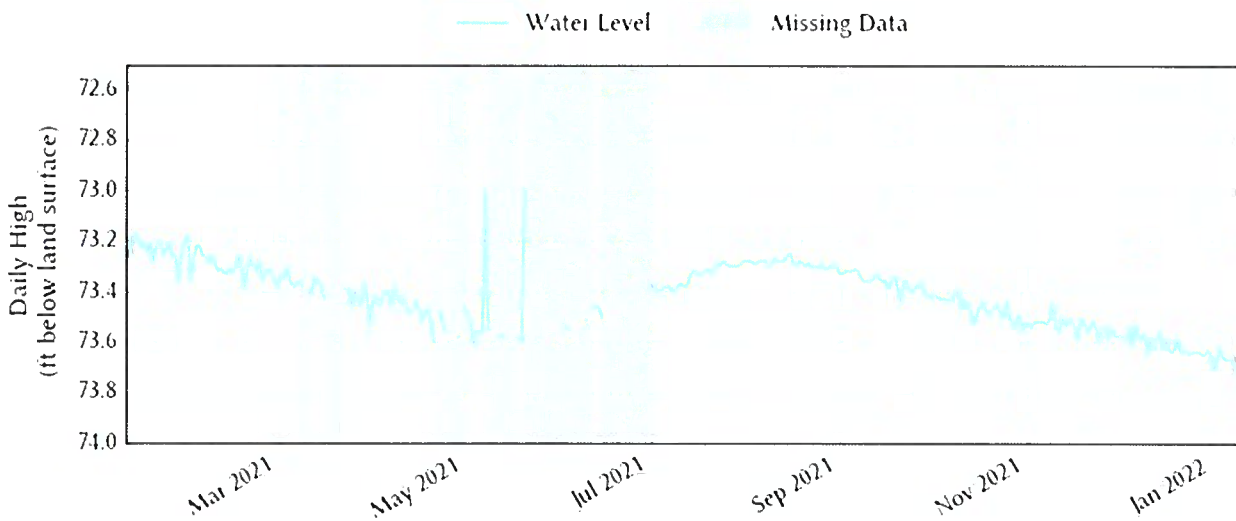
January 2022

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

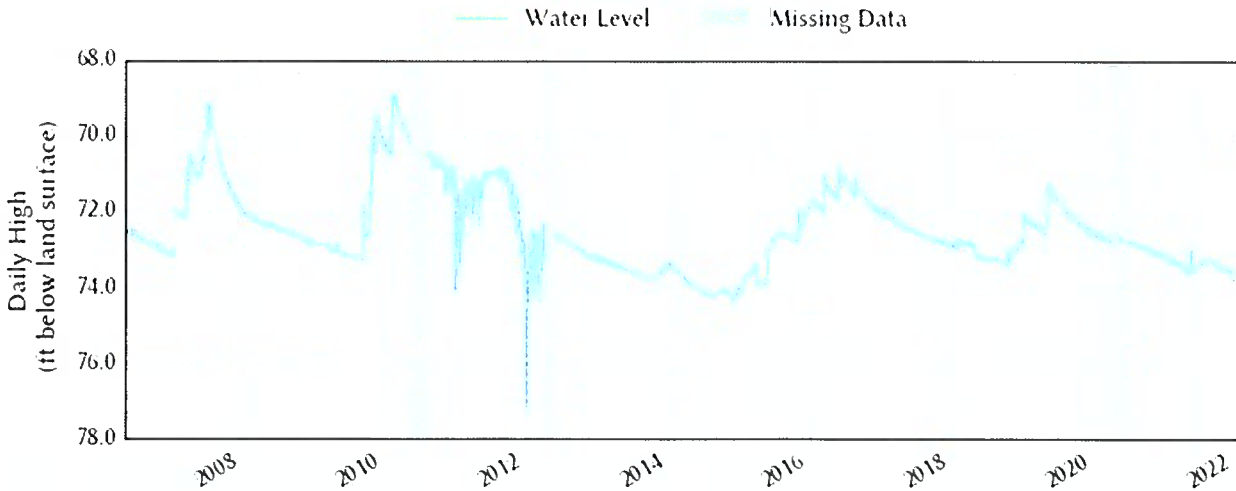
Last 30 Days



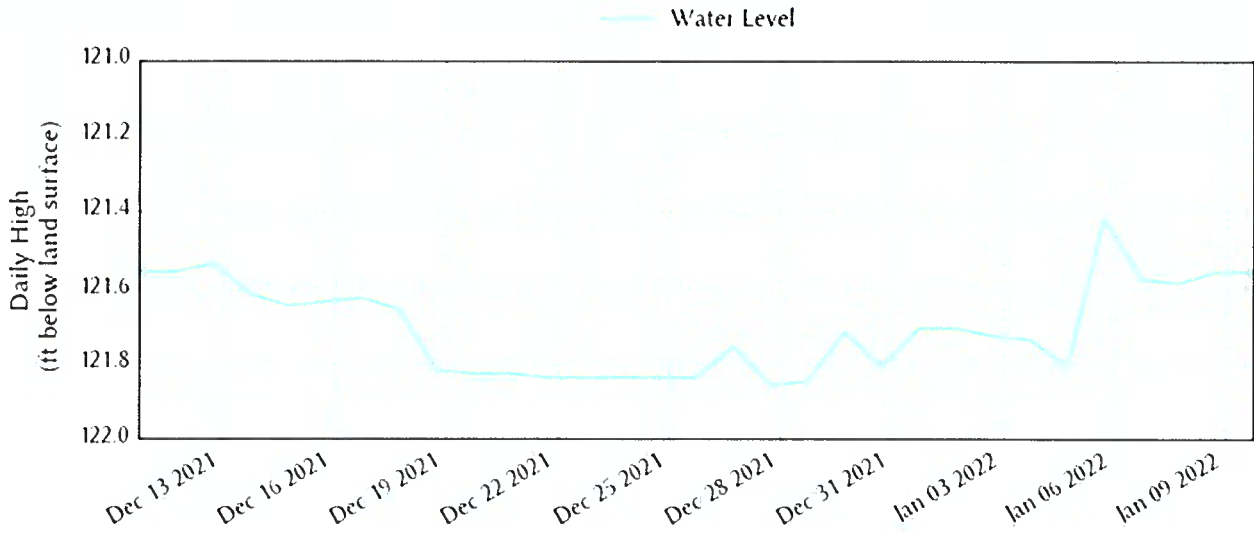
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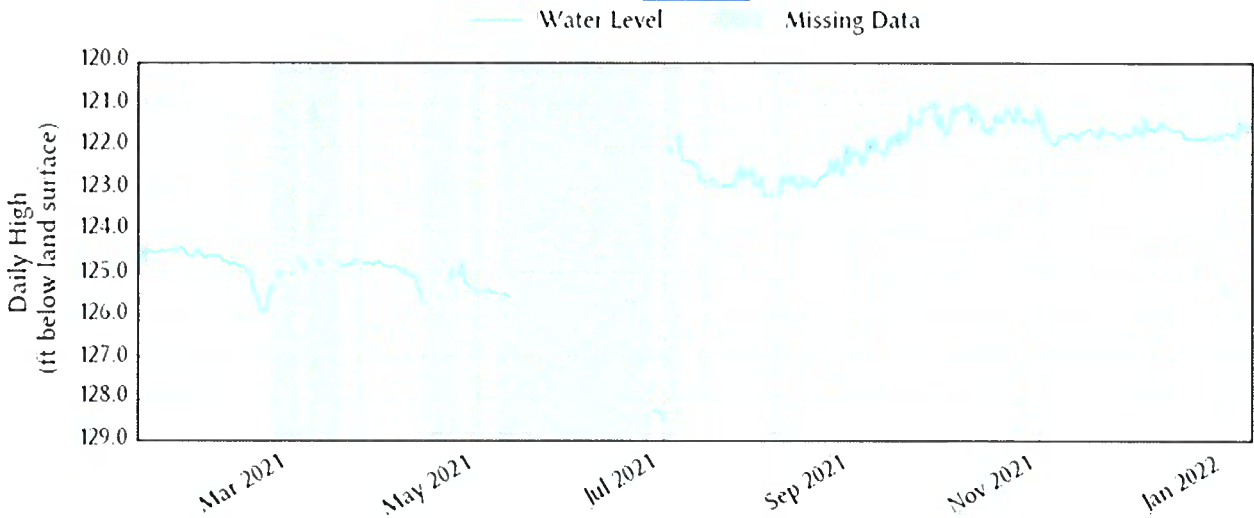
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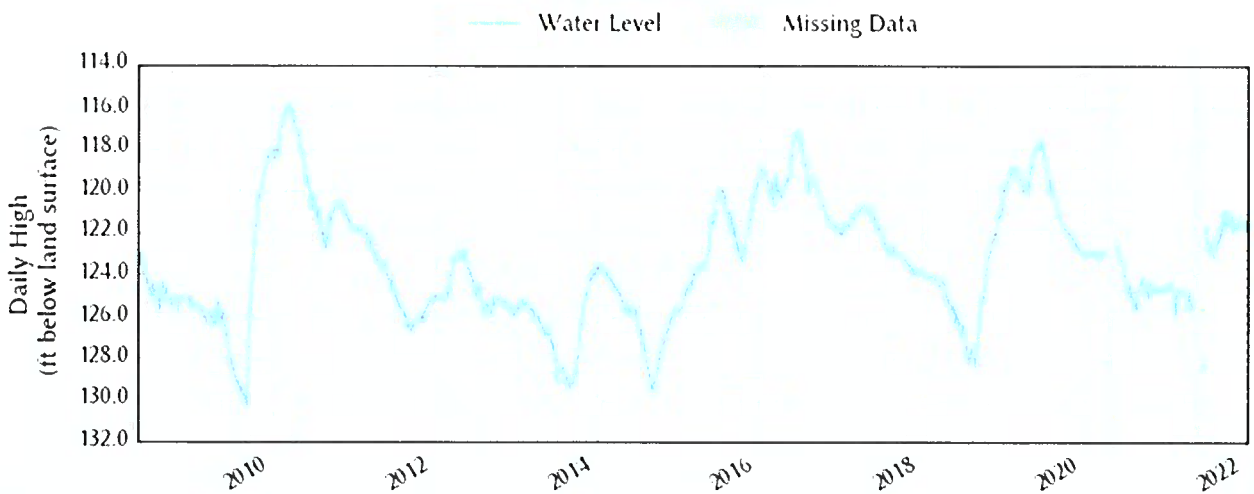
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1 Year



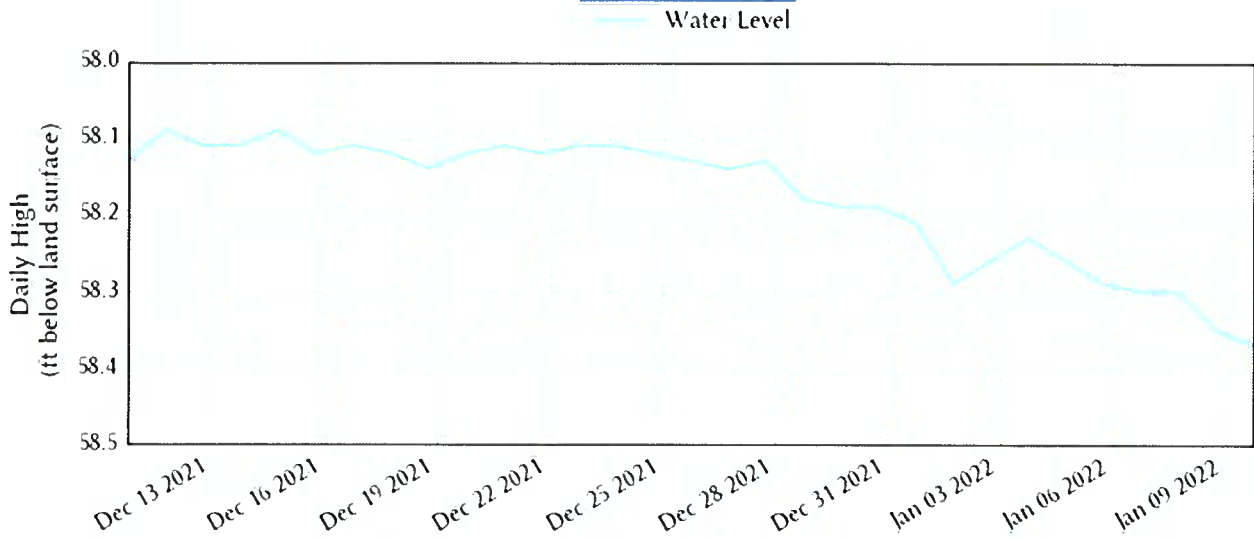
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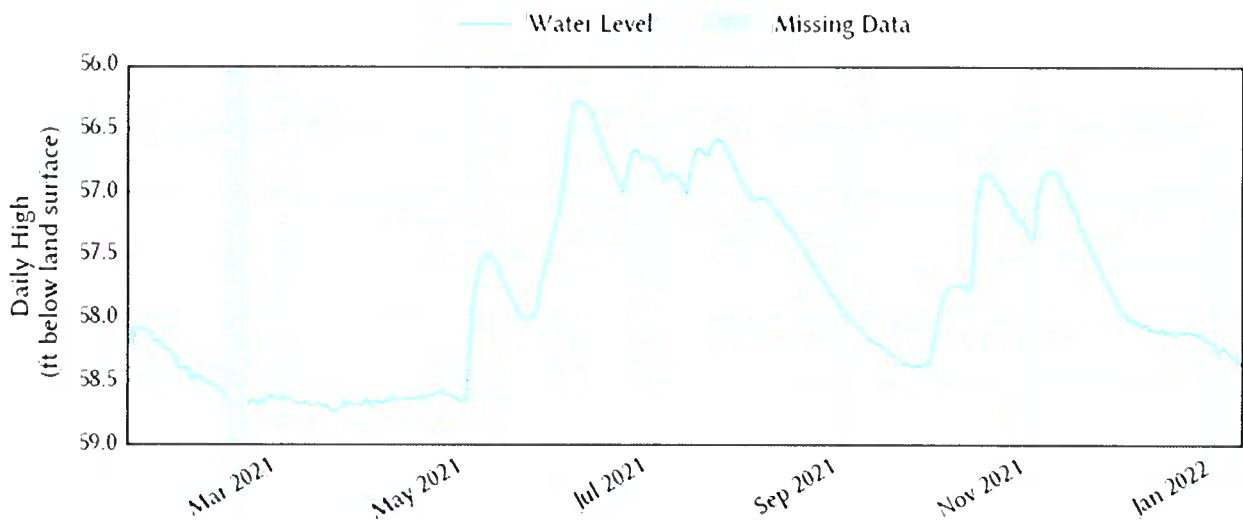
January 2022

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

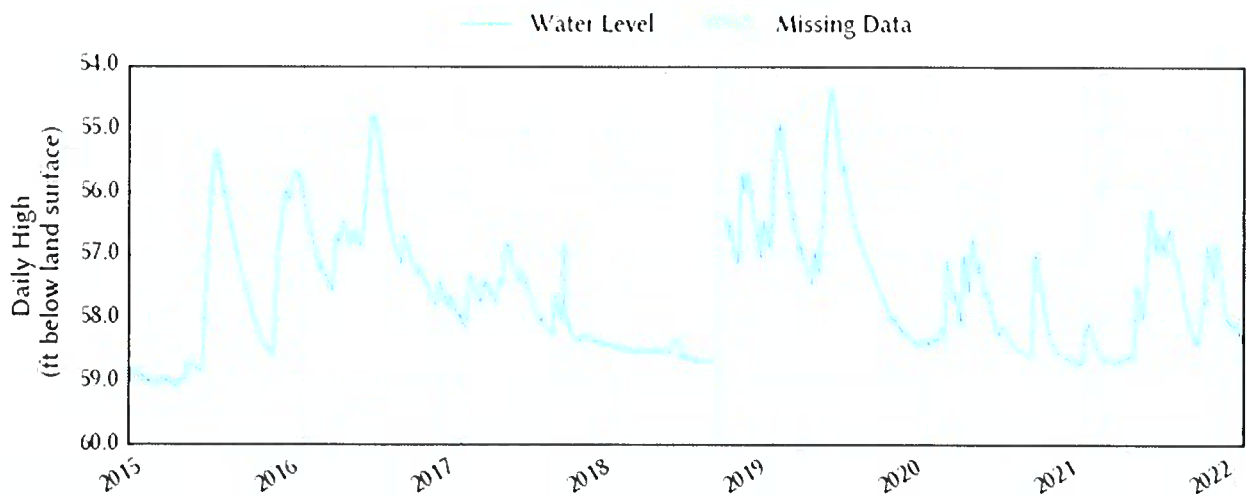
Last 30 Days



1 Year

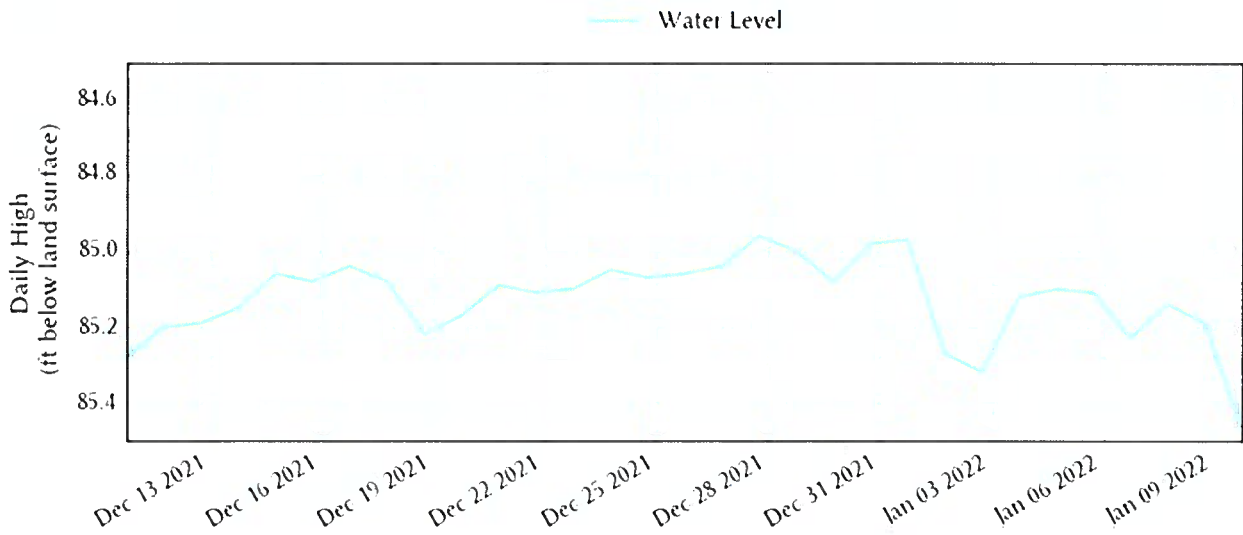


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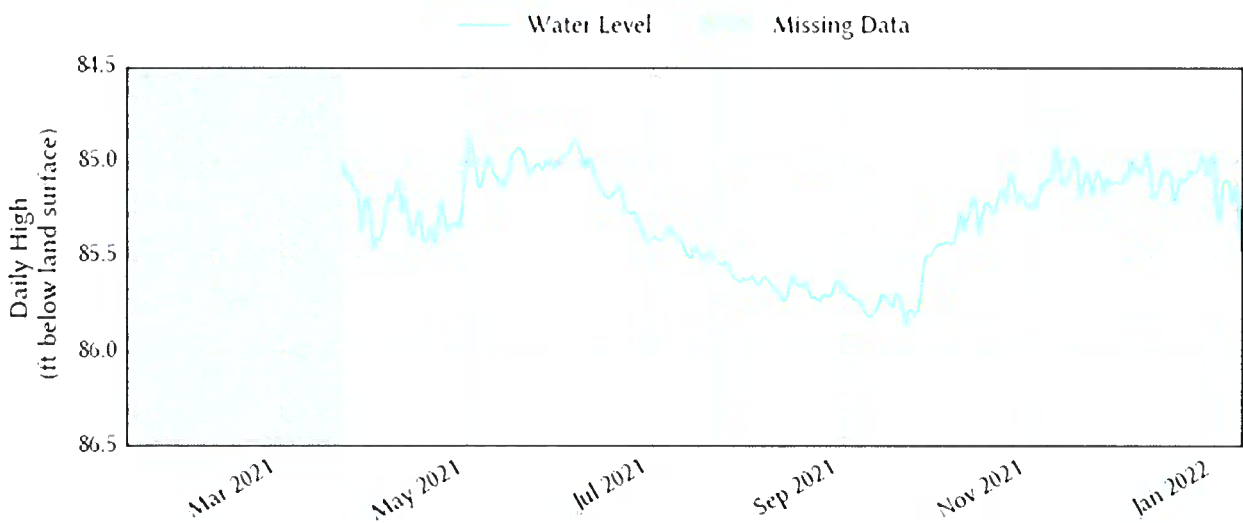


Continuous Monitoring Well # 4058201
(Central Texas College - Ranch Rd)
Upper Trinity Aquifer

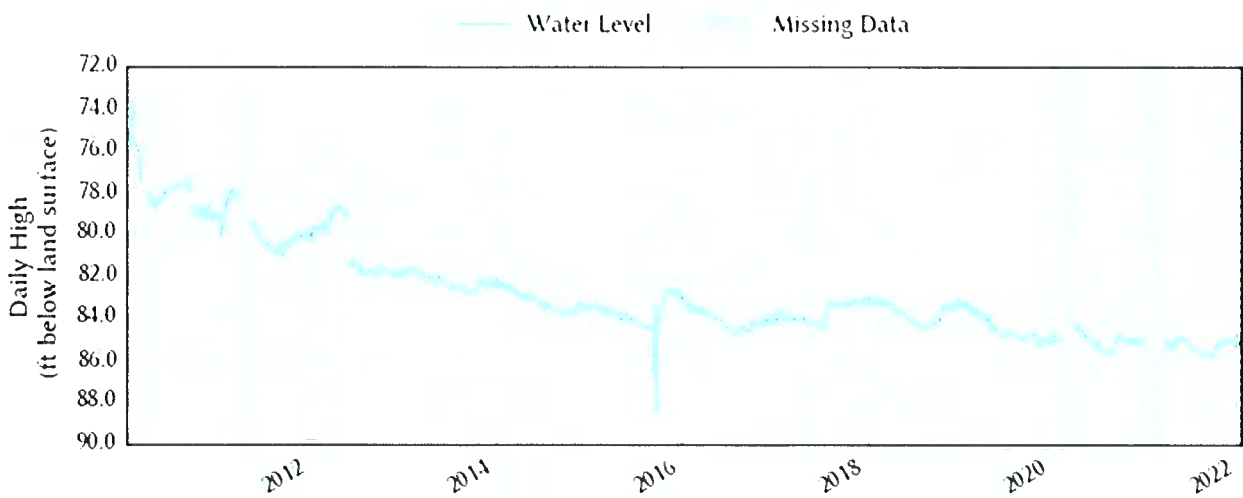
Last 30 Days



1 Year

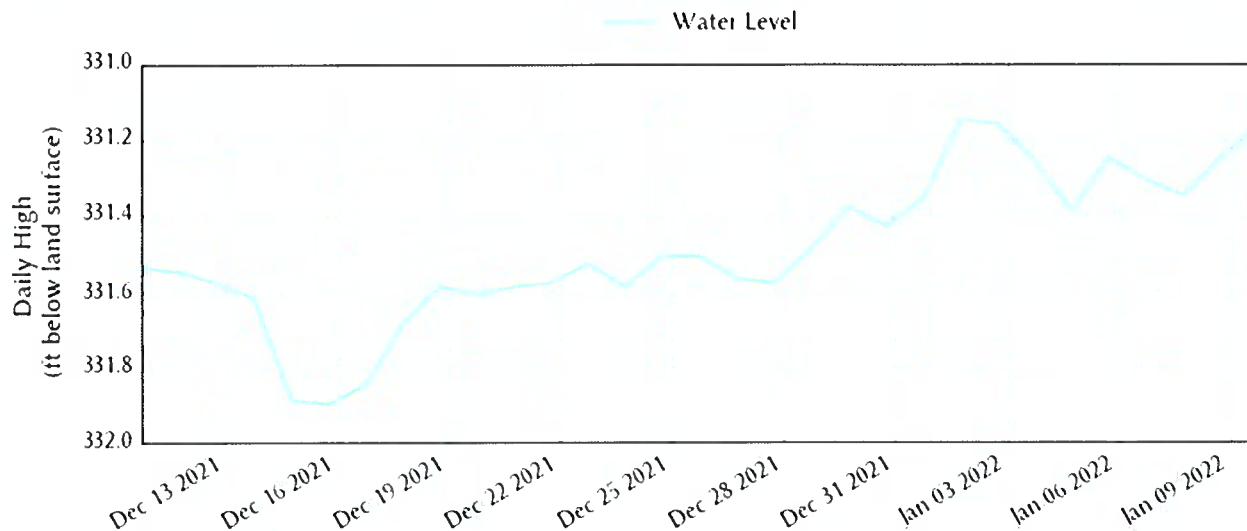


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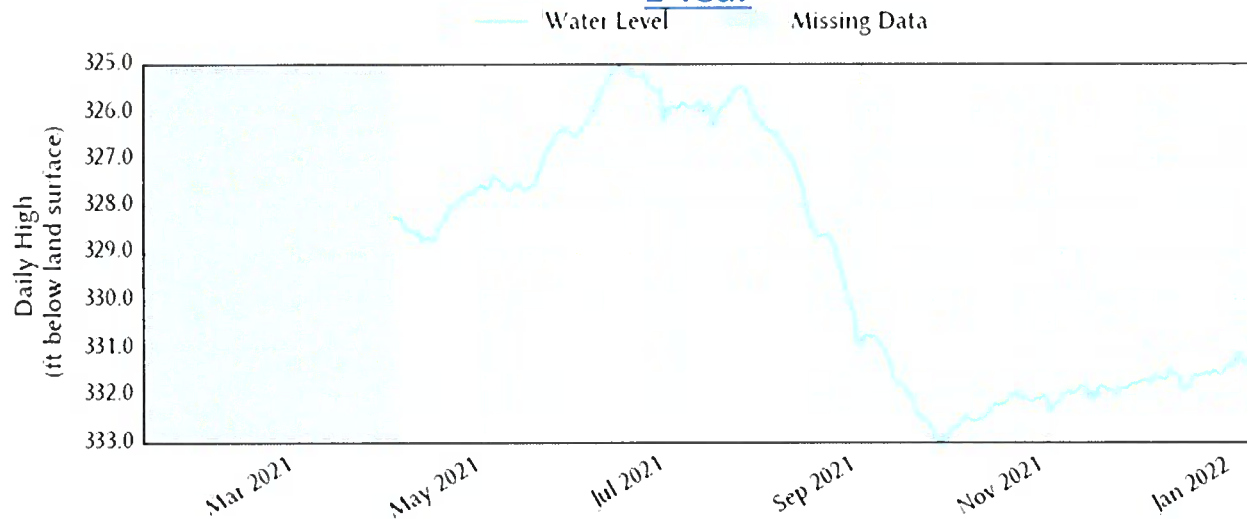


Continuous Monitoring Well # 4057601
(Copperas Cove)
Middle Trinity Aquifer

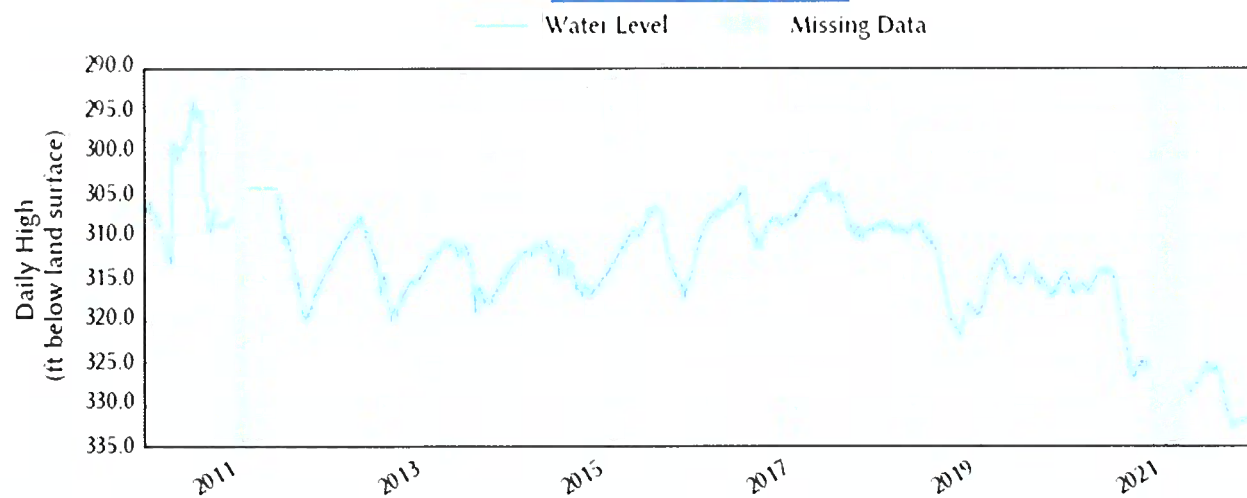
Last 30 Days



1 Year

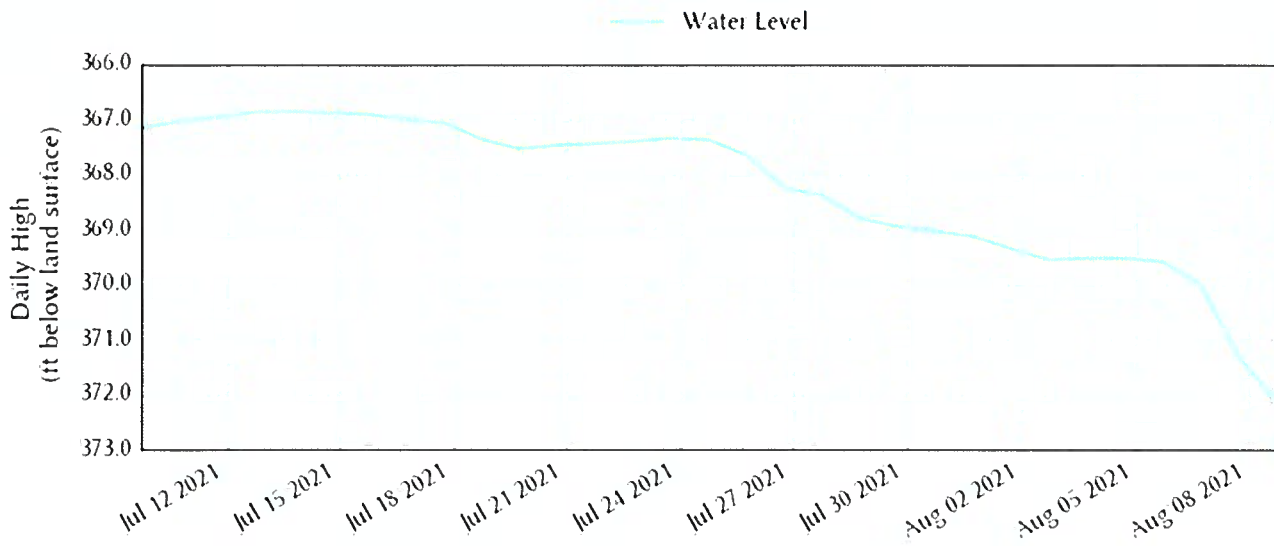


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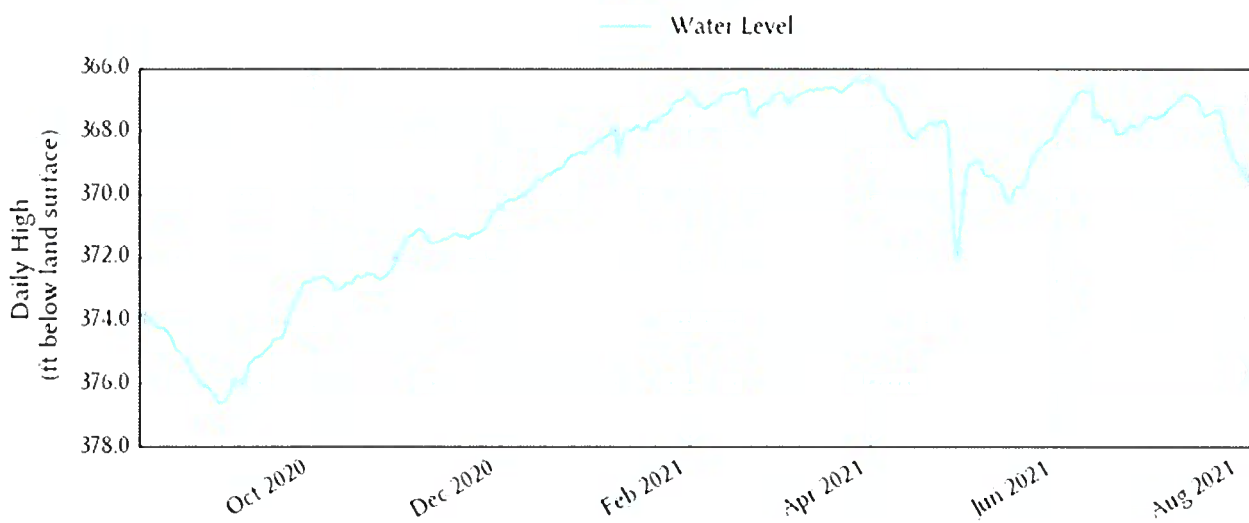


Continuous Monitoring Well # 5802304
(Killeen - River Ridge Ranch Park Well #1)
Middle Trinity Aquifer

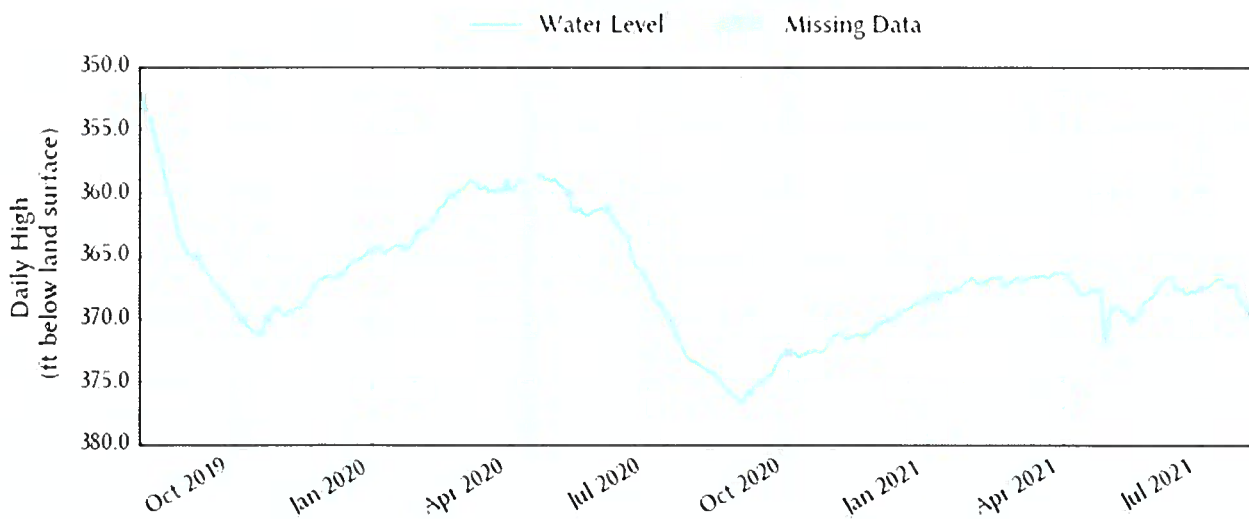
Last 30 Days



1 Year



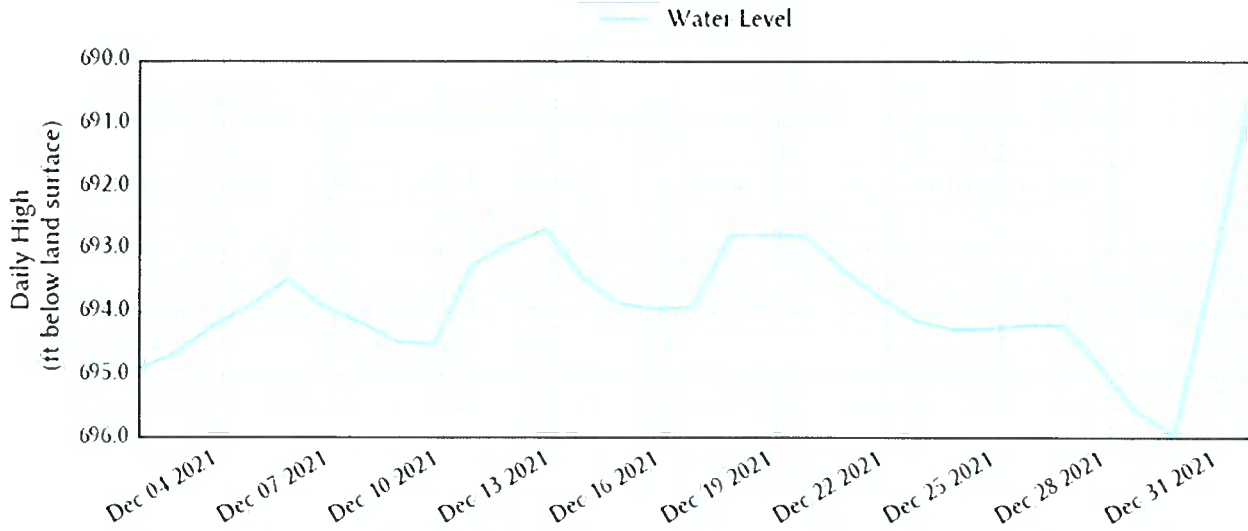
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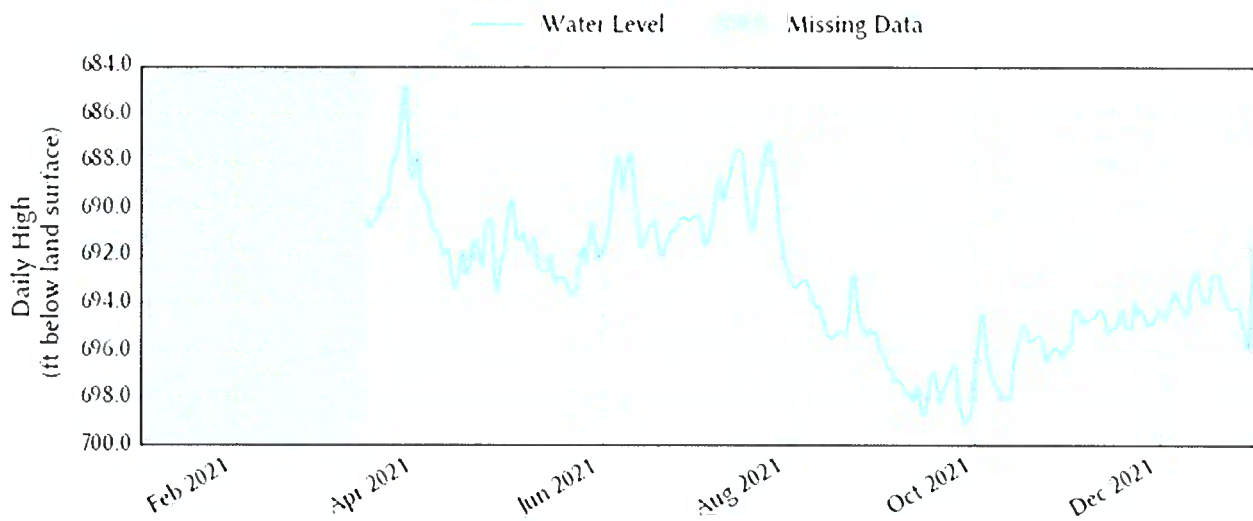
January 2022

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

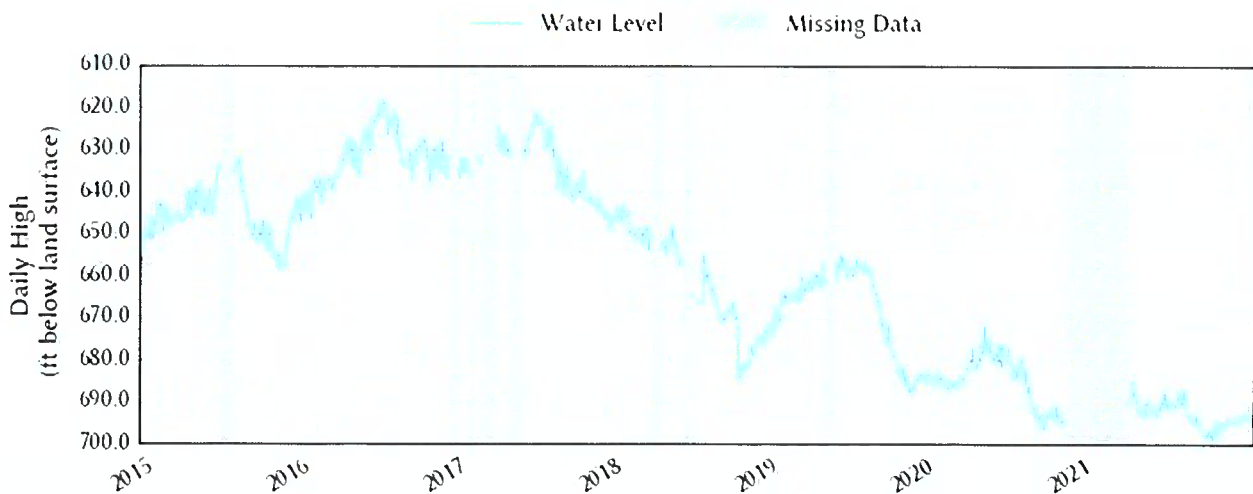
Last 30 Days



1 Year

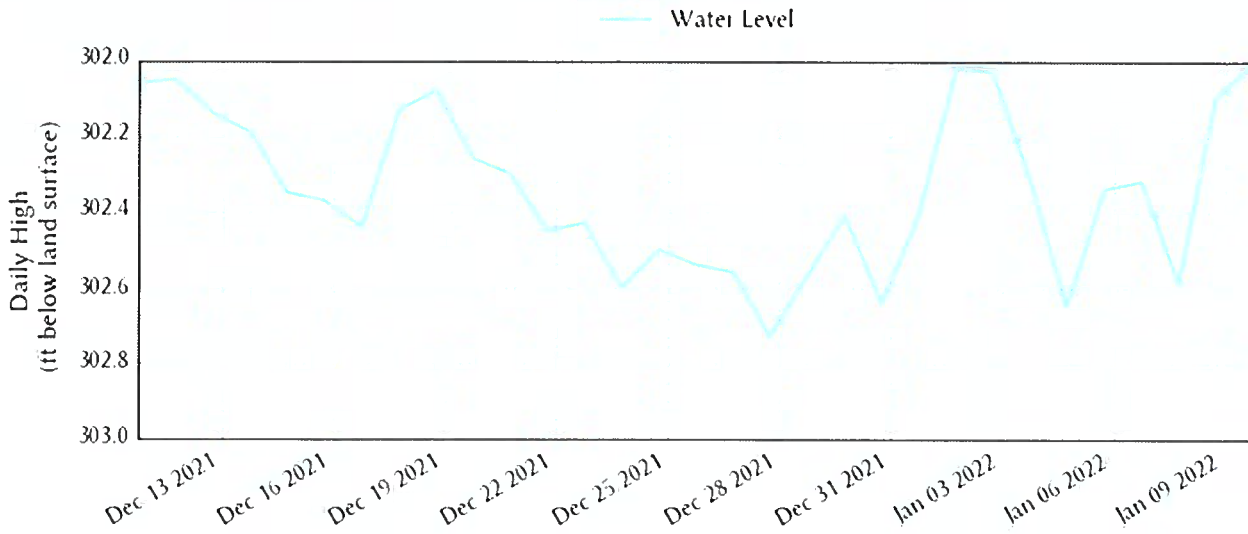


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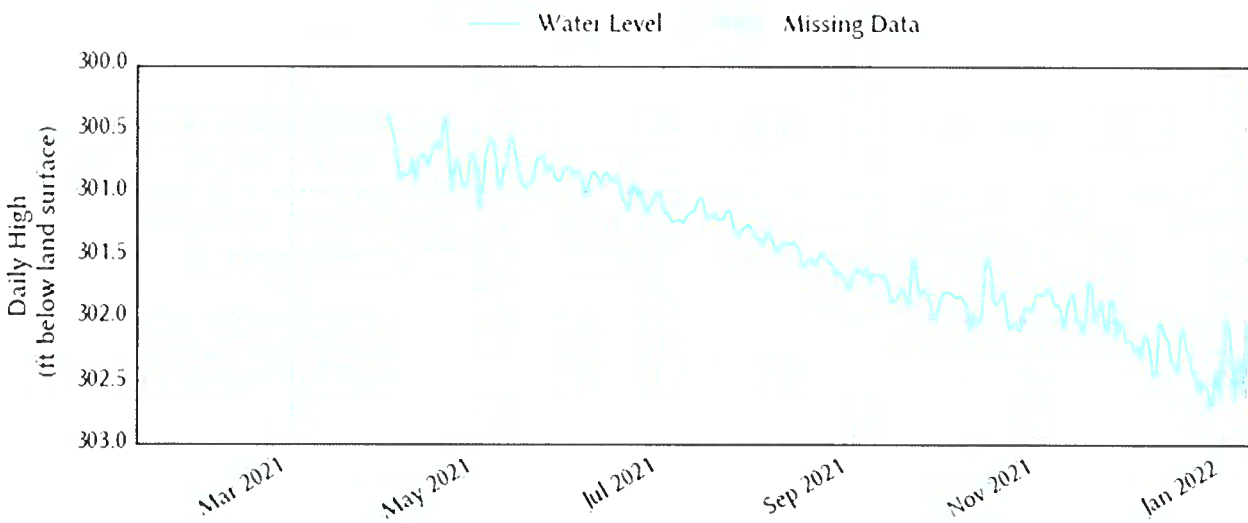


Continuous Monitoring Well # 4057602
(Copperas Cove)
Lower Trinity Aquifer

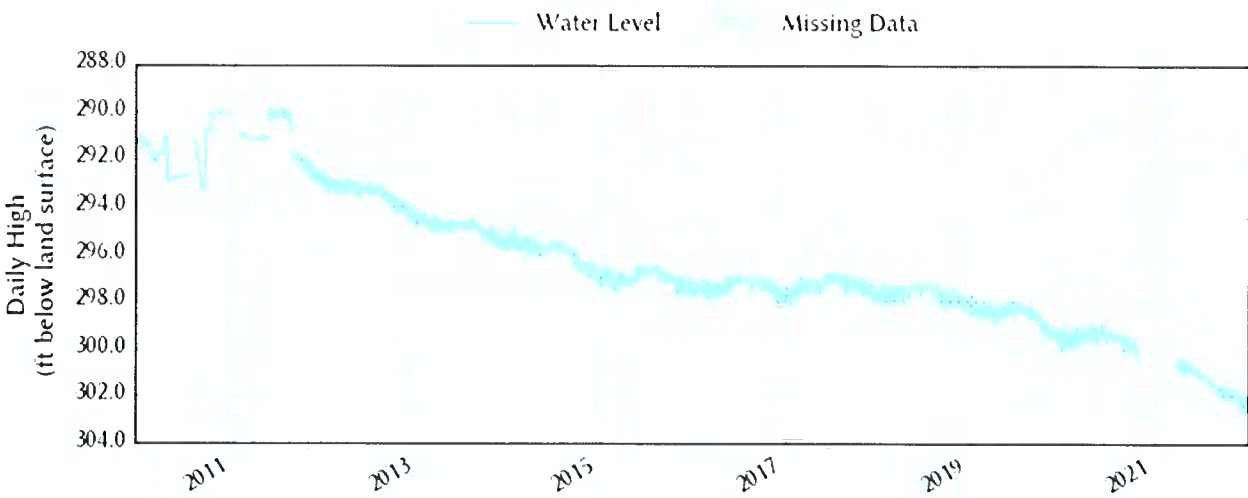
Last 30 Days



1 Year

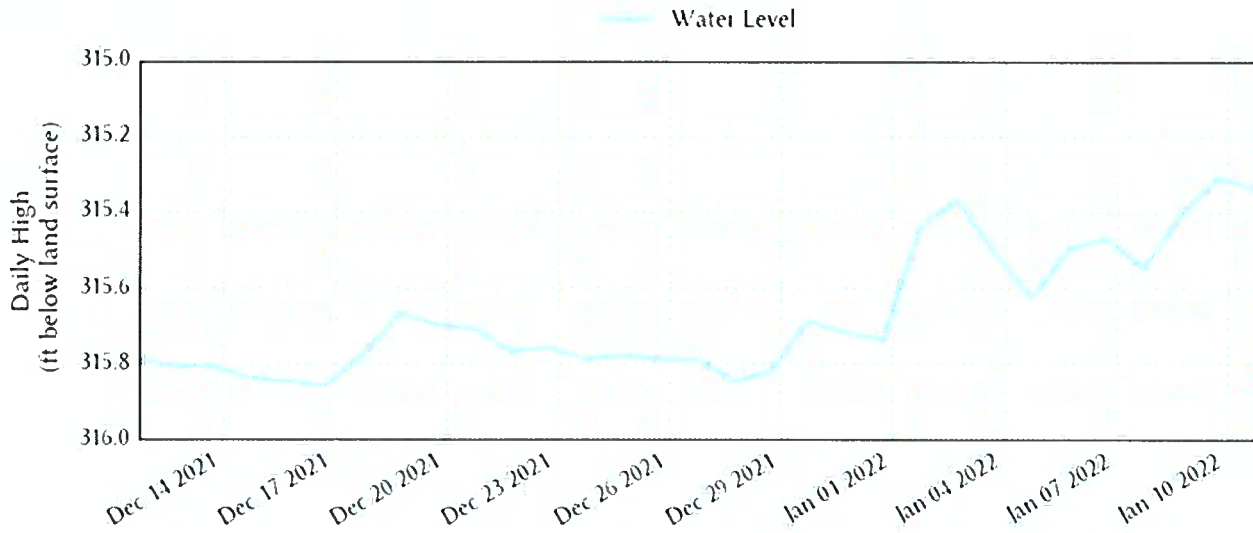


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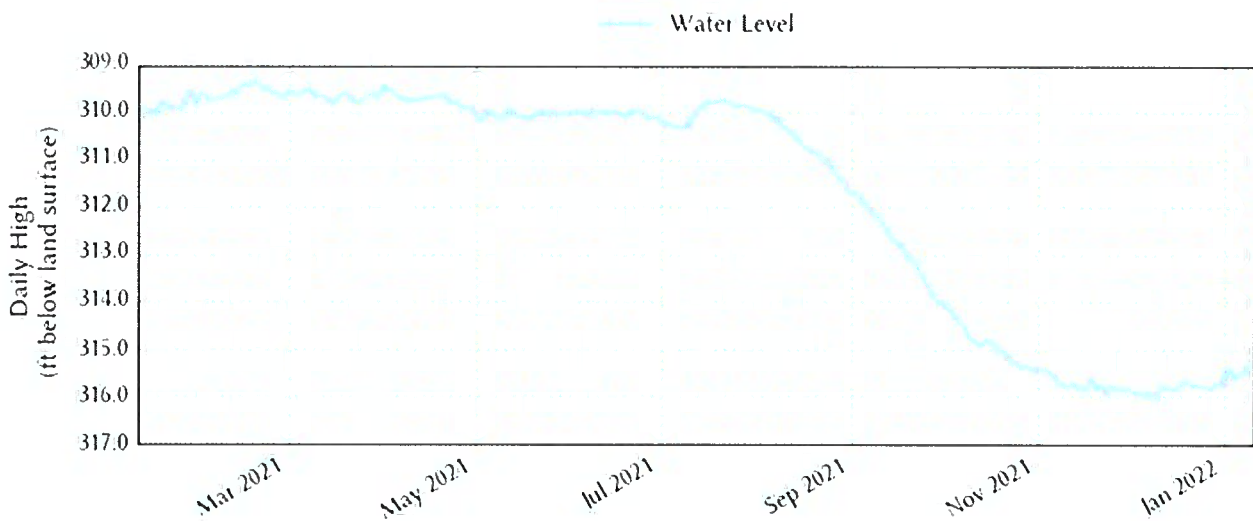


Continuous Monitoring Well # 5802303
(Killeen - River Ridge Ranch Park Well #2)
Lower Trinity Aquifer

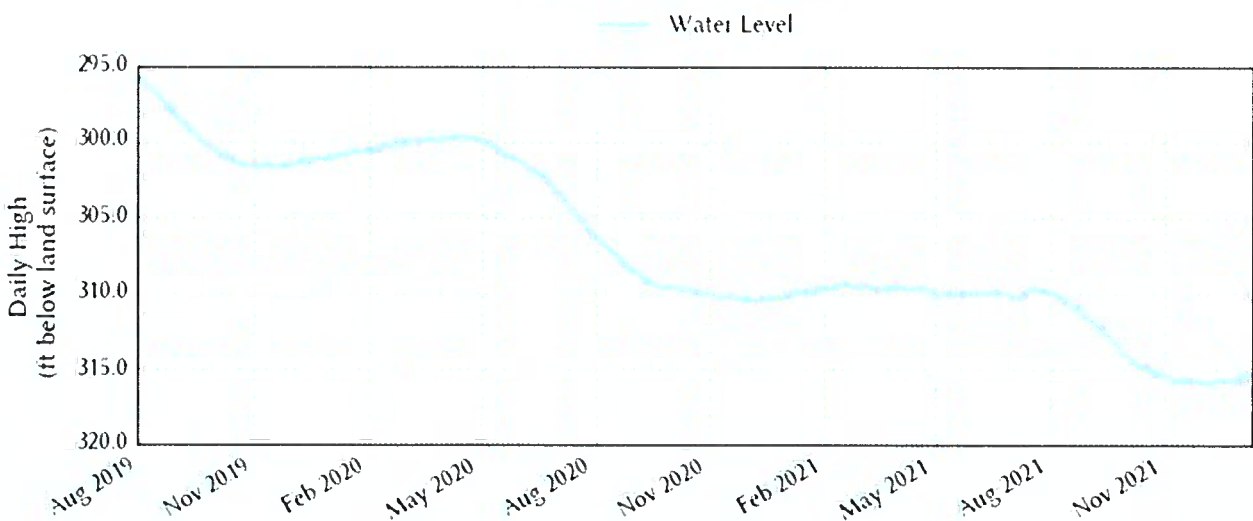
Last 30 Days



1 Year

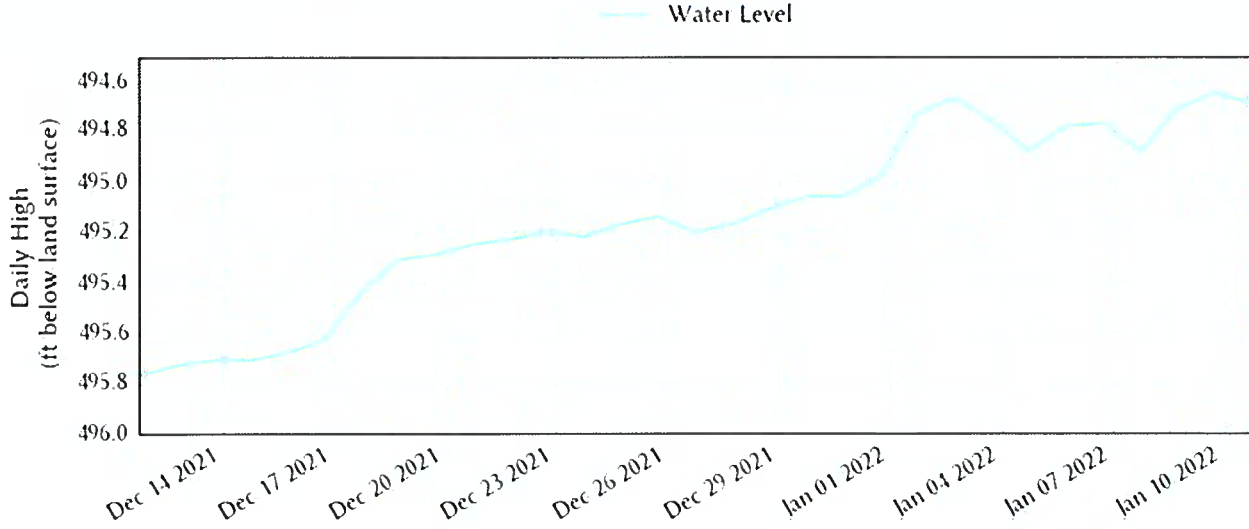


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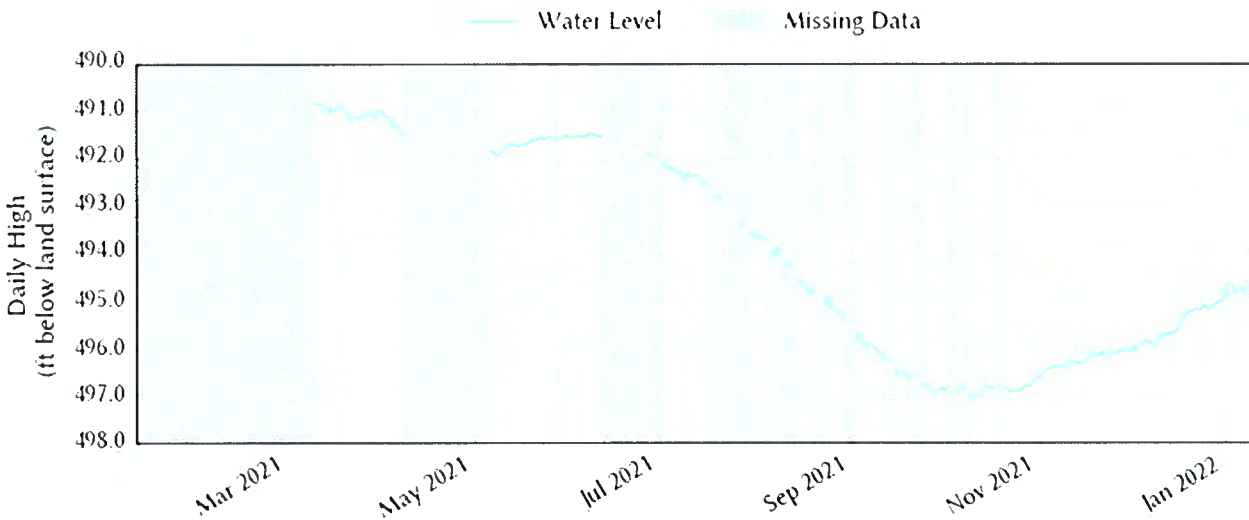


Continuous Monitoring Well # 4054701
(Temple - Cearley Well)
Lower Trinity Aquifer

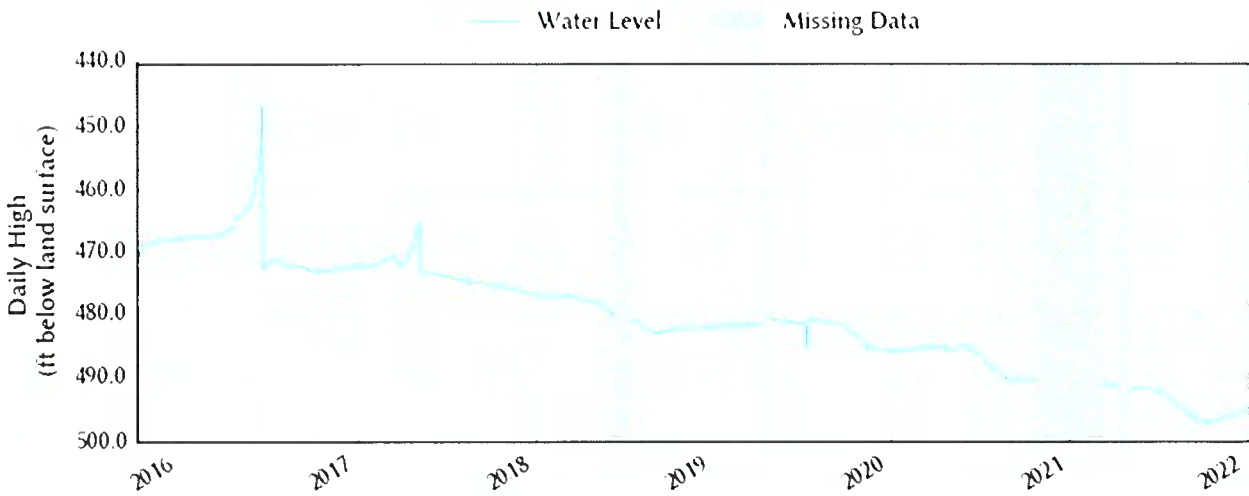
Last 30 Days



1 Year

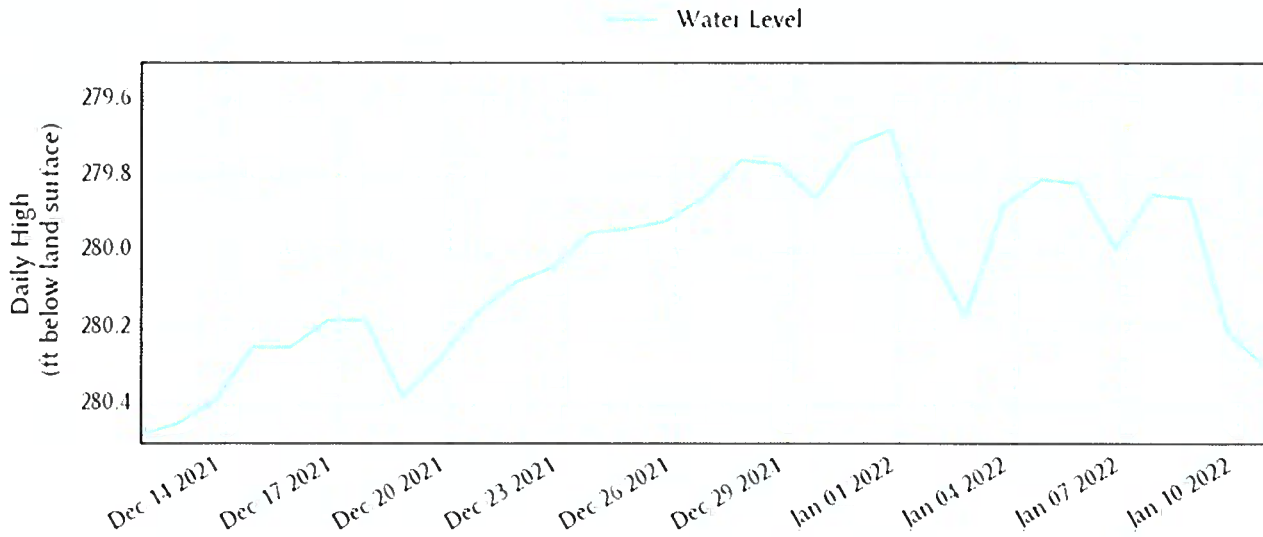


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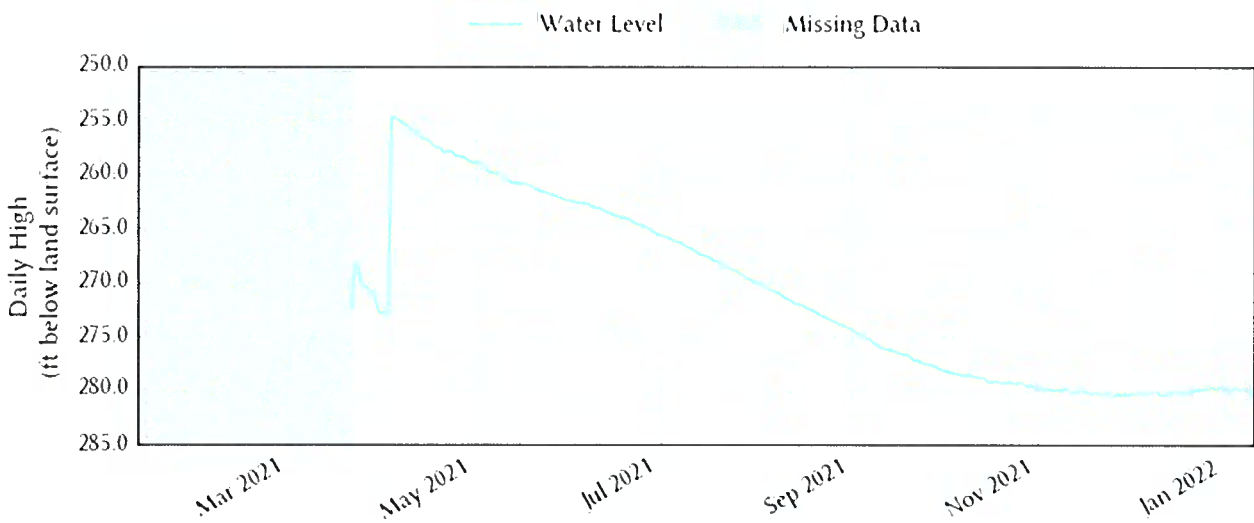


Continuous Monitoring Well # 4061509
(Temple - Pea Ridge Well)
Lower Trinity Aquifer

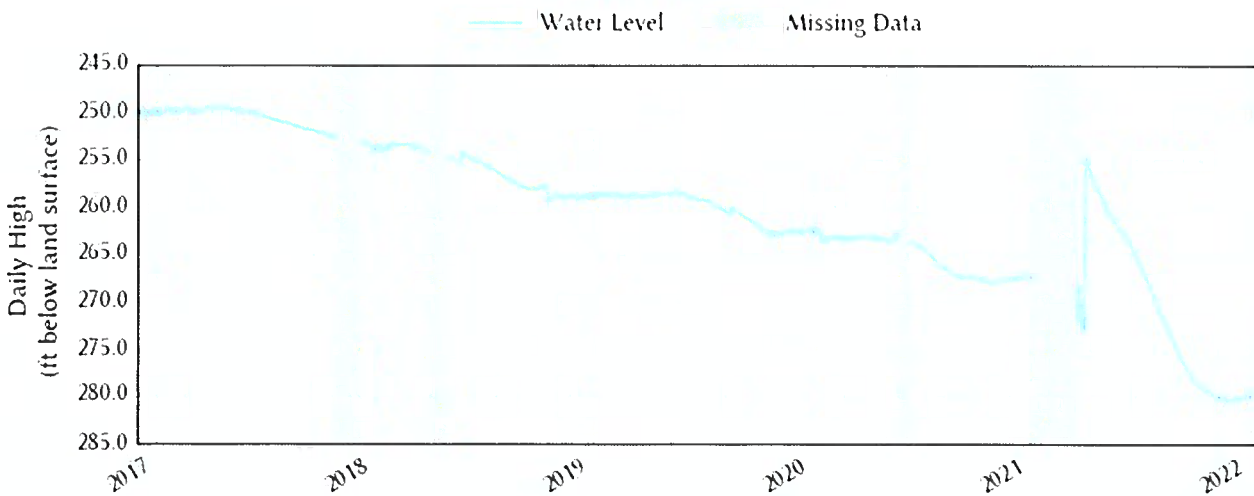
Last 30 Days



1 Year



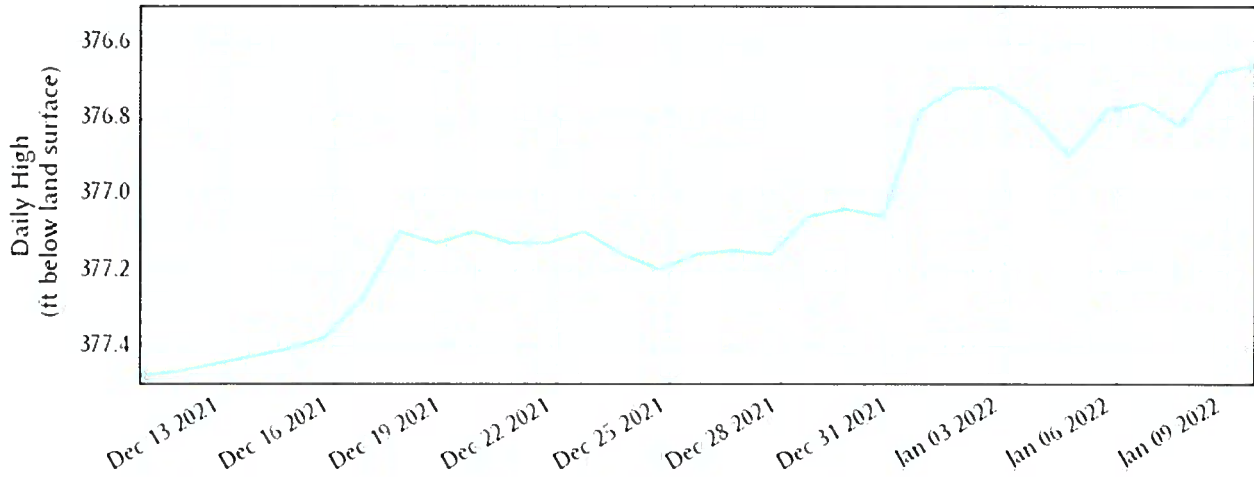
Period Of Record



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

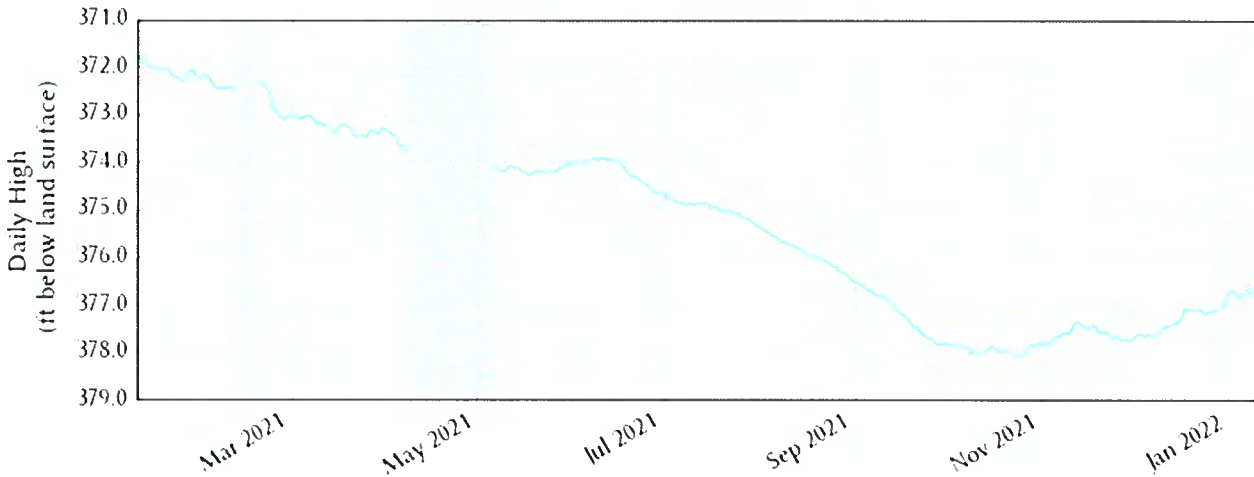
Last 30 Days

Water Level



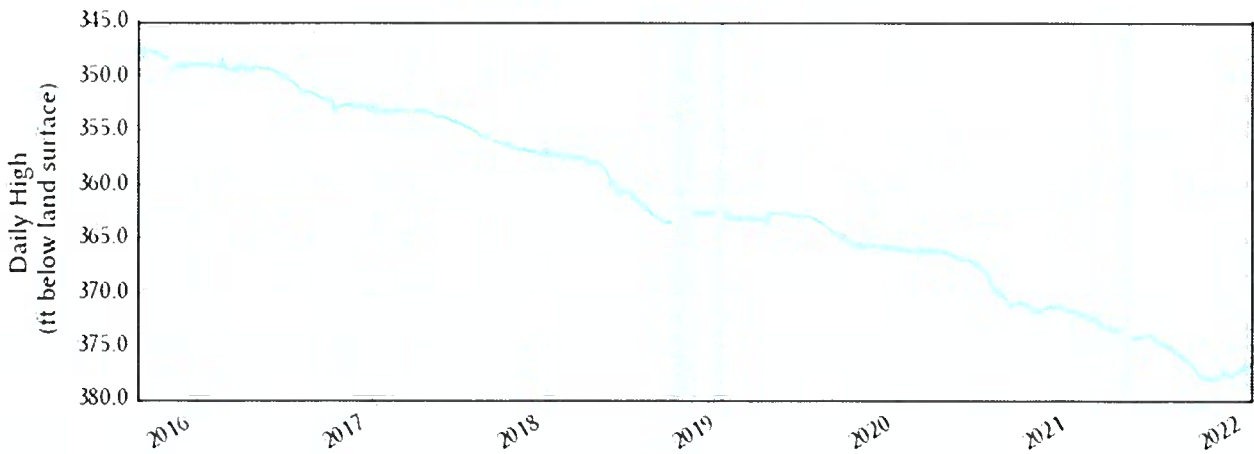
1 Year

Water Level Missing Data

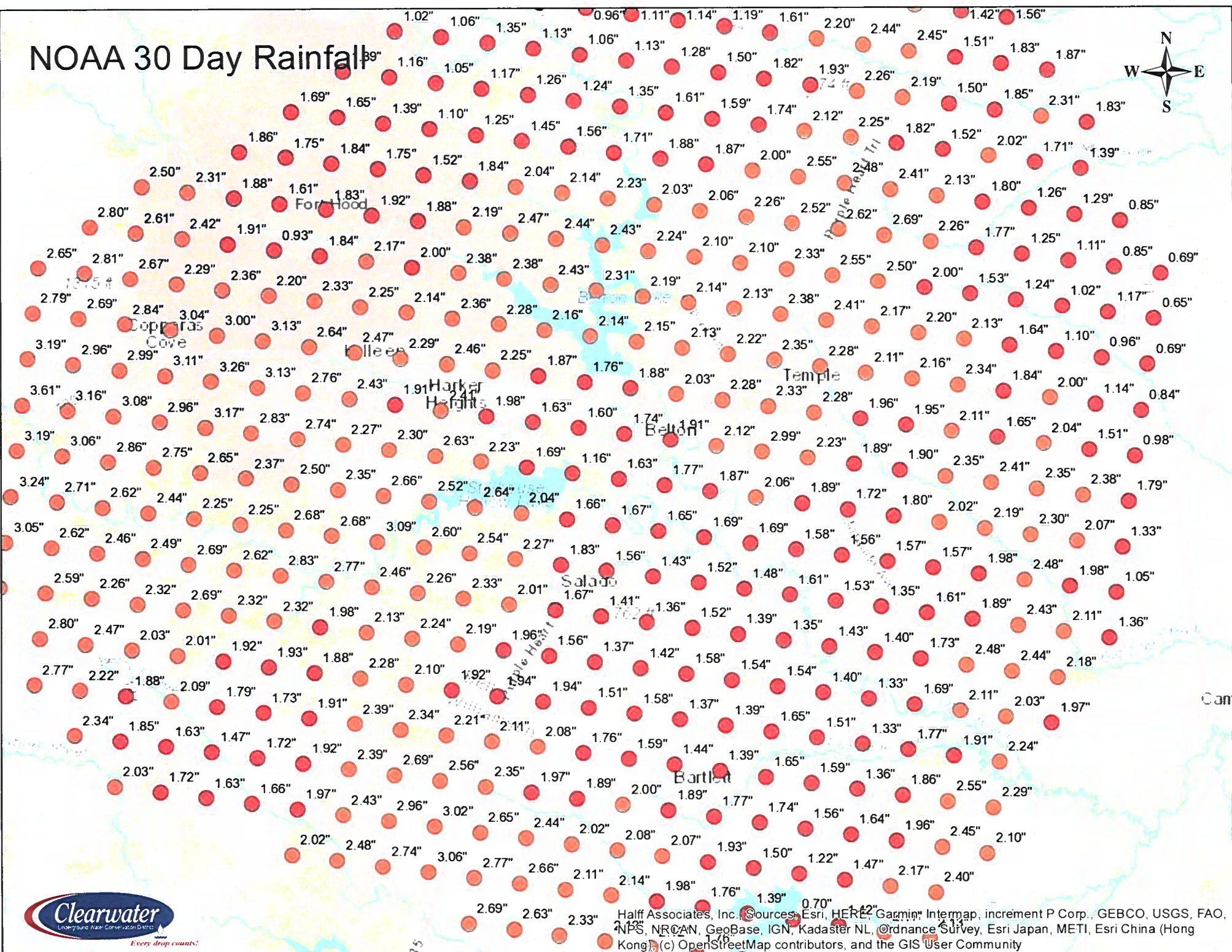


Period Of Record

Water Level Missing Data

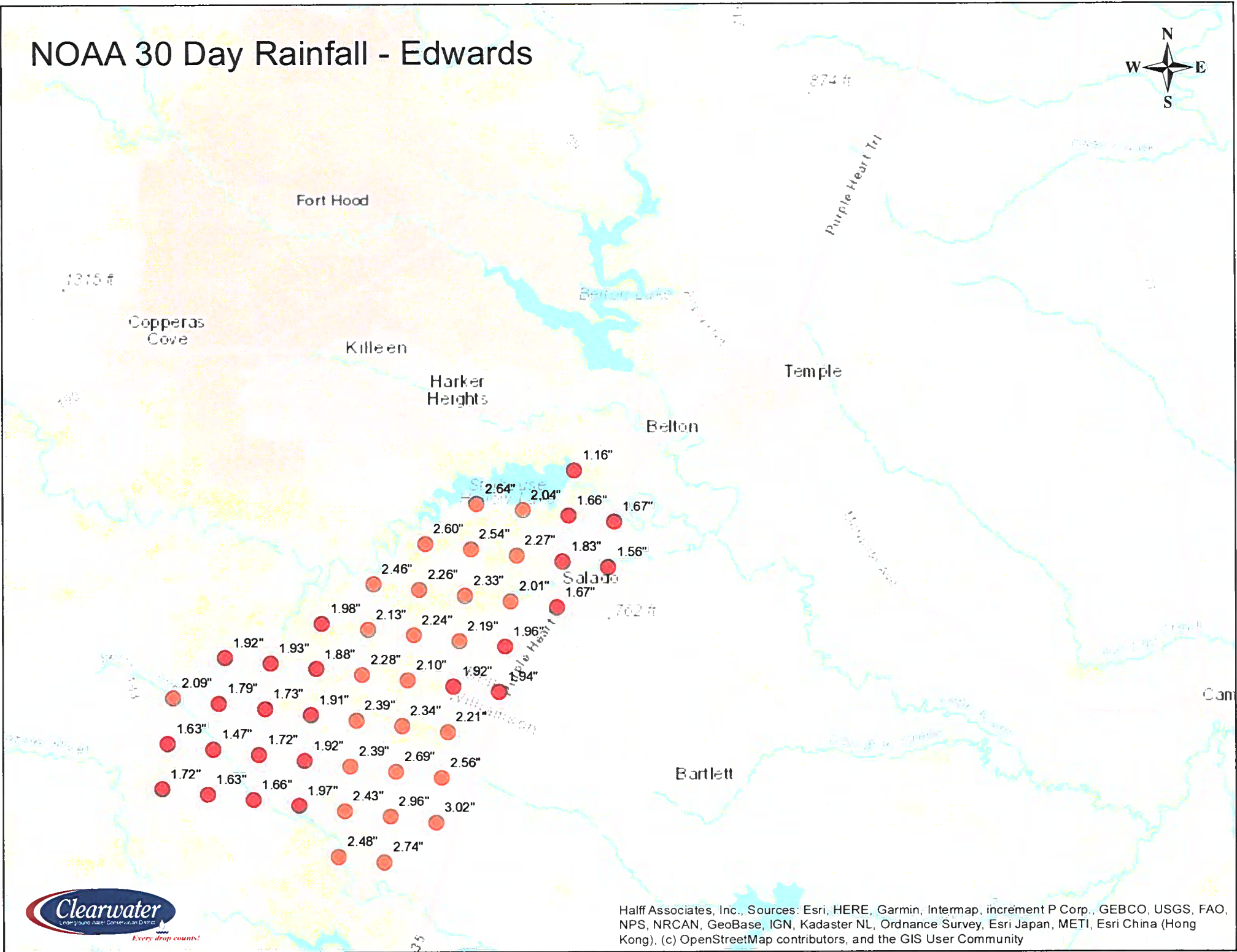


NOAA 30 Day Rainfall



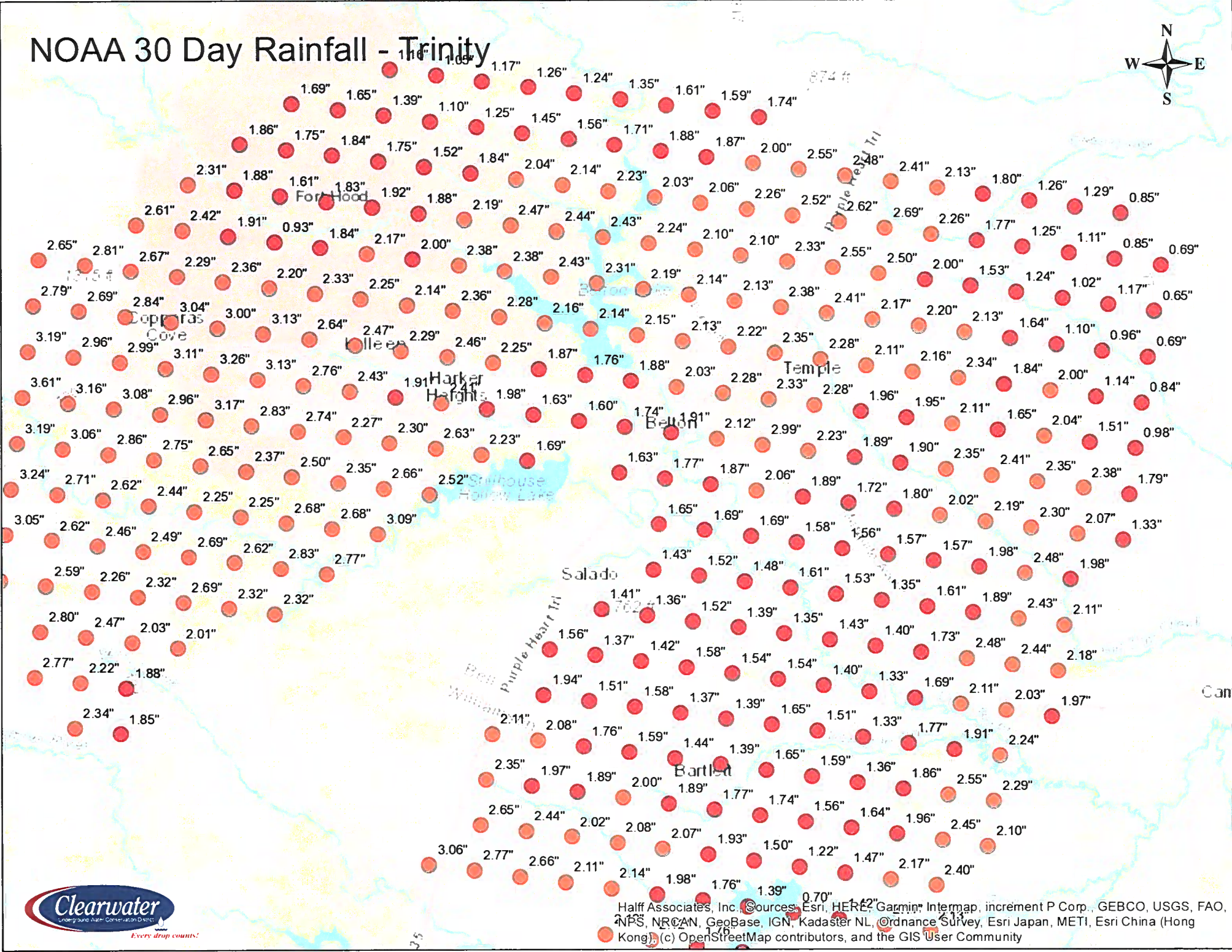
Half Associates, Inc. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Edwards



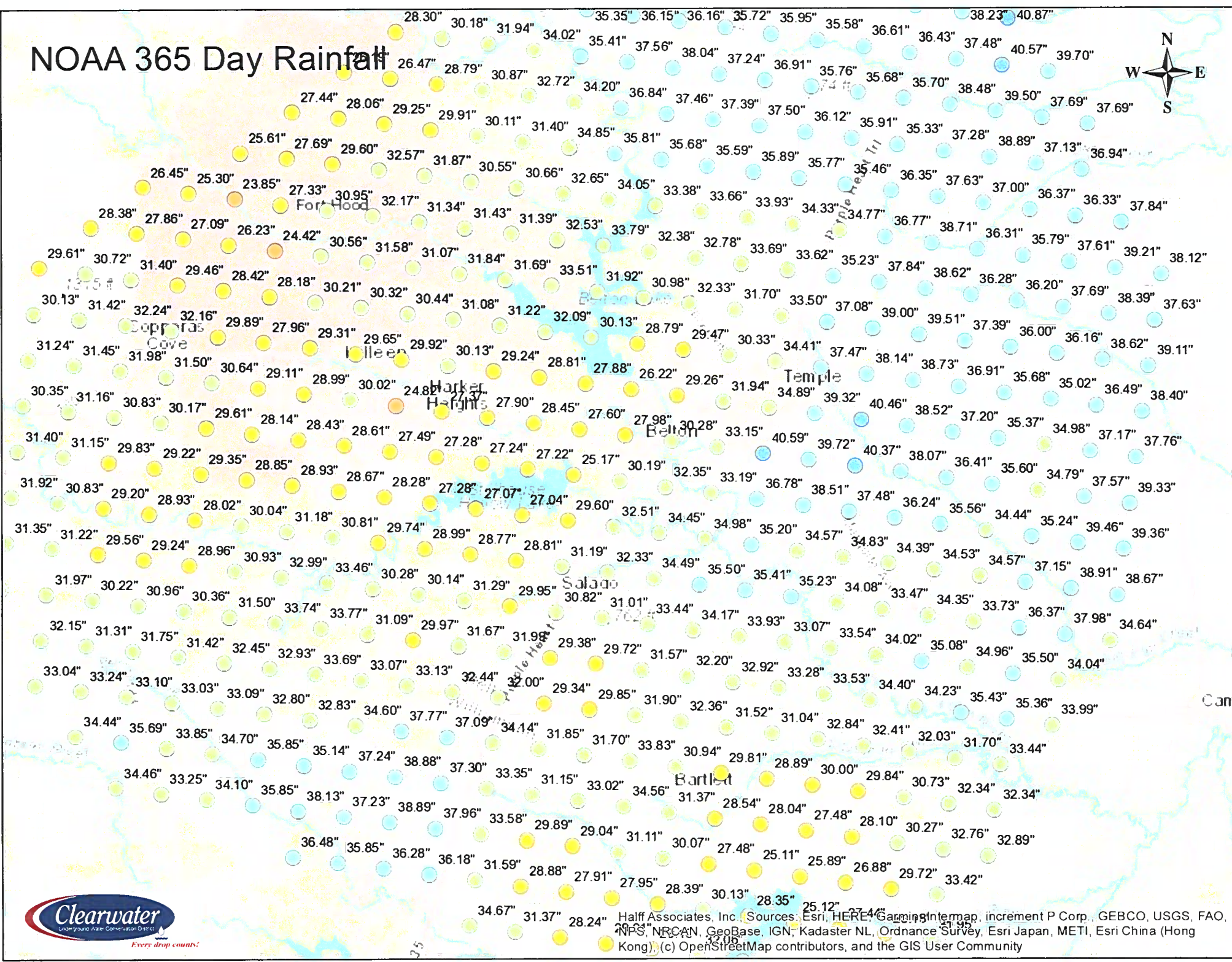
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Trinity



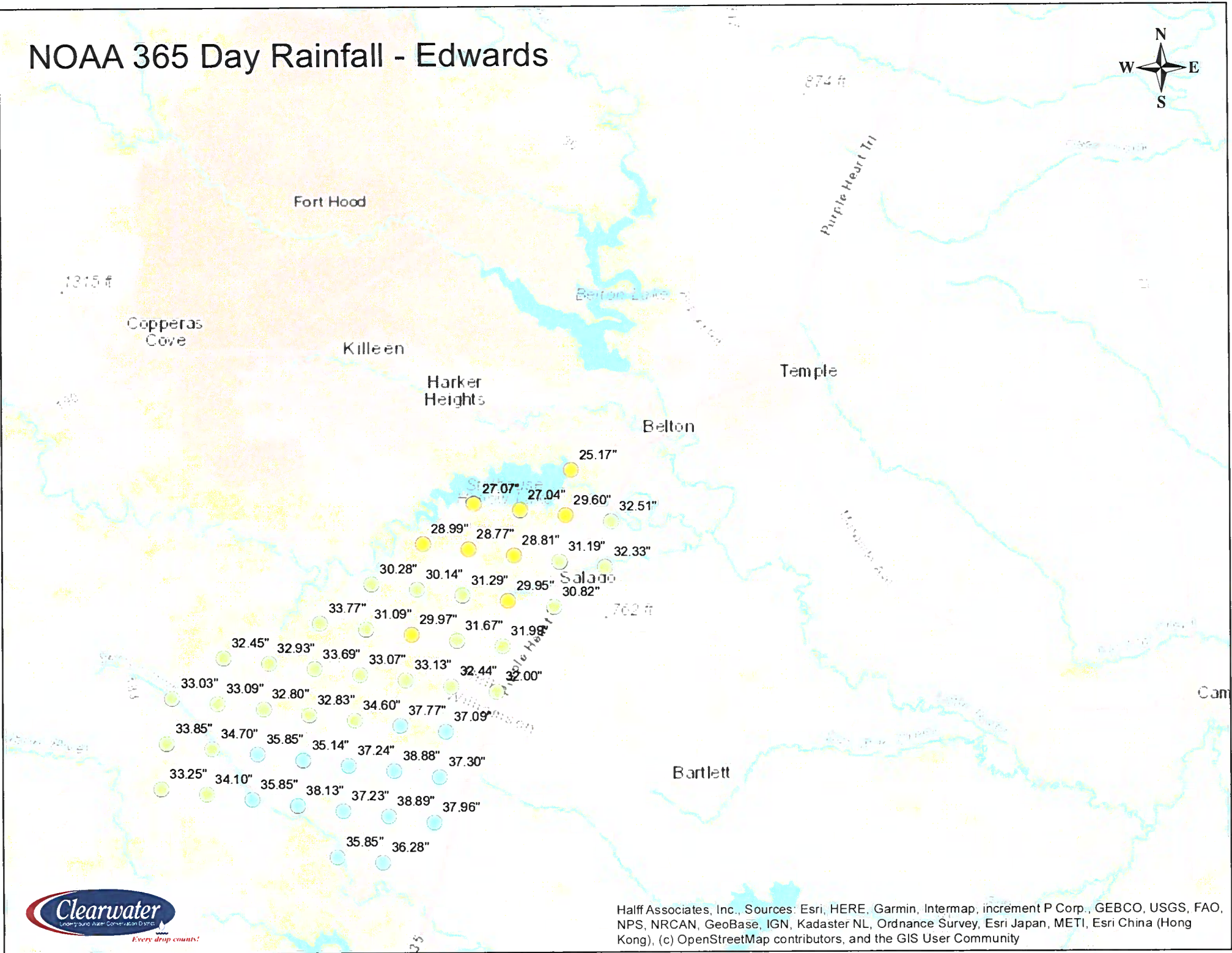
Half Associates, Inc. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall



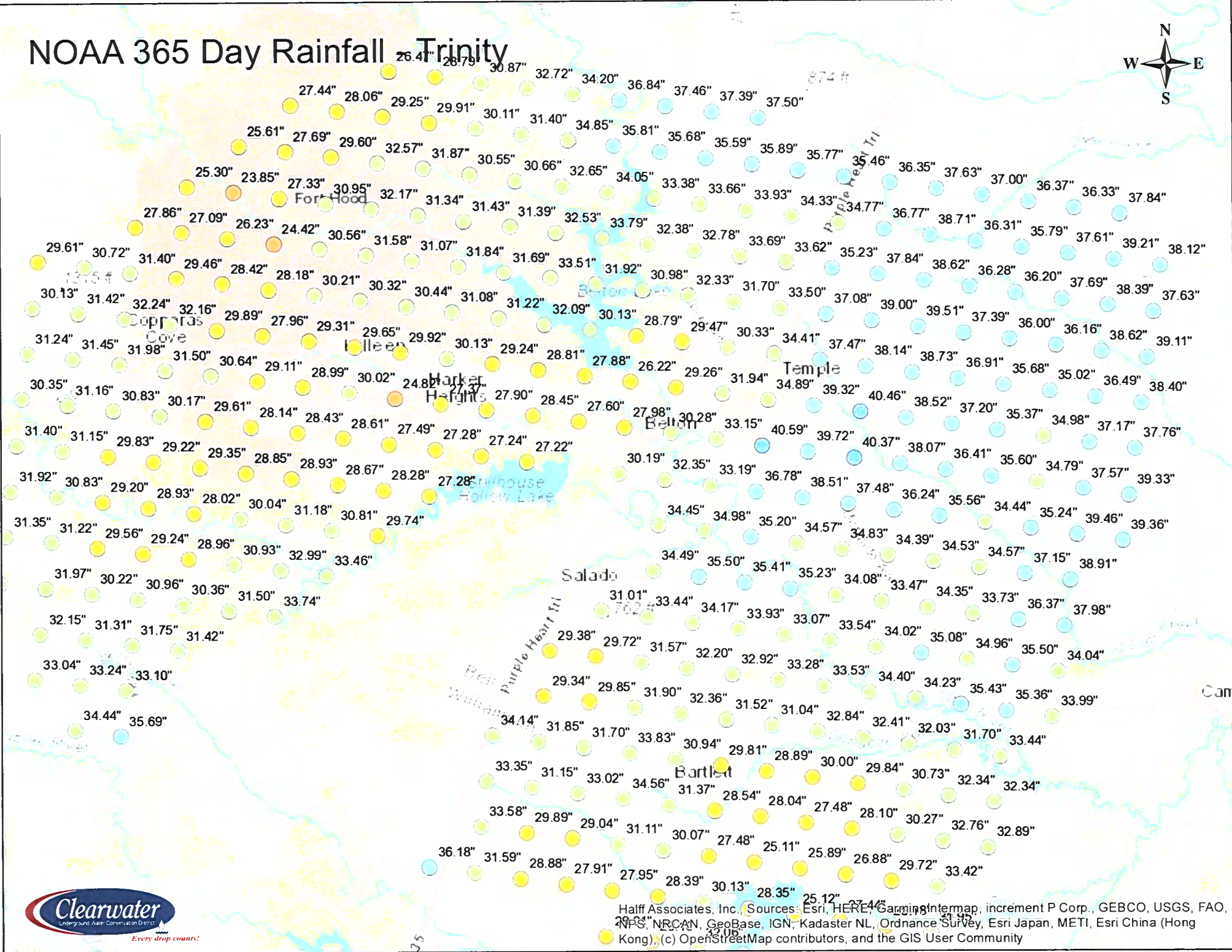
Half Associates, Inc. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall - 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

Well Registration Totals - December 2021

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	0	0	0	0	0	0	0
Sep	1	3	0	1	0	0	0	5
Oct	1	9	0	0	1	0	0	11
Nov	1	4	0	0	0	0	0	5
Dec	0	7	0	1	2	0	0	10
Total 2021	22	70	1	5	9	0	0	107
Totals	4446	1134	106	41	70	26	121	5944

Adjustments

Adjustment Type	Exempt Wells		Non-Exempt Wells			Monitor Wells		Total
	Grandfathered	New	Grandfathered	Class 1	Class 2	Water	Envr	
2002-Present	4446	1134	106	41	70	26	121	5944
Never Drilled	N/A	-27	N/A	-3	-4	0	-1	-35
Plugged	-203	-42	-18	-2	-1	-2	-53	-321
Totals	4243	1065	88	36	65	24	67	5588