



Clearwater Underground Water Conservation District

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Clearwater Staff Reports

January 13, 2021

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

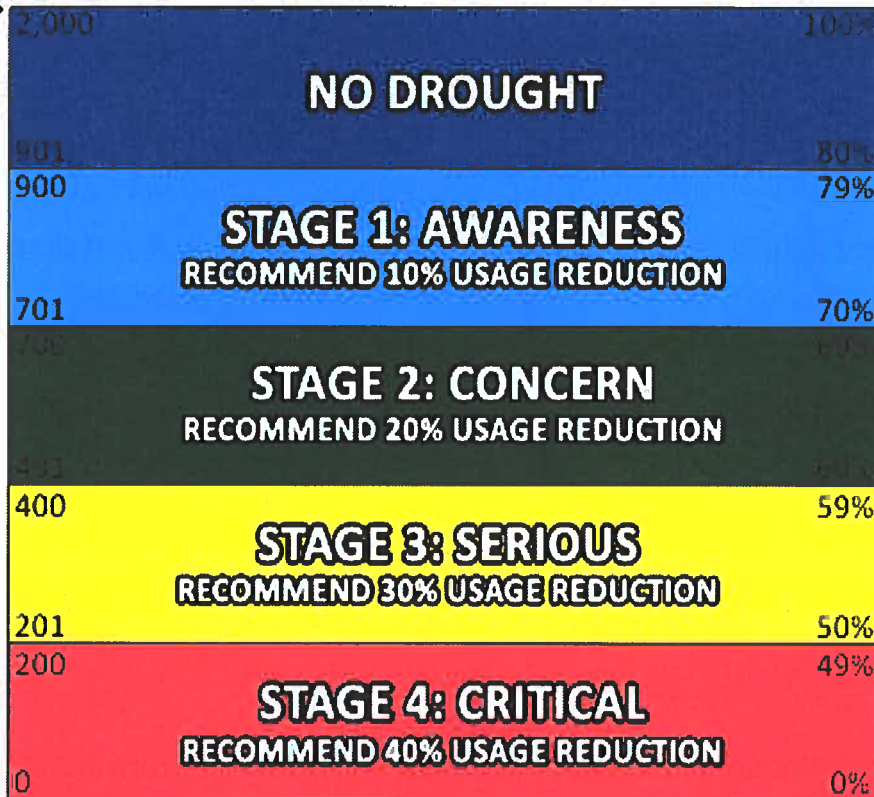
Edwards BFZ Aquifer—Drought Status Report

NO DROUGHT

2304.00 ac-ft
(month)
38.72 cfs

Salado Creek
Spring Discharge

AS OF 1/01/2021

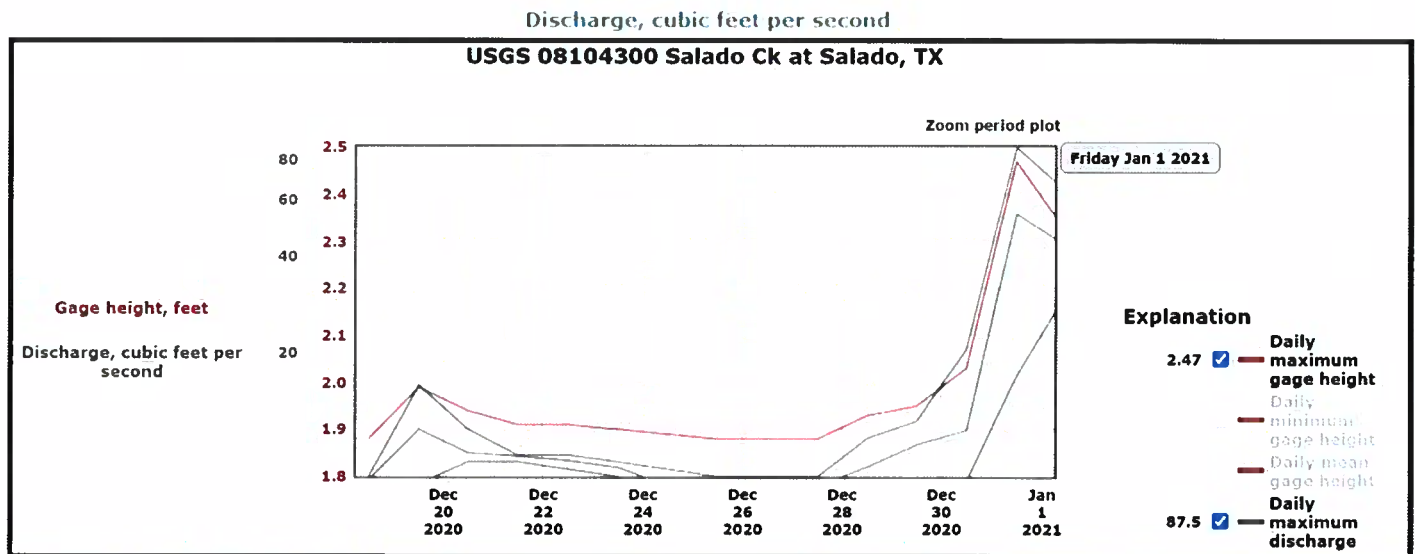


31.051 PDI
94.09 %

Precipitation Deficit Index (PDI)

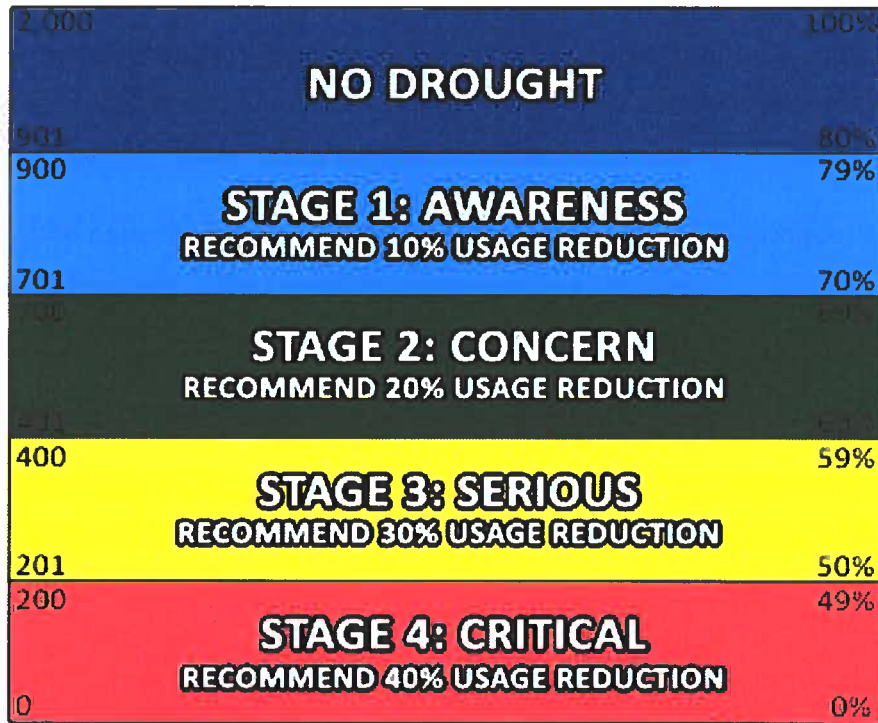
PDI is based on a 33" normal yearly average and is a 365 day running total.

USGS 08104300 Salado Ck at Salado, TX



Trinity Aquifer—Drought Status Report

NO DROUGHT

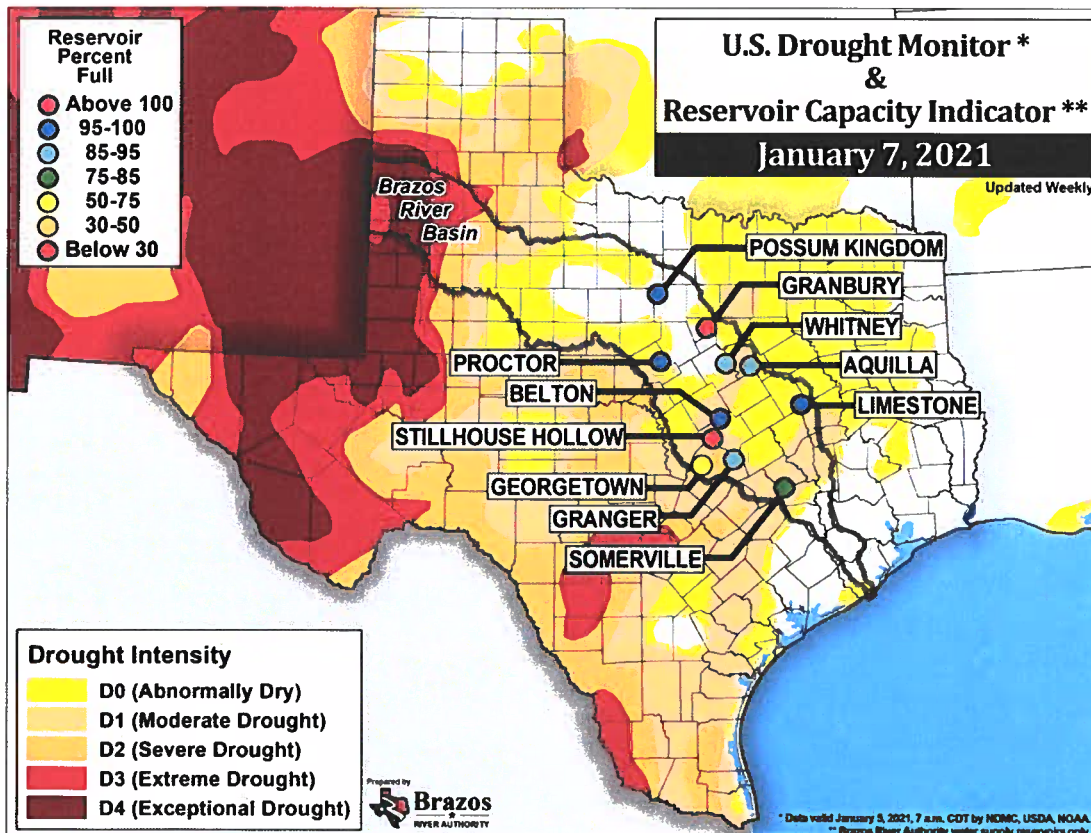


33.359 PDI
101.08 %

Precipitation Deficit Index (PDI)

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

AS OF 1/01/2021





Education Outreach Highlights 1/13/21

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).

- 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.

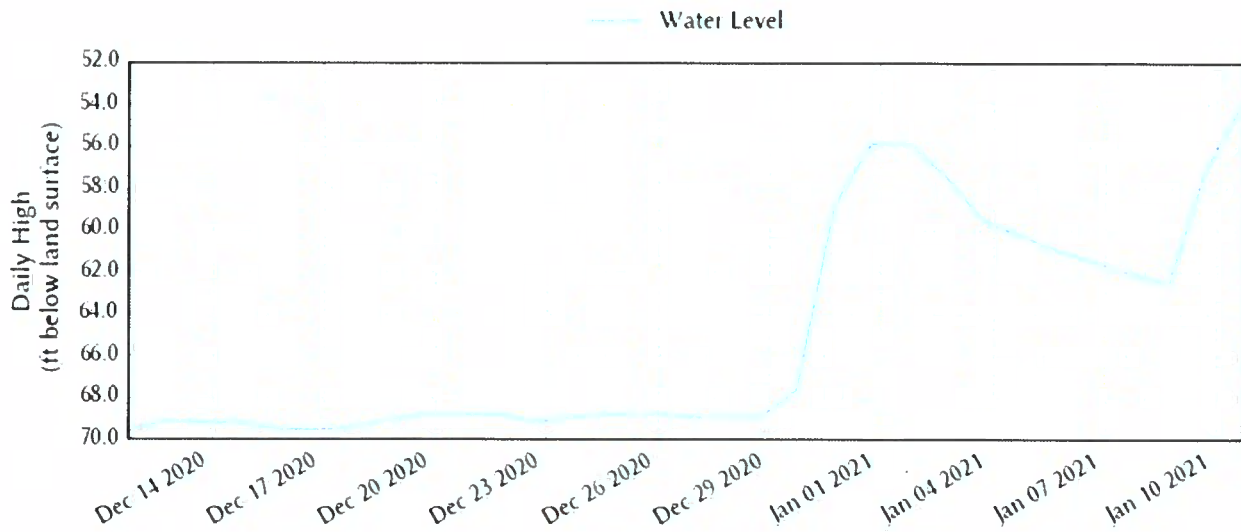
4. Improve Annual Reporting accuracy and timeliness per State mandated Legislation and Management Plan. Goals and objectives in the Management Plan (A:1,2,3,4; B; C; D; E; F; g pages 22-26).

- Staff is compiling information for the 2020 Annual Report.
- The Annual Water Symposium has been postponed due to COVID-19.
- The Annual Newsletter was mailed on January 4, 2020.

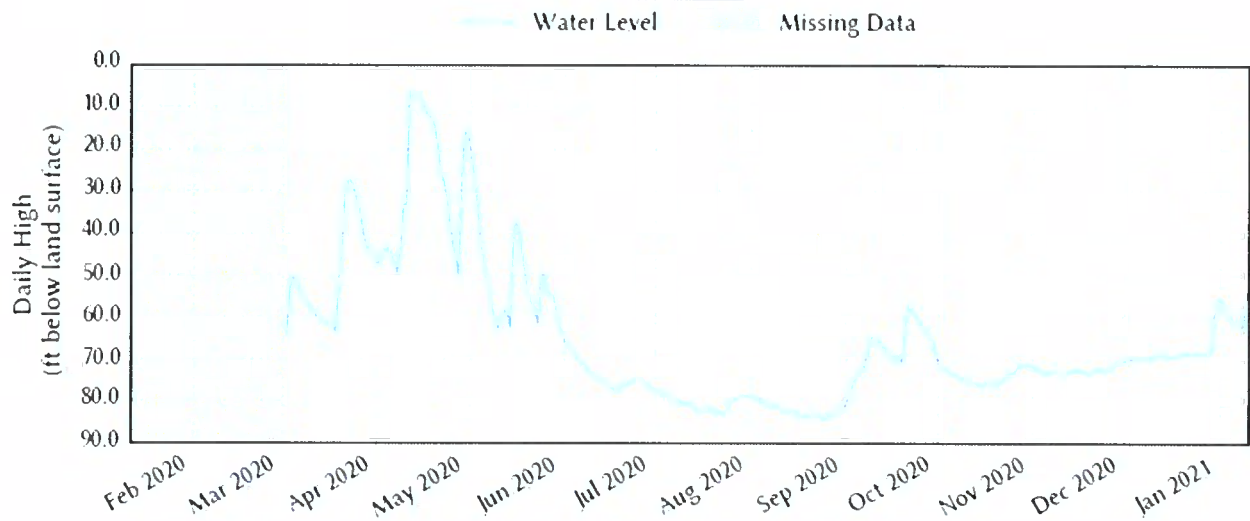
December 2020

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

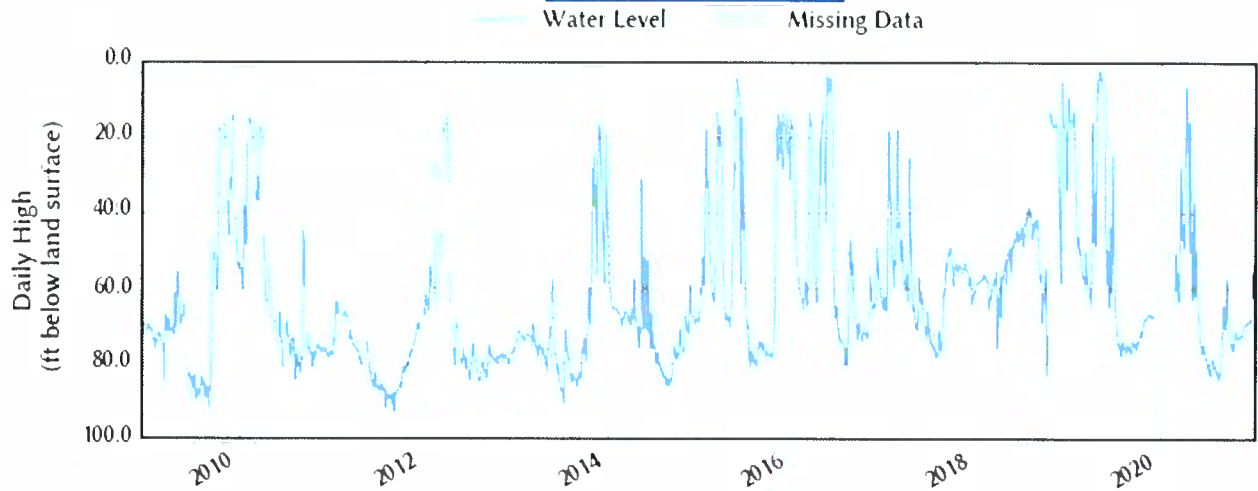
Last 30 Days



1 Year



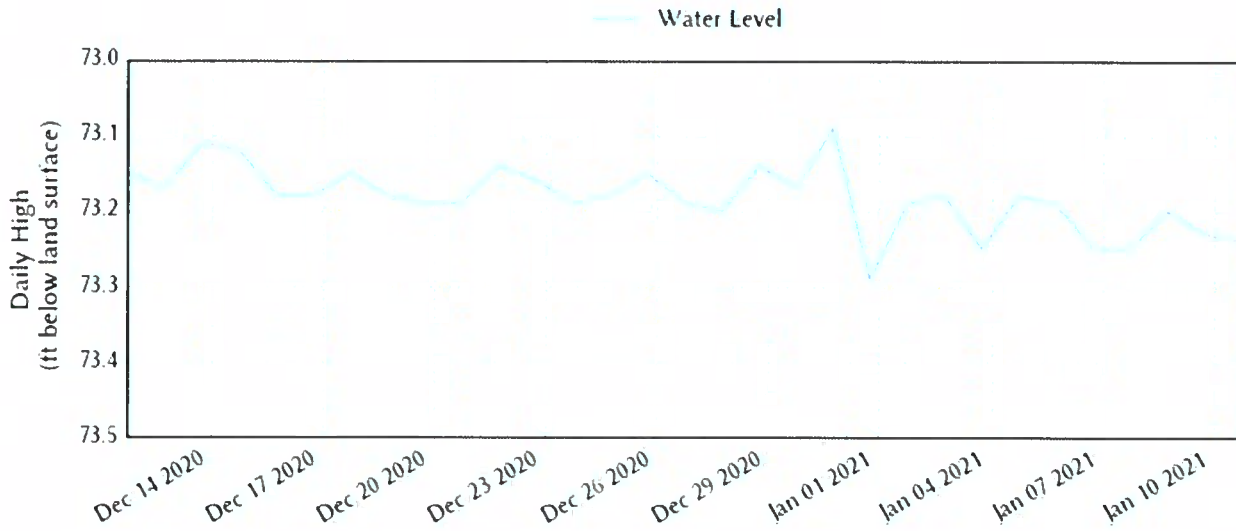
Period Of Record



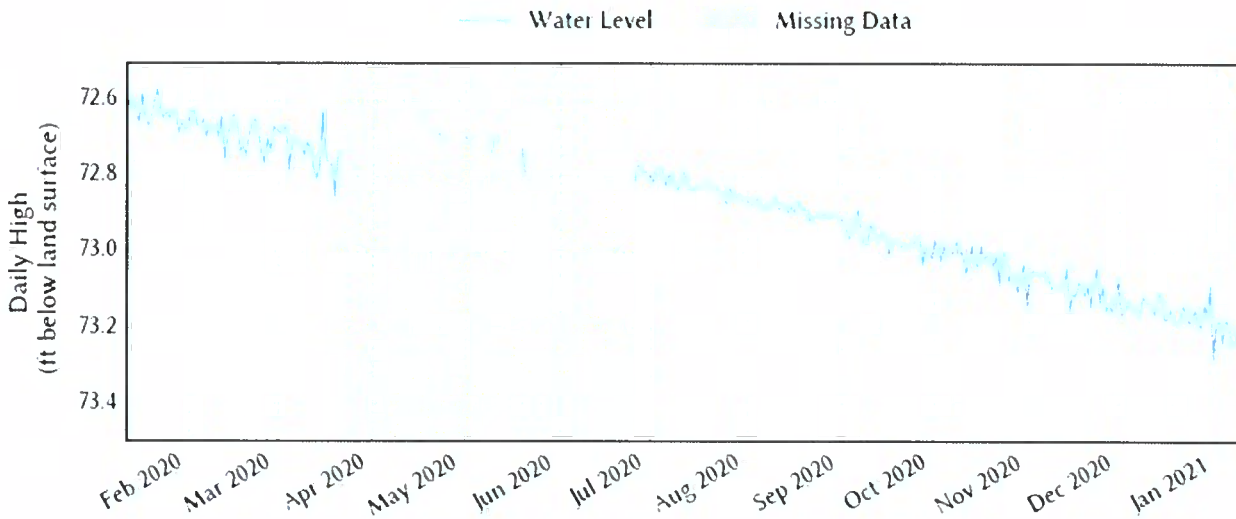
December 2020

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

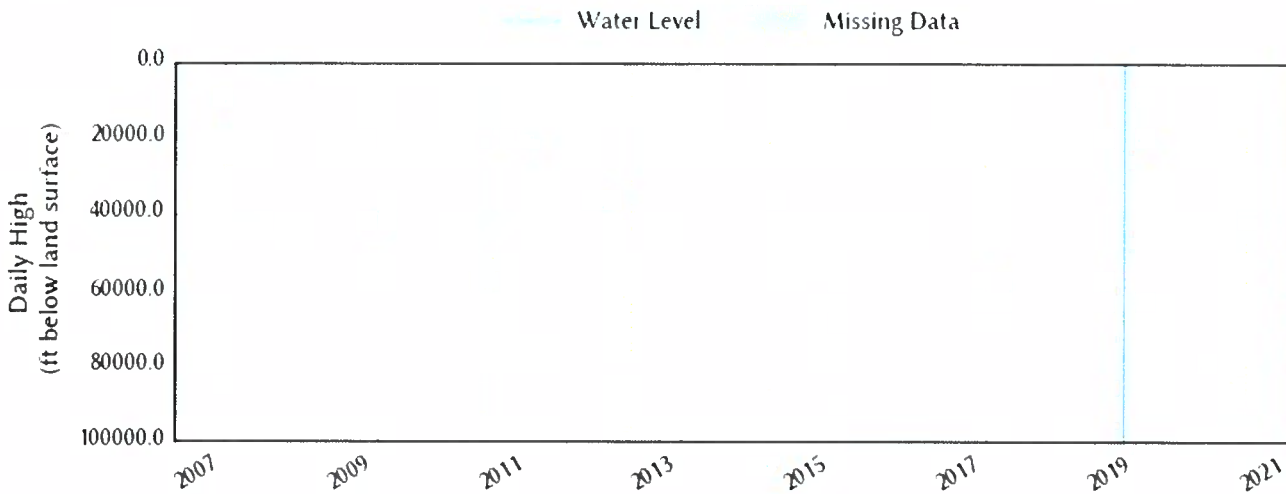
Last 30 Days



1 Year



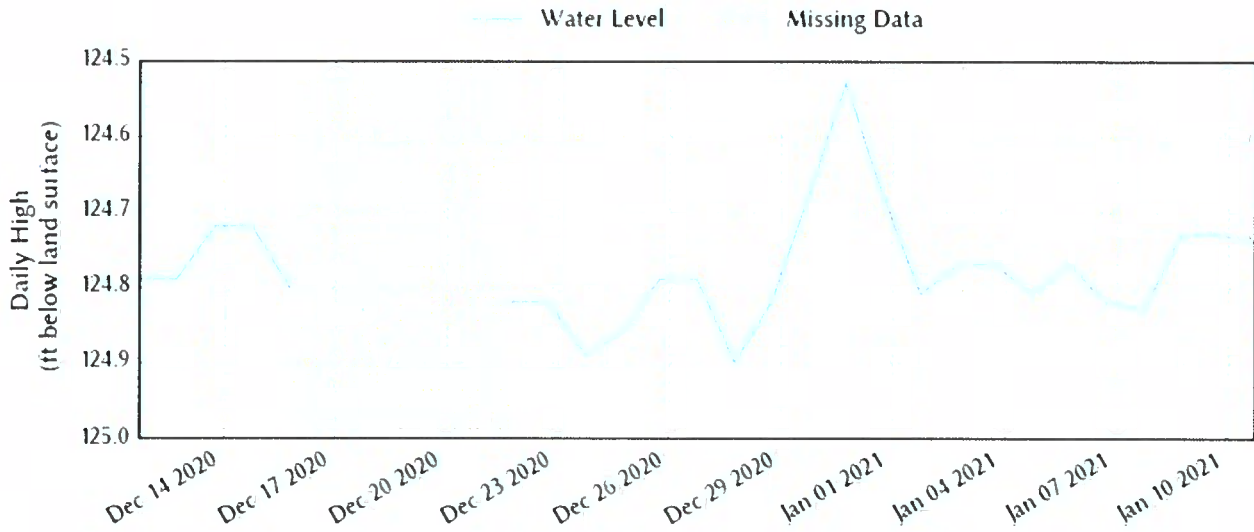
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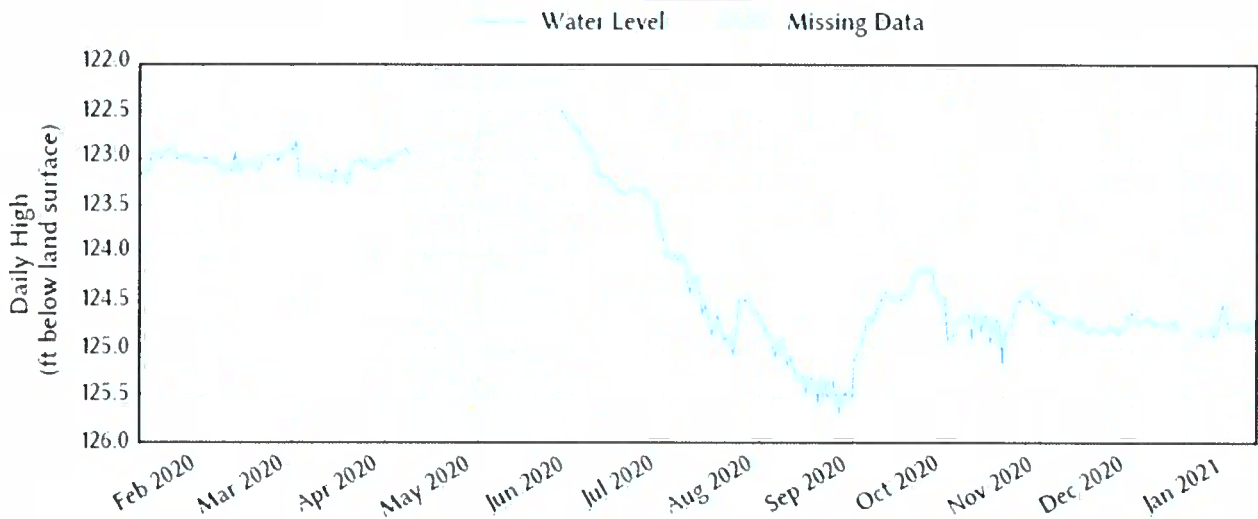
December 2020

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

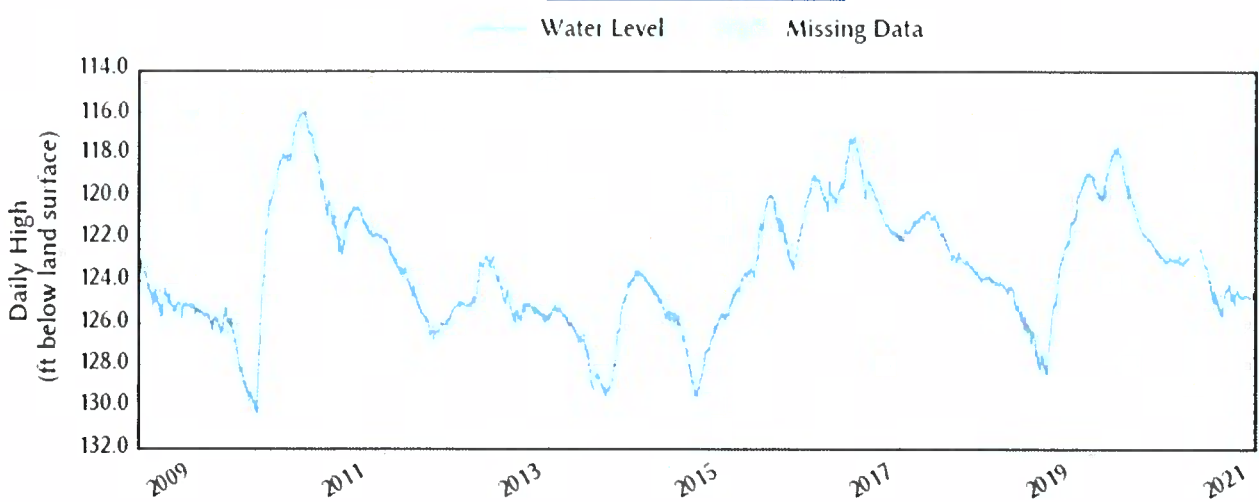
Last 30 Days



1 Year



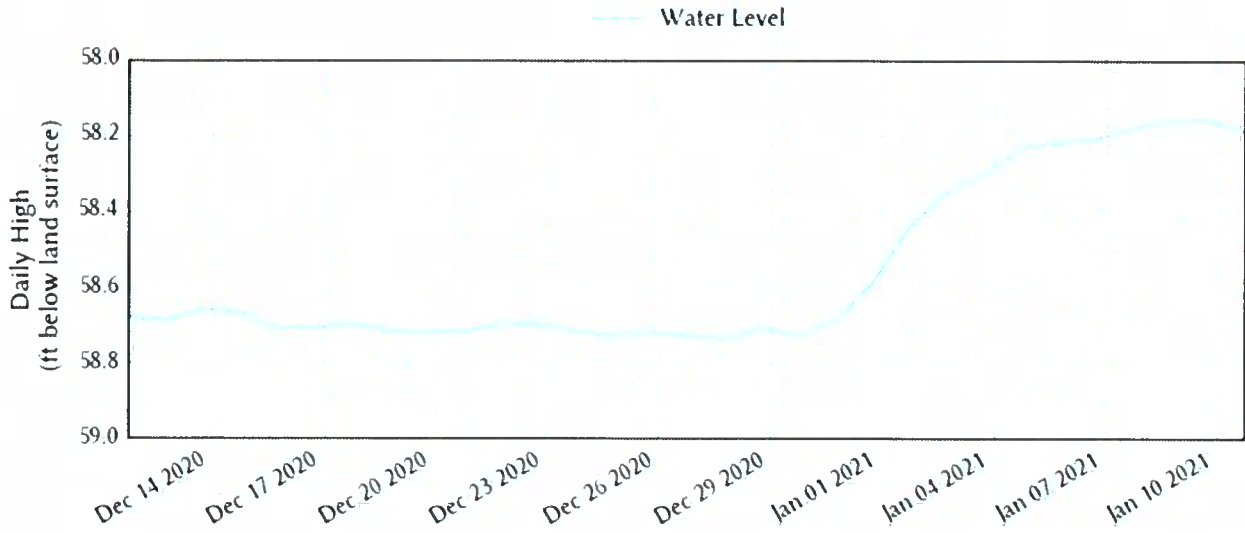
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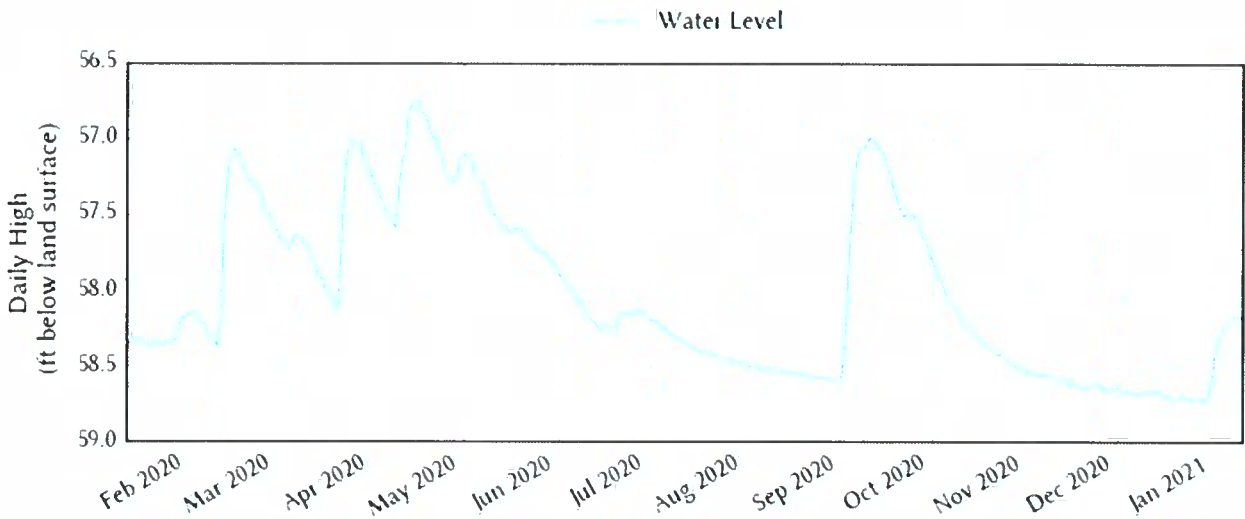
December 2020

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

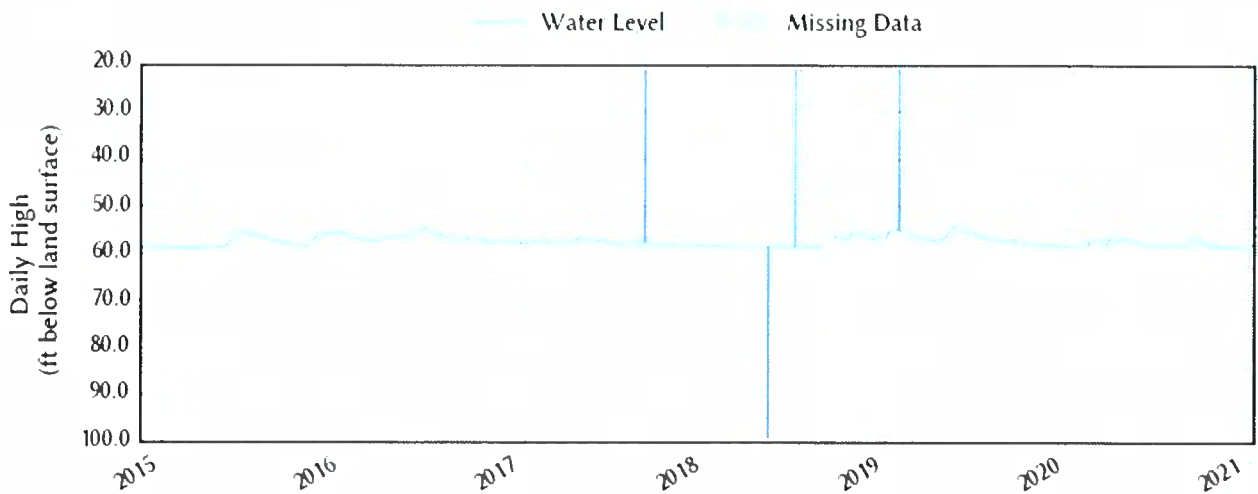
Last 30 Days



1 Year



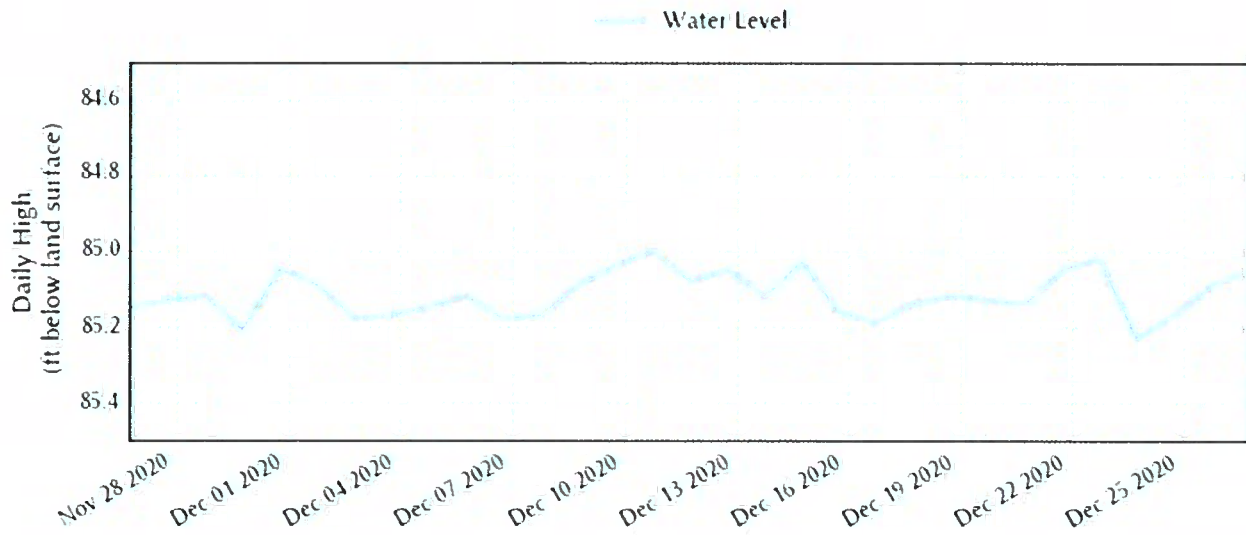
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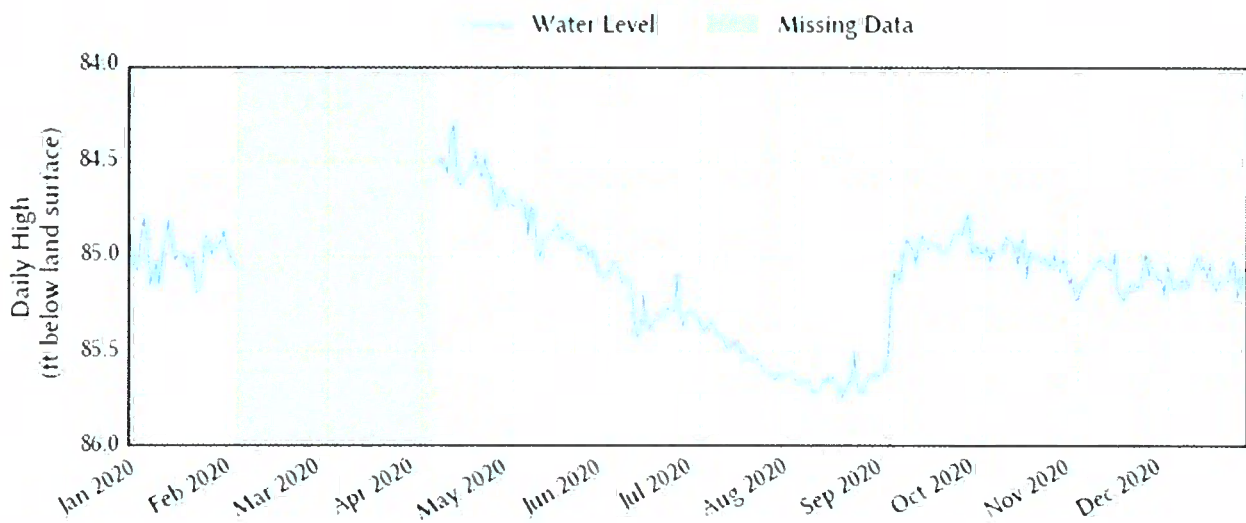
December 2020

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

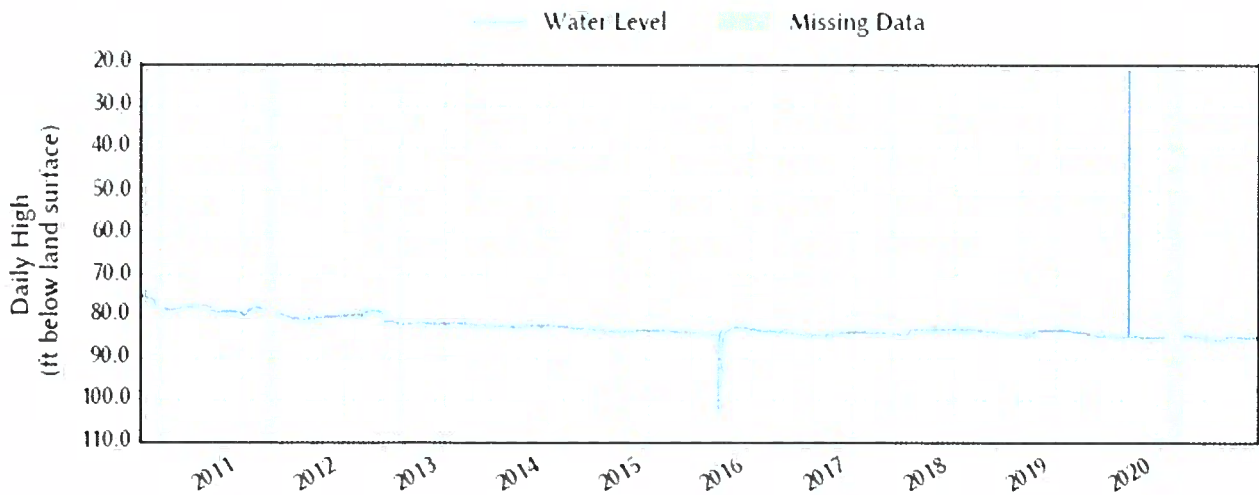
Last 30 Days



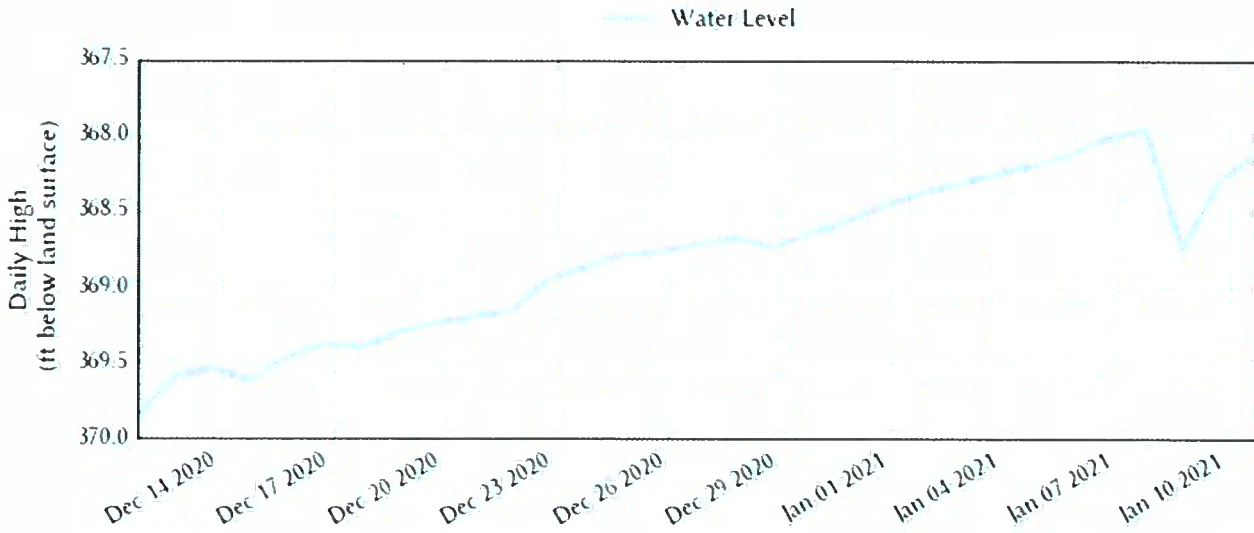
1 Year



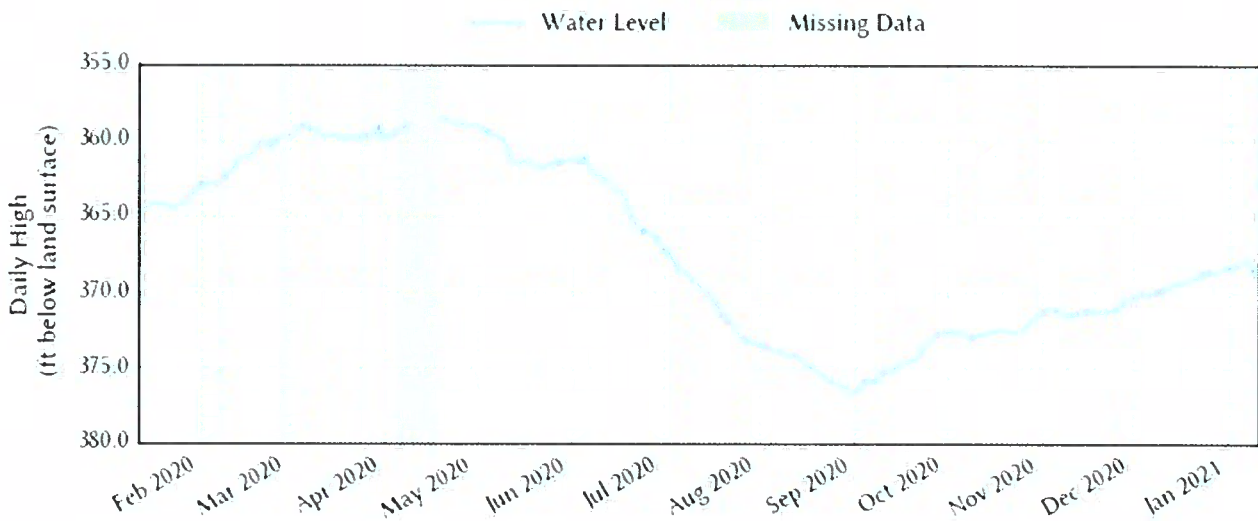
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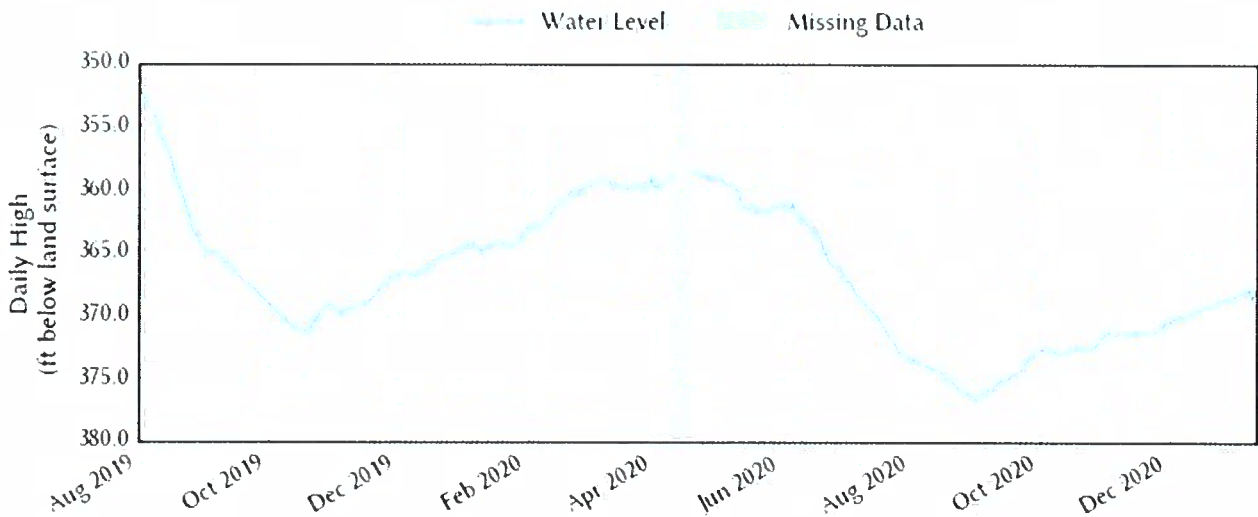
Last 30 Days



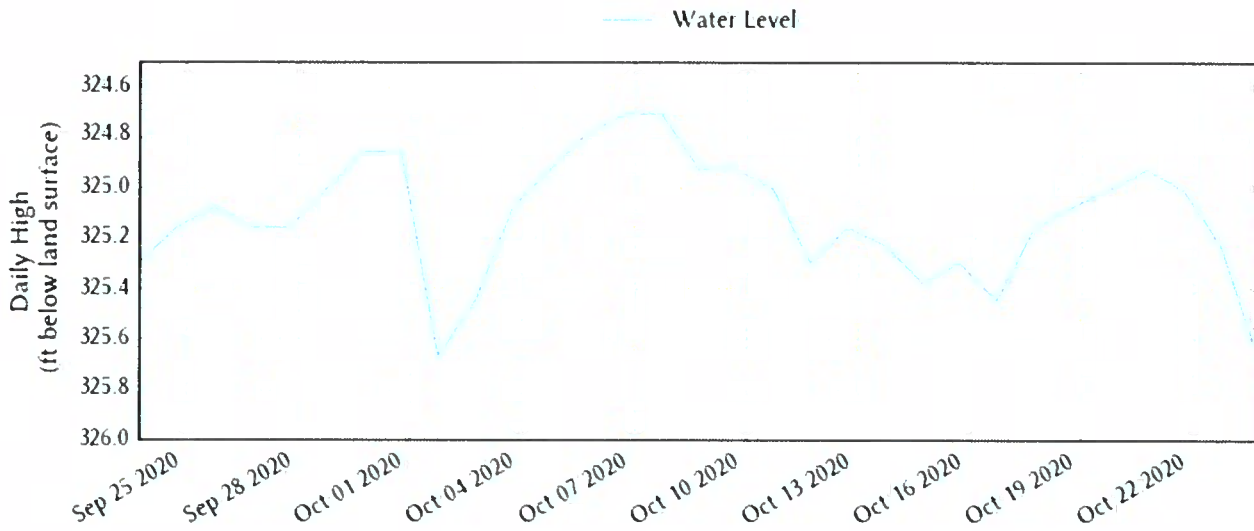
1 Year



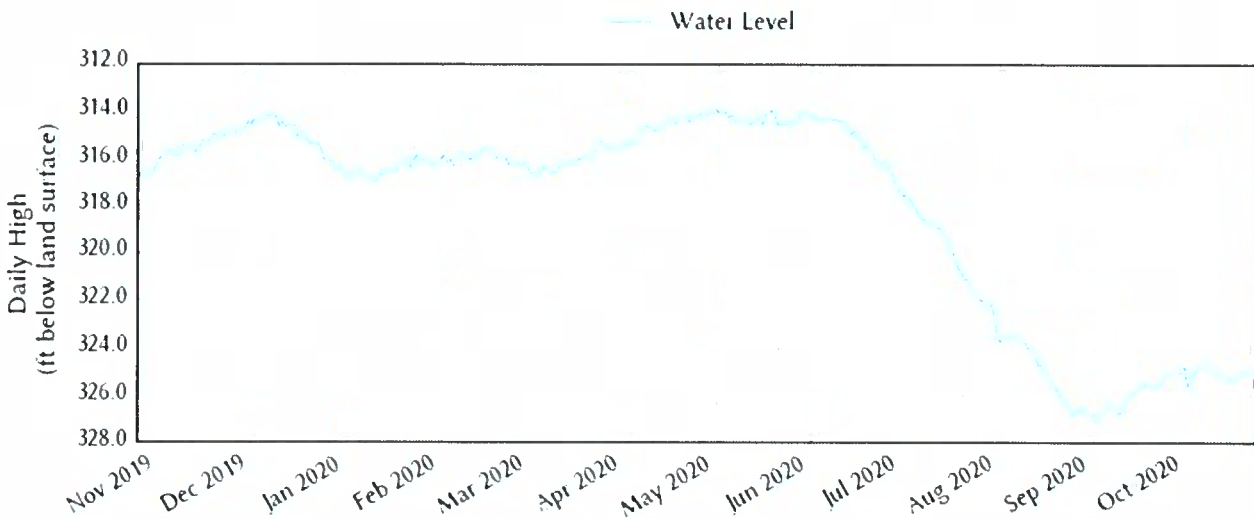
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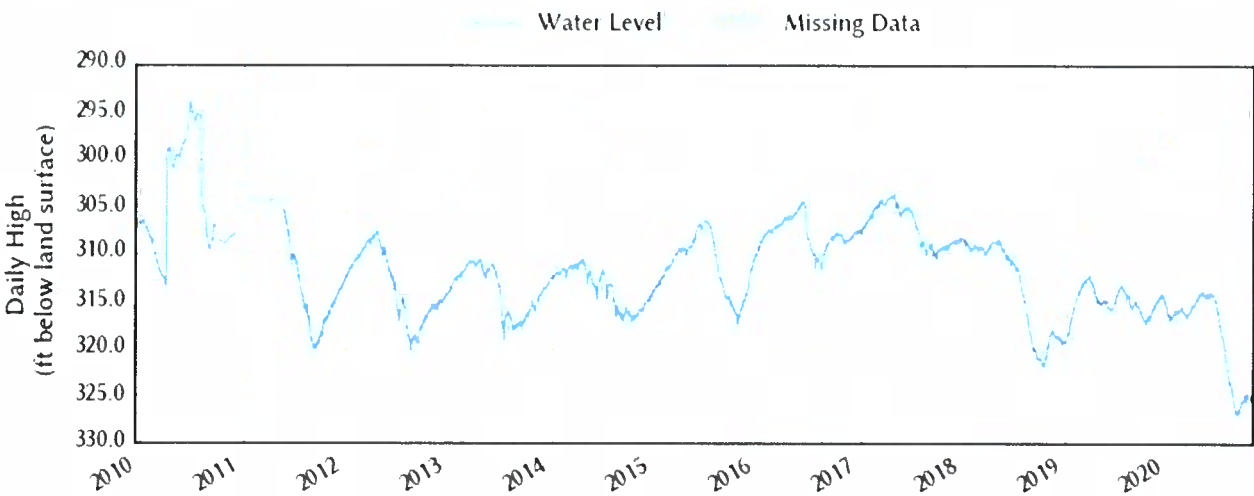
Last 30 Days



1 Year



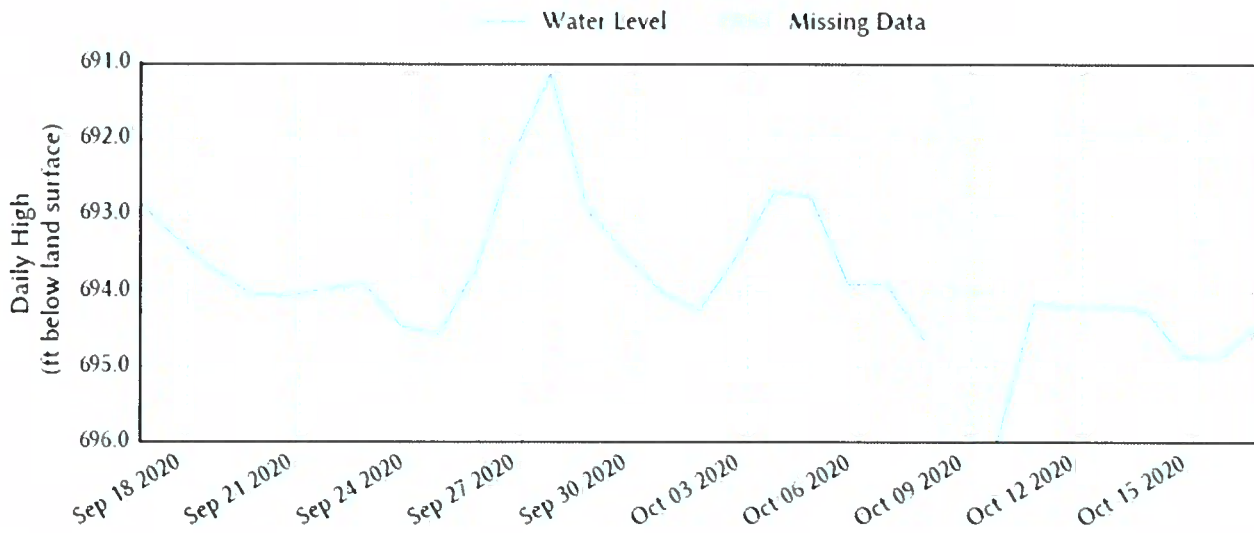
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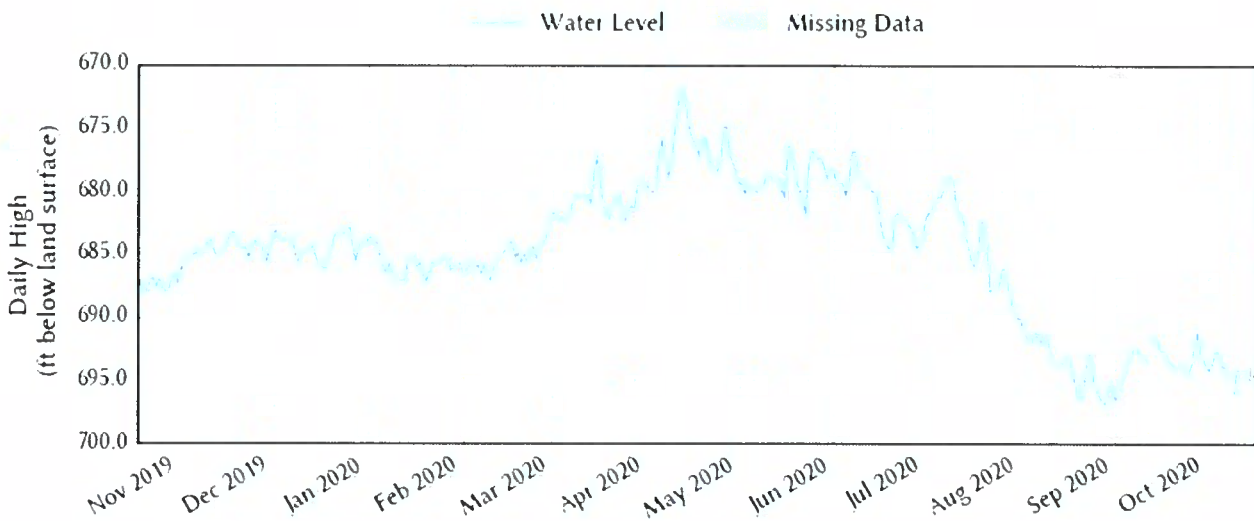
December 2020

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

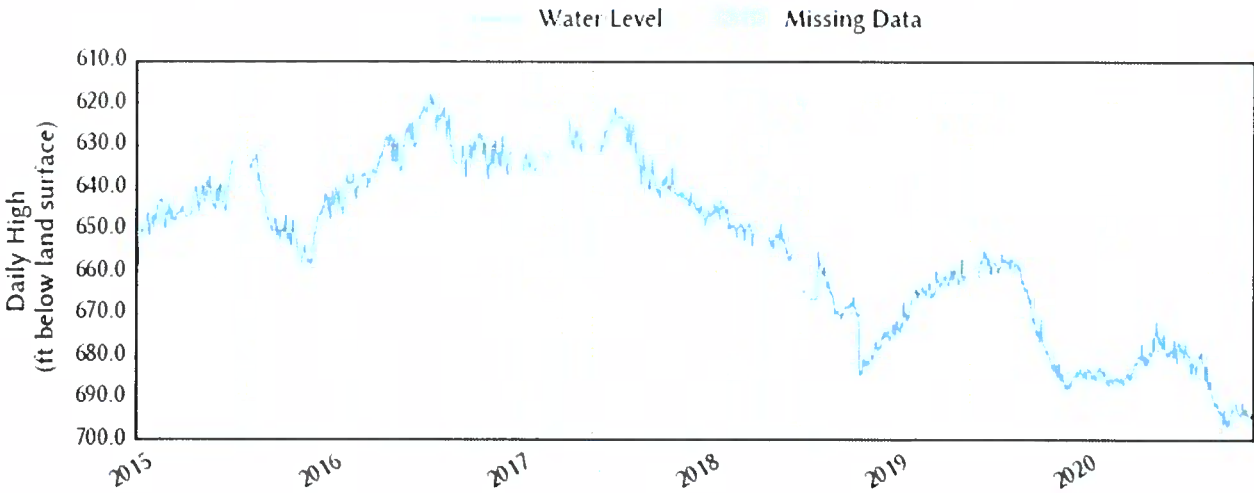
Last 30 Days



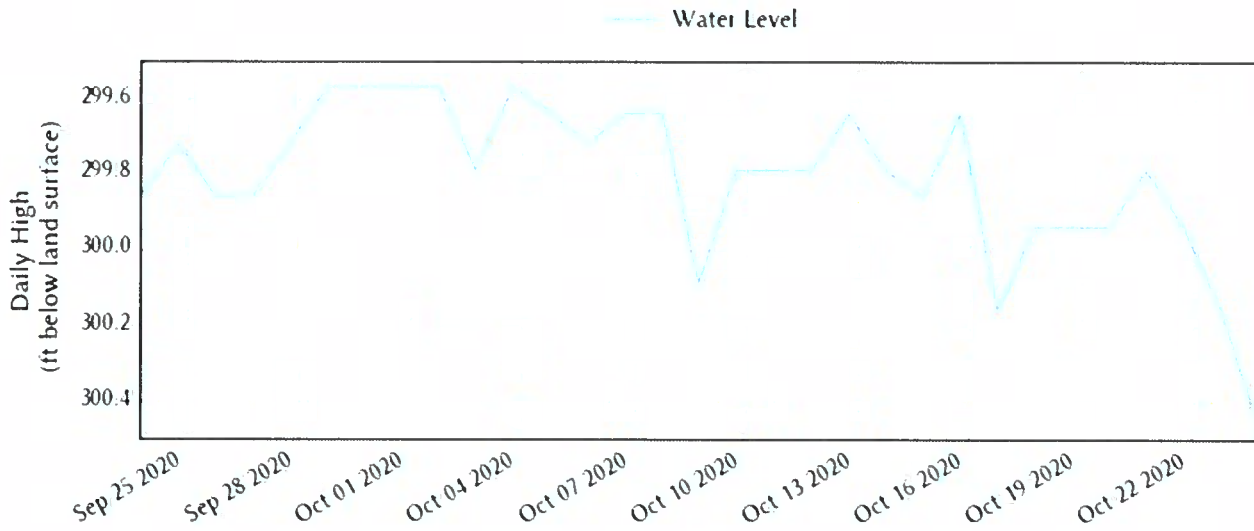
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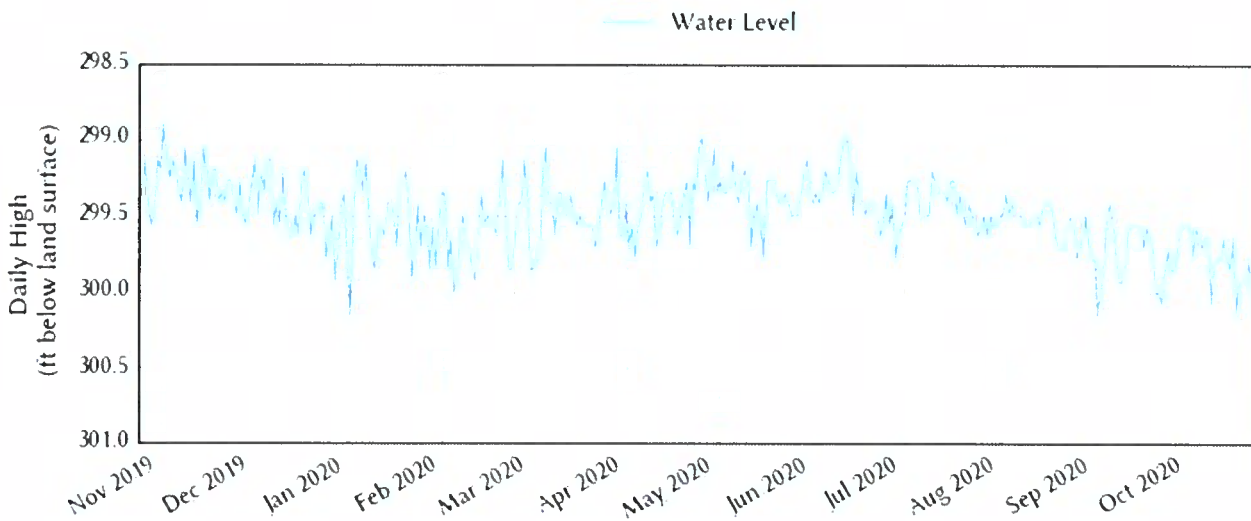
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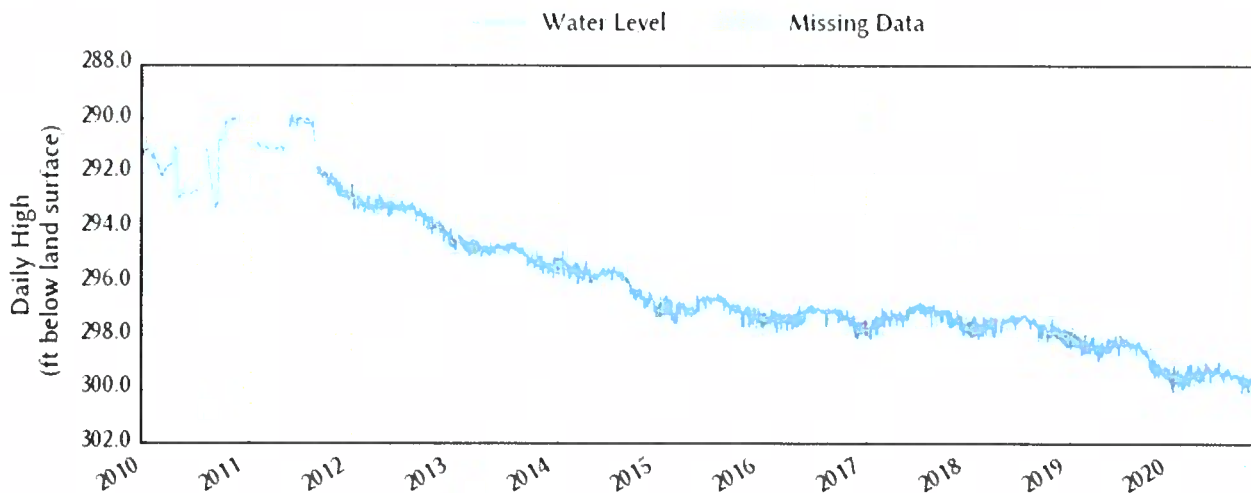
Last 30 Days



1 Year



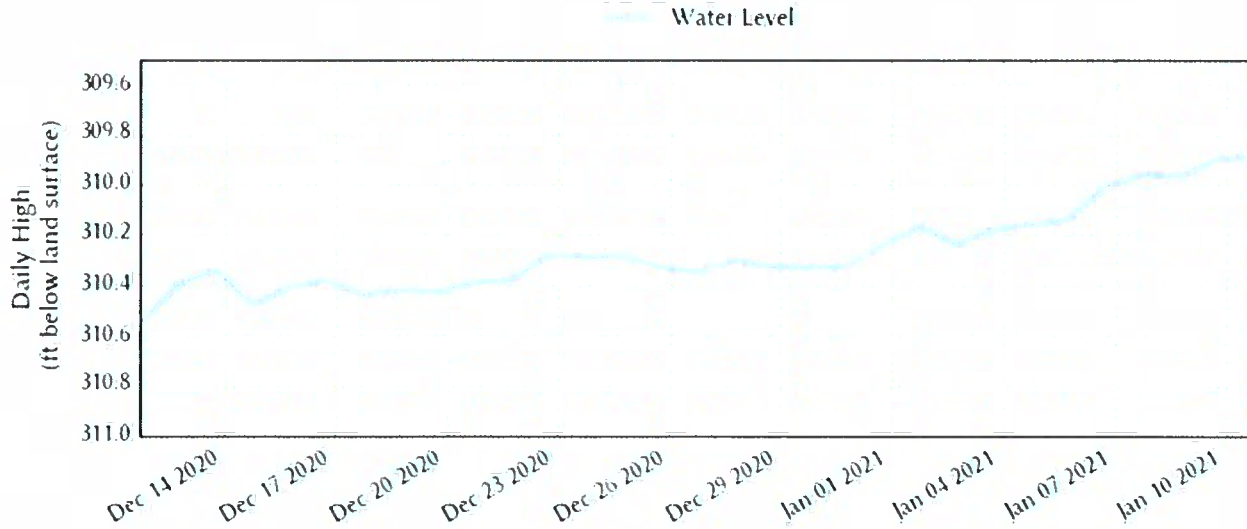
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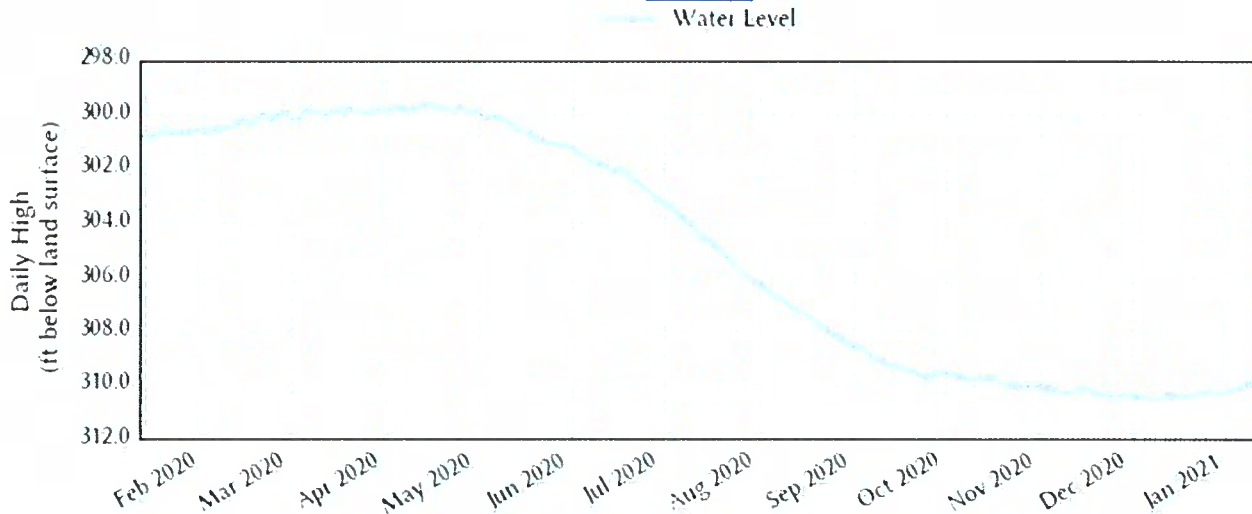
December 2020

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

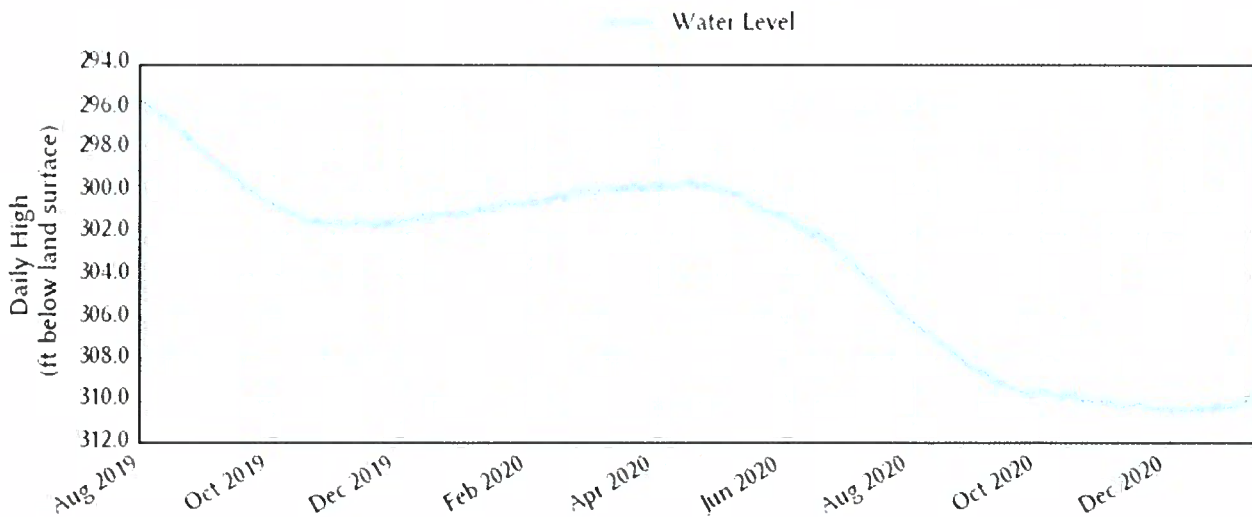
Last 30 Days



1 Year

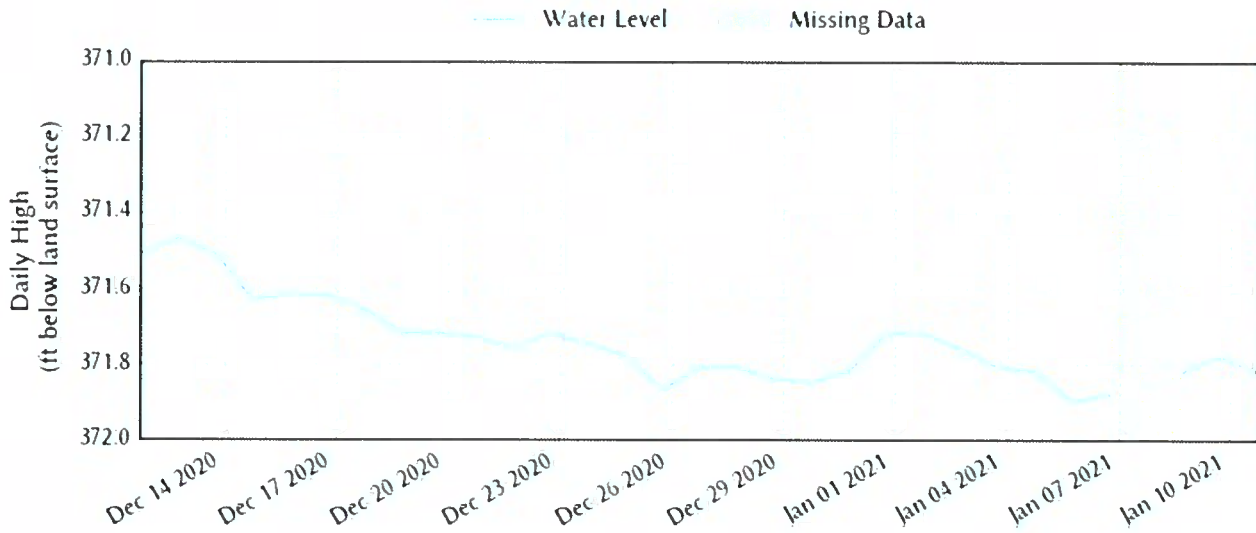


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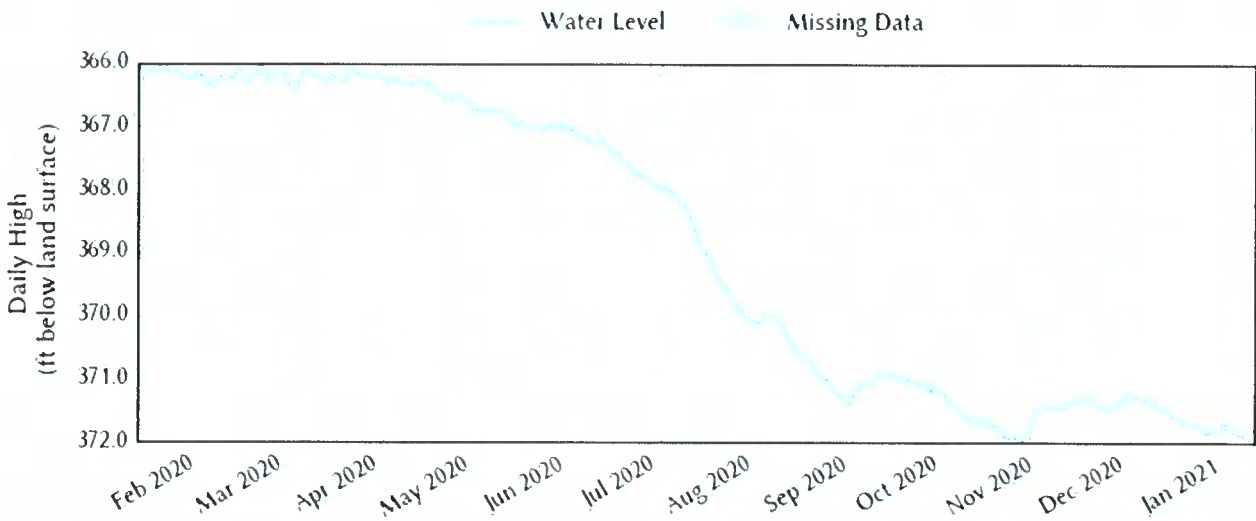


Continuous Monitoring Well # 4062501
(Temple - Acres Well)
Lower Trinity Aquifer

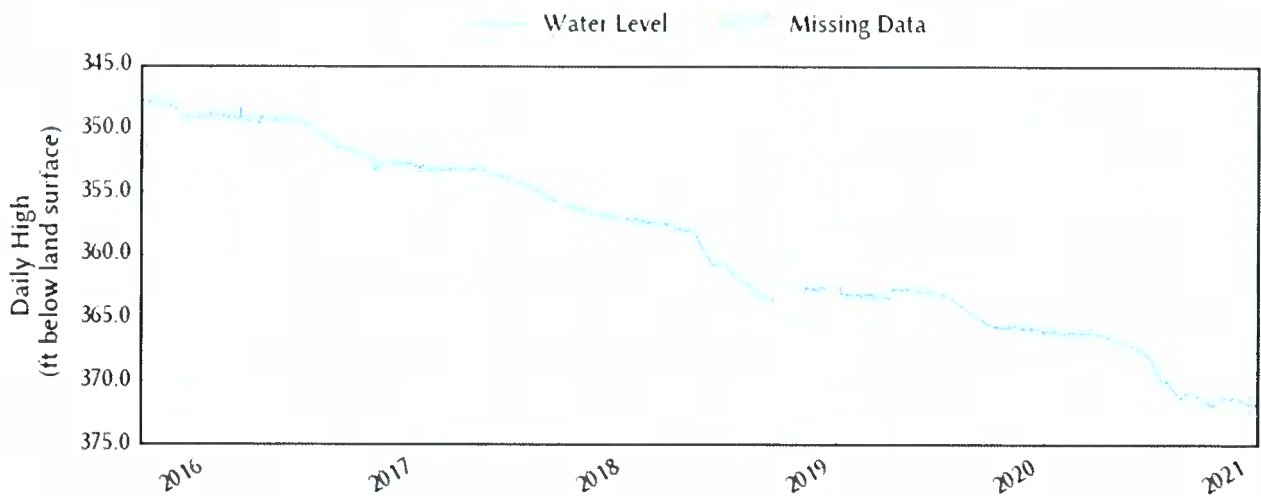
Last 30 Days



1 Year

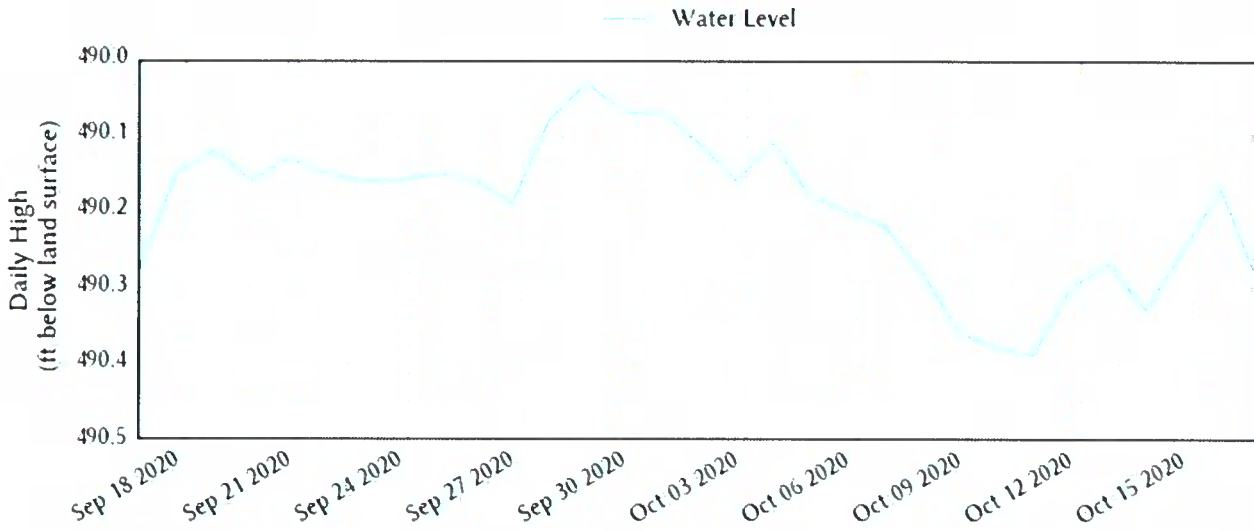


Period Of Record

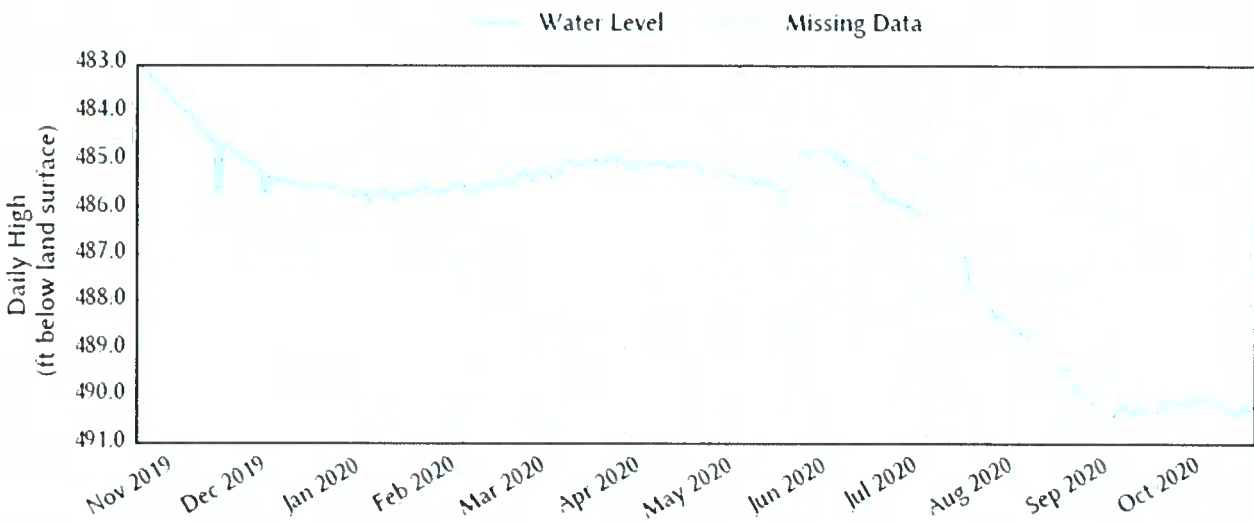


**Continuous Monitoring Well # 4054701
(Temple - Cearley Well)
Lower Trinity Aquifer**

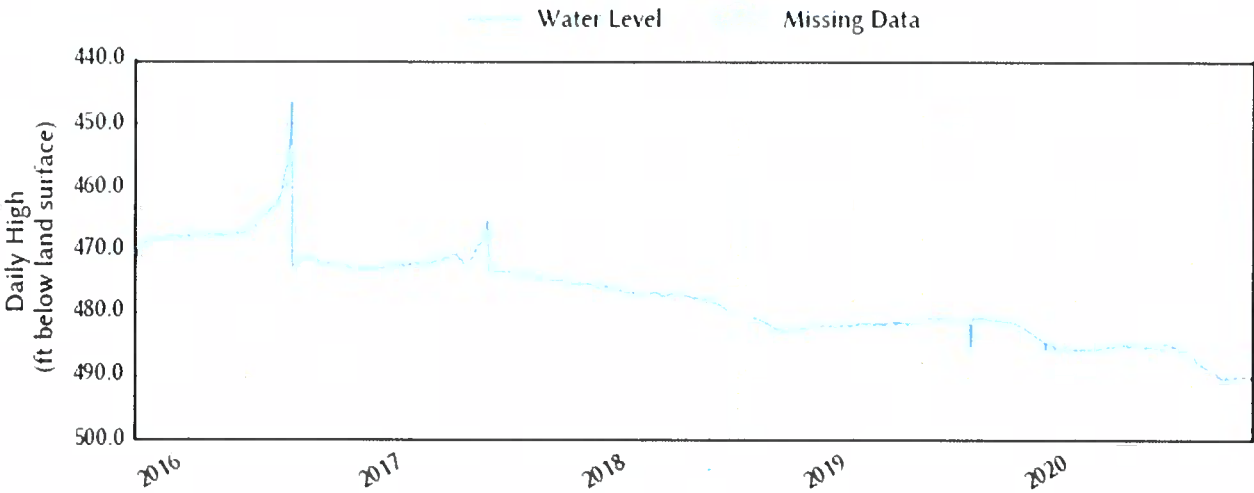
Last 30 Days



1 Year



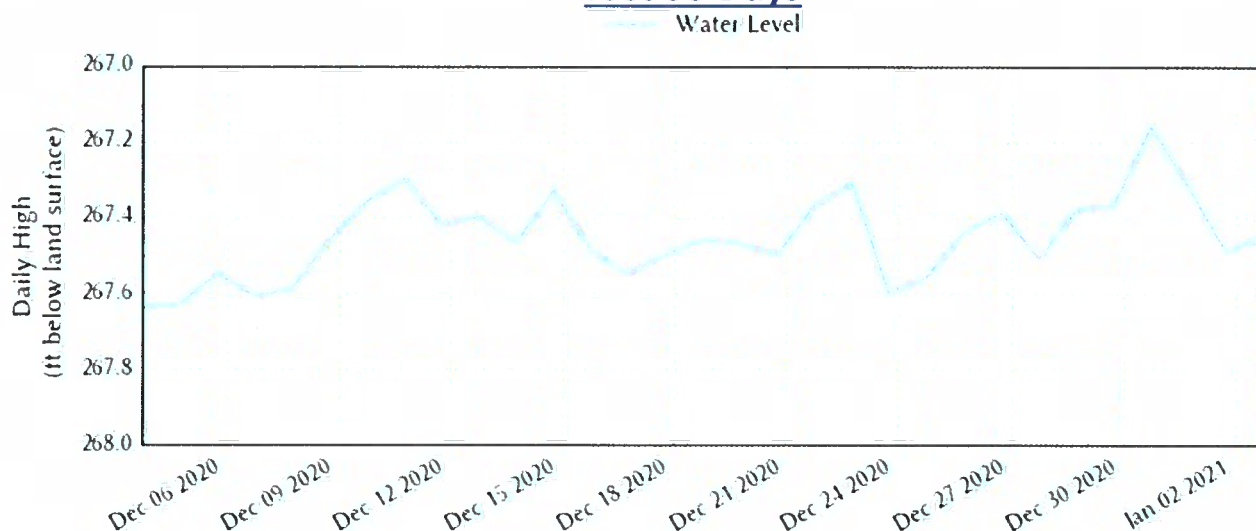
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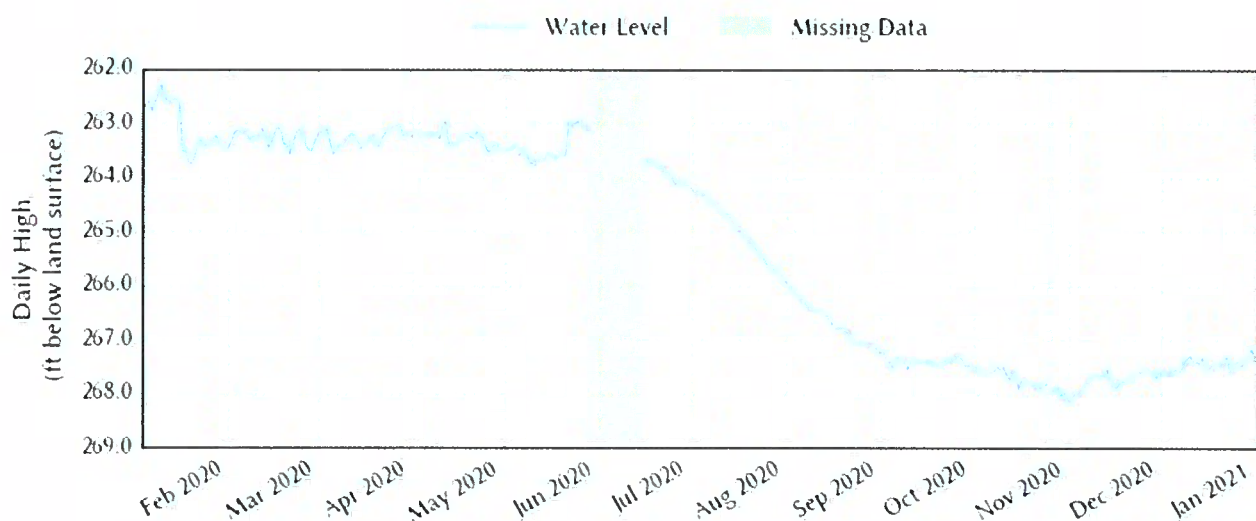
December 2020

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

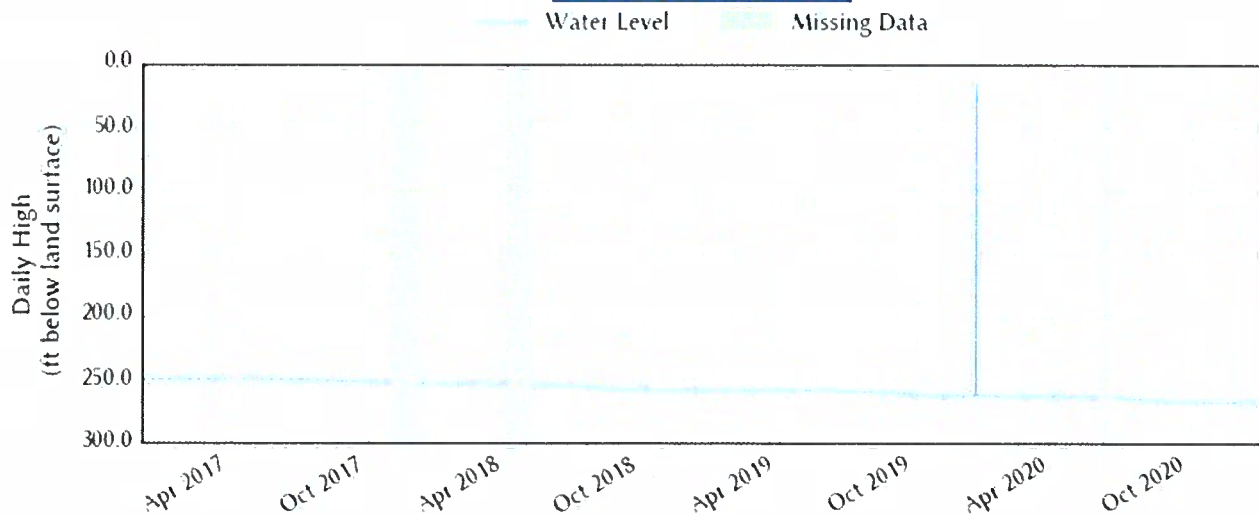
Last 30 Days



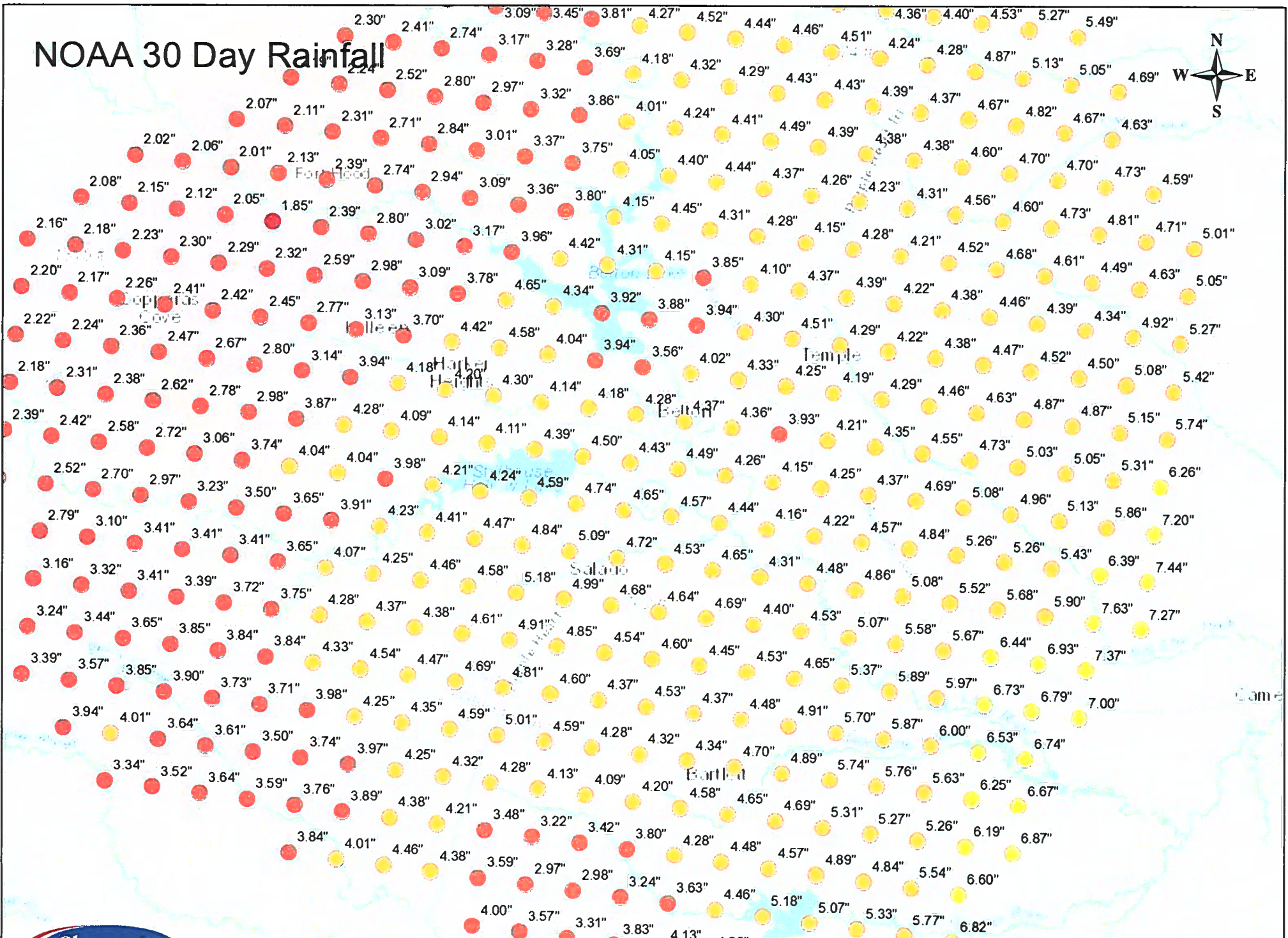
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Period Of Record

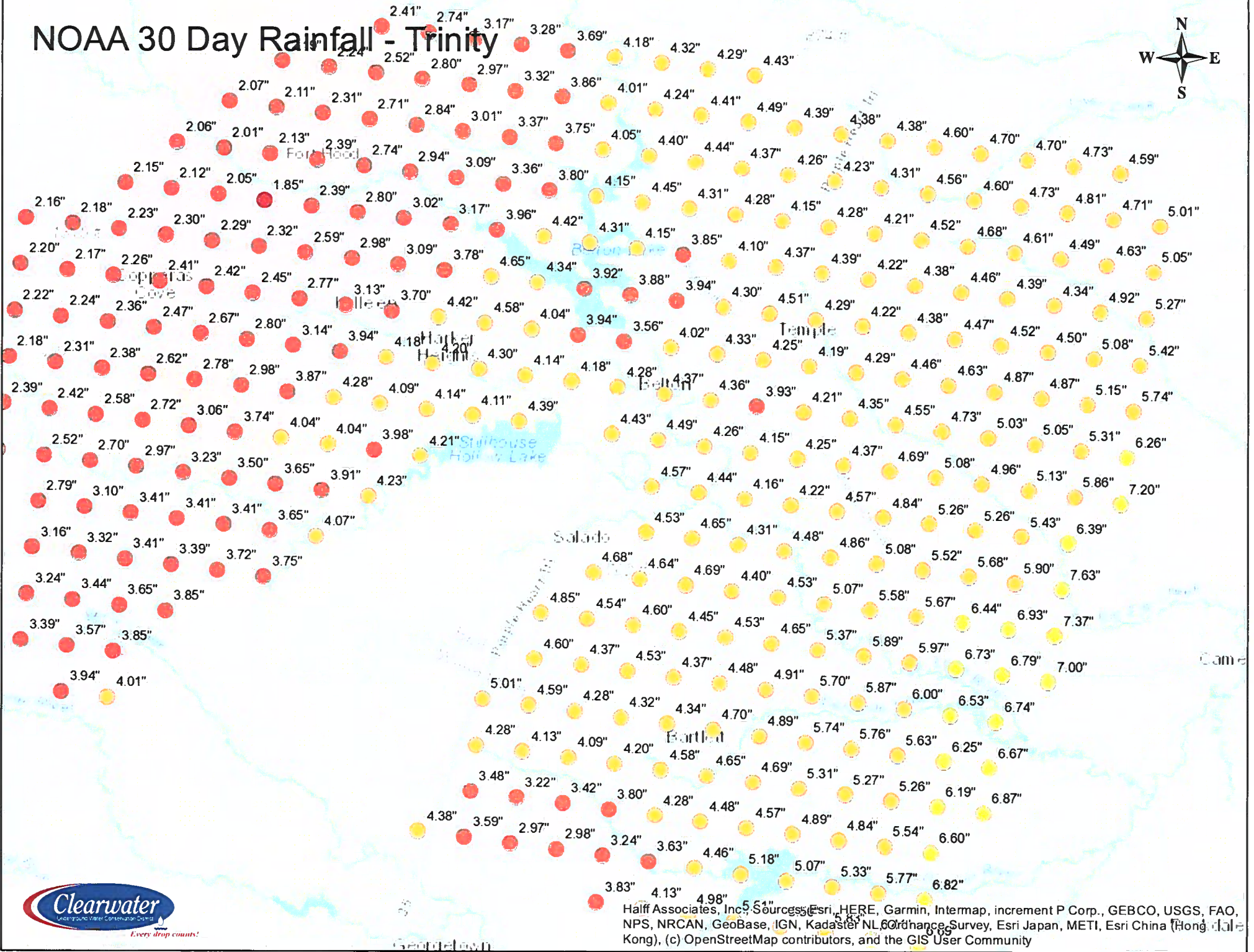


NOAA 30 Day Rainfall



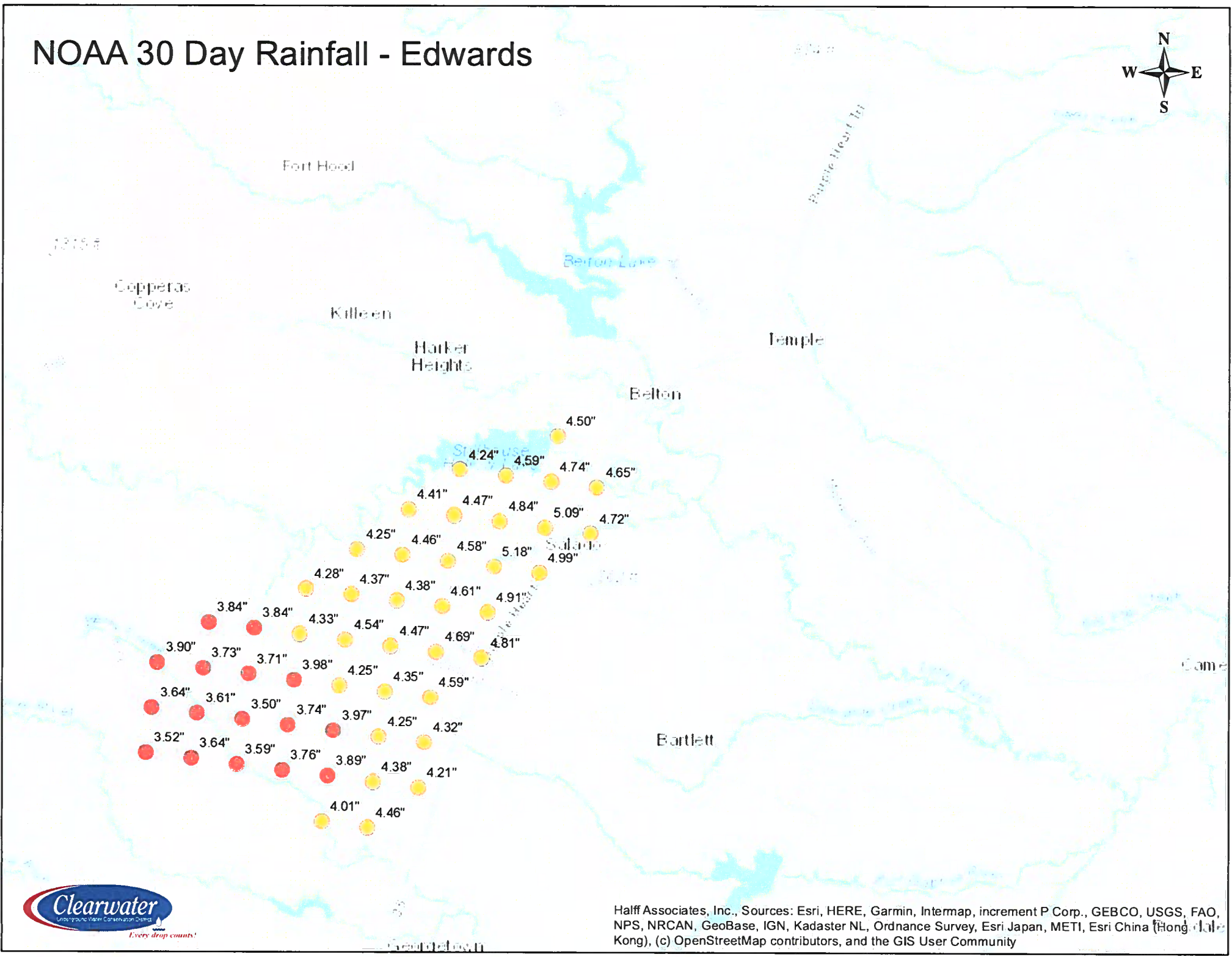
Half Associates, Inc., Source: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Trinity



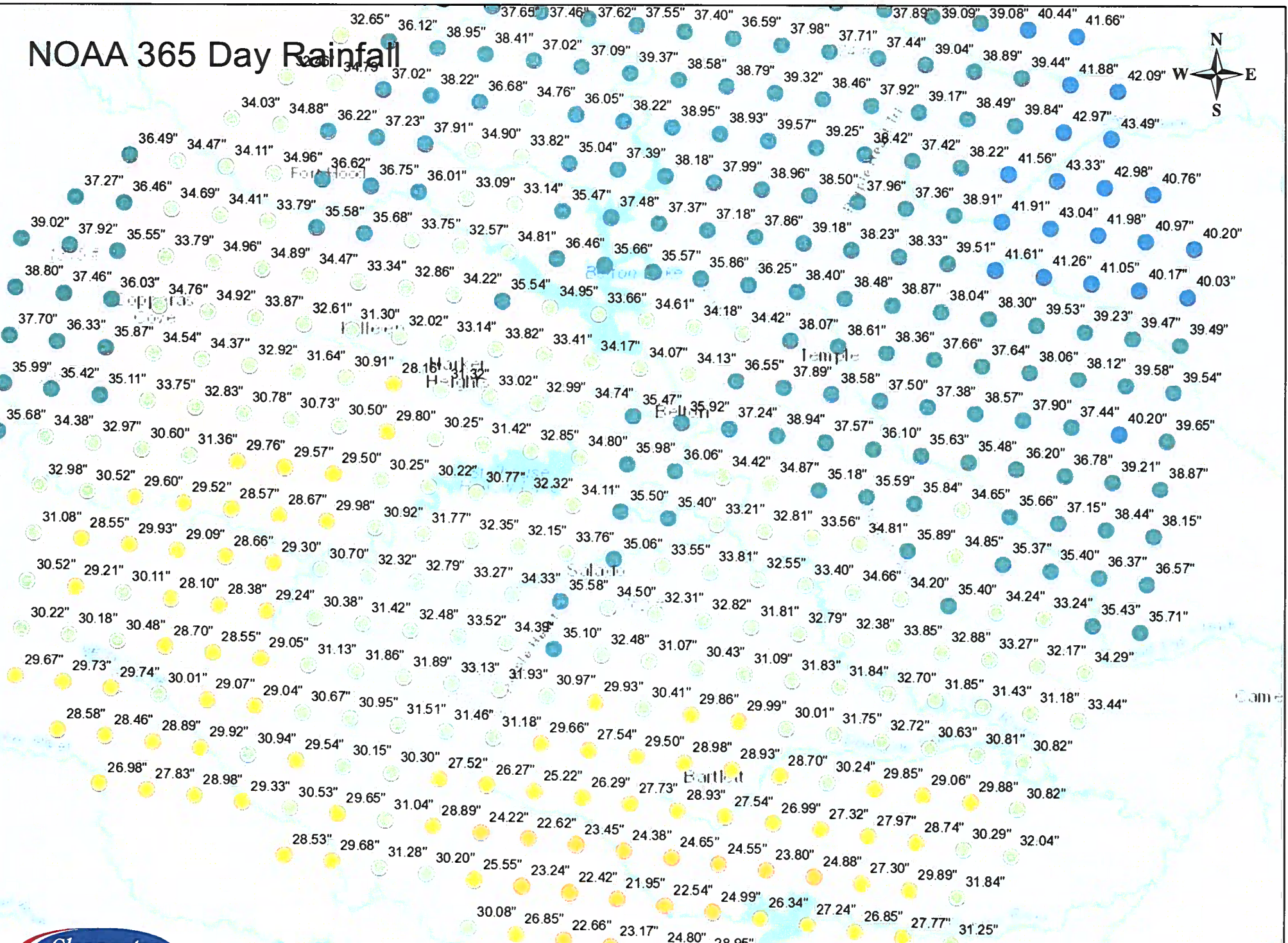
Half Associates, Inc., Sources Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 30 Day Rainfall - Edwards



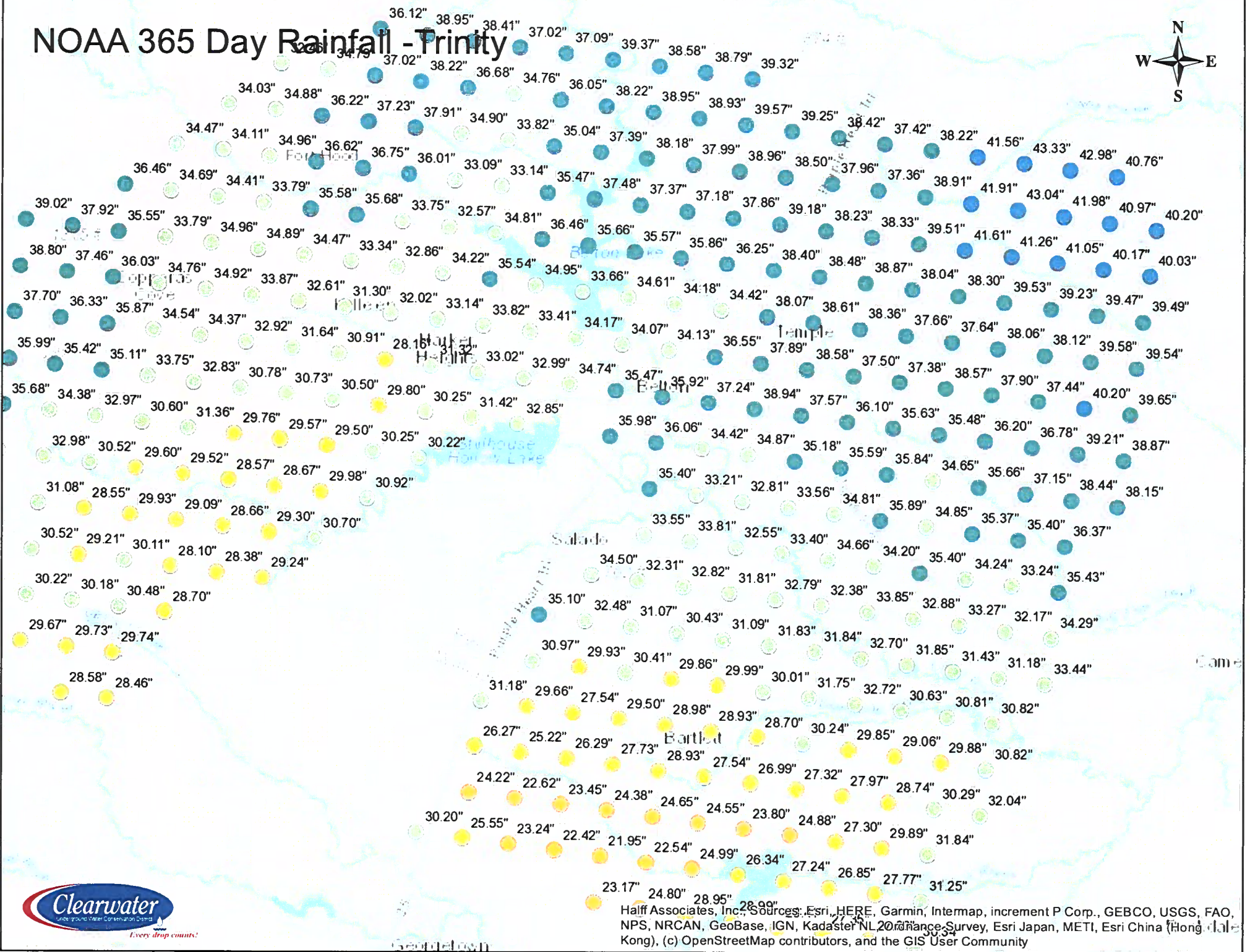
Half Associates, Inc., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

NOAA 365 Day Rainfall



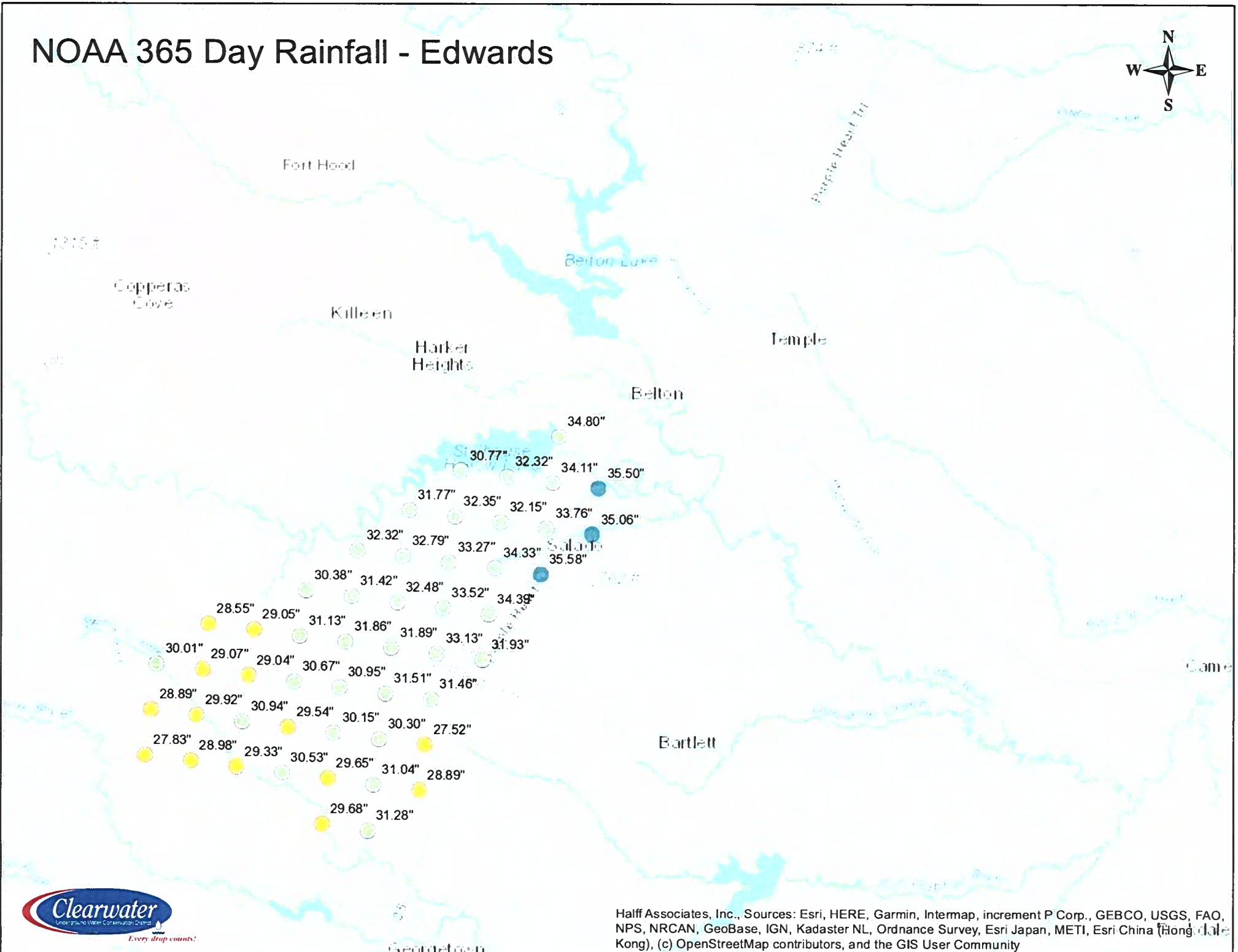
Half Associates, Inc. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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 - 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