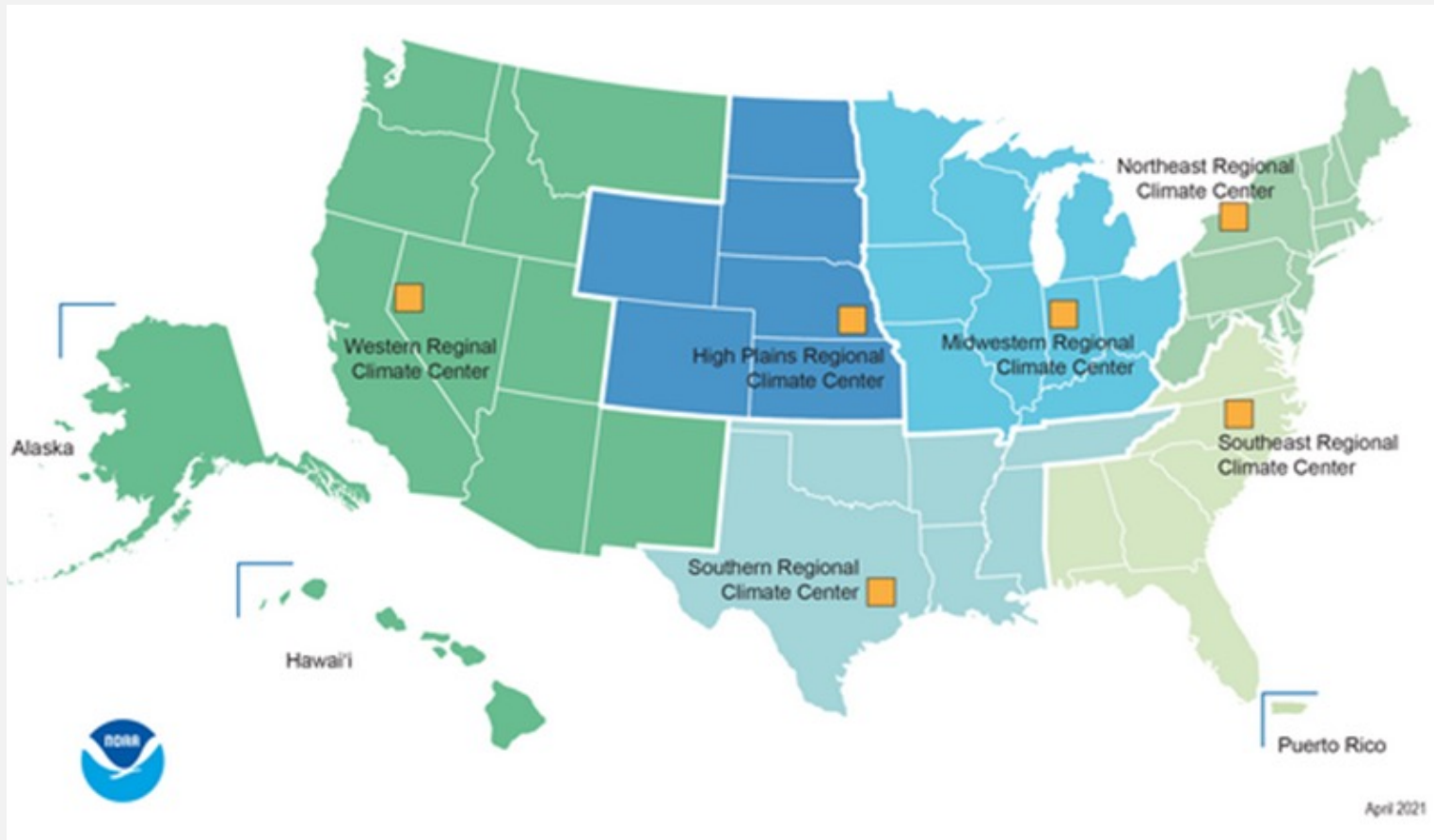


The High Plains Regional Climate Center (HPRCC): An Update

Rezaul Mahmood Ph.D., Director

*High Plains Regional Climate Center
University of Nebraska - Lincoln*

HPRCC and Its Geographic Footprint



Background

The HPRCC has been serving the region and the nation for 35 years.

Since its establishment in 1987, the HPRCC has been a pioneer in regional climate monitoring, automated and remote data collection, data quality control, and data product and tool development.

The HPRCC also maintains robust stakeholder engagement activities.

Relevant statistics

- 117,357 unique users between 2016-21.
- 558,541 Pageviews between 2016-21 (average 111,708 per year).
- Since 2016, there are users from almost every country

Relevant statistics

- 30 Online tools maintained for users to explore climate information.
- Total Number of Maps: 442,069 with archive back to 2003.

Relevant statistics

- Total Number of GIS Files: 3,306 with archive back to 2018.
- Maps Produced Daily: Incorporating historical data from over 30,000 weather stations.

New Staff and Students

Staff:

Gannon Rush, Service Climatologist

Daniel Whitesel, Climatologist (joint appointment with the NDMC)

Students:

Edith Campbell, Student Intern

Syeda Tasneem Binta Haider, Ph.D. student

Chanchal Gupta, Ph.D. student

GDD Station Report tool

Station Report

About this tool

Station ID: (Find a station...)

LNK

Select Report Type:

Growing Degree Day Report

Select Crop (GDD Threshold):

Corn 50/86 F

Start Date: 05 / 01 / 2022

Generate Report

Print Report

[Link to this report](#)



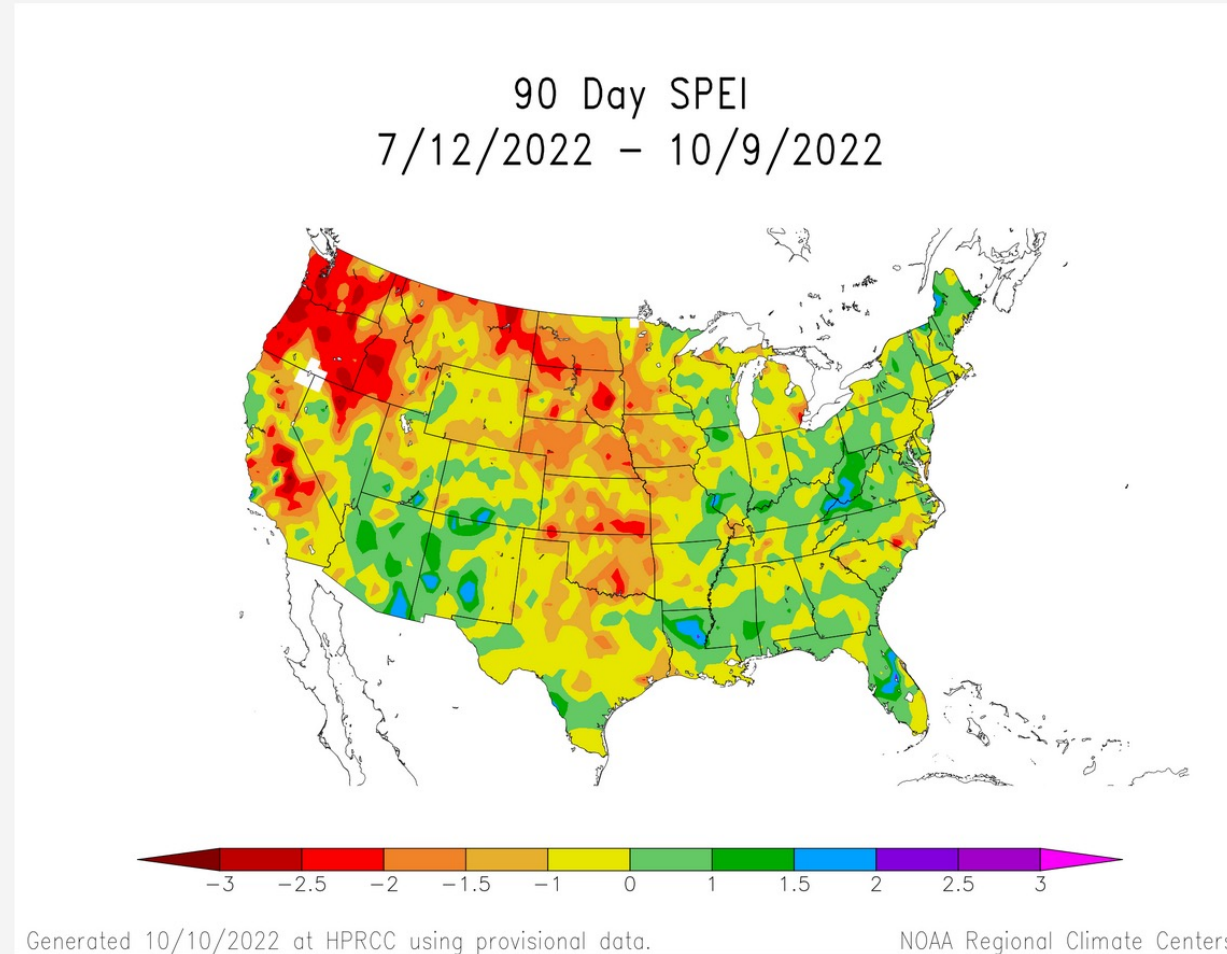
Growing Degree Day Report for Lincoln Airport, NE

Start Date: May 1, 2022
Upper/Lower Temperature Limits: 86/50 F
Crop: Corn

Last Freeze Date: Apr 25, 2022

Week	GDD	Est Growth Stage*
2022-05-01	38	2 Leaves
2022-05-07	187	
2022-05-14	304.5	4 Leaves
2022-05-21	383	6 Leaves
2022-05-28	521.5	8 Leaves
2022-06-04	671.5	10 Leaves
2022-06-11	857.5	14 Leaves

SPEI Maps



[Link to Image Here](#)

Updated county climate averages for the region for the latest 30-year period

County Level Data

Copy CSV Excel PDF Print

Search:

County ▾	Jan ◇	Feb ◇	Mar ◇	Apr ◇	May ◇	Jun ◇	Jul ◇	Aug ◇	Sep ◇	Oct ◇	Nov ◇	Dec ◇
York County	23.96	27.94	38.96	49.92	61.30	71.92	75.85	73.39	65.64	52.69	38.75	27.78
Wheeler County	22.31	25.78	36.45	46.98	58.10	68.81	73.93	71.54	63.31	49.93	36.27	25.49
Webster County	25.25	28.96	39.59	49.97	60.85	72.10	76.93	74.43	65.77	52.35	38.65	28.16
Wayne County	20.47	24.62	35.88	47.56	59.22	69.92	73.99	71.58	63.45	50.35	36.08	24.64
Washington County	21.78	26.13	38.18	49.94	61.35	71.61	75.38	73.08	65.29	52.46	38.17	26.5 Next
Valley County	23.33	26.72	37.28	47.39	58.20	69.09	74.30	72.09	63.37	49.85	36.42	26.08
Thurston County	19.96	24.30	36.33	48.26	60.17	70.86	74.79	72.18	64.10	50.81	36.35	24.54
Thomas County	25.58	27.91	37.83	46.63	57.26	67.76	73.88	71.68	62.82	49.16	36.73	27.17
Thayer County	25.52	29.49	40.43	50.85	61.70	72.50	76.95	74.67	66.57	53.64	39.89	29.16
Stanton County	21.18	25.25	36.55	48.03	59.57	70.22	74.10	71.69	63.77	50.68	36.47	25.20

Showing 1 to 10 of 93 entries

Previous 1 2 3 4 5 ... 10

Climate Mainstreet Blog

High Plains Climate Mainstreet

Climate information for the High Plains and the United States

August 2022 Climate Summary



Gannon
September 26, 2022
Uncategorized



Dry Pasture in Western Kansas, Photo Courtesy of Kevin Rush

Search

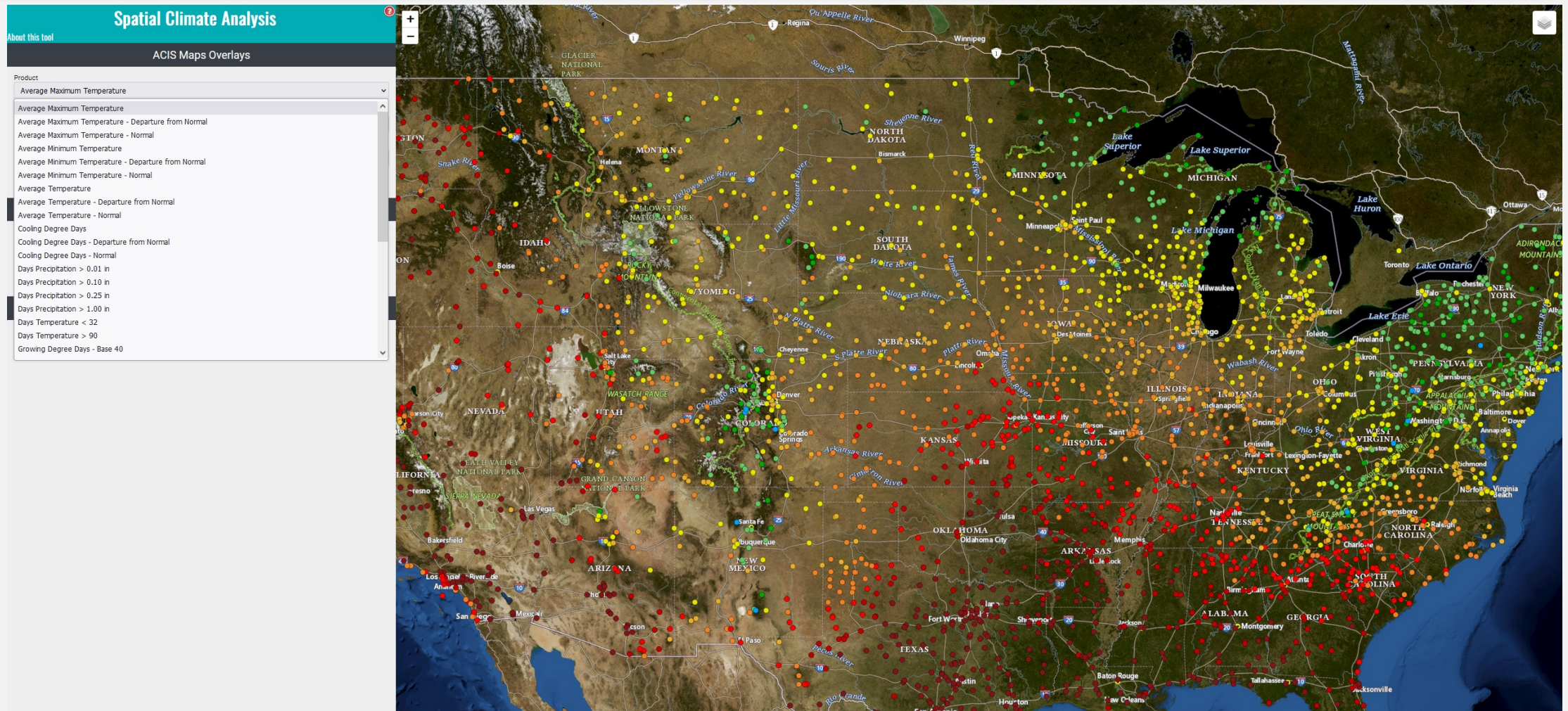
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[Tool Spotlight – Spatial Climate Analysis](#)
[July 2022 Climate Summary](#)
[June 2022 Climate Summary](#)

Categories

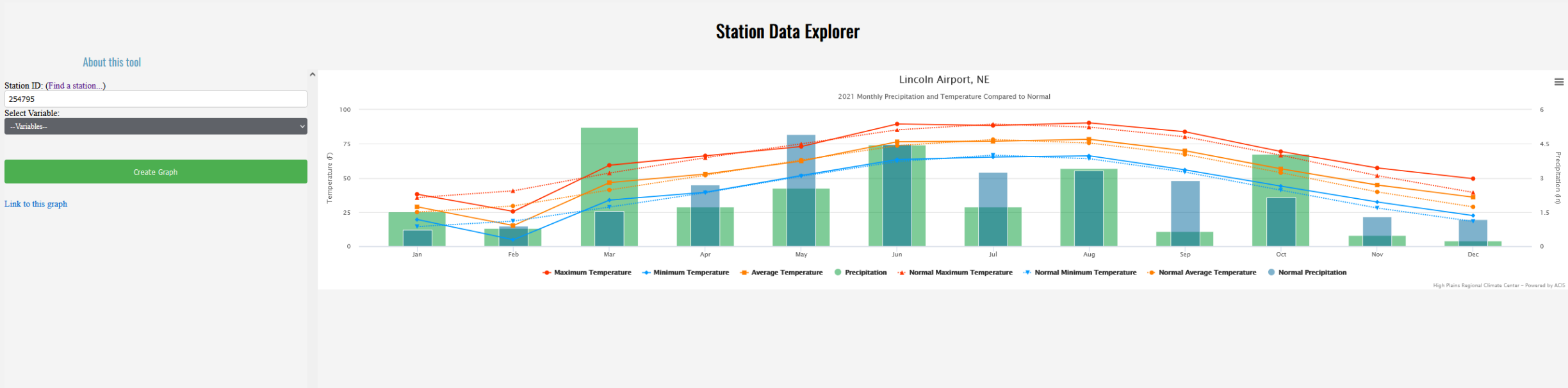
- [Climate Summary \(25\)](#)
- [Annual Climate Summary \(1\)](#)
- [Annual Top 10 Rankings \(1\)](#)
- [Monthly Climate Summary \(11\)](#)
- [Quarterly Climate Summary \(2\)](#)
- [Quarterly Rankings \(1\)](#)
- [Top 10 Monthly Rankings \(9\)](#)
- [ENSO \(1\)](#)
- [La Niña \(1\)](#)
- [Monthly Climate Summary \(2\)](#)
- [Tool Spotlight \(3\)](#)
- [Uncategorized \(4\)](#)

Spatial Climate Analysis Tool

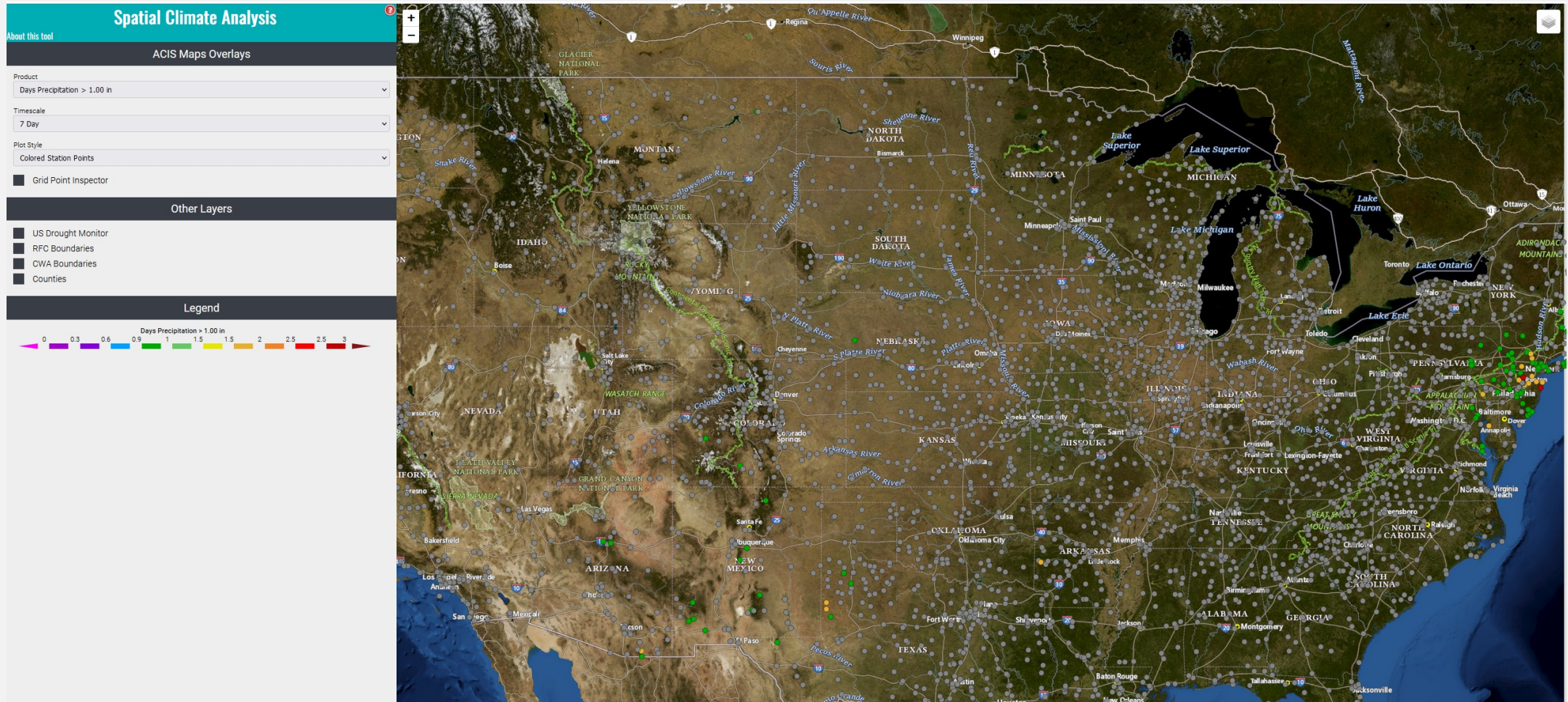


Providing timely climate data and information to the public for cost effective decision making since 1987

Spatial Climate Analysis

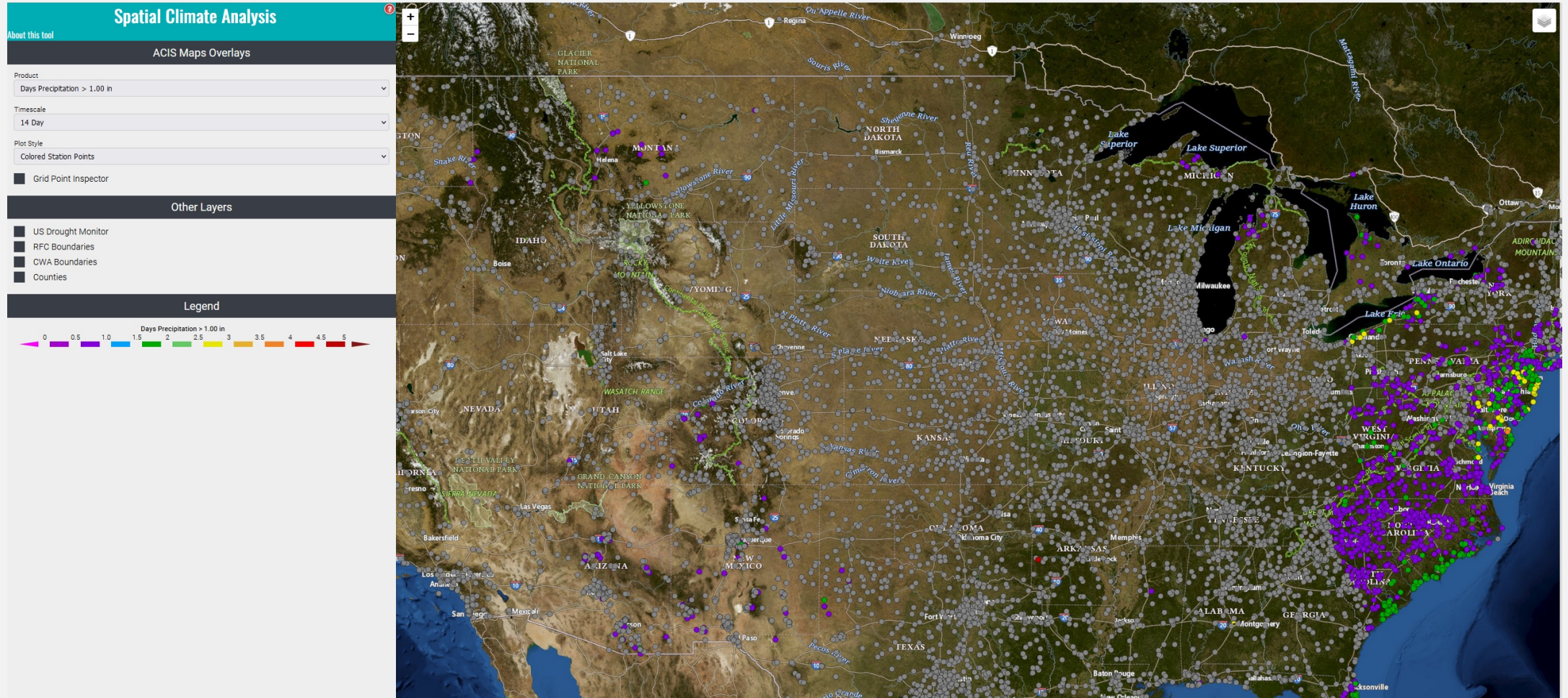


Spatial Climate Analysis Tool



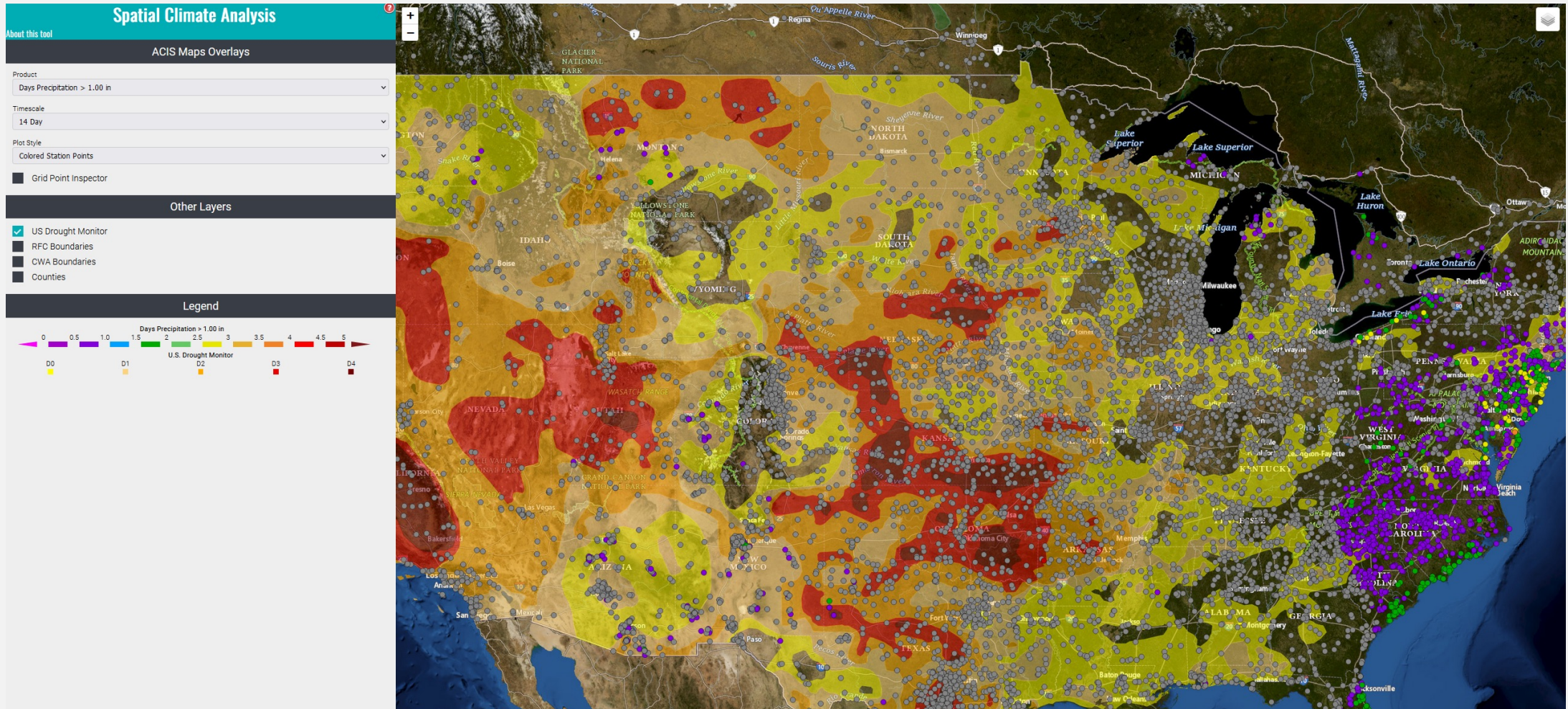
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Spatial Climate Analysis Tool



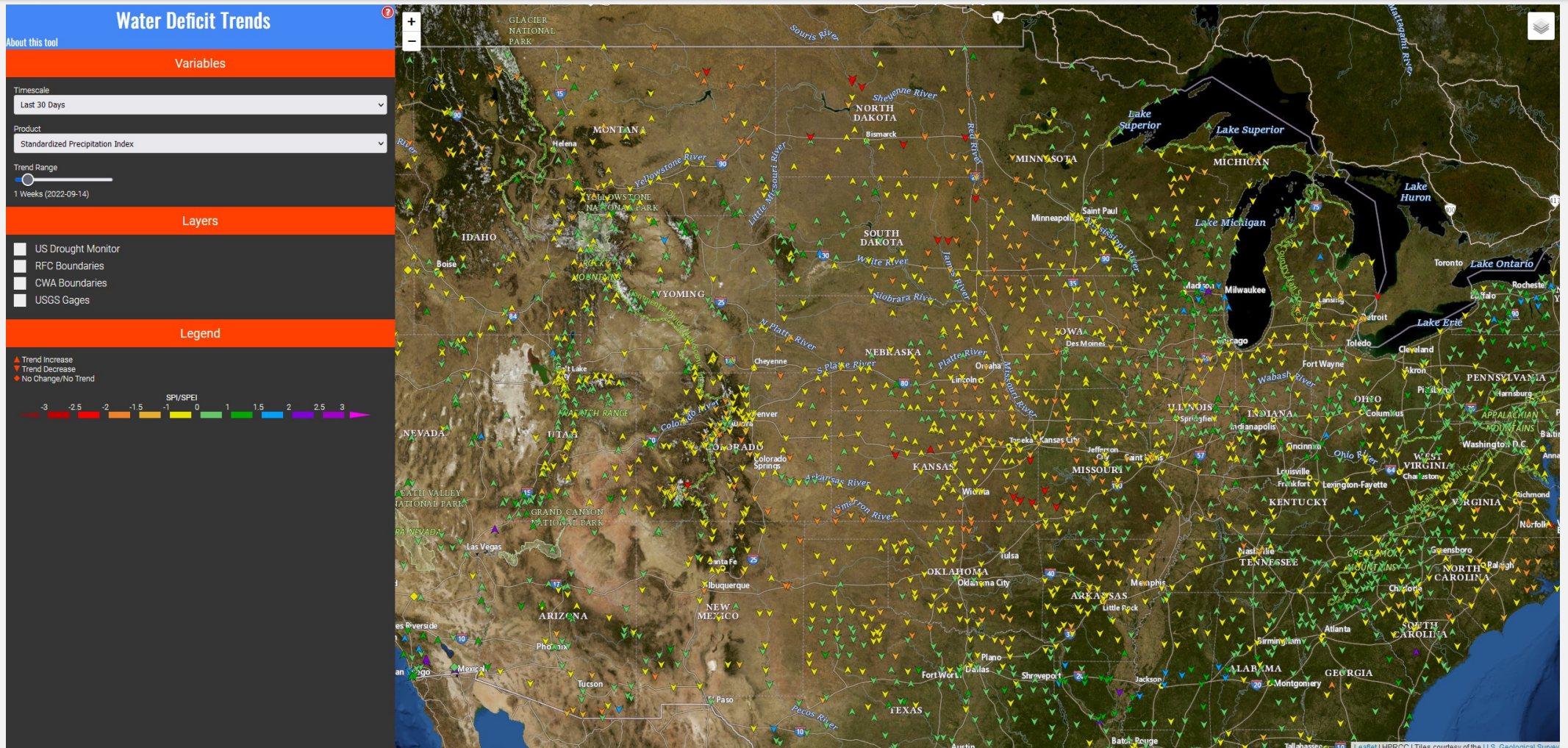
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Spatial Climate Analysis Tool



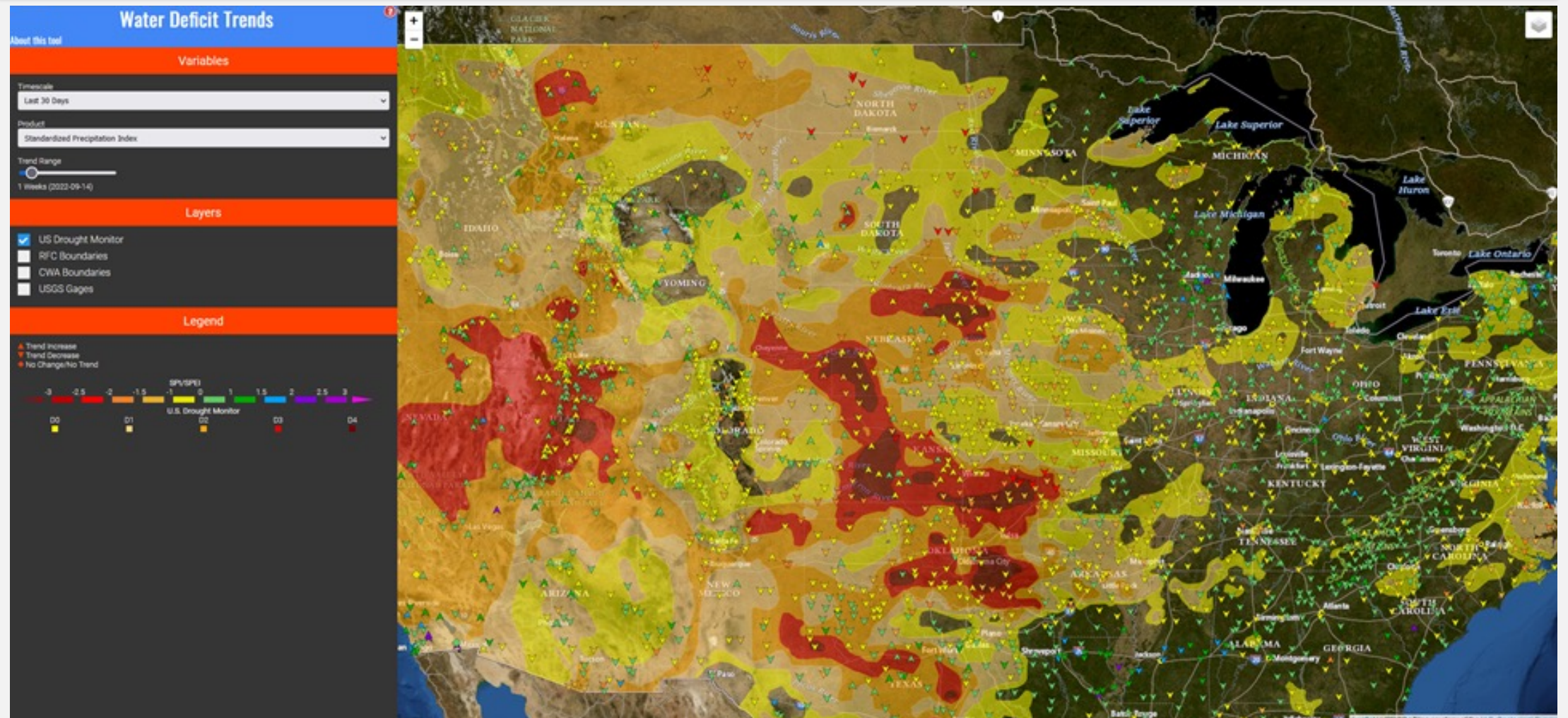
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Water Deficit Trend Tool



Providing timely climate data and information to the public for cost effective decision making since 1987

Water Deficit Trend Tool

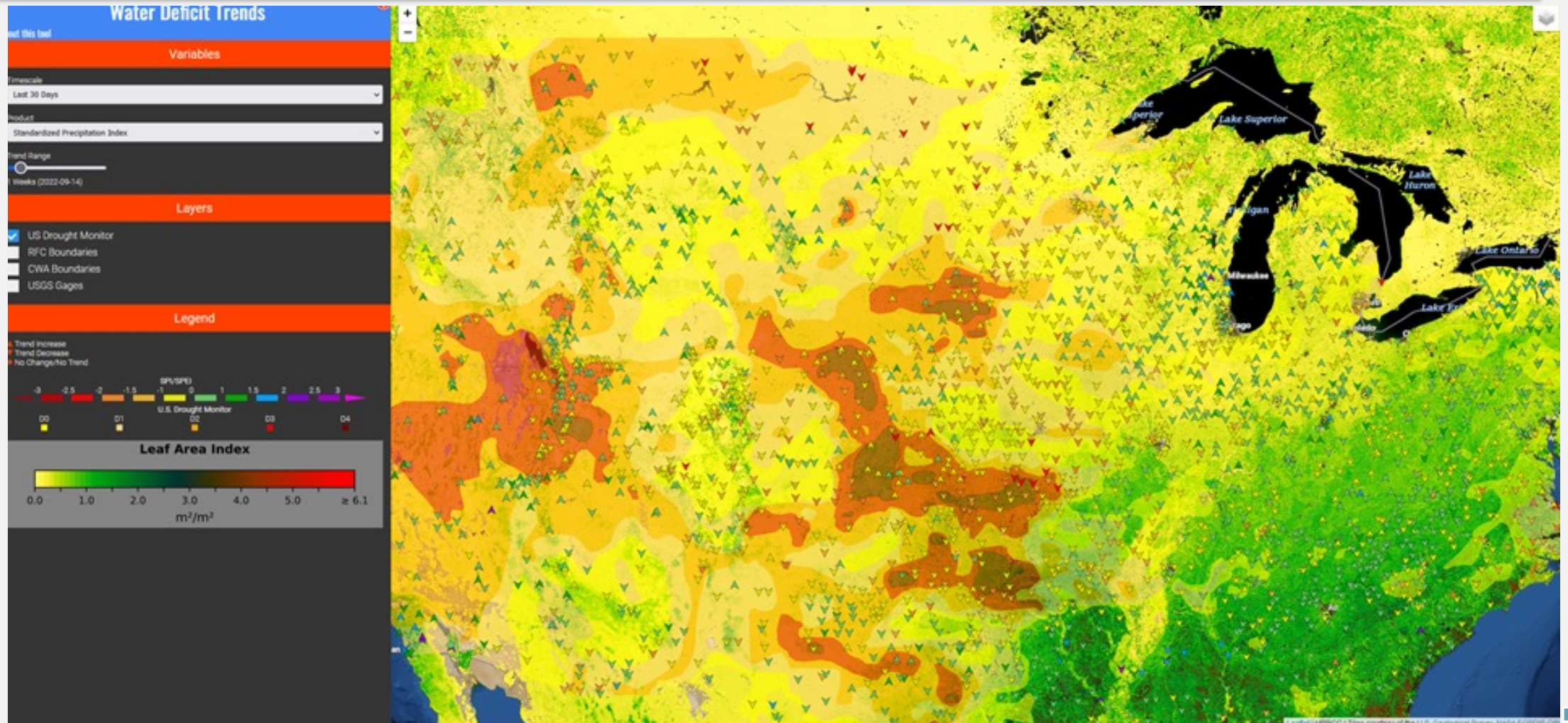


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Water Deficit Trend Tool



Water Deficit Trend Tool



Providing timely climate data and information to the public for cost effective decision making since 1987



Questions?