

November Review & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center



November Temperatures

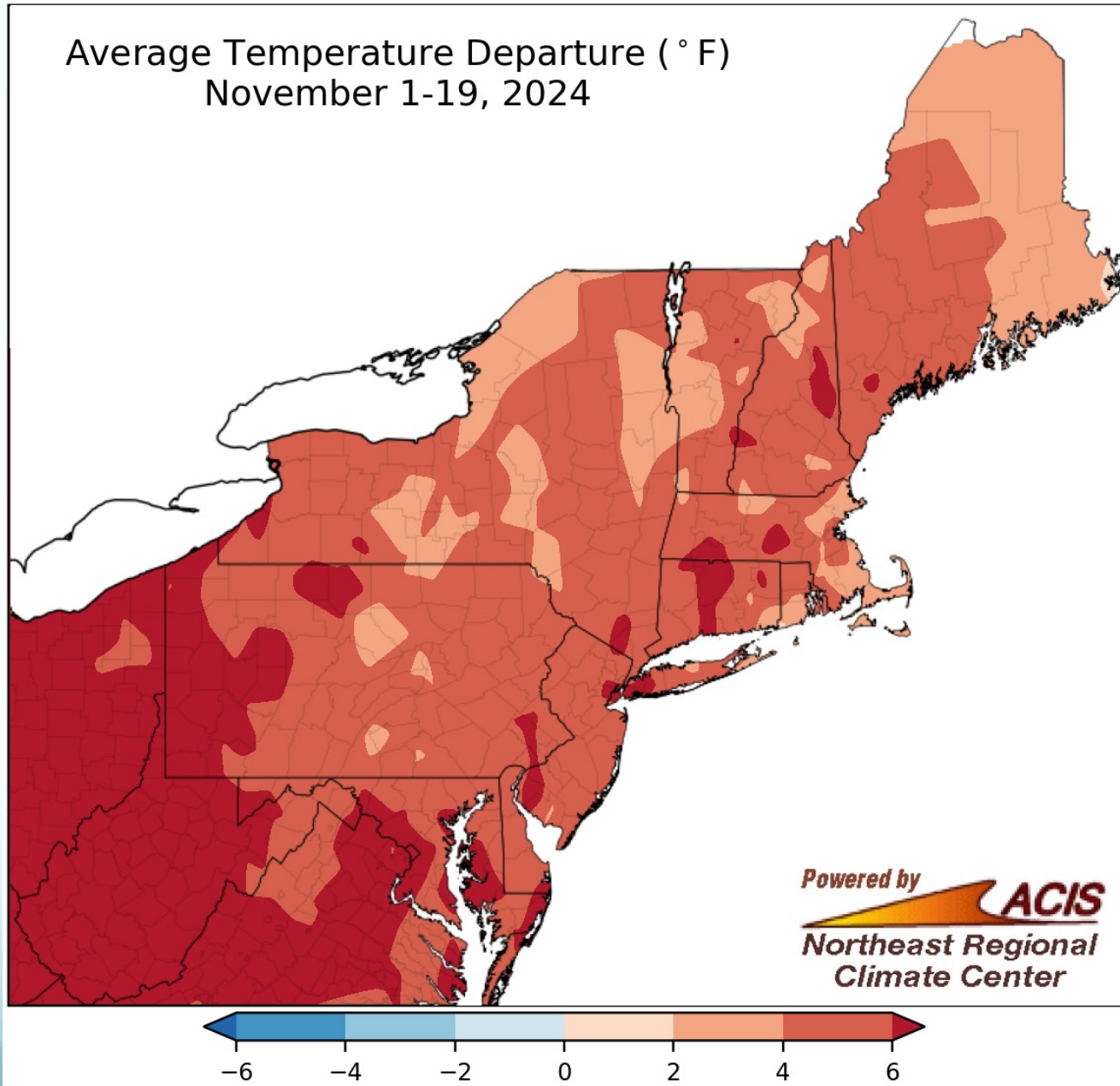
Station	Nov Date	Max Temp	Nov Rank (warmest)
Albany, NY	6	77	4
Allentown, PA	1	77	9
Allentown, PA	6	79	3
Atlantic City, NJ	6	81	3
Atlantic City, NJ	7	83	2
Baltimore, MD	6	81	8
Binghamton, NY	5	73	5
Boston, MA	1	79	3
Boston, MA	6	82	2
Bridgeport, CT	1	81	1
Bridgeport, CT	7	74	7
Bridgeport, CT	6	73	10
Buffalo, NY	5	77	3
Caribou, ME	6	72	3
Central Park, NY	1	79	6
Central Park, NY	6	80	4
Concord, NH	6	80	1
Dulles Airport, VA	1	81	6
Dulles Airport, VA	6	83	3
Erie, PA	5	81	2
Harrisburg, PA	6	80	4
Hartford, CT	1	84	1
Hartford, CT	5	78	7
Hartford, CT	6	84	1
Huntington, WV	5	86	1
Islip, NY	1	80	1
Kennedy Airport, NY	1	82	1
Kennedy Airport, NY	6	75	9
Kennedy Airport, NY	7	77	4
LaGuardia Airport, NY	1	81	3
LaGuardia Airport, NY	6	81	3
Newark, NJ	1	82	4
Newark, NJ	6	83	3
Philadelphia, PA	1	81	2
Philadelphia, PA	6	80	7
Pittsburgh, PA	5	81	2
Portland, ME	1	74	3
Portland, ME	6	79	1
Providence, RI	1	80	2
Providence, RI	6	77	7
Rochester, NY	5	81	1
Scranton, PA	5	76	10
Scranton, PA	6	77	6
Syracuse, NY	5	80	2
Washington, D.C.	1	83	6
Washington, D.C.	6	83	6
Washington, D.C.	7	84	4
Williamsport, PA	6	76	9
Wilmington, DE	1	81	2
Wilmington, DE	6	81	2
Worcester, MA	1	77	4
Worcester, MA	6	78	2



Station	Nov Date	Min Temp	Nov Rank (warmest)
Binghamton, NY	6	58	5
Boston, MA	6	61	9
Bridgeport, CT	6	62	3
Buffalo, NY	5	63	1
Burlington, VT	6	59	4
Central Park, NY	6	64	5
Charleston, WV	6	62	5
Erie, PA	5	66	2
Harrisburg, PA	6	61	3
Huntington, WV	5	65	2
Huntington, WV	6	64	5
Islip, NY	6	62	4
Kennedy Airport, NY	6	63	9
LaGuardia Airport, NY	6	65	2
Newark, NJ	6	63	6
Pittsburgh, PA	6	64	2
Portland, ME	6	60	1
Rochester, NY	5	59	7
Scranton, PA	6	59	5
Worcester, MA	6	62	1

Some sites had their warmest high and/or low temperature for November
 Multiple days with high/low among the 10 warmest for November

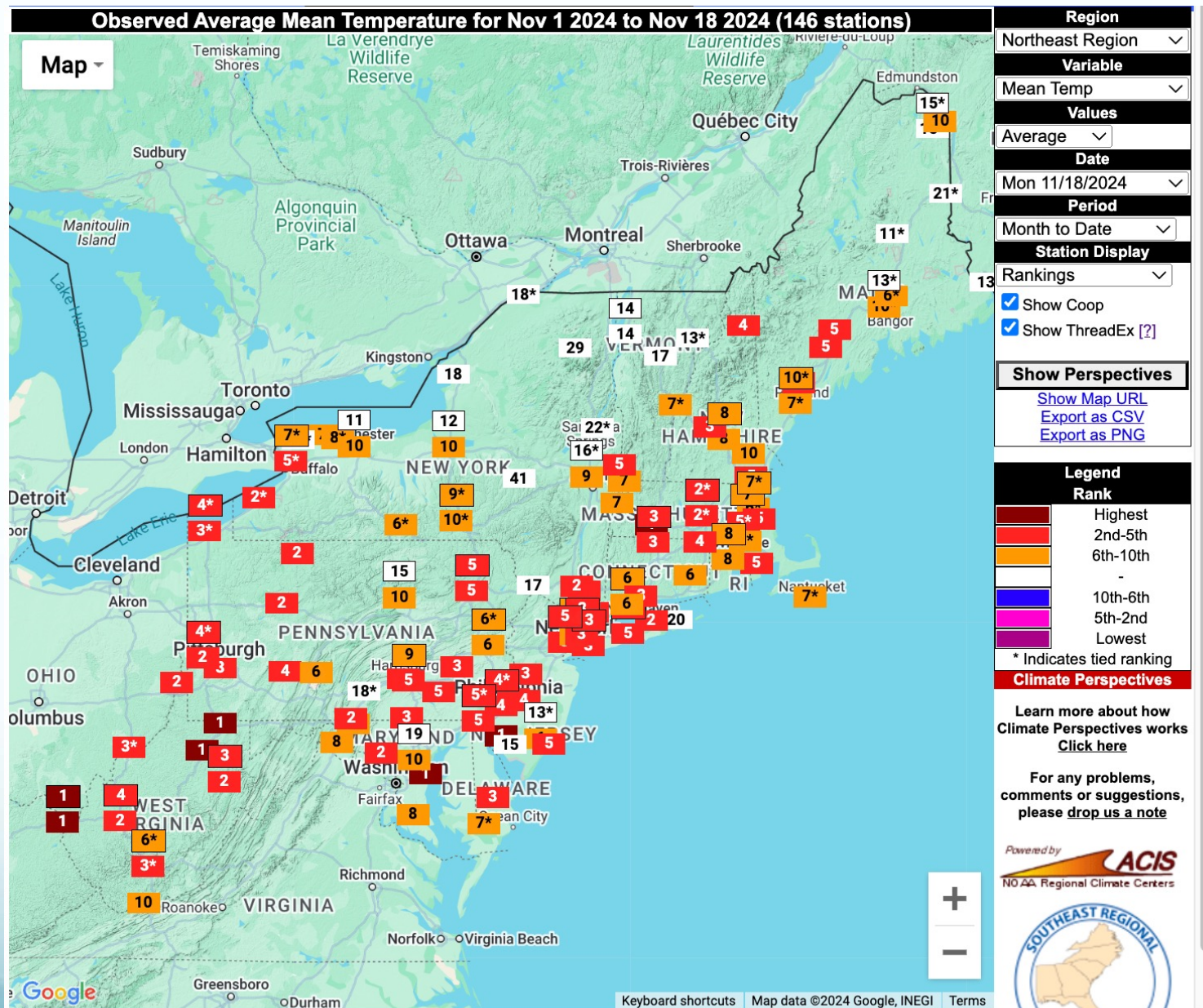
November Temperatures



From near normal to more than 6°F above normal

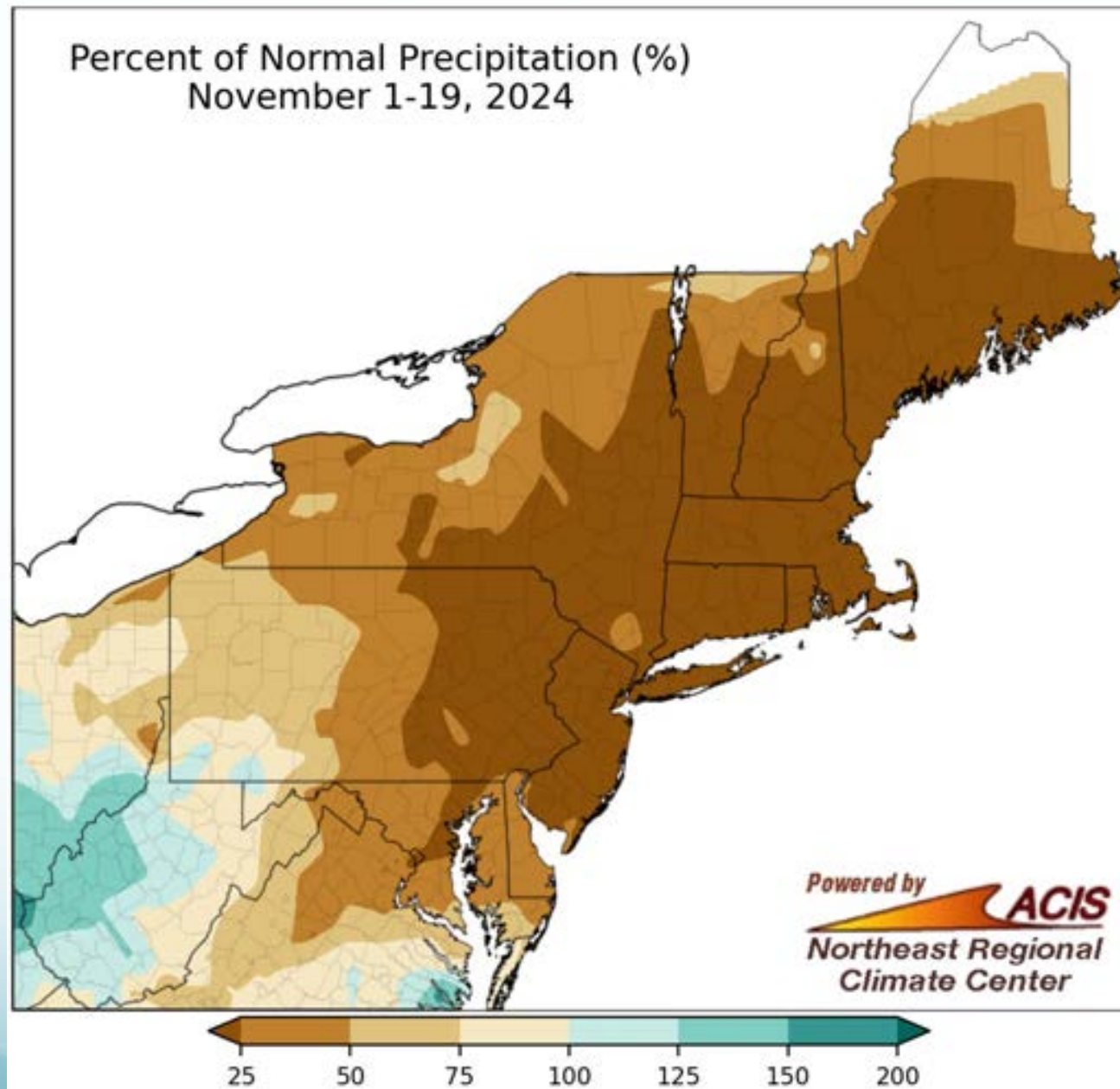


November Temperatures



Created by and hosted at the [Southeast Regional Climate Center](#).

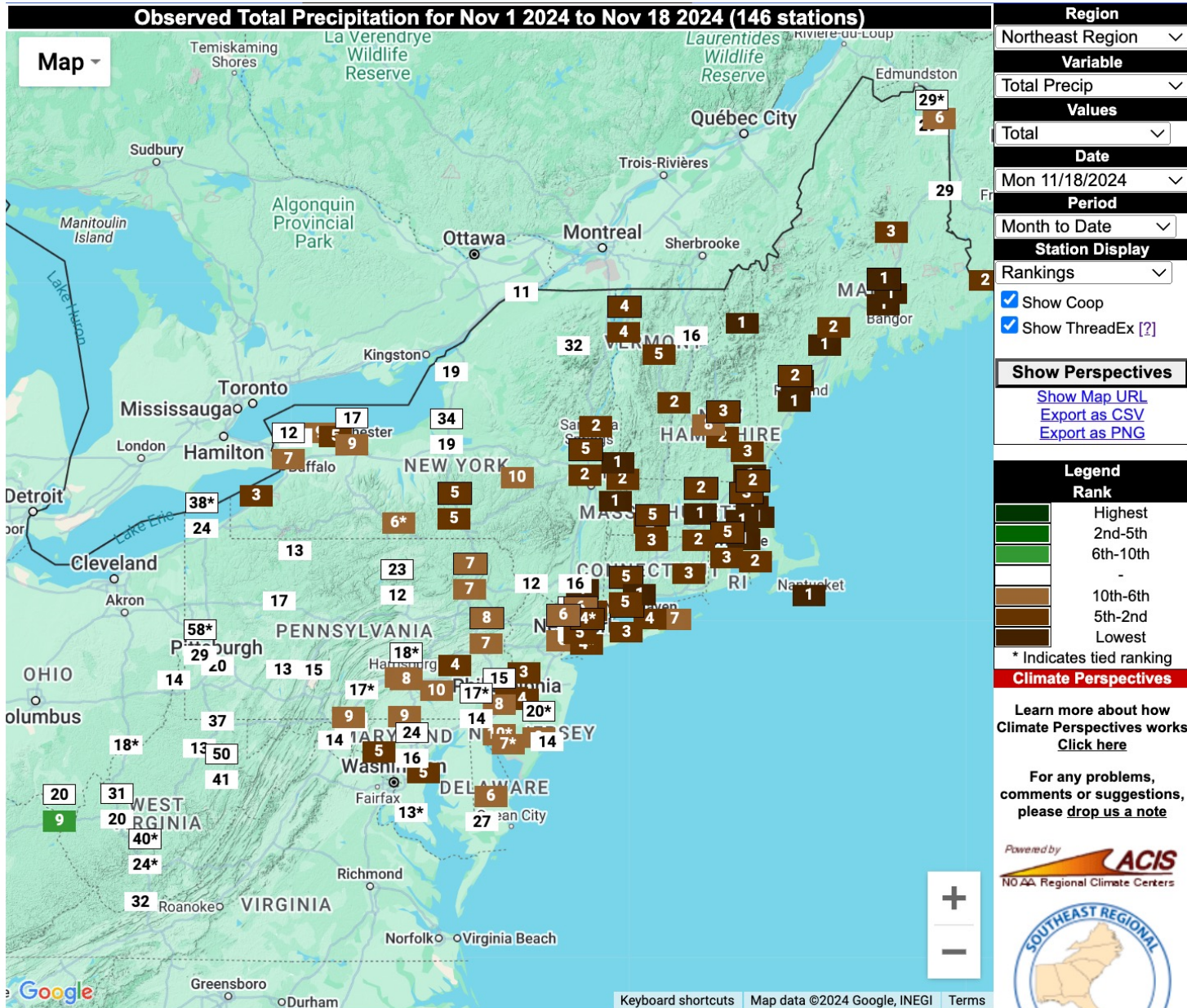
November Precipitation



From less than 25% of normal to 200% of normal



November Precipitation

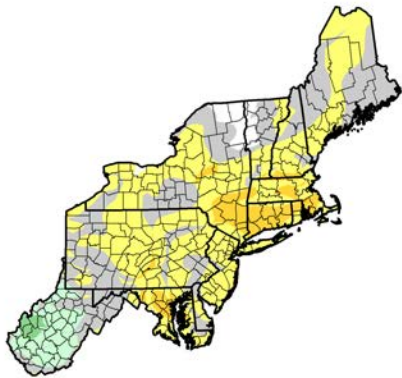


Created by and hosted at the [Southeast Regional Climate Center](#).



Drought Monitor

U.S. Drought Monitor Class Change - Northeast Climate Region 3 Week

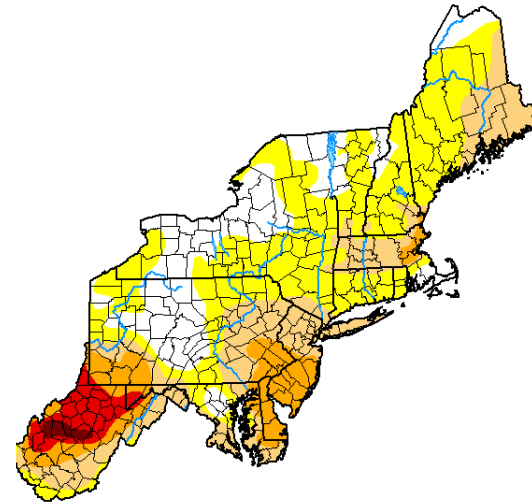


November 19, 2024
compared to
October 29, 2024

droughtmonitor.unl.edu



U.S. Drought Monitor Northeast



October 29, 2024
(Released Thursday, Oct. 31, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	21.01	40.71	23.05	10.42	4.14	0.67
Last Week 10-22-2024	36.05	34.69	17.58	6.87	4.14	0.67
3 Months Ago 07-30-2024	60.02	19.18	12.02	6.07	2.70	0.00
Start of Calendar Year 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 10-31-2023	82.70	15.28	1.75	0.27	0.00	0.00

Intensity



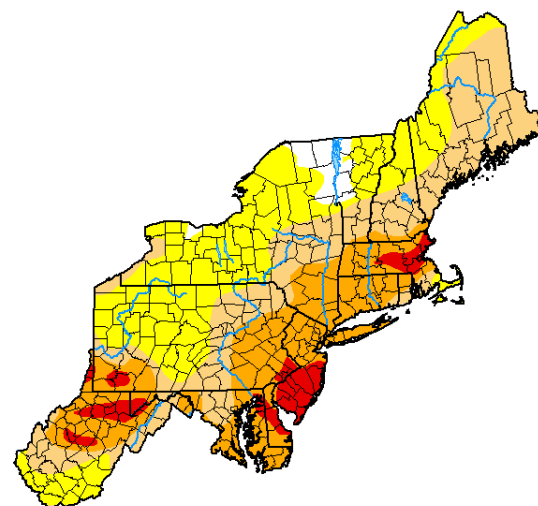
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor Northeast

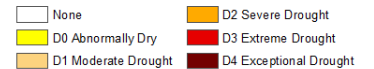


November 19, 2024
(Released Thursday, Nov. 21, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	3.15	35.46	31.00	24.54	5.86	0.00
Last Week 11-12-2024	4.25	37.57	31.53	21.35	4.94	0.37
3 Months Ago 08-20-2024	79.25	5.45	4.90	7.64	2.77	0.00
Start of Calendar Year 01-02-2024	87.20	10.30	1.83	0.67	0.00	0.00
Start of Water Year 10-01-2024	45.94	34.77	9.37	4.97	4.27	0.67
One Year Ago 11-21-2023	72.02	20.39	6.87	0.71	0.00	0.00

Intensity



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

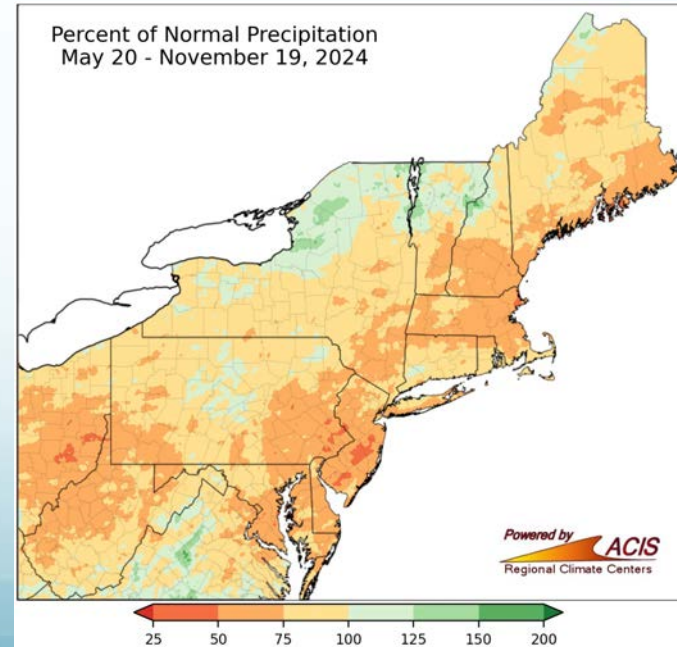
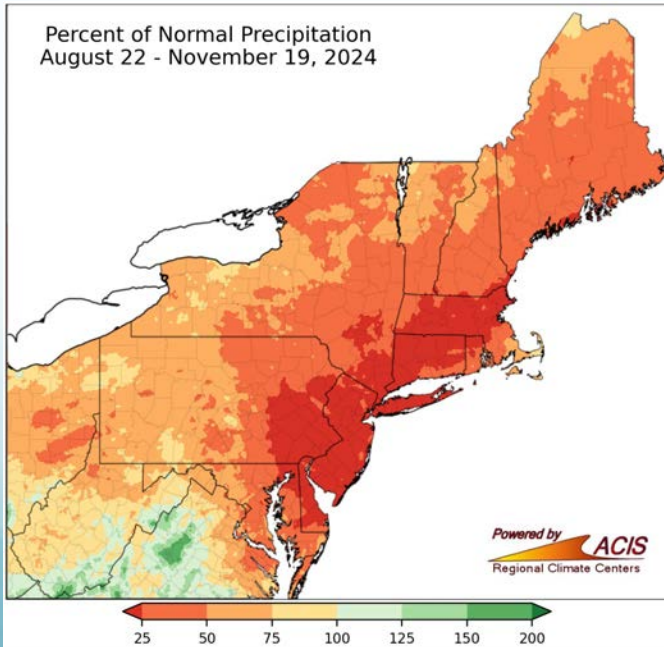
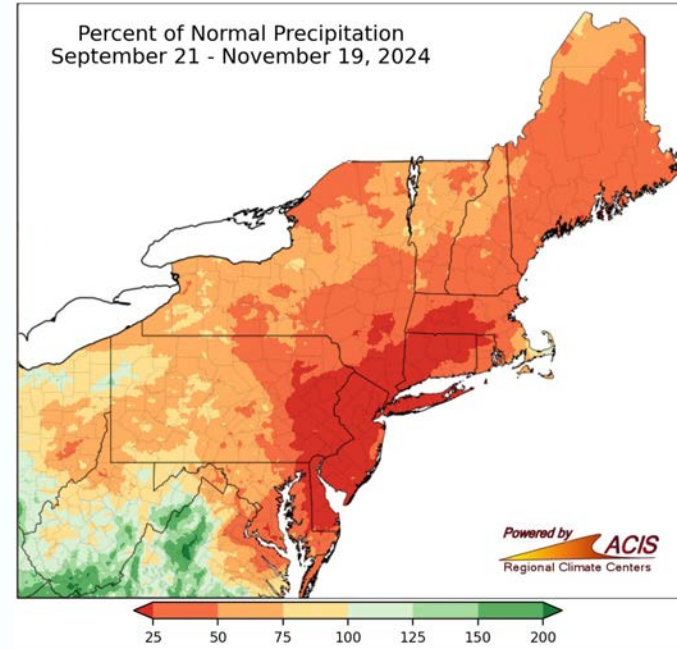
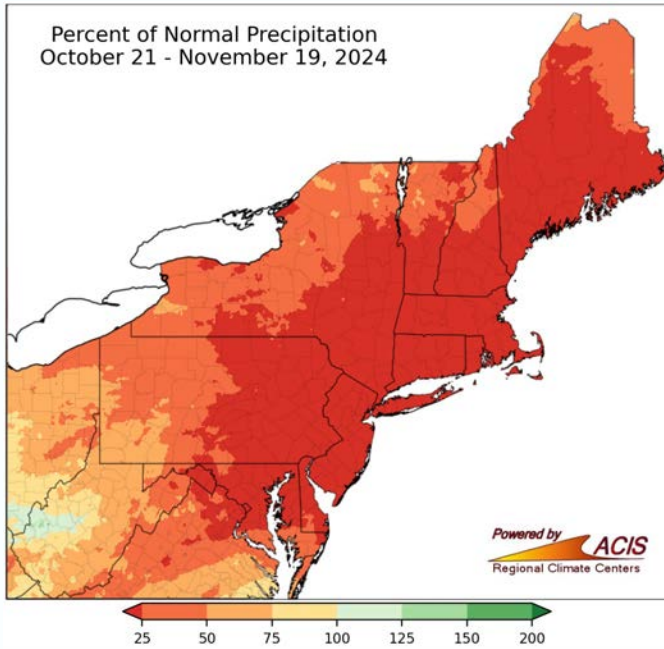
Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



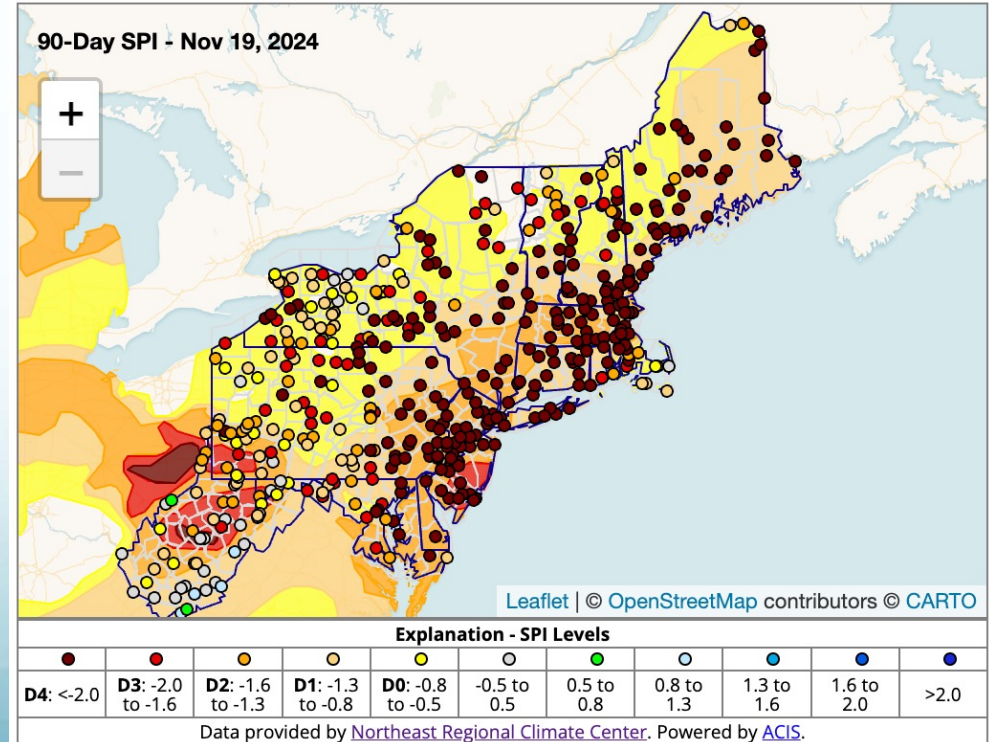
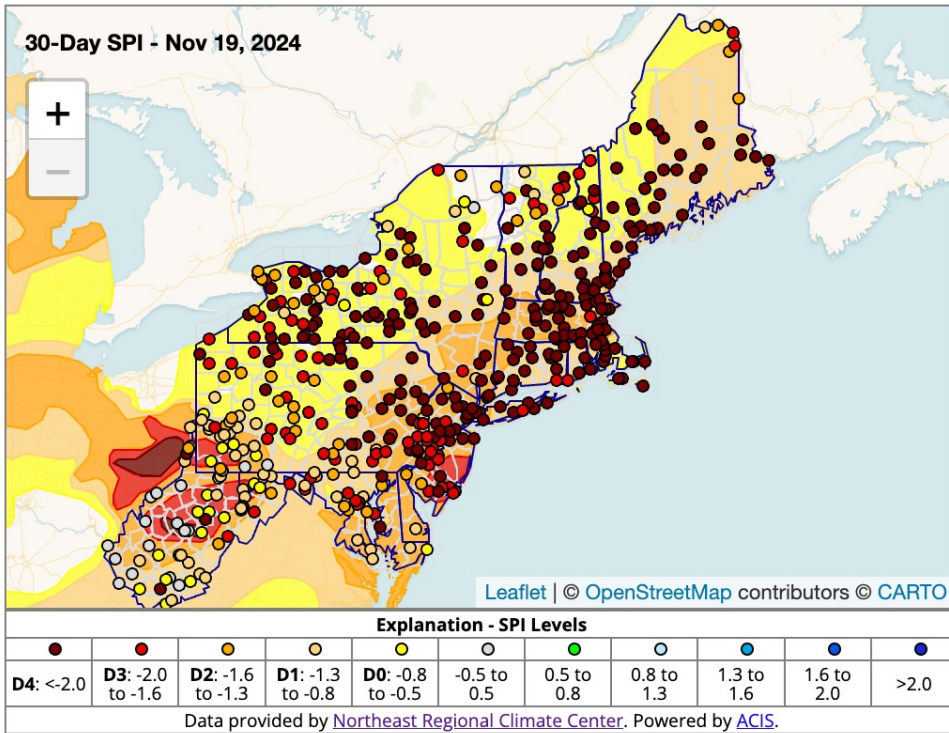
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Precipitation



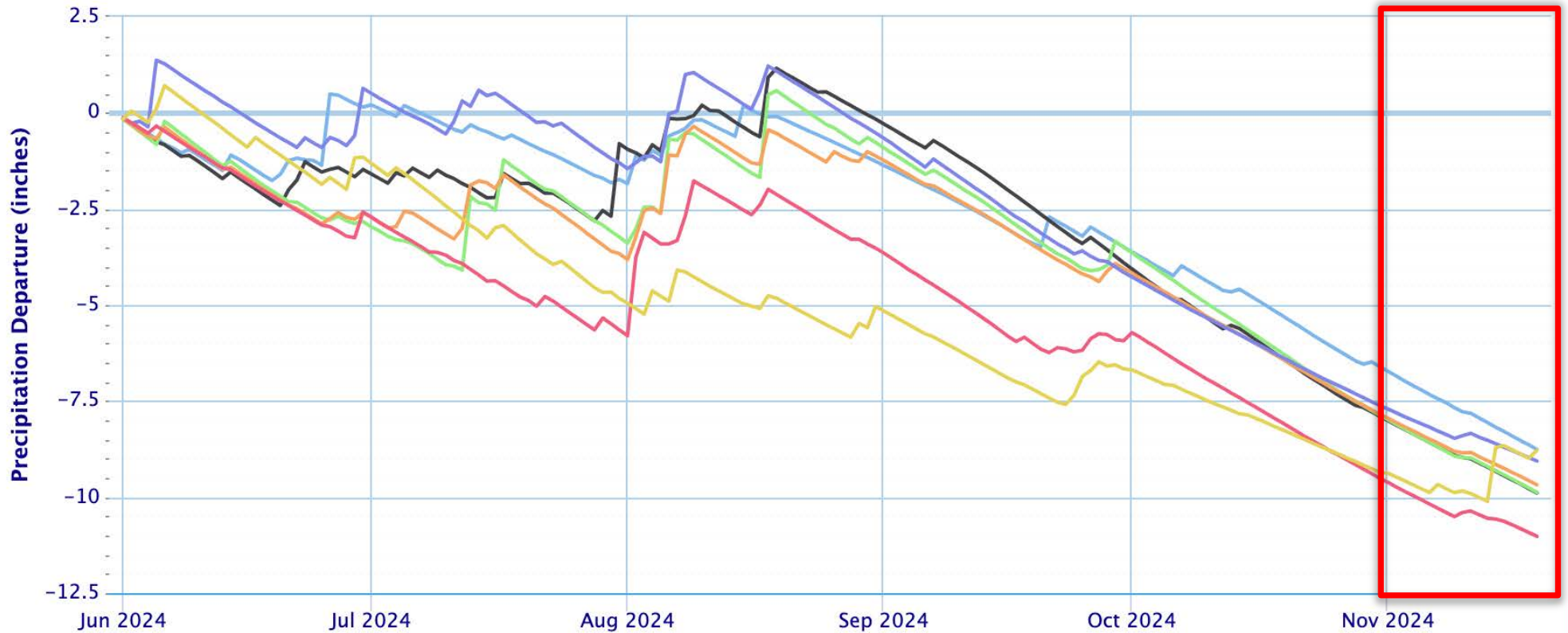
Standardized Precipitation Index



Precipitation

Accumulated Precipitation Departure from Normal

Green/black diamonds represent subsequent/missing values



(Click to hide/show lines)

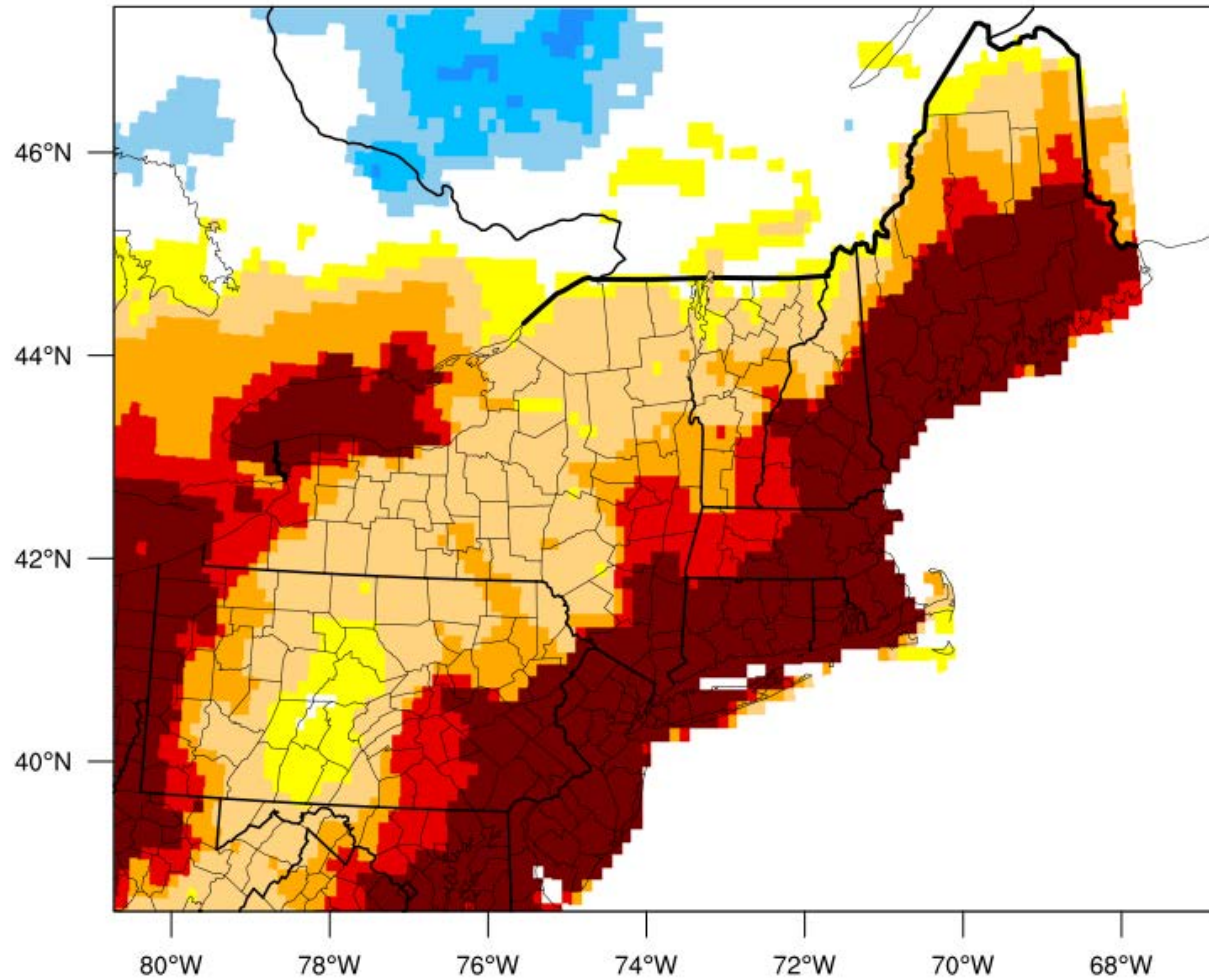
- Boston Area, MA (ThreadEx):Precip Dprt
- Hartford Area, CT (ThreadEx):Precip Dprt
- New York-Central Park Area, NY (ThreadEx):Precip Dprt
- Philadelphia Area, PA (ThreadEx):Precip Dprt
- Newark Area, NJ (ThreadEx):Precip Dprt
- Baltimore Area, MD (ThreadEx):Precip Dprt
- Charleston Area, WV (ThreadEx):Precip Dprt

Powered by ACIS



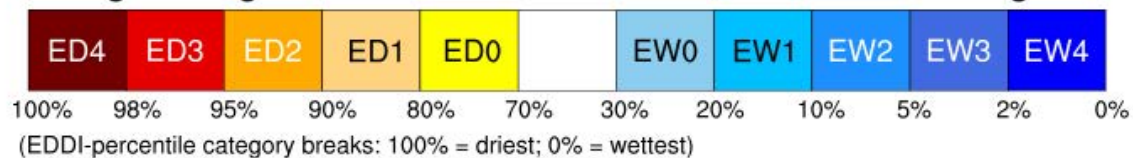
Evap. Demand Drought Index

2-week EDDI categories for November 14, 2024



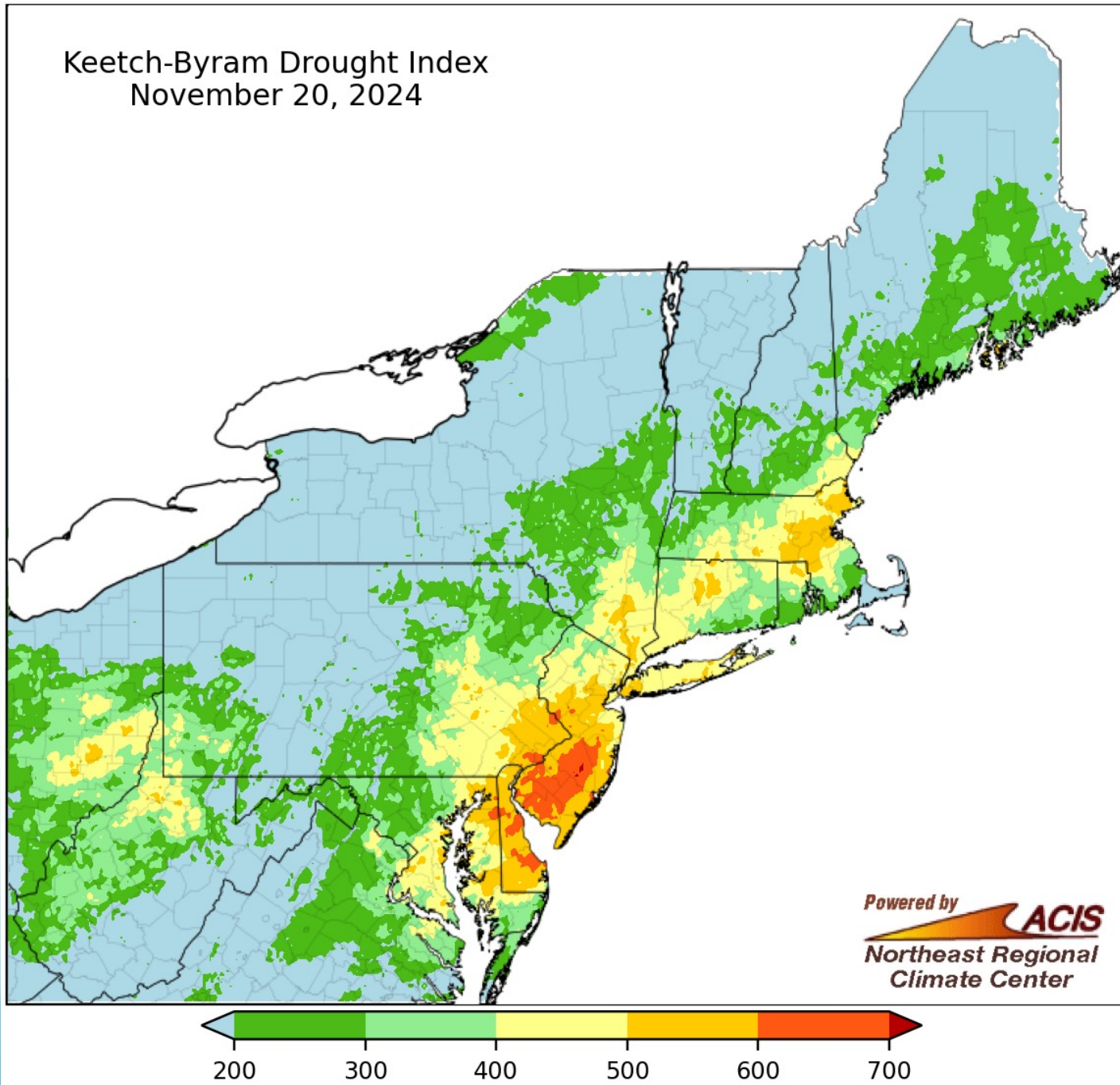
Drought categories

Wetness categories



Wildfire Risk

Keetch-Byram Drought Index
November 20, 2024



Drought Impacts - Fire

Town of Ellsworth among many communities in Maine to ban fires amid drought issues

WABI

Officials say Great Barrington will be battling the Butternut Fire for some time as wildfire overtakes more than 100 acres

WAMC Northeast Public Radio | By [Josh Landes](#)

Published November 19, 2024 at 5:18 PM EST

Smoke from MA fire noticed from Southington to New Haven

WFSB

Hundreds asked to evacuate in NY after wildfire breaches containment line

Windy conditions renewed a wildfire Saturday that escaped a containment line and prompted emergency officials to enact a voluntary evacuation plan for a community near the New York-New Jersey border

By The Associated Press • Published November 17, 2024 • Updated on November 17, 2024 at 3:07 pm



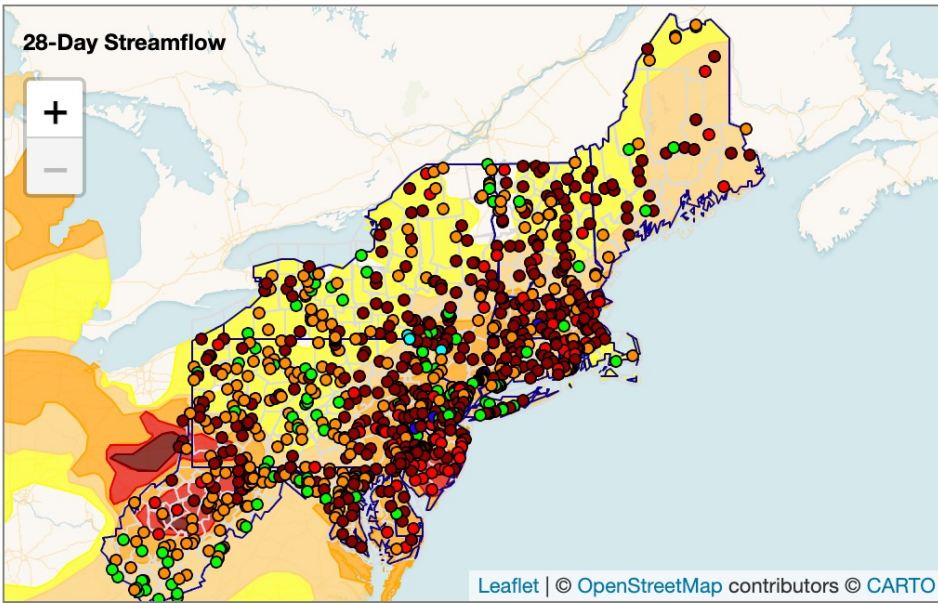
FDNY Commissioner announces new Brush Fire Task Force amid recent wildfires in New York City

By Eyewitness News

Sunday, November 17, 2024 2:00PM



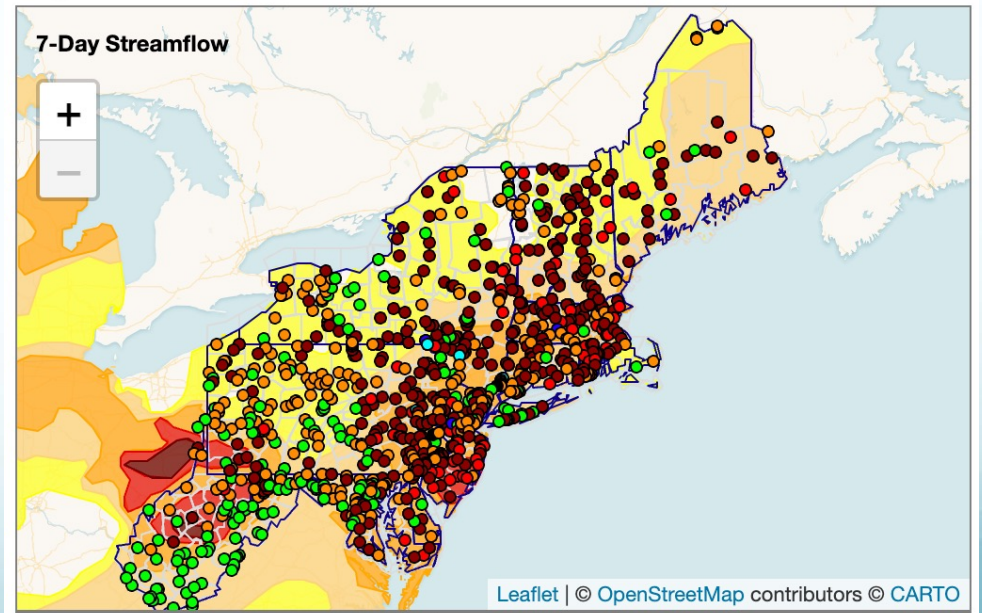
Streamflow



Explanation - Percentile Classes

	●	●	●	●	●	●
Low	Much below normal <10%	Below normal 10-24%	Normal 25-75%	Above normal 76-90%	Much above normal >90%	High

Data provided by [USGS WaterWatch - Streamflow](#); updated 2024-11-20.



Explanation - Percentile Classes

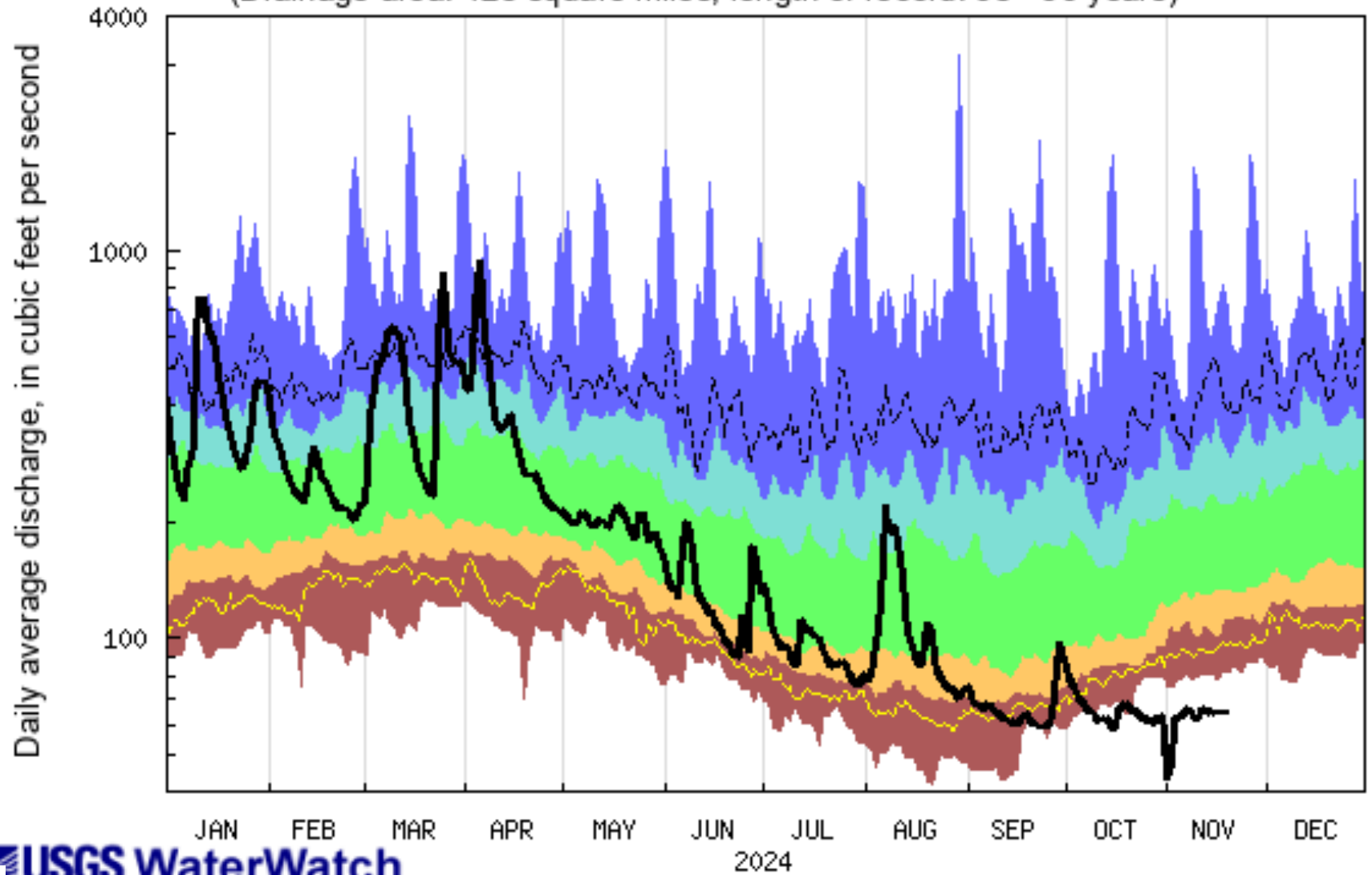
	●	●	●	●	●	●
Low	Much below normal <10%	Below normal 10-24%	Normal 25-75%	Above normal 76-90%	Much above normal >90%	High

Data provided by [USGS WaterWatch - Streamflow](#); updated 2024-11-20.



Streamflow

USGS 01408500 Toms River near Toms River NJ
(Drainage area: 123 square miles, length of record: 95 - 96 years)

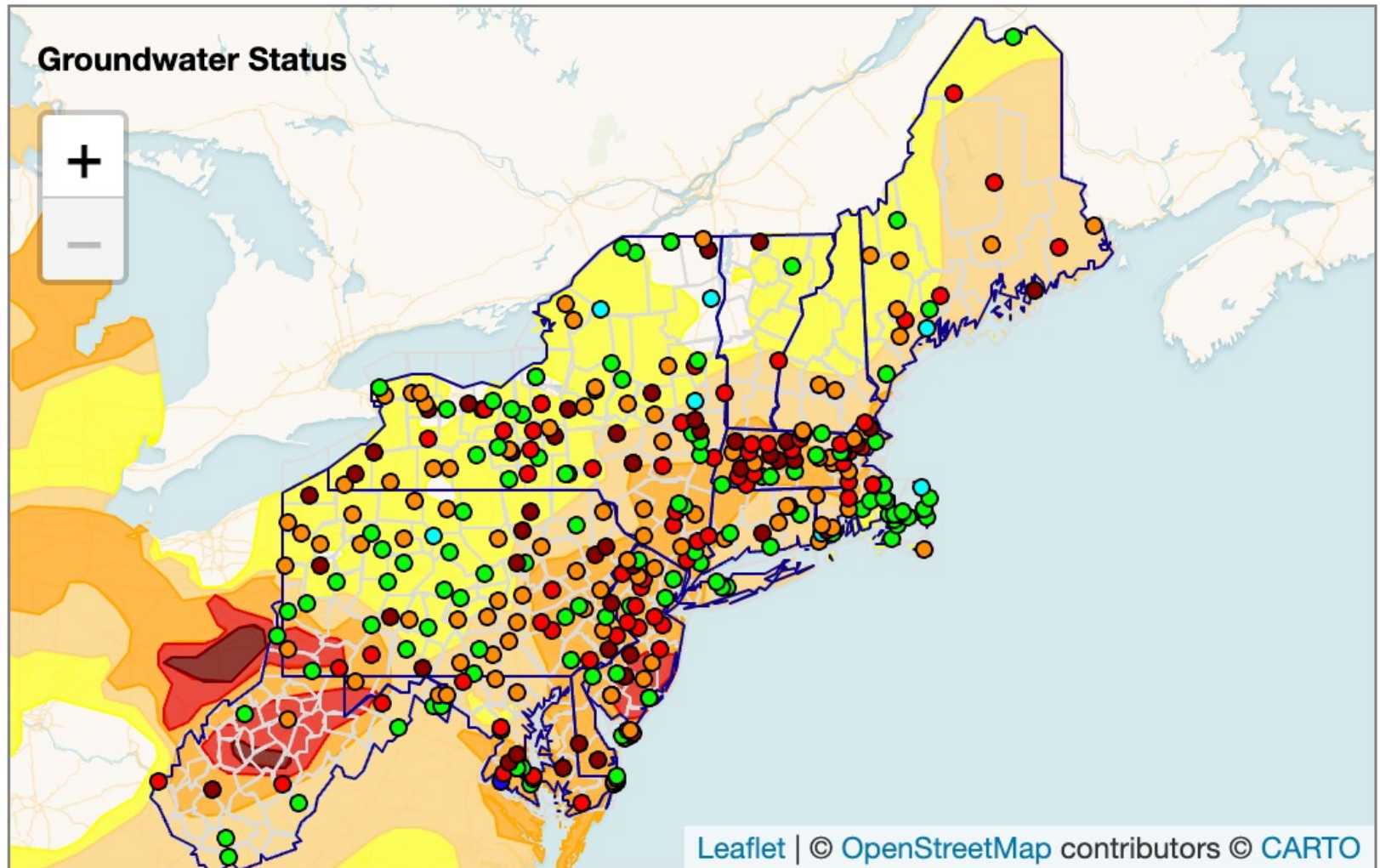


 USGS WaterWatch

Last updated: 2024-11-20



Groundwater



Explanation - Percentile Classes

Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High	
	<10%	10-24%	25-75%	76-90%	>90%		

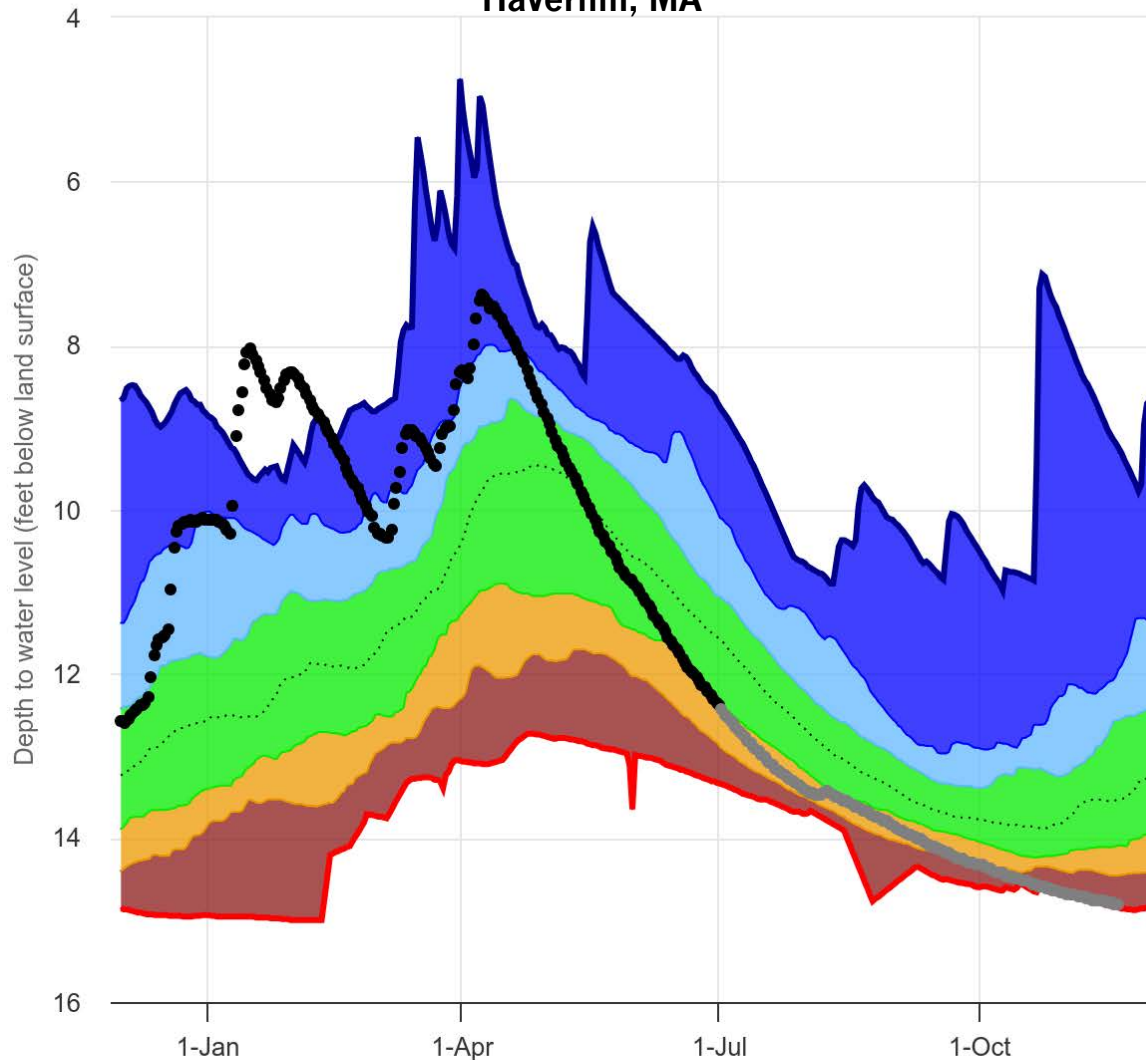
Data provided by [USGS Groundwater](#) - [About this map](#); updated 2024-11-20.



Groundwater

Groundwater Status

Haverhill, MA



- 2023-2024 (approved)
- 2023-2024 (provisional)
- Low
- <10th percentile
- 10-25th percentile
- 25-75th percentile
- 75-90th percentile
- >90th percentile
- High
- ⋯ Median



Drought Impacts - Water

NJ American Water customers under mandatory water conservation order

ZOE READ, WHYY NEWS | NOVEMBER 15, 2024 | [ENERGY & ENVIRONMENT, WATER](#)

[MONMOUTH COUNTY](#)

N.J. reservoir that supplies drinking water to 1.3M drops below half empty [NJ.com](#)

[MONROE COUNTY](#)

Wells drying up amid moderate drought conditions

PA - WNEP

Attleboro plans to import Rhode Island water to offset drought-stricken reservoirs

WFSB

Share



WCVB 5 abc

Updated: 4:50 PM EST Nov 12, 2024

Battling dry wells during CT's drought

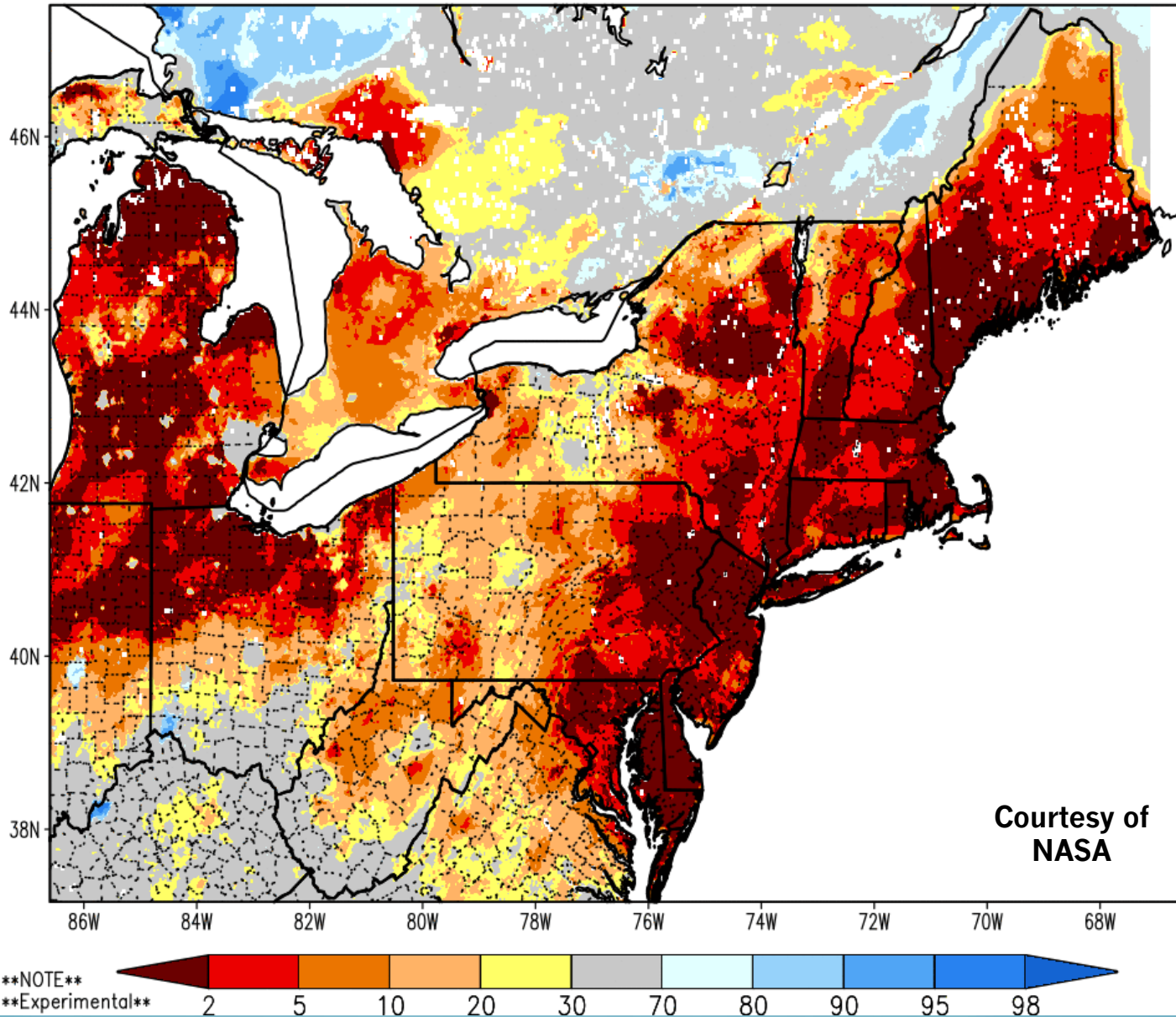
NYC concerned about low reservoir levels after months of little rain

By Michael Hill | The Associated Press • Published November 15, 2024 • Updated on November 15, 2024 at 9:08 pm



Soil Moisture

SPoRT-LIS 0-100 cm Soil Moisture percentile valid 20 Nov 2024



Drought Impacts - Agriculture

Drought in Northeastern and Central Pennsylvania affecting Christmas tree farms

Christmas trees planted this year are dying because of the drought in Massachusetts

WBZ NEWS

By **Samantha Chaney**
Updated on: November 14, 2024 / 6:11 AM EST / CBS Boston

Delmarva farmers struggle with drought as crop yields suffer

Coast TV/NBC

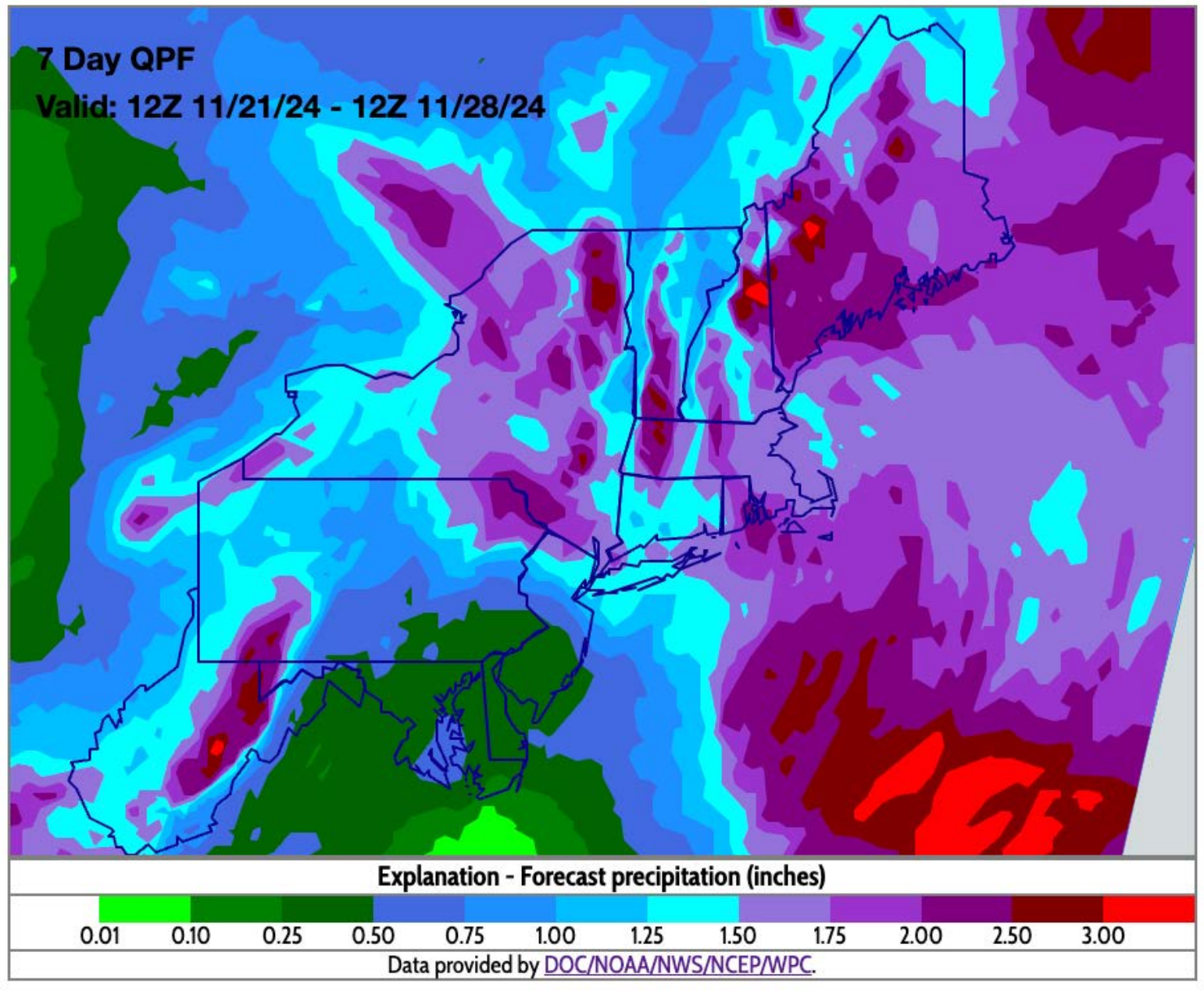
New Jersey drought puts stress on blueberry, cranberry harvests

©CBS NEWS NEW YORK

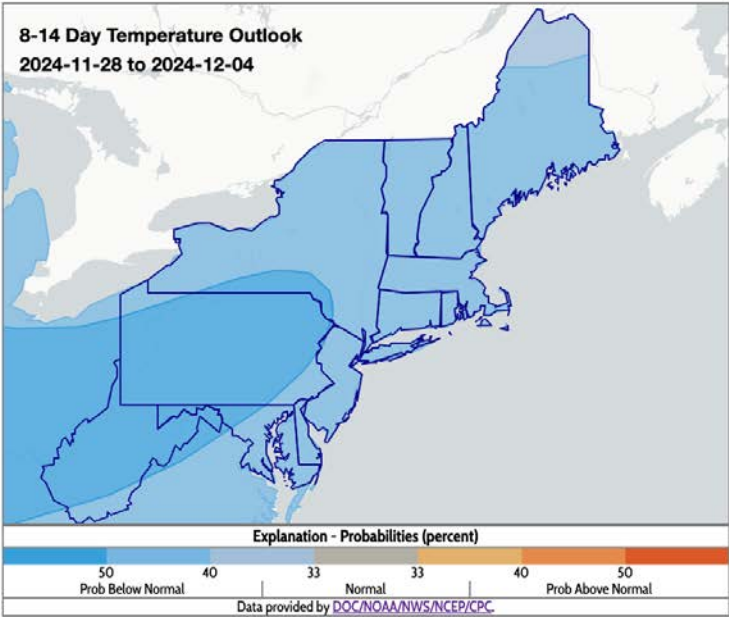
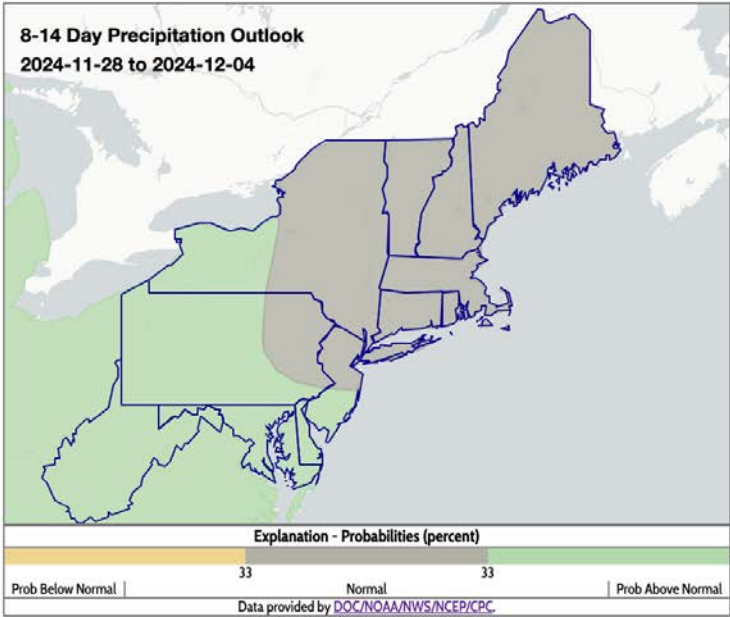
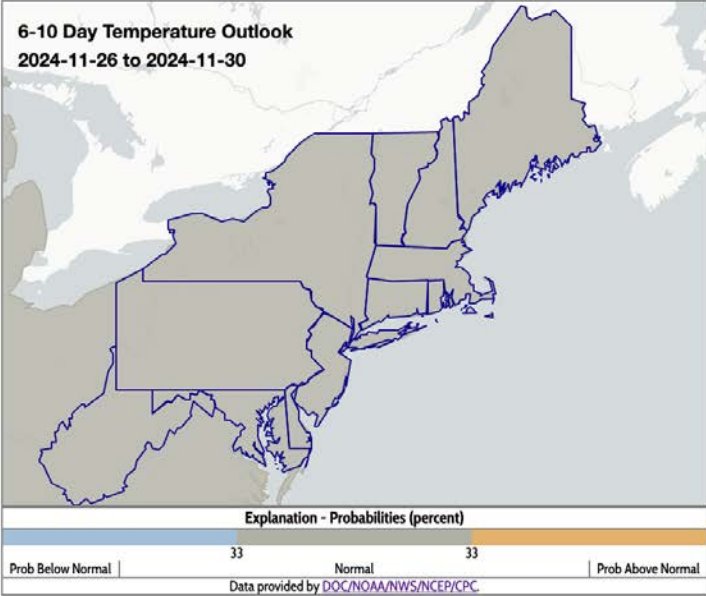
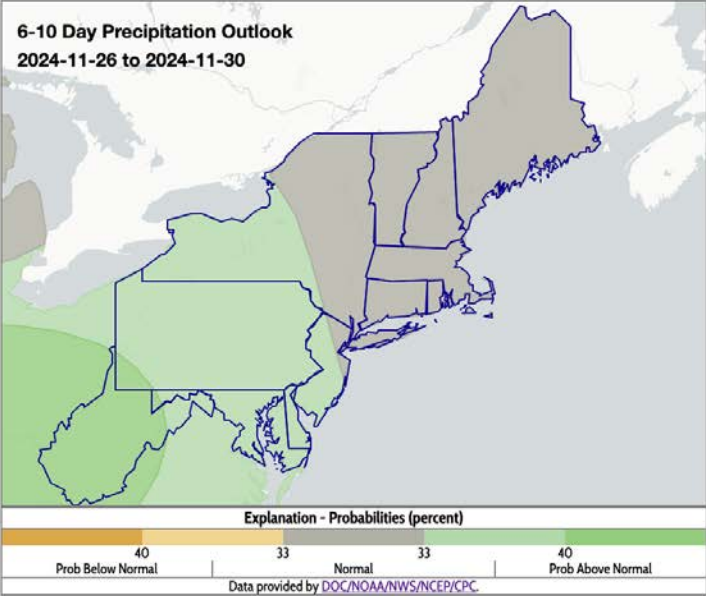
By **Vanessa Murdock**
November 7, 2024 / 8:00 PM EST / CBS New York



Precipitation Forecast



Short-term Outlooks



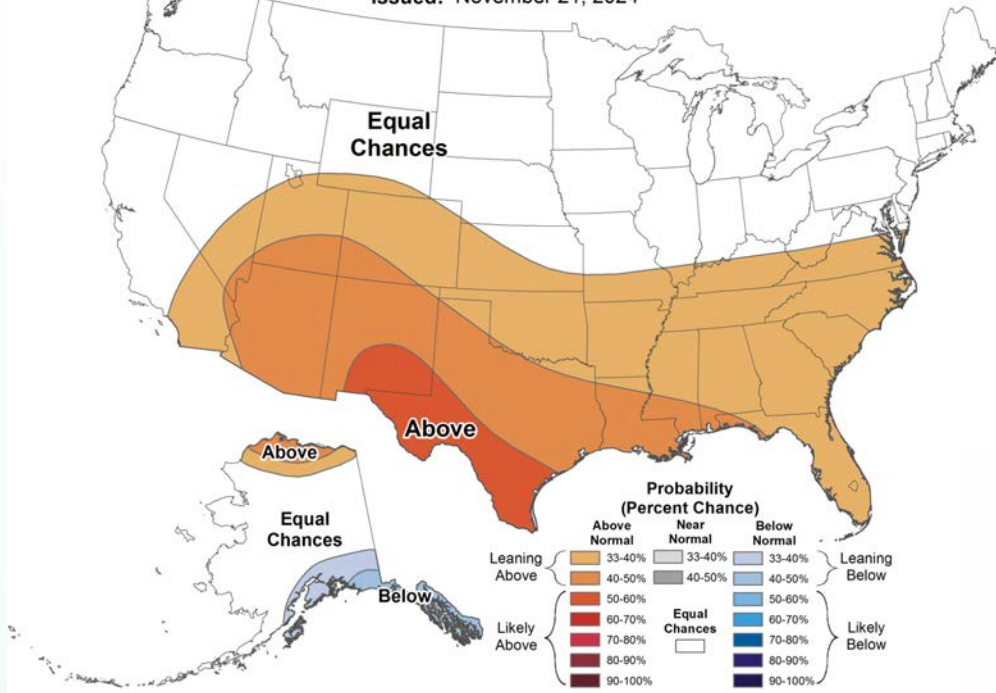
Monthly Outlooks



Monthly Temperature Outlook



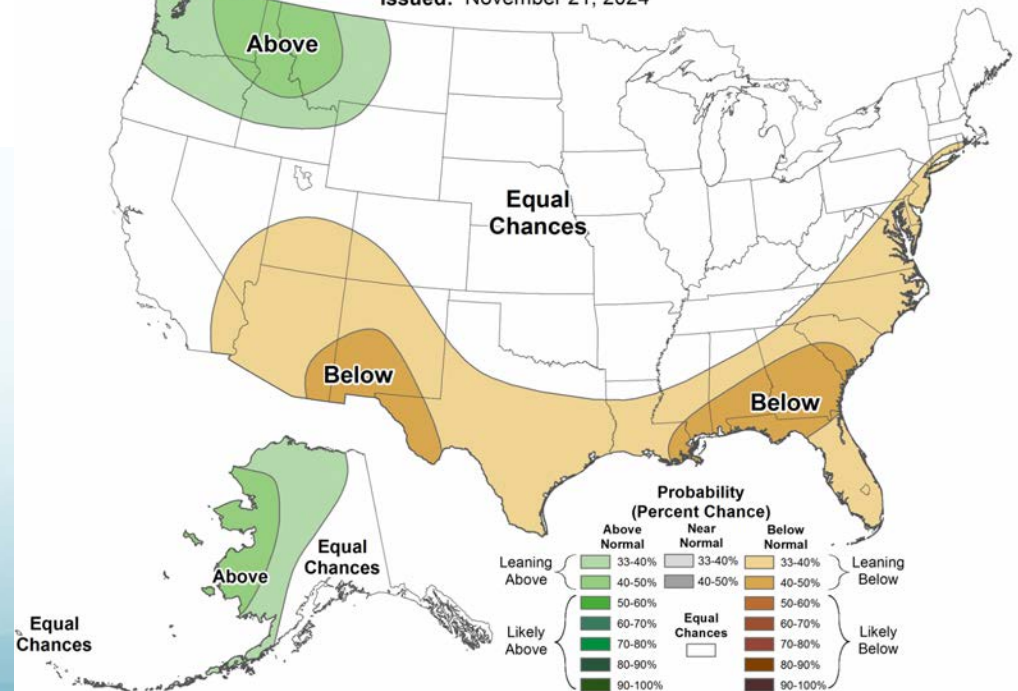
Valid: December 2024
Issued: November 21, 2024



Monthly Precipitation Outlook



Valid: December 2024
Issued: November 21, 2024



Seasonal Outlooks

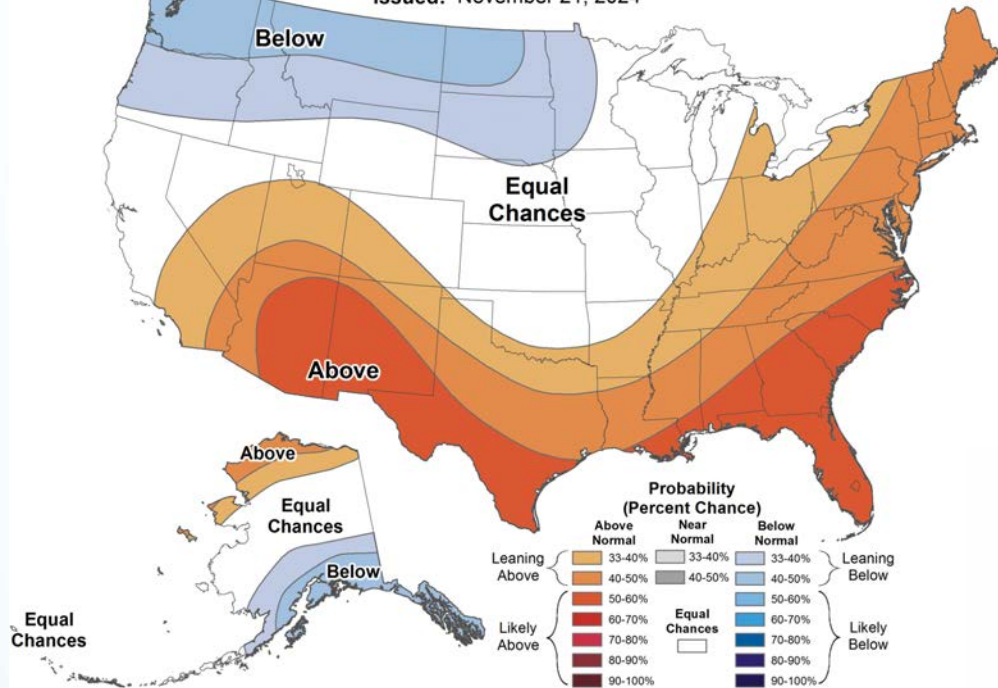


Seasonal Temperature Outlook



Valid: Dec-Jan-Feb 2024-25

Issued: November 21, 2024

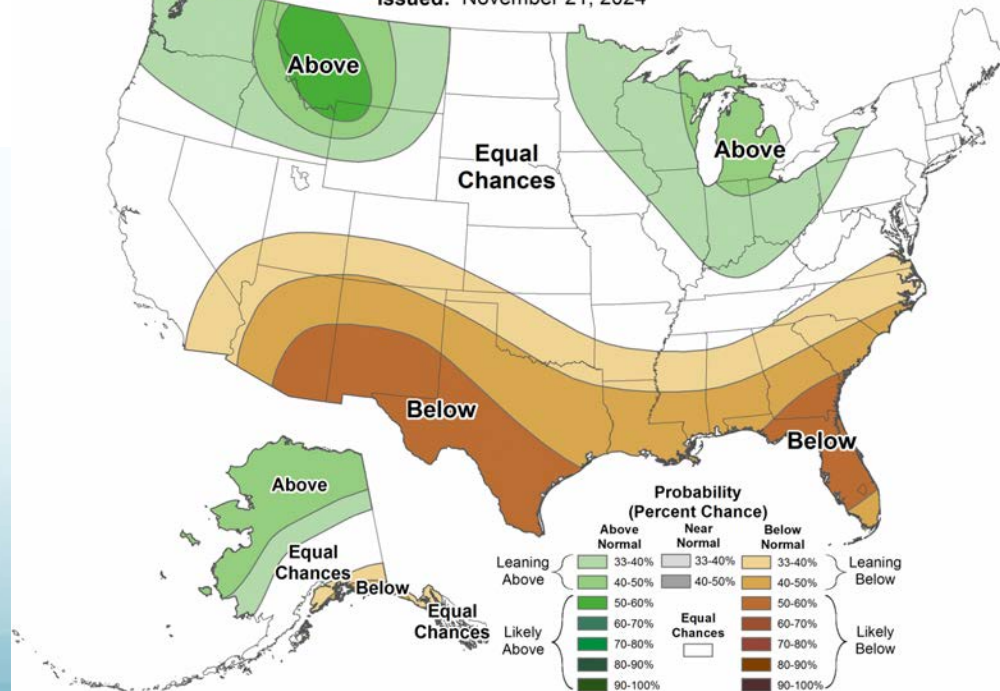


Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2024-25

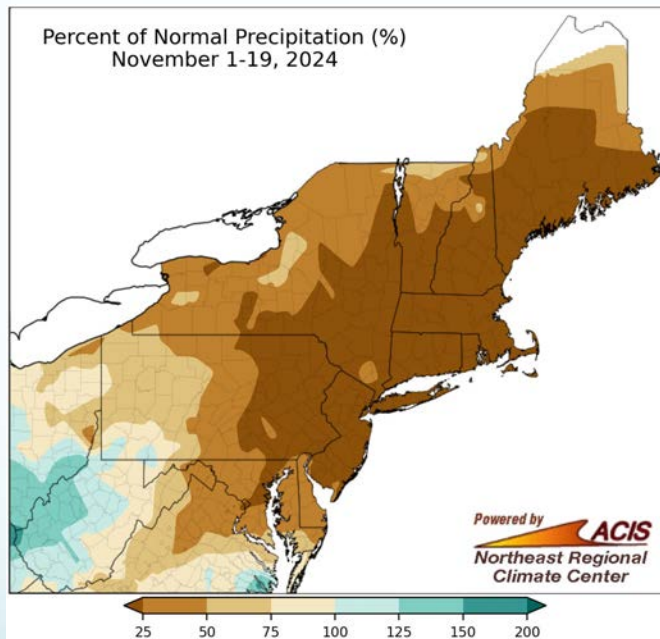
Issued: November 21, 2024



Summary

November-to-date conditions:

- Near- or above-normal temperatures
- Extremely dry month-to-date except in parts of West Virginia



Drought:

- Drought intensified in multiple areas; some relief in West Virginia and southwestern Pennsylvania
- Drought-related impacts on crops, water levels, fire risk, etc.

Outlooks:

- Beneficial precipitation over the next week could pause drought deterioration, or perhaps even slightly improve conditions, in some areas
- Below- or near-normal temperatures and near- or above-normal precipitation are favored for the entire region in the short-term periods
- Dec: equal chances temperatures; drier coastal areas
- Winter: above-normal temperatures; wetter interior



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, December 19 at 9:30am EST
 - ENSO & Winter Outlook
- Thursday, January 30 at 9:30am EST
 - TBD
- Thursday, February 27 at 9:30am EST
 - TBD



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