

# October Review & Northeast DEWS Discussion

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Northeast Regional Climate Center



Northeast Regional  
Climate Center



# October Temperatures



From more than 6°F below normal to 6°F above normal

# October Precipitation



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

# Remnants of Ian Rainfall



# Drought Monitor






## U.S. Drought Monitor Northeast

**September 27, 2022**  
(Released Thursday, Sep. 29, 2022)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	69.23	17.83	9.11	3.70	0.14	0.00
<b>Last Week</b> 09-20-2022	52.08	29.27	11.29	7.10	0.27	0.00
<b>3 Months Ago</b> 06-26-2022	70.69	21.85	7.46	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> 09-28-2021	90.30	6.56	2.35	0.80	0.00	0.00
<b>One Year Ago</b> 09-28-2021	90.30	6.56	2.35	0.80	0.00	0.00

Intensity:

 None	 D2 Severe Drought
 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought

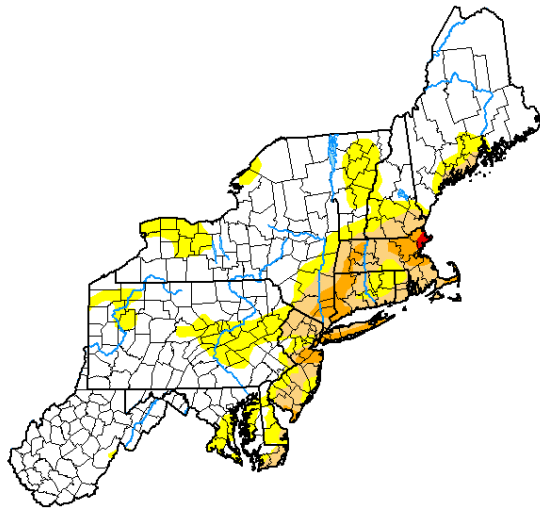
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Heim  
NCEI/NOAA



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)




## U.S. Drought Monitor Northeast

**October 25, 2022**  
(Released Thursday, Oct. 27, 2022)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
<b>Current</b>	81.30	16.44	1.89	0.37	0.00	0.00
<b>Last Week</b> 10-18-2022	84.49	10.89	4.17	0.44	0.00	0.00
<b>3 Months Ago</b> 07-26-2022	50.54	28.39	18.28	2.90	0.00	0.00
<b>Start of Calendar Year</b> 01-04-2022	84.91	12.92	1.32	0.85	0.00	0.00
<b>Start of Water Year</b> 09-28-2021	69.23	17.83	9.11	3.70	0.14	0.00
<b>One Year Ago</b> 10-26-2021	86.61	10.46	1.87	1.07	0.00	0.00

Intensity:

 None	 D2 Severe Drought
 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought

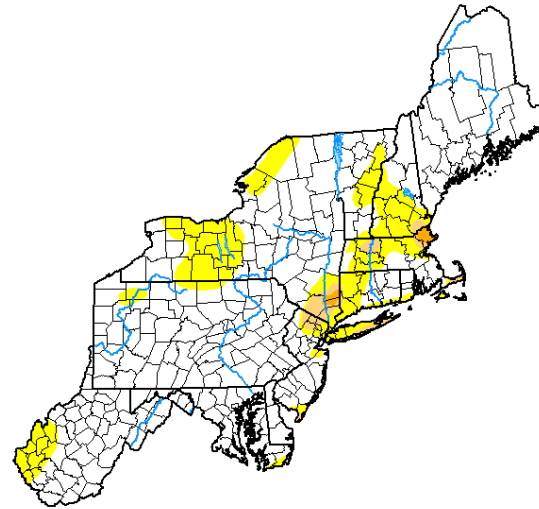
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Author:

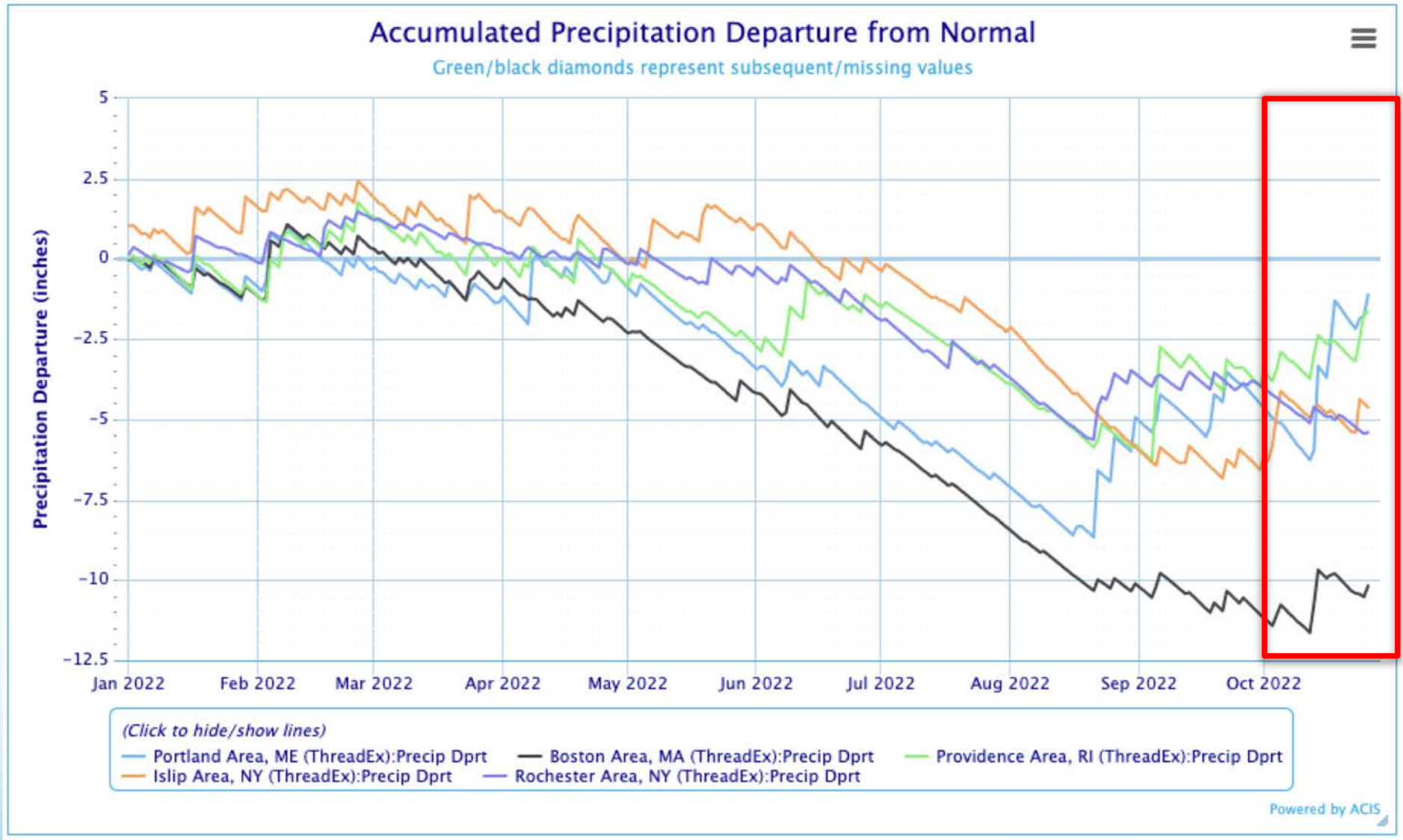
Adam Hartman  
NOAA/NWS/NCEP/CPC



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

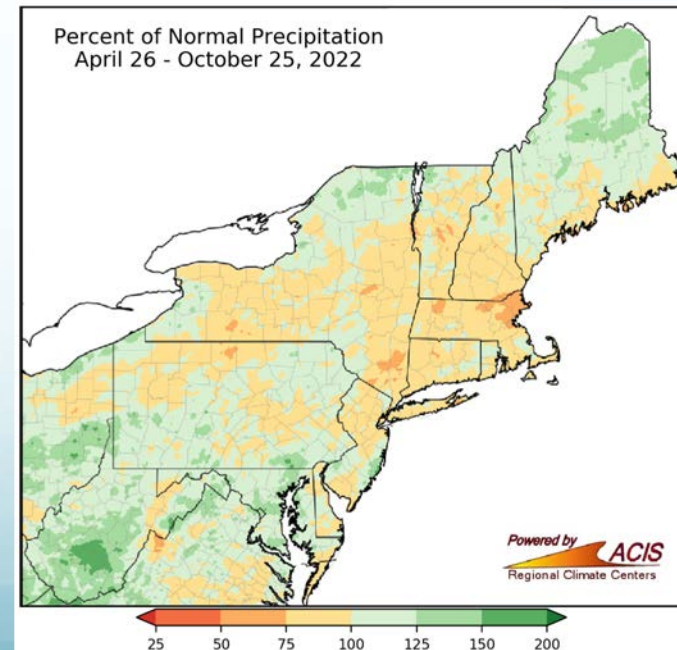
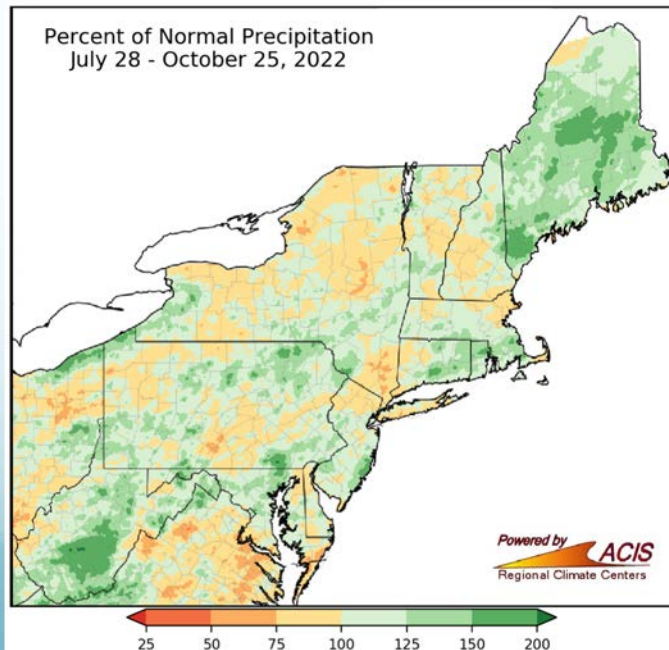
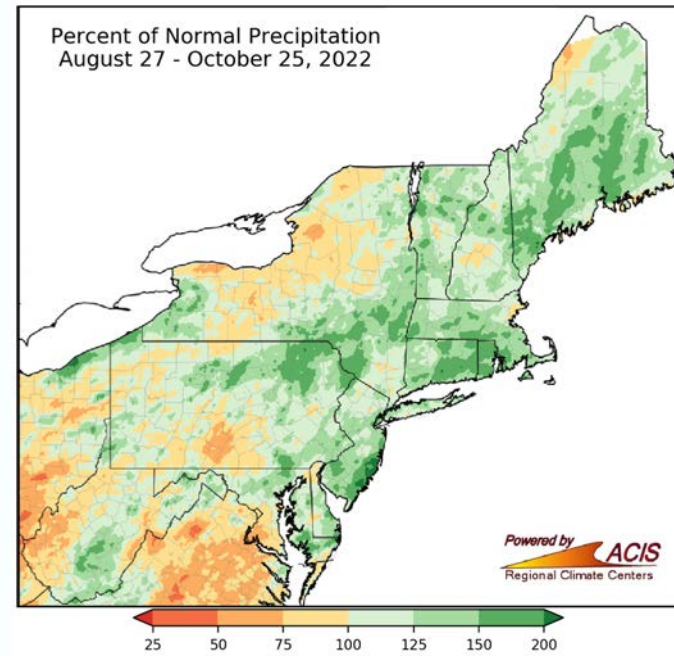
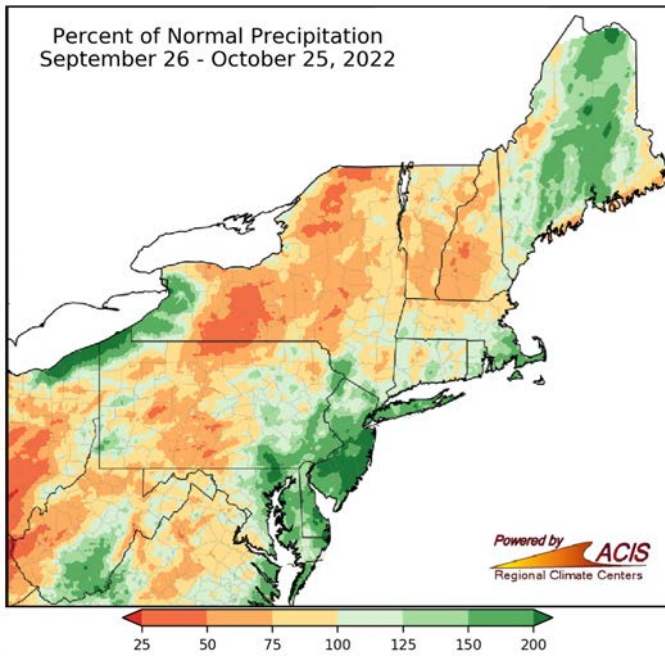


# Precipitation

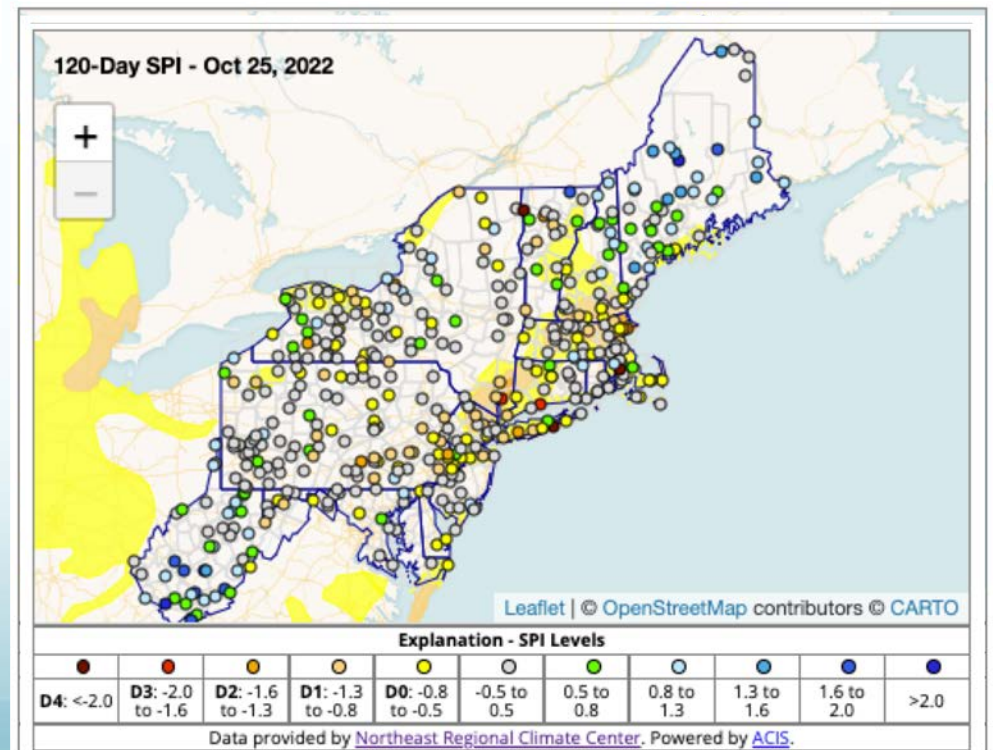
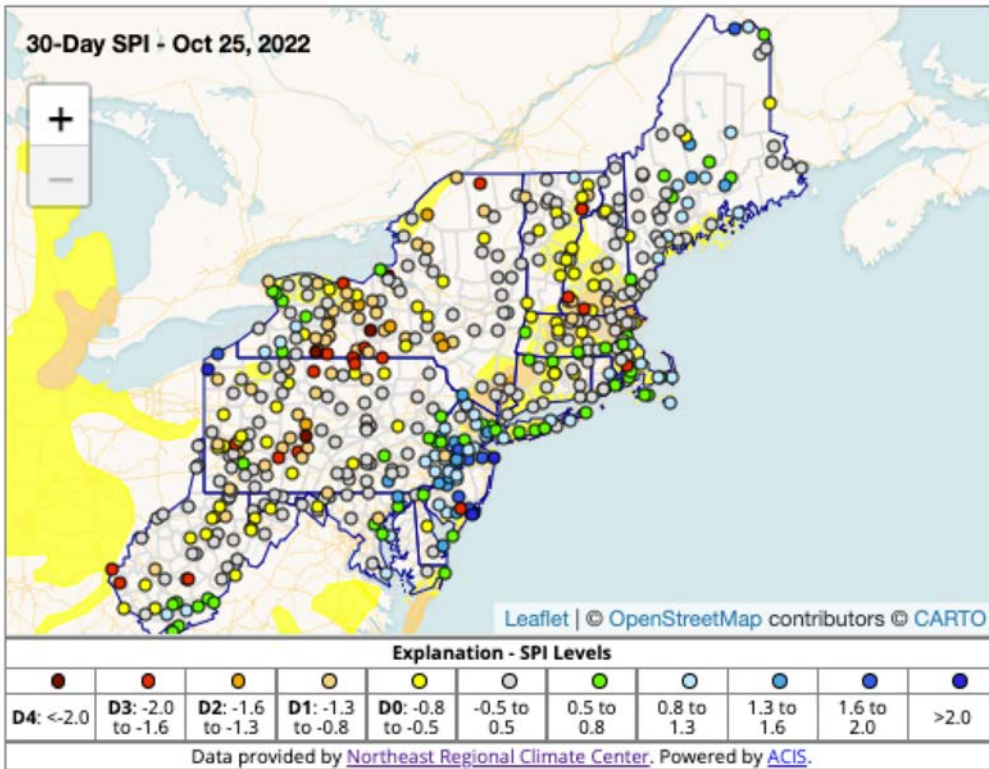




# Precipitation



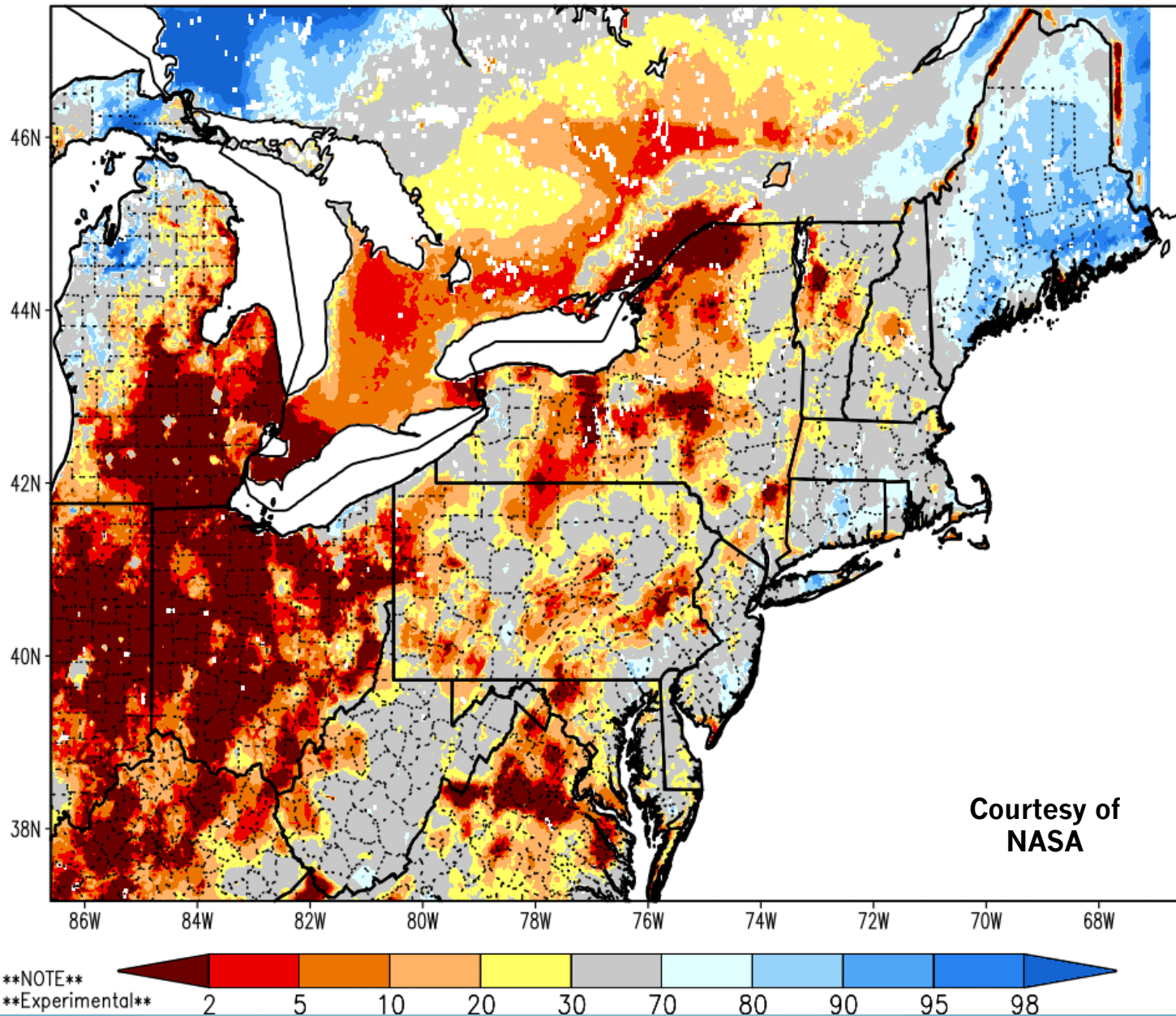
# Standardized Precipitation Index





# Soil Moisture

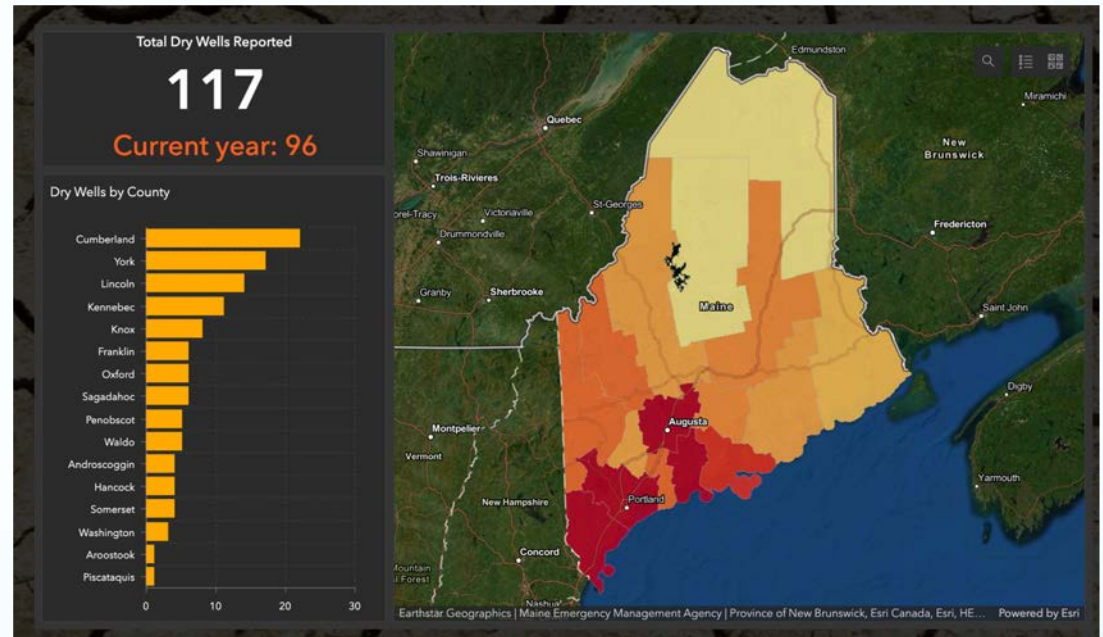
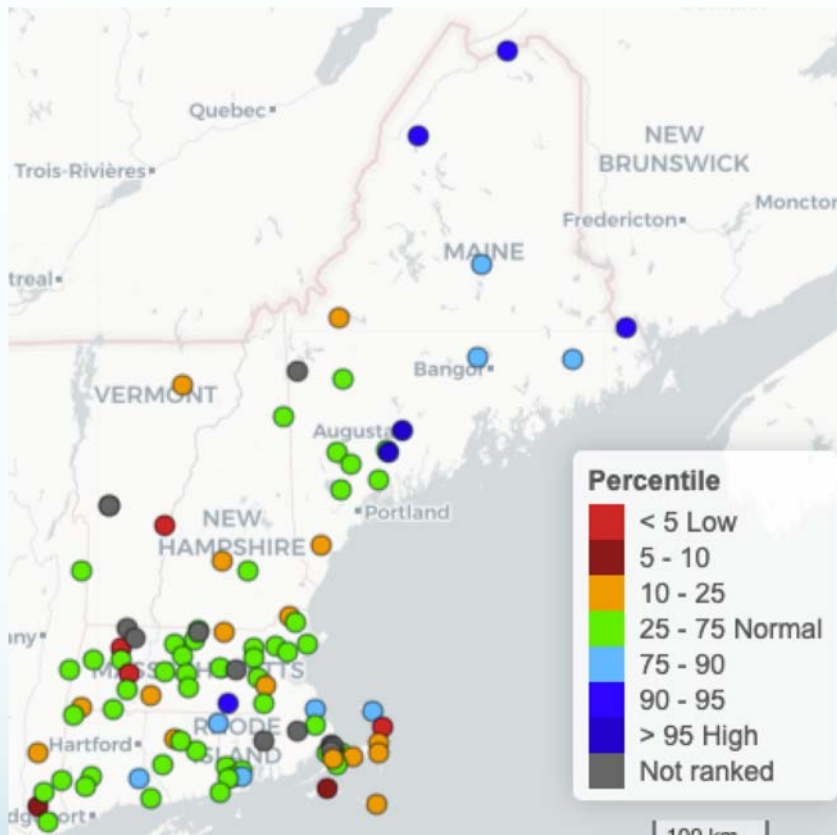
SPoRT-LIS 0-100 cm Soil Moisture percentile valid 27 Oct 2022



# Streamflow



# Groundwater



<https://maine-dry-well-survey-maine.hub.arcgis.com/>

Courtesy of [U.S. Geological Survey New England Water Science Center](#)





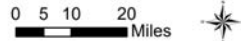
# Drought Impacts

## Reported Water Use Restrictions

Last Update: 10/20/2022

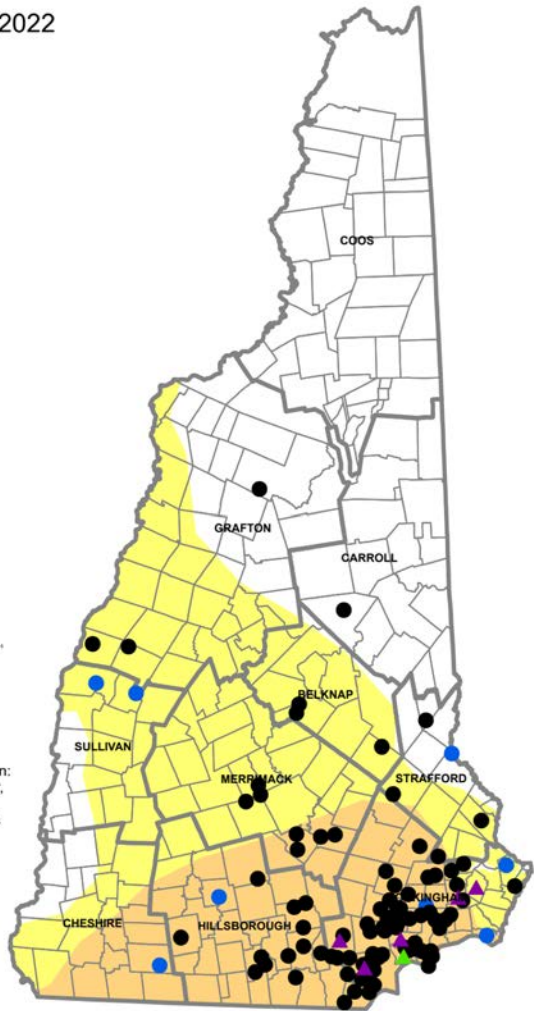
### Legend

-  County Boundary
-  Town Boundary
- Drought Condition**
-  Abnormally Dry
-  Moderate Drought
-  Severe Drought
-  Extreme Drought
- Municipality Status**
-  Voluntary Restriction
-  Mandatory Restriction
- Water System Status**
-  Voluntary Restriction
-  Mandatory Restriction



Drought conditions based on United States Drought Monitor <https://droughtmonitor.unl.edu/>  
Produced by a partnership between: National Drought Mitigation Center, U.S. Department of Agriculture, & National Oceanic and Atmospheric Administration

Disclaimer: The status of water use restrictions is based on information submitted to the New Hampshire Department of Environmental Services and may not be comprehensive.



List of water suppliers employing non-essential water restrictions as of October 17, 2022

	PWS ID	Name	County (sorted)	Restriction Type	Within Susq. R. Basin	Within Del. R. Basin
1	6120001	DRIFTWOOD BORO	Cameron	Voluntary	Y	N
2	3130012	PALMERTON MUNI WATER AUTH	Carbon	Voluntary	N	Y
3	6170052	BCI MUNI AUTH	Clearfield	Voluntary	Y	N
4	4180048	LOCK HAVEN CITY AUTH MCELHATTA	Clinton	Voluntary	Y	N
5	4180055	PORTER TWP MUNI AUTH	Clinton	Mandatory	Y	N
6	4180059	SOUTH RENOVO WATER STS	Clinton	Voluntary	Y	N
7	2408001	HAZLETON CITY AUTH	Luzerne	Mandatory	Y	Y
8	3540011	MAHANOEY TWP AUTH	Luzerne	Voluntary	Y	N
9	4410187	WATERVILLE WATER ASSN	Lycoming	Voluntary	Y	N
10	4410156	JERSEY SHORE AREA JT WATER AUTH	Lyoming	Voluntary	Y	N
11	3480038	PA AMER WATER CO BANGOR DIST	Northampton	Voluntary	N	Y
12	7500019	DUNCANNON WATER SYS	Perry	Voluntary	Y	N
13	6530010	GALETON BORO WATER AUTH	Potter	Voluntary	Y	N
14	3540045	TOWER CITY BORO AUTH	Schuylkill	Voluntary	Y	N

Courtesy of Pennsylvania Dept. of Environmental Protection



# Precipitation Forecast





# Short-term Outlooks



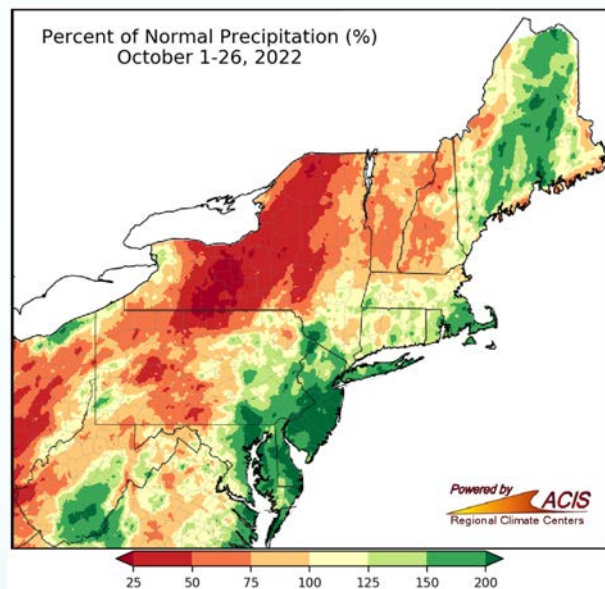
# Monthly & 3-Month Outlooks



# Summary

## October-to-date conditions:

- Below-or near-normal temperatures in the Mid-Atlantic but near- or above-normal temperatures in New England and NY
- Below-normal precipitation inland; above-normal precipitation coastal – Hurricane Ian's remnants



## Drought:

- Rainfall continued to ease drought and abnormal dryness for most areas
- Drier in upstate NY and southwestern WV leading to expansion of abnormal dryness

## Outlooks:

- Short-term outlooks: below or near-normal precipitation and above-normal temperatures favored for both time periods
- November and November-January: equal chances of below-, near-, or above-normal precipitation for both time periods; above-normal temperatures favored for New England and eastern New York for Nov and for coastal areas, particularly New England, for Nov-Jan



# Contact Information

- [nrcc@cornell.edu](mailto:nrcc@cornell.edu)

## Upcoming Webinars

- Tuesday, November 29 at 9:30am EST
  - ENSO Update and Winter Outlook
- Thursday, December 15 at 9:30am EST
  - Massachusetts Drought Dashboard
- Tuesday, January 31 at 9:30am EST
  - Climate Mapping for Resilience and Adaptation Tool



[www.nrcc.cornell.edu](http://www.nrcc.cornell.edu)