

# October Review & Northeast DEWS Discussion

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Northeast Regional  
Climate Center



# October 1-3 Record Temps

Oct. 1, 2019 Maximum Temperatures (°F)		
Station	Max Temp	Oct. Rank (hottest)
Huntington, WV	95	1
Beckley, WV	91	1
Elkins, WV	90	1
Erie, PA	89	1
Syracuse, NY	88	1
Binghamton, NY	82	2
Charleston, WV	93	top 10
Rochester, NY	88	top 10

Oct. 3, 2019 Maximum Temperatures (°F)		
Station	Max Temp	Oct. Rank (hottest)
Huntington, WV	95	1
Beckley, WV	91	1
Elkins, WV	90	1
Charleston, WV	94	3

Oct. 2, 2019 Maximum Temperatures (°F)		
Station	Max Temp	Oct. Rank (hottest)
Washington National, DC	98	1
Wilmington, DE	98	1
Baltimore, MD	98	1
Atlantic City, NJ	96	1
Newark, NJ	96	1
Dulles Airport, VA	96	1
Kennedy Airport, NY	95	1
LaGuardia Airport, NY	95	1
Allentown, PA	93	1
Islip, NY	89	1
Philadelphia, PA	95	2
Huntington, WV	94	2
Central Park, NY	93	2
Beckley, WV	89	2
Elkins, WV	88	2
Bridgeport, CT	87	2
Harrisburg, PA	93	3

Oct. 1, 2019 Minimum Temperature Records (°F)		
Station	New	Oct. Rank (hottest)
Erie, PA	72	1
Beckley, WV	68	1
Rochester, NY	68	2
Huntington, WV	70	3

Oct. 2, 2019 Minimum Temperature Records (°F)		
Station	New	Oct. Rank (hottest)
Dulles Airport, VA	69	3
Allentown, PA	68	5
Washington National, DC	73	top 10
Baltimore, MD	72	top 10
Atlantic City, NJ	70	top 10
Philadelphia, PA	70	top 10
Pittsburgh, PA	69	top 10
Harrisburg, PA	68	top 10
Beckley, WV	64	top 10

Oct. 3, 2019 Minimum Temperature Records (°F)		
Station	New	Oct. Rank (hottest)
Dulles Airport, VA	72	2
Washington National, DC	73	top 10
Beckley, WV	65	top 10

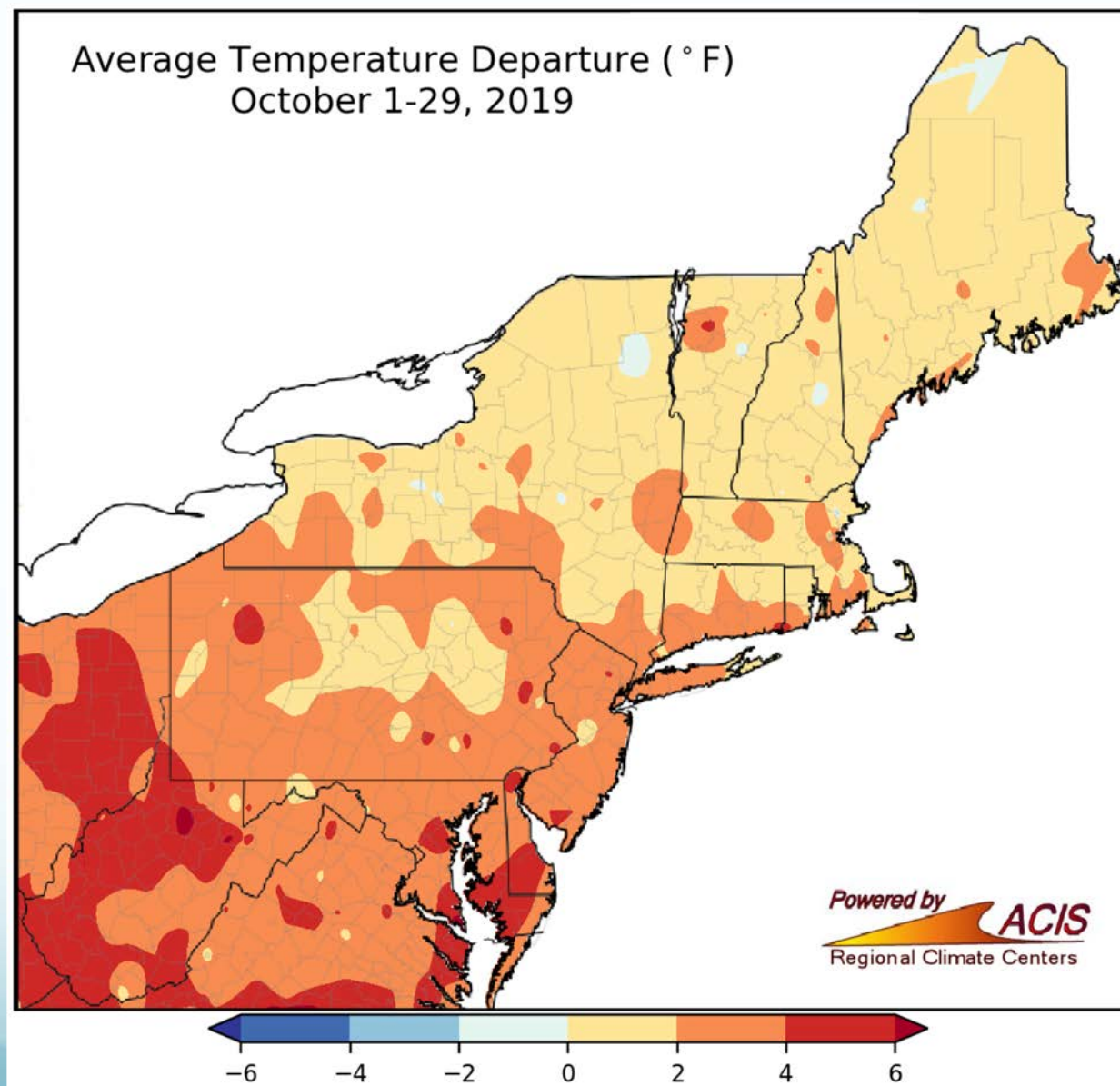
15 major climate sites had hottest October day on record

First time on record that Beckley and Elkins had a 90°F day in October & latest in the calendar year that either site had a 90°F day

Minimum temperatures ranked as the hottest on record for October in Erie and Beckley

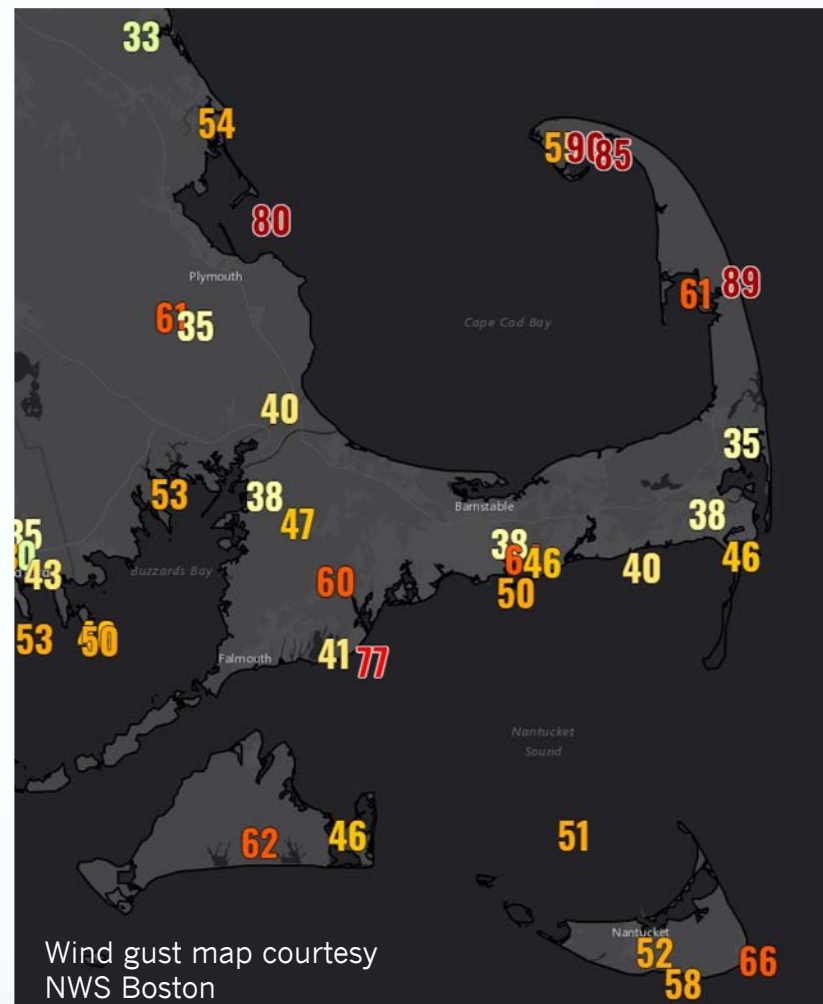
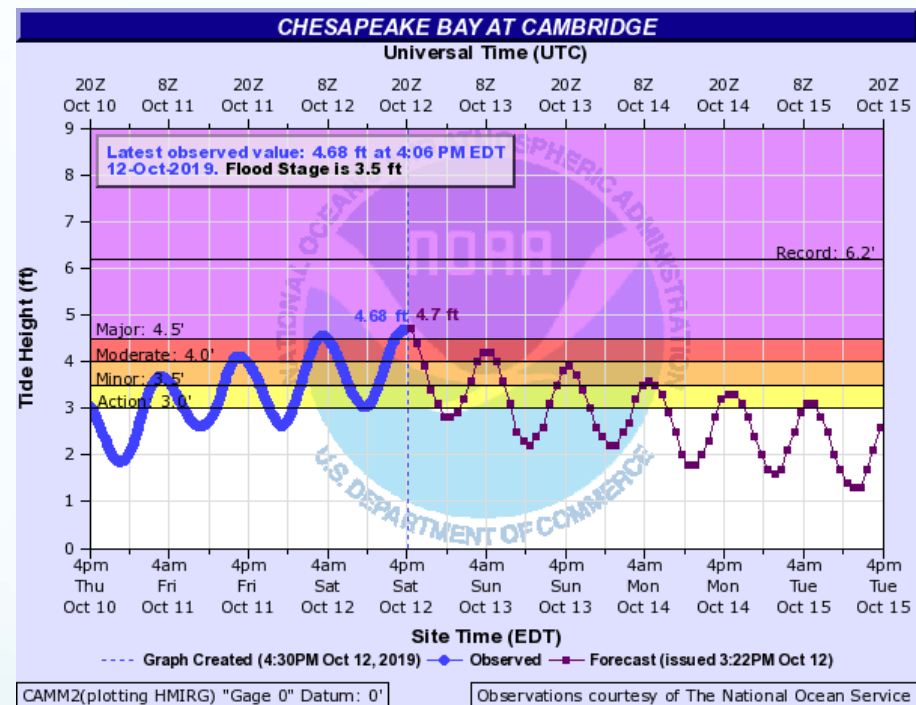


# October Temperatures



From near normal to 6°F above normal

# October Coastal Storms



Oct 8-12: Major tidal flooding for few sites along Chesapeake Bay

Oct 16-17:

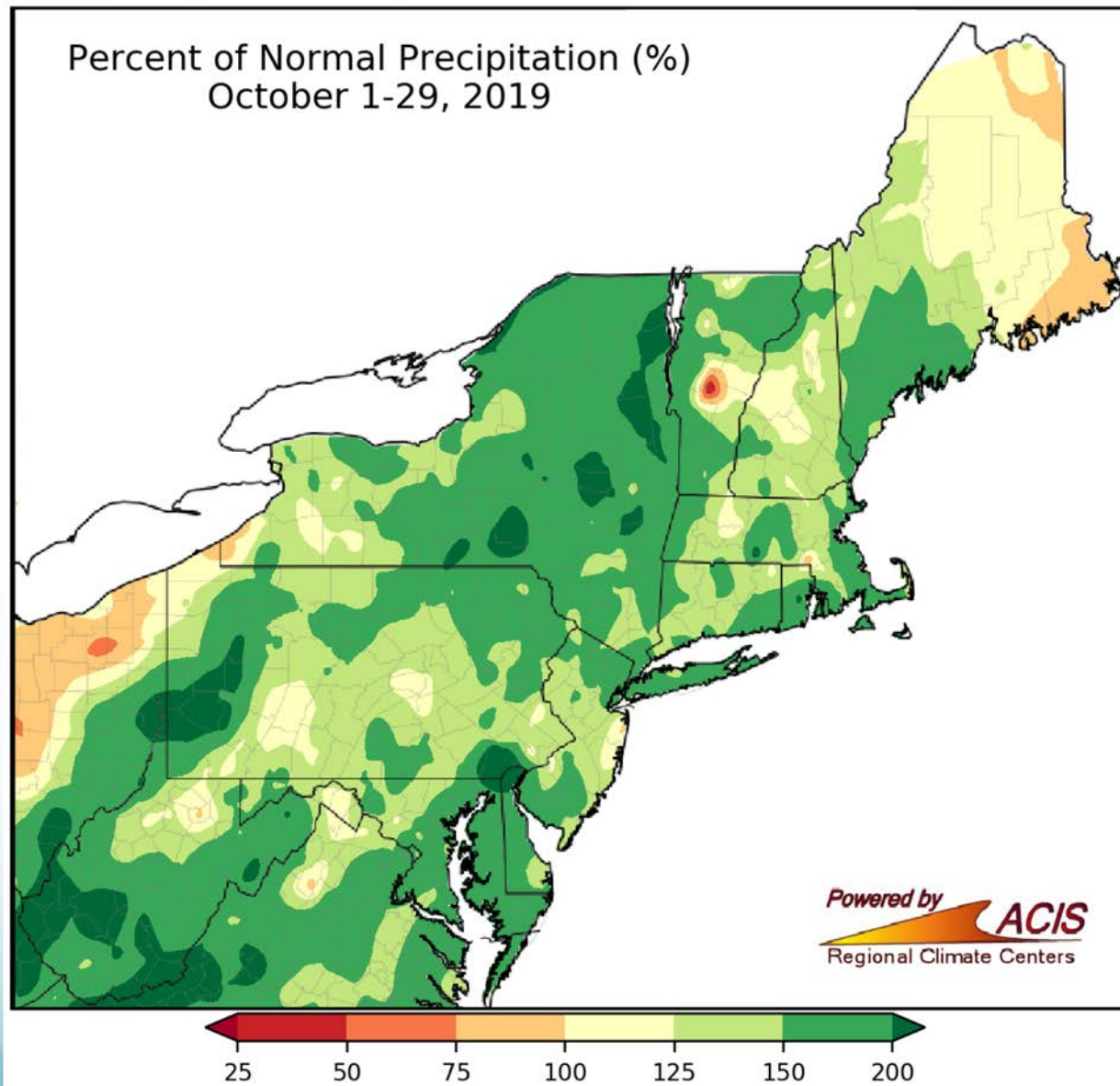
- Lowest October sea level pressure - Boston, Hartford, Providence, & Portland
- Wind gusts to 90 mph; 400,000+ customers lost power in Mass./Maine
- Rain totals of 4-6"

Oct 20-21: remnants of T.S. Nestor brought wind/rain to southeastern part of region





# October Precipitation



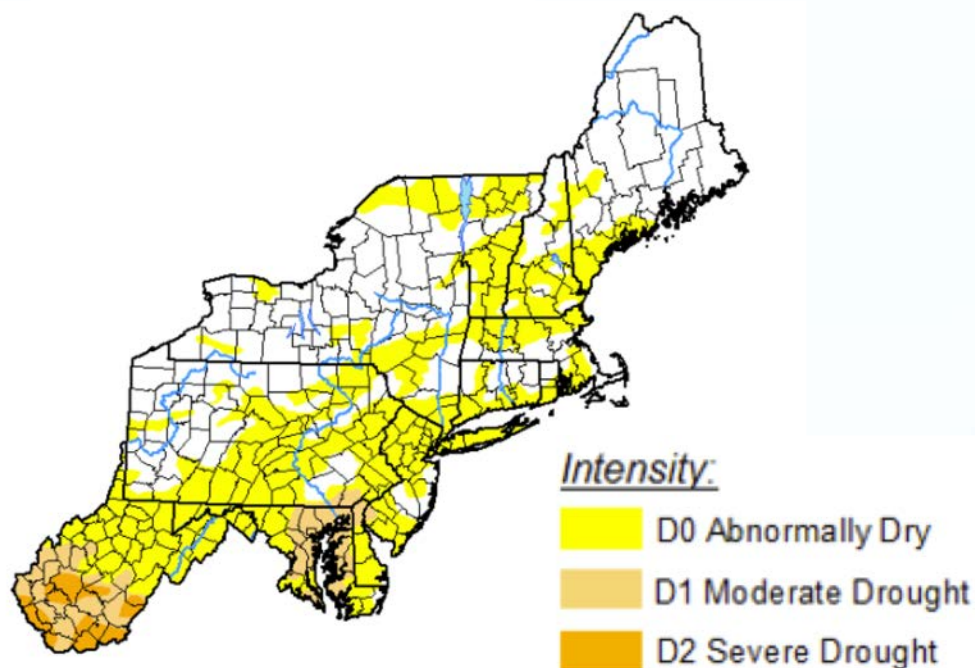
From 75% of normal to more than 200% of normal

# Drought Monitor

**October 1, 2019**

*(Released Thursday, Oct. 3, 2019)*

Valid 8 a.m. EDT

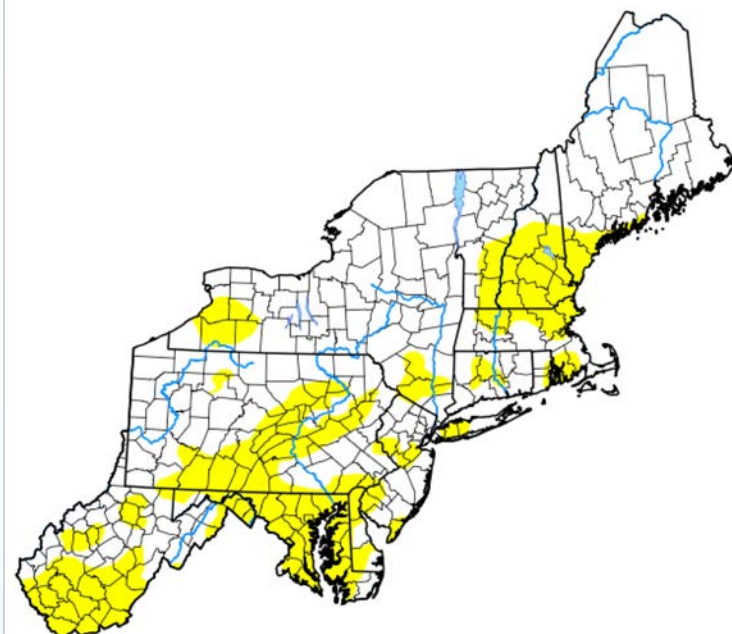


At the beginning of October,  
43% of the region was  
abnormally dry and 8% was  
in moderate or severe  
drought

**October 29, 2019**

*(Released Thursday, Oct. 31, 2019)*

Valid 8 a.m. EDT



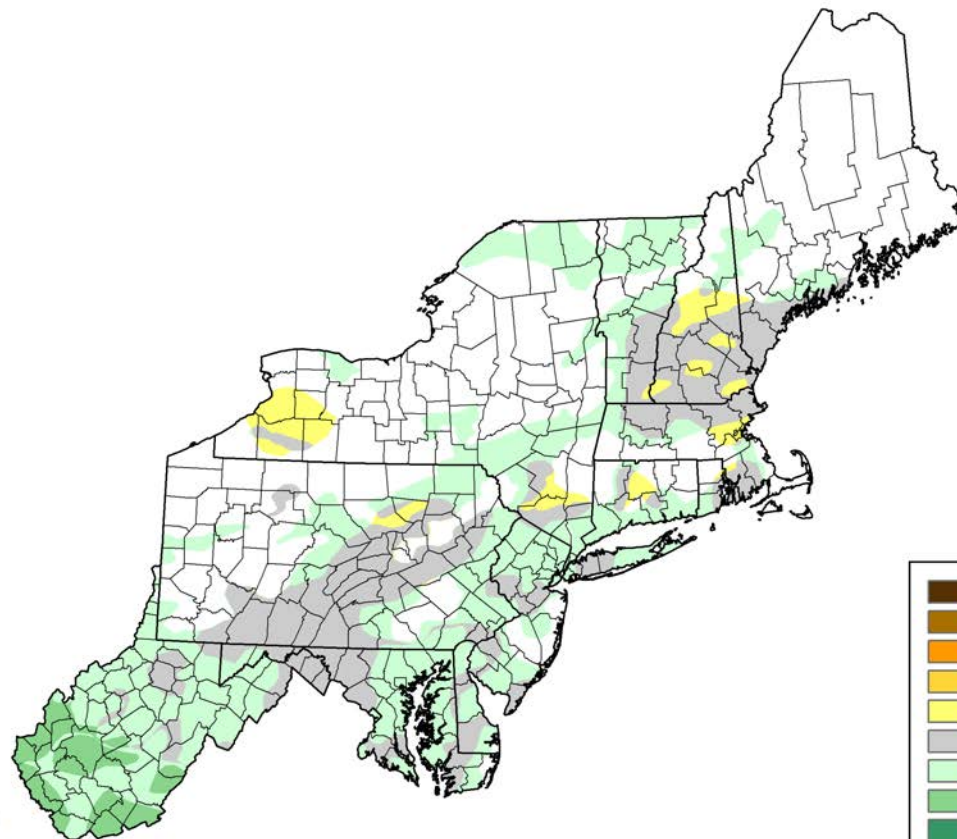
By the end of October,  
30% was abnormally dry  
and no drought was  
present



# Change Map

## U.S. Drought Monitor Class Change - Northeast 1 Month

October 29, 2019  
compared to  
October 1, 2019



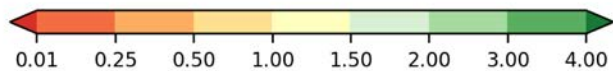
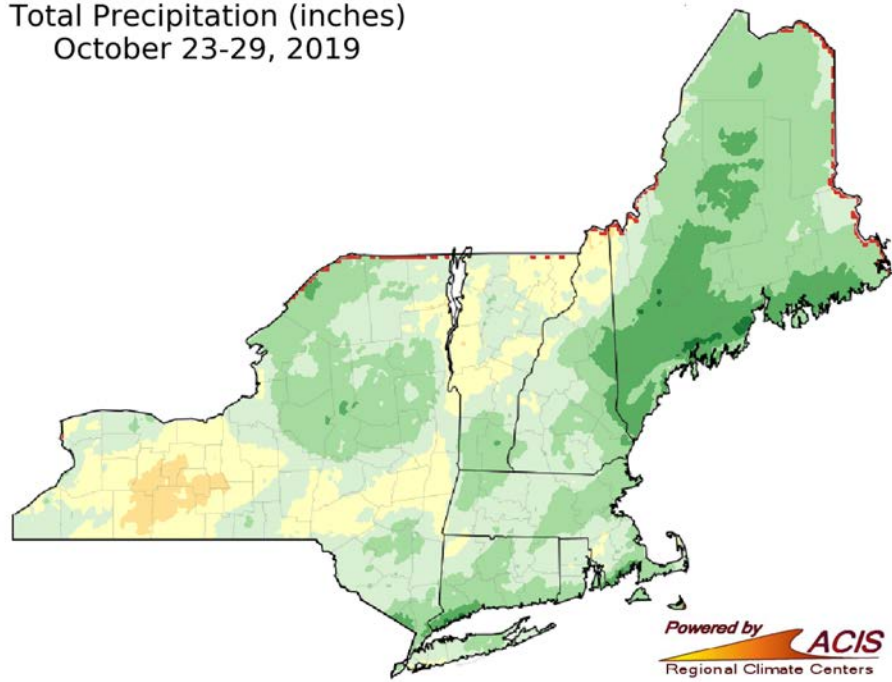
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

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

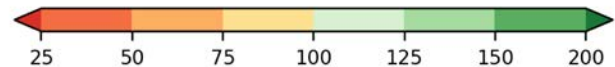
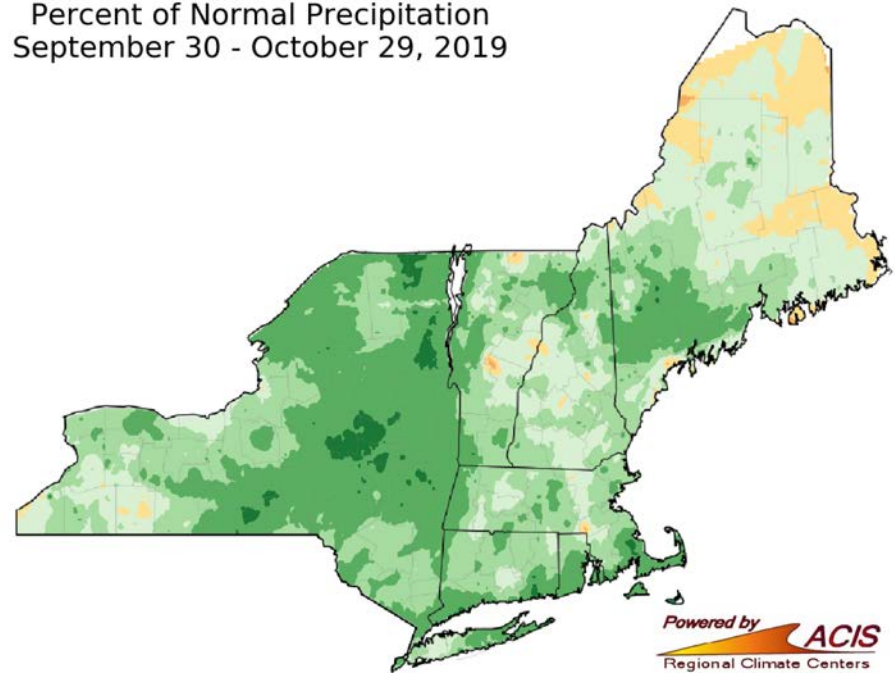




Total Precipitation (inches)  
October 23-29, 2019

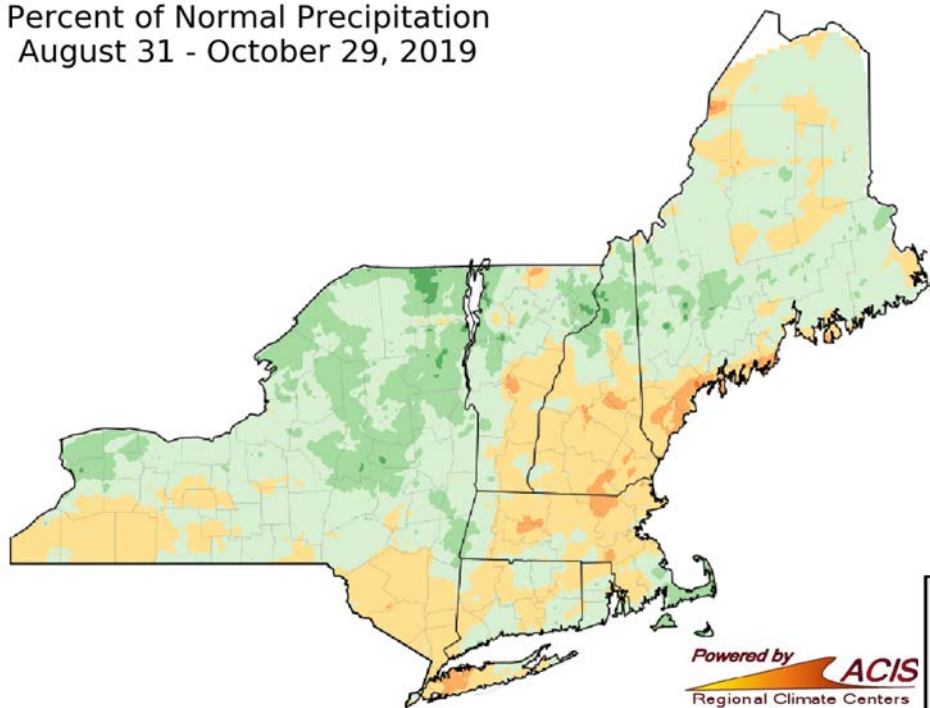


Percent of Normal Precipitation  
September 30 - October 29, 2019

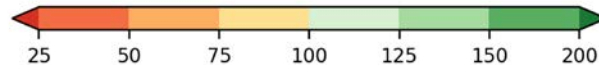
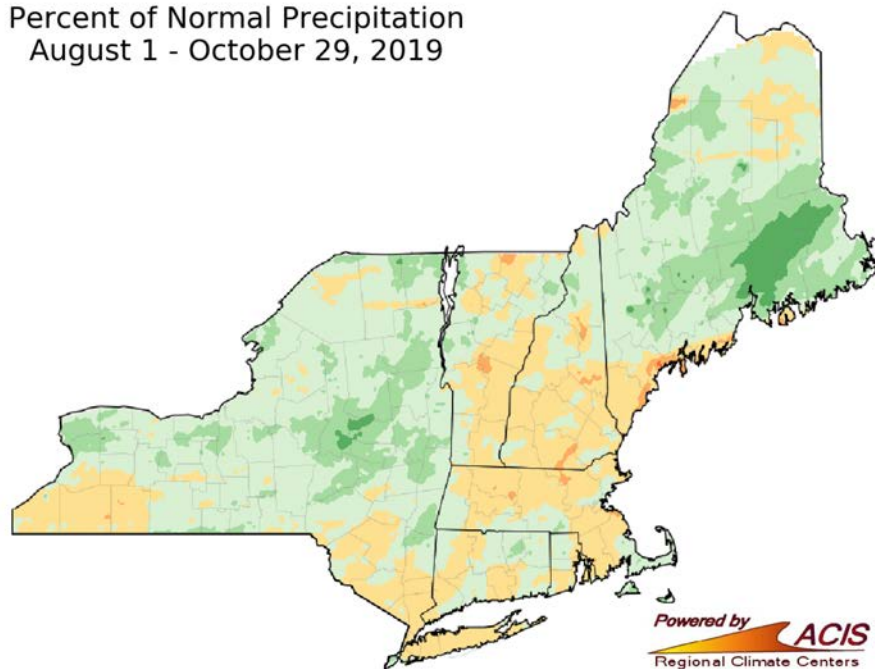




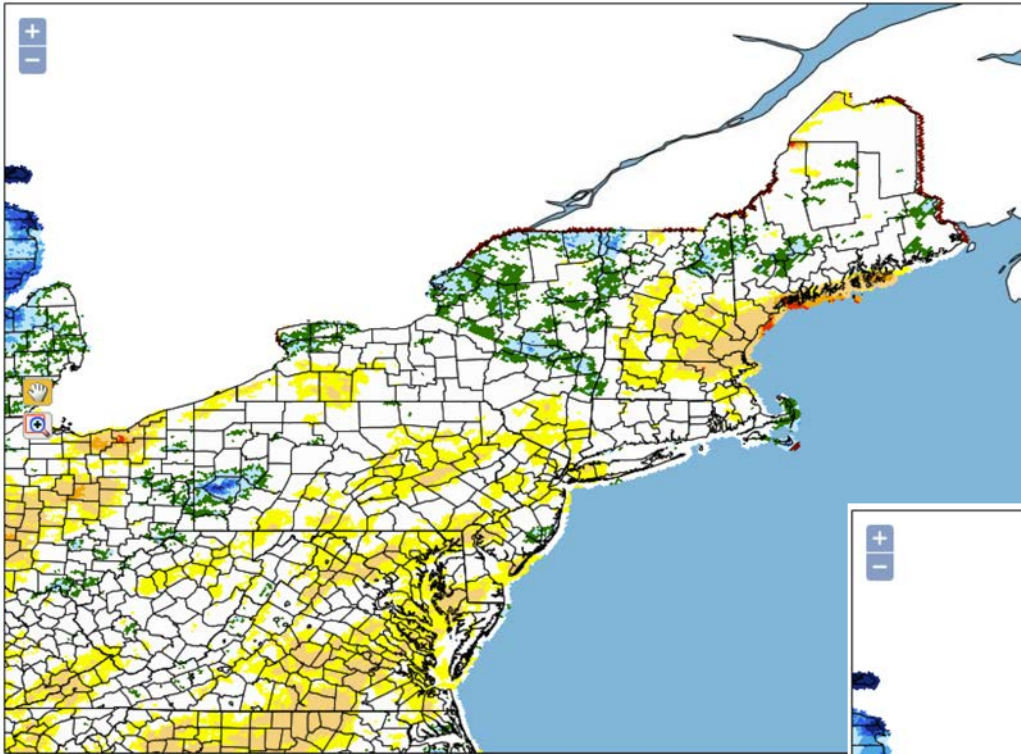
Percent of Normal Precipitation  
August 31 - October 29, 2019



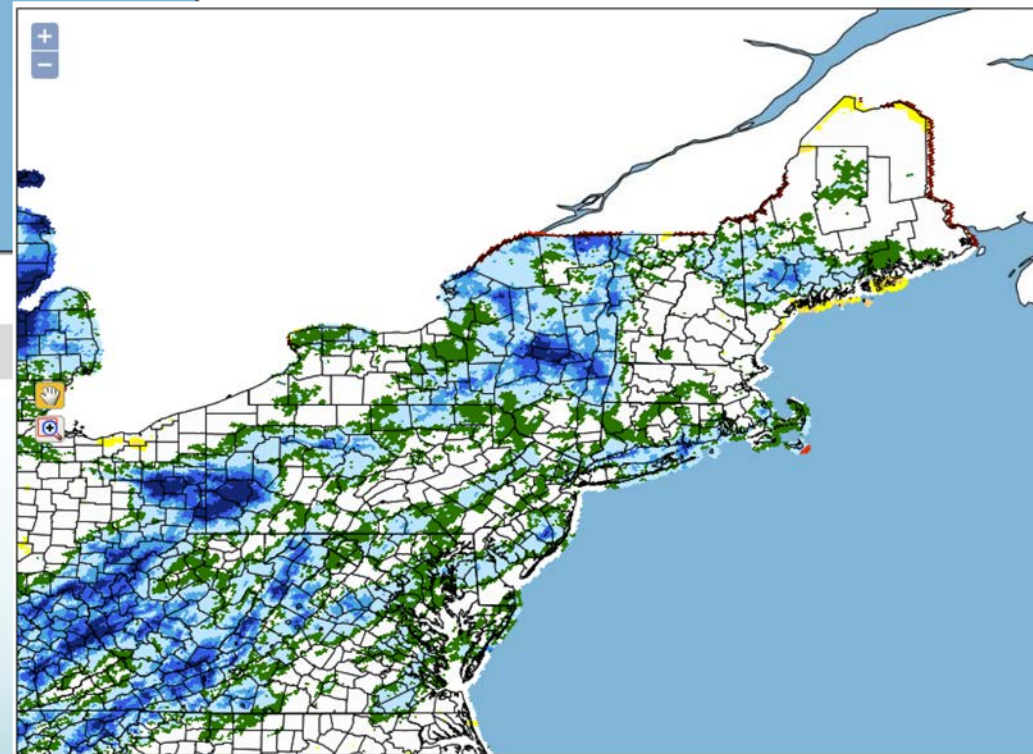
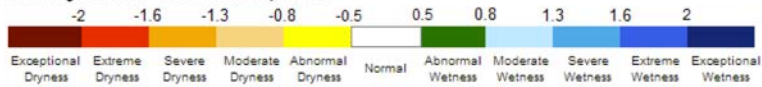
Percent of Normal Precipitation  
August 1 - October 29, 2019



Credit: North Carolina Climate Office



60 day SPI for October 29, 2019



30 day SPI for October 29, 2019

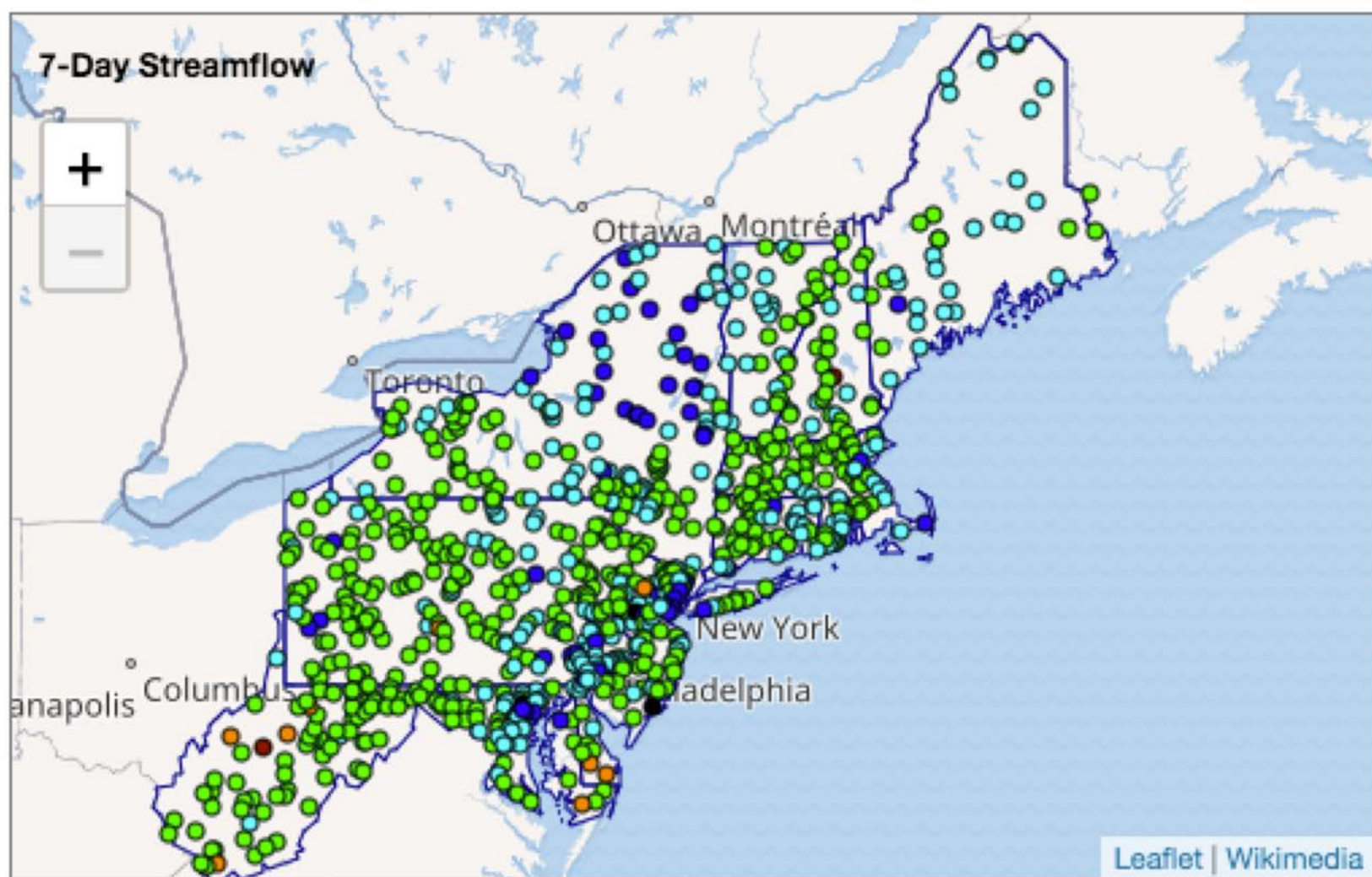


Transparency:

DOWNLOAD  
GEO TIFF





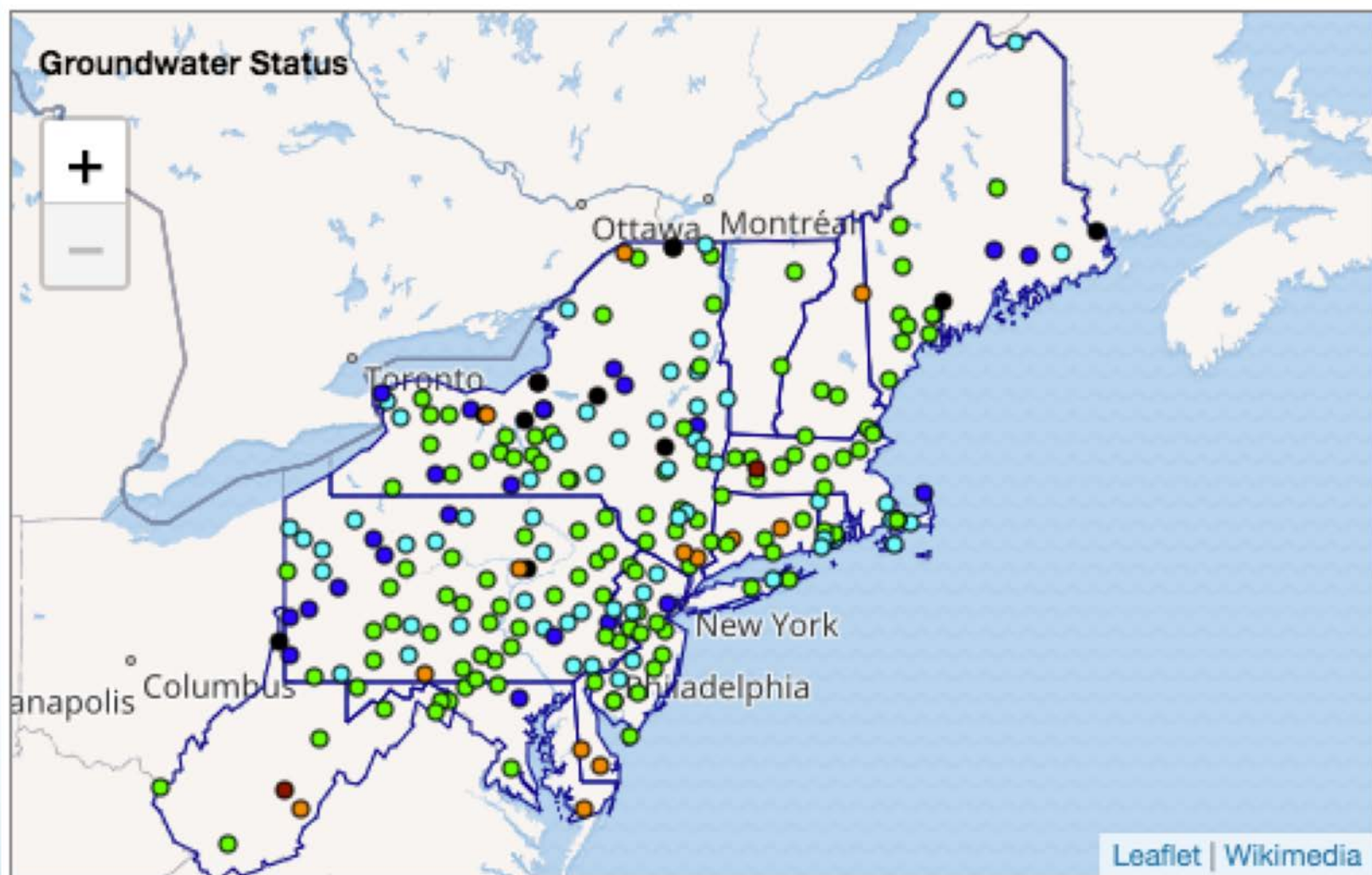


**Explanation - Percentile Classes**

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 WaterWatch](#) - [Streamflow](#).





**Explanation - Percentile Classes**

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

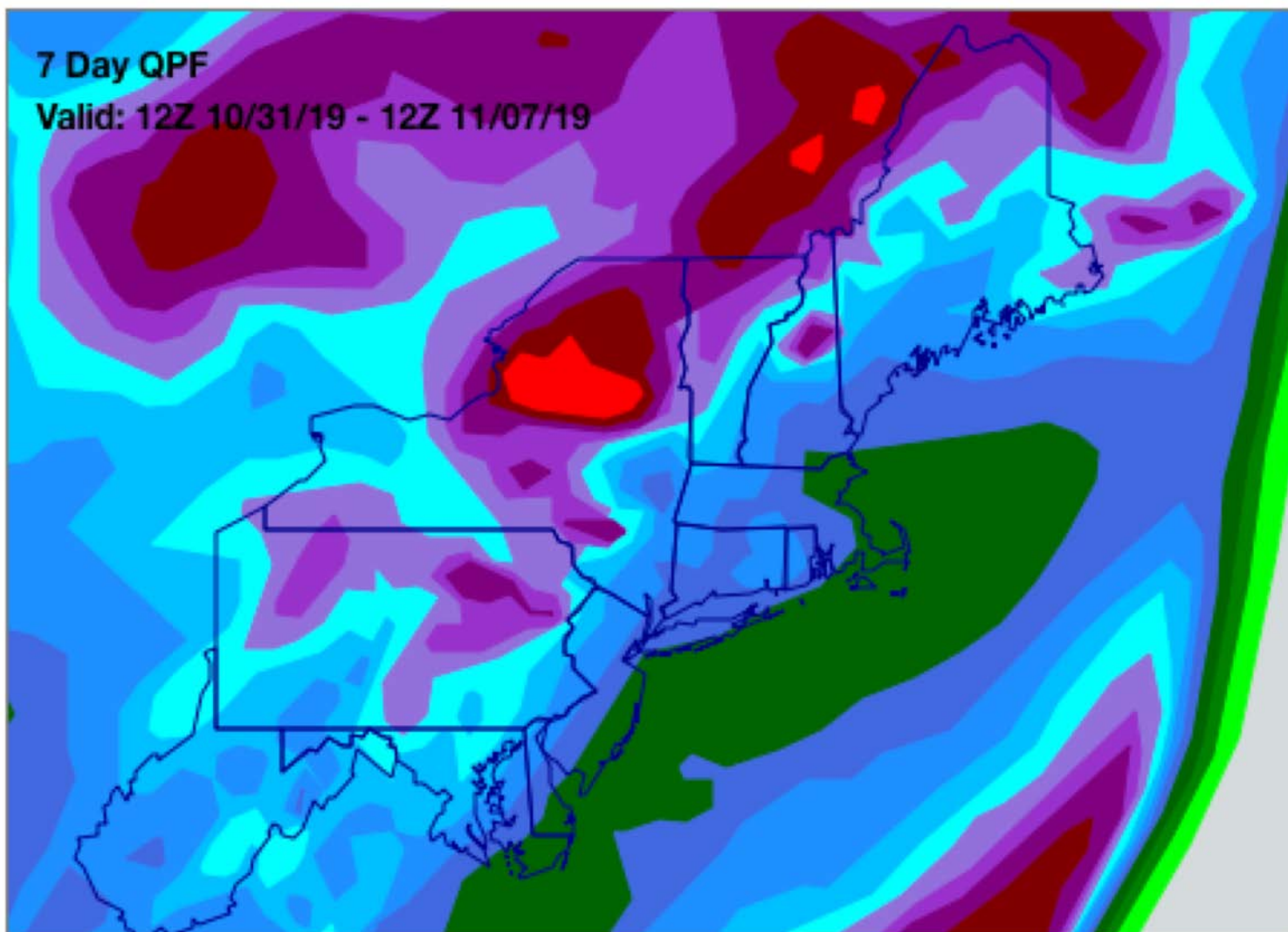
Data provided by [USGS Groundwater Watch](#) - [Climate Response Network](#).





# 7 Day QPF

Valid: 12Z 10/31/19 - 12Z 11/07/19



Explanation - Forecast precipitation (inches)

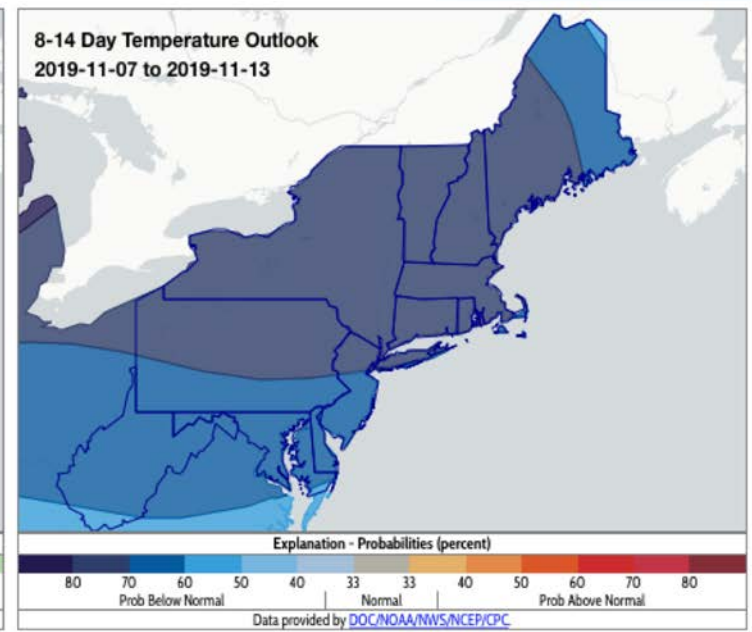
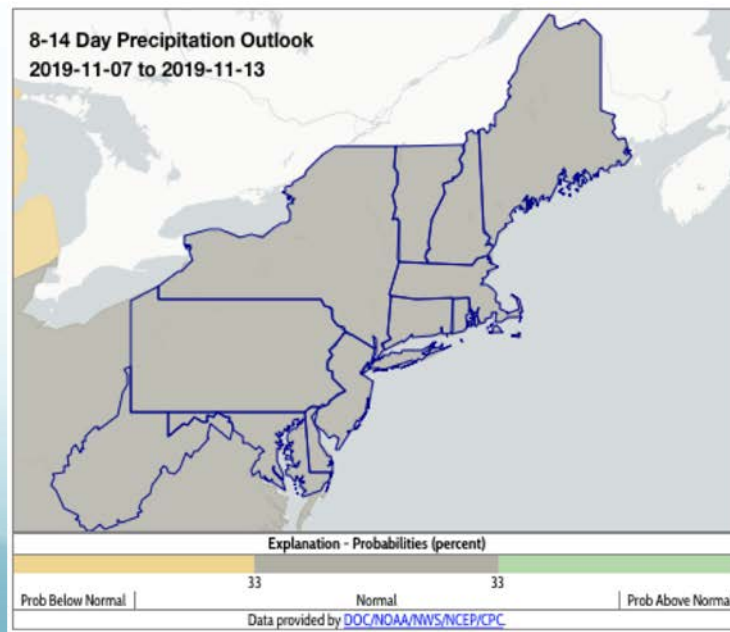
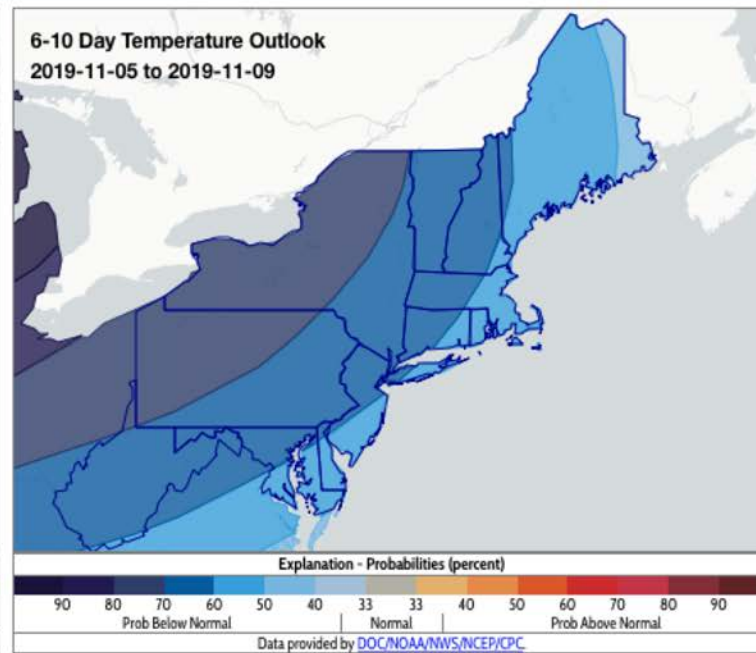
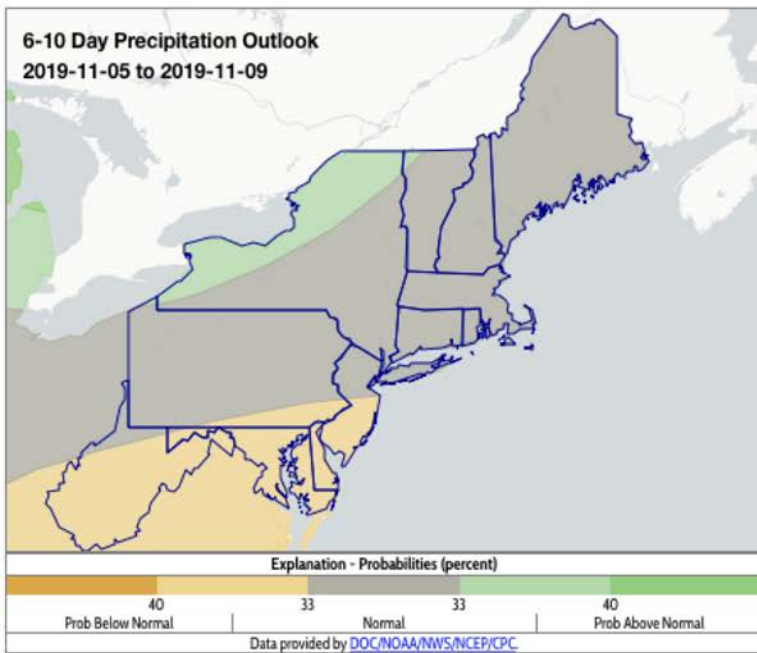


Data provided by [DOC/NOAA/NWS/NCEP/NPC](#).

NRCC

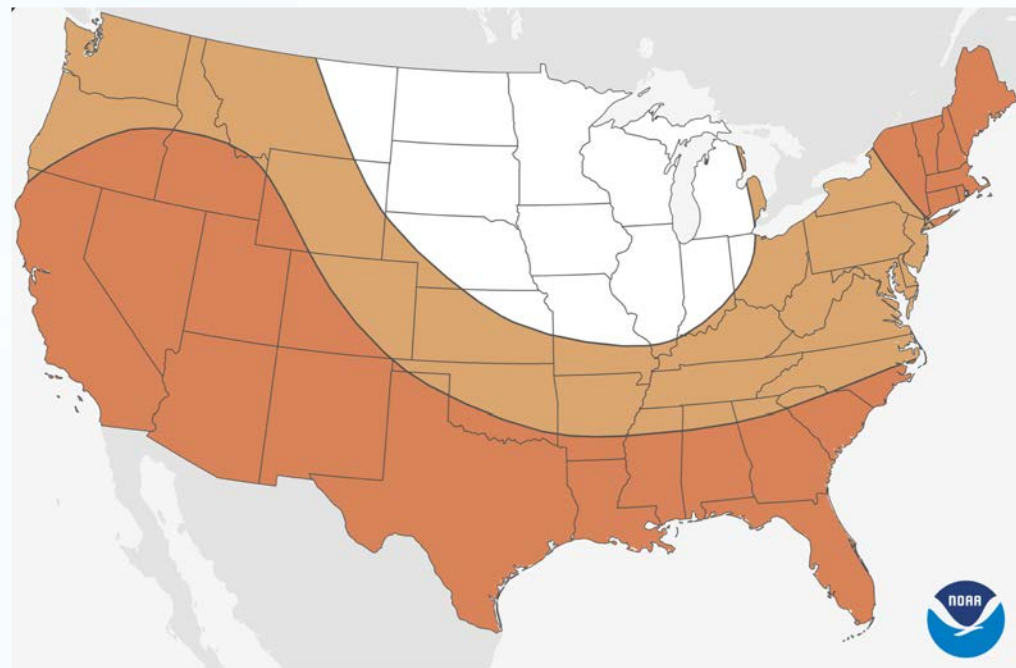


# Short-term Outlooks



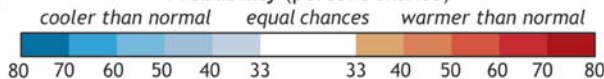
# Winter Outlooks

November webinar will focus on (updated) winter outlooks and ENSO

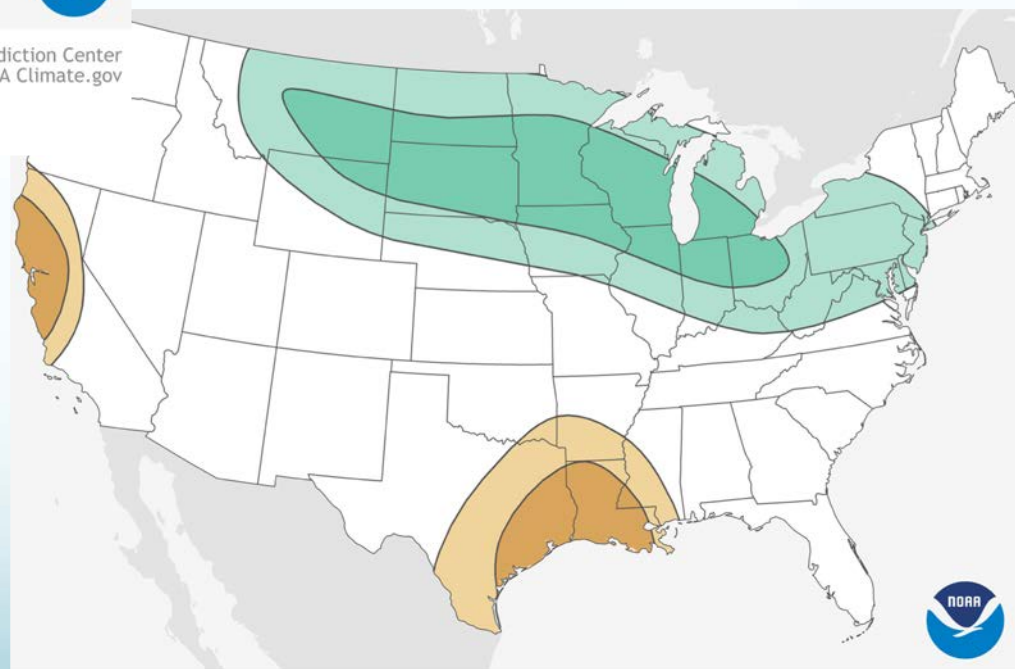


January 2020

Probability (percent chance)

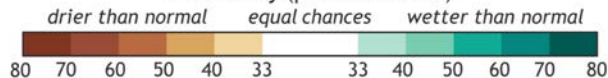


NWS Climate Prediction Center  
Map by NOAA Climate.gov



January 2020

Probability (percent chance)



NWS Climate Prediction Center  
Map by NOAA Climate.gov



# Contact Information

- nrcc@cornell.edu
- 607-255-1751

## Upcoming Webinars

- Tuesday, November 26 at 9:30am
  - ENSO Update and Winter Outlook
- Thursday, December 19 at 9:30am
  - Delaware State Climate Team

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

