

June Recap & Northeast DEWS Discussion

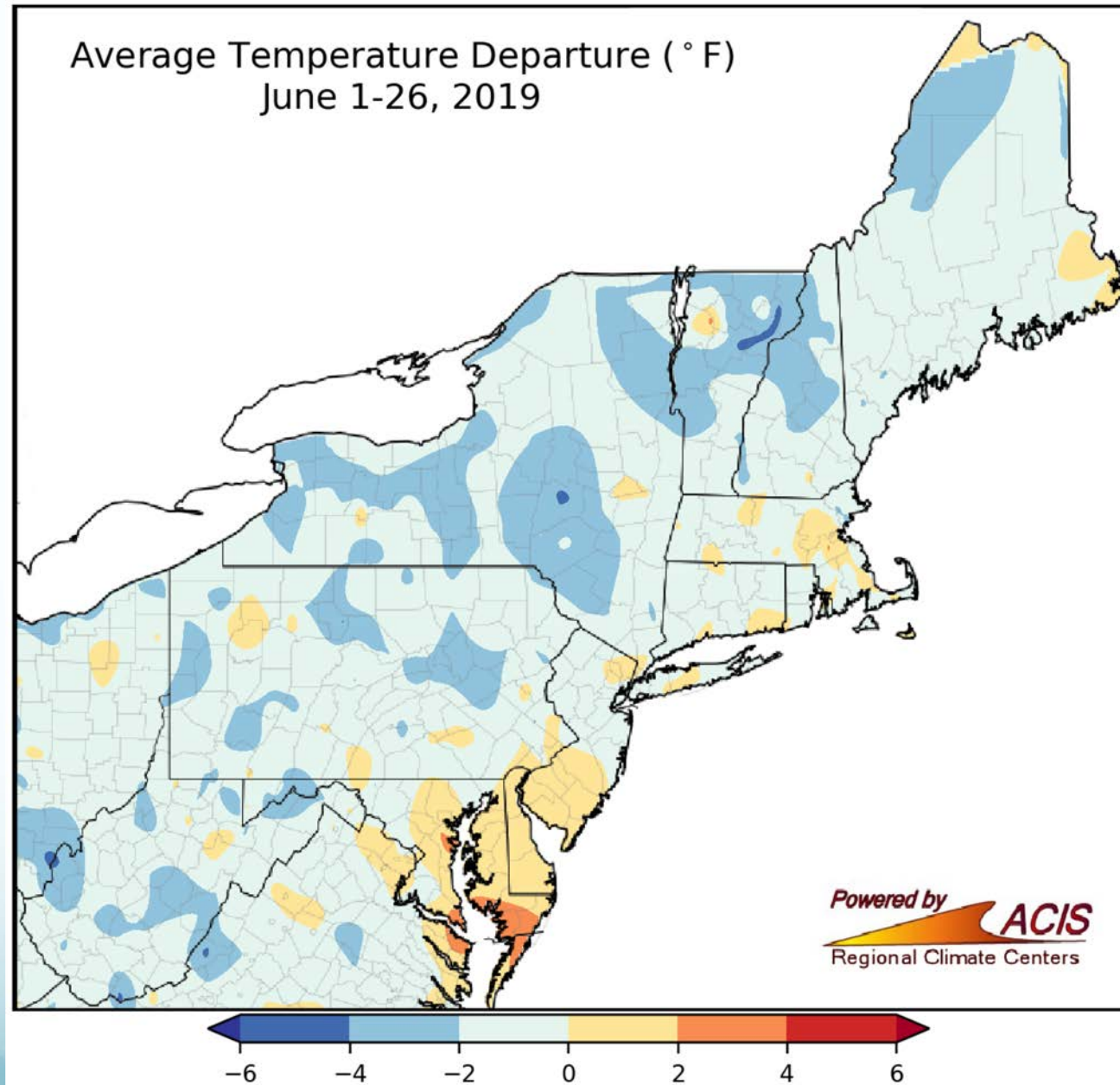
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

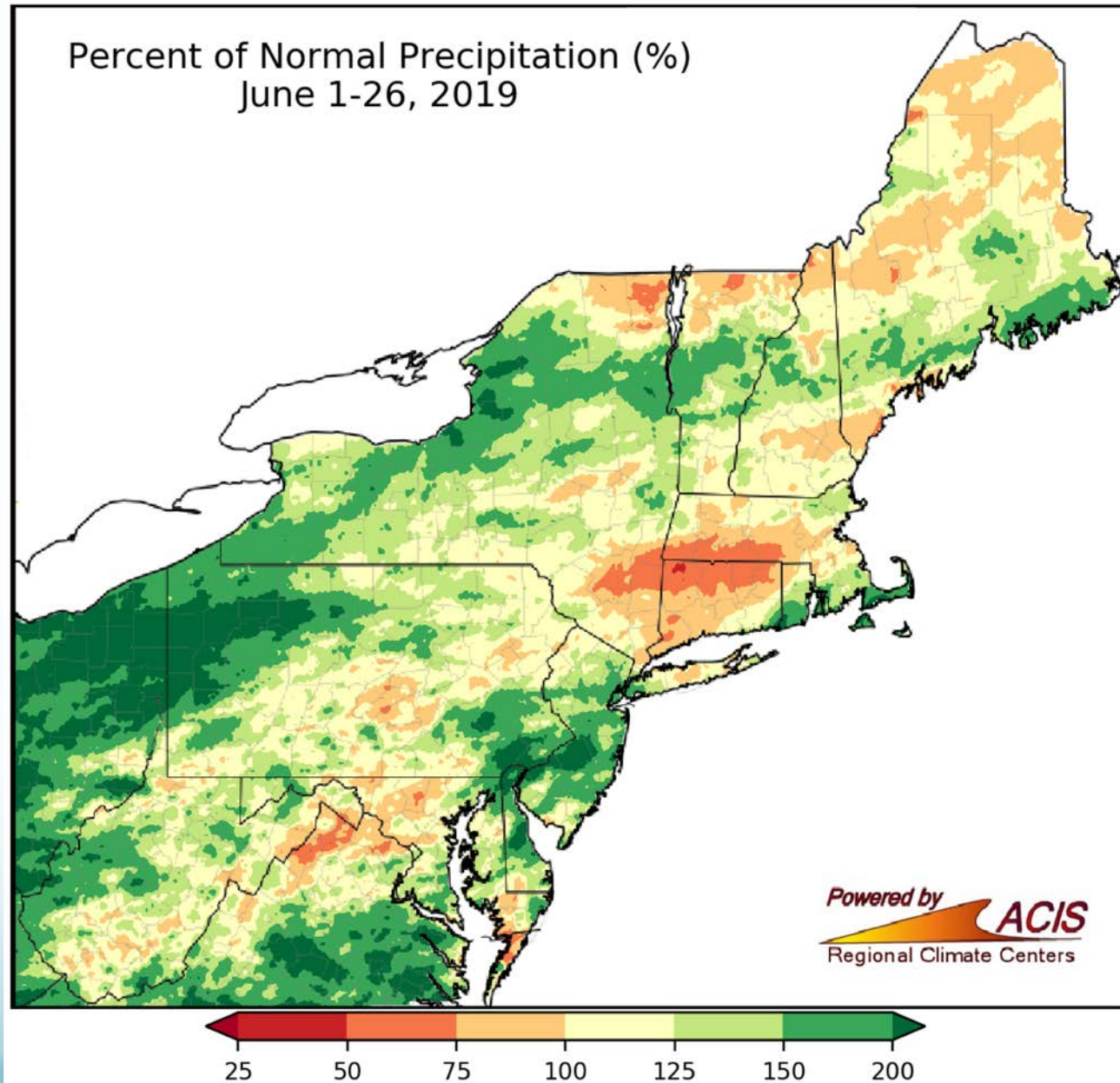


June Temperatures



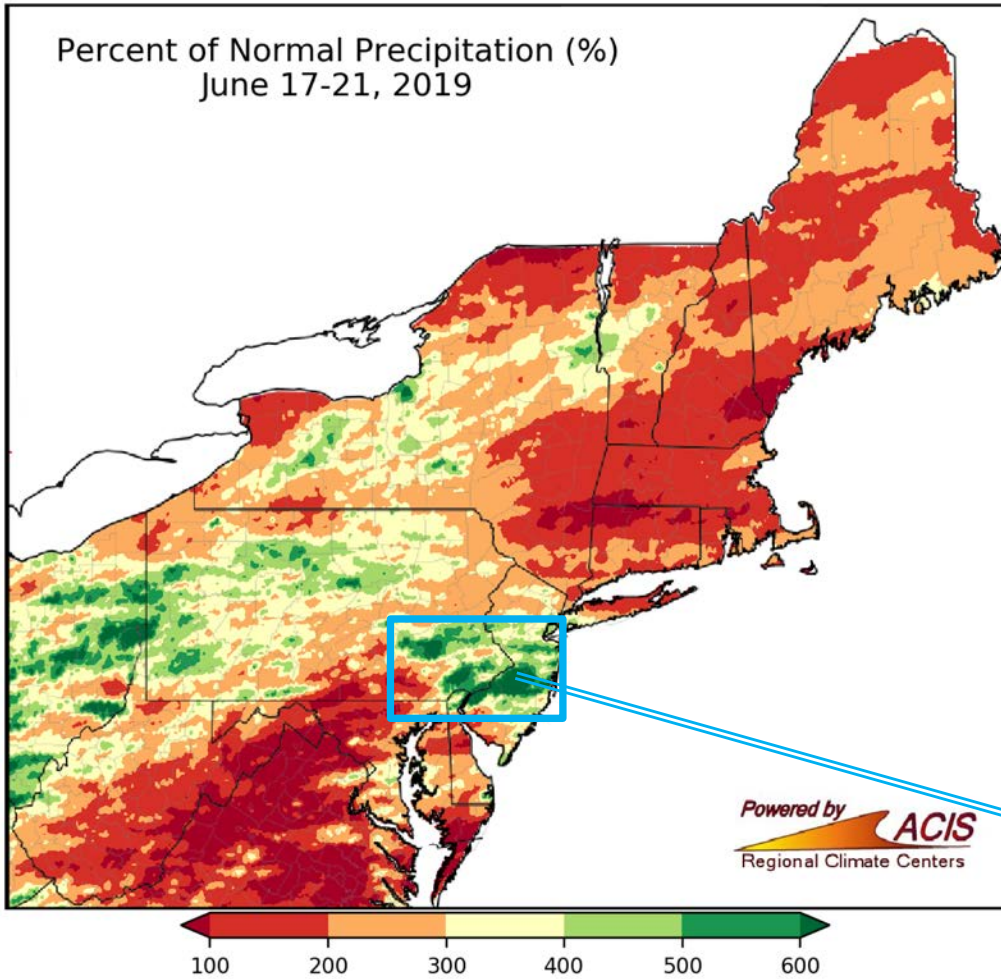
From 4°F below normal to 4°F above normal

June Precipitation



From 50% of normal to more than 200% of normal

June Flash Flooding

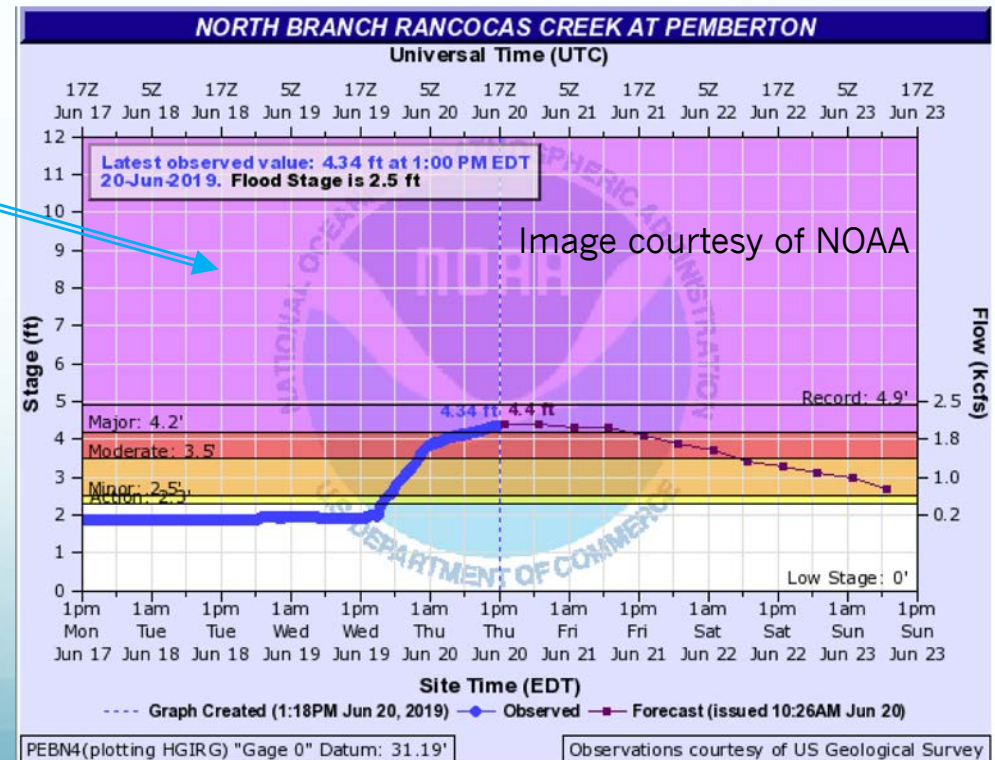


Conditions:

- Above-normal precipitation
- Normal to high streamflow
- Saturated soil
- Showers & thunderstorms
 - 3-7" in some areas
 - Philadelphia - greatest 2-day rain for June w/ 4.63" (records to 1872)

Flash flooding:

- Major flooding in some areas
 - Pemberton, NJ – prelim 2nd highest crest since 1951 (behind Hurricane Irene in 2011)



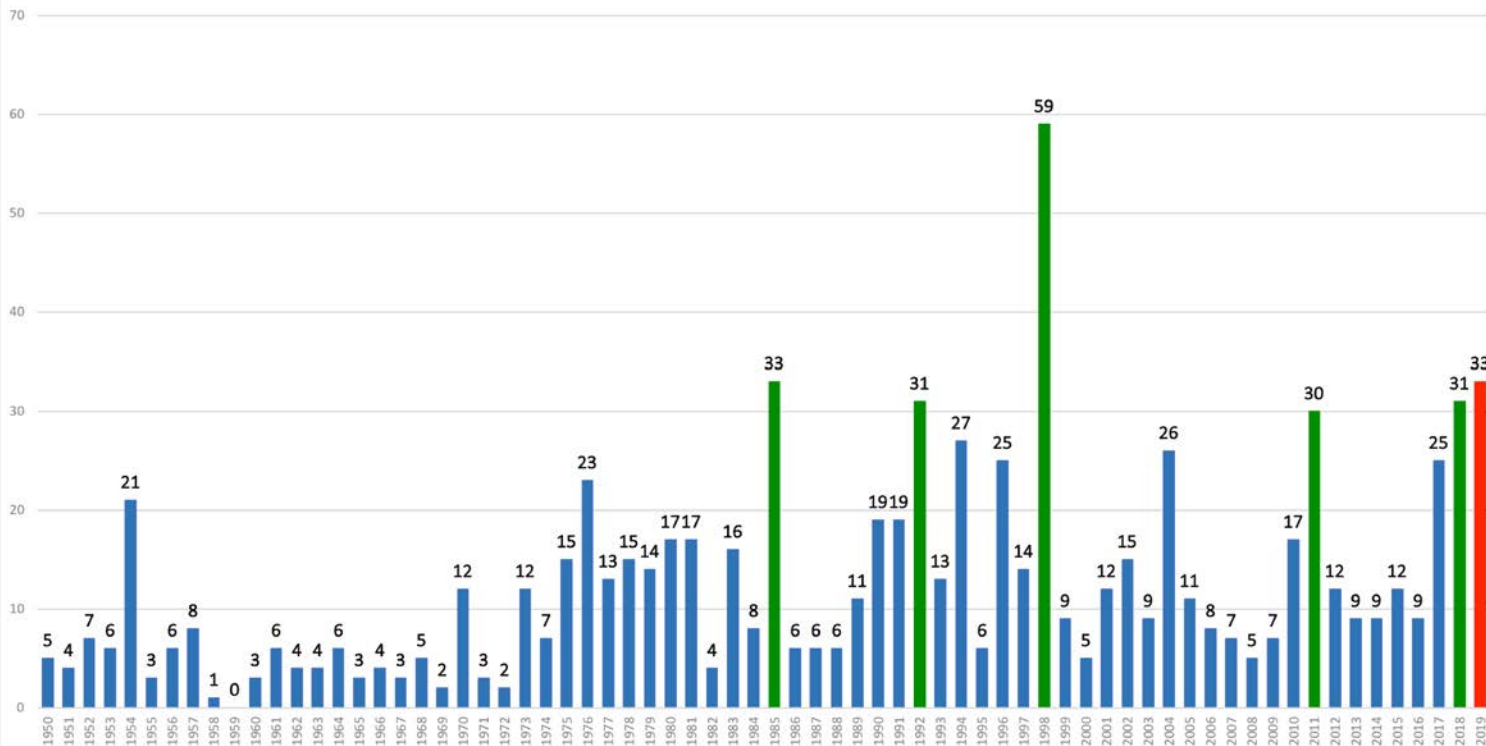
June Severe Weather



Tornadoes:

- Pennsylvania – two EF-1s
 - 33 tornadoes this year*
 - 2nd greatest since 1950 - Tied w/ 1985*
- Maryland – an EF-1
- New Jersey – an EF-0 and EF-1
- West Virginia - an EF-1

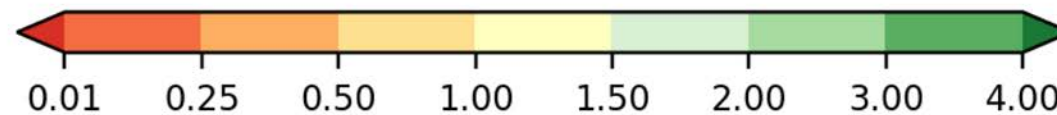
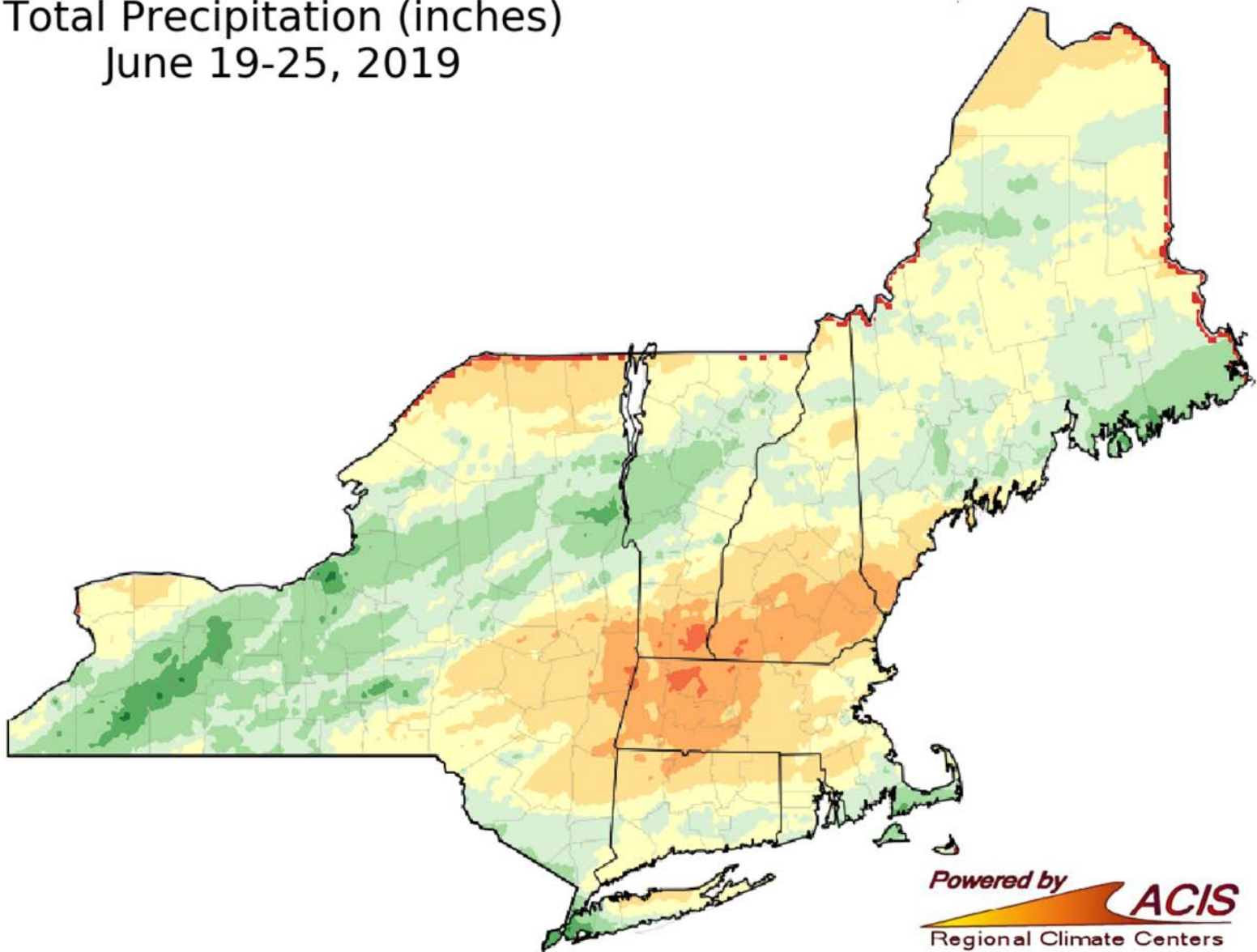
Pennsylvania - Annual Tornado Count



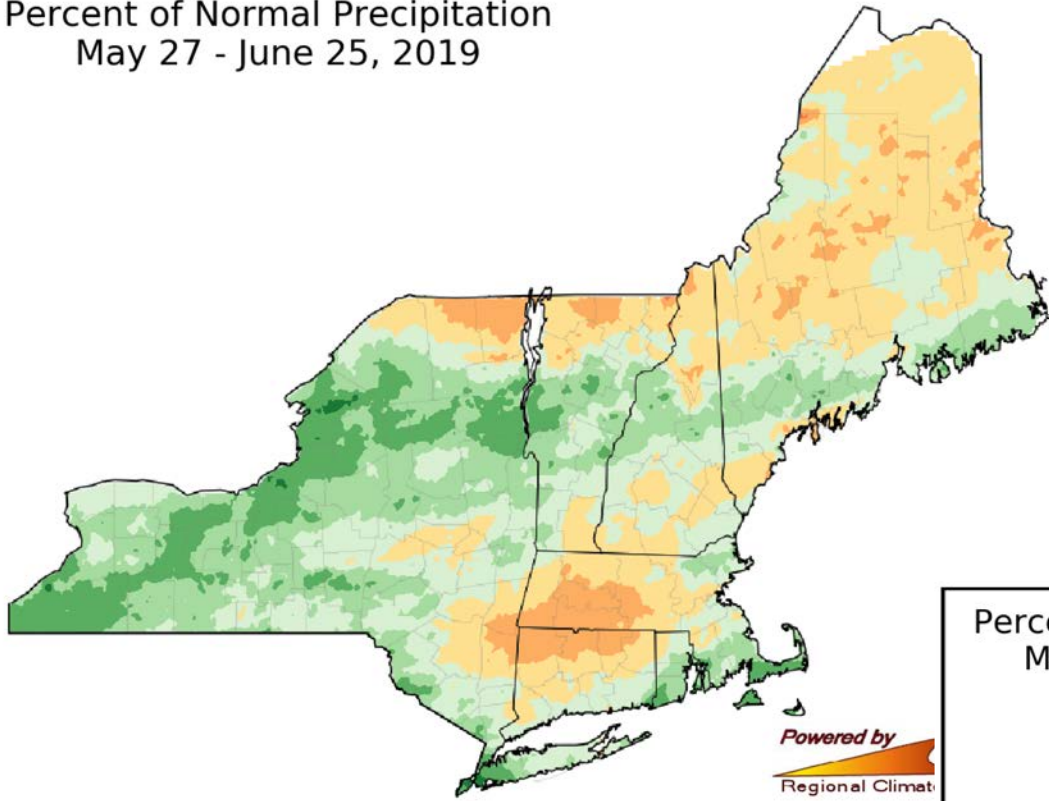
Top left images courtesy of NWS Pittsburgh

*Pennsylvania tornado count data is preliminary and counts from previous years may not be exact

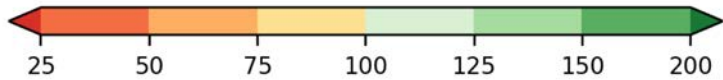
Total Precipitation (inches) June 19-25, 2019



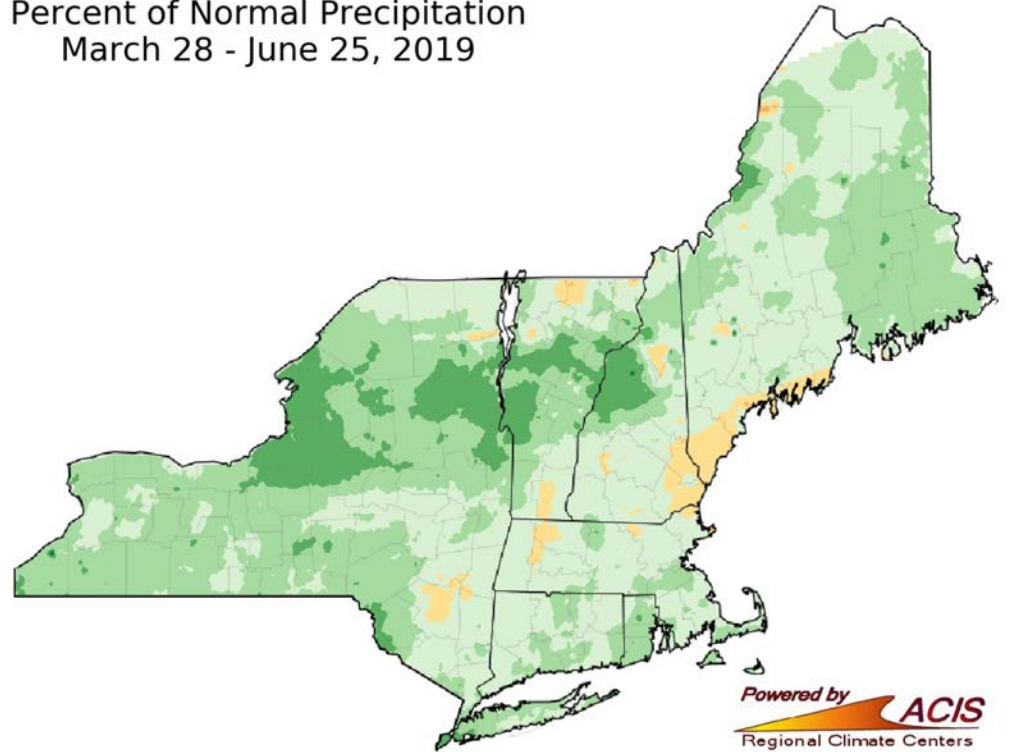
Percent of Normal Precipitation
May 27 - June 25, 2019



Powered by
Regional Climate



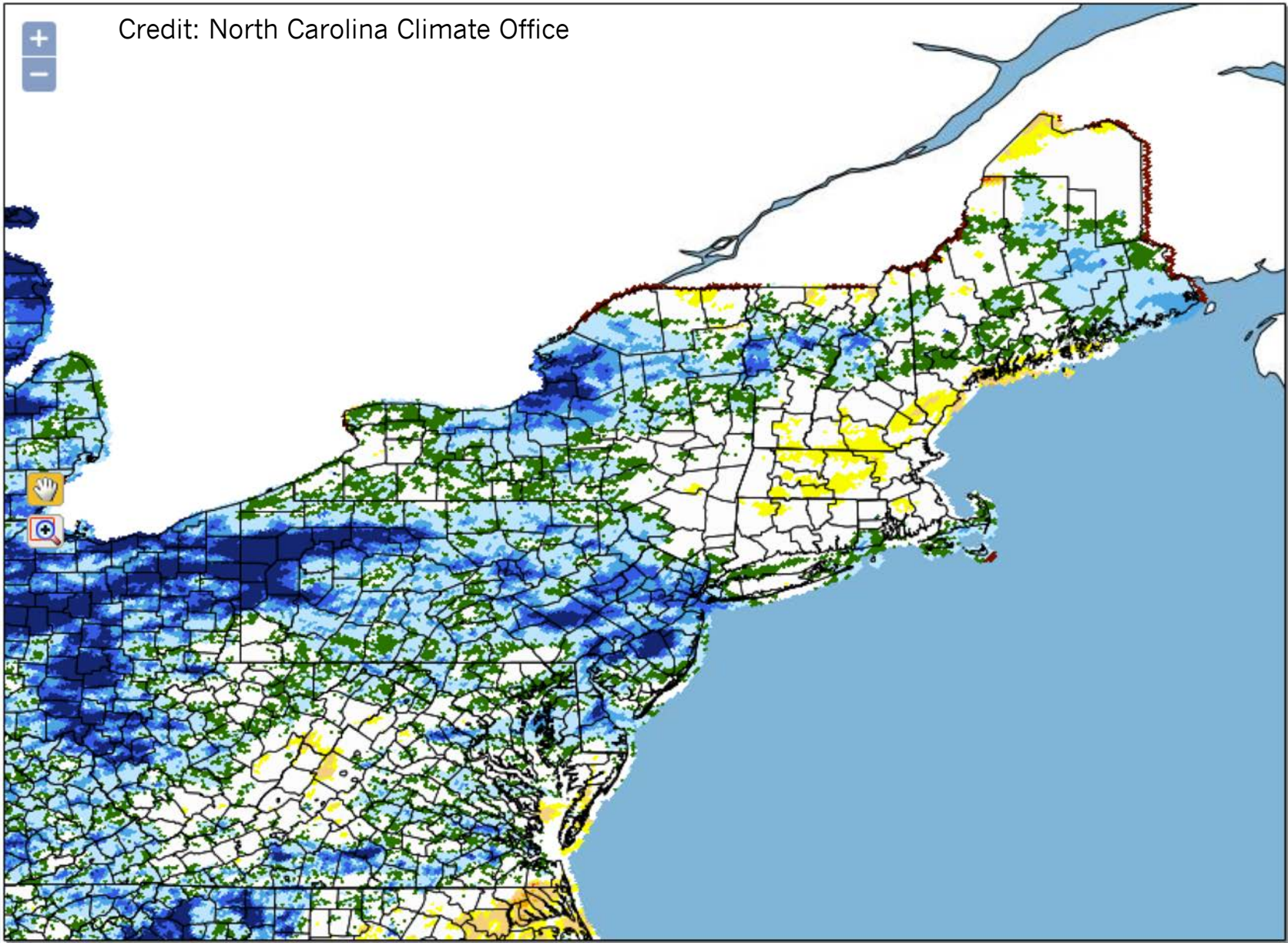
Percent of Normal Precipitation
March 28 - June 25, 2019



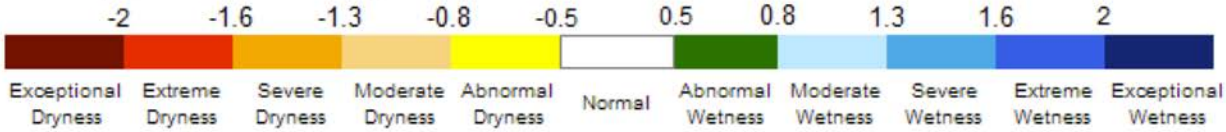
Powered by
Regional Climate Centers
ACIS



Credit: North Carolina Climate Office



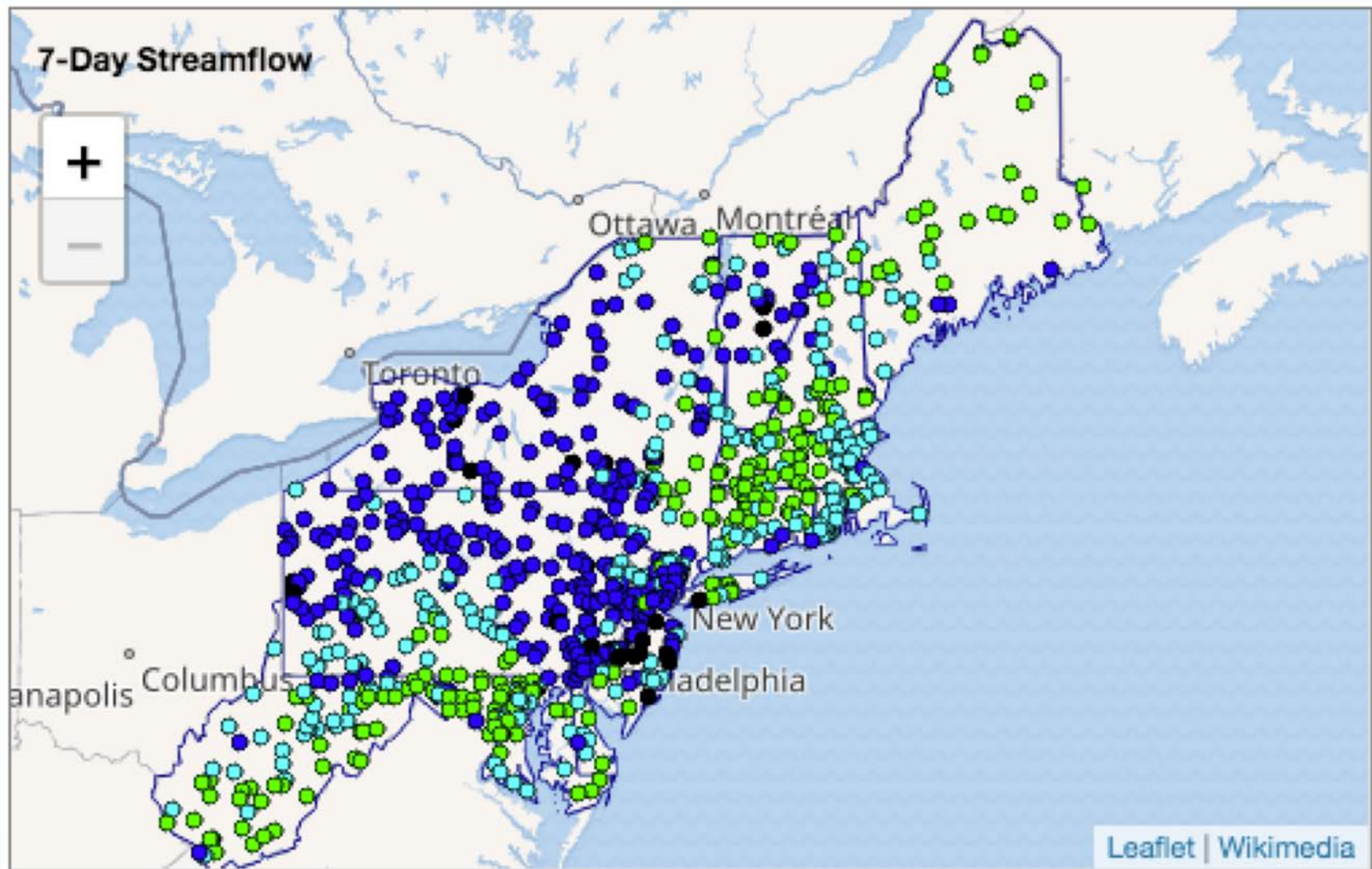
60 day SPI for June 26, 2019



Transparency:

DOWNLOAD
GEO TIFF



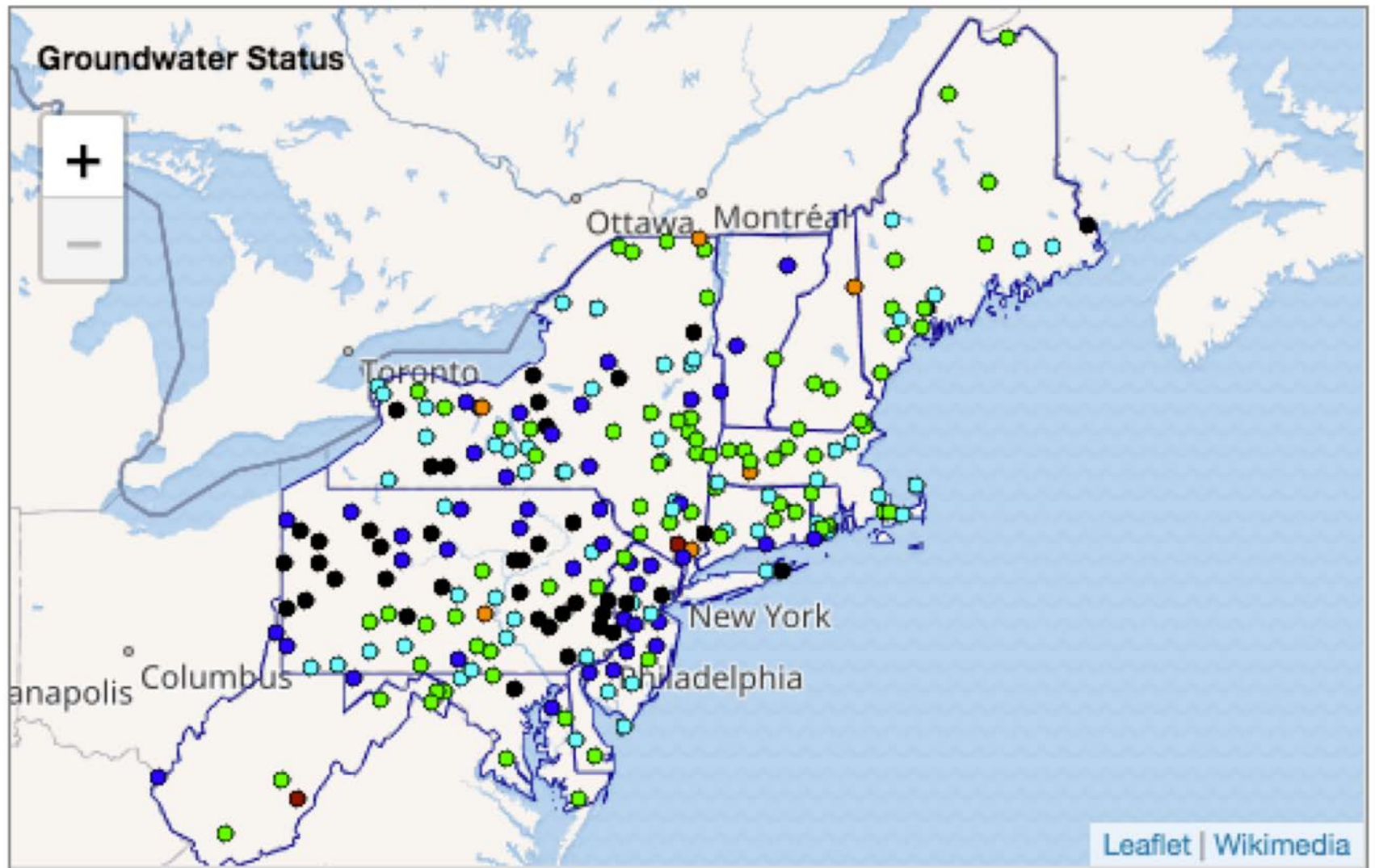


Explanation - Percentile Classes

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

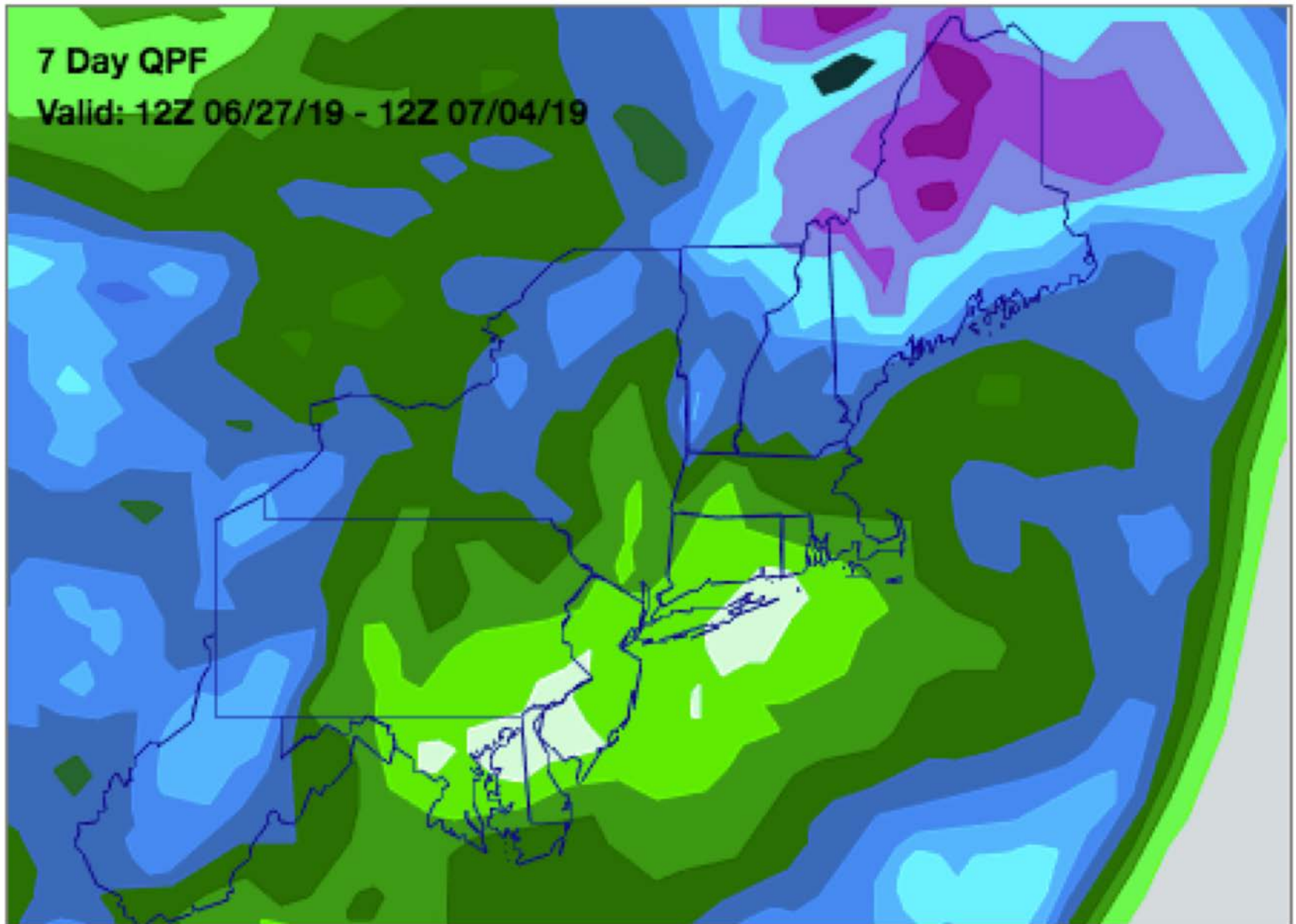
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High	
	<10%	10-24%	25-75%	76-90%	>90%		

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

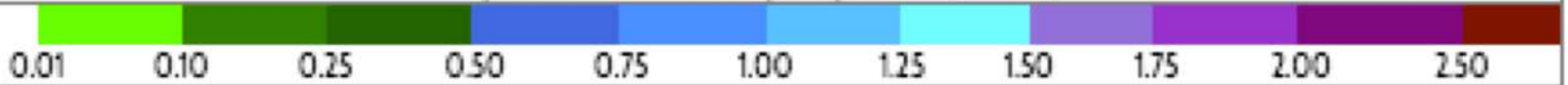


7 Day QPF

Valid: 12Z 06/27/19 - 12Z 07/04/19



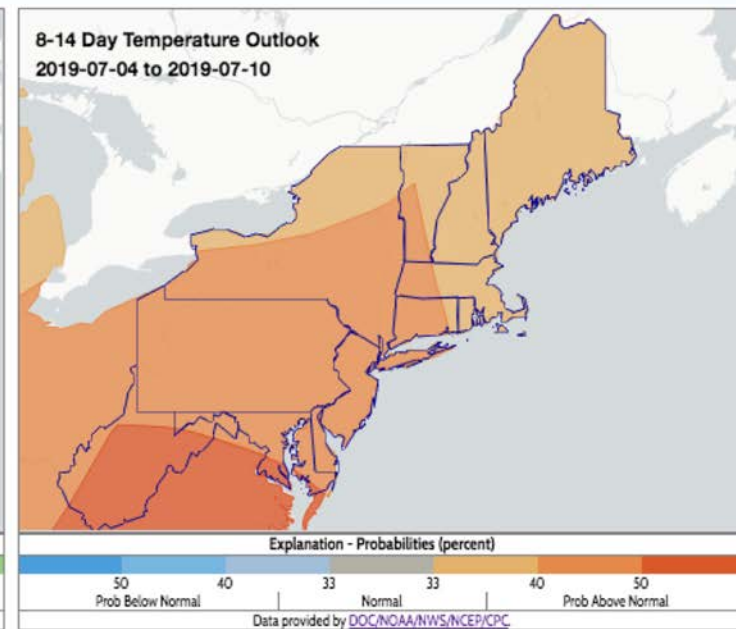
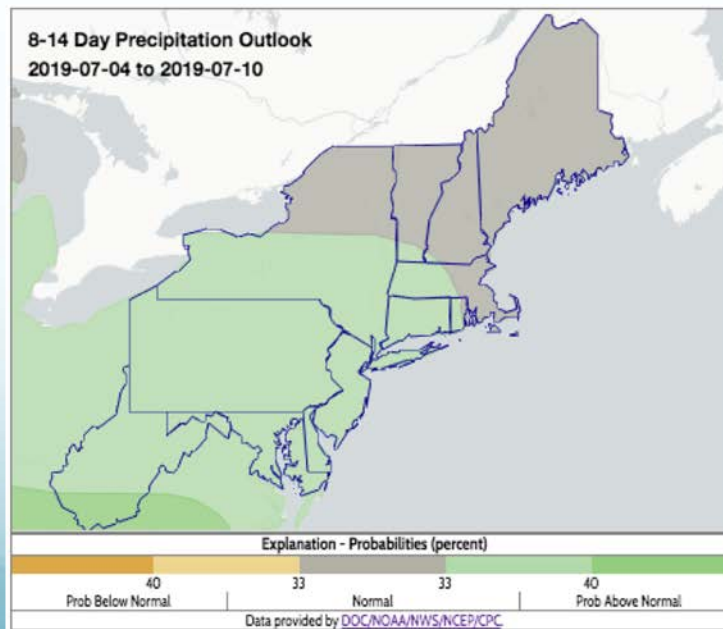
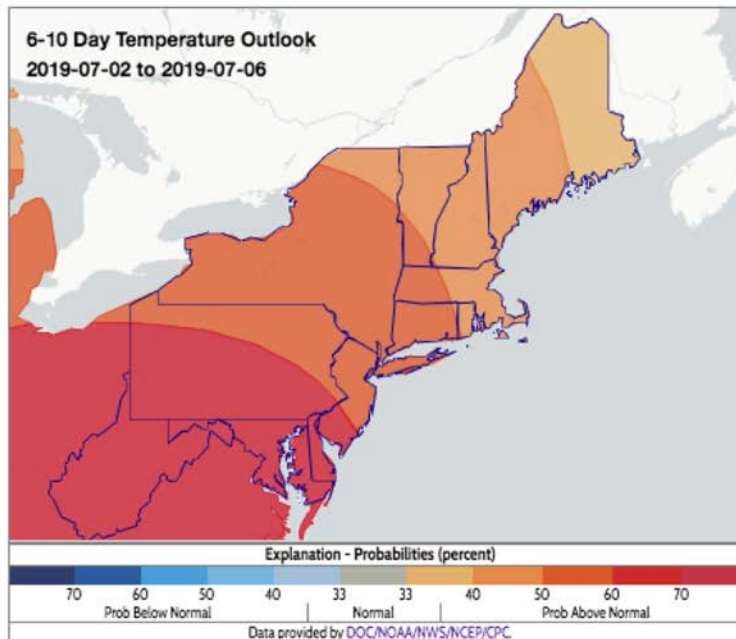
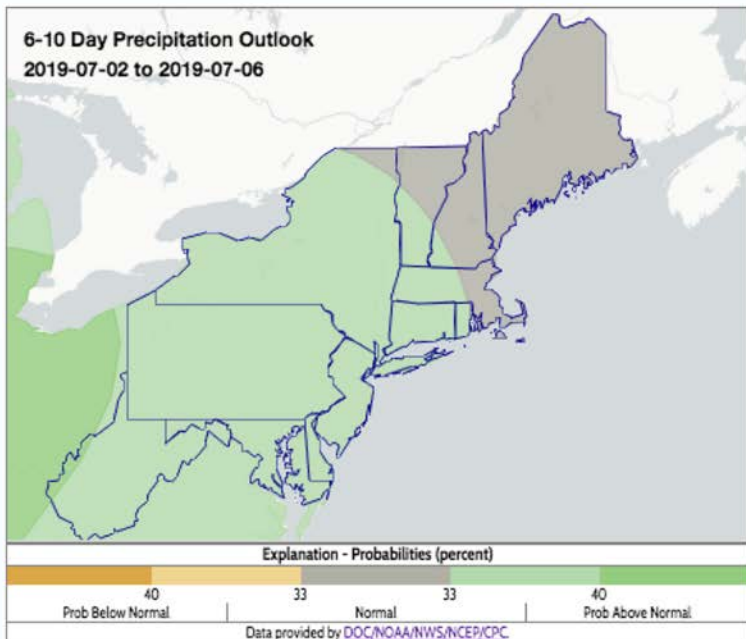
Explanation - Forecast precipitation (inches)



Data provided by [DOC/NOAA/NWS/NCEP/WPC](https://www.noaa.gov/).



Short-term Outlooks



Contact Information

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

Upcoming Webinars

- Tuesday, July 30 at 9:30 am
 - Hurricane Intensity & Greenhouse Gas Emissions
- Thursday, August 29 at 9:30 am
 - Updated Hurricane Outlook
- Thursday, September 26 at 9:30 am
 - TBD

www.nrcc.cornell.edu