

# May Conditions & Northeast DEWS Discussion

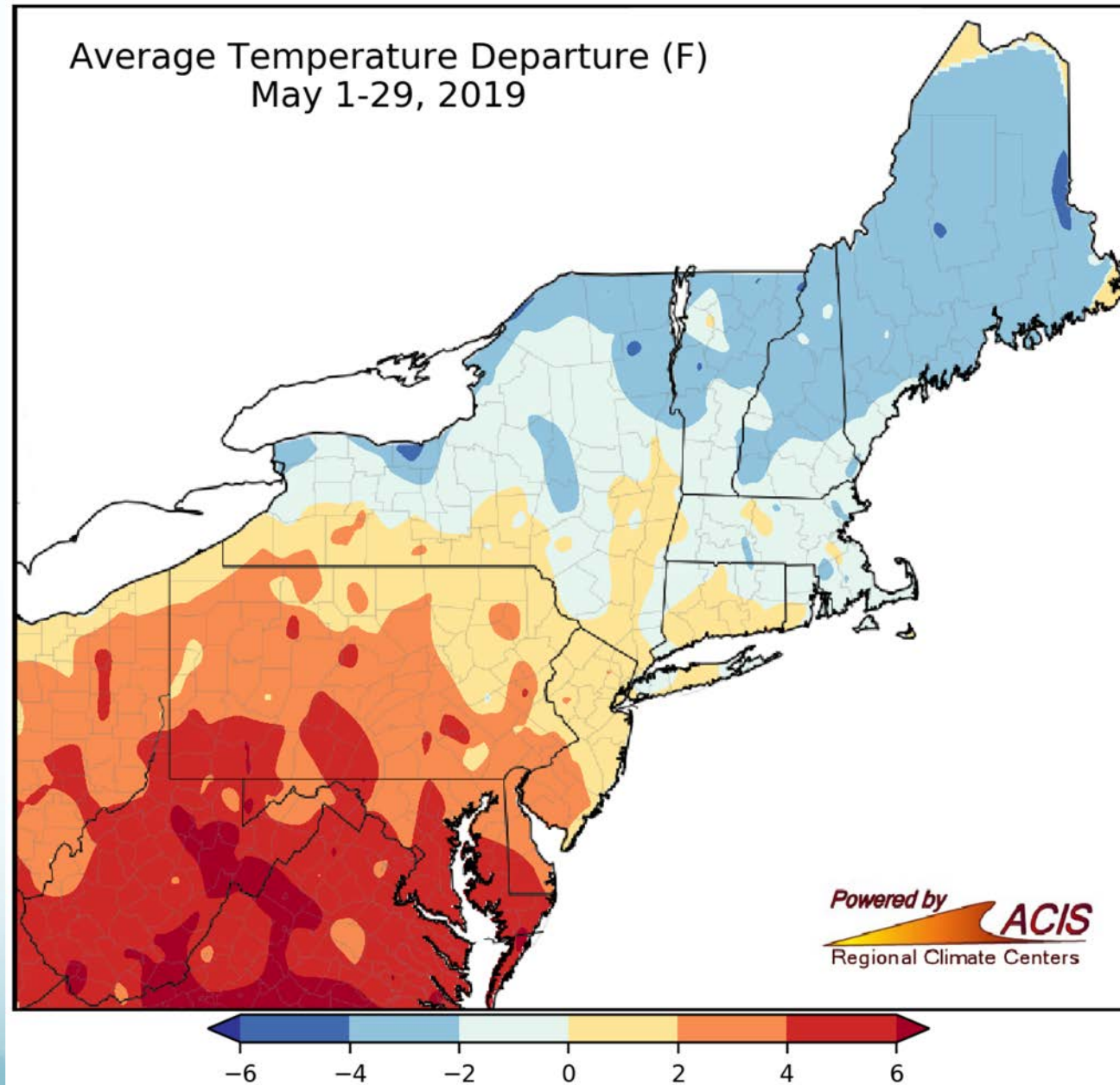
By: Samantha Borisoff, Climatologist  
Northeast Regional Climate Center



Northeast Regional  
Climate Center

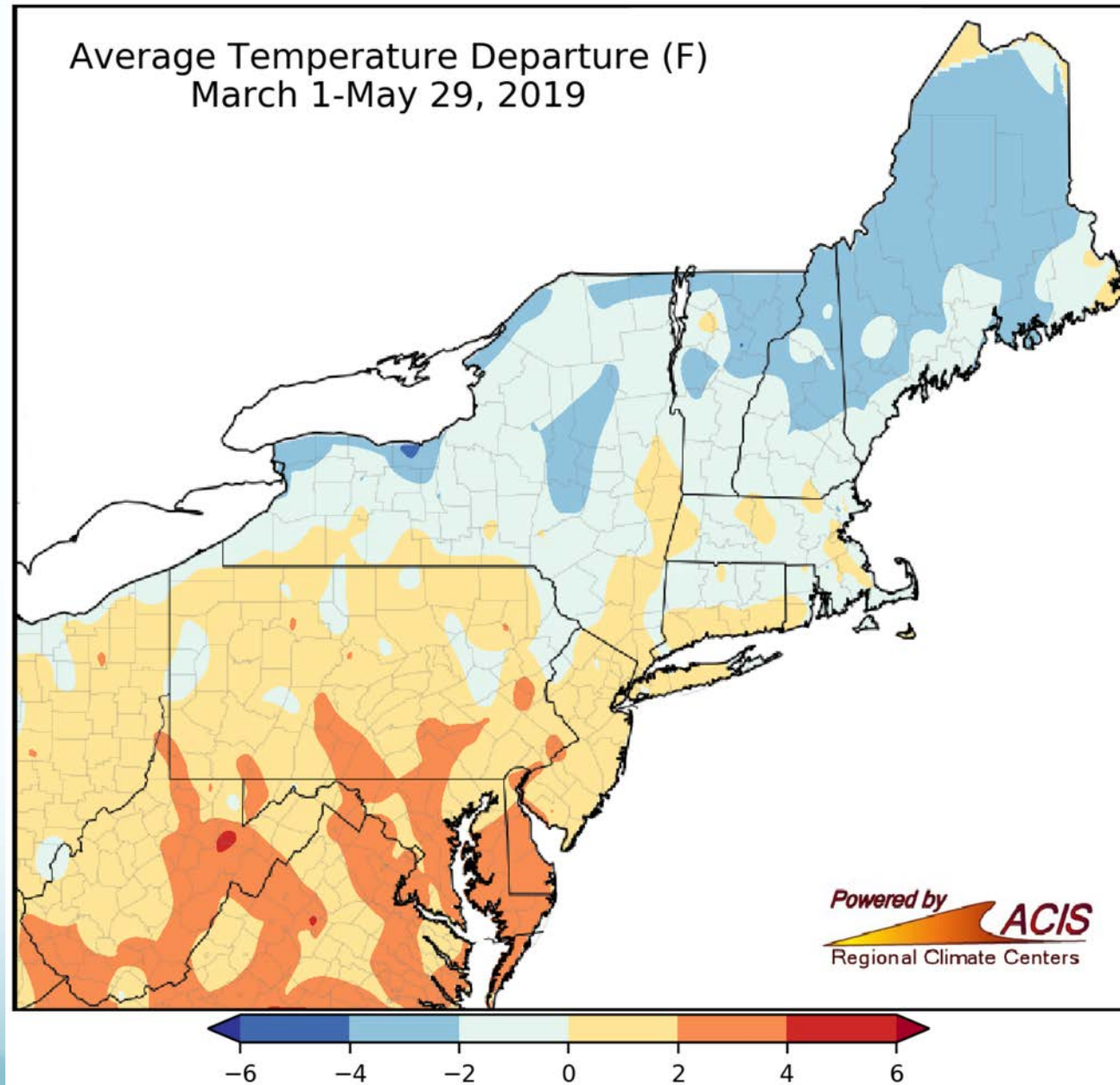


# May Temperatures



From 4°F below normal to more than 6°F above normal

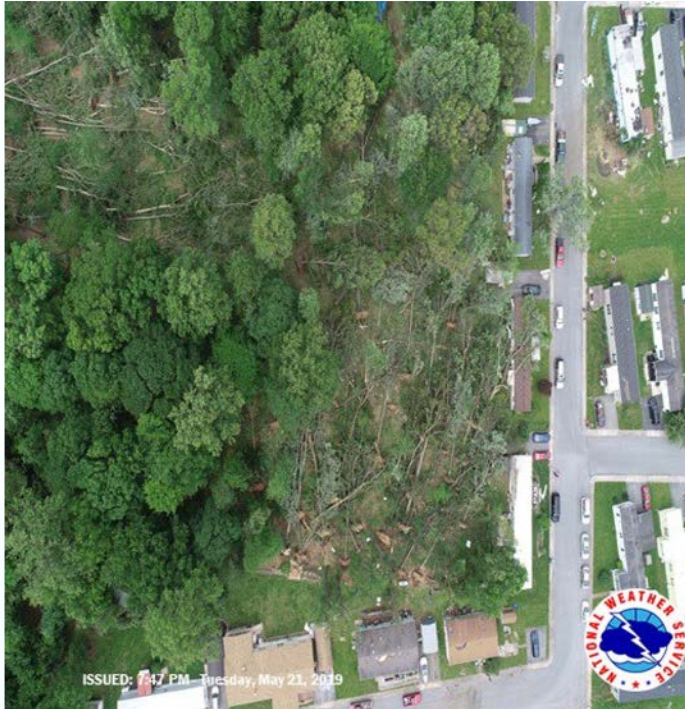
# Spring Temperatures



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



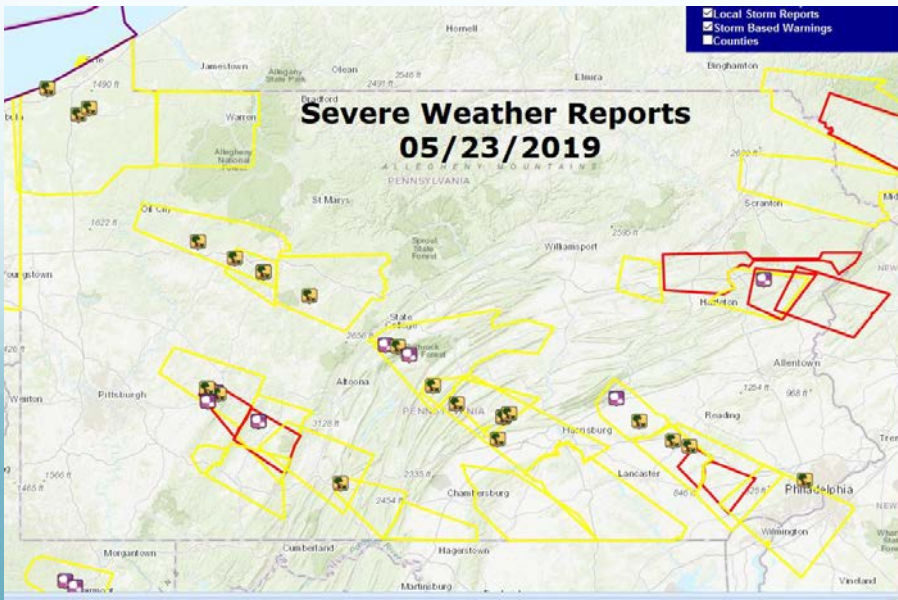
# May Severe Weather



Images courtesy of NWS State College

## May tornadoes:

- Pennsylvania –
  - 3 EF-0s, 5 EF-1s, an EF-2 & others possible
- Maryland –
  - An EF-1
- New Jersey –
  - An EF-1



## Pennsylvania tornadoes:

- 24 tornadoes this year – Annual average is 15
  - 1 in January
    - average is 0
  - 14 in April
    - average is 2
  - 9 in May
    - average is 3



# May Severe Weather



Photos courtesy of NWS Charleston  
Map courtesy of NOAA

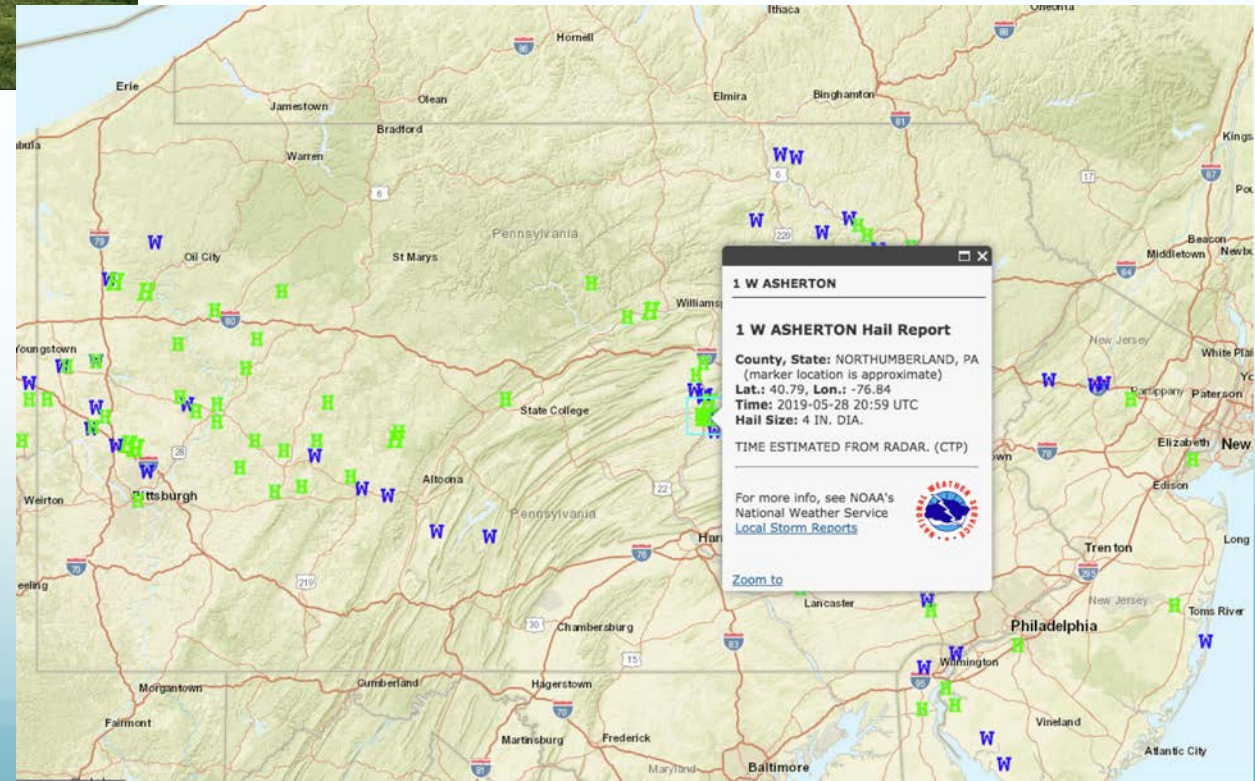


Straight-line (non-tornadic) winds:

- Damage can be similar to tornadoes

Large hail:

- 4" hail (softball-sized) in Pennsylvania
  - Only 5<sup>th</sup> time for 4+ " hail in state
- 3" hail (baseball-sized) in West Virginia

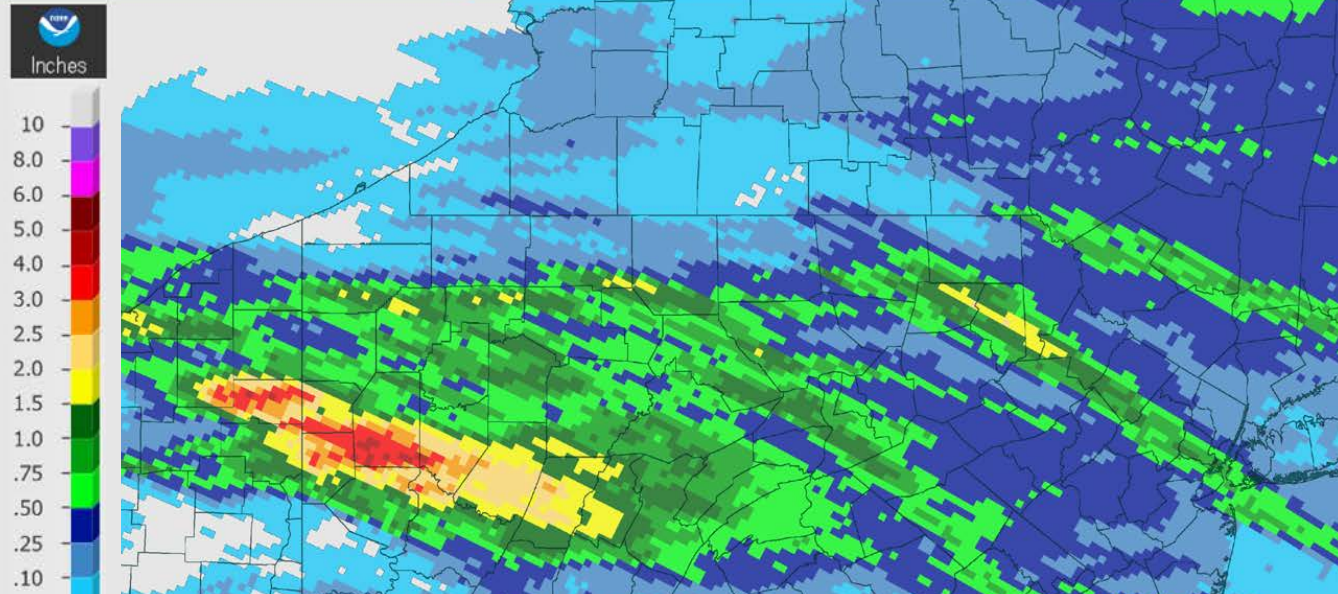




# May Severe Weather

## May 29, 2019 1-Day Observed Precipitation

Created on: May 29, 2019 - 14:57 UTC  
Valid on: May 29, 2019 12:00 UTC



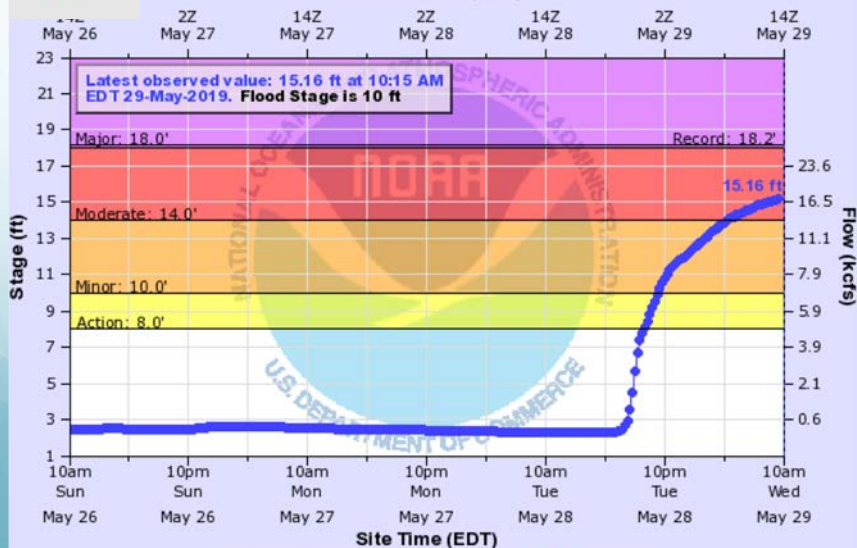
## Heavy rain:

- 2-5" in a few hours in Pennsylvania
- Flash flooding

Images courtesy of NOAA

### CONNOQUESSING CREEK AT ZELIENOPLE

Universal Time (UTC)

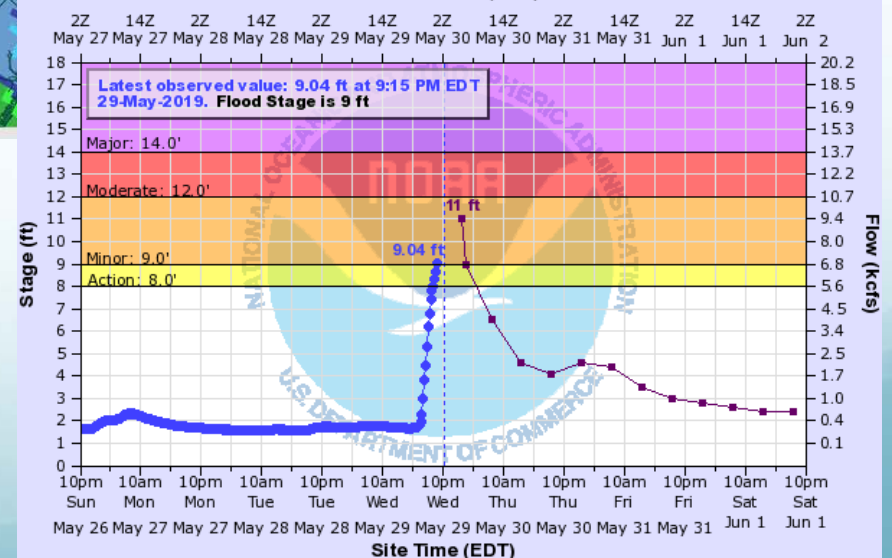


ZLPP1(plotting HGIRG) "Gage 0" Datum: 852.31'

Observations courtesy of US Geological Survey

### NESHAMINY CREEK NEAR LANGHORNE

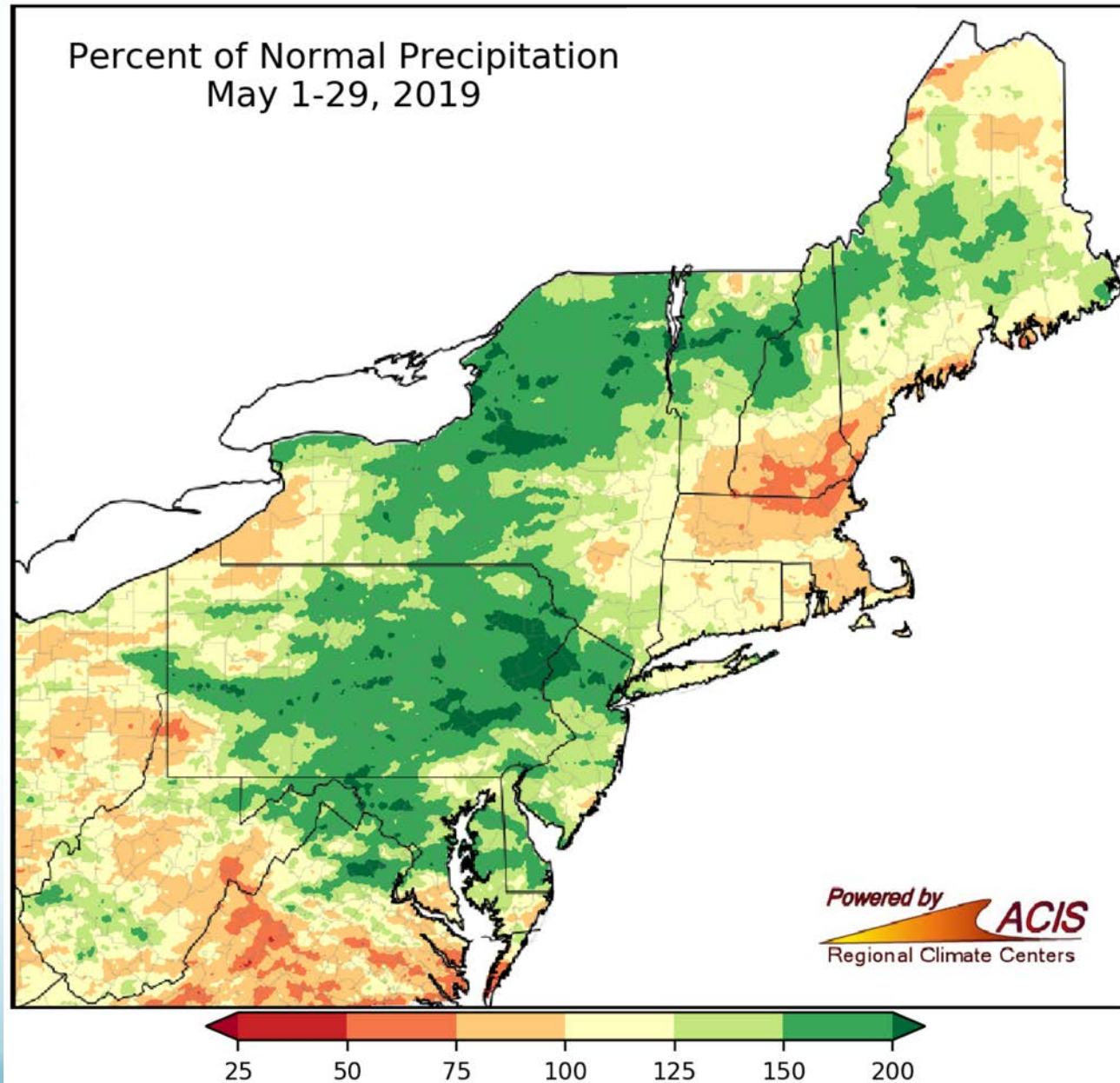
Universal Time (UTC)



LNPG1(plotting HGIRG) "Gage 0" Datum: 40.57'

Observations courtesy of US Geological Survey

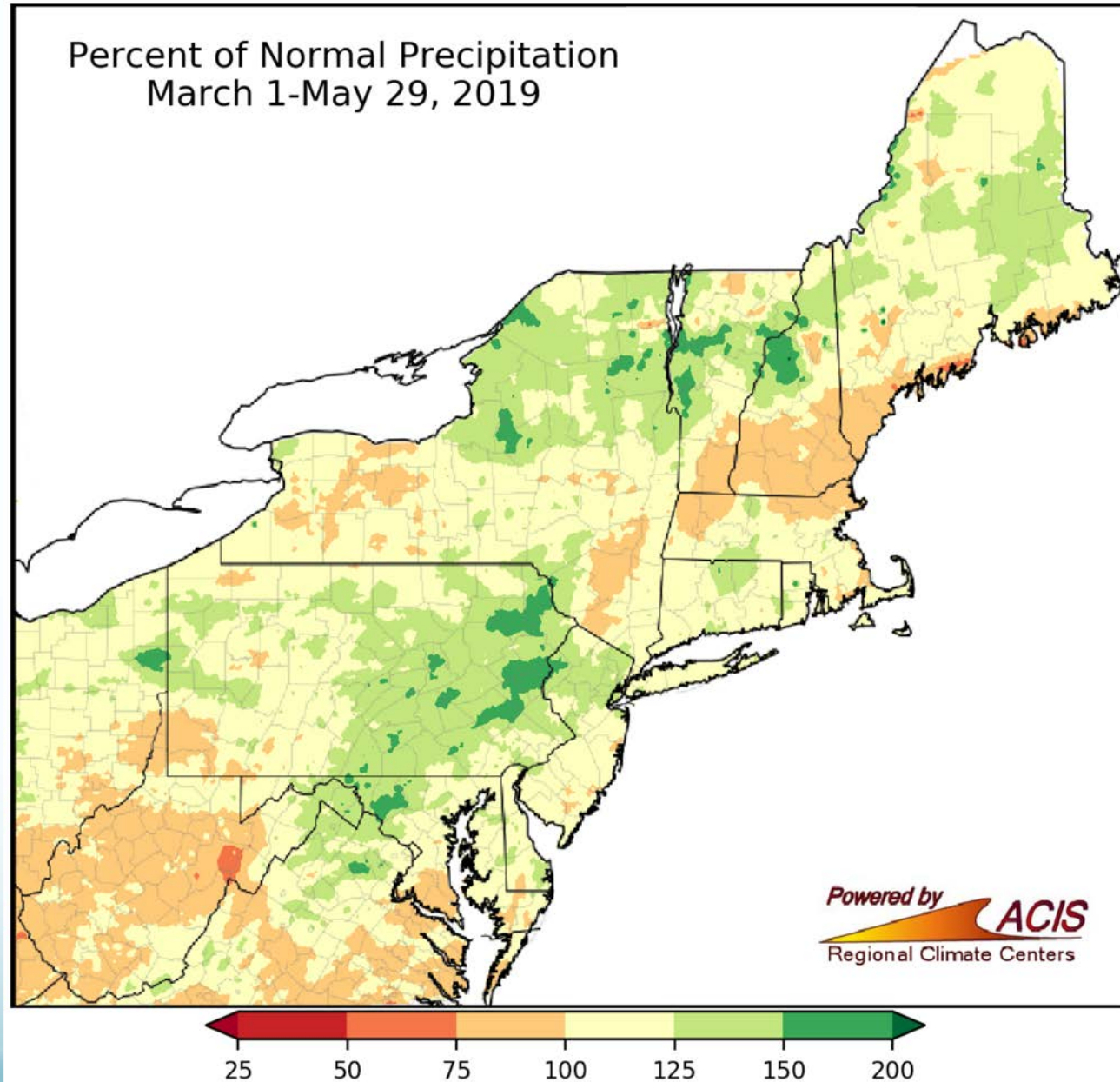
# May Precipitation



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



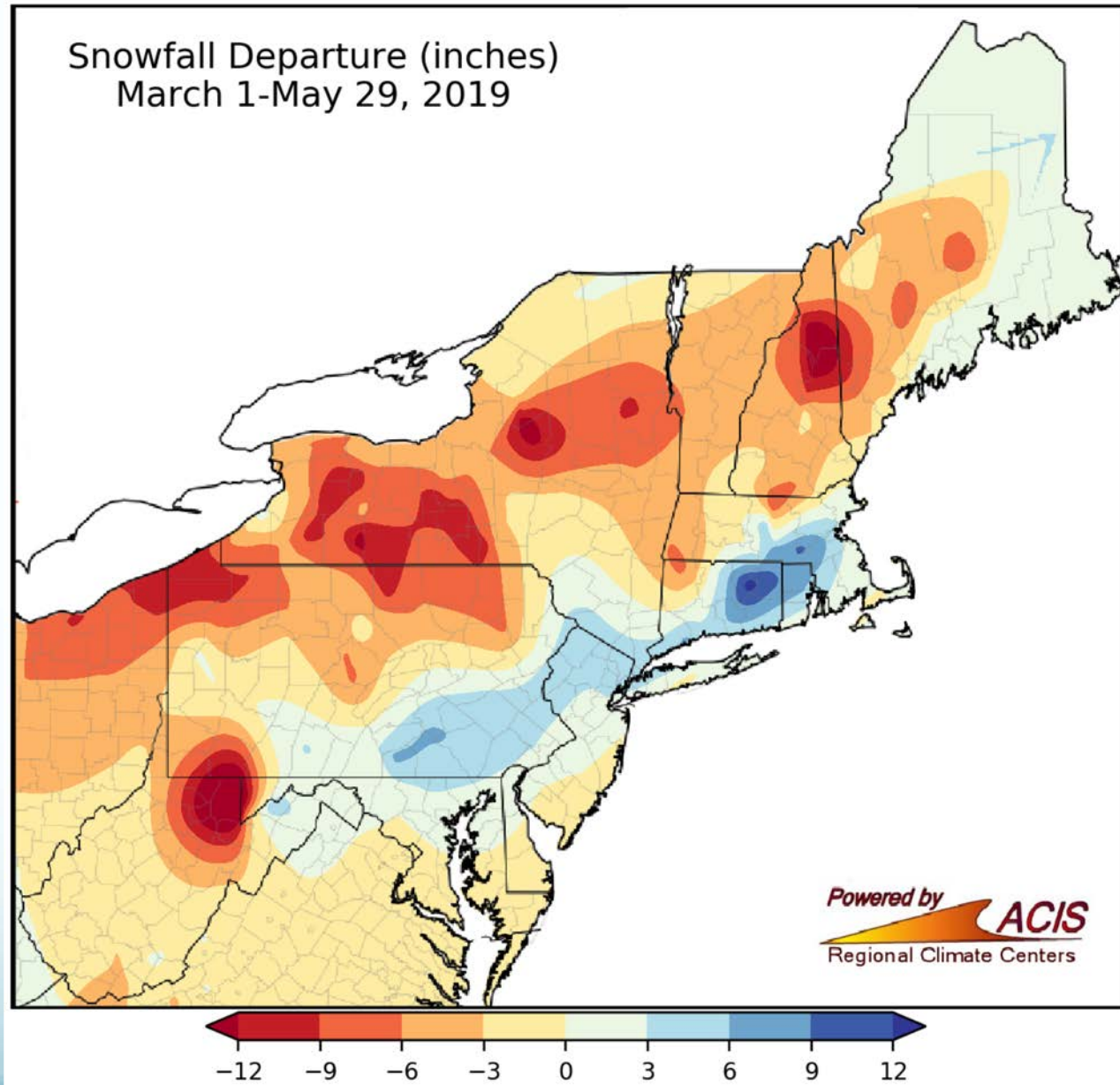
# Spring Precipitation



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

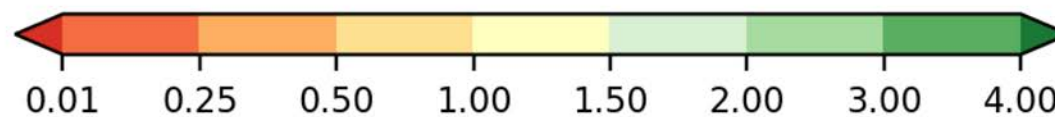
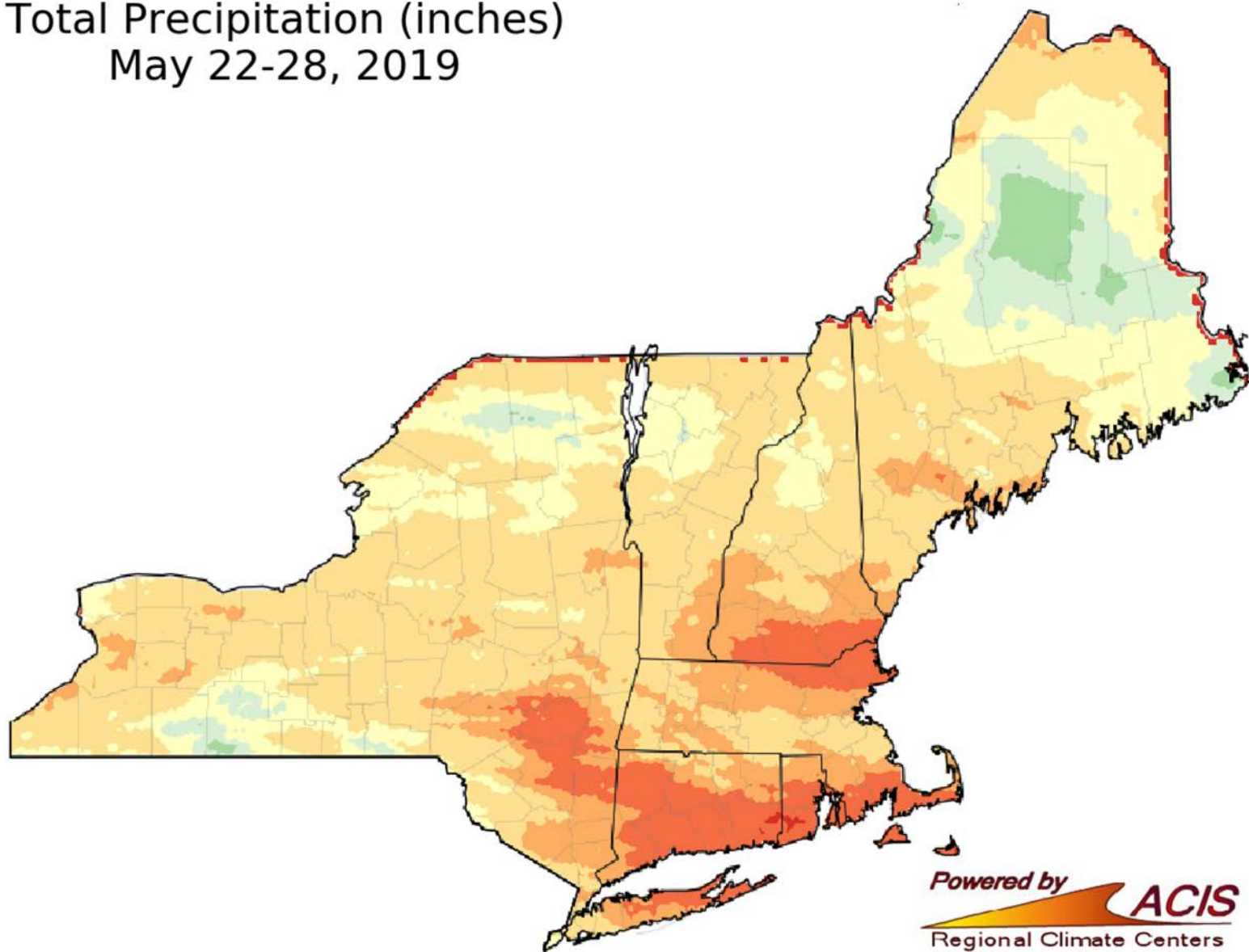


# Spring Snowfall



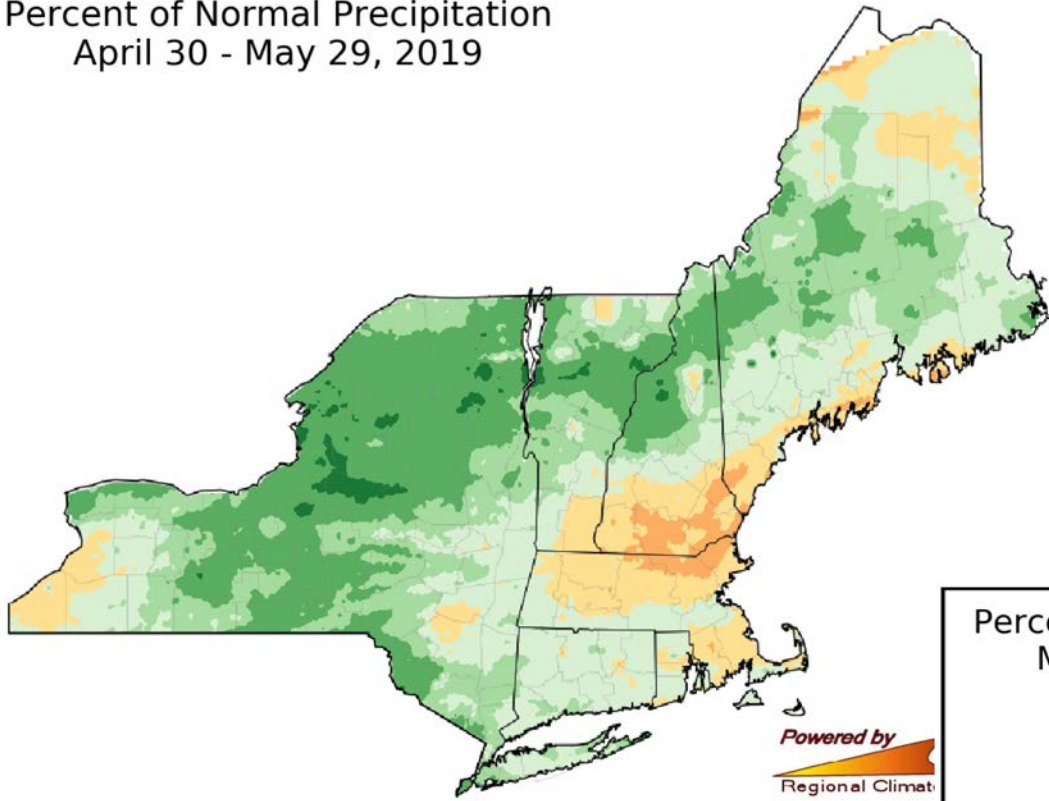
From more than 12" below normal to 12" above normal

# Total Precipitation (inches) May 22-28, 2019

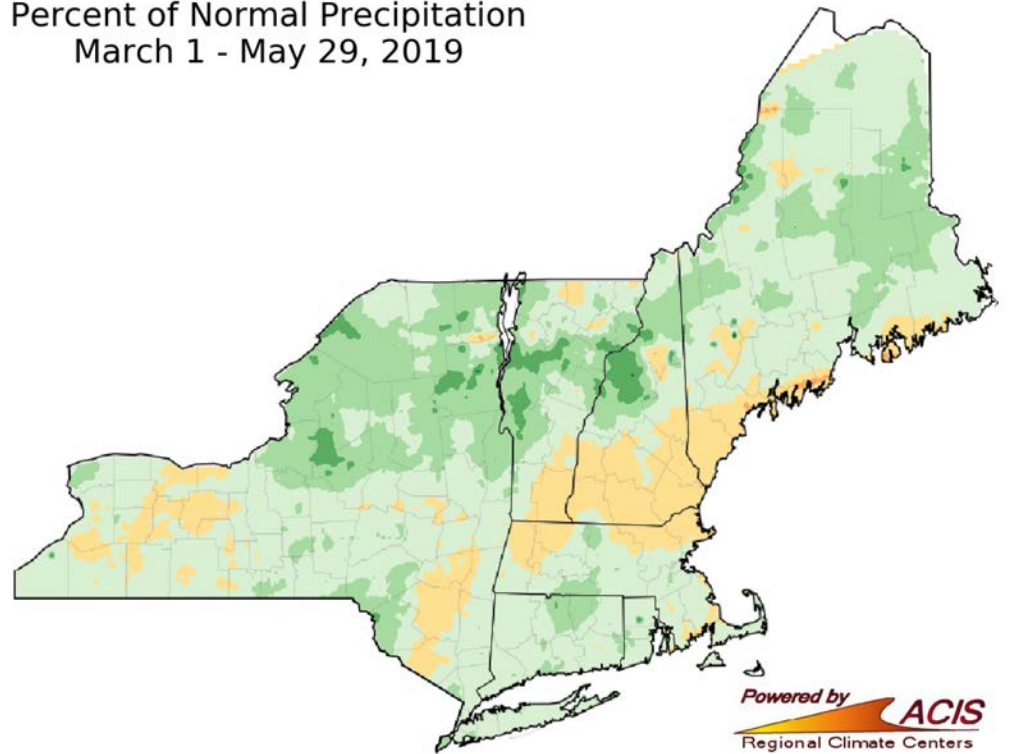




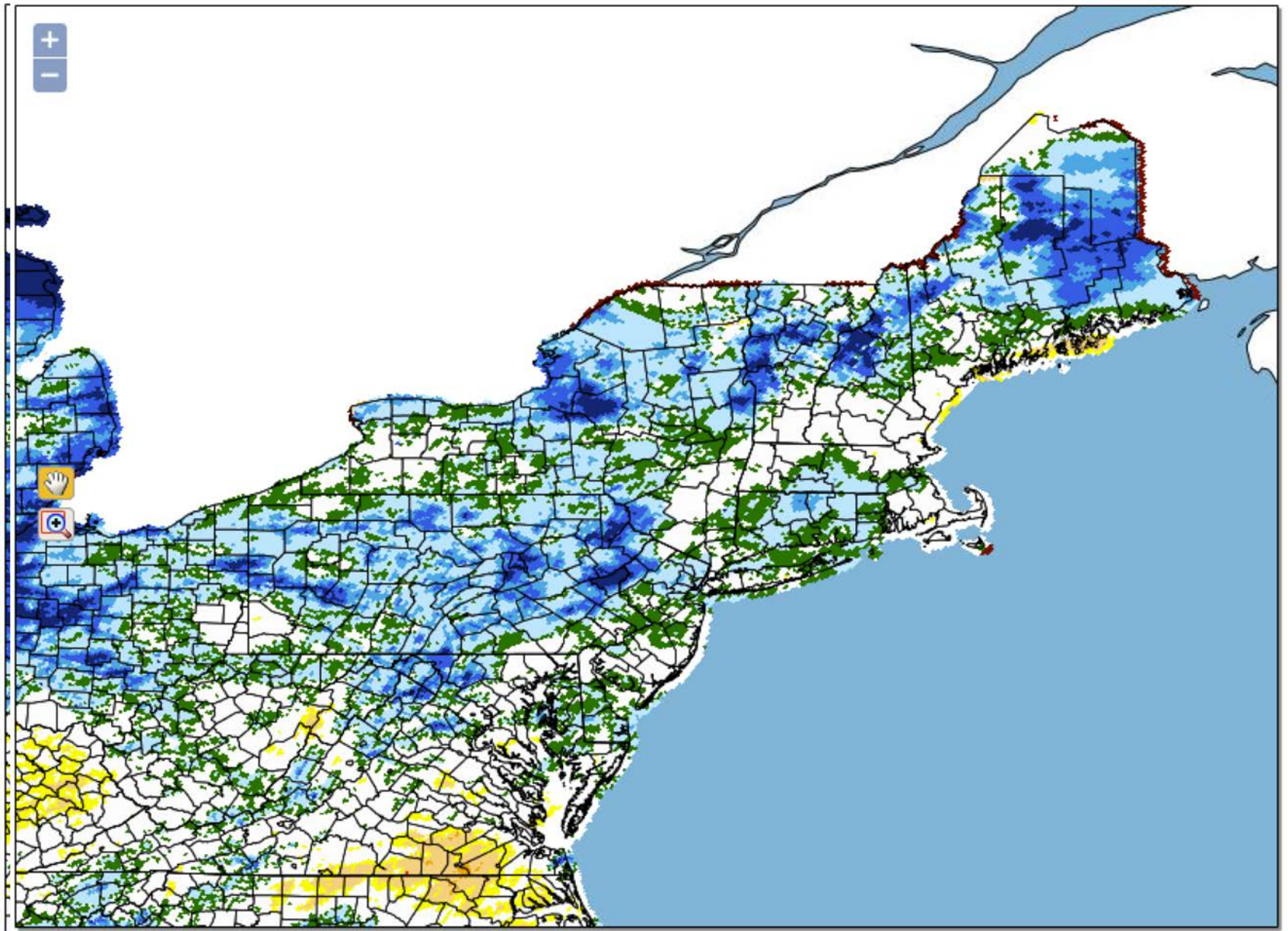
Percent of Normal Precipitation  
April 30 - May 29, 2019



Percent of Normal Precipitation  
March 1 - May 29, 2019



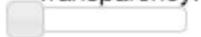
Powered by **ACIS**  
Regional Climate Centers



**60 day SPI for May 29, 2019**



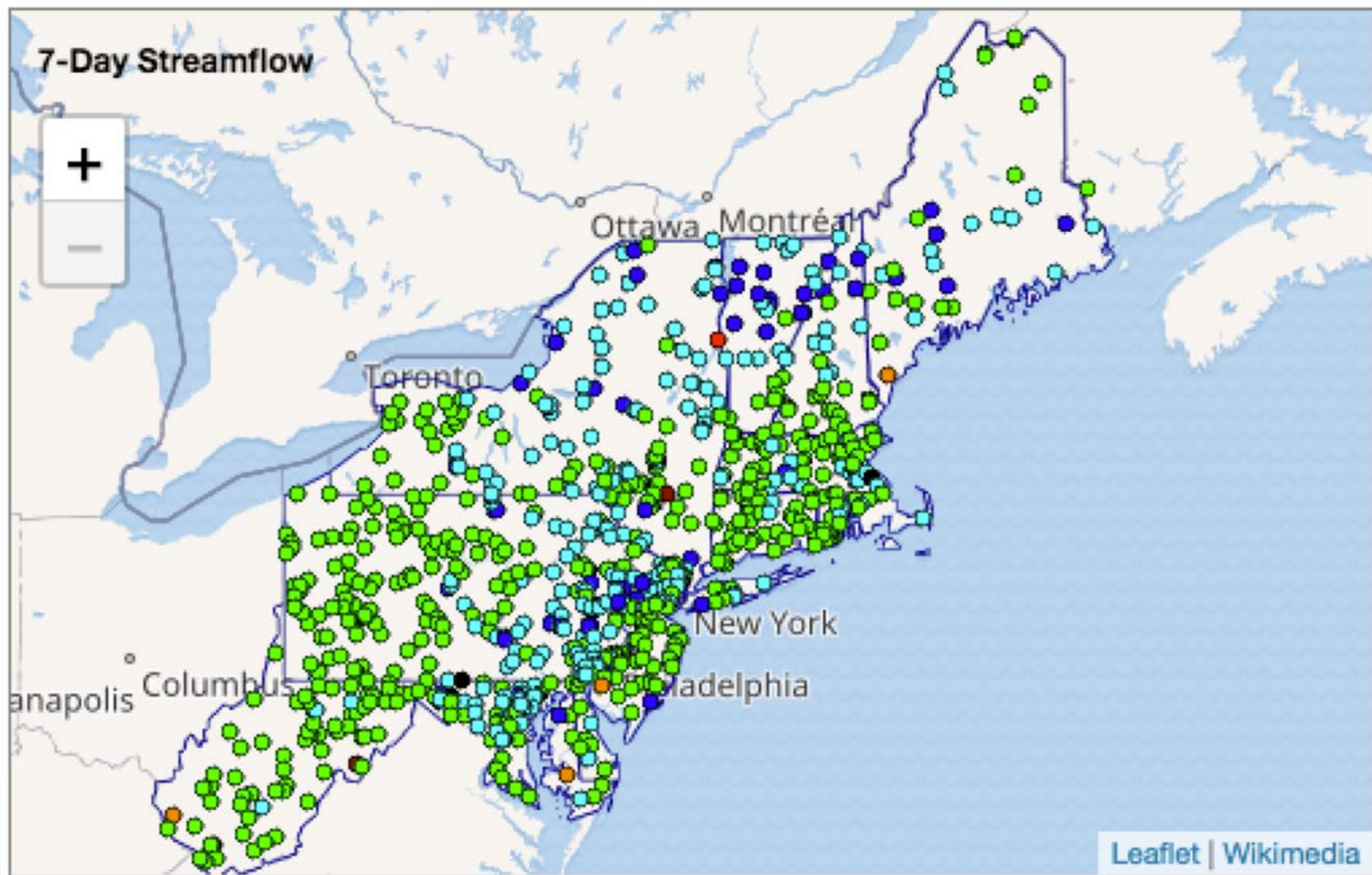
Transparency:



[DOWNLOAD GEOTIFF](#)





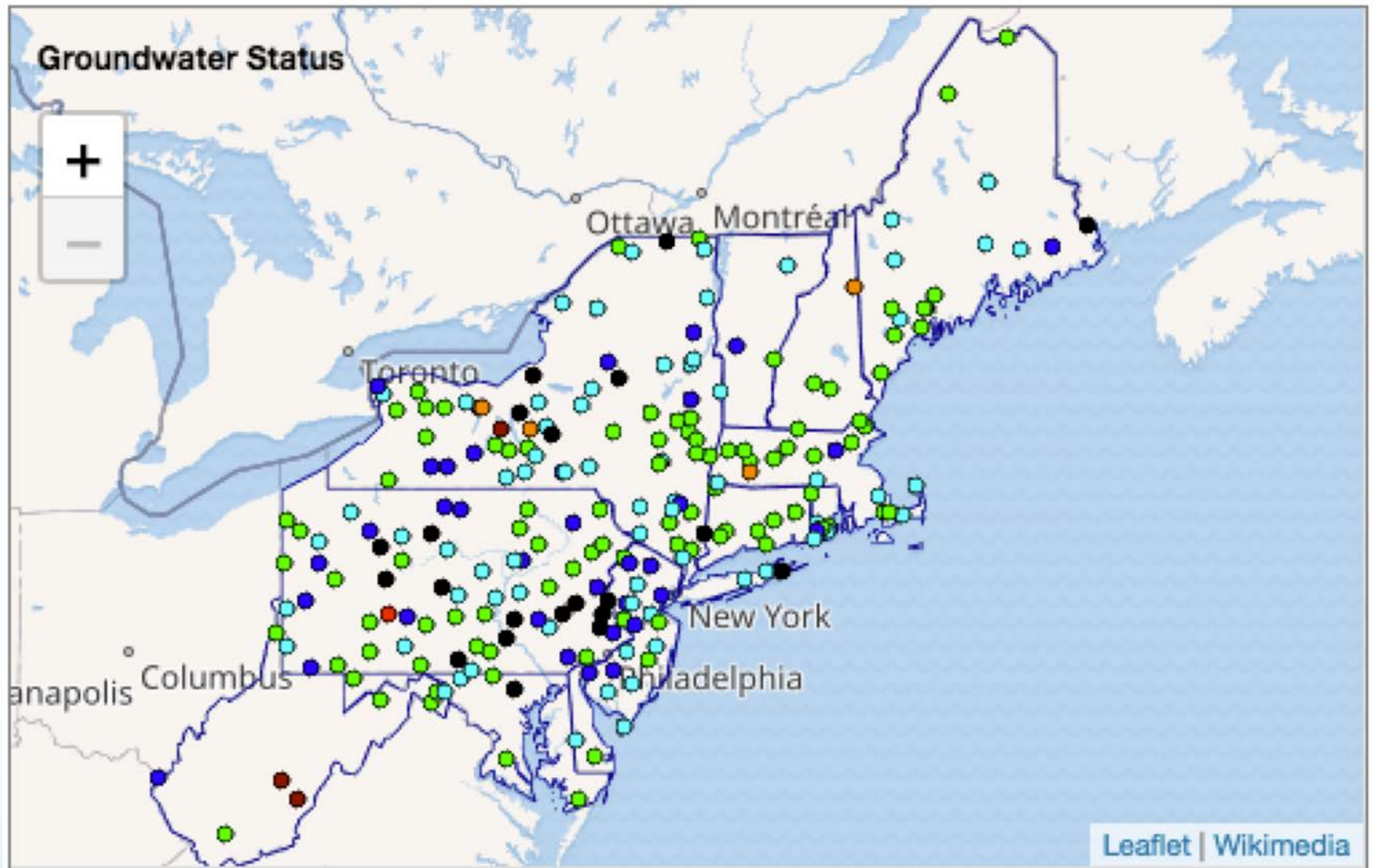


**Explanation - Percentile Classes**

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%		

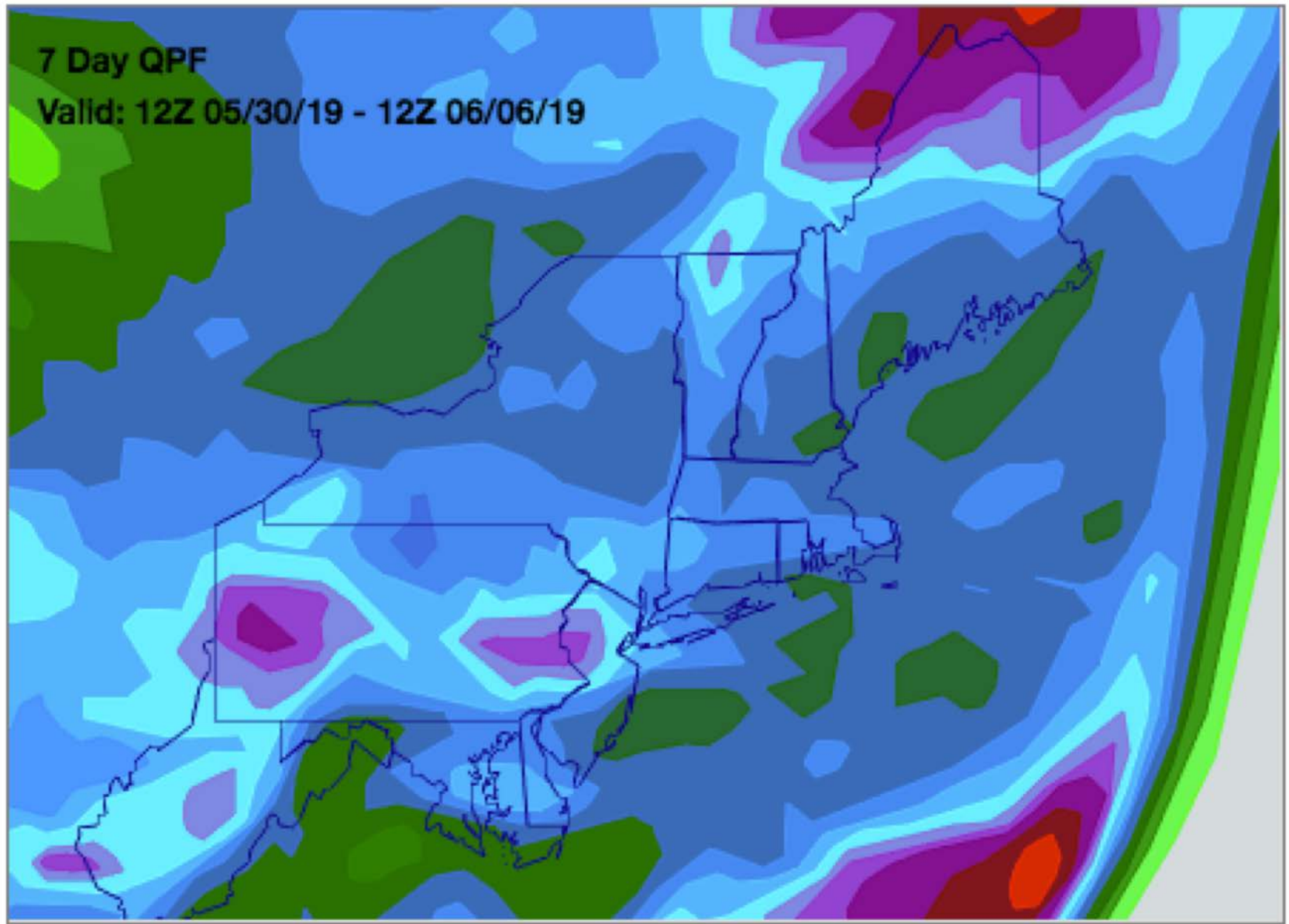
Data provided by [USGS Groundwater Watch](#) - [Climate Response Network](#).



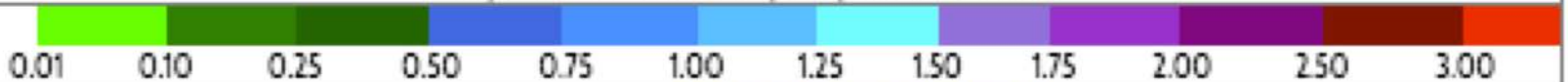


**7 Day QPF**

**Valid: 12Z 05/30/19 - 12Z 06/06/19**



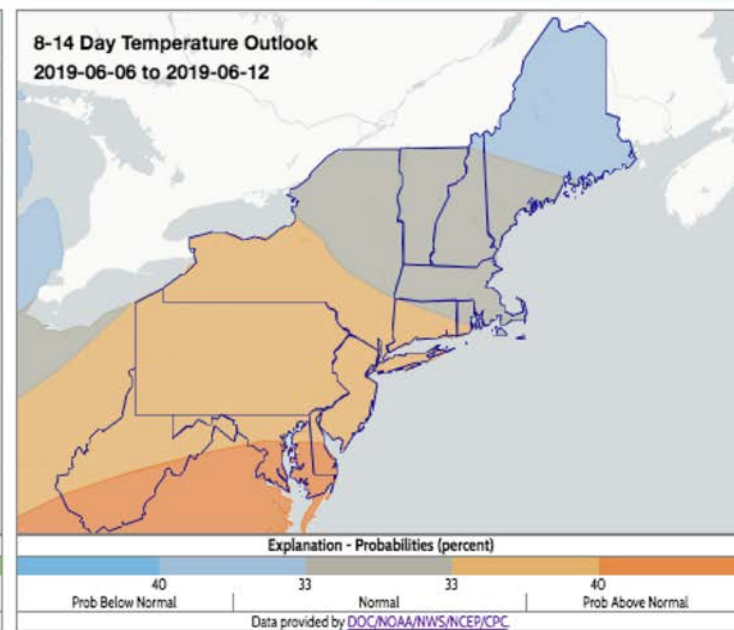
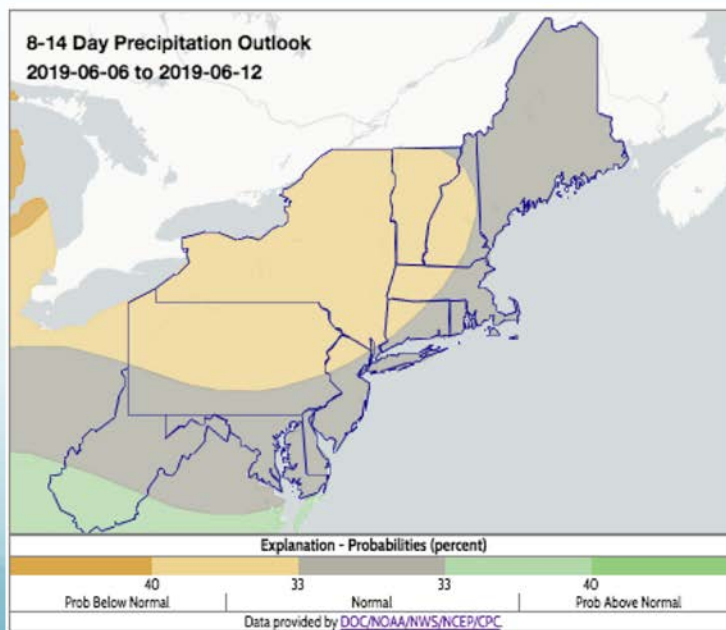
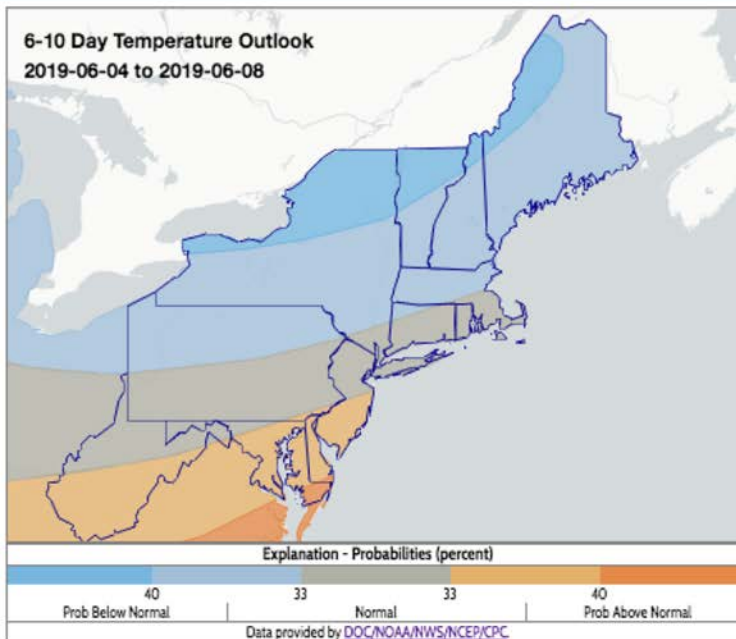
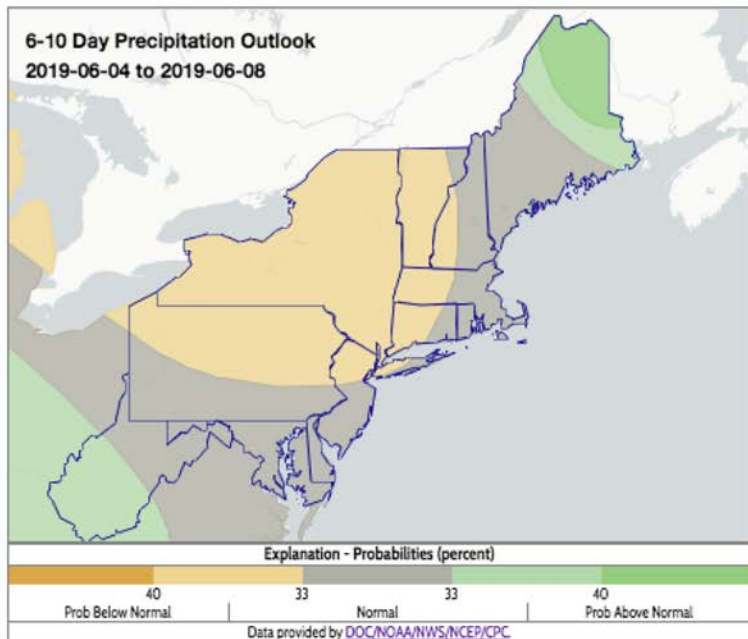
Explanation - Forecast precipitation (inches)



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

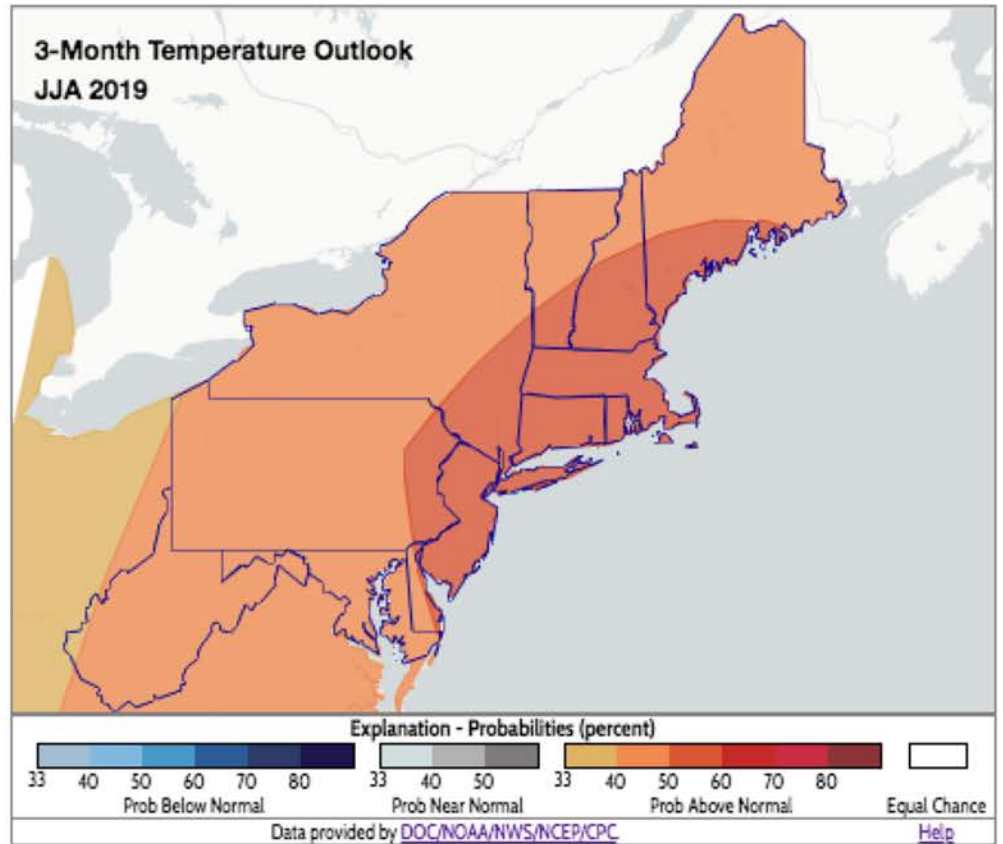
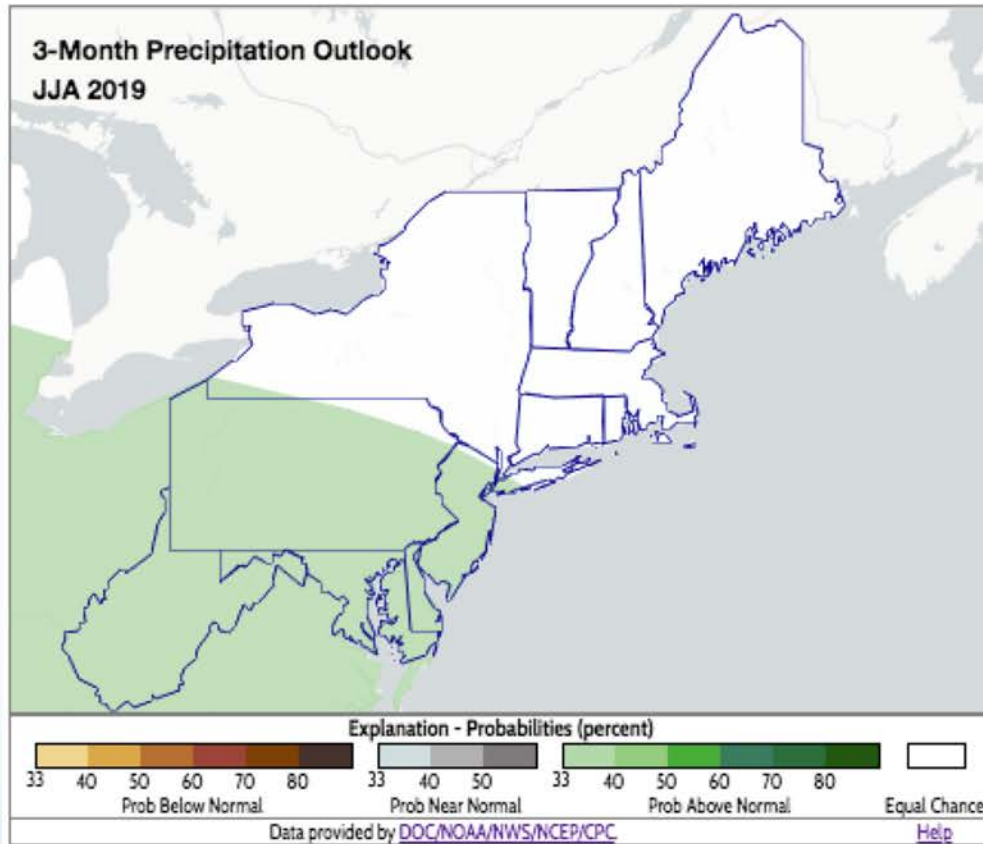


# Short-term Outlooks





# Summer Outlook



# Contact Information

- [nrcc@cornell.edu](mailto:nrcc@cornell.edu)
- 607-255-1751

## Upcoming Webinars

- Thursday, June 27 at 9:30 am
  - TBD
- Tuesday, July 30 at 9:30 am
  - TBD
- Thursday, August 29 at 9:30 am
  - Updated Hurricane Outlook

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