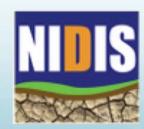
# May Conditions & Northeast DEWS Discussion

By: Samantha Borisoff, Climatologist Northeast Regional Climate Center







### May Temperatures - Cold

Station	May 8-10, 2020 Lowest Temp (°F)	All-time Coldest May Temp (°F)	Rank (coldest)
Binghamton, NY	24.0	24.0	1
Harrisburg, PA	30.0	30.0	1
Kennedy Airport, NY	34.0	34.0	1
LaGaurdia Airport, NY	36.0	36.0	1
Newark, NJ	34.0	33.0	2
Central Park, NY	34.0	32.0	3
Bridgeport, CT	35.0	31.0	4
Islip, NY	34.0	32.0	4
Scranton, PA	29.0	27.0	4
Williamsport, PA	29.0	28.0	4
Wilmington, DE	33.0	30.0	4
Pittsburgh, PA	28.0	26.0	6
Baltimore, MD	34.0	32.0	7
Buffalo, NY	29.0	25.0	7
Philadelphia, PA	35.0	28.0	7
Rochester, NY	29.0	26.0	8
Boston, MA	34.0	31.0	9

Station	May 8-10, 2020 Lowest Max Temp (°F)	All-time Coldest May Max Temp (°F)	Rank (coldest)
Binghamton, NY	35.0	35.0	1
Caribou, ME	34.0	30.0	2
Dulles Airport, VA	50.0	47.0	2
Harrisburg, PA	46.0	43.0	2
Syracuse, NY	39.0	36.0	4
Kennedy Airport, NY	49.0	43.0	5
Williamsport, PA	46.0	44.0	5
Islip, NY	49.0	44.0	6
Rochester, NY	40.0	38.0	6
Scranton, PA	44.0	40.0	6
Wilmington, DE	49.0	44.0	6
Worcester, MA	40.0	37.0	6
Concord, NH	42.0	37.0	7
Burlington, VT	41.0	37.0	8
Elkins, WV	44.0	35.0	8
Philadelphia, PA	49.0	45.0	8
Pittsburgh, PA	43.0	40.0	8



Several sites had their coldest May temperature on record High temperatures ranked among 10 coldest for May

### May Temperatures - Cold

#### Minimum 1-Day Mean Min Temperature for Middletown-Harrisburg Area, PA (ThreadEx)

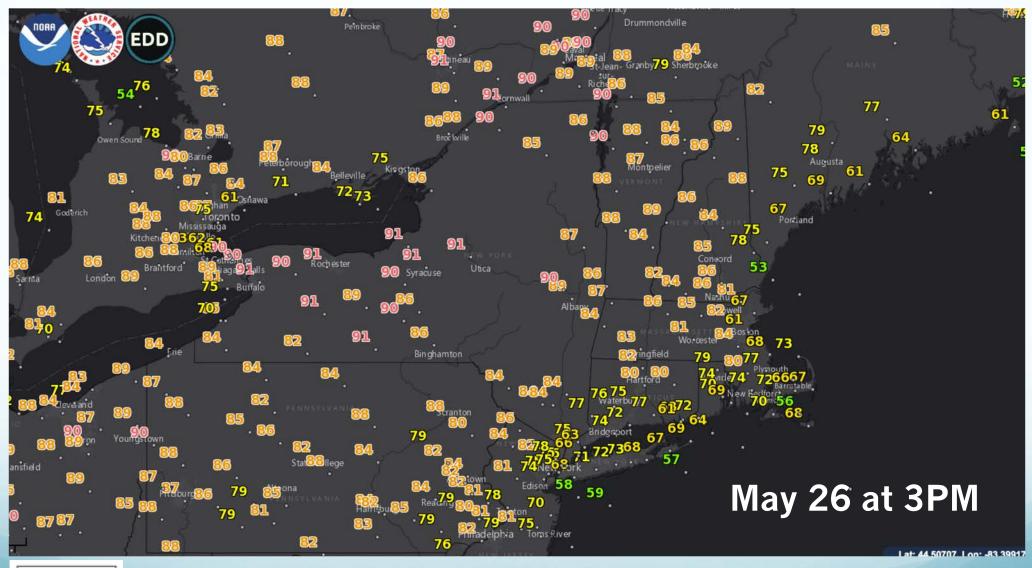
Click column heading to sort ascending, click again to sort descending.

Rank	Value	Ending Date		
1	30.0	2020-05-10		
2	31.0	1966-05-11		
3	32.0	1962-05-10		
-	32.0	1947-05-09		
5	33.0	2020-05-09		
6	34.0	1996-05-14		
-	34.0	1968-05-07		
•	34.0	1966-05-10		
-	34.0	1966-05-05		
-	34.0	1956-05-17		
Last va	lue also occurred in or	e or more previous years.		
Period of record: 1888-07-01 to 2020-05-18				



Low temperatures ranked among the 10 coldest for May on several days at a few locations

#### May Temperatures - Hot





Among the 3 hottest May days on record

Among the 10 earliest 90°F days on record for Buffalo, Erie, & Ithaca

#### May Temperatures - Hot

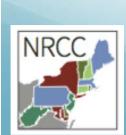
#### Maximum 1-Day Mean Max Temperature for Avoca Area, PA (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Value	Ending Date					
1	93.0	2020-05-26					
-	93.0	2006-05-30					
-	93.0	1962-05-18					
-	93.0	1911-05-23					
-	93.0	1911-05-22					
6	92.0	2016-05-28					
-	92.0	2010-05-26					
-	92.0	1962-05-19					
-	92.0	1934-05-21					
-	92.0	1929-05-30					
Last va	ue also occurred in o	ne or more previous years.					
P	Period of record: 1901-01-01 to 2020-05-26						

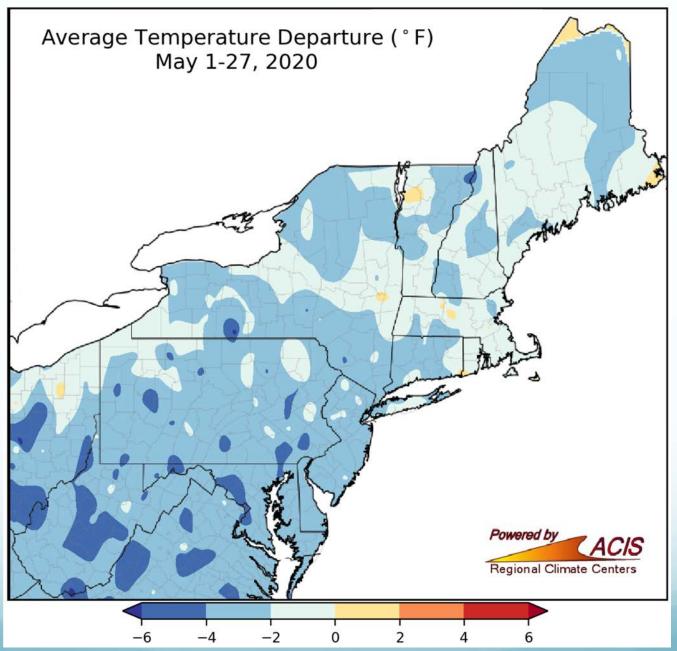
Scranton's hottest May day on record

From winter to summer in just over two weeks!



	May 2020		May 2020	
	Lowest	May Rank	Highest	May Rank
Station	Temp (°F)	(coldest)	Temp (°F)	(hottest)
Binghamton, NY	24 (May 9)	1	88 (May 26)	3
Scranton, PA	29 (May 9)	4	93 (May 26)	1
Rochester, NY	27 (May 13)	4	93 (May 26)	3
Buffalo, NY	29 (May 9)	7	93 (May 26)	2

### May Temperatures





From 6°F below normal to near normal

### May Snowfall

#### Maximum 1-Day Total Snowfall for Elkins Area, WV (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	Value	Ending Date	
1	1.5	2020-05-08	
2	1.0	1954-05-10	
3	0.7	1963-05-01	
4	0.5	1989-05-07	
-	0.5	1923-05-10	
6	0.1	1909-05-02	
7	Т	2020-05-09	
-	Т	2016-05-15	
-	Т	1996-05-12	
-	Т	1989-05-06	
Last va	ue also occurred	in one or more previous years.	
Р	eriod of record: 18	399-01-01 to 2020-05-10	

Elkins - snowiest May day and snowiest May on record

#### Monthly Total Snowfall for Islip Area, NY (ThreadEx)

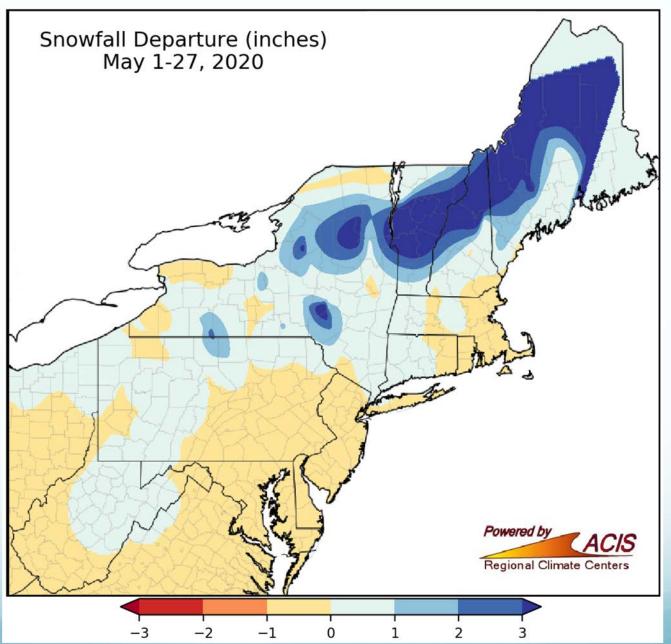
Click column heading to sort ascending, click again to sort descending.

Year	Jan	Feb	Mar	Apr	May	Season
2020	2.5	0.0	T	Т	Т	2.5



Islip – May was snowier than February; latest snowfall on record; tied as snowiest May

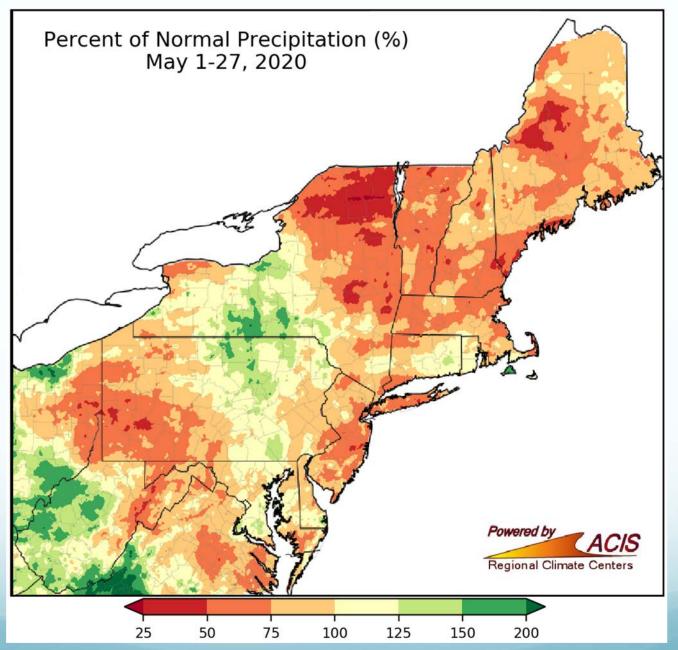
### May Snowfall





From near normal to more than 3" above normal

## May Precipitation





From 25% of normal to 200% of normal

### May Precipitation

Maximum 1-Day Total Precipitation for Charleston Area, WV (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Charleston – 3<sup>rd</sup> wettest May day on record

Beckley

Bluefield

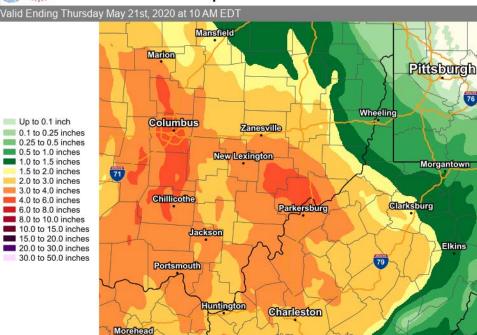
Wytheville

Roanoke

Rank	Value	Ending Date				
1	2.38	1917-05-27				
2	2.26	1994-05-07				
3	2.14	2020-05-20				
4	2.02	1982-05-29				
5	1.99	1995-05-18				
6	1.96	1941-05-31				
7	1.95	2009-05-04				
•	1.95	2008-05-08				
9	1.92	2010-05-12				
10	1.87	1908-05-30				
P	Period of record: 1892-04-02 to 2020-05-25					

S Observed Precipitation

West Liberty



Pikeville

Clintwood

Some areas saw flash flooding



Graphic Created May 21st, 2020 10:09 AM EDT

# May 15 Severe Weather





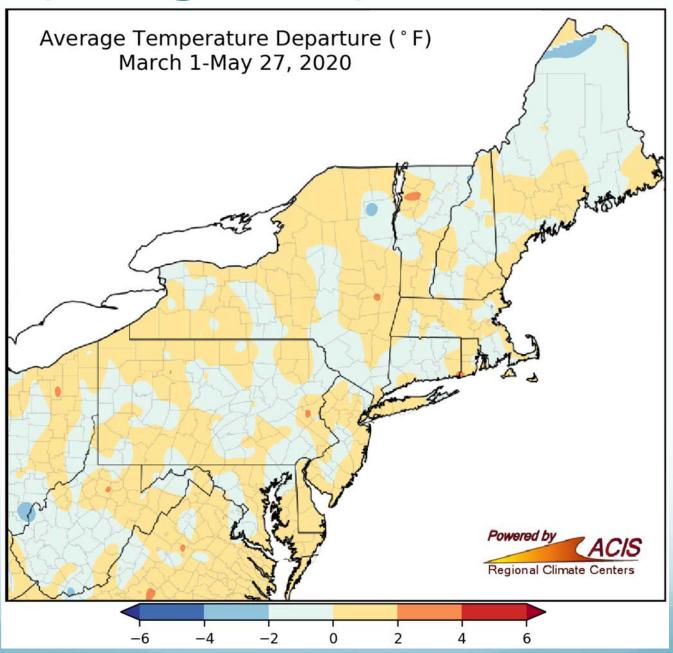
An EF-1 tornado and straightline winds of up to 100 mph caused damage in New York and New England



**Credit: NWS Albany** 



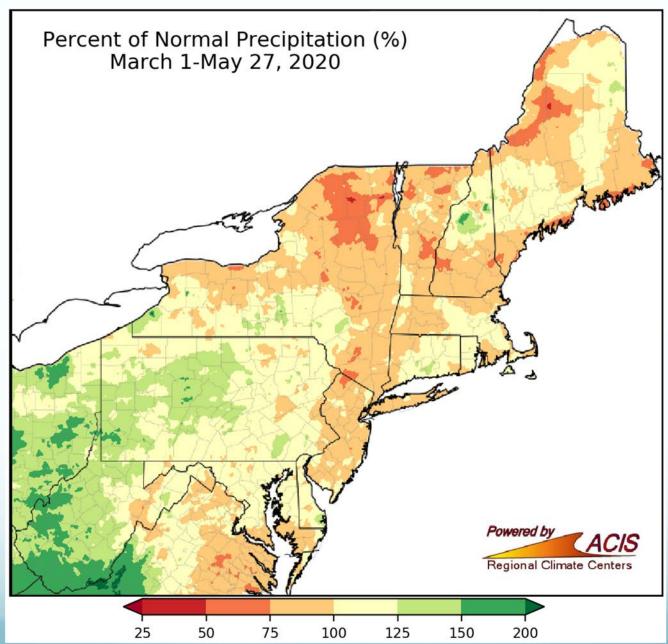
## Spring Temperatures



Within 2°F of normal



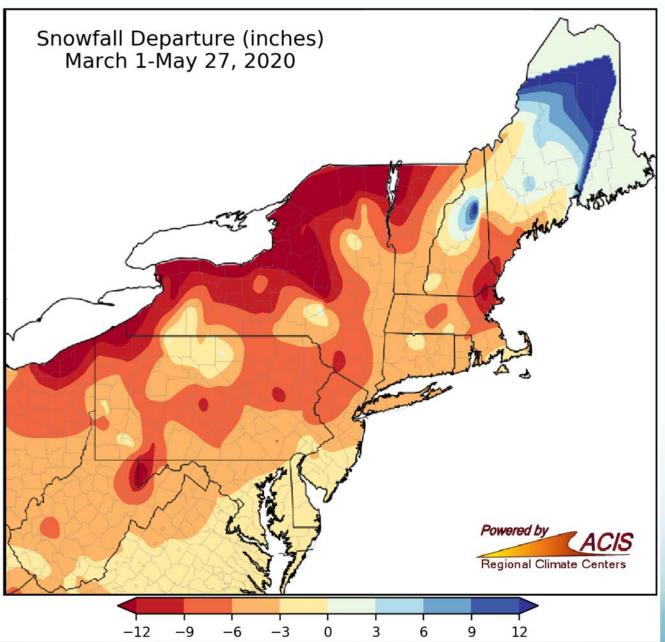
#### Spring Precipitation





From 50% of normal to 200% of normal

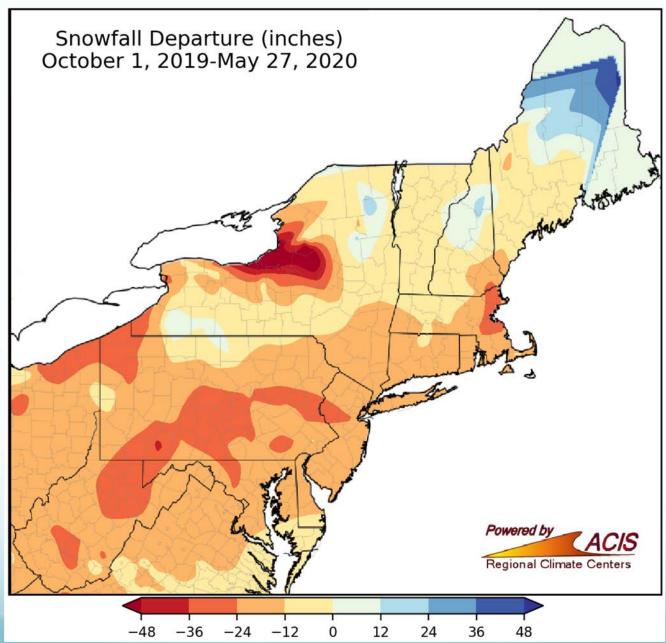
# Spring Snowfall





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

### October-May Snowfall





From more than 48" below normal to 48" above normal

### October-May Snowfall

#### Time Series Summary for Middletown-Harrisburg Area, PA (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank Ending Date		k Ending Date Total Snowfall Oct 1 to May 31	
1	2020-05-31	5.1	4
2	1995-05-31	9.0	0
3	1938-05-31	9.5	0

#### Time Series Summary for Philadelphia Area, PA (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Rank	<b>Ending Date</b>	Total Snowfall Oct 1 to May 31	Missing Count
1	1973-05-31	Т	0
2	2020-05-31	0.3	4
3	1998-05-31	0.8	0
4	1950-05-31	2.0	0
5	2012-05-31	4.0	0
-	2002-05-31	4.0	0

#### Time Series Summary for Washington Area, DC (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

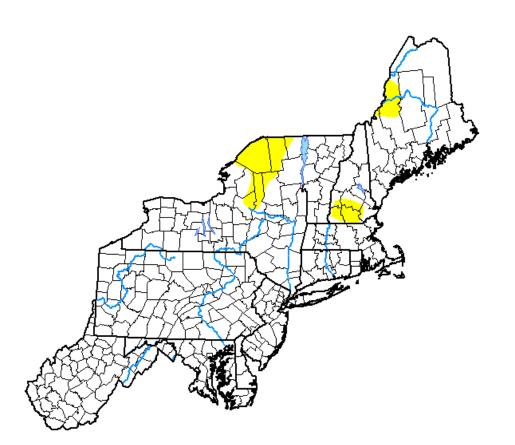
Rank	<b>Ending Date</b>	Total Snowfall Oct 1 to May 31	Missing Count
1	1998-05-31	0.1	0
-	1973-05-31	0.1	0
3	2020-05-31	0.6	6
4	2012-05-31	2.0	0
5	1976-05-31	2.2	0



### Drought Monitor

U.S. Drought Monitor

Northeast



May 26, 2020

(Released Thursday, May. 28, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	94.65	5.35	0.00	0.00	0.00	0.00
Last Week 05-19-2020	96.65	3.35	0.00	0.00	0.00	0.00
3 Month's Ago 02-25-2020	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 12-31-2019	99.61	0.39	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2019	48.74	51.26	8.49	2.23	0.00	0.00
One Year Ago 05-28-2019	100.00	0.00	0.00	0.00	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:

Curtis Riganti National Drought Mitigation Center



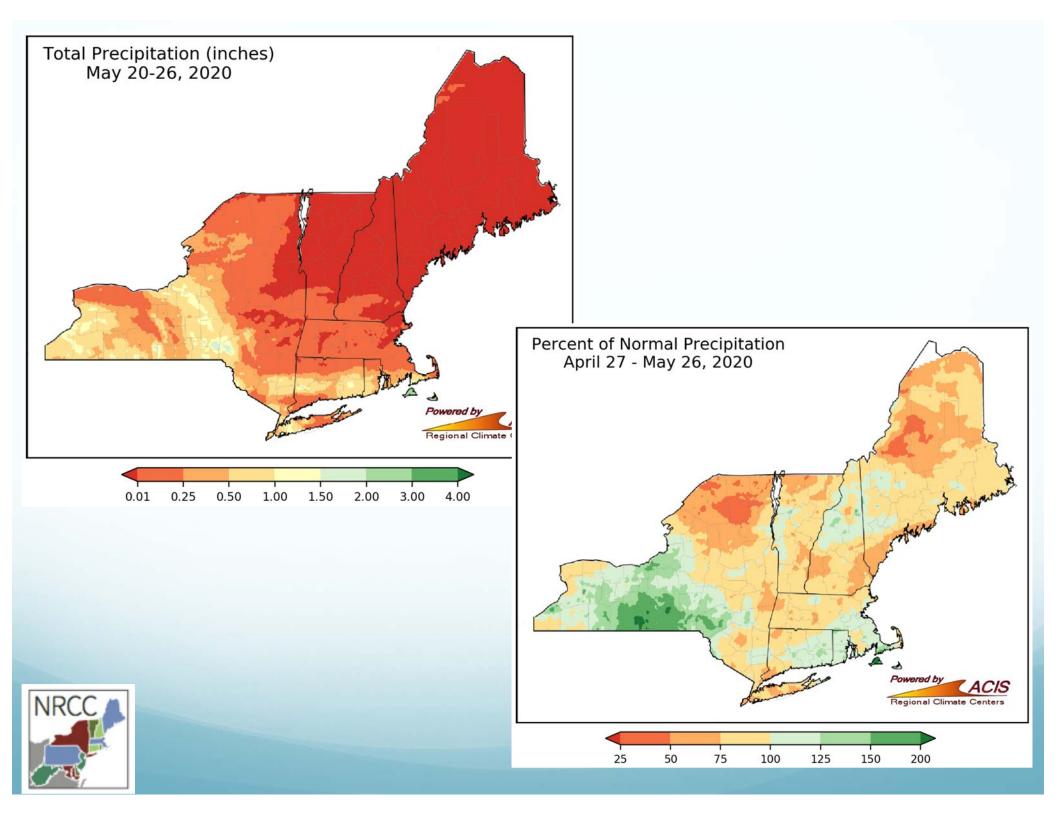


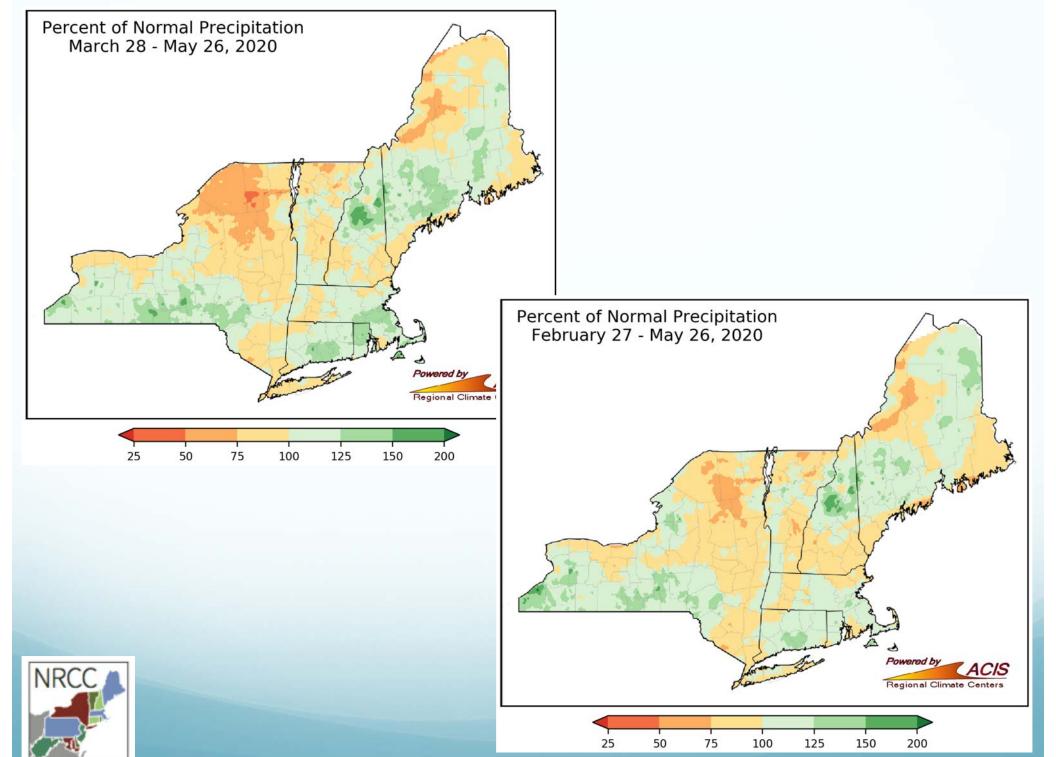


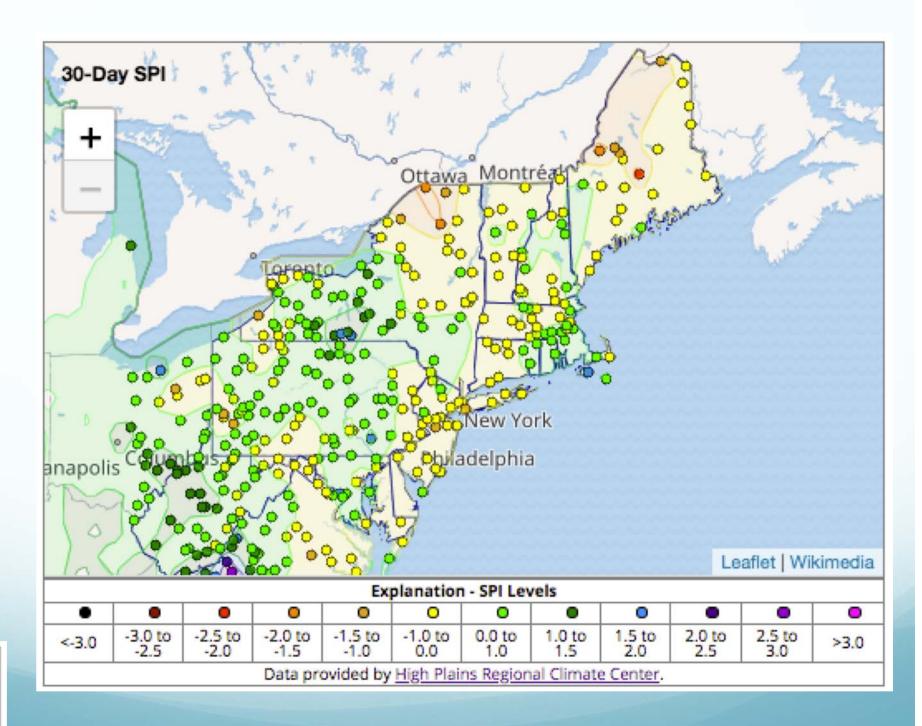


droughtmonitor.unl.edu

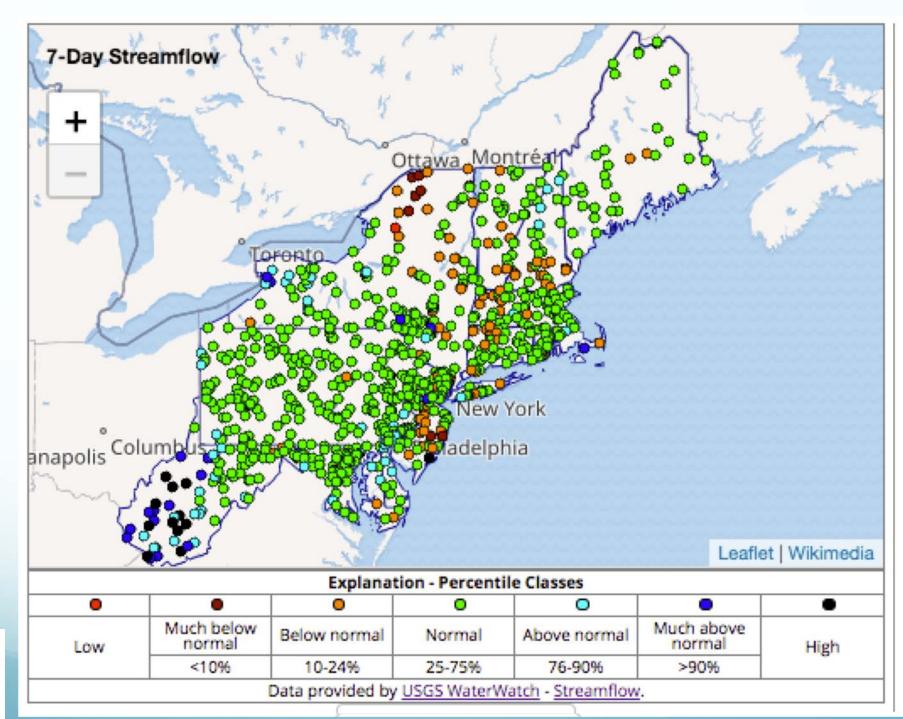




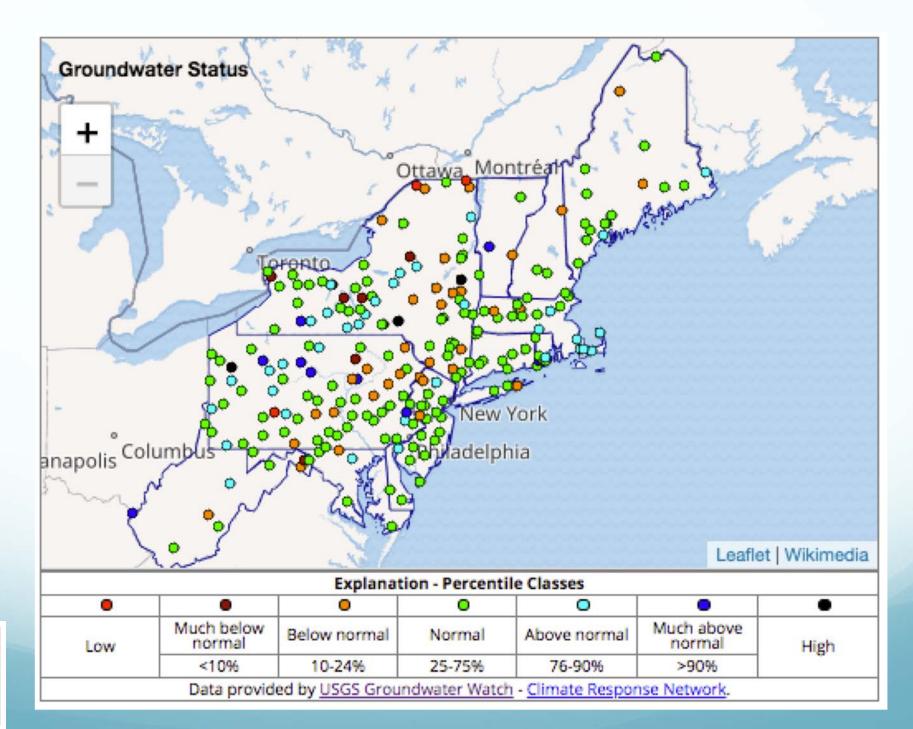




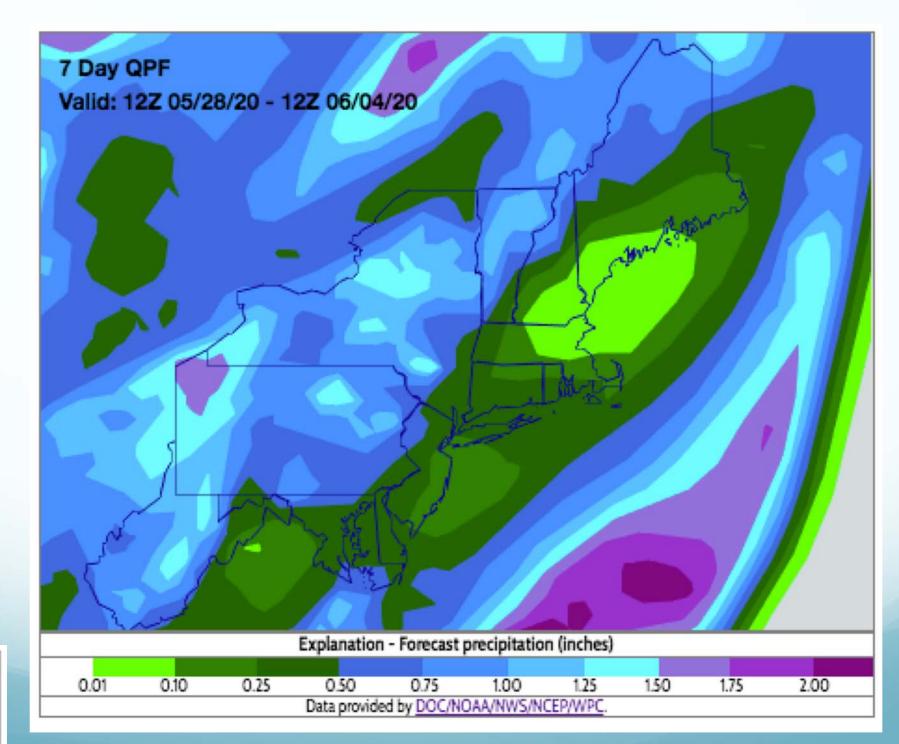






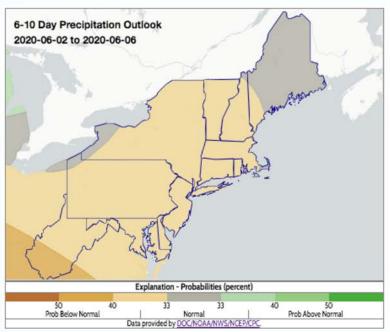


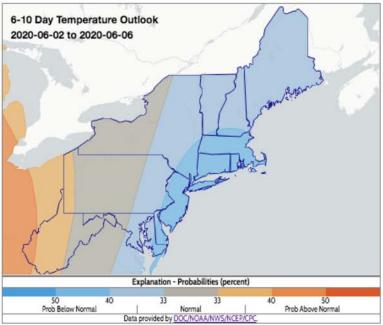


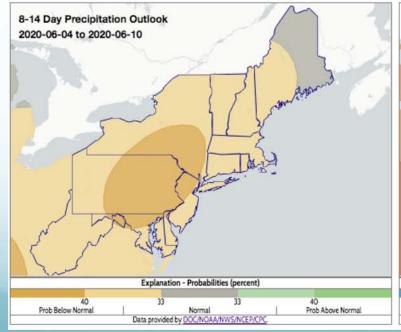


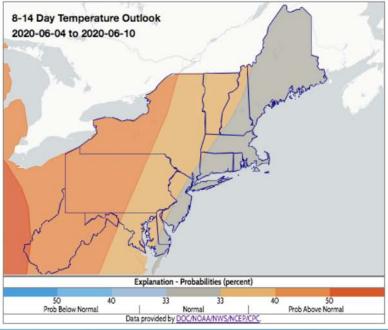


#### Short-term Outlooks



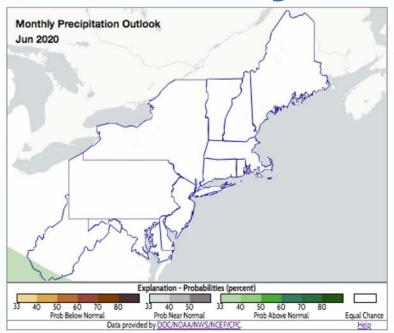


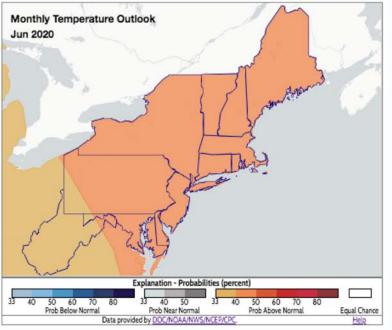


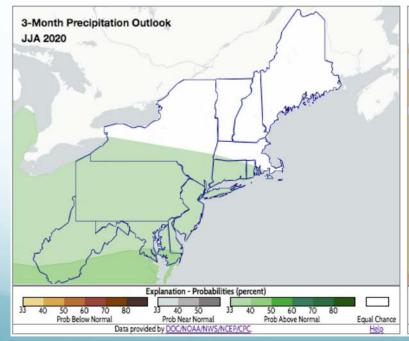


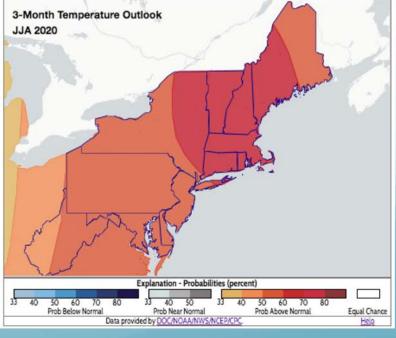


#### Monthly & 3-Month Outlooks











#### **Contact Information**

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

#### Upcoming Webinars

- Tuesday, June 30 at 9:30am
  - Heat Season
- Thursday, July 30 at 9:30am
  - EDDI (Evaporative Demand Drought Index)
- Thursday, August 27 at 9:30am
  - Hurricane Outlook & Season Update



www.nrcc.cornell.edu