

December Conditions & Northeast DEWS Discussion

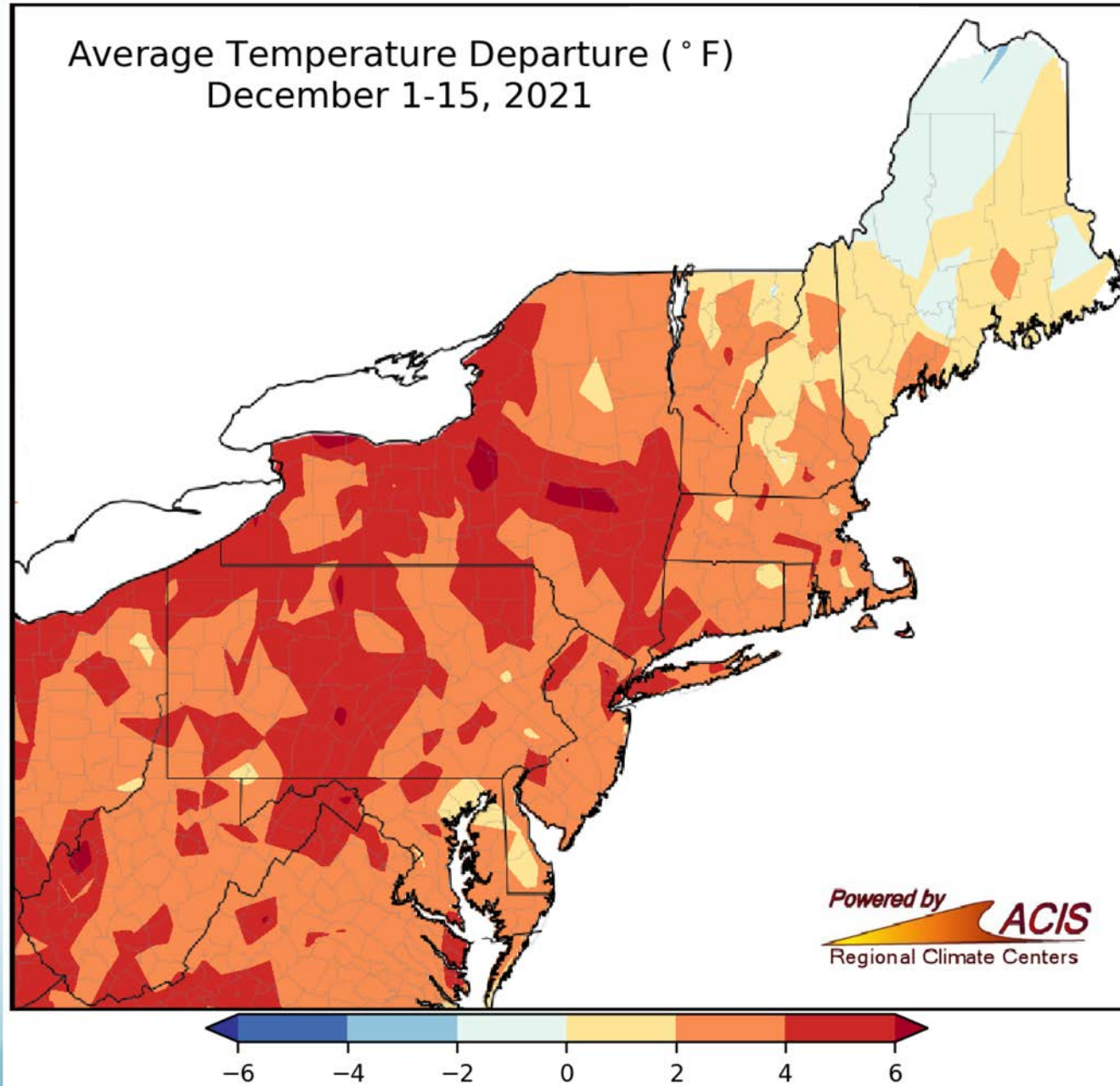
By: Samantha Borisoff, Climatologist
Northeast Regional Climate Center



Northeast Regional
Climate Center

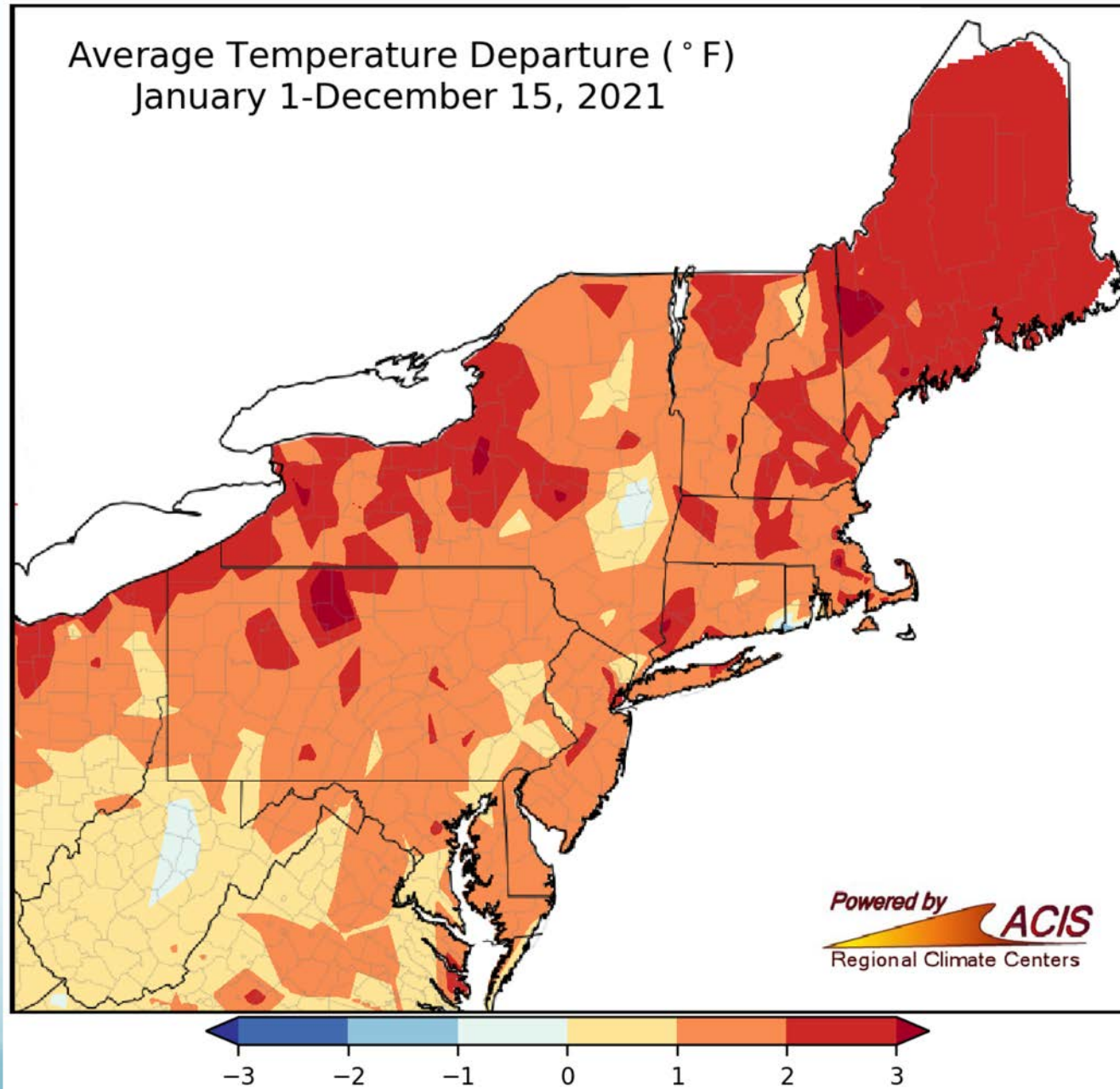


December Temperatures



From 2°F below normal to more than 6°F above normal

Annual Temperatures

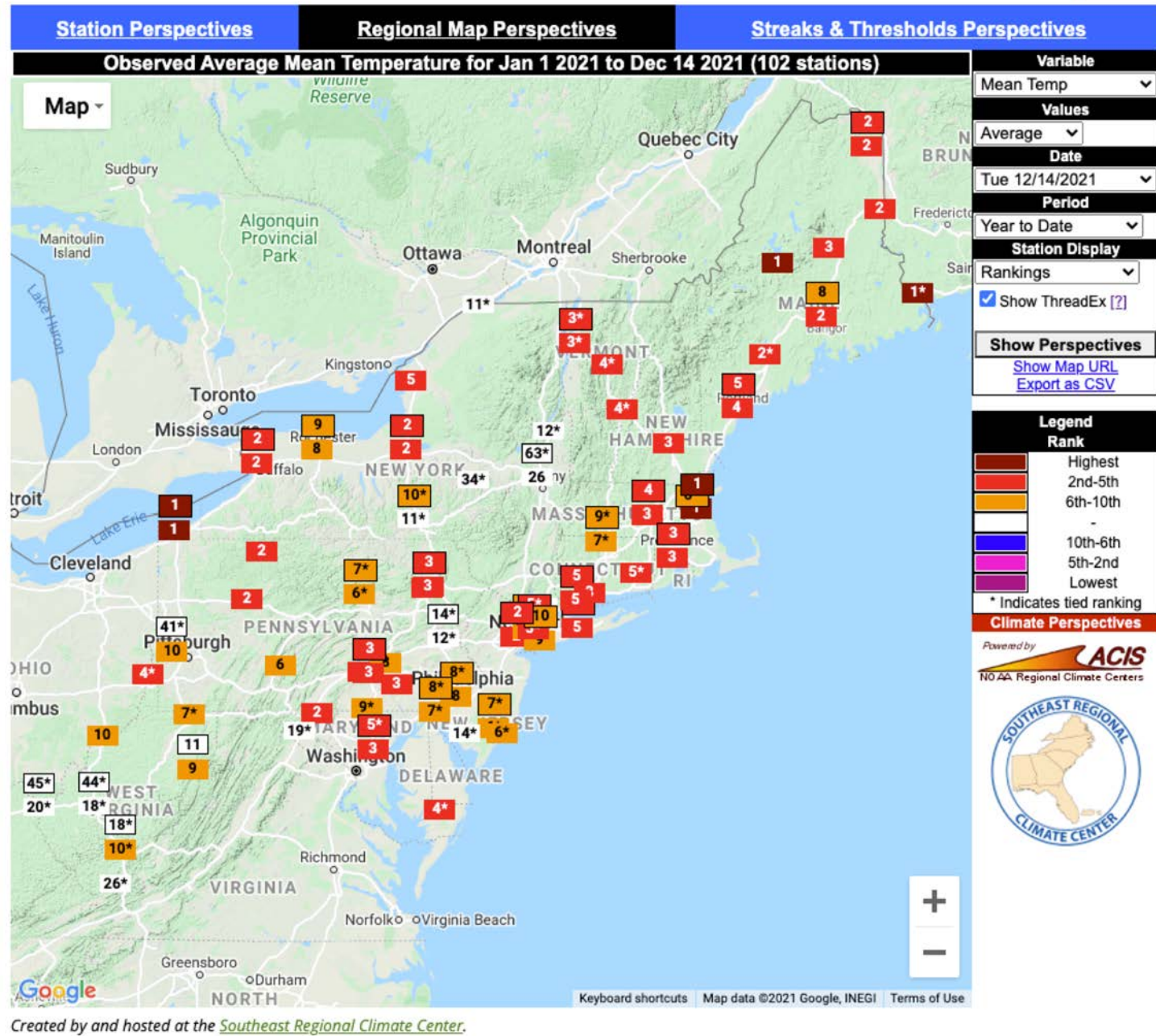


From 1°F below normal to more than 3°F above normal

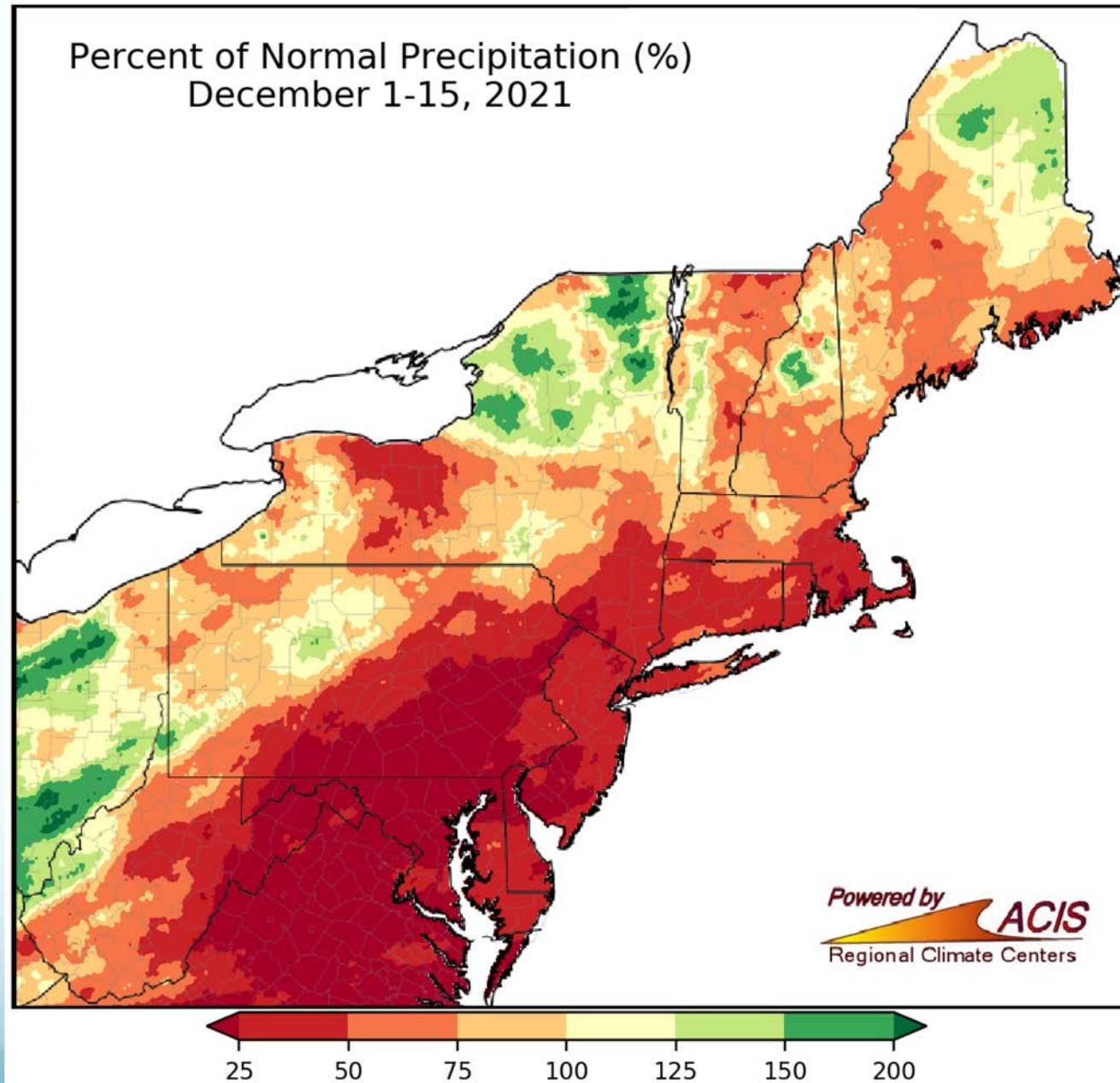
Annual Temperatures

Southeast RCC Climate Perspectives

Expand

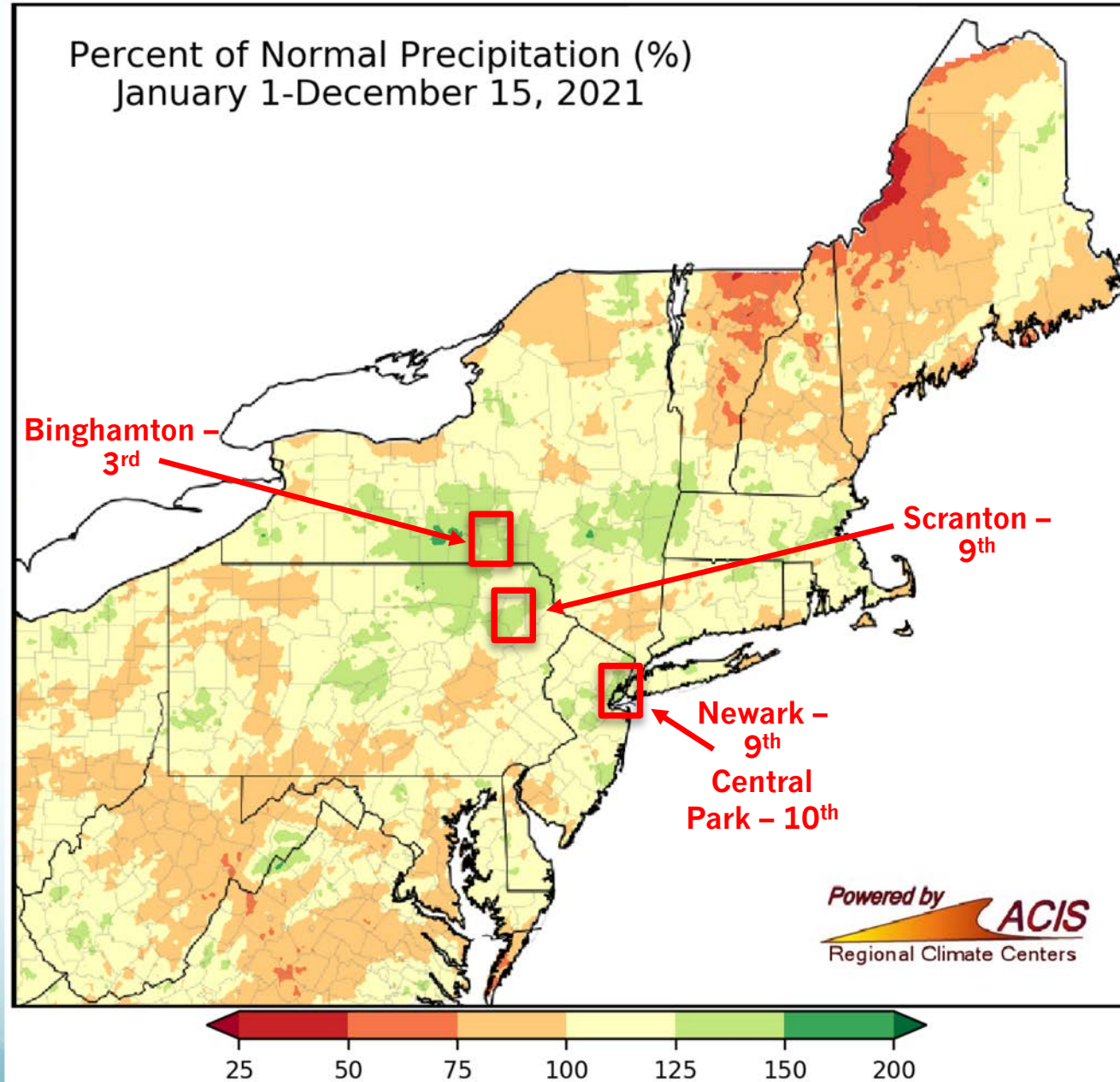


December Precipitation



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

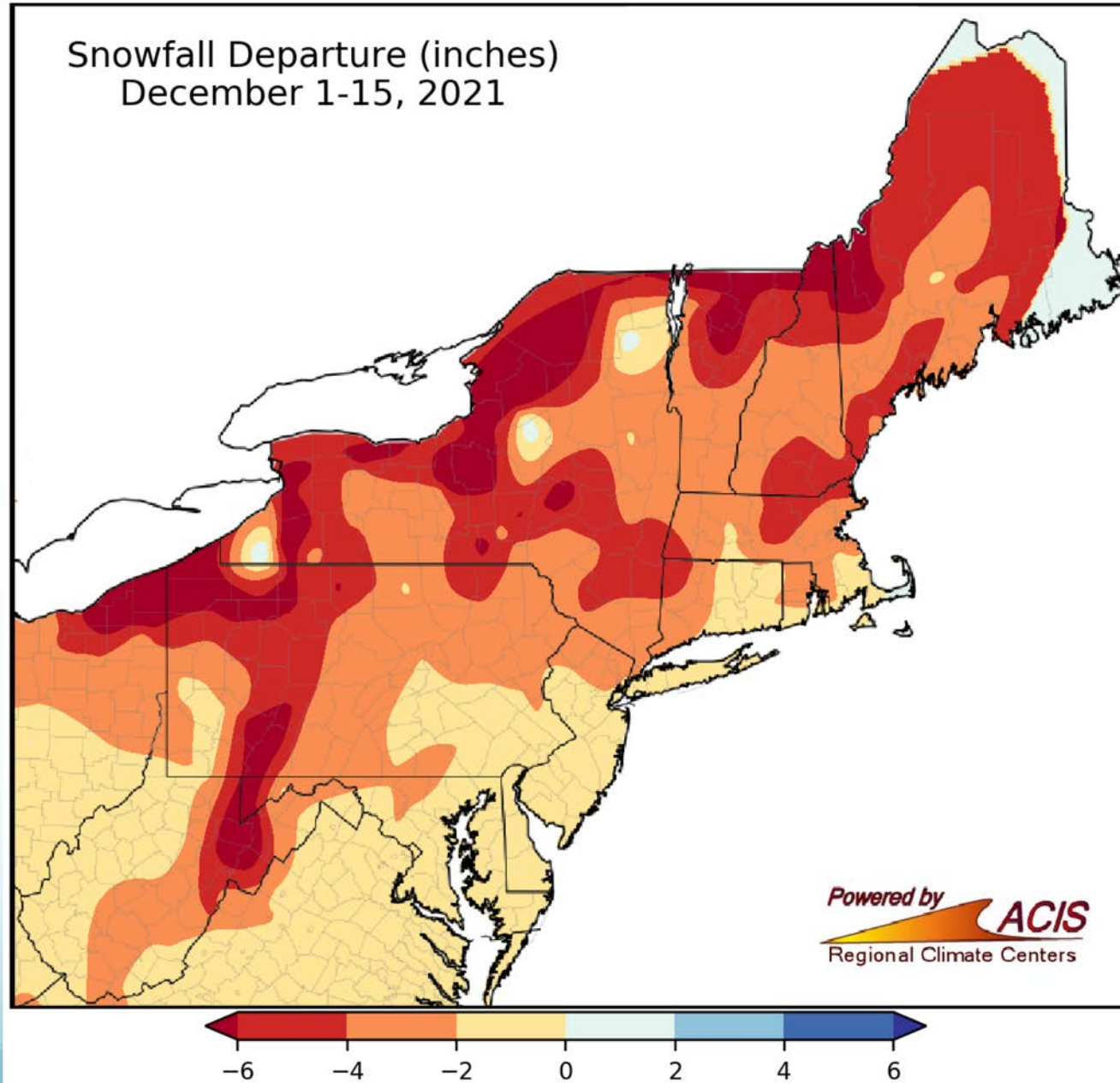
Annual Precipitation



From 50% of normal to 150% of normal



December Snowfall



From more than 6" below normal to near normal

Dec. 11 Winds

...ERIE COUNTY...

BUFFALO	71 MPH	0342 PM 12/11	NOS-NWLN
BUFFALO AIRPORT	66 MPH	0354 PM 12/11	ASOS
BLASDELL	65 MPH	0346 PM 12/11	CWOP
HAMBURG	64 MPH	0341 PM 12/11	WXFLOW
ELMA	60 MPH	0508 PM 12/11	CWOP
EAST AURORA	59 MPH	0555 PM 12/11	NYSM
ALDEN	58 MPH	0448 PM 12/11	CWOP
LANCASTER	58 MPH	0509 PM 12/11	CWOP
BUFFALO	58 MPH	0510 PM 12/11	NYSM
GRAND ISLAND	56 MPH	0416 PM 12/11	CWOP
BRANT	56 MPH	0435 PM 12/11	NYSM
ANGOLA 2.91 MILES SE OF DERB	54 MPH	0525 PM 12/11	NYSM

...GENESEE COUNTY...

BATAVIA	70 MPH	0536 PM 12/11	AWOS
ALABAMA	57 MPH	0525 PM 12/11	RAWS

...JEFFERSON COUNTY...

FORT DRUM AIRFIELD	66 MPH	0551 PM 12/11	AWOS
CAPE VINCENT	65 MPH	0610 PM 12/11	NYSM
WELLESLEY ISLAND	63 MPH	0740 PM 12/11	NYSM
WATERTOWN AIRPORT	59 MPH	0619 PM 12/11	ASOS
TYLERSVILLE	59 MPH	0745 PM 12/11	CWOP
CLAYTON	57 MPH	0700 PM 12/11	CWOP
PHILADELPHIA	56 MPH	0555 PM 12/11	NYSM
BELLEVILLE	53 MPH	0545 PM 12/11	NYSM

...LEWIS COUNTY...

HARRISBURG	65 MPH	0740 PM 12/11	NYSM
COPENHAGEN	58 MPH	0730 PM 12/11	NYSM
GLENFIELD	57 MPH	0740 PM 12/11	NYSM

...LIVINGSTON COUNTY...

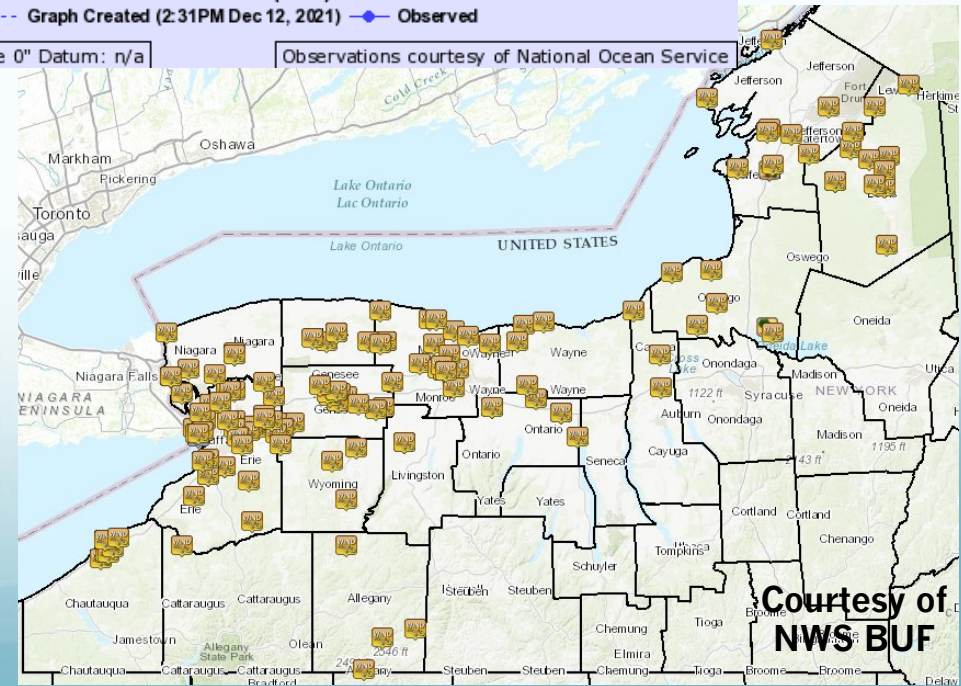
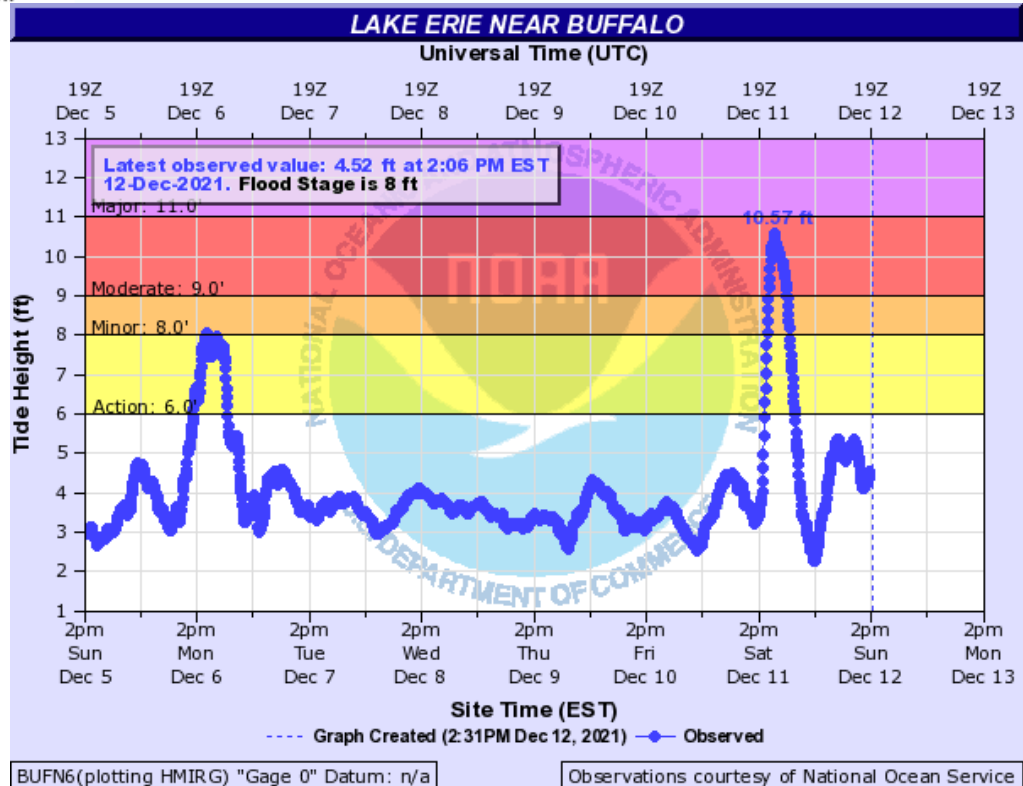
YORK	59 MPH	0635 PM 12/11	NYSM
DANVILLE AIRPORT	35 MPH	0206 PM 12/11	ASOS

...MONROE COUNTY...

BROCKPORT	63 MPH	0655 PM 12/11	NYSM
GREECE	62 MPH	0510 PM 12/11	CWOP
ROCHESTER AIRPORT	60 MPH	0559 PM 12/11	ASOS
ROCHESTER	57 MPH	0445 PM 12/11	CWOP
WEBSTER	54 MPH	0636 PM 12/11	CWOP
RUSH	46 MPH	0535 PM 12/11	NYSM

...NIAGARA COUNTY...

NIAGARA FALLS AIRPORT	74 MPH	0405 PM 12/11	ASOS
PENDLETON	60 MPH	0306 PM 12/11	CWOP
MIDDLEPORT	56 MPH	0509 PM 12/11	CWOP
BURT	55 MPH	0355 PM 12/11	NYSM



Drought Monitor

U.S. Drought Monitor Northeast Climate Region

November 23, 2021
(Released Wednesday, Nov. 24, 2021)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	91.59	6.37	1.19	0.85	0.00	0.00
Last Week 11-16-2021	91.89	6.07	1.19	0.85	0.00	0.00
3 Months Ago 08-24-2021	77.36	12.05	9.05	1.54	0.00	0.00
Start of Calendar Year 12-29-2020	77.60	18.77	3.63	0.00	0.00	0.00
Start of Water Year 09-29-2021	90.30	6.56	2.35	0.80	0.00	0.00
One Year Ago 11-24-2020	43.80	22.80	29.35	3.29	0.75	0.00

Intensity:

None	D0 Abnormally Dry	D1 Moderate Drought	D2 Severe Drought	D3 Extreme Drought	D4 Exceptional Drought
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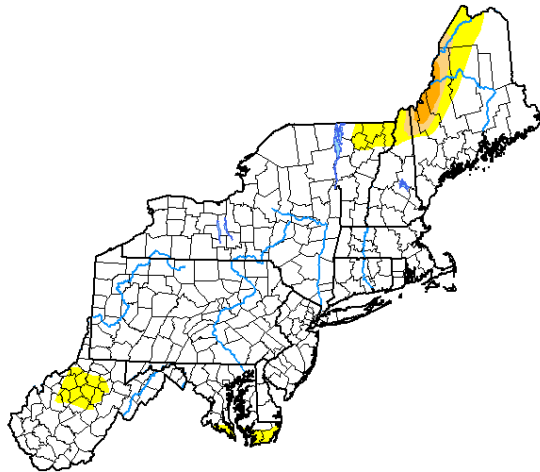
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu



U.S. Drought Monitor Northeast Climate Region

December 14, 2021
(Released Thursday, Dec. 16, 2021)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	82.68	15.28	1.19	0.85	0.00	0.00
Last Week 12-07-2021	88.83	9.13	1.19	0.85	0.00	0.00
3 Months Ago 09-14-2021	85.14	8.77	5.29	0.80	0.00	0.00
Start of Calendar Year 12-29-2020	77.60	18.77	3.63	0.00	0.00	0.00
Start of Water Year 09-29-2021	90.30	6.56	2.35	0.80	0.00	0.00
One Year Ago 12-15-2020	60.32	22.80	16.44	0.44	0.00	0.00

Intensity:

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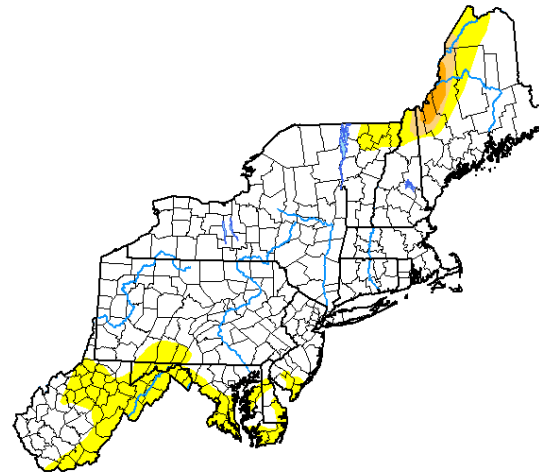
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Author:

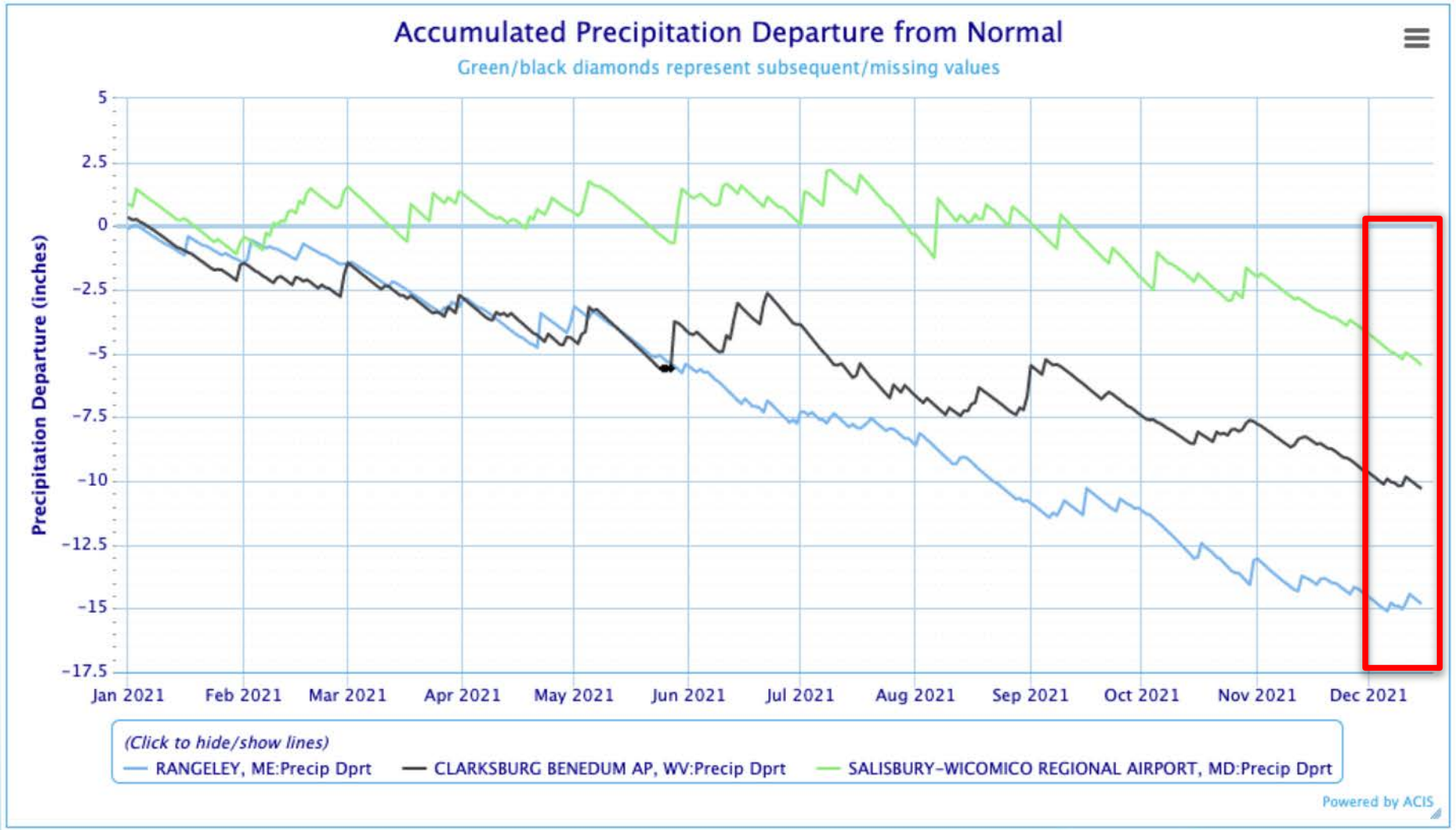
David Simeral
Western Regional Climate Center



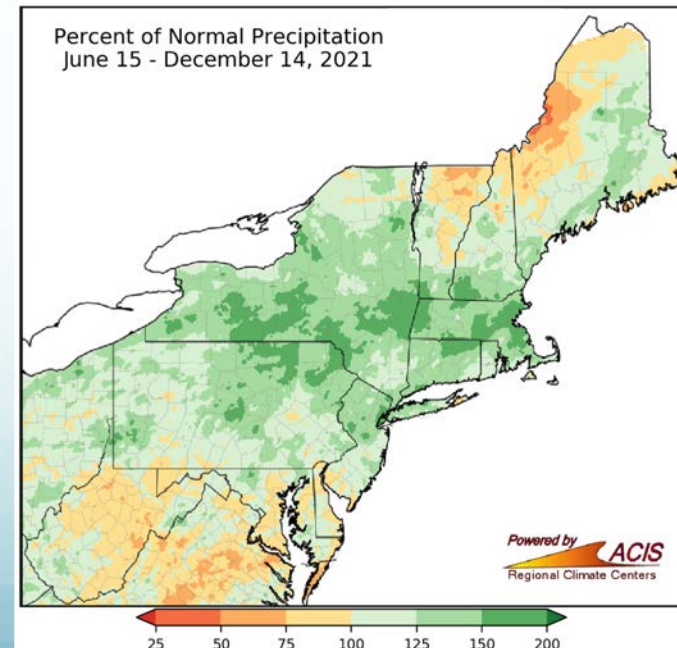
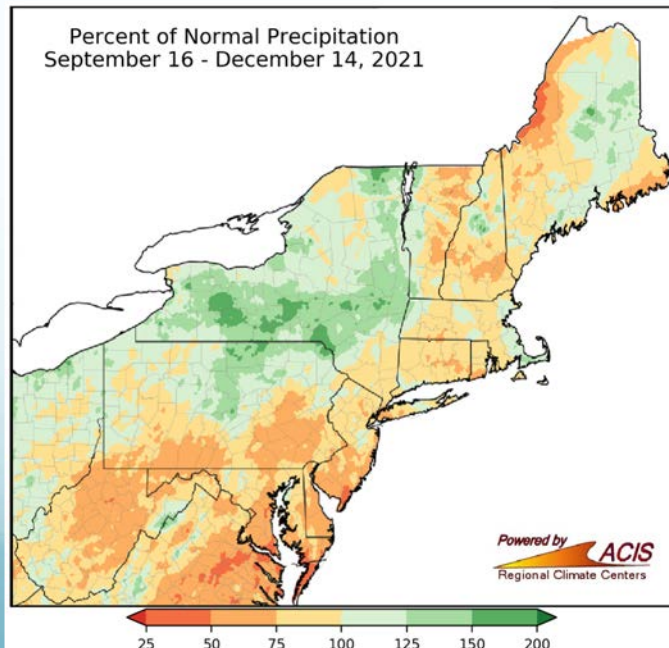
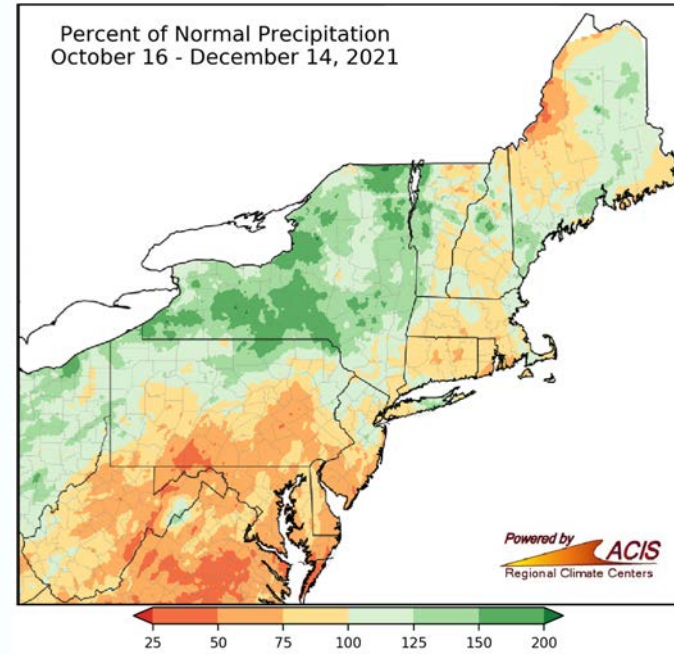
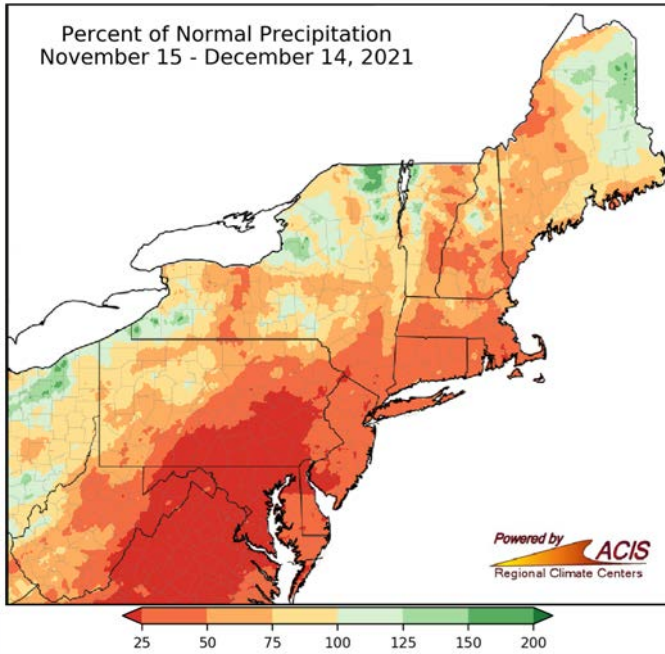
droughtmonitor.unl.edu



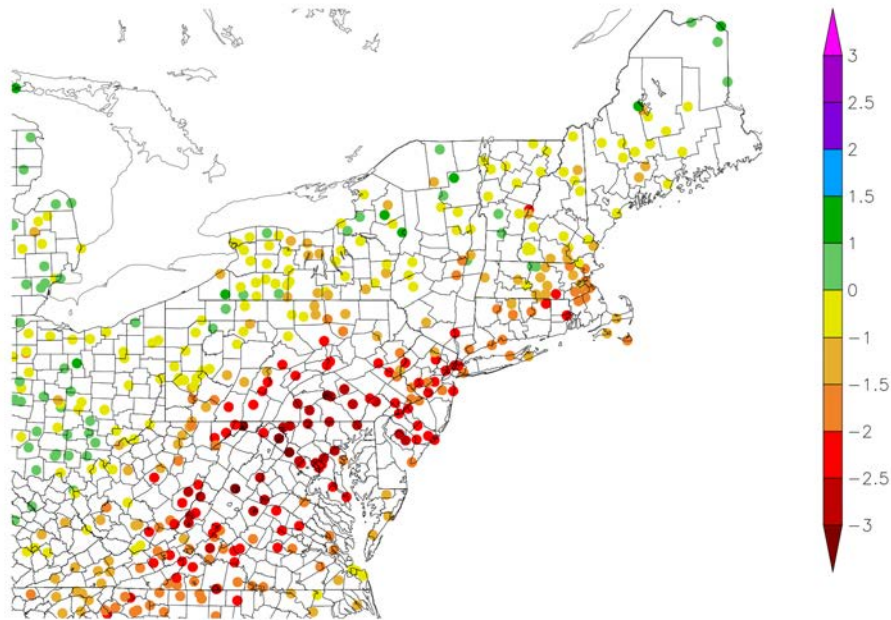
Precipitation



Precipitation



30 Day SPI
11/15/2021 - 12/14/2021

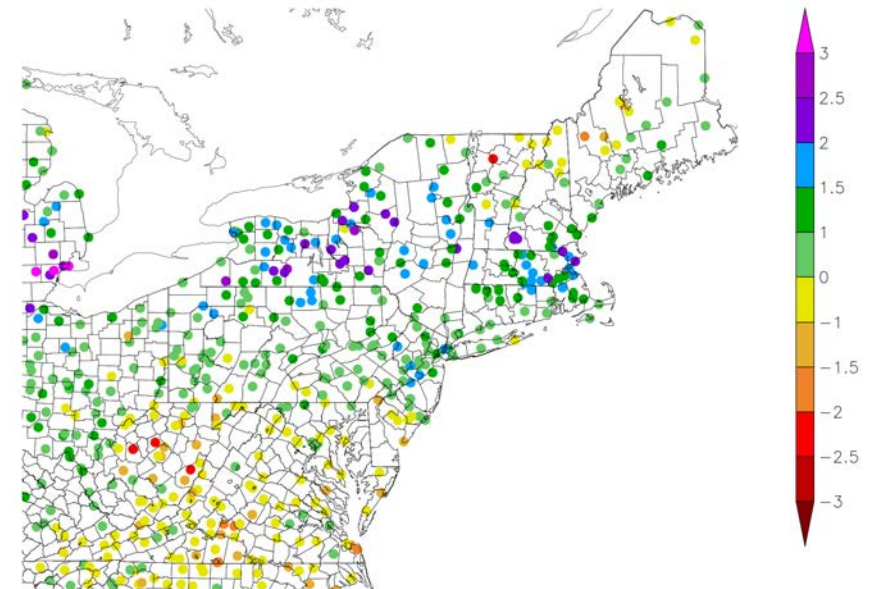


Generated 12/15/2021 at HPRCC using provisional data.

NOAA Regional Climate Centers

Standardized Precipitation Index

6 Month SPI
6/15/2021 - 12/14/2021

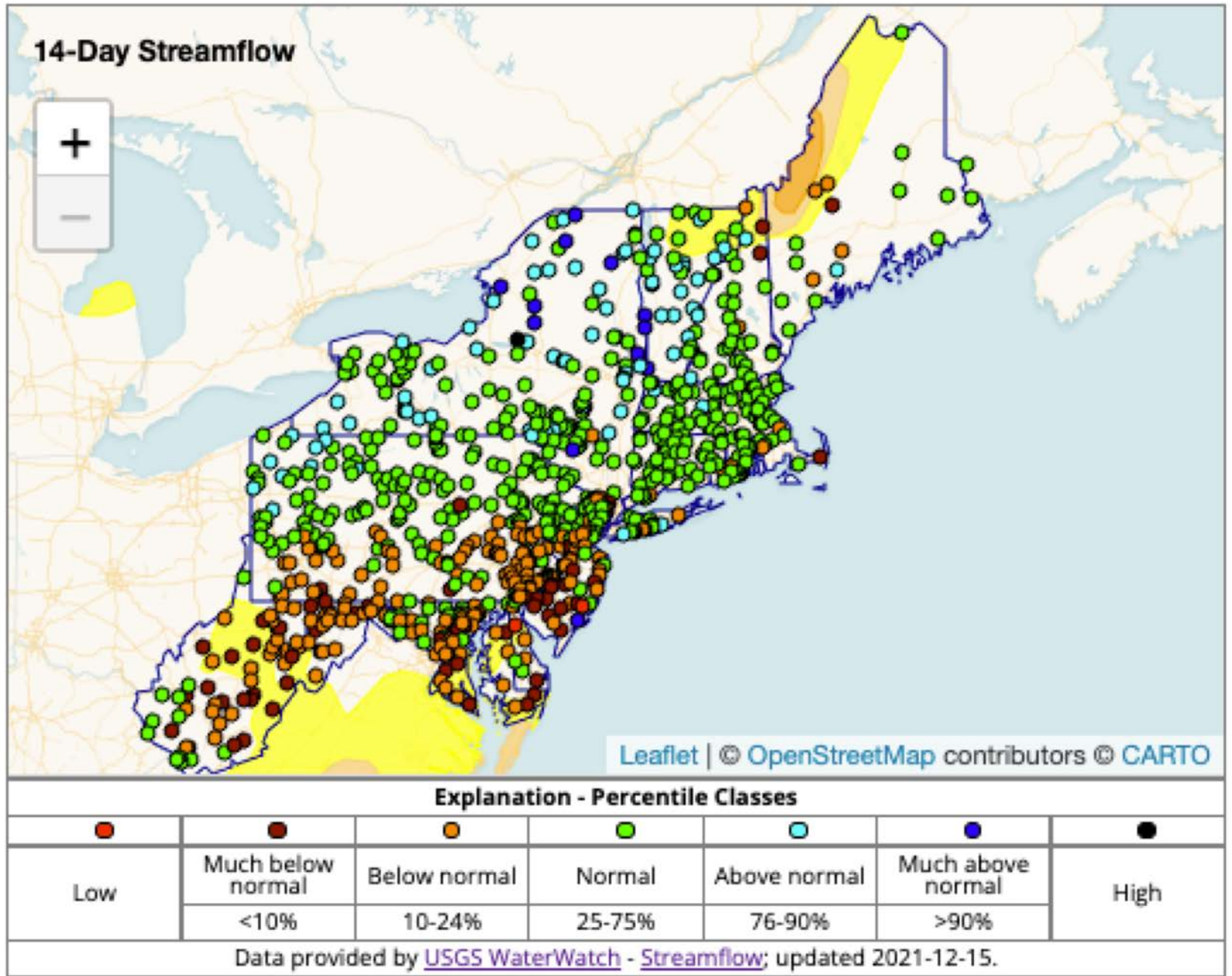


Generated 12/15/2021 at HPRCC using provisional data.

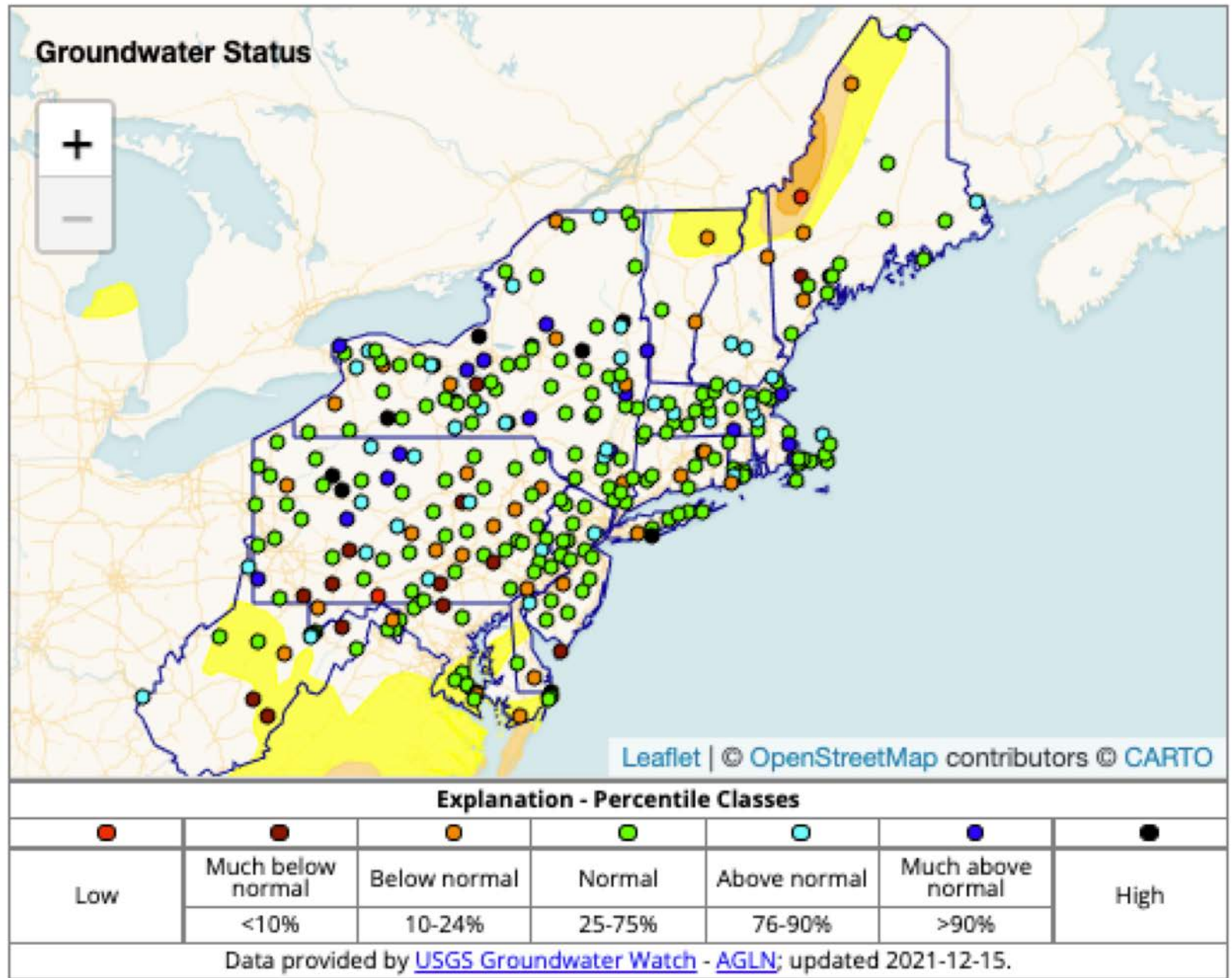
NOAA Regional Climate Centers



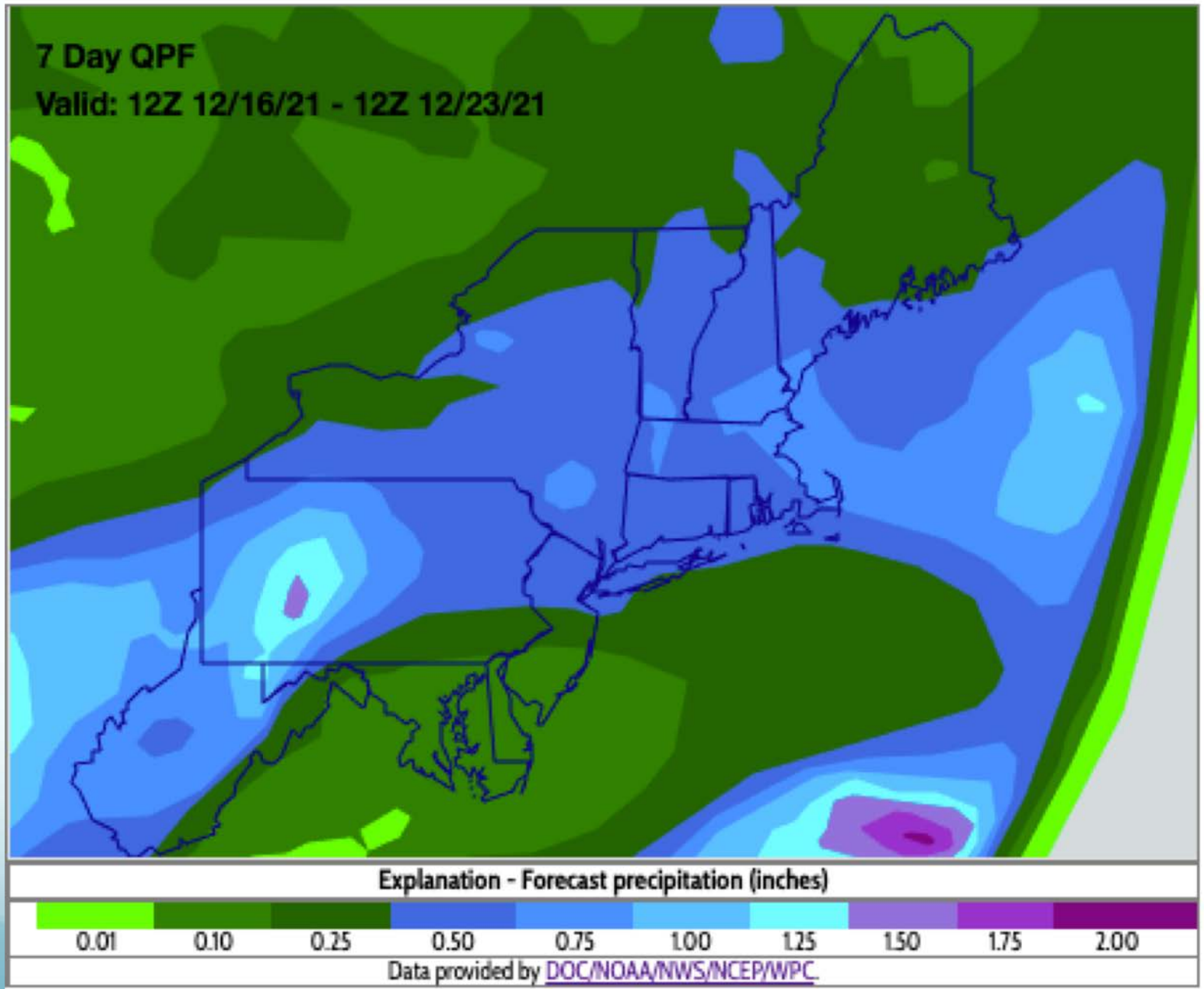
Streamflow



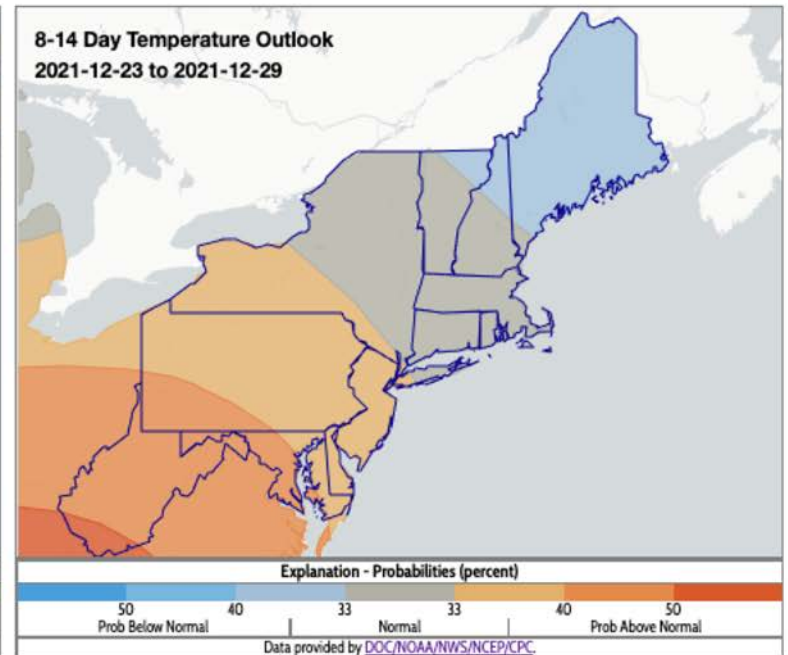
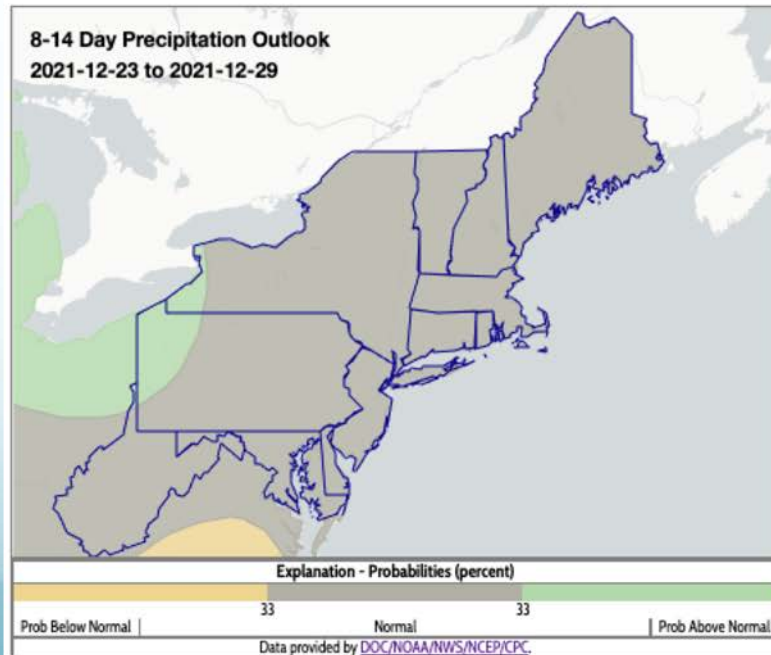
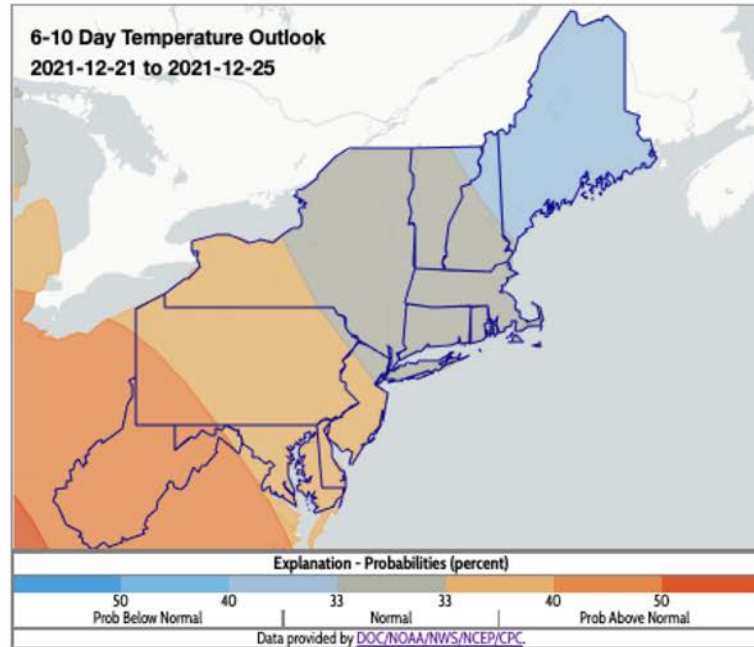
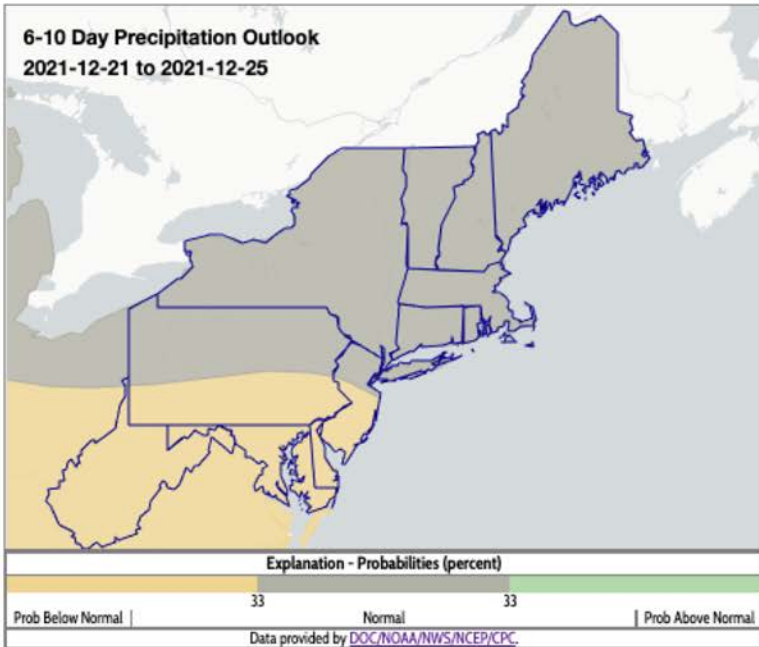
Groundwater



Precipitation Forecast



Short-term Outlooks

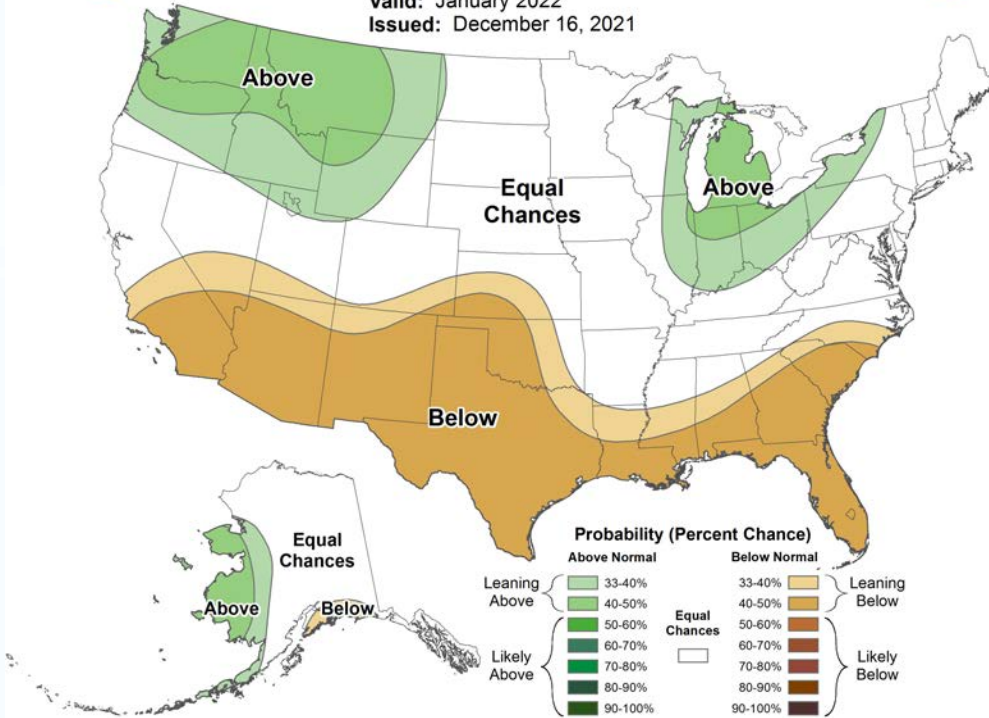




Monthly Precipitation Outlook



Valid: January 2022
Issued: December 16, 2021



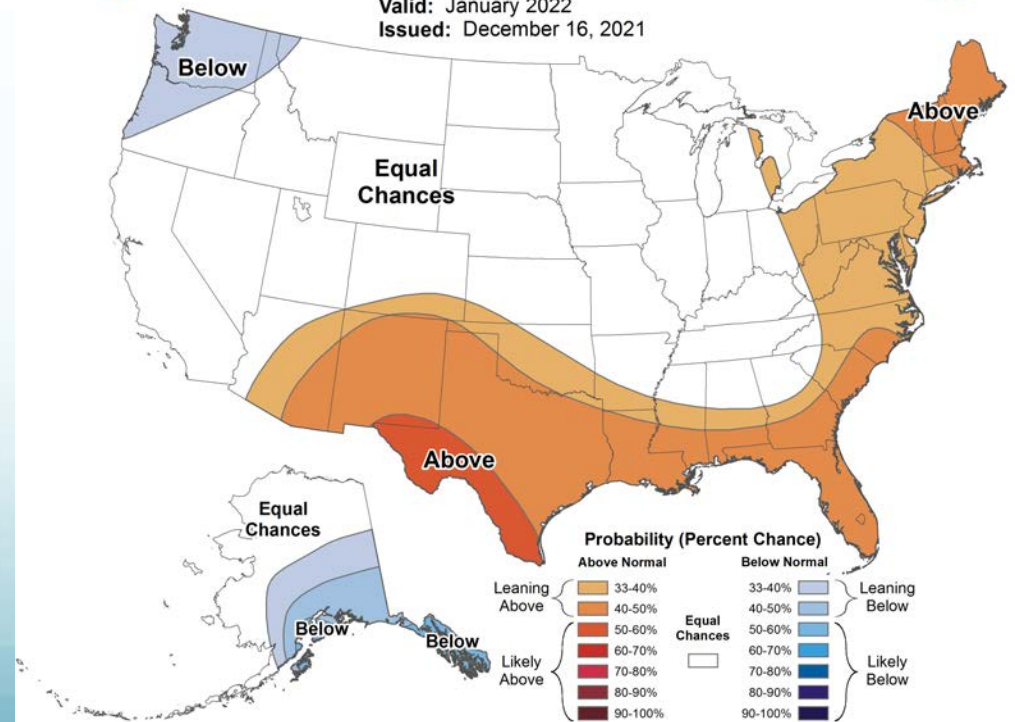
Monthly Outlooks



Monthly Temperature Outlook



Valid: January 2022
Issued: December 16, 2021

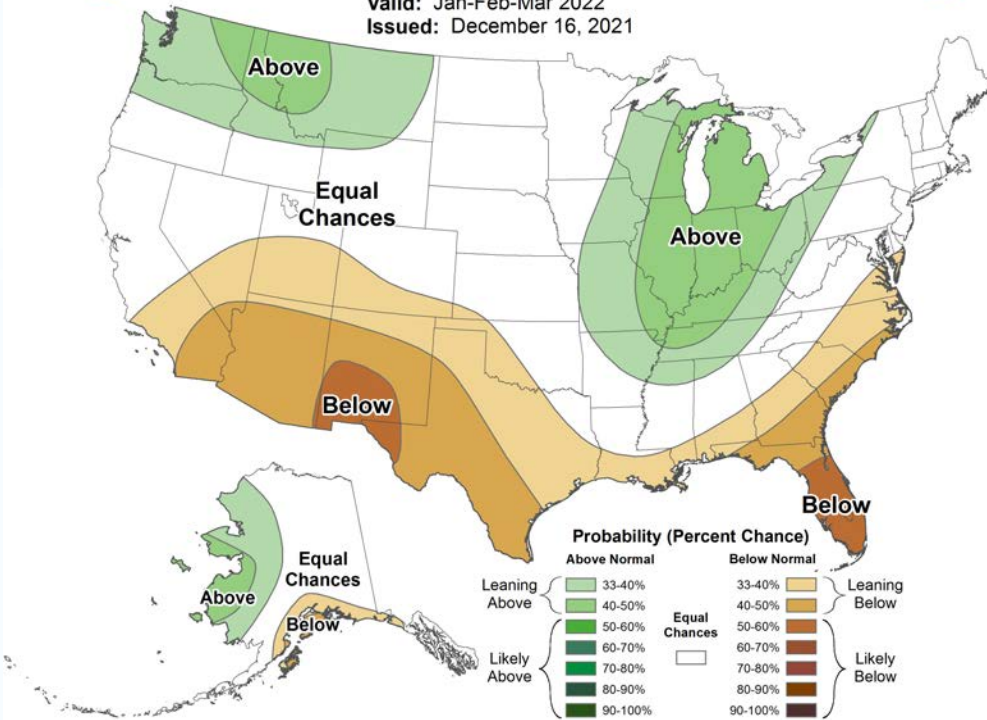




Seasonal Precipitation Outlook



Valid: Jan-Feb-Mar 2022
Issued: December 16, 2021



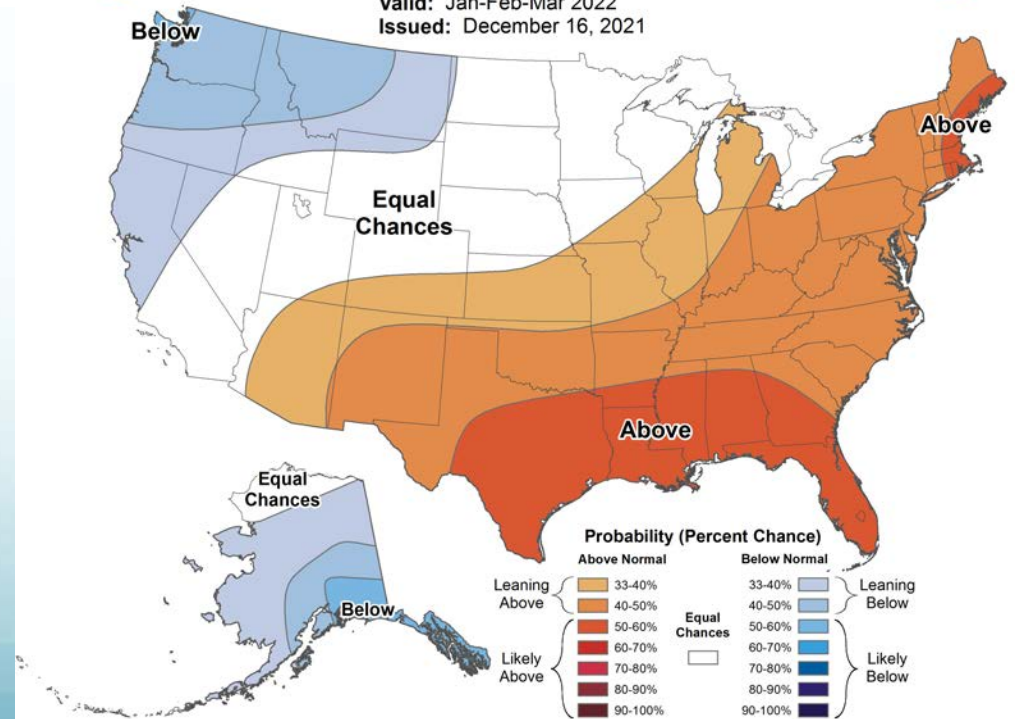
Three-Month Outlooks



Seasonal Temperature Outlook



Valid: Jan-Feb-Mar 2022
Issued: December 16, 2021



Contact Information

- nrcc@cornell.edu

Upcoming Webinars

- Thursday, January 27 at 9:30am
 - NOAA Fisheries Northeast/Mid-Atlantic Habitat Climate Vulnerability Assessment
- Thursday, February 24 at 9:30am
 - Northeast U.S. Snow Survey and SWE Climatology
- Thursday, March 31 at 9:30am
 - Spring Flood Outlook



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