

Massachusetts Drought Task Force Meeting NWS Update

National Weather Service

Tuesday March 7th, 2017

Alan Dunham, Hydrologic Program Leader

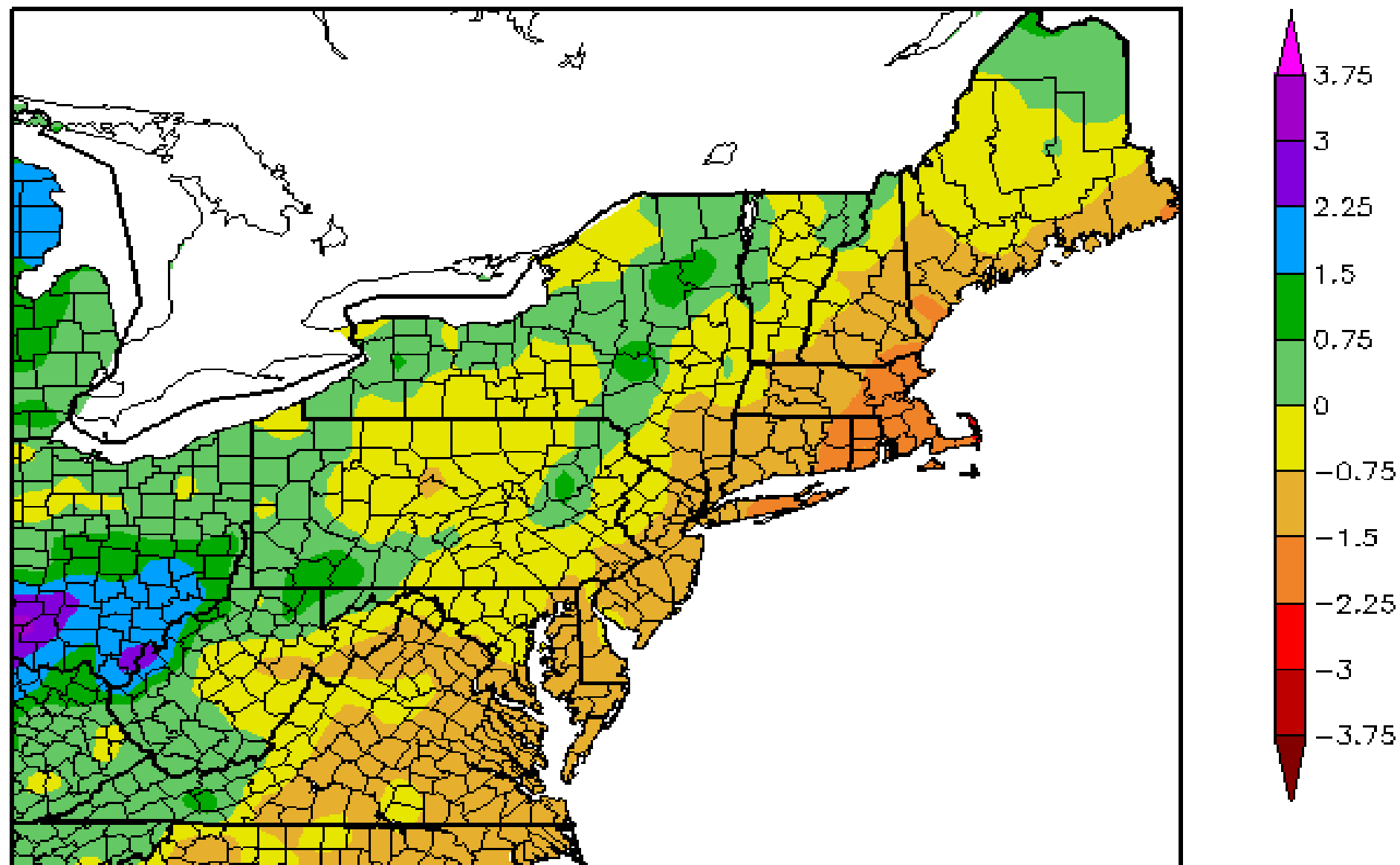
National Weather Service
Boston, MA



14 Day Percent of Normal

Departure from Normal Precipitation (in)

2/20/2017 – 3/5/2017



Snow Depth 02/03/17

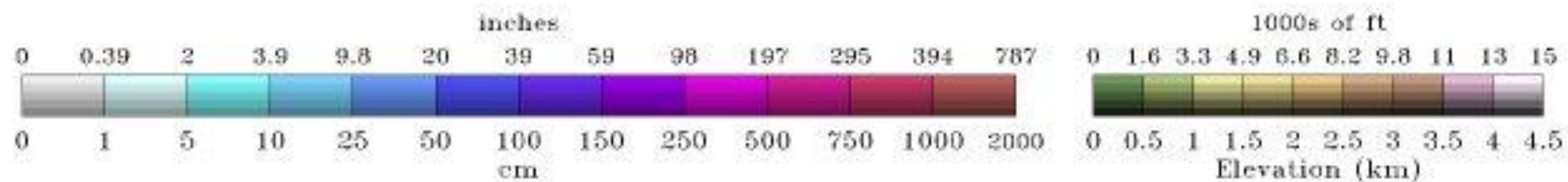
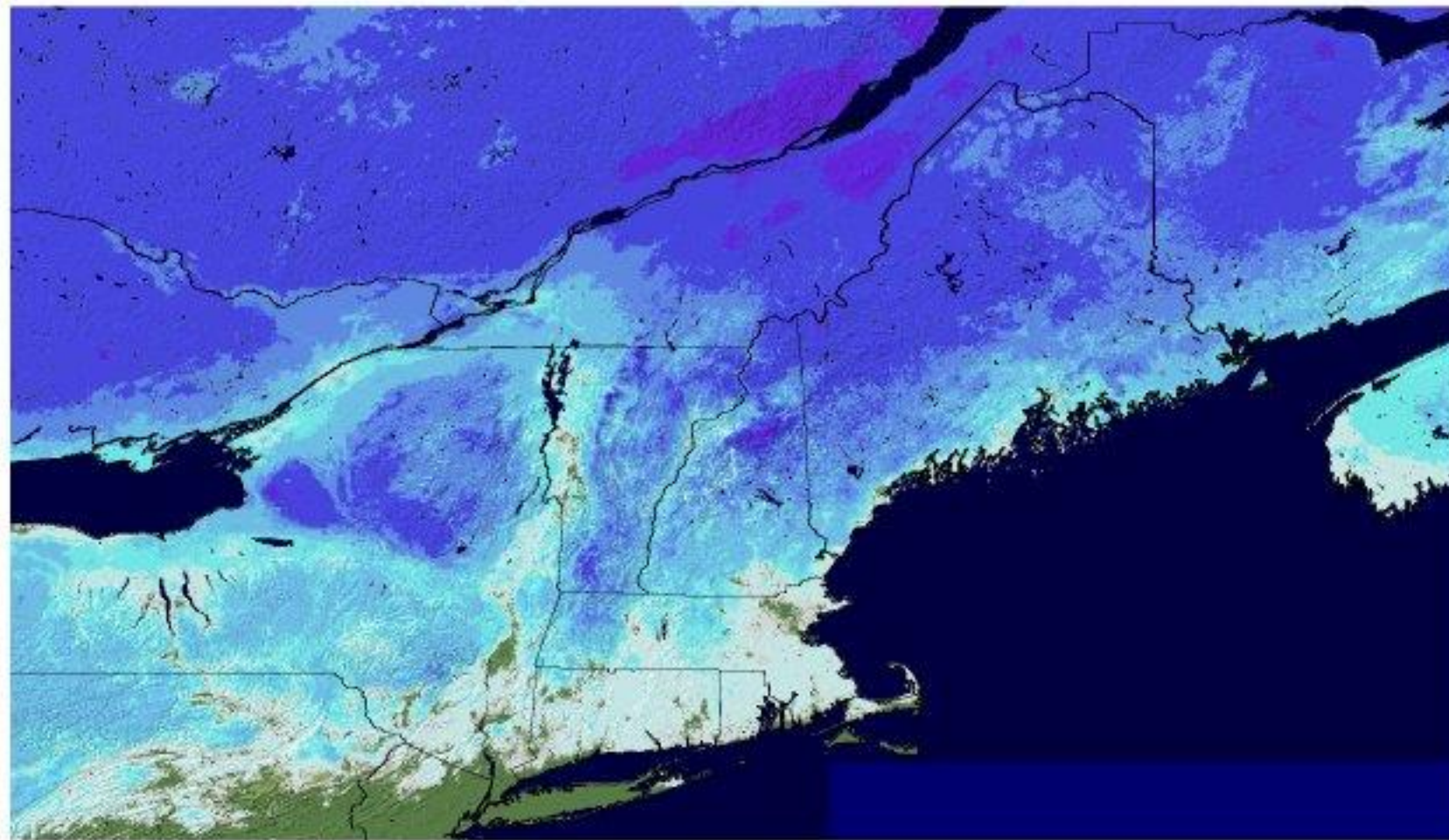
National Snow 2016-
Analysis 2017

OFFICE OF
WATER
PREDICTION

OWP

Snow Depth

2017-02-03 06 UTC



Snow/Water Equivalent 02/03/17

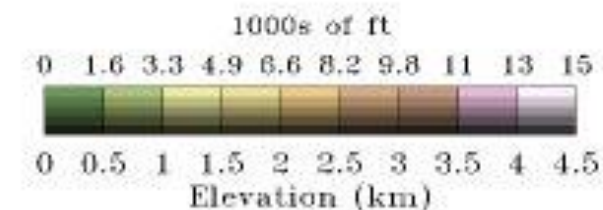
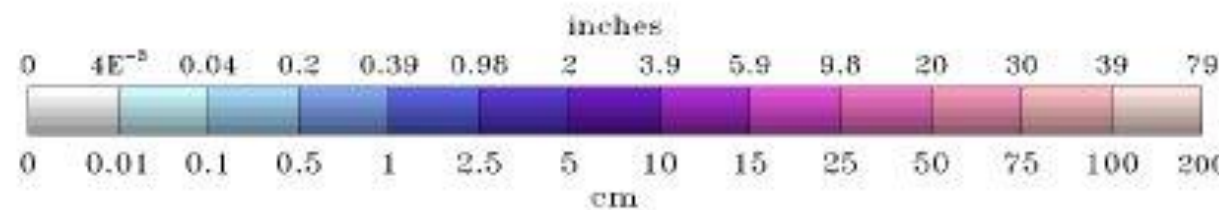
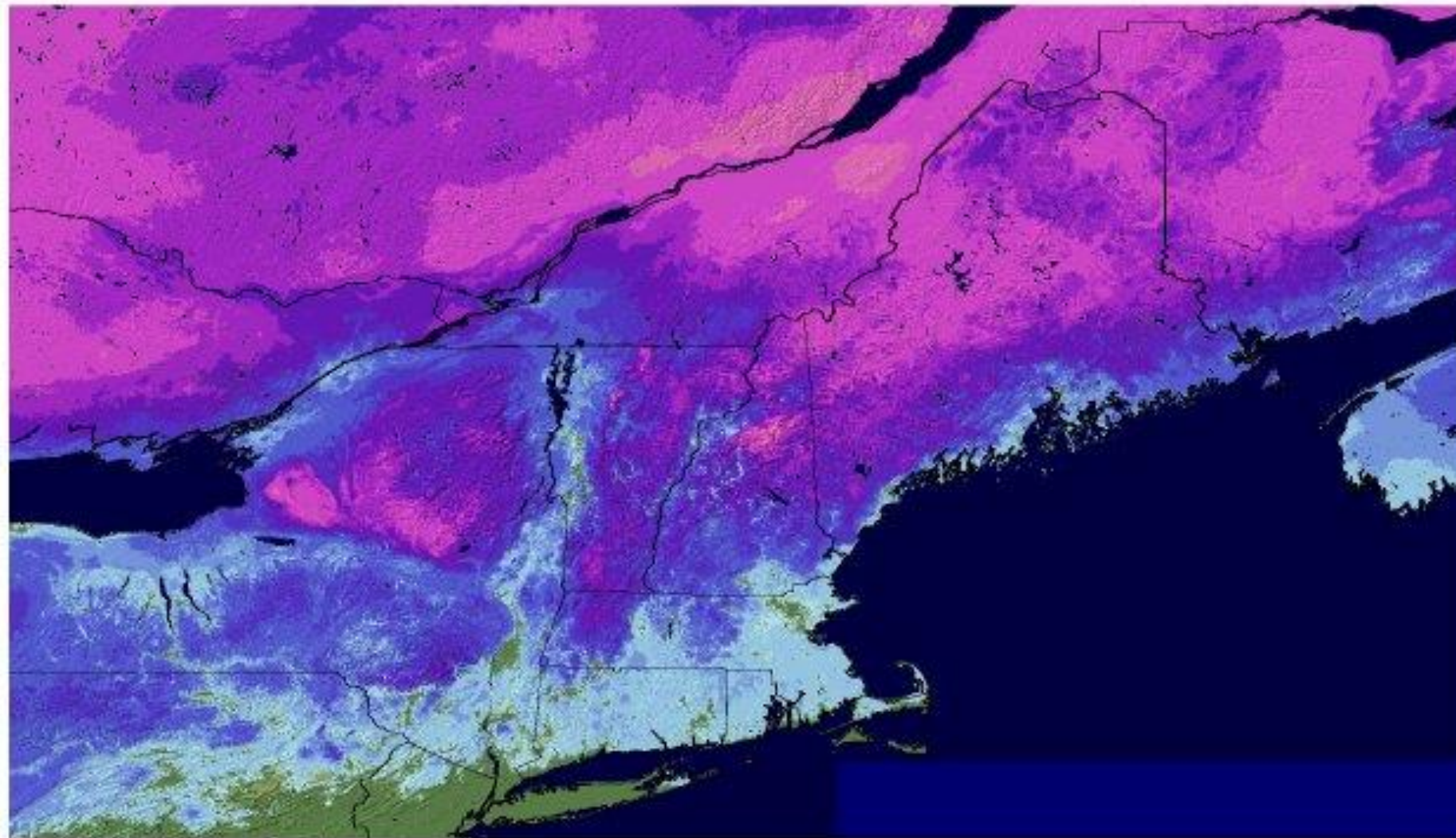
National Snow 2016-
Analysis 2017

OFFICE OF
WATER
PREDICTION

OWP

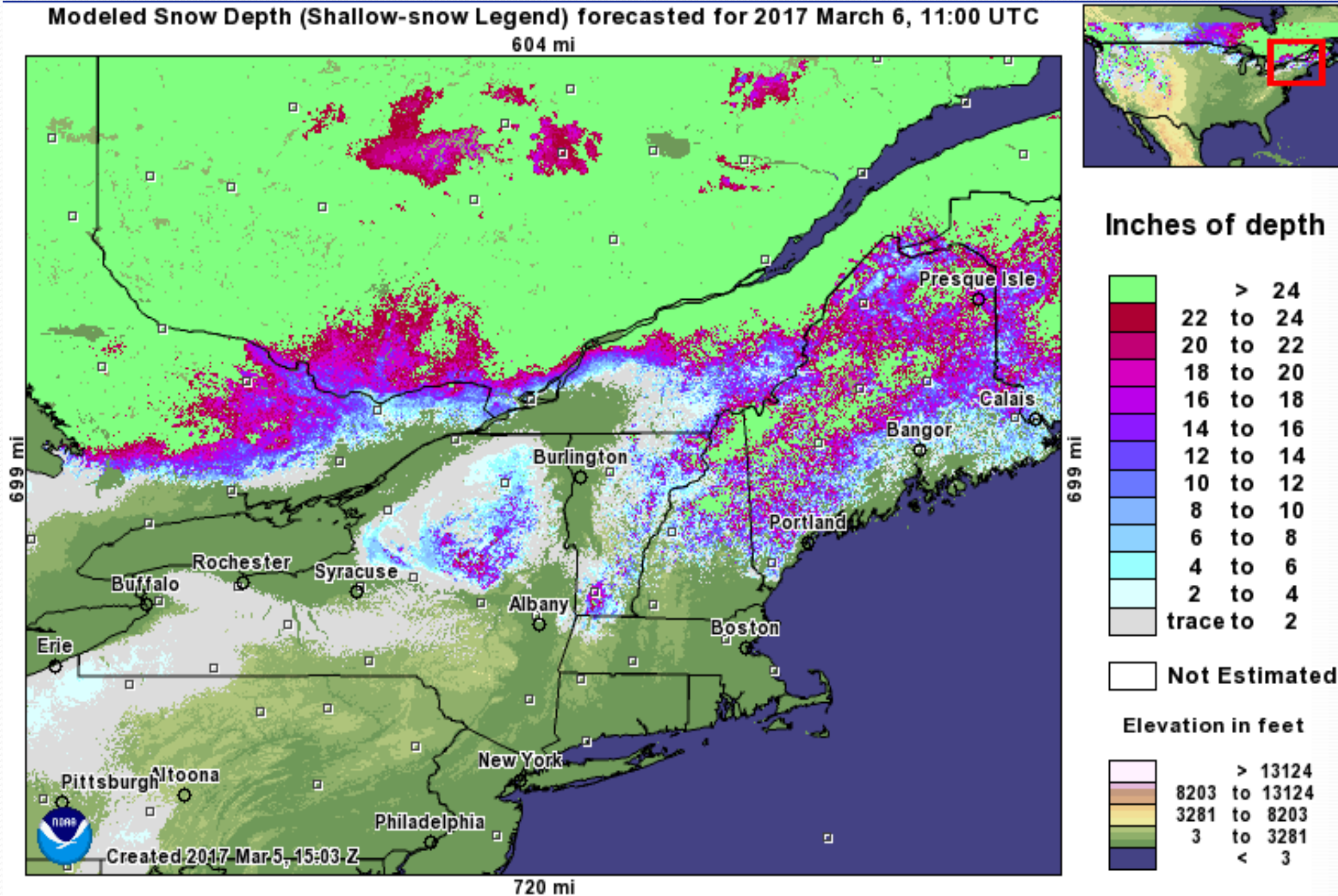
Snow Water Equivalent

2017-02-03 06 UTC



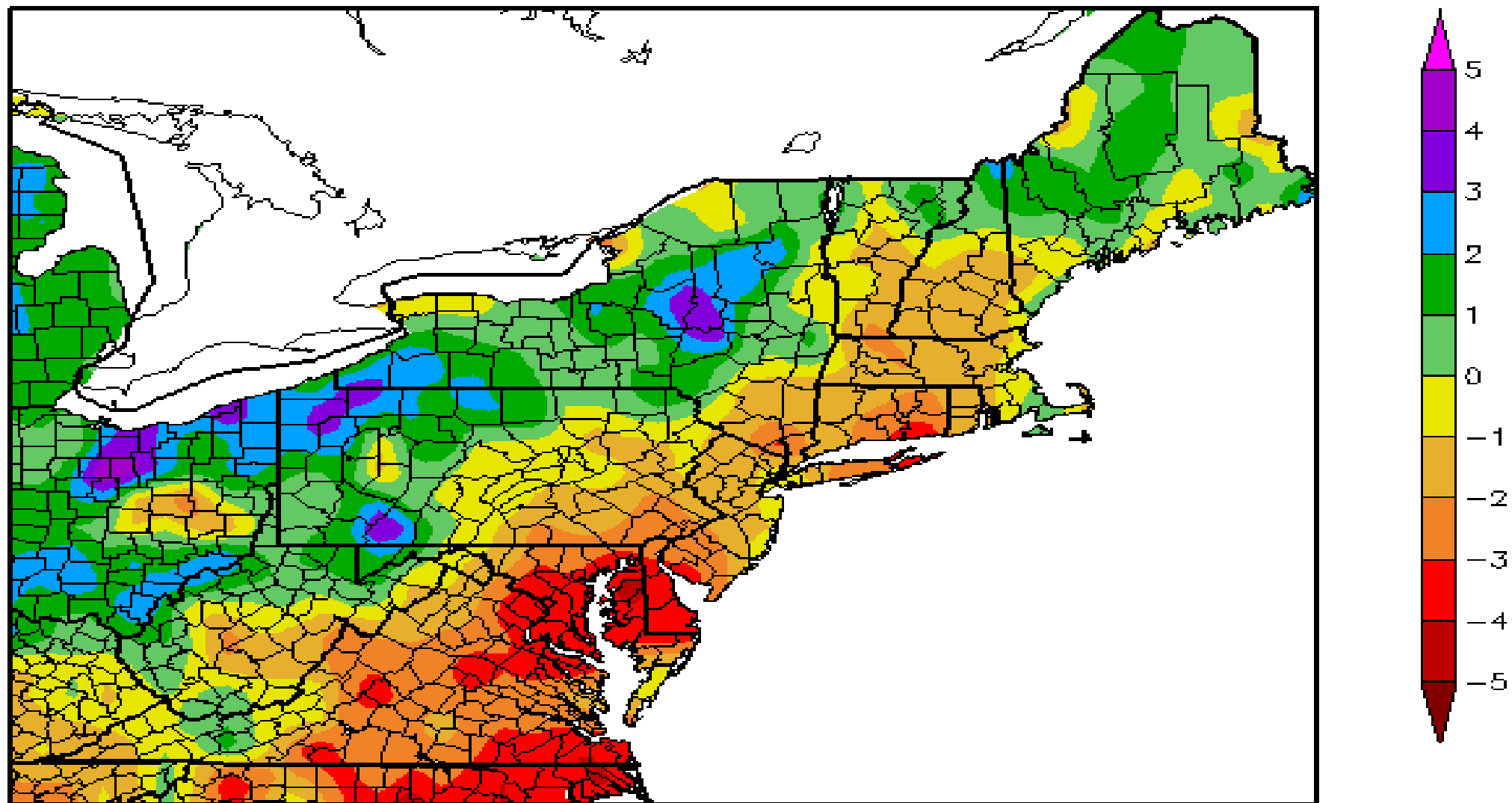
Snow Depth 03/06/17

Modeled Snow Depth (Shallow-snow Legend) forecasted for 2017 March 6, 11:00 UTC



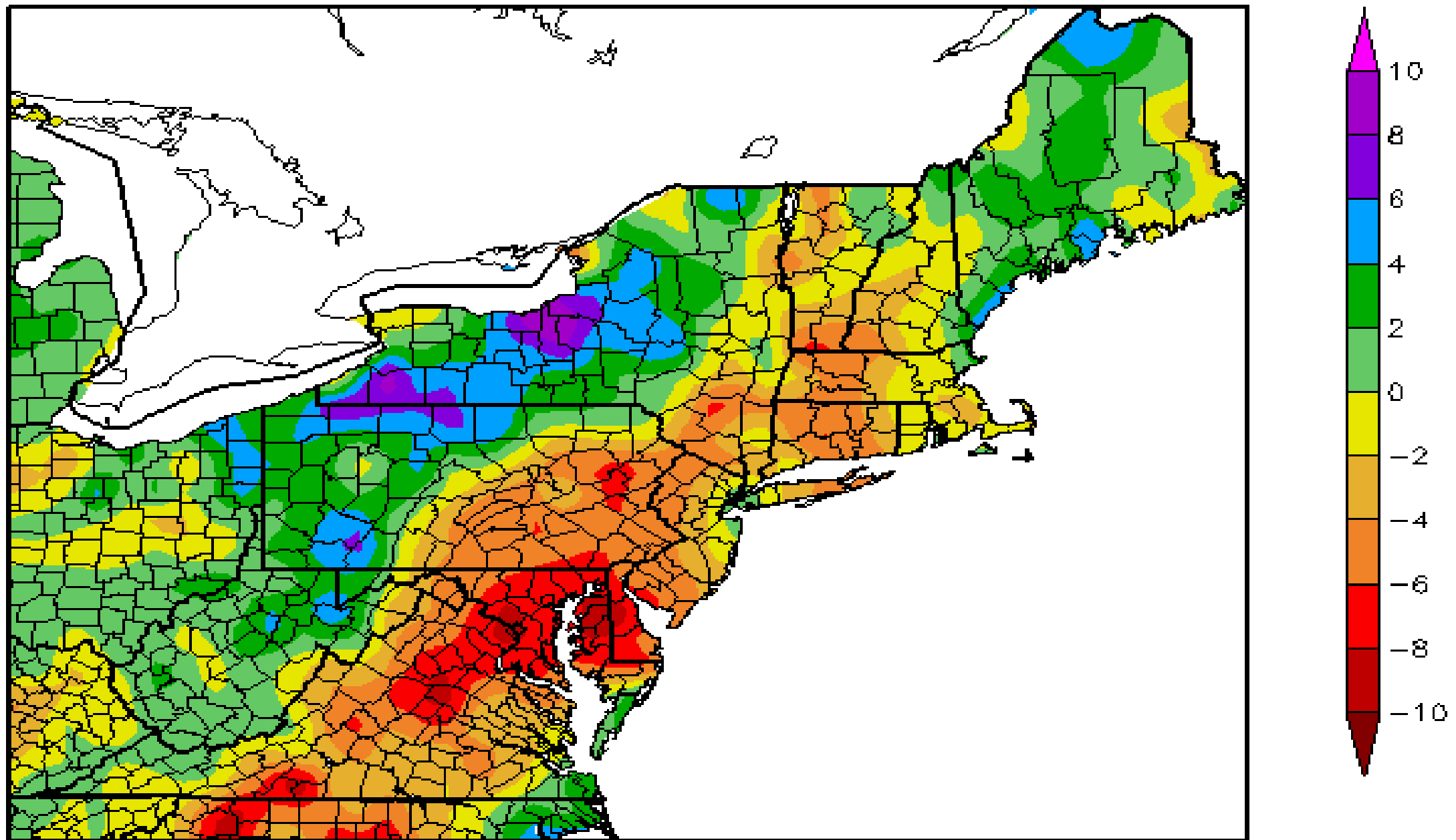
60 Day Percent of Normal

Departure from Normal Precipitation (in)
1/5/2017 – 3/5/2017



Water Year Percent of Normal

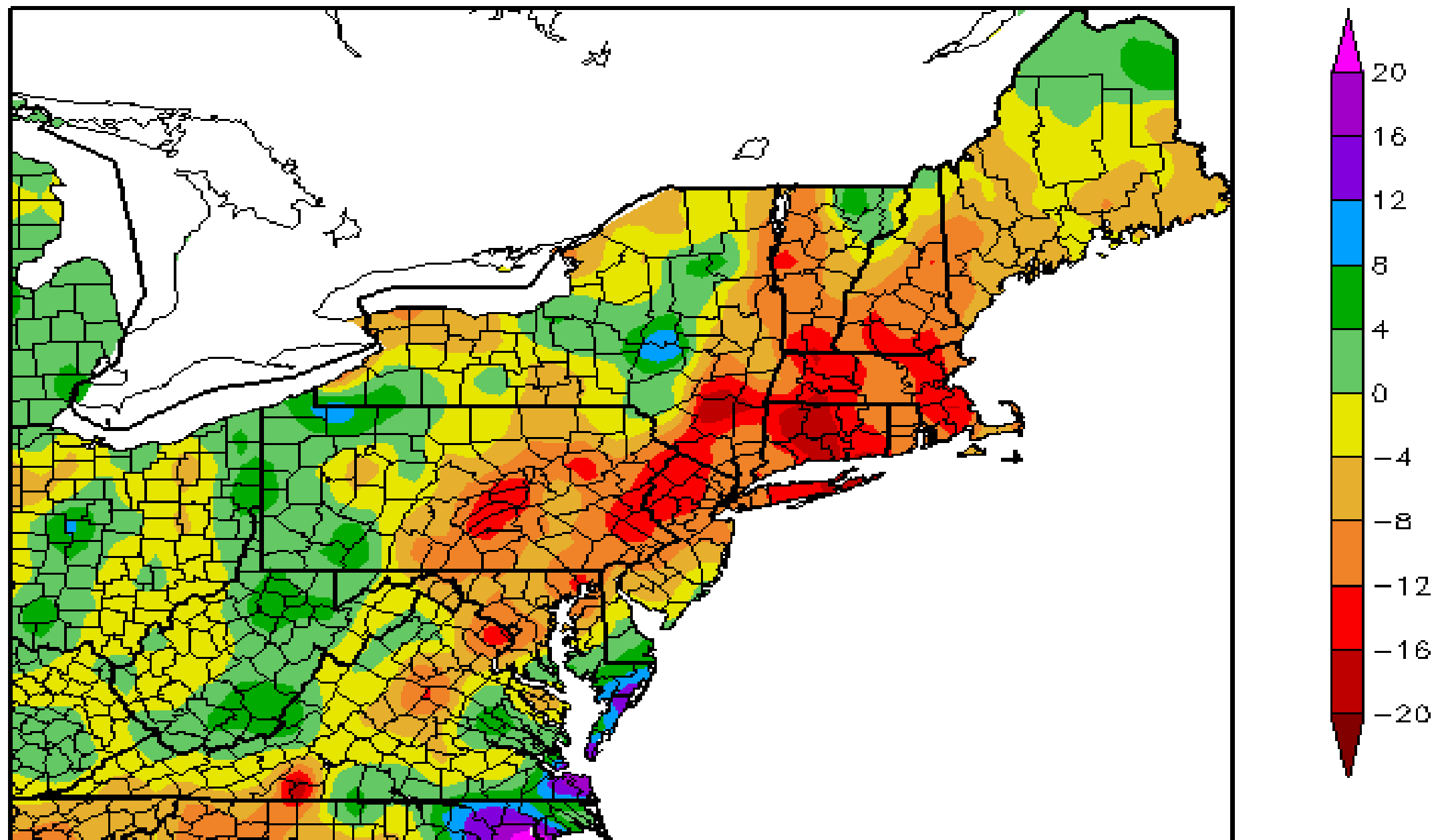
Departure from Normal Precipitation (in)
10/1/2016 – 3/4/2017



12 Month percent of Normal

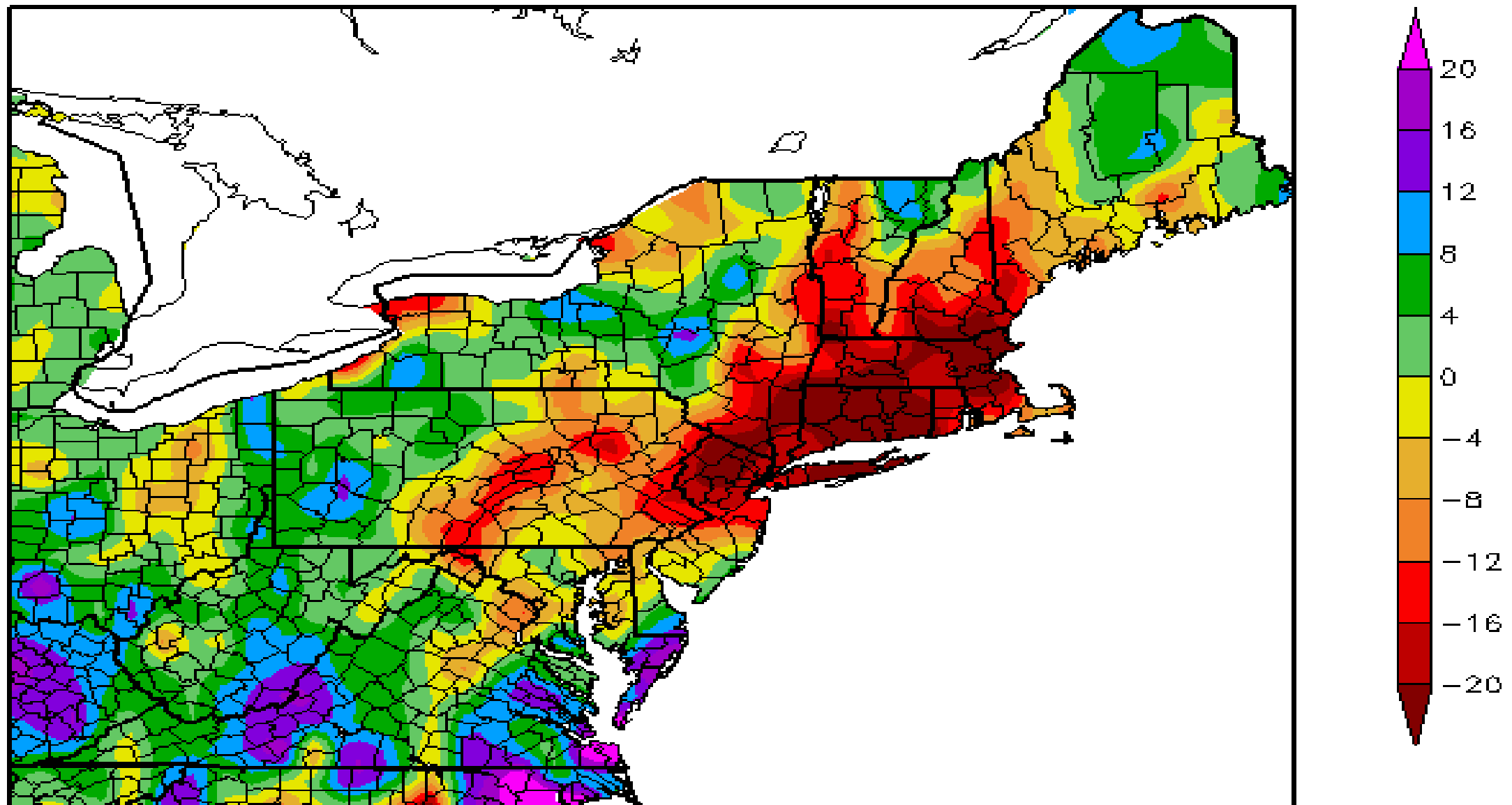
Departure from Normal Precipitation (in)

3/5/2016 – 3/4/2017

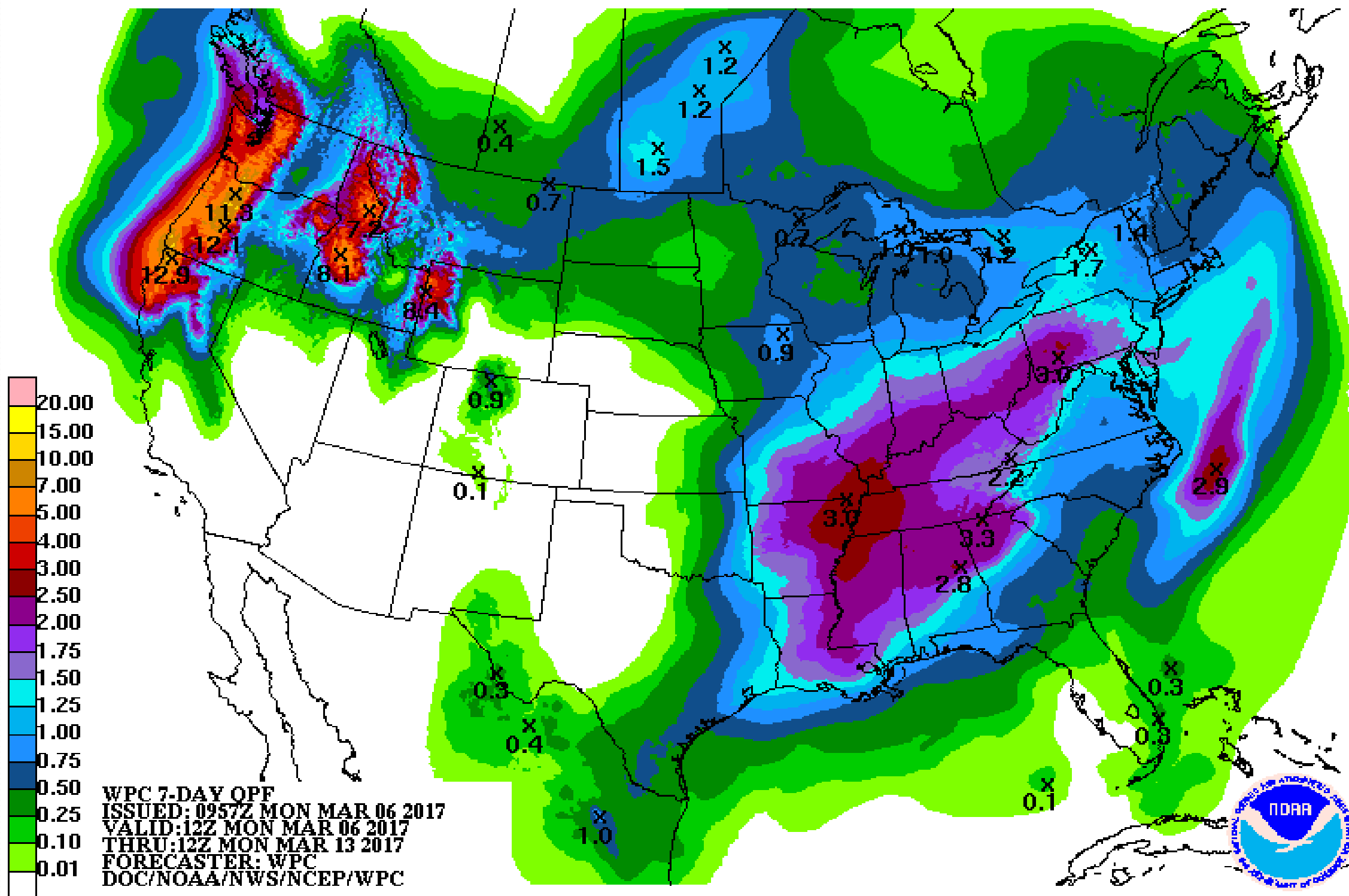


24 Month Percent of Normal

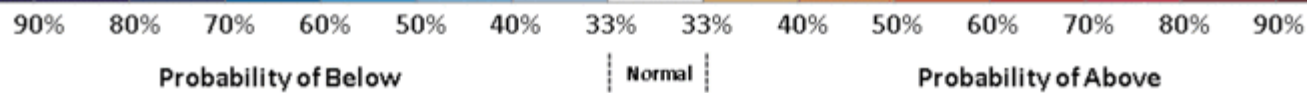
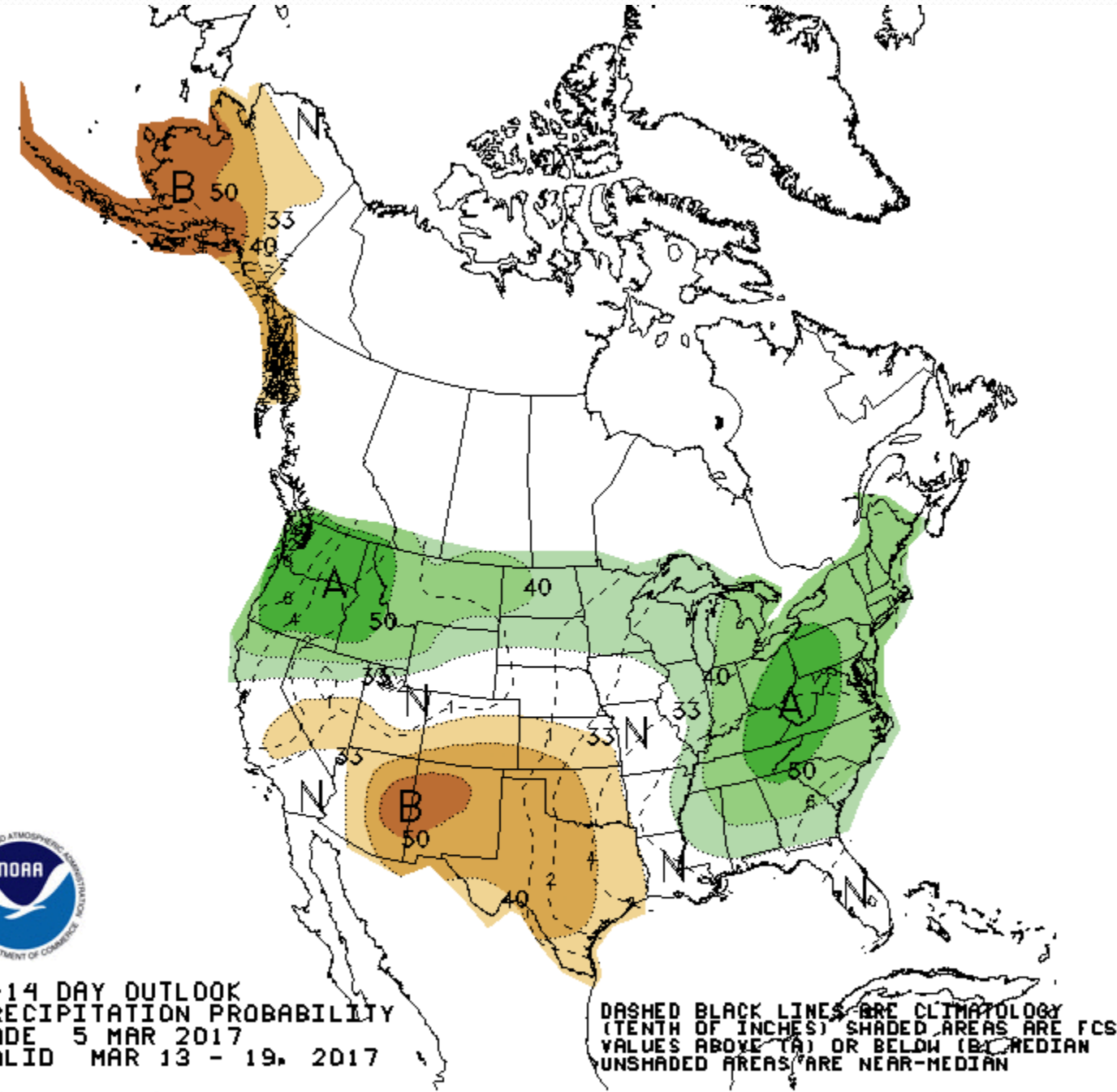
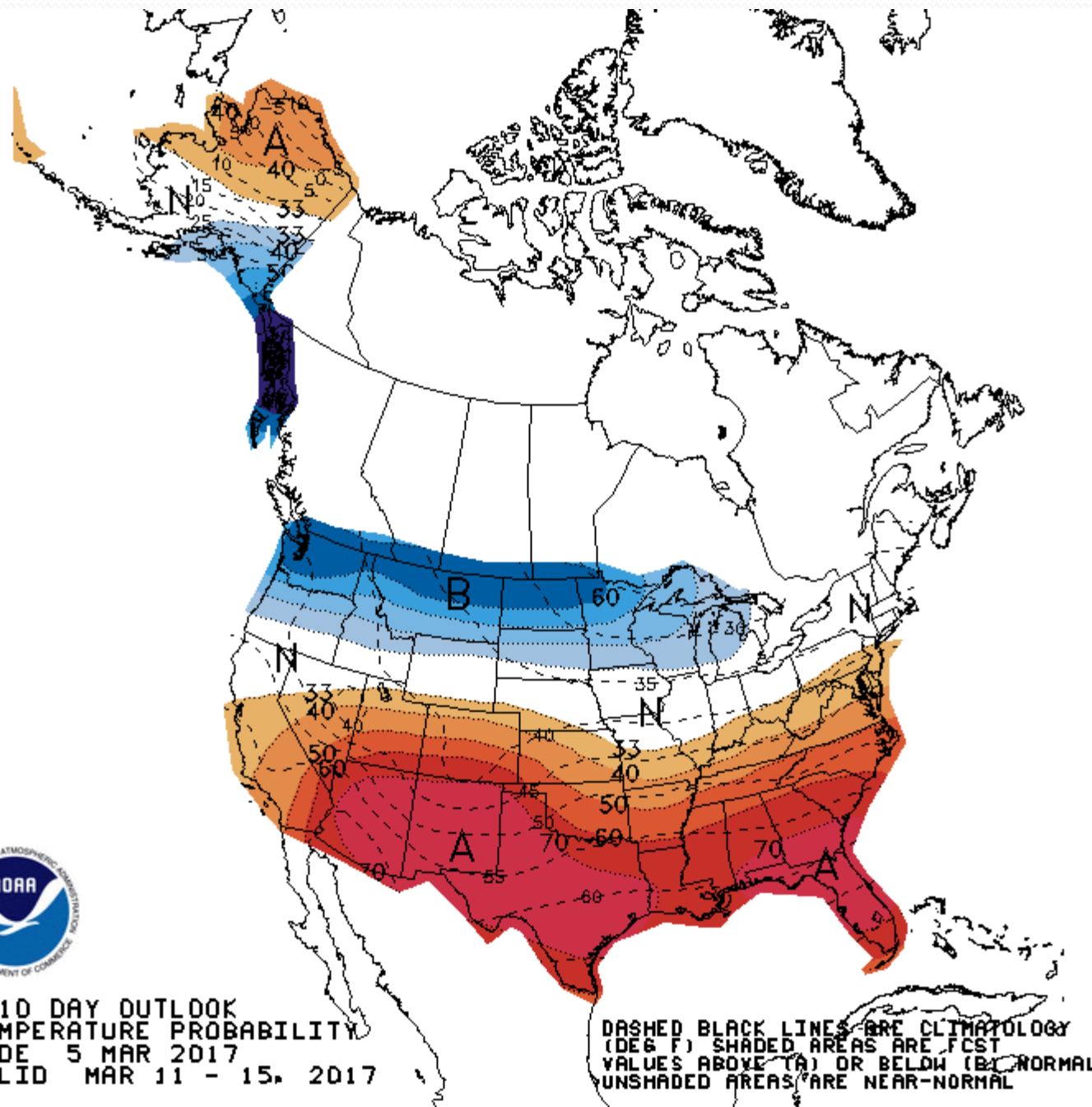
Departure from Normal Precipitation (in)
3/5/2015 – 3/4/2017



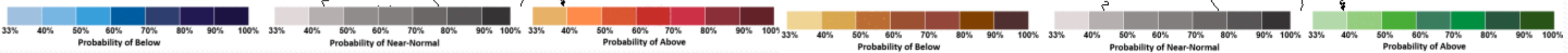
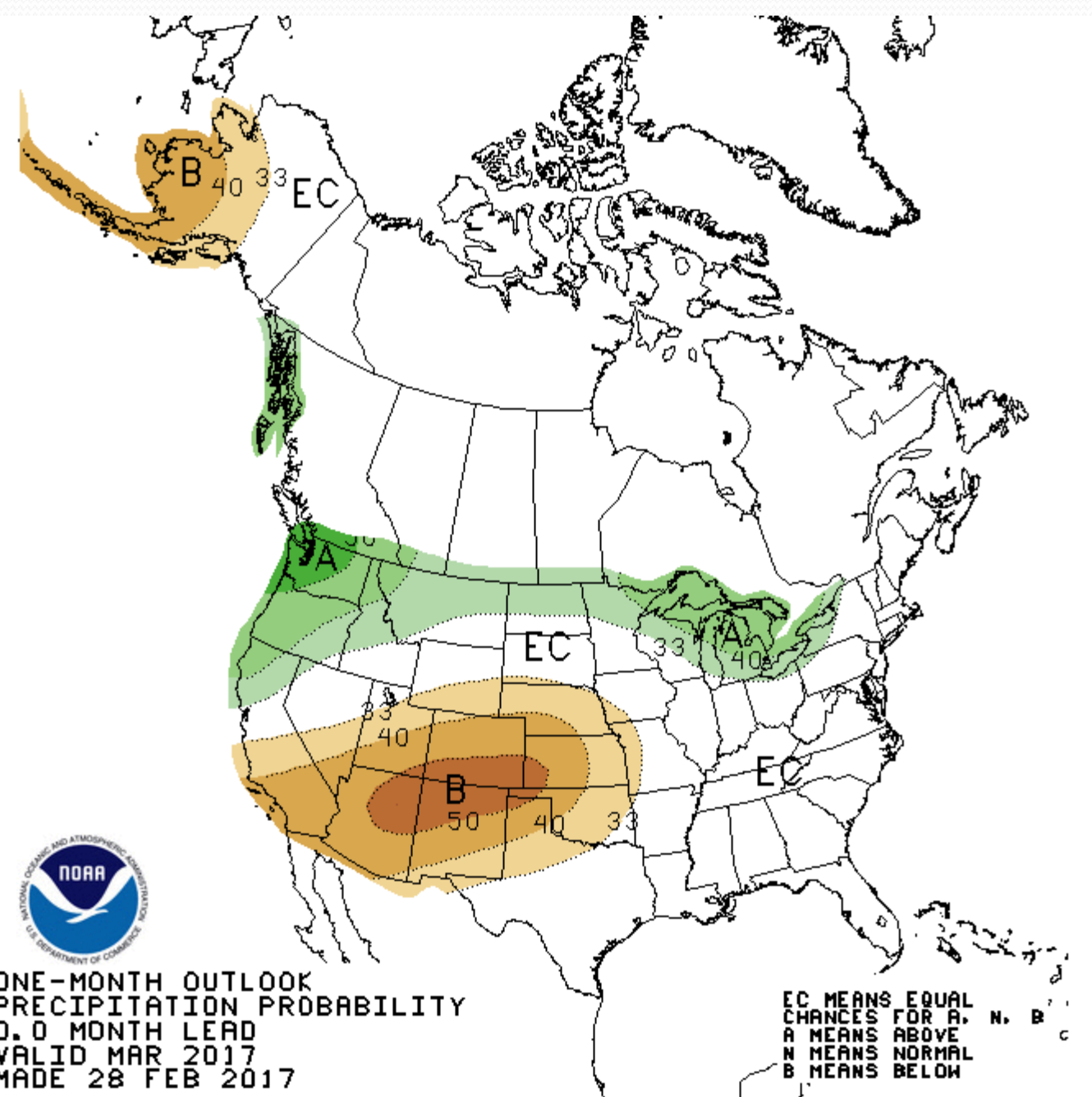
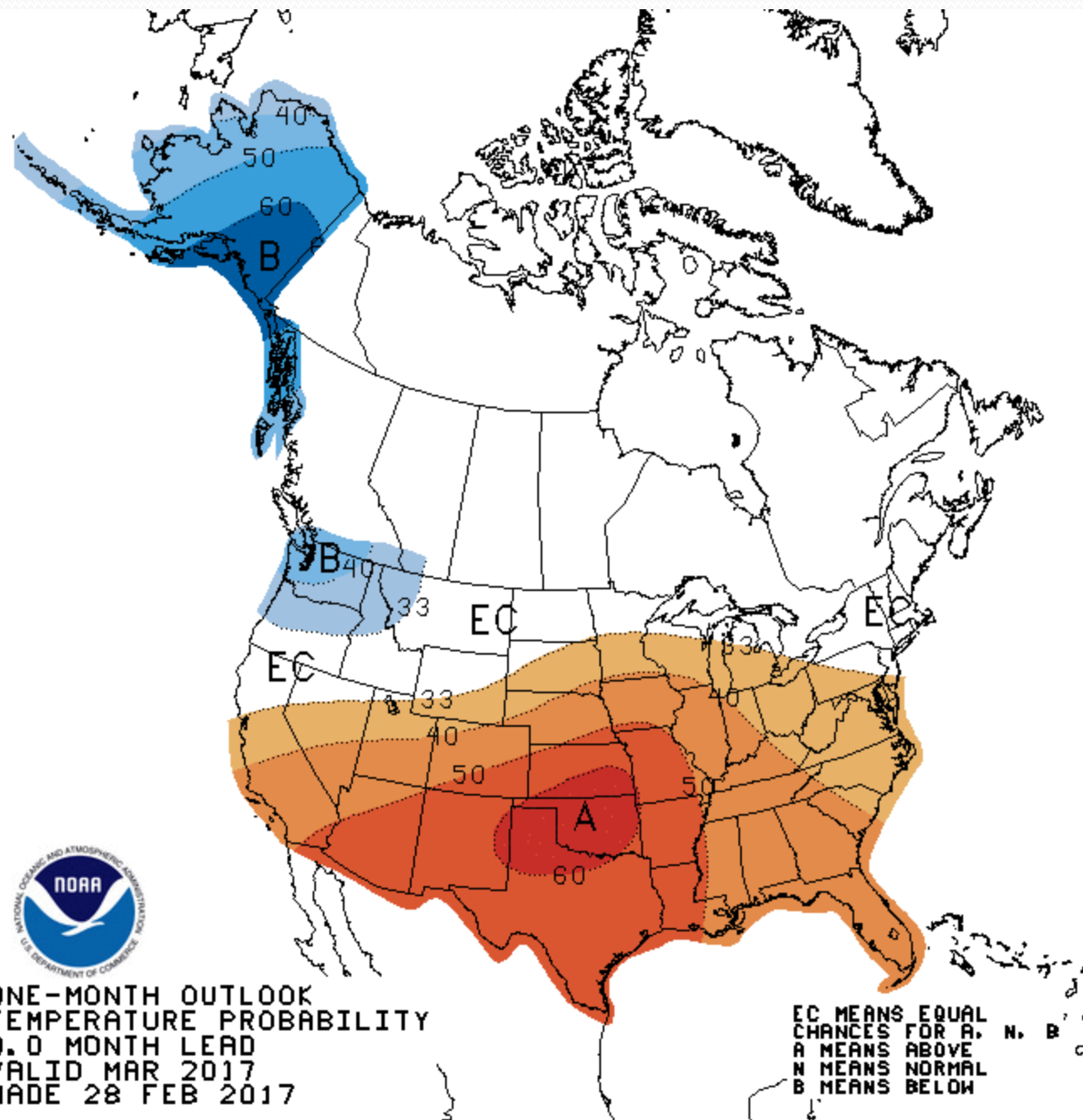
7 Day Precip Mar 06-13



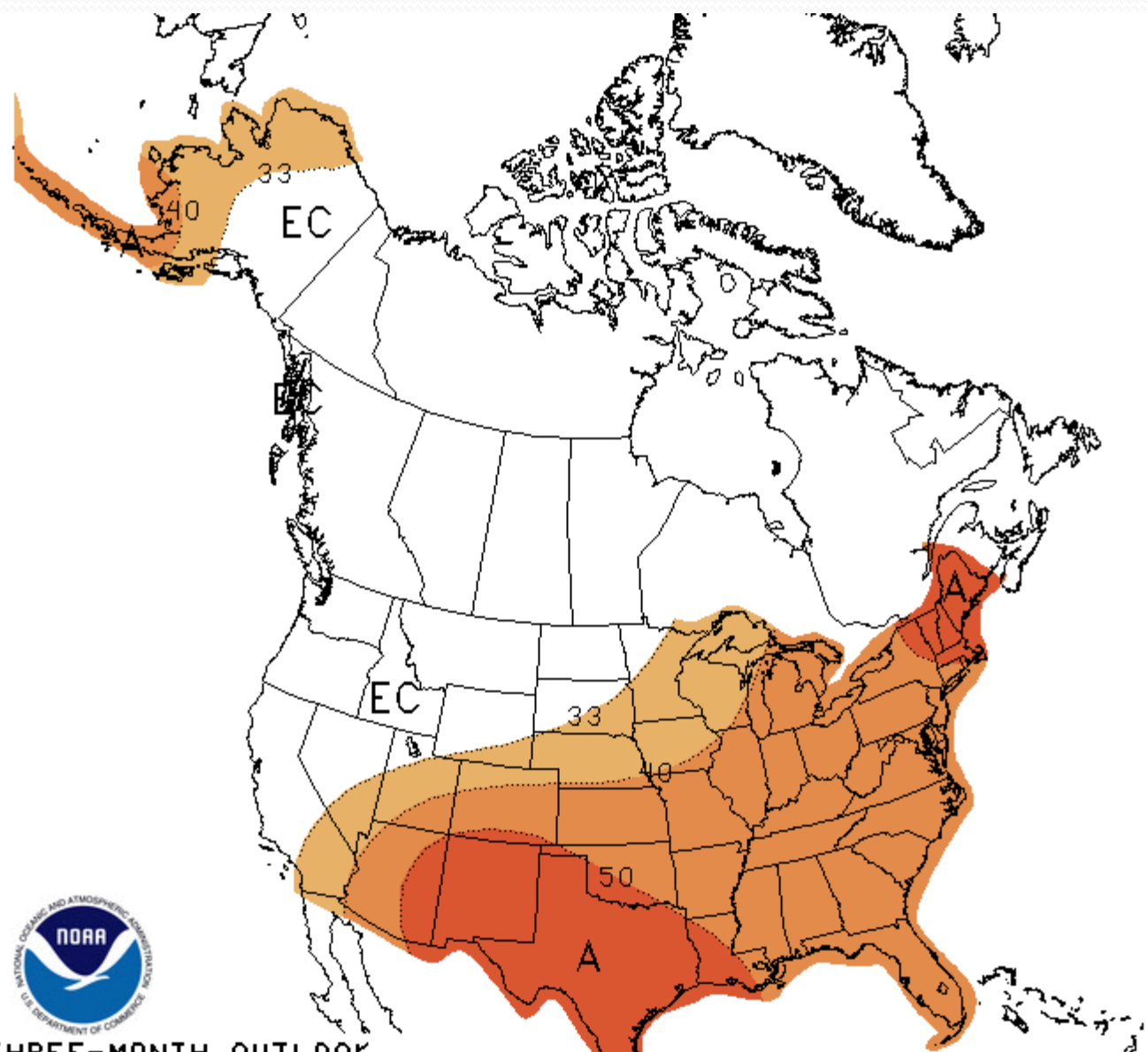
8-14 Day Fcst 03/11-19/17




Outlook for Mar 2017

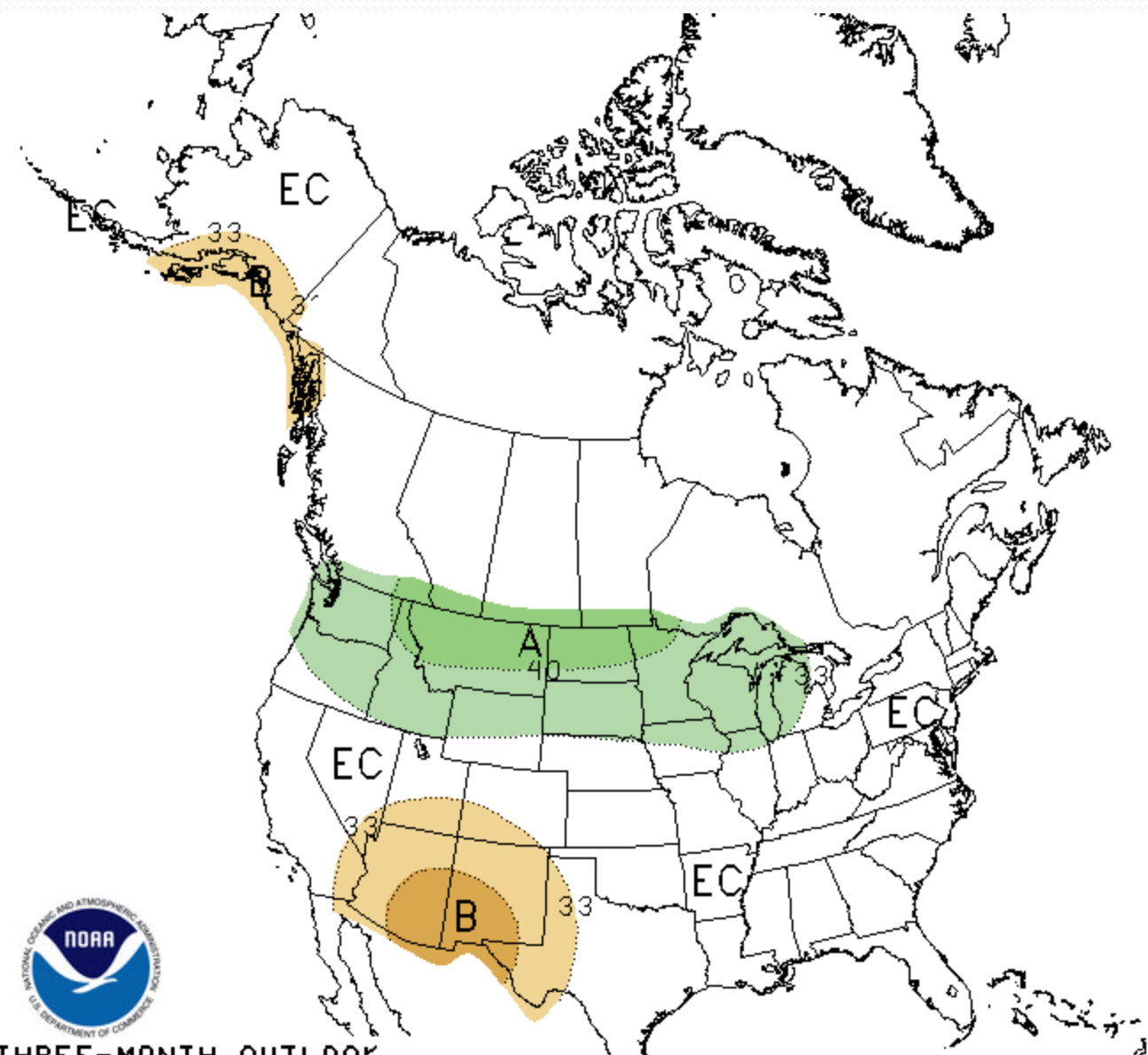



Outlook Mar, Apr, May 2017



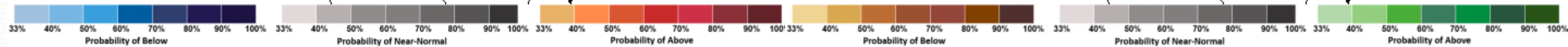

THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID MAM 2017
MADE 16 FEB 2017

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

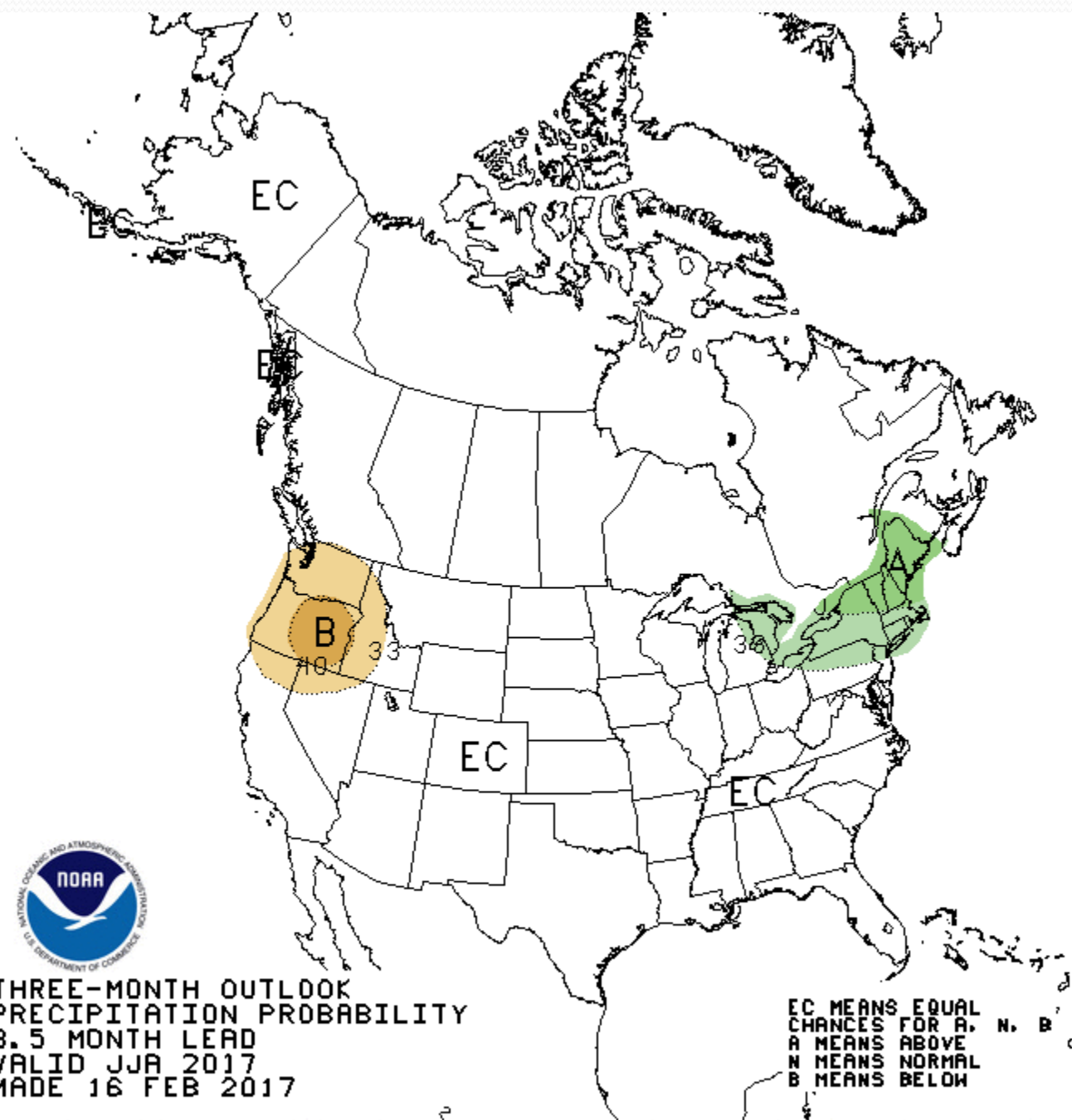
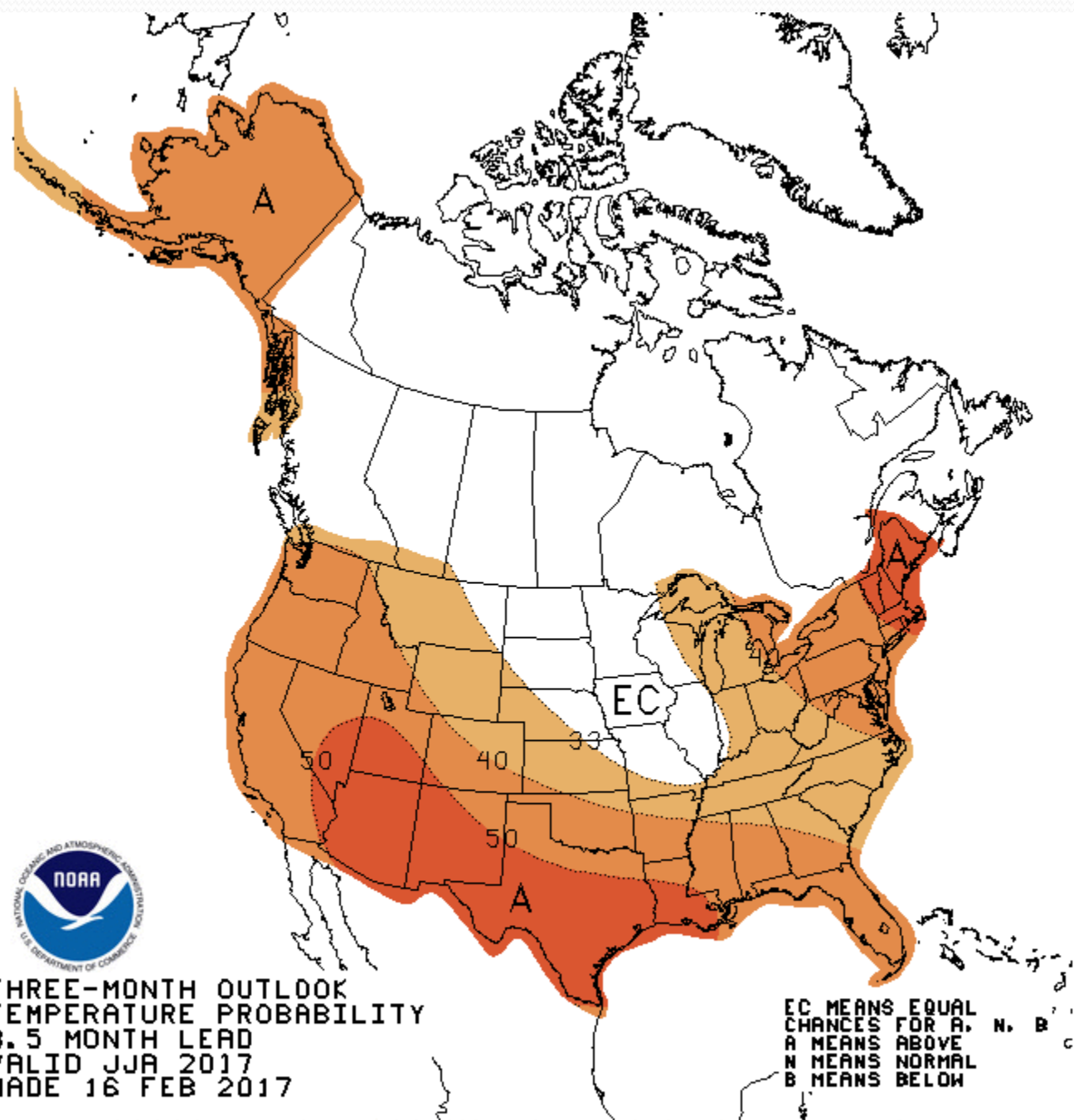



THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MAM 2017
MADE 16 FEB 2017

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



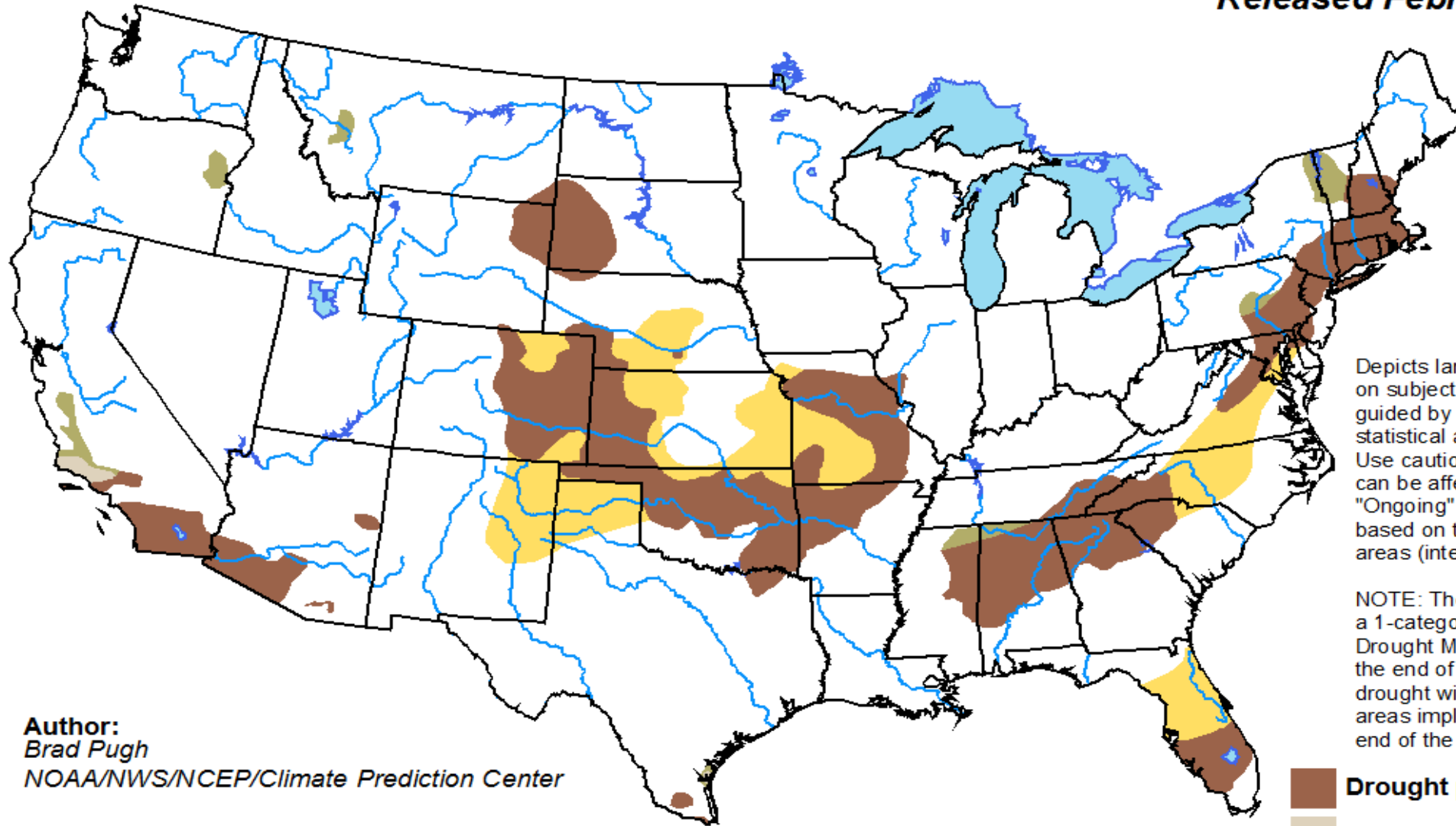
Outlook for June, July, Aug 2017



Drought outlook Feb

U.S. Monthly Drought Outlook **Drought Tendency During the Valid Period**




Valid for March 2017
Released February 28, 2017

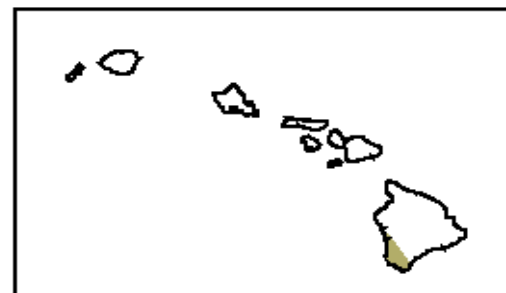
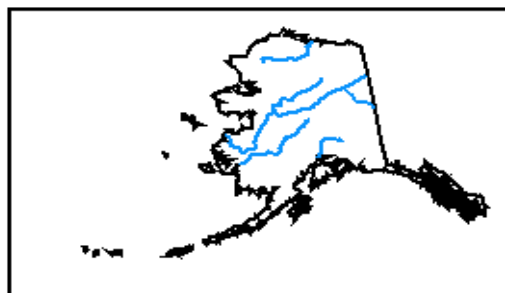


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

-  **Drought persists**
-  **Drought remains but improves**
-  **Drought removal likely**
-  **Drought development likely**

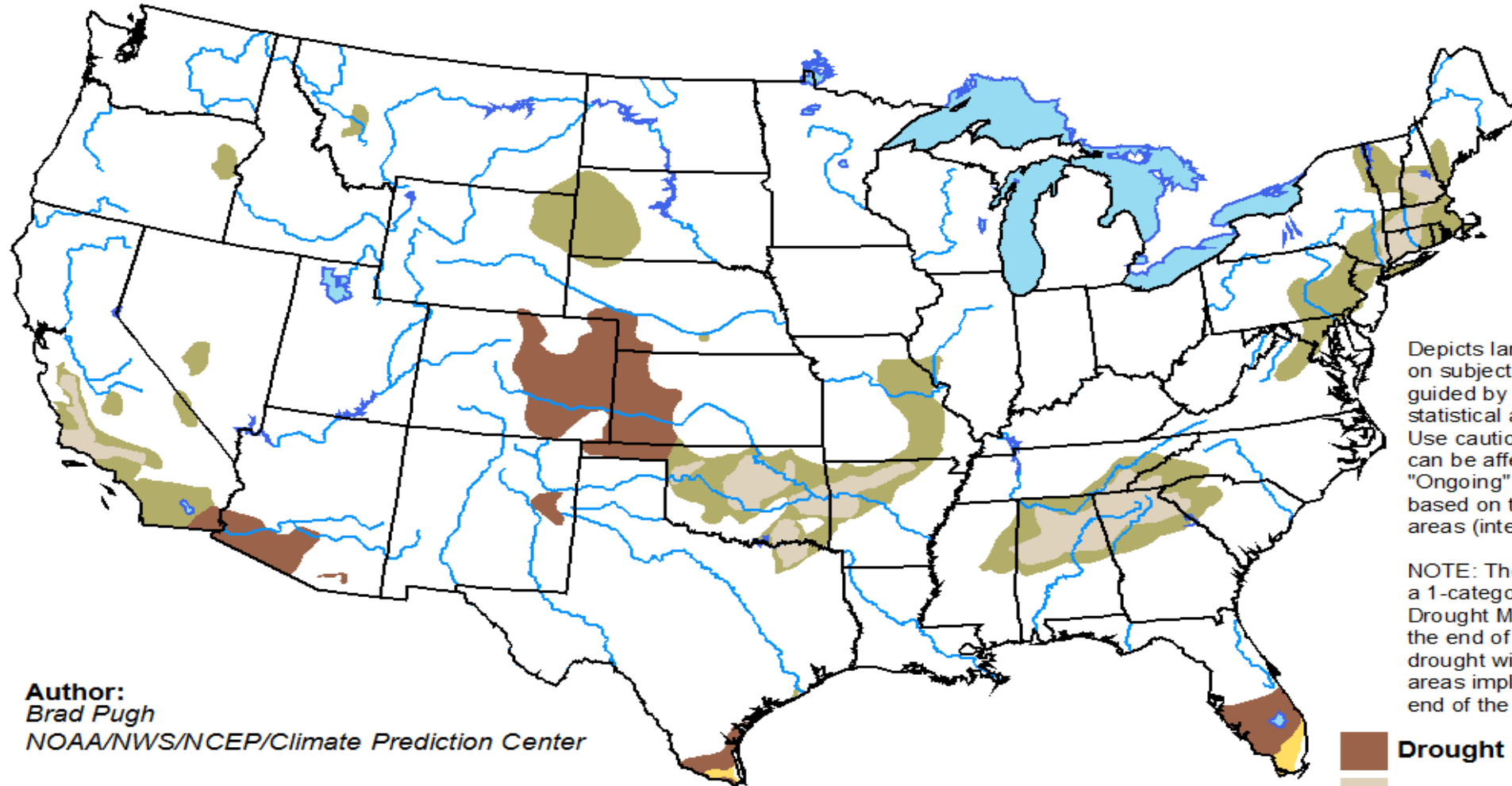


<http://go.usa.gov/3eZGd>

Drought Outlook 02/16 to 05/31

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period




Valid for February 16 - May 31, 2017
Released February 16, 2017

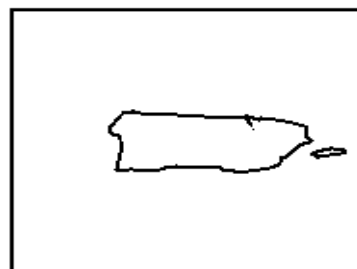
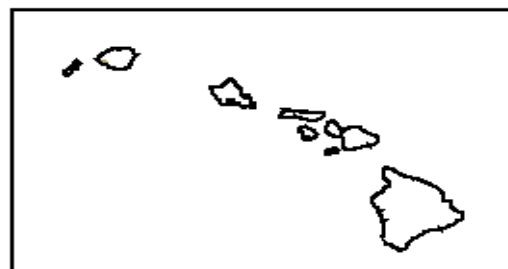
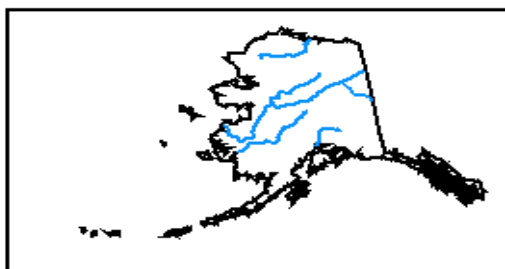


Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

-  **Drought persists**
-  **Drought remains but improves**
-  **Drought removal likely**
-  **Drought development likely**



<http://go.usa.gov/3eZ73>