# Massachusetts Drought Task Force Meeting NWS Update

**National Weather Service** 

Tuesday February 7th, 2017

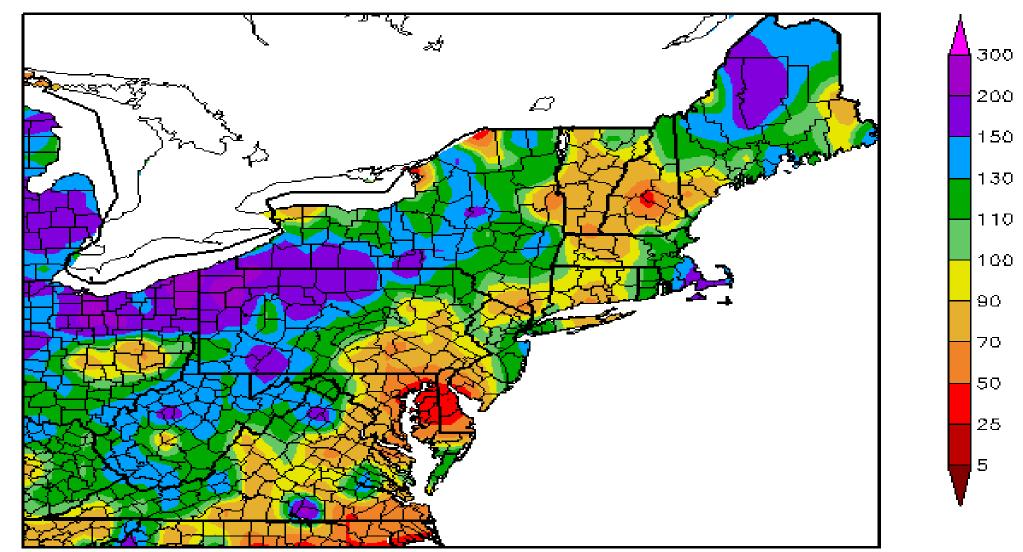
Alan Dunham, Hydrologic Program Leader



National Weather Service Boston, MA

# **30 Day Percent of Normal**

Percent of Normal Precipitation (%) 1/4/2017 - 2/2/2017

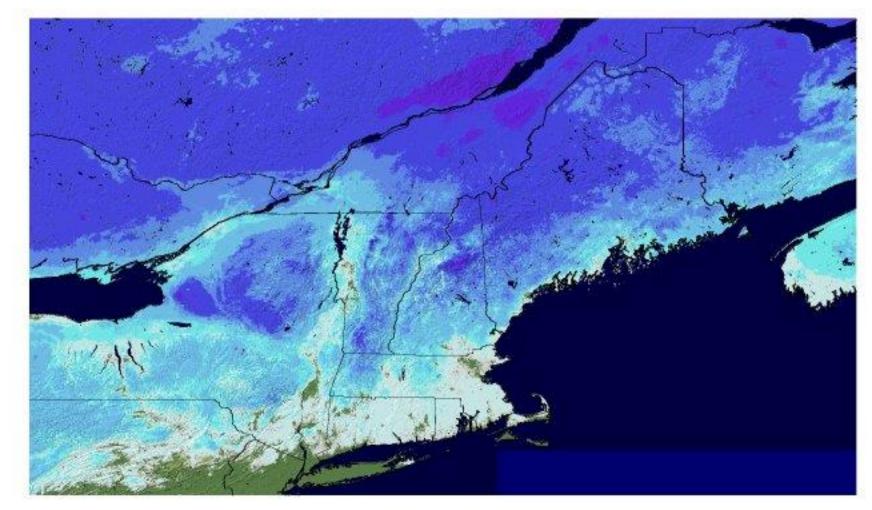


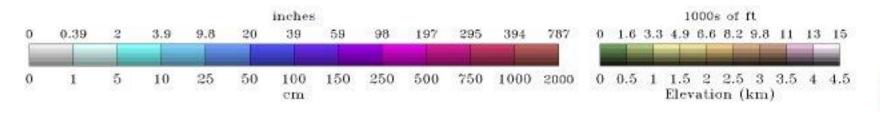
Generated 2/3/2017 at HPRCC using provisional data.

Regional Climate Centers

# Snow Depth 02/03/17

Snow Depth 2017-02-03 06 UTC





20 National Snow Analysis CHON EOF

# Snow/Water Equivalent 02/03/17

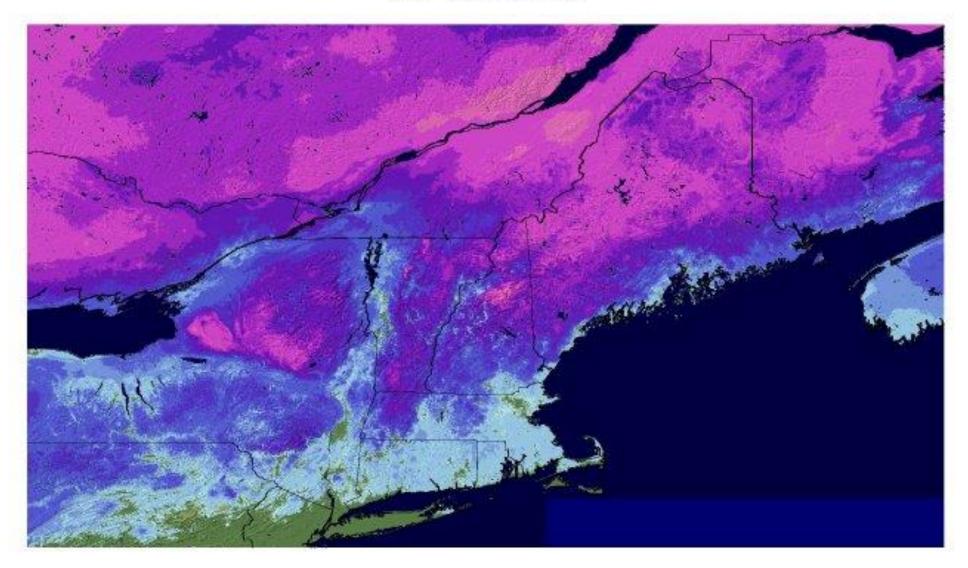
Snow Water Equivalent 2017-02-03 06 UTC

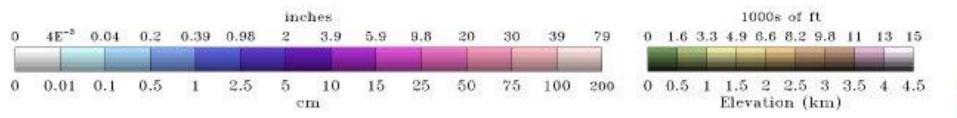
ON

NO

National Snow Analysis

NOL

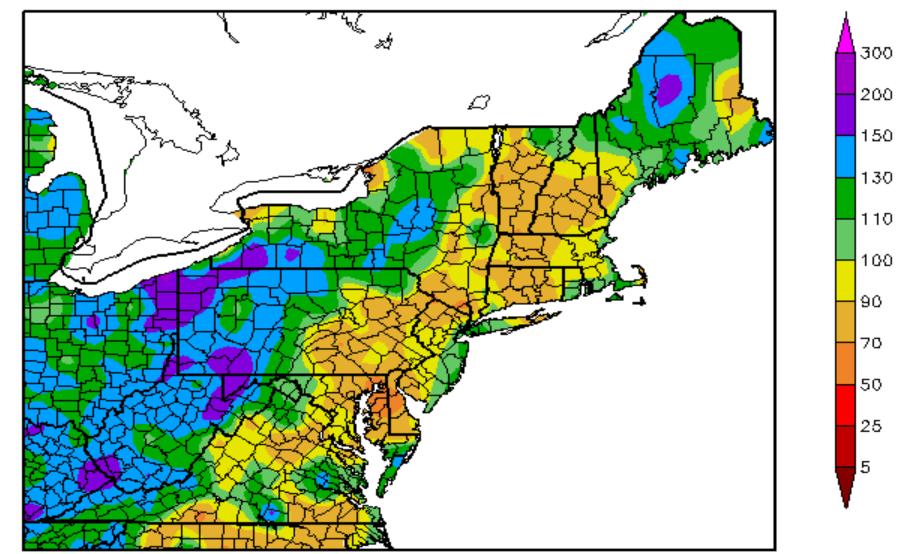




1010

#### 60 Day Percent of Normal

Percent of Normal Precipitation (%) 12/5/2016 - 2/2/2017

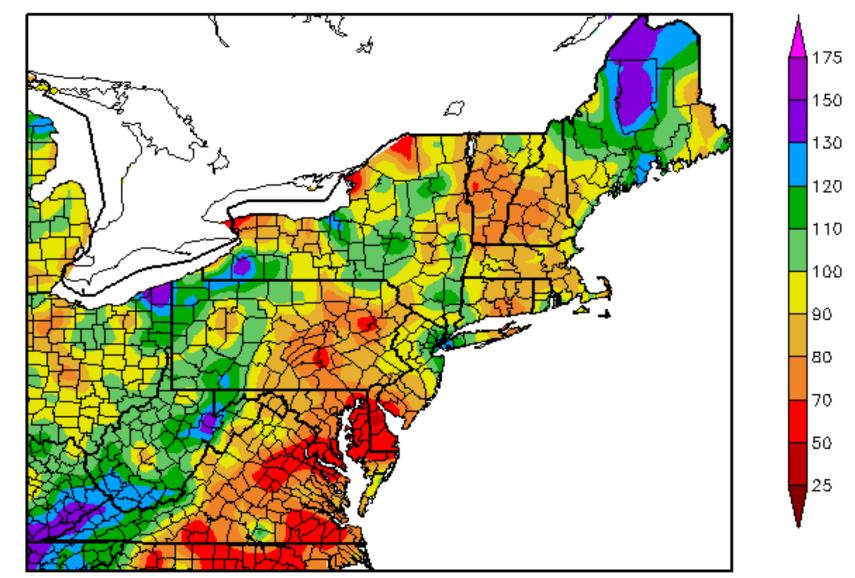


Generated 2/3/2017 at HPRCC using provisional data.

Regional Climate Centers

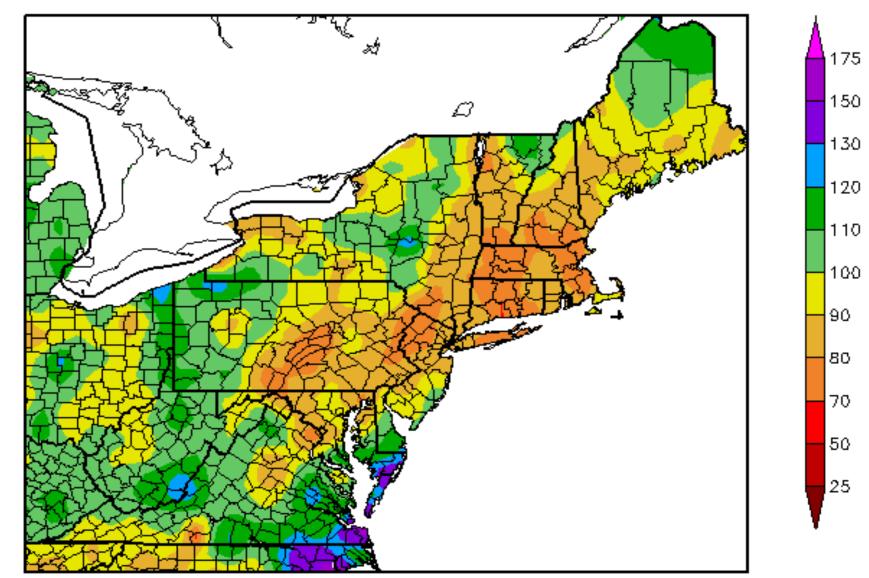
# 90 day Percent of Normal

Percent of Normal Precipitation (%) 11/5/2016 - 2/2/2017



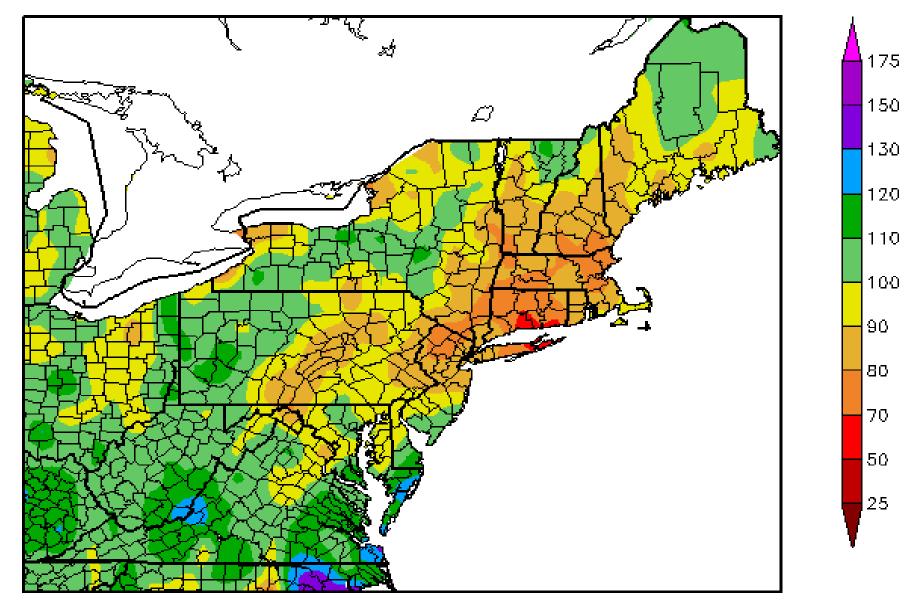
# 12 Month percent of Normal

#### Percent of Normal Precipitation (%) 2/2/2016 - 2/1/2017



### 24 Month Percent of Normal

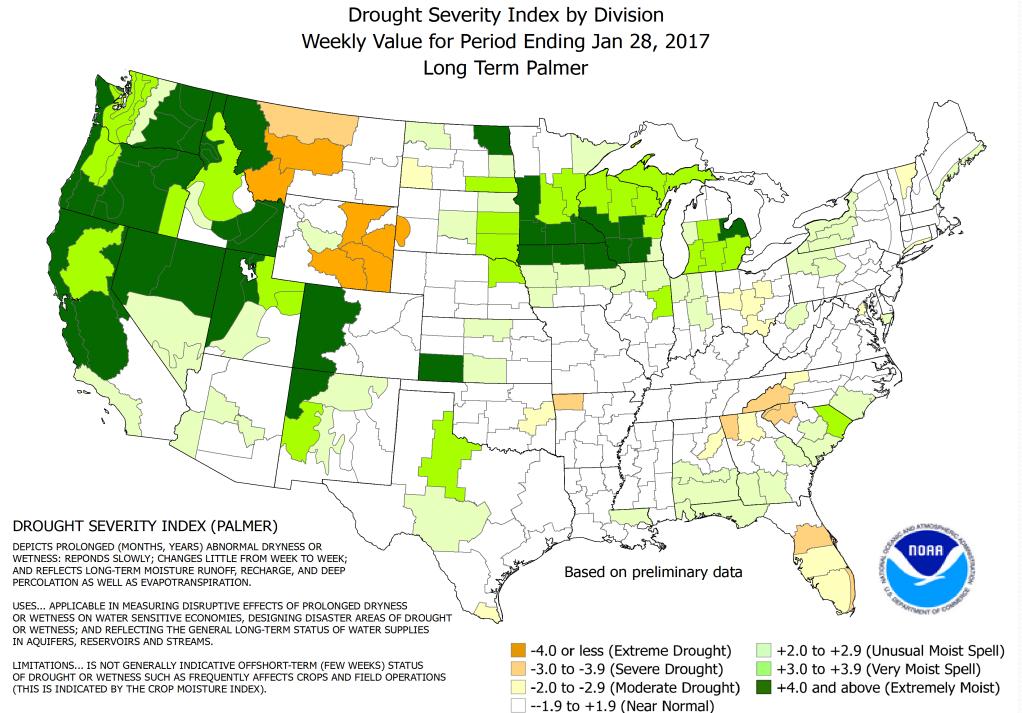
Percent of Normal Precipitation (%) 2/2/2015 - 2/1/2017



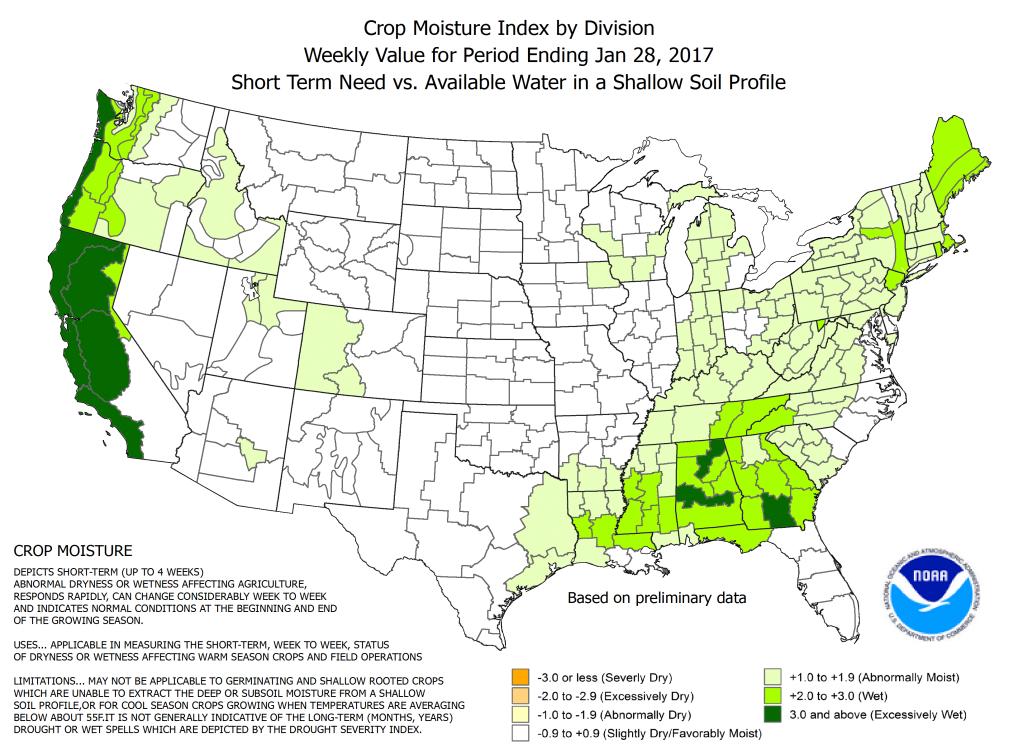
Generated 2/2/2017 at HPRCC using provisional data.

Regional Climate Centers

# Palmer Drought Index 01/28/17

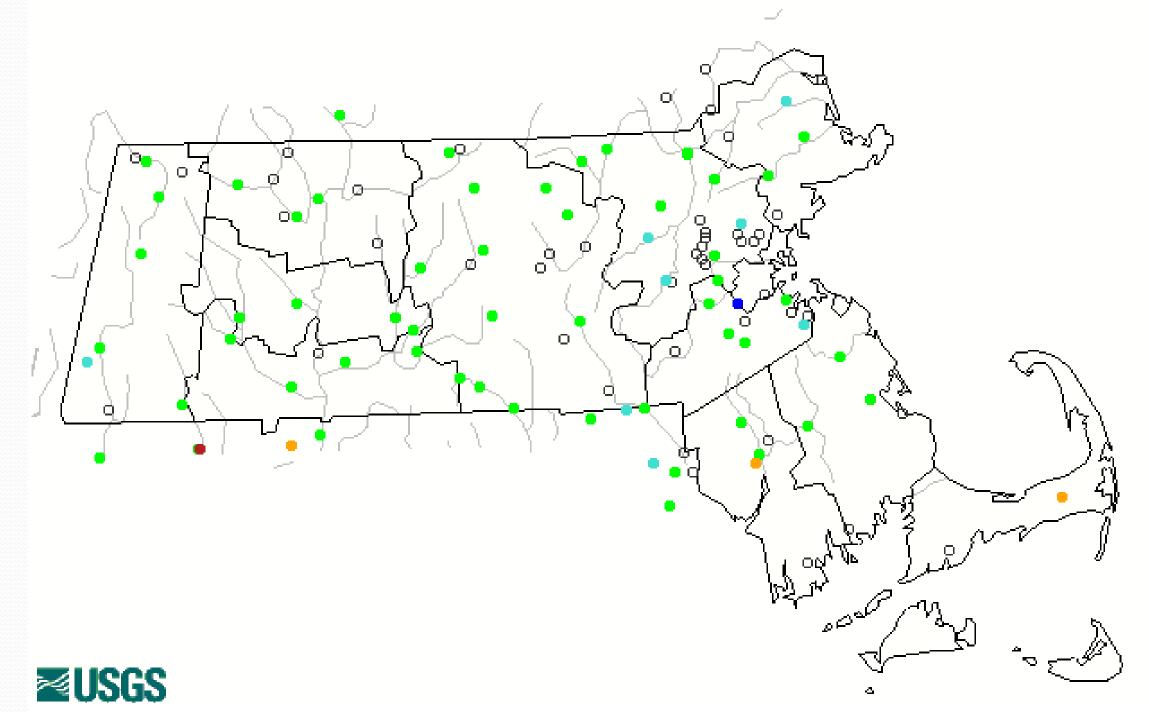


# Crop Moisture 01/28/17



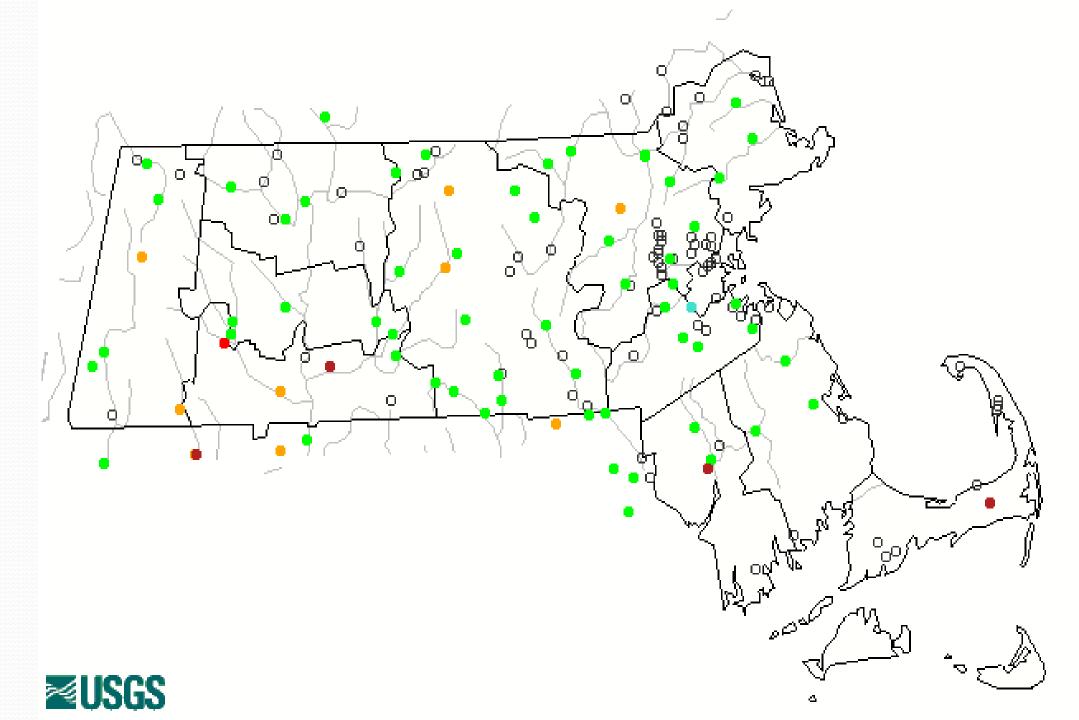
# 28 Day Avg Stream Flow 02/02/17

Thursday, February 02, 2017

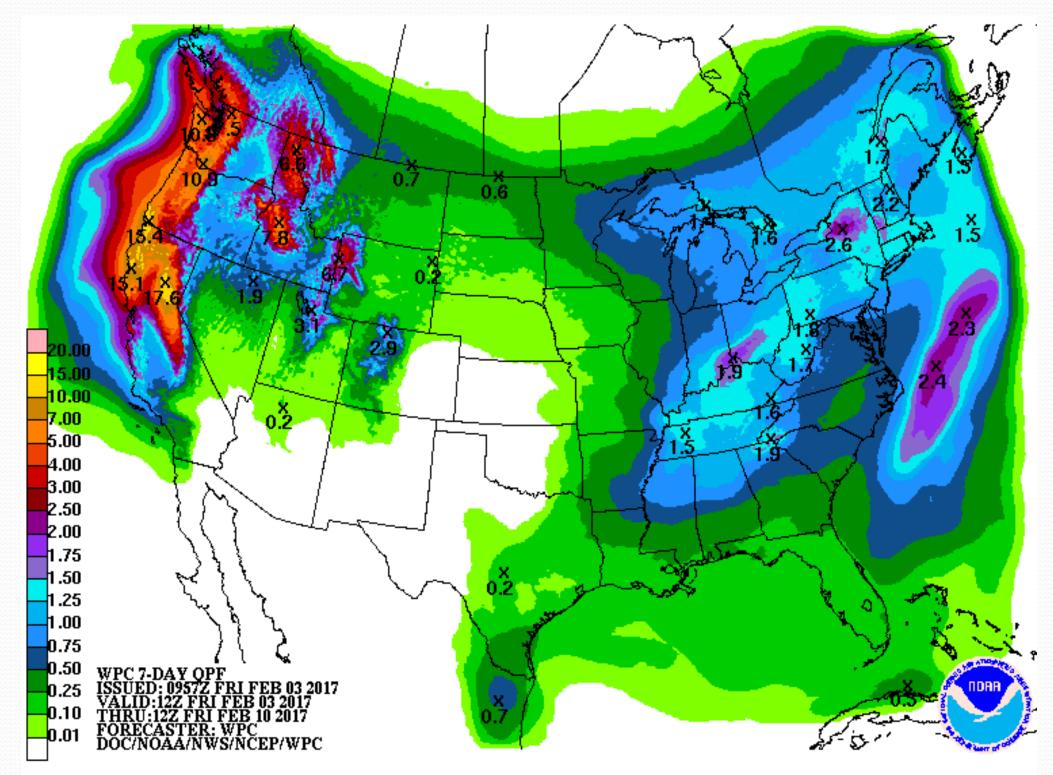


# Real Time Stream flow 02/02/17

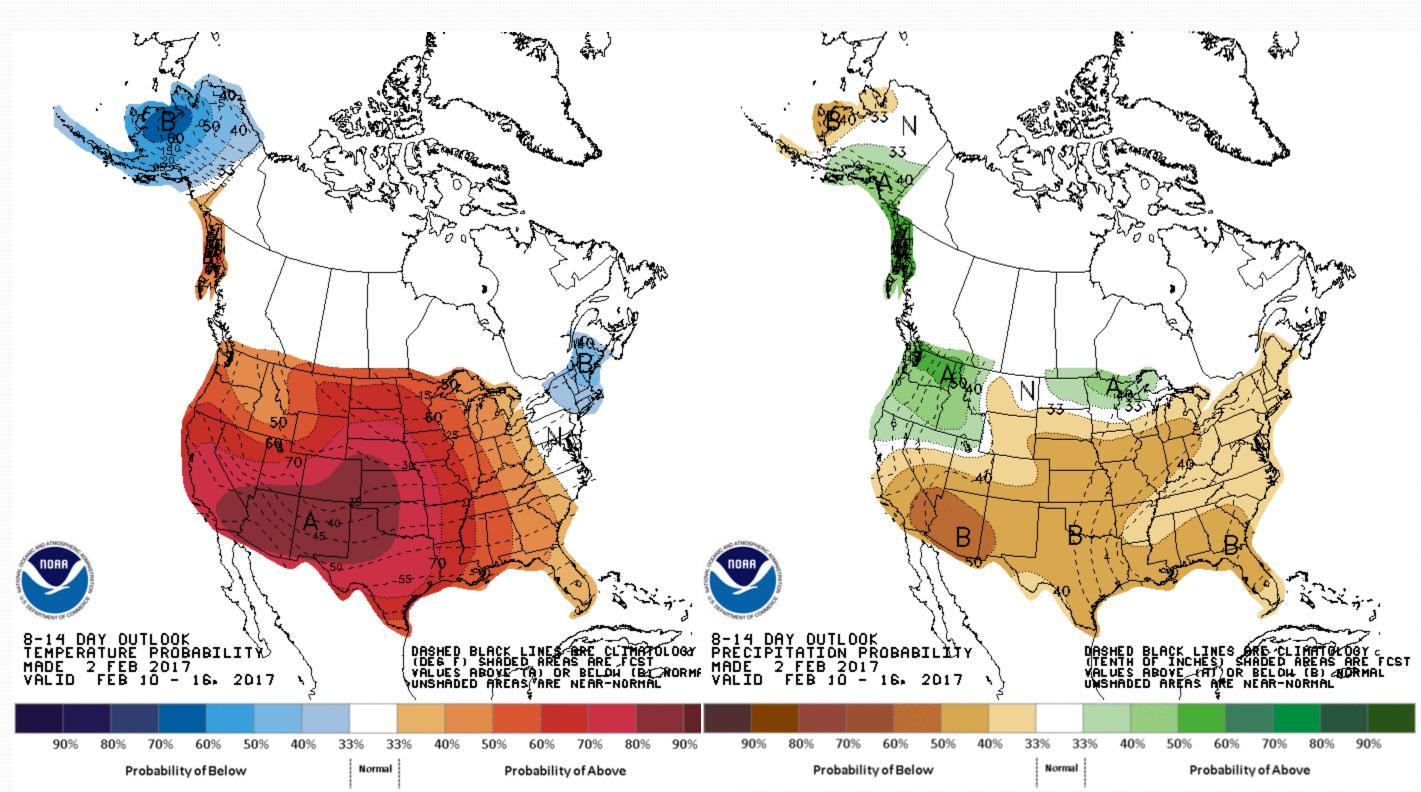
Friday, February 03, 2017 09:30ET



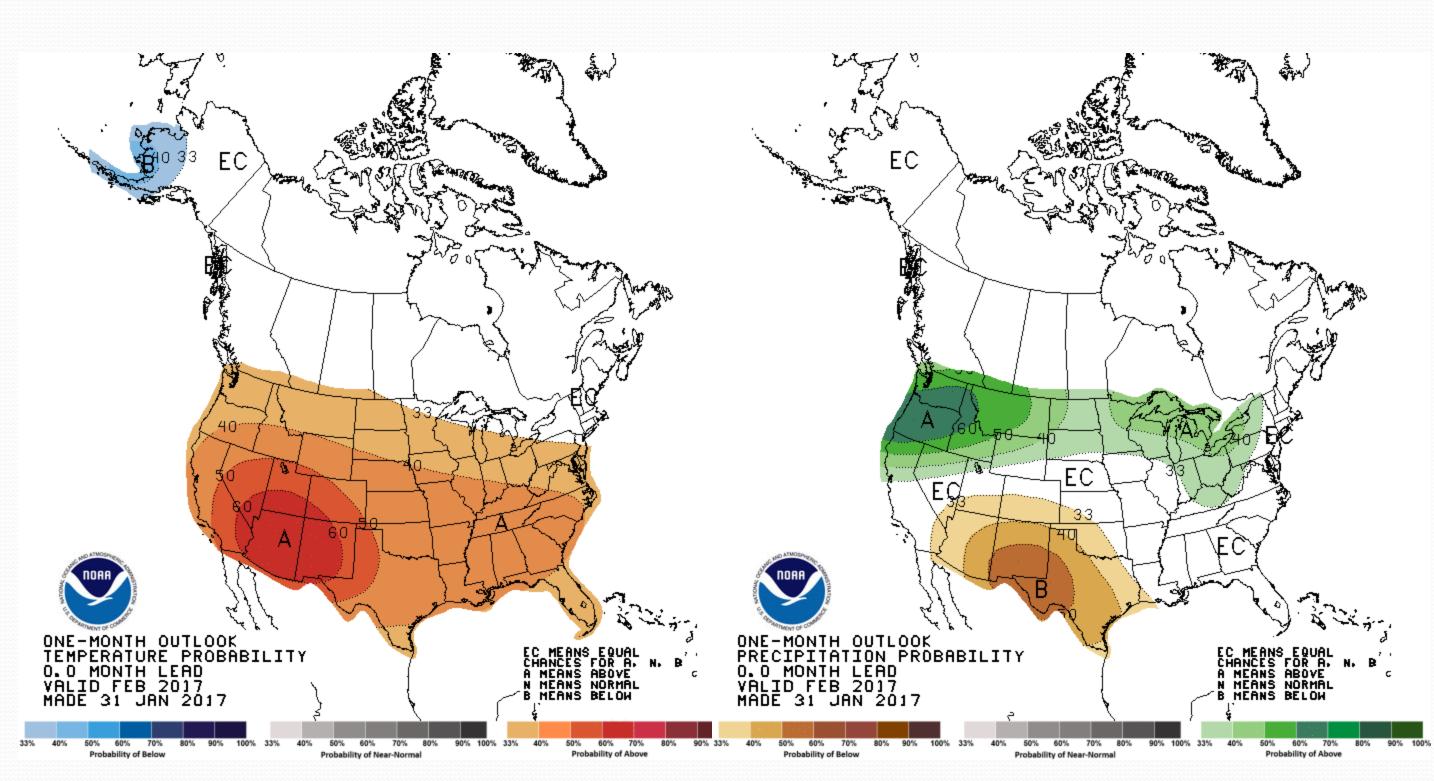
# 7 Day Precip Feb 03-10



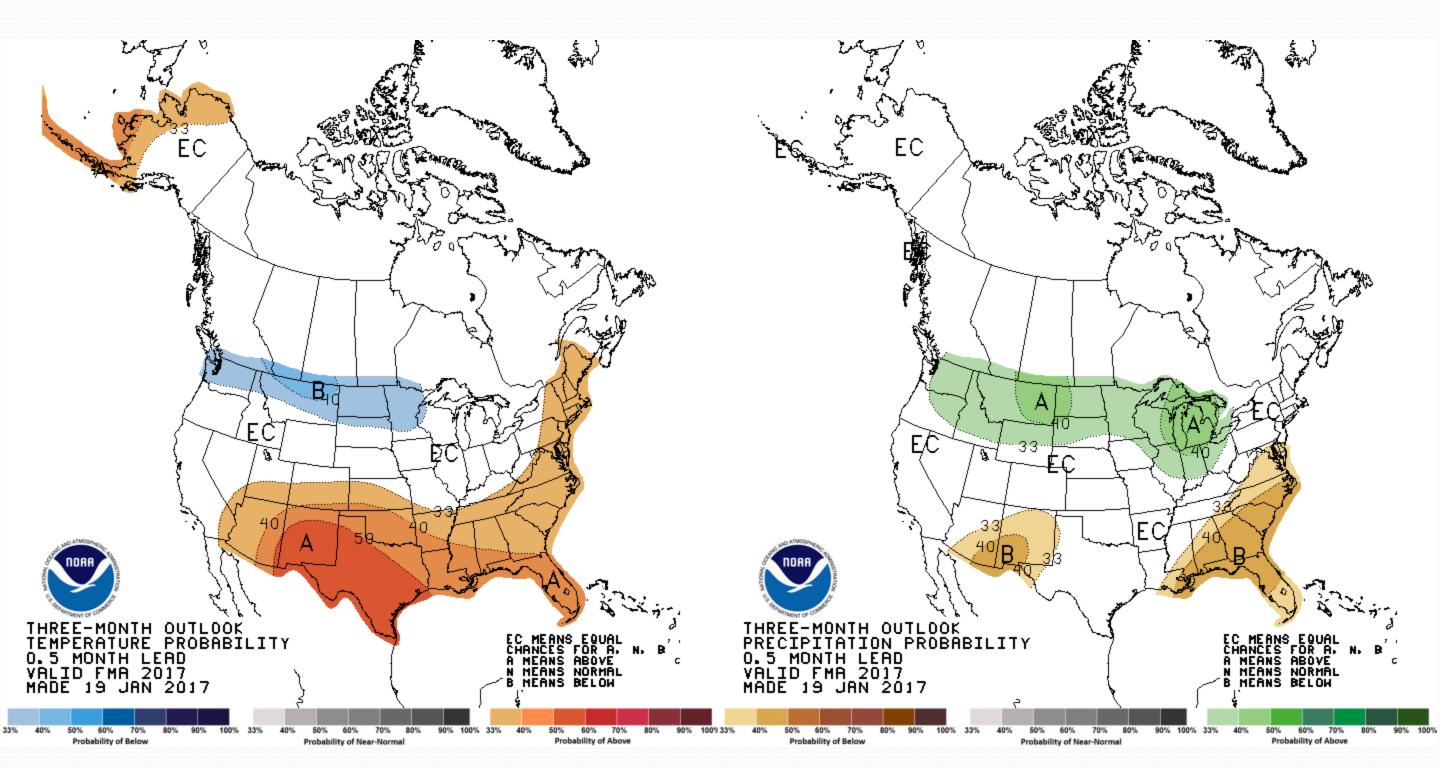
# 8-14 Day Fcst 02/10-16/17



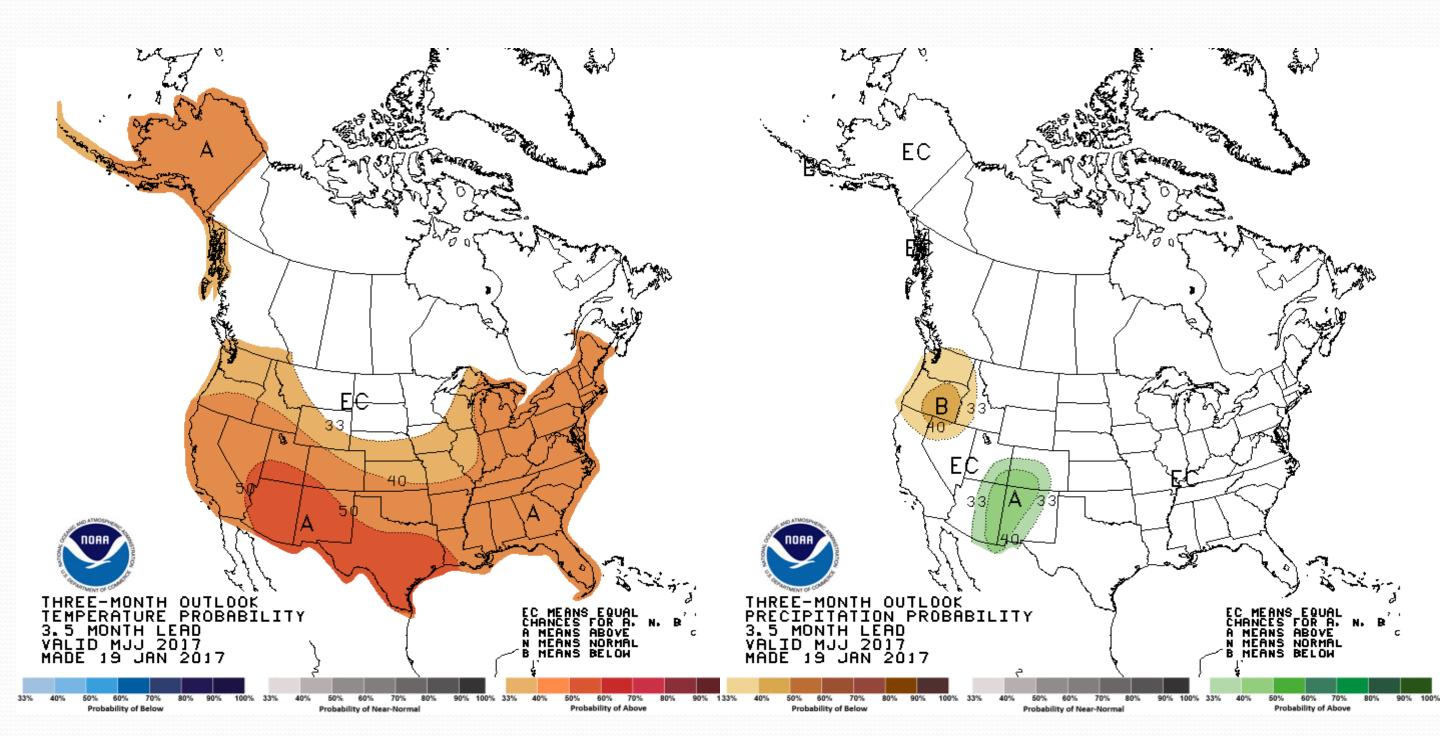
# Outlook for Feb 2017



# Outlook Feb, Mar, Apr 2017



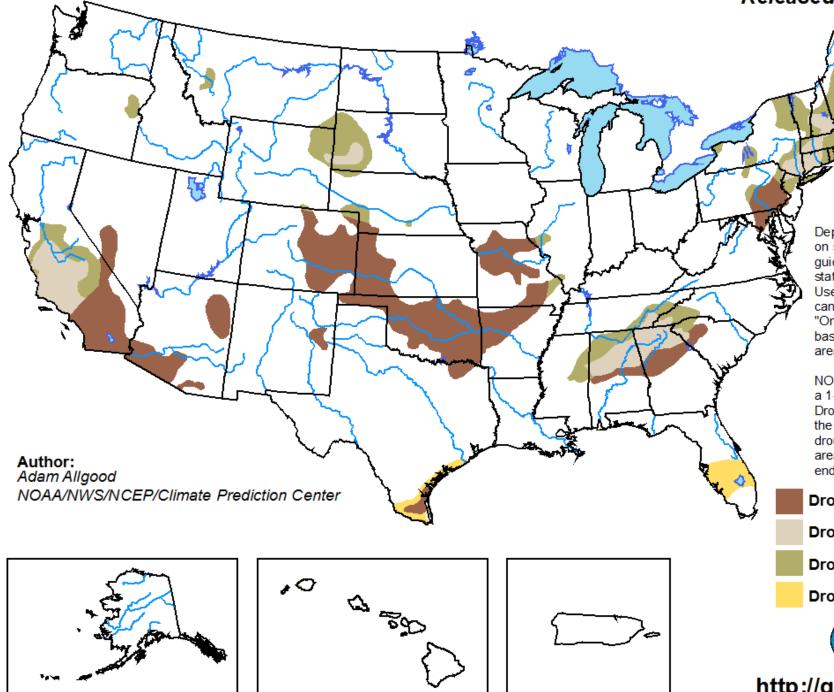
# Outlook for May, June, July 2017



# Drought outlook Feb

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

Valid for February 2017 Released January 31, 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).

Drought persists

Drought remains but improves

Drought removal likely

Drought development likely



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