Climate Outlook
National Weather Service

2014 Missouri River Corps, Coast Guard and Navigators Meeting

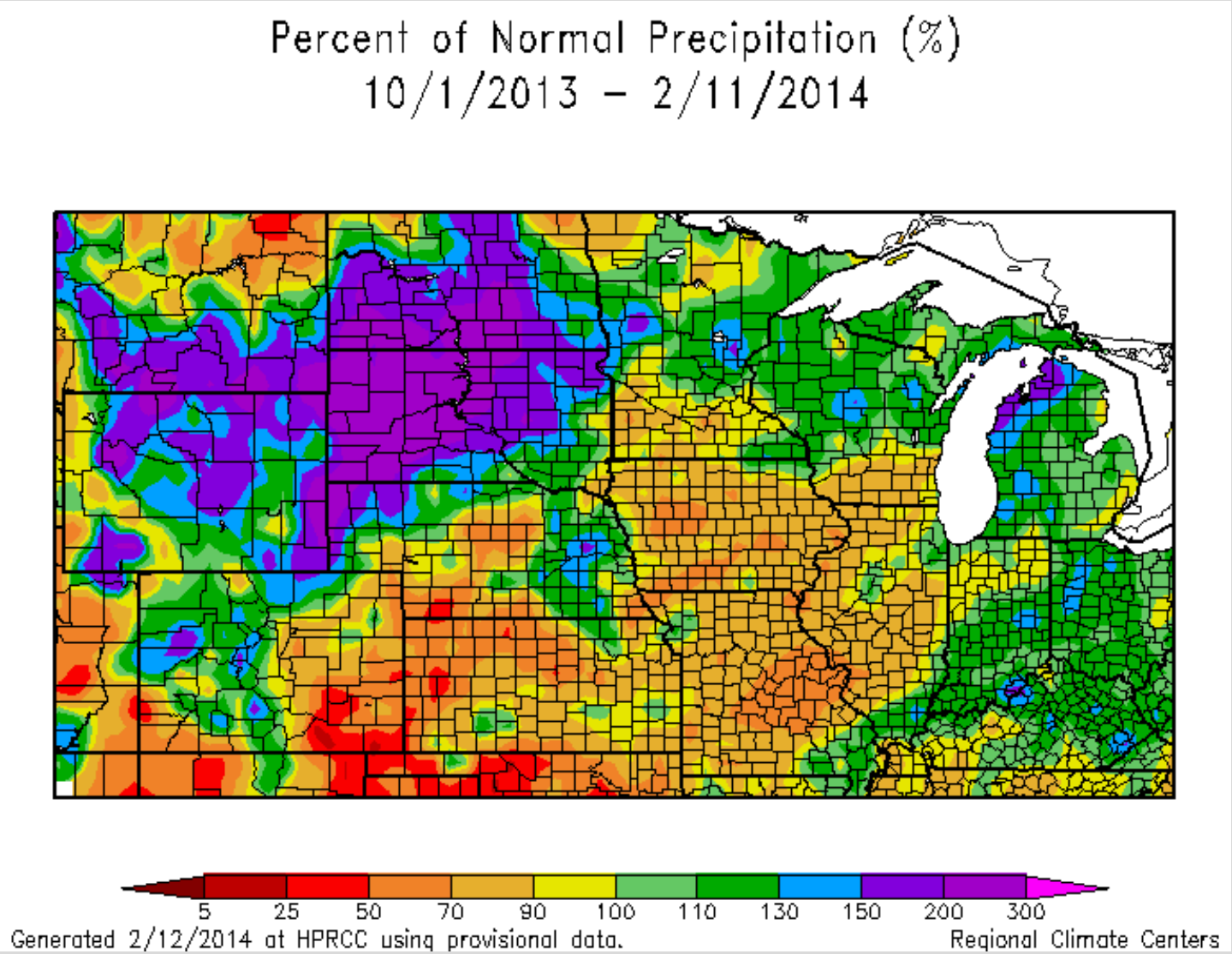
Kansas City, Missouri
February 12, 2014

John Eise
National Weather Service Central Region
Climate Services Program Manager
john.eise@noaa.gov
(816) 268-3144

Quick Look at the Water Year So Far

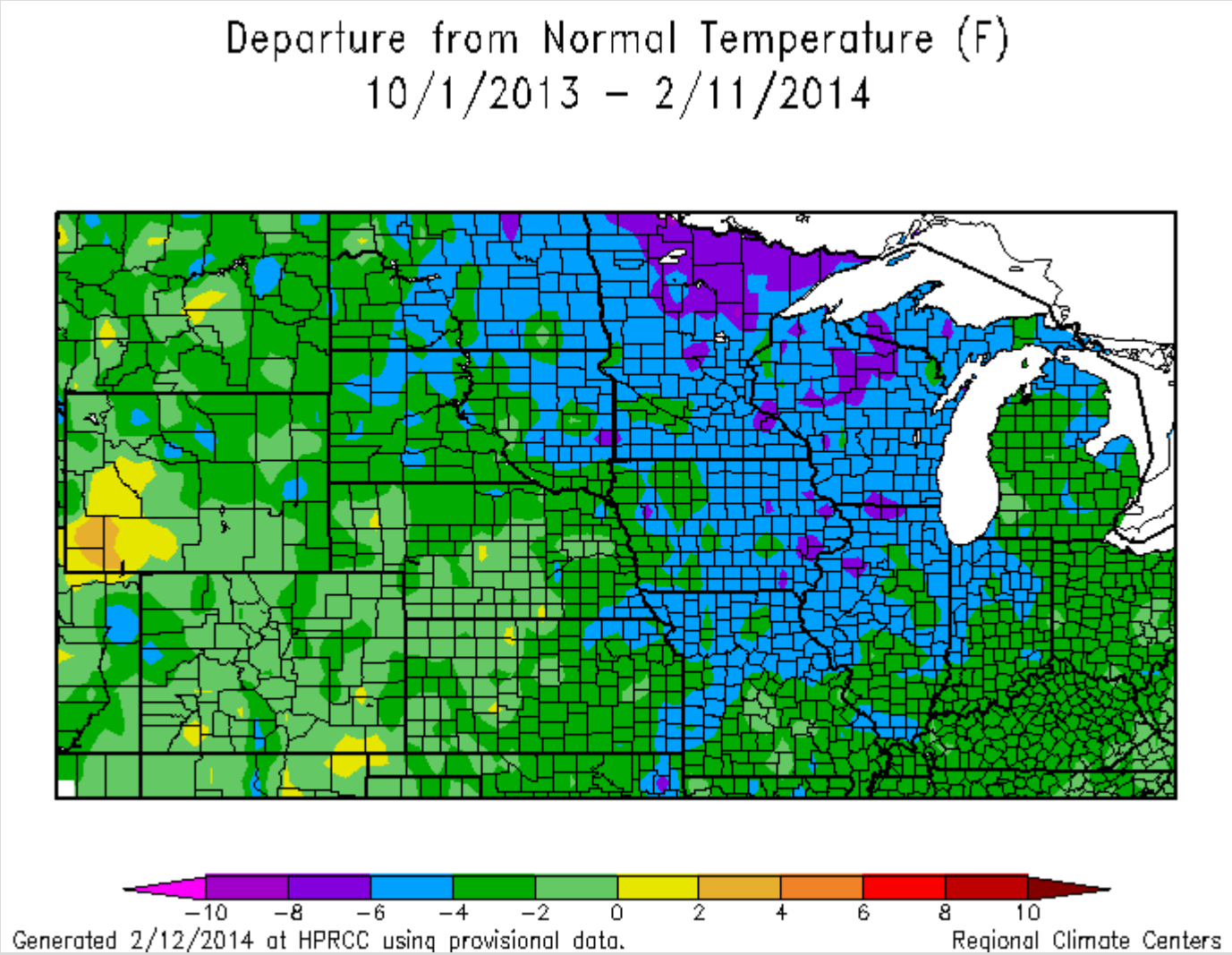
John Eise
National Weather Service Central Region
Climate Services Program Manager
john.eise@noaa.gov
(816) 268-3144

Rain and Snow Water
Current Water Year



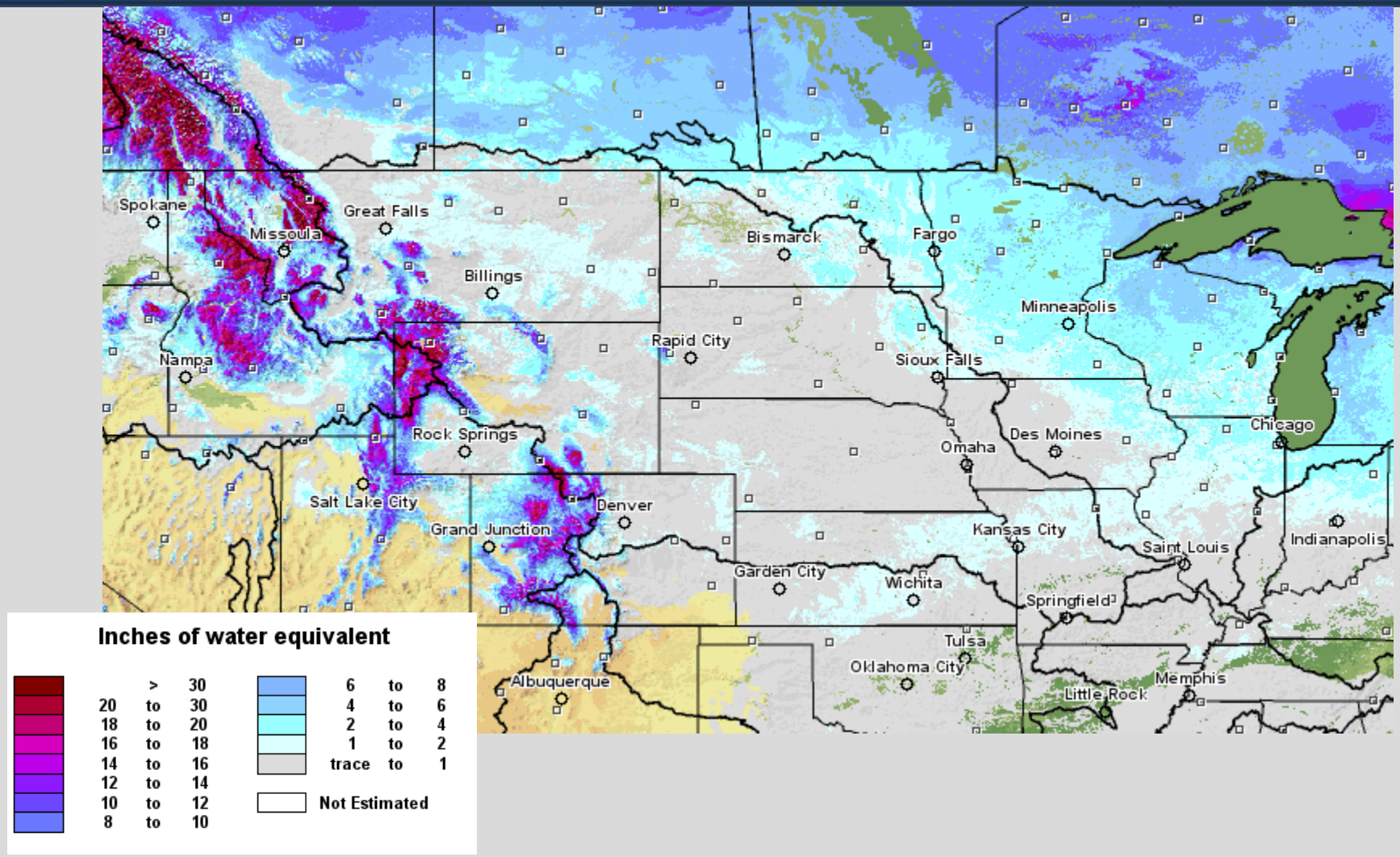
http://www.hprcc.unl.edu/maps/current/

Temperature
Current Water Year



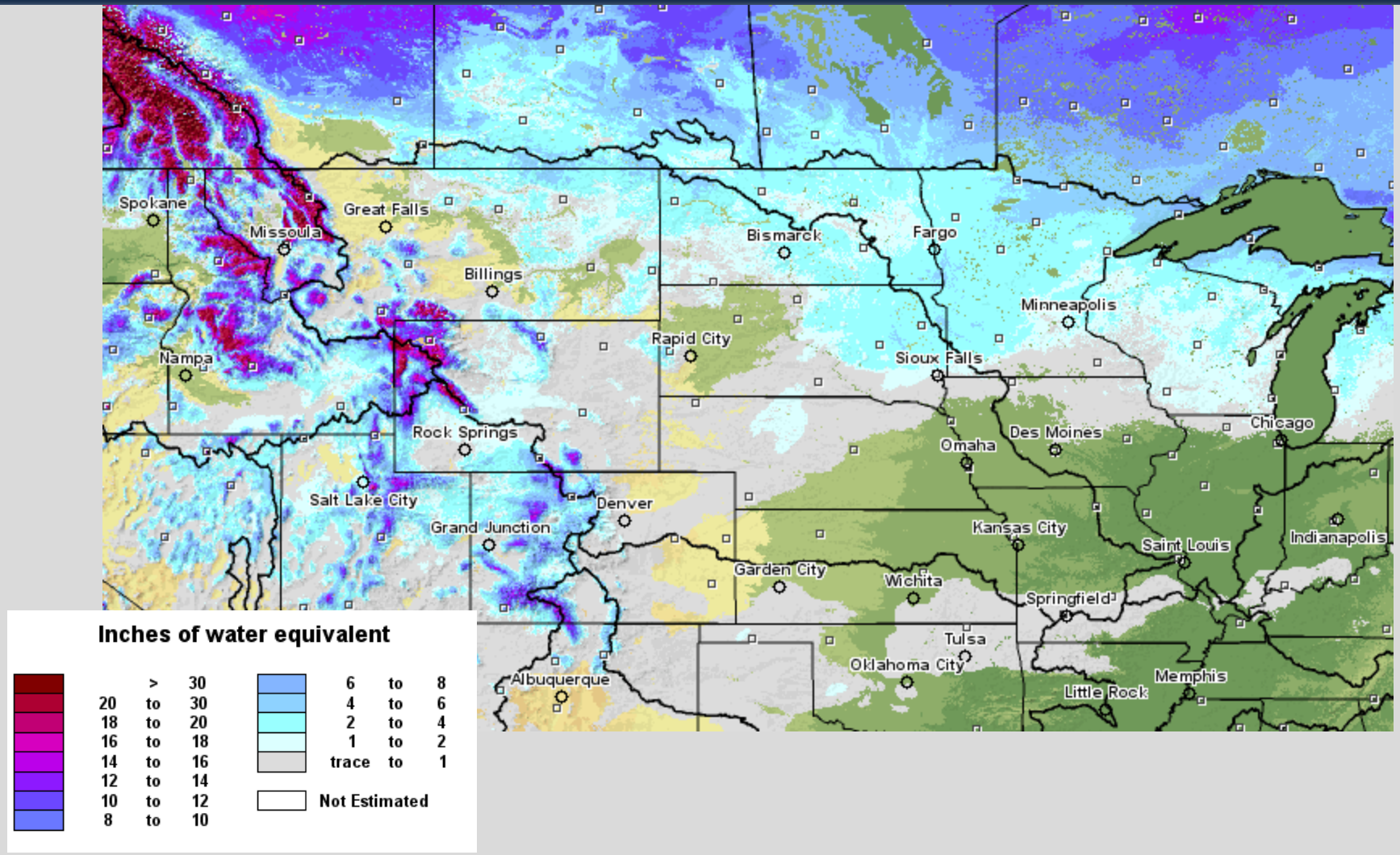
http://www.hprcc.unl.edu/maps/current/

Current Snow Water



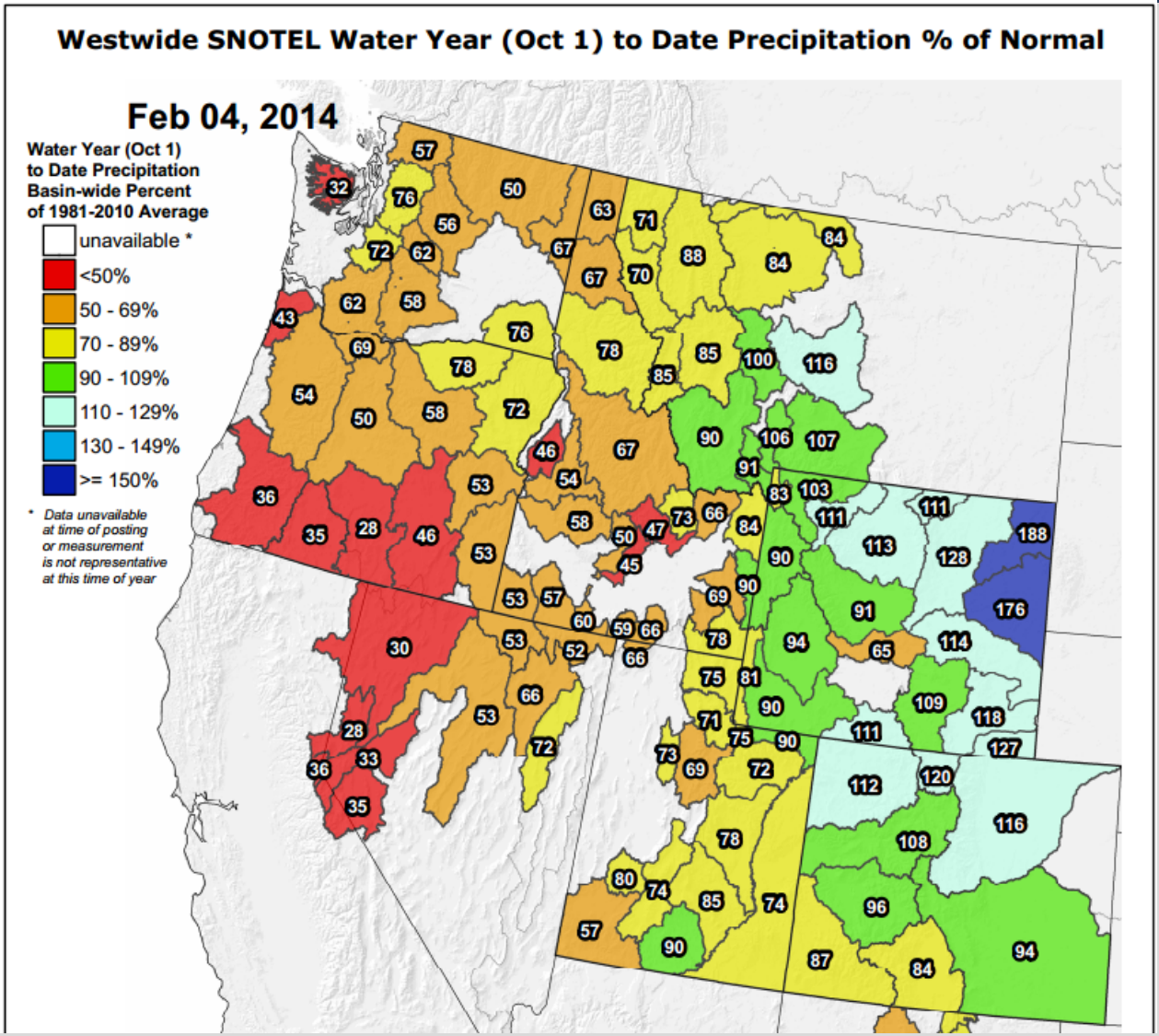
http://www.nohrsc.noaa.gov/interactive/html/map.html?

Late Year's Snow Water



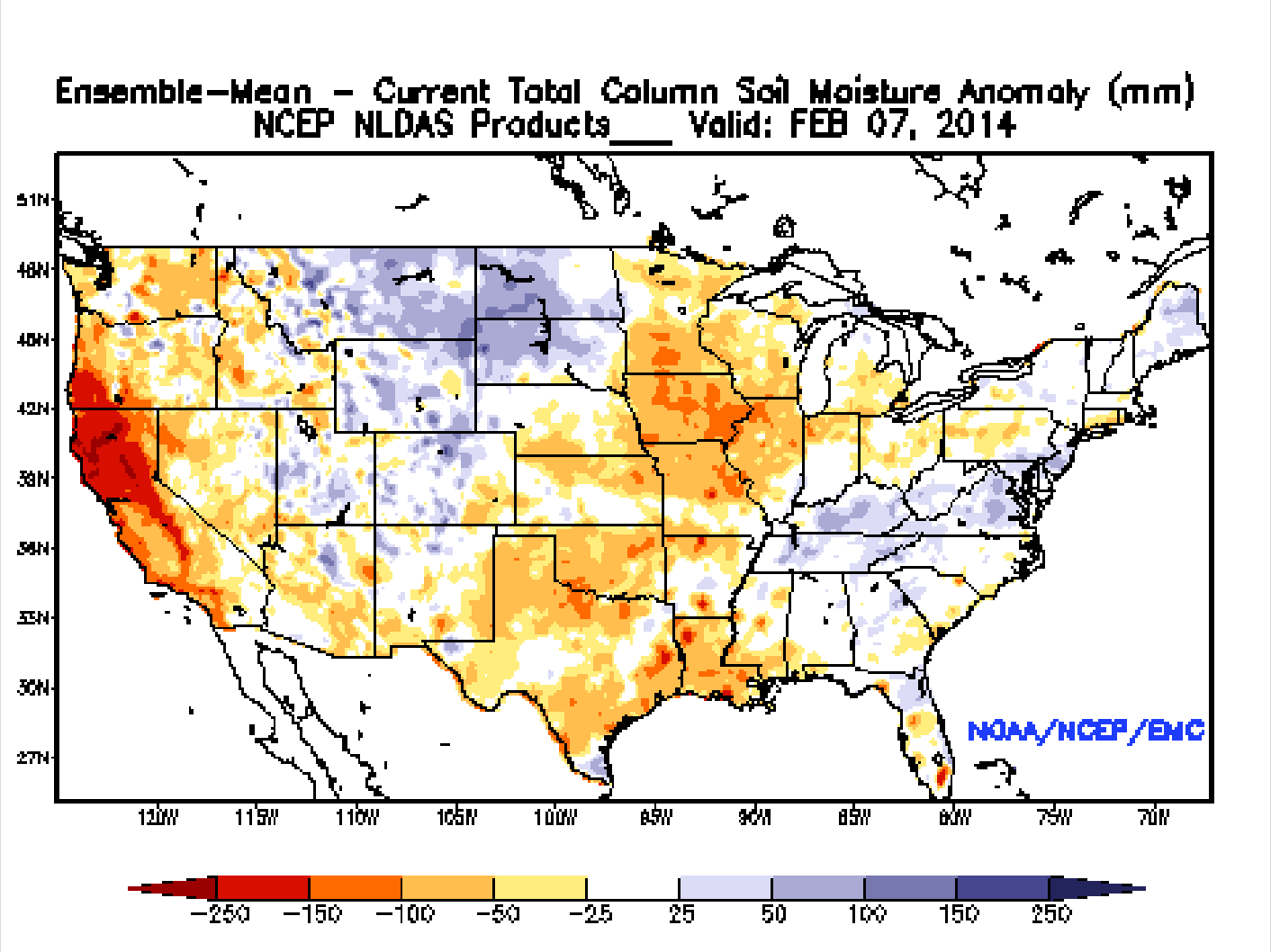
http://www.nohrsc.noaa.gov/interactive/html/map.html?

Mountain Snow Water



http://www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/west_wytdprecpctnormal_update.pdf

Soil Moisture – Total Column
Per Cent of Normal

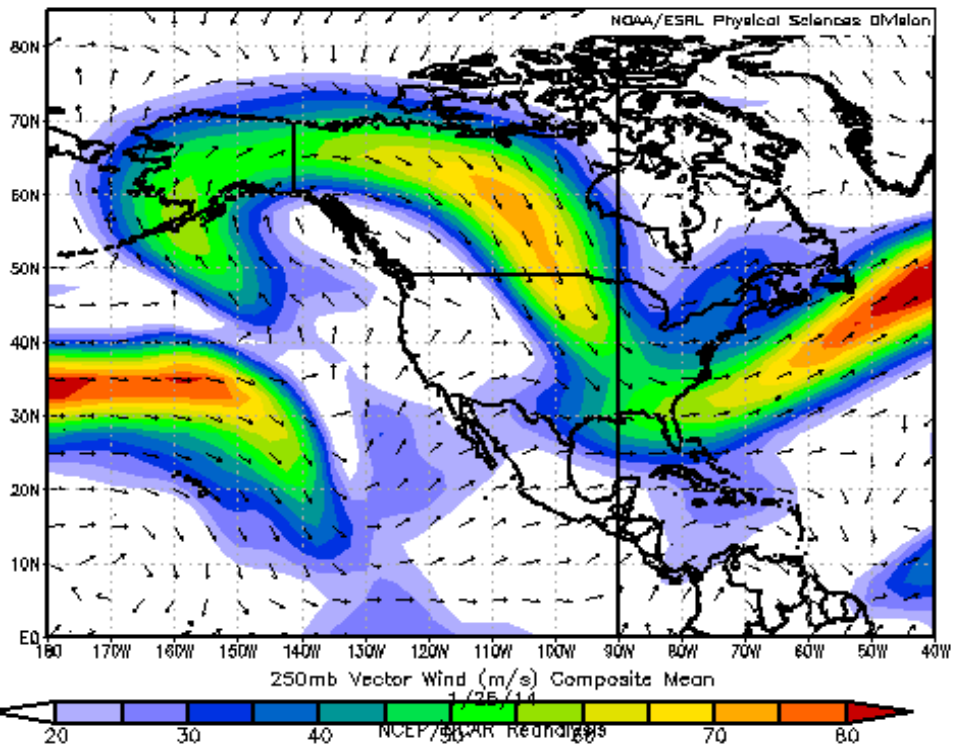


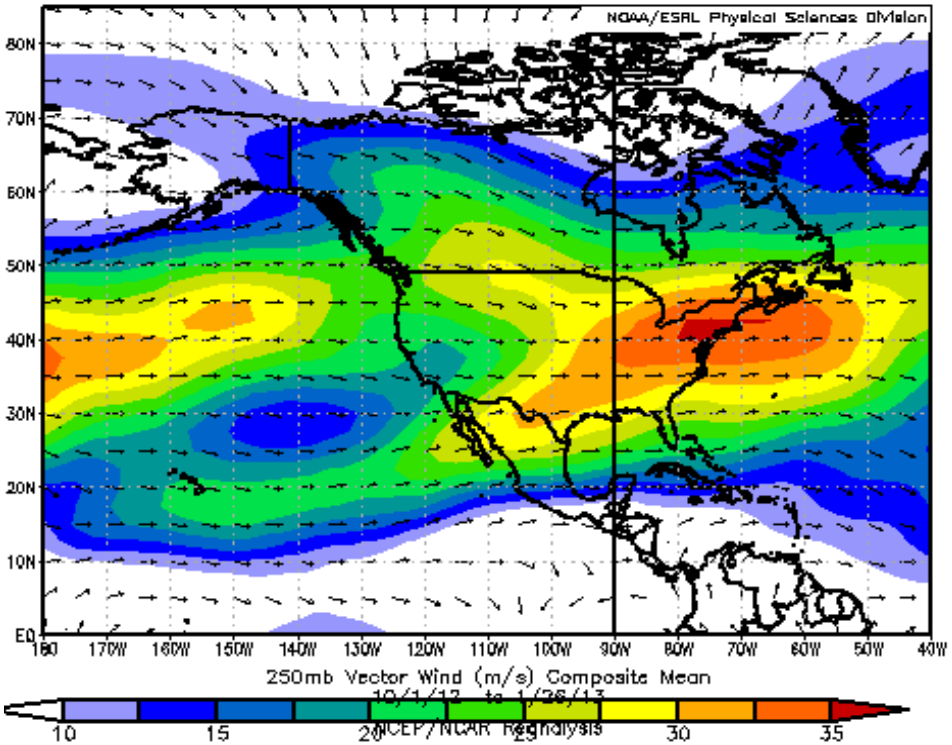
http://www.emc.ncep.noaa.gov/mmb/nldas/drought/

Why so cold this year?

John Eise
National Weather Service Central Region
Climate Services Program Manager
john.eise@noaa.gov
(816) 268-3144

Jet Stream

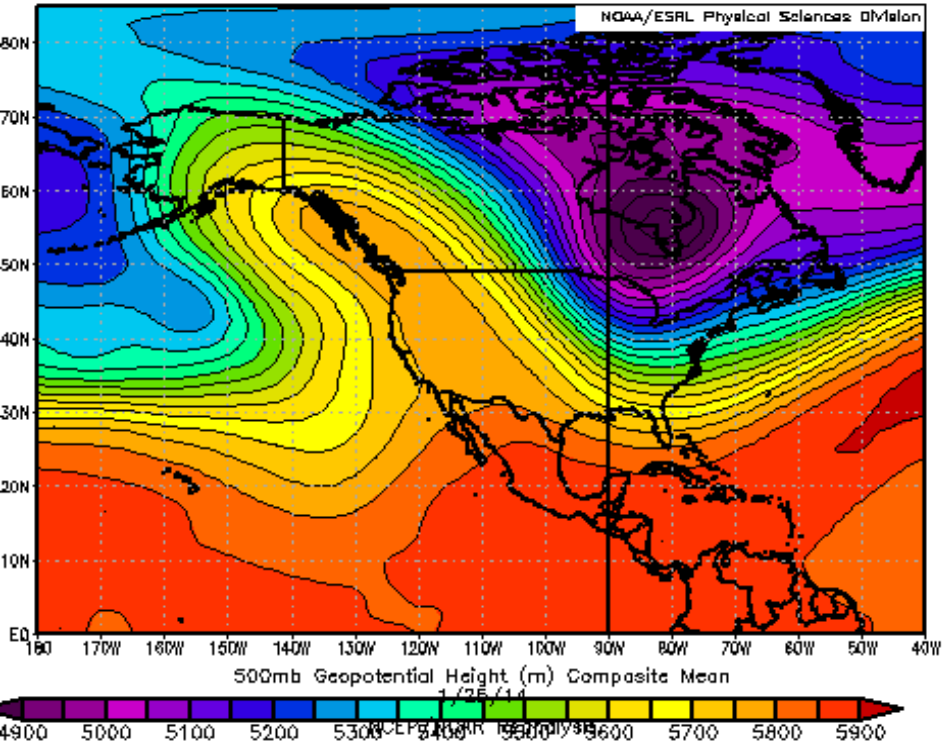


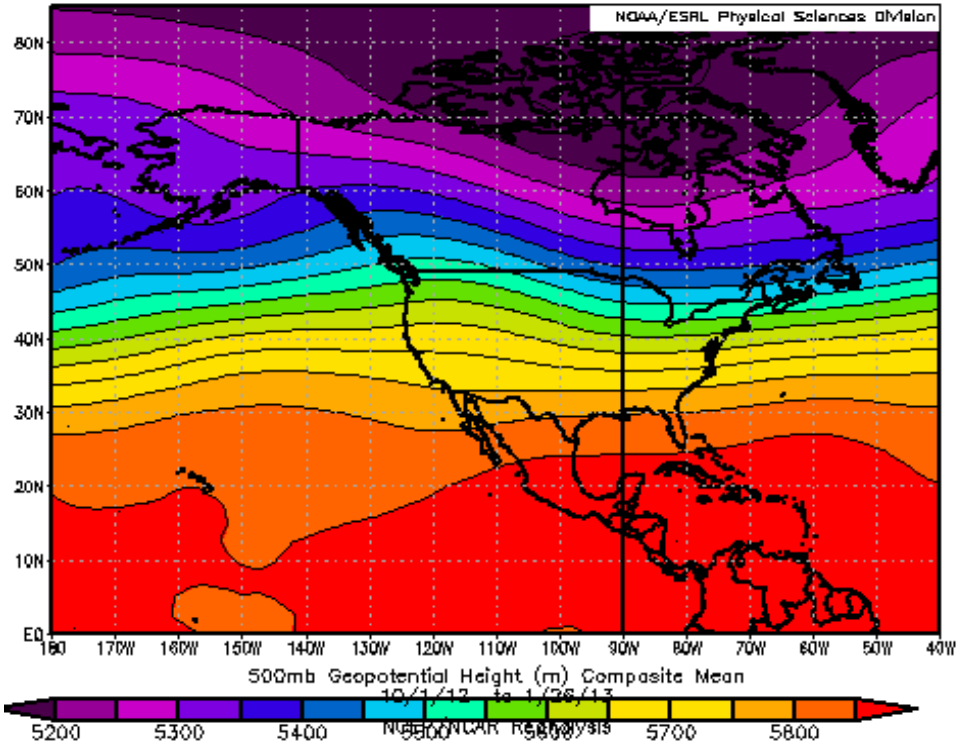


This Year

Last Year

Steering Level for Storms

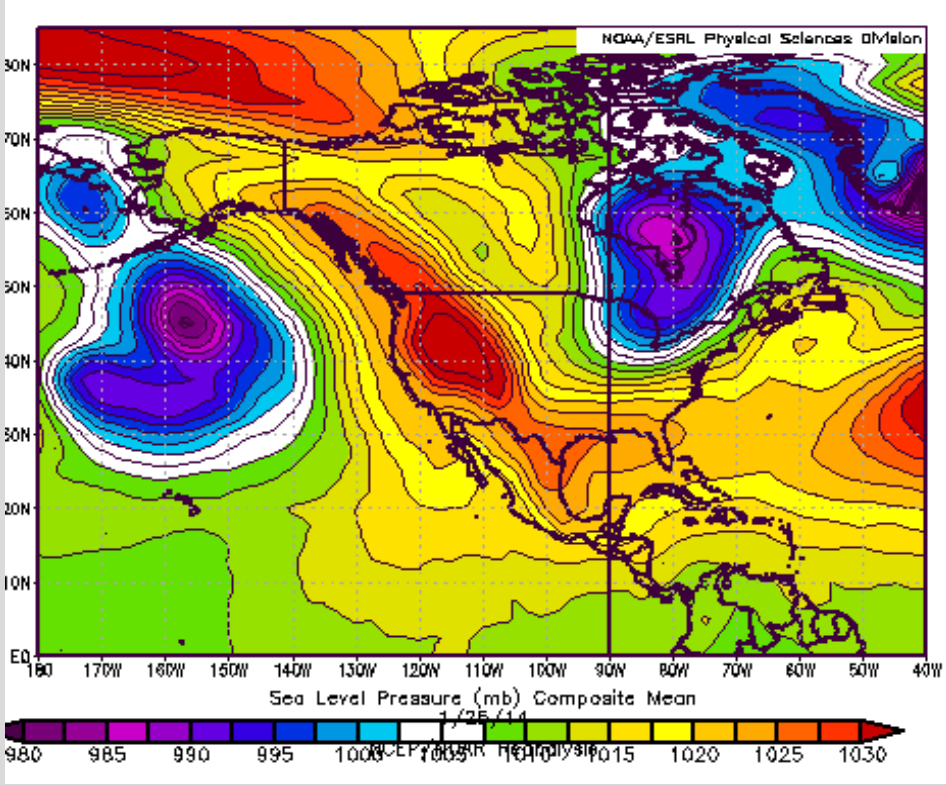


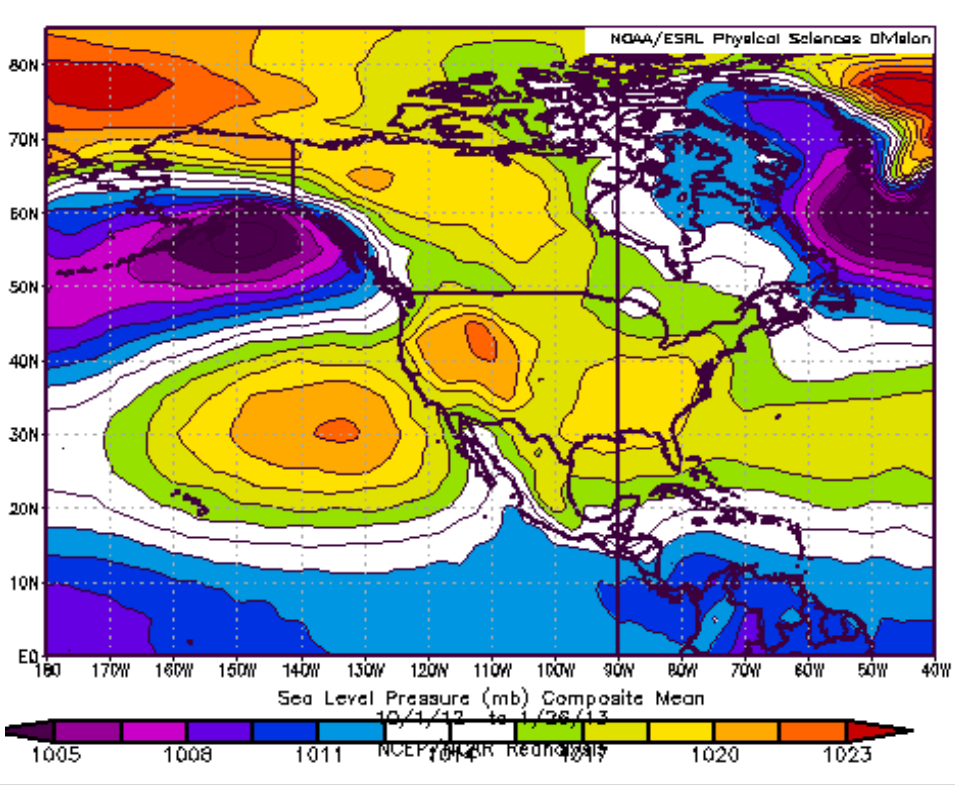


This Year

Last Year

Surface Lows and Highs





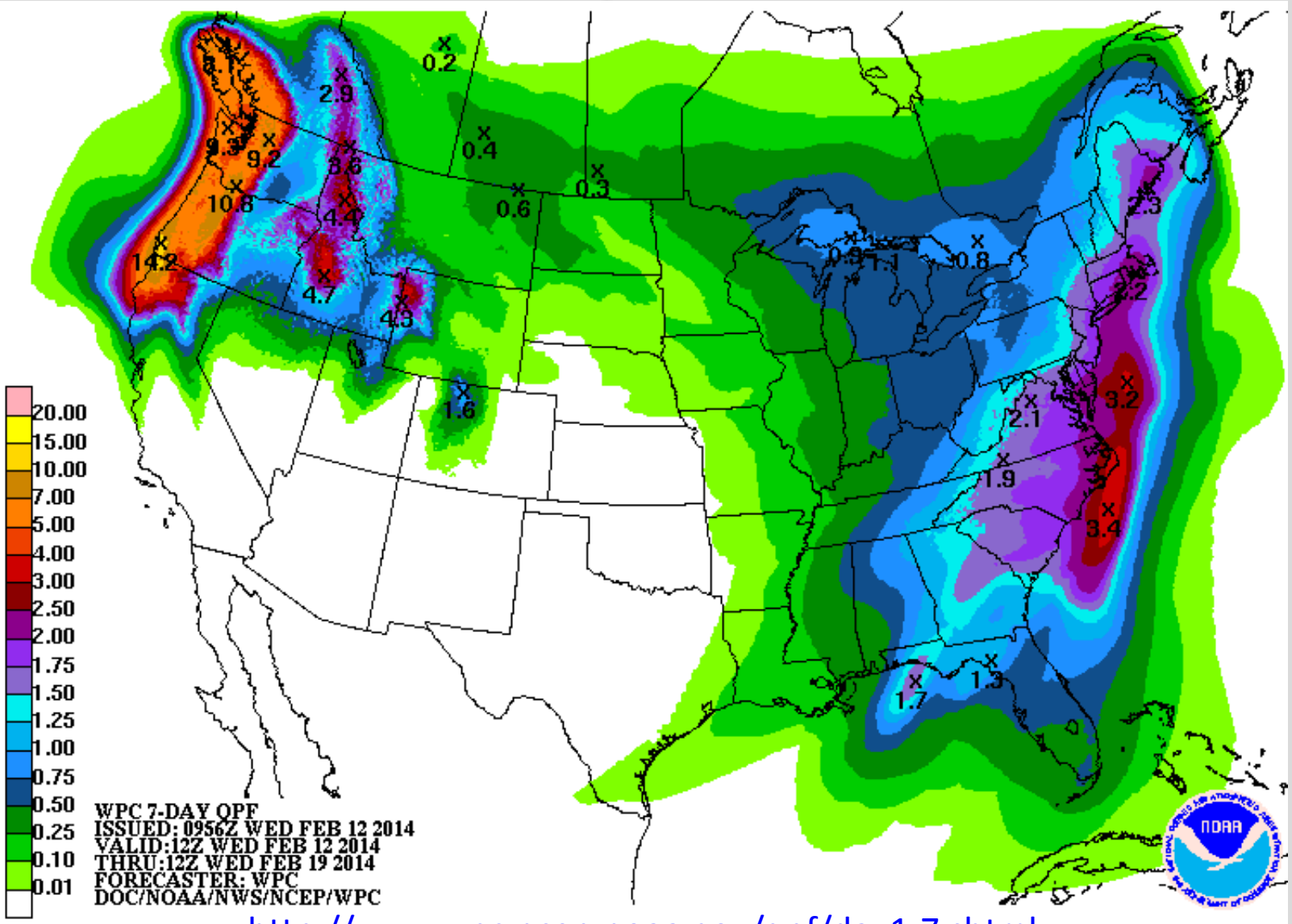
This Year

Last Year

And now for the Weather Forecasts

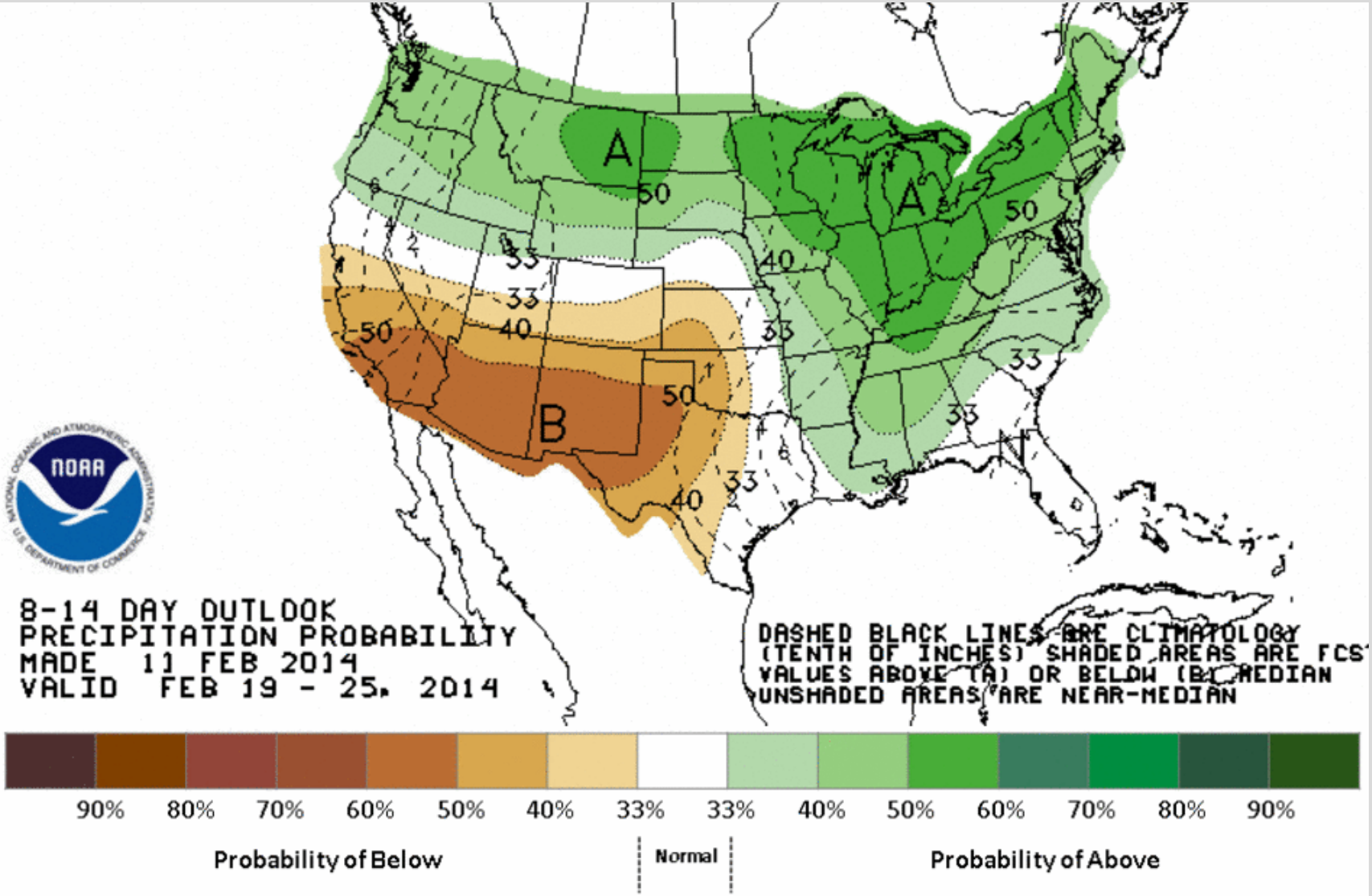
John Eise
National Weather Service Central Region
Climate Services Program Manager
john.eise@noaa.gov
(816) 268-3144

This Week Precipitation



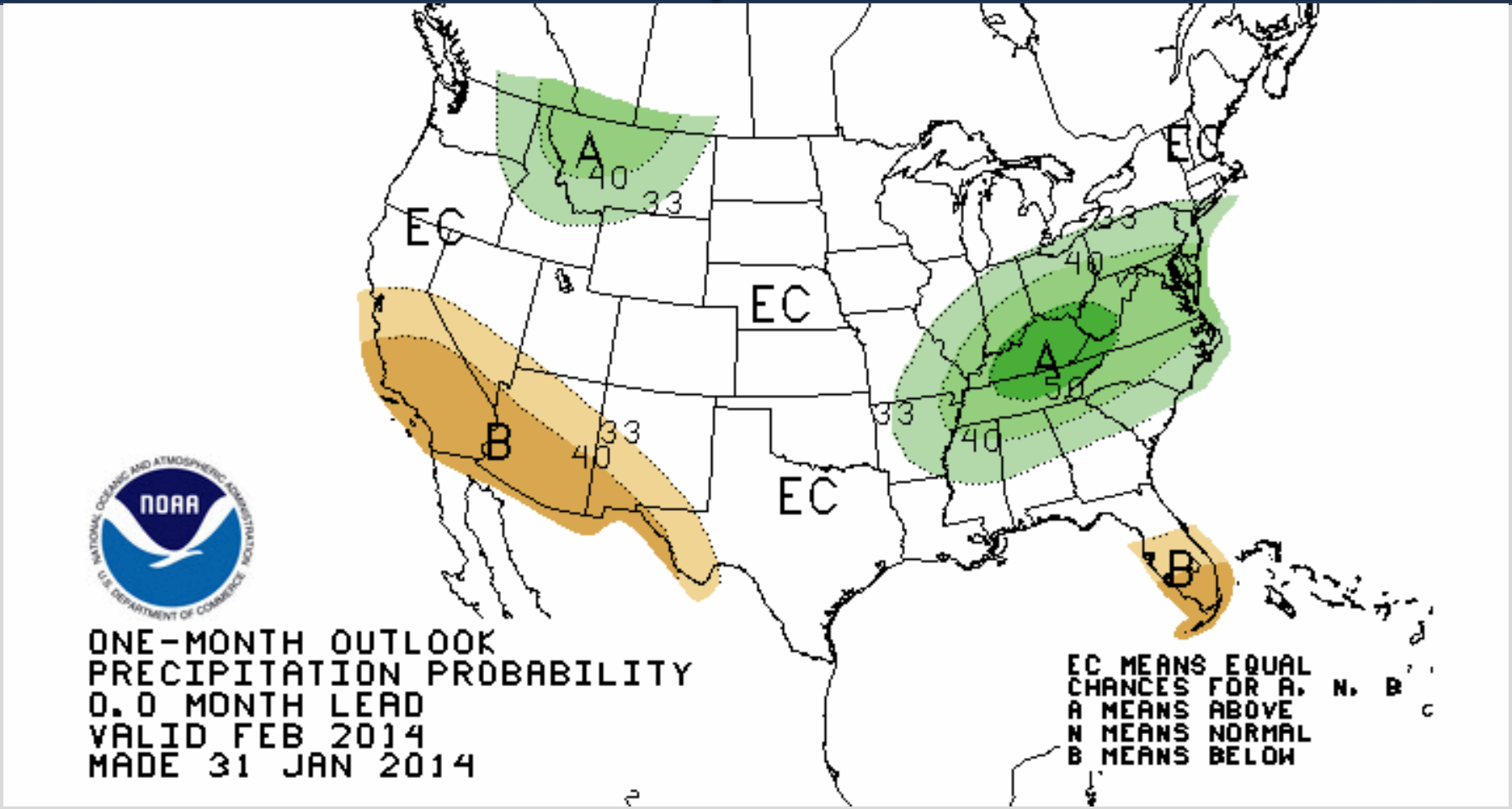
http://www.wpc.ncep.noaa.gov/qpf/day1-7.shtml

Next Week
Precipitation Probability



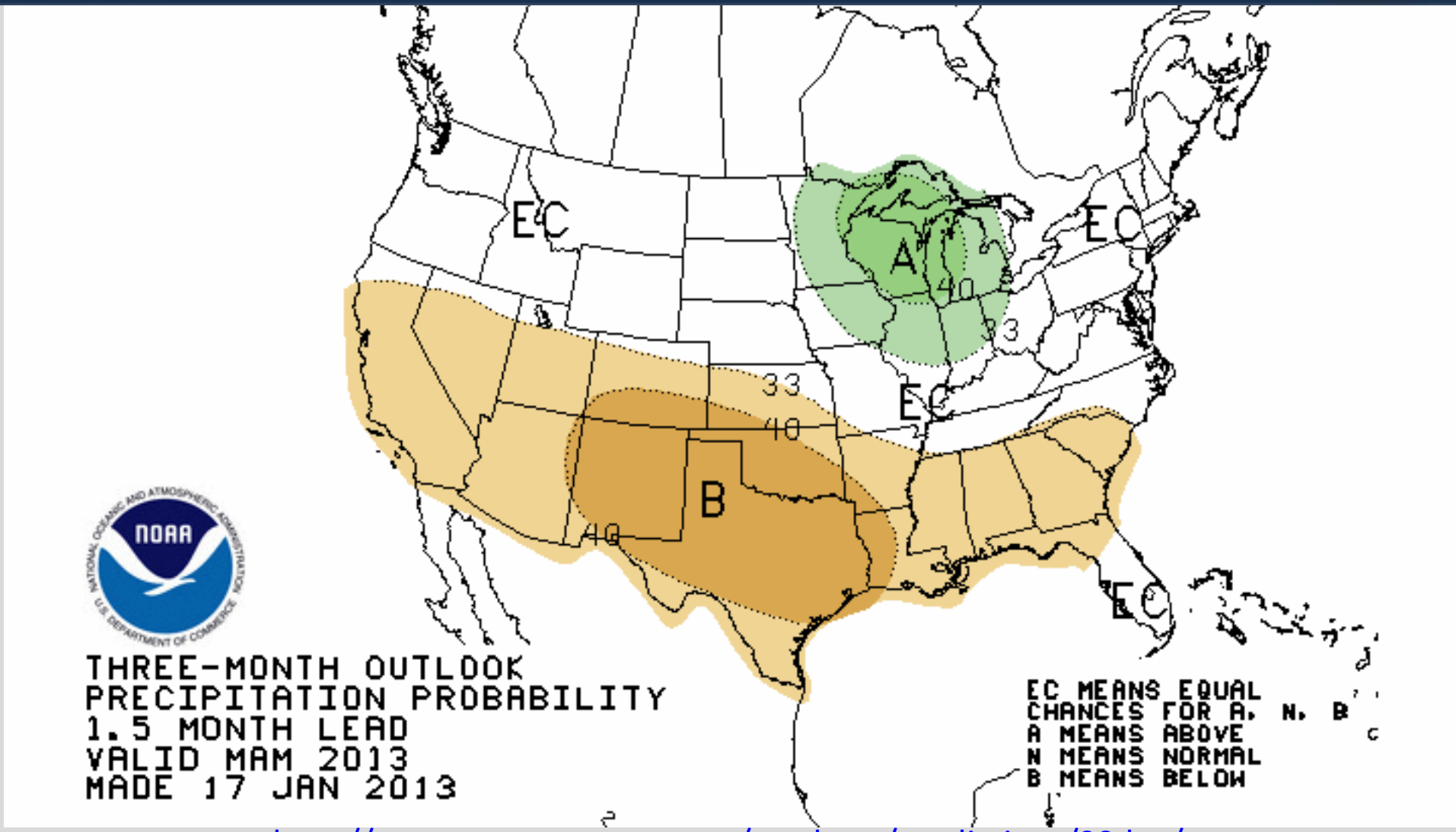
http://www.cpc.ncep.noaa.gov/products/predictions/814day/index.php

Rest of February Precipitation



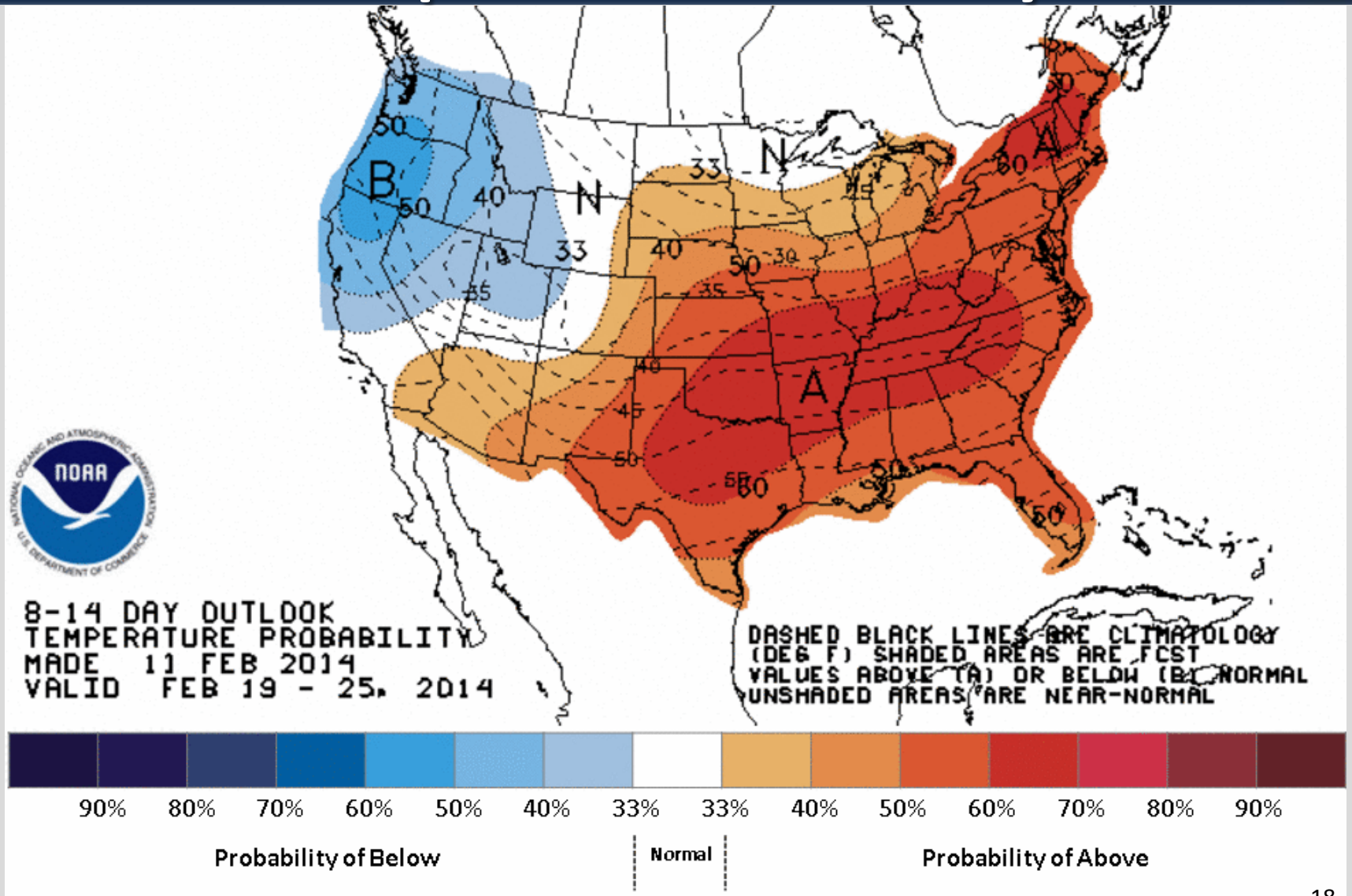
http://www.cpc.ncep.noaa.gov/products/predictions/30day/

March-May Precipitation Outlook



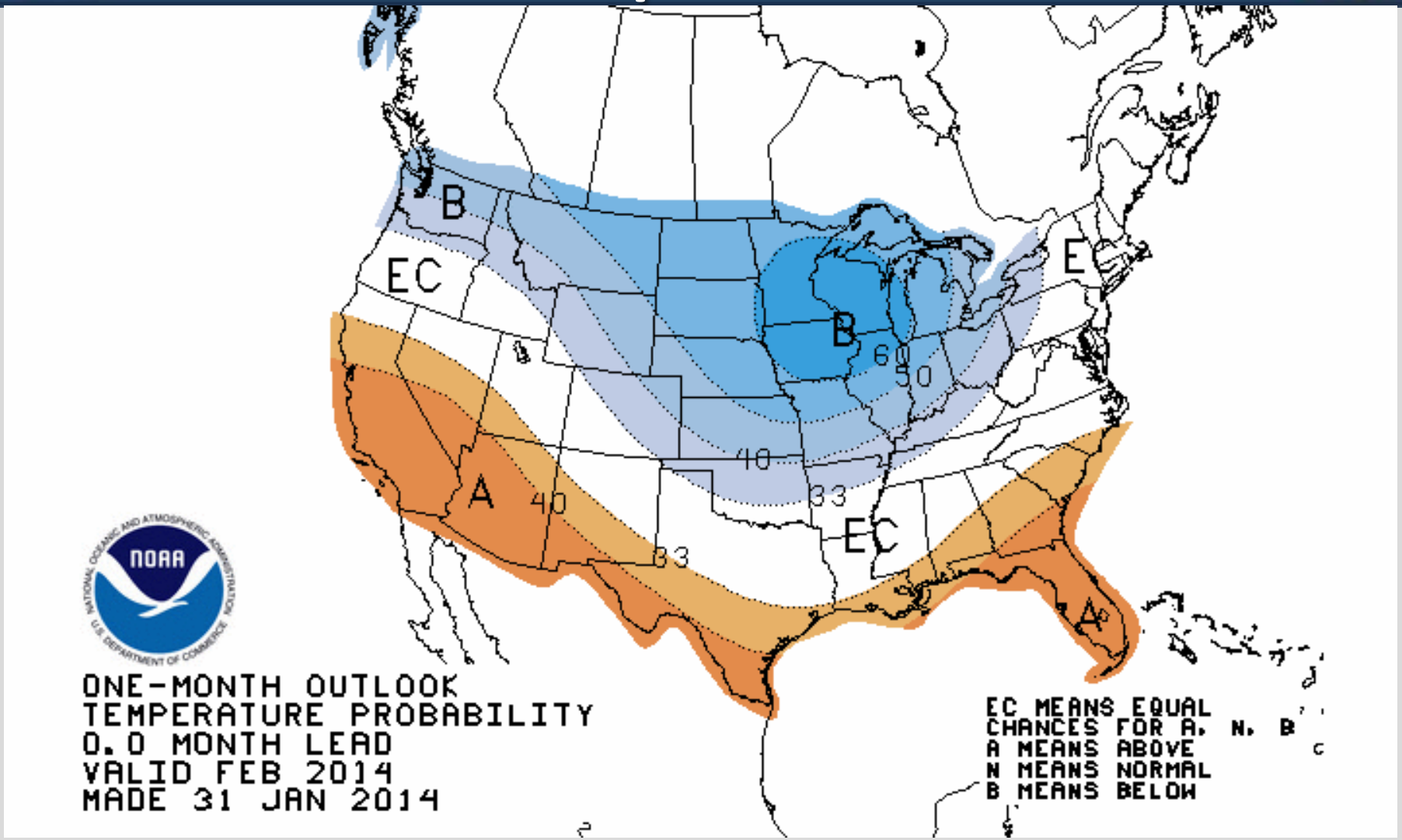
http://www.cpc.ncep.noaa.gov/products/predictions/90day/

Next Week
Temperature Probability



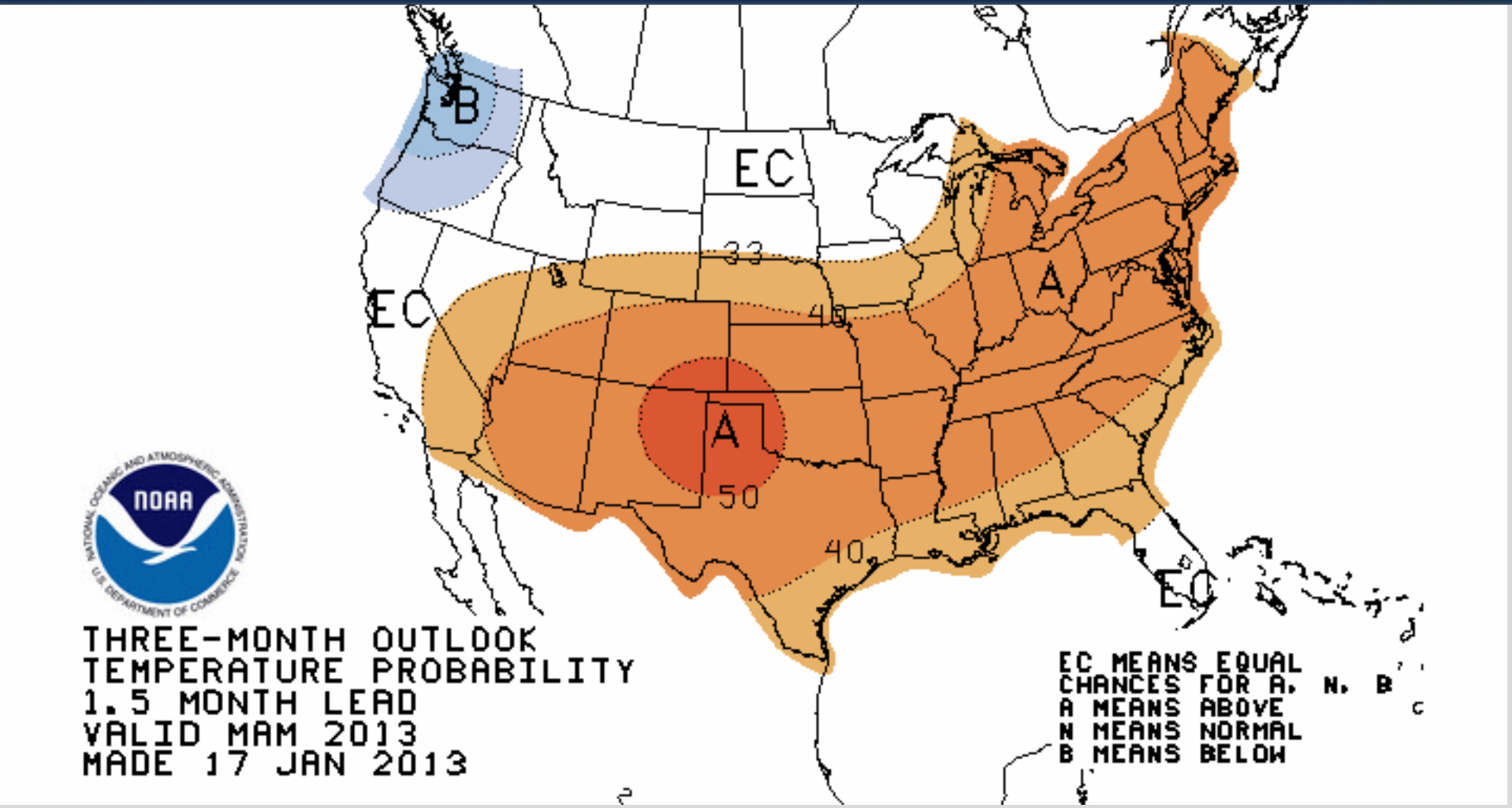
http://www.cpc.ncep.noaa.gov/products/predictions/814day/index.php

Rest of February Temperature



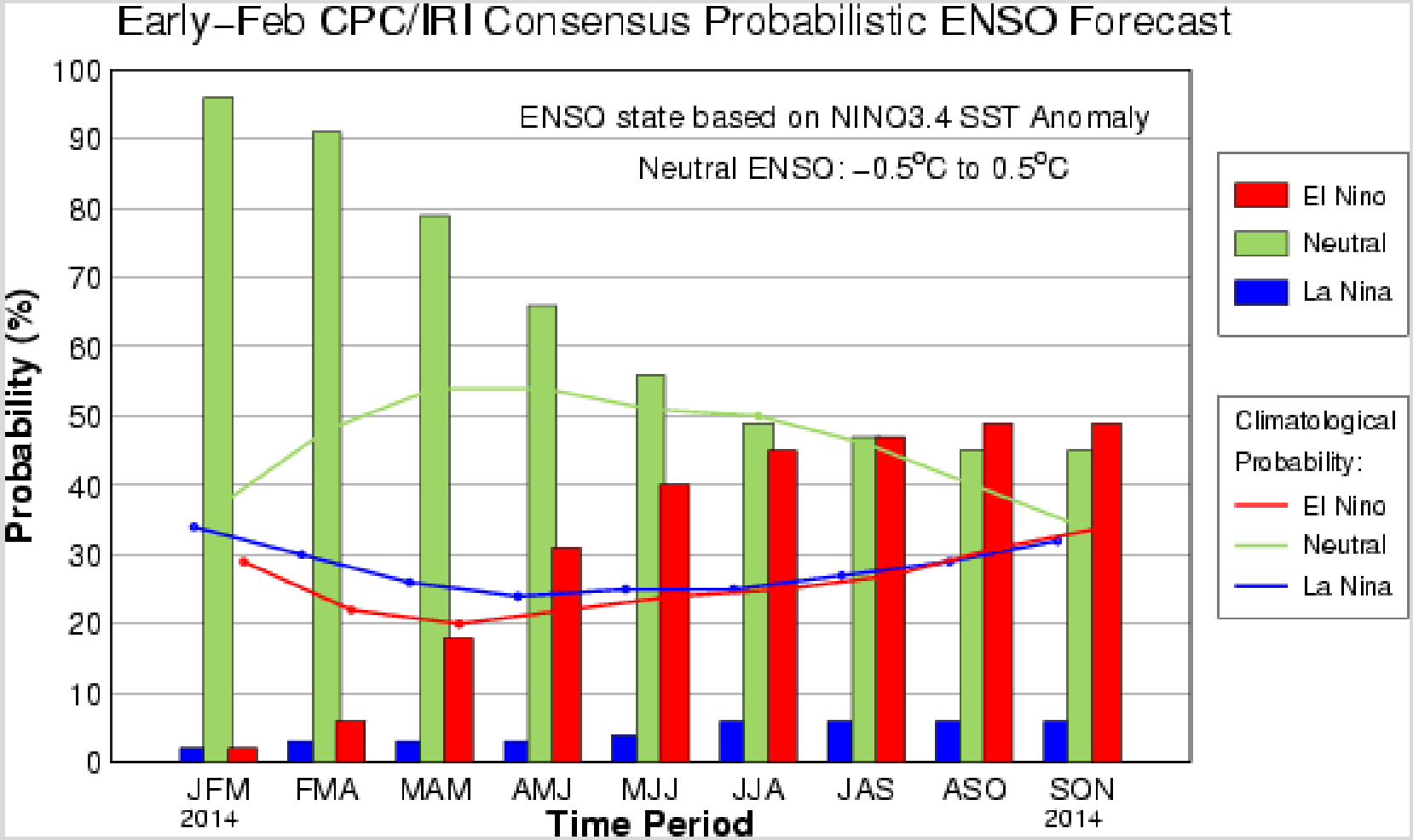
http://www.cpc.ncep.noaa.gov/products/predictions/30day/

March-May Temperature Outlook



http://www.cpc.ncep.noaa.gov/products/predictions/90day/

Chance of El Niño

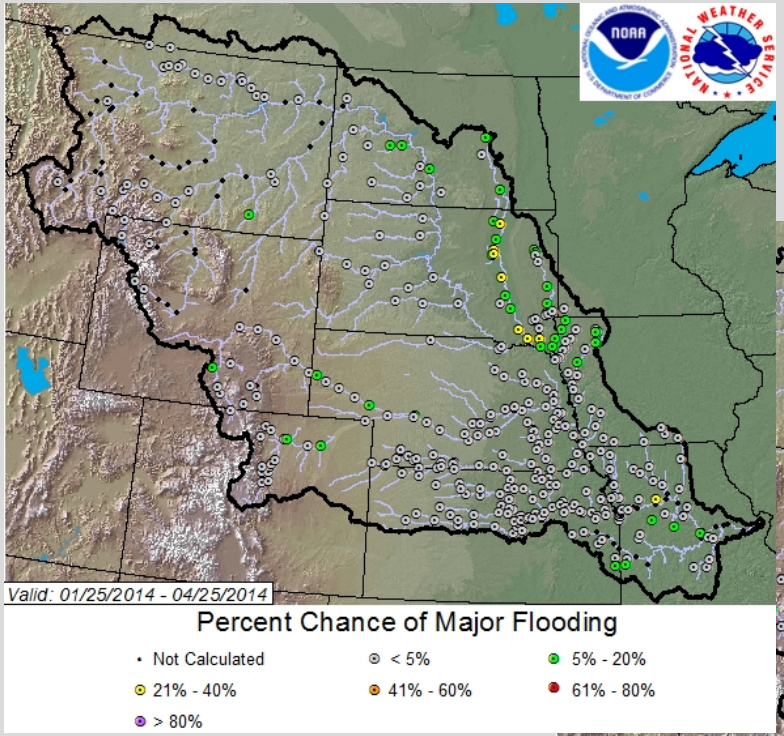


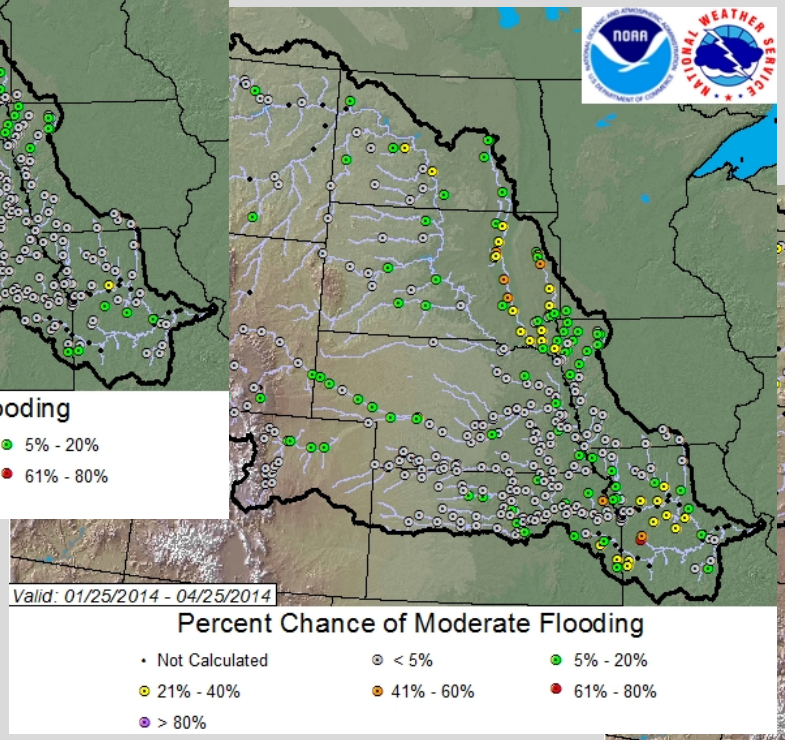
http://iri.columbia.edu/climate/ENSO/currentinfo/index.html

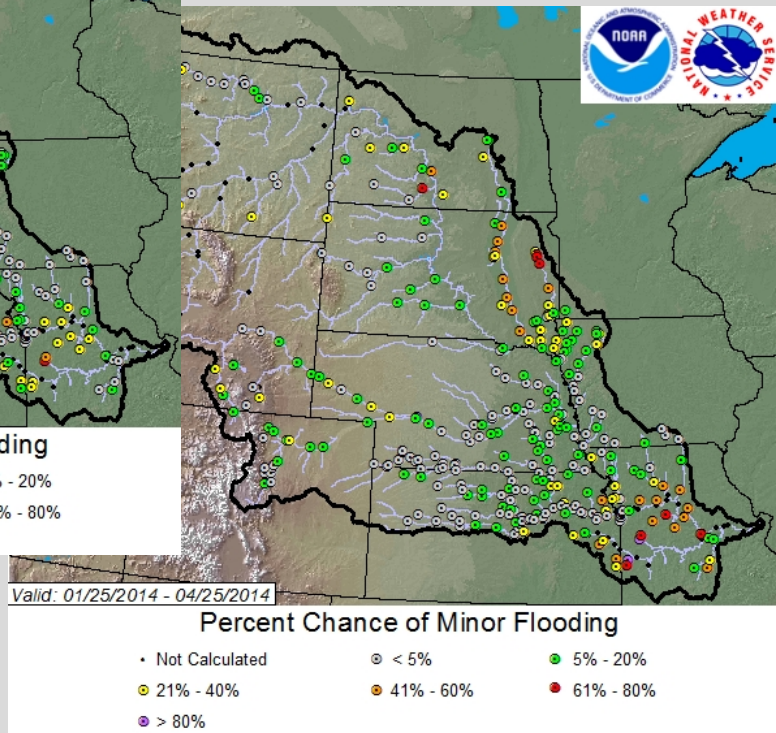
What does this mean for the Missouri River?

John Eise
National Weather Service Central Region
Climate Services Program Manager
john.eise@noaa.gov
(816) 268-3144

Chance of Flooding On the Missouri River







http://www.crh.noaa.gov/mbrfc/?n=new_outlook

Spring Flood Potential On the Missouri River

- Near average mountain runoff volume.
- Minor flooding in certain areas of the Dakotas and northern Iowa.
- Minor flooding in southern Iowa, eastern Kansas, and Missouri this Spring.

http://www.crh.noaa.gov/mbrfc/

Sources of Information

- River Forecasts http://water.weather.gov/ahps/
- Weather Forecasts http://www.weather.gov/
- Climate Outlooks www.cpc.ncep.noaa.gov
- Climate Data
  - ✓ NCDC http://www.ncdc.noaa.gov/cdo-web/
  - ✓ Regional Climate Centers
    - ✓ http://mrcc.isws.illinois.edu
    - ✓ http://www.hprcc.unl.edu
  - ✓ State climatologists http://www.stateclimate.org
- Climate Portal: www.climate.gov
- Drought Portal: www.drought.gov

Questions?

Contact

John Eise
Climate Services Program Manager
National Weather Service

john.eise@noaa.gov

(816) 268-3144

Latest Climate Updates
http://goo.gl/KvrLIq
or
https://sites.google.com/a/noaa.gov/nws-cr-ssd/home/climate/climate-monitoring