

NOAA Climate Science & Services

Monthly Climate Update

A look back at spring and Year-to-Date

A preview of July-September

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Climate Scientist

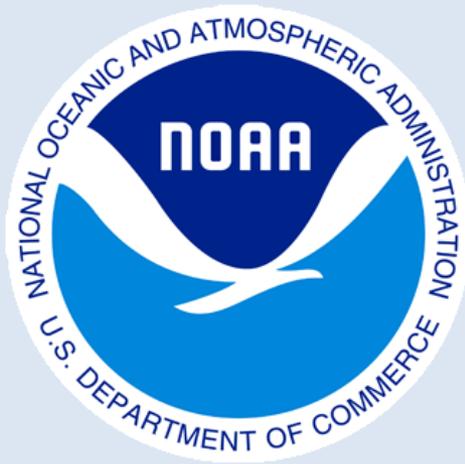
NOAA's National Climatic Data Center

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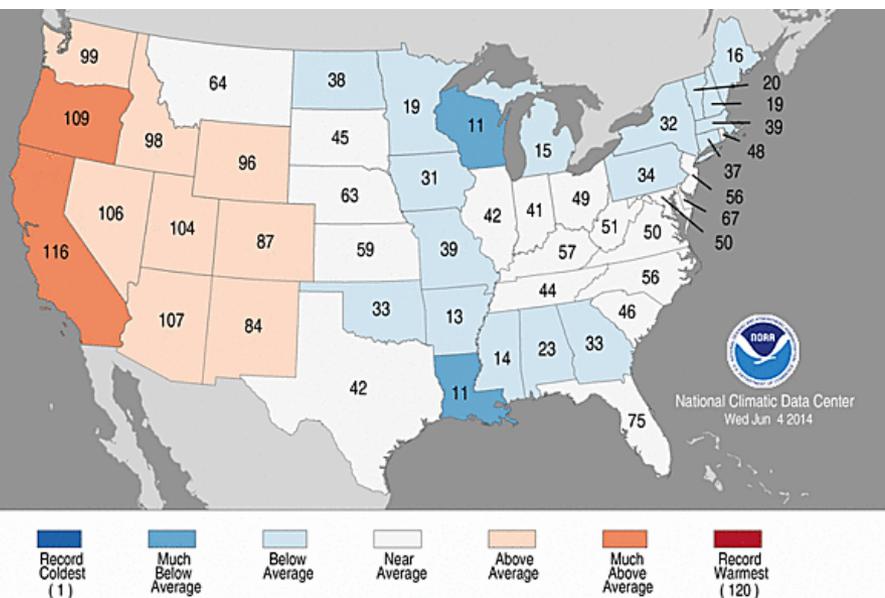
Meteorologist and Seasonal Forecaster
NOAA's Climate Prediction Center



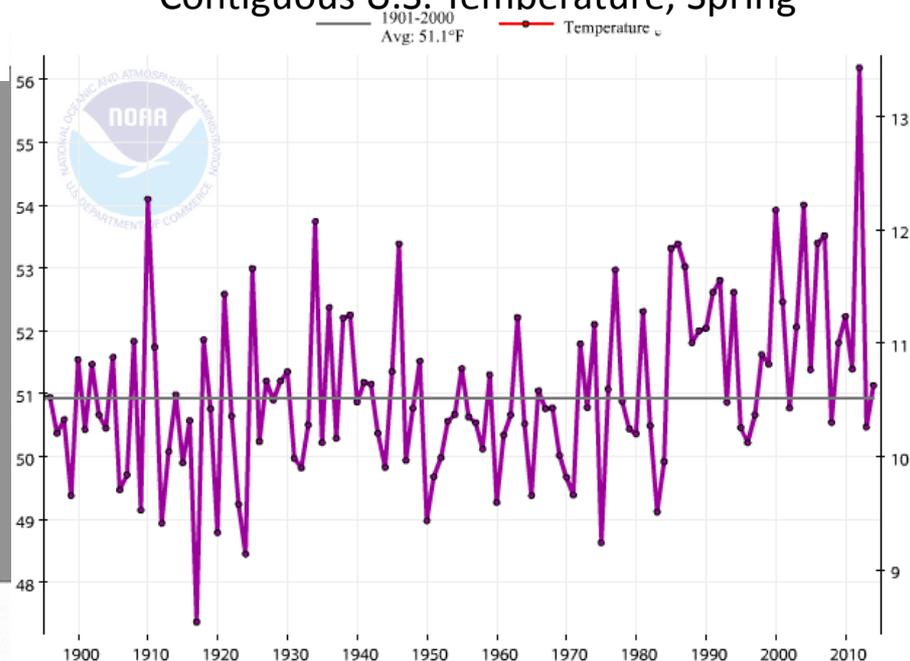
U.S. Temperature: Spring 2014

Temperature: 51.1°F, 0.2°F above 20th century average
West was warmer than average; parts of the East cool

Statewide Temperature Ranks Spring 2014
Period: 1895-2014



Contiguous U.S. Temperature, Spring

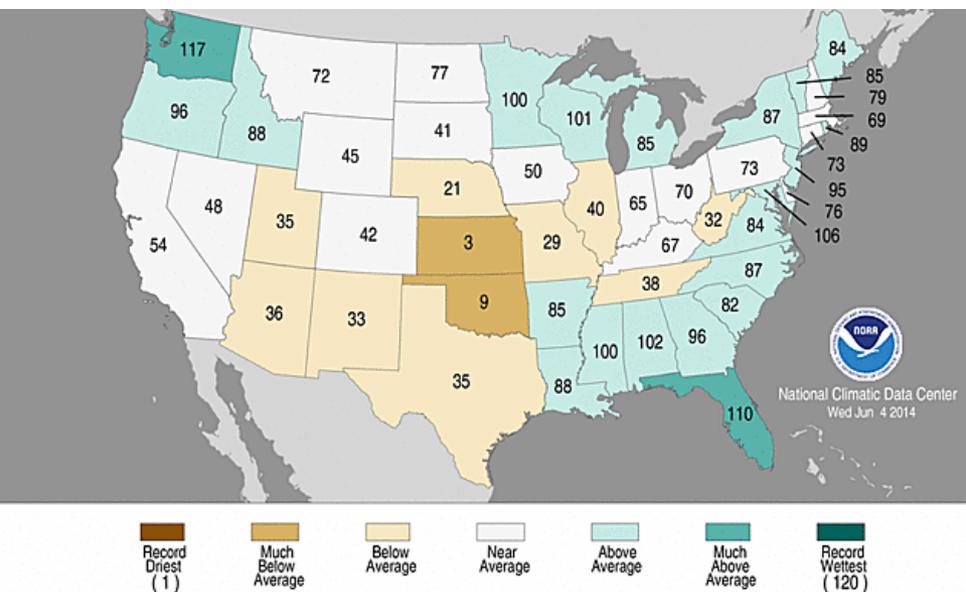


- Much of the West was warmer than average. CA tied its 5th warmest spring on record.
- Parts of the East were cooler than average; LA and WI had their 11th coolest spring on record.
- Contiguous U.S. had near-average snow cover extent during spring.

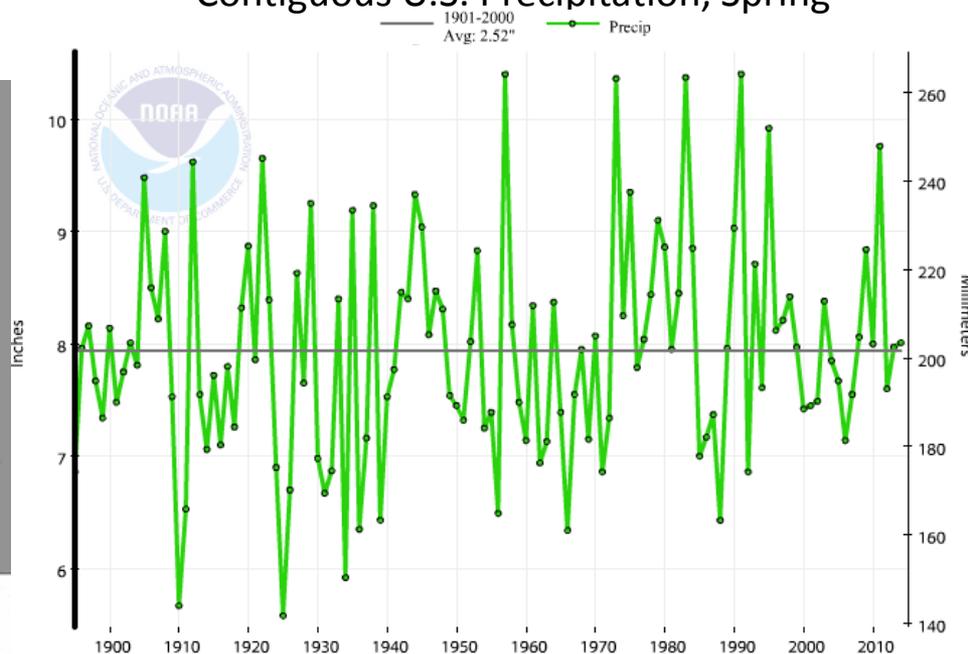
U.S. Precipitation: Spring 2014

Precipitation: 8.01", 0.07" above 20th century average
 Central and Southern Plains Dry; Northwest and East Coast wet

Statewide Precipitation Ranks Spring 2014
 Period: 1895-2014



Contiguous U.S. Precipitation, Spring



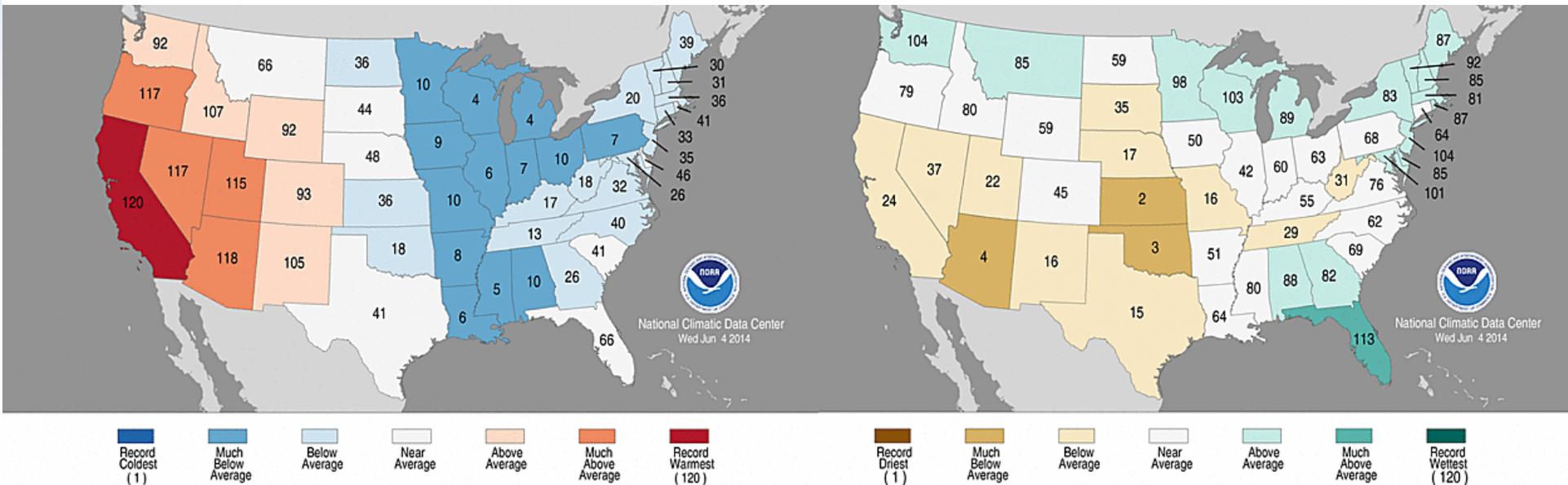
- WA had its fourth wettest spring. Drought conditions improve across parts of Midwest.
 - FL had its 11th wettest spring, largely driven by the rain event in late April.
- KS has its 3rd driest spring and OK had its 9th driest.

Year-to-Date Temperature and Precipitation

Temperature: 0.1°F below average – coldest start to year since 1996.
 Precipitation: 0.77” below average – 34th driest Jan-May on record.

Statewide Temperature Ranks Jan-May 2014
 Period: 1895-2014

Statewide Precipitation Ranks Jan-May 2014
 Period: 1895-2014



- Warm in the West – CA record warm. AZ, NV, OR, UT were top 10 warm.
- Cool in the East – 13 states had a top 10 cold start to the year.

- Dry in the much of the Plains and Southwest – 3 states top 10 dry. KS had 2nd driest Jan-May.
- Wet in the Northwest, Upper Midwest, parts of Northeast and Southeast. FL 8th wettest.

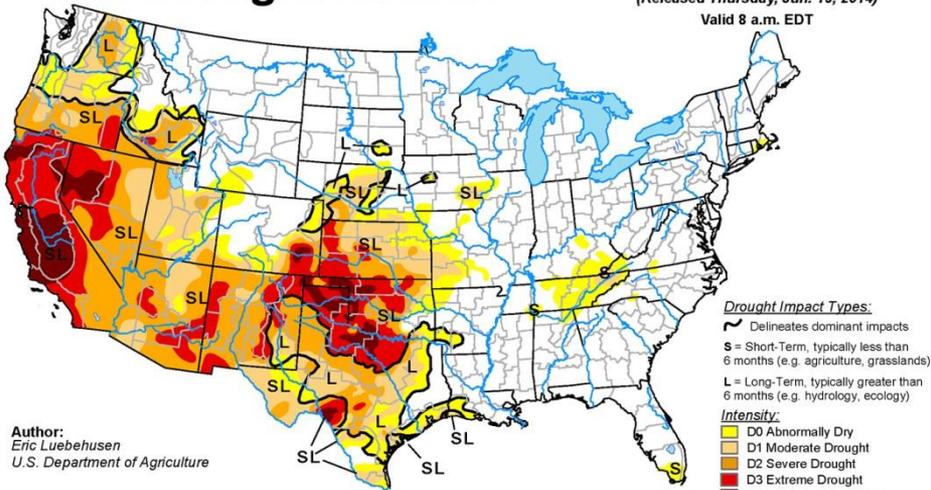
May 2014 US Drought

35.6% of CONUS in Drought

- Spotty precipitation led to short-term drought improvement in parts of the Central and Southern Plains and worsening in others. Long-term drought conditions persist.
- Wet season is over in CA, with little hope of exiting drought in the next few months.

U.S. Drought Monitor

June 17, 2014
(Released Thursday, Jun. 19, 2014)
Valid 8 a.m. EDT



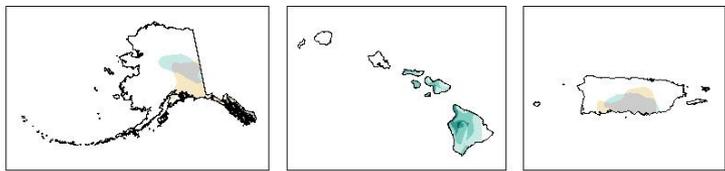
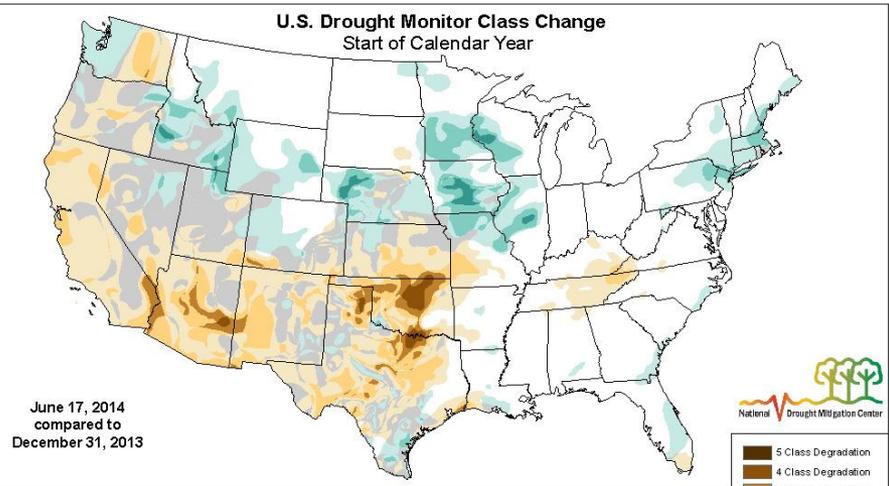
Author:
Eric Luebbehusen
U.S. Department of Agriculture

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor Class Change Start of Calendar Year



<http://droughtmonitor.unl.edu>

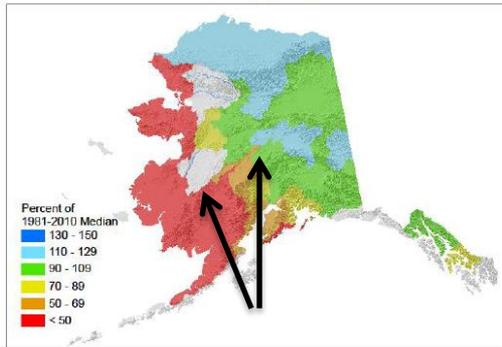


June 2014

Monthly Climate Webinar

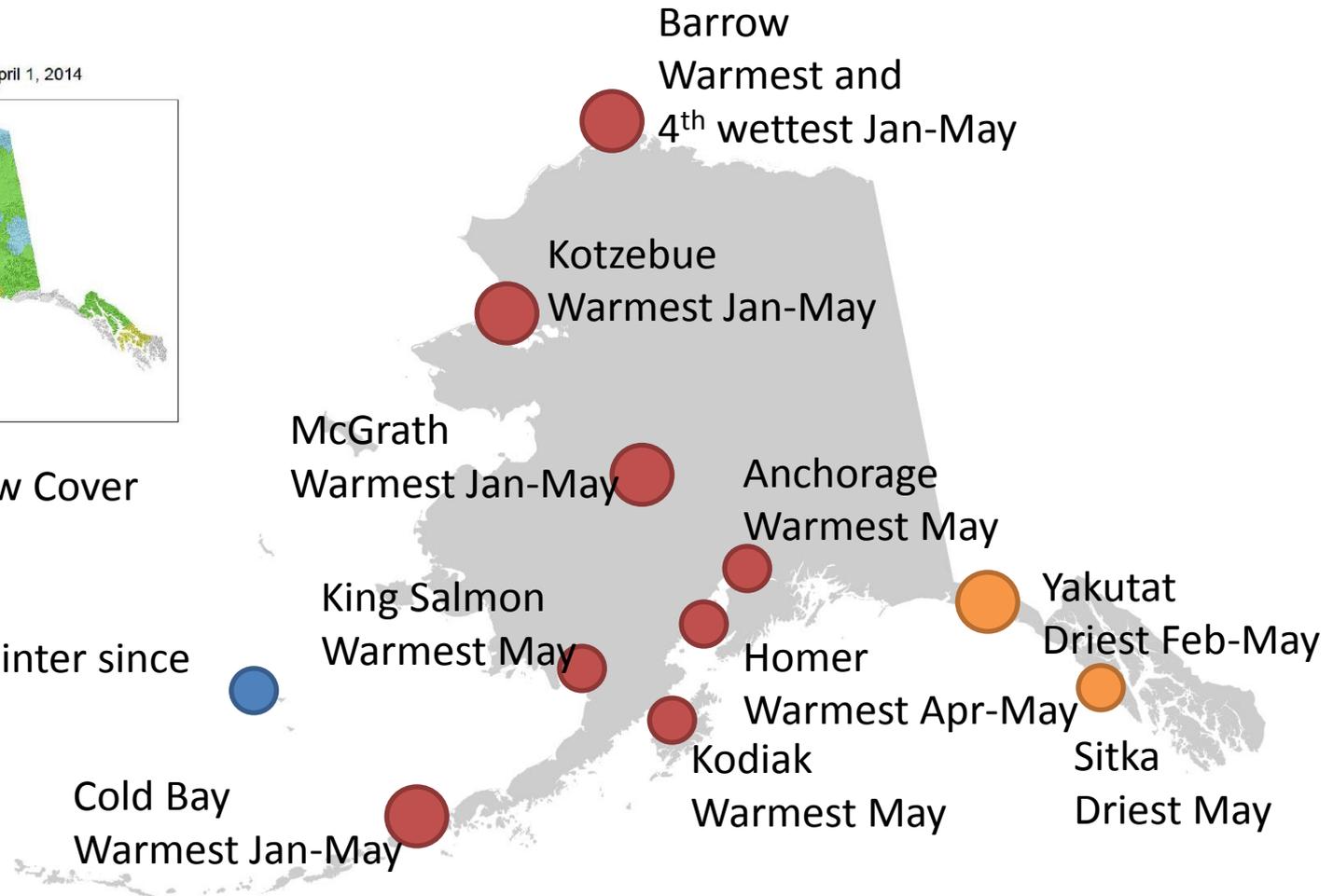
Jan-May 2014 Alaska Climate Highlights

Alaska Snowpack as of April 1, 2014
Based on Snow Water Content

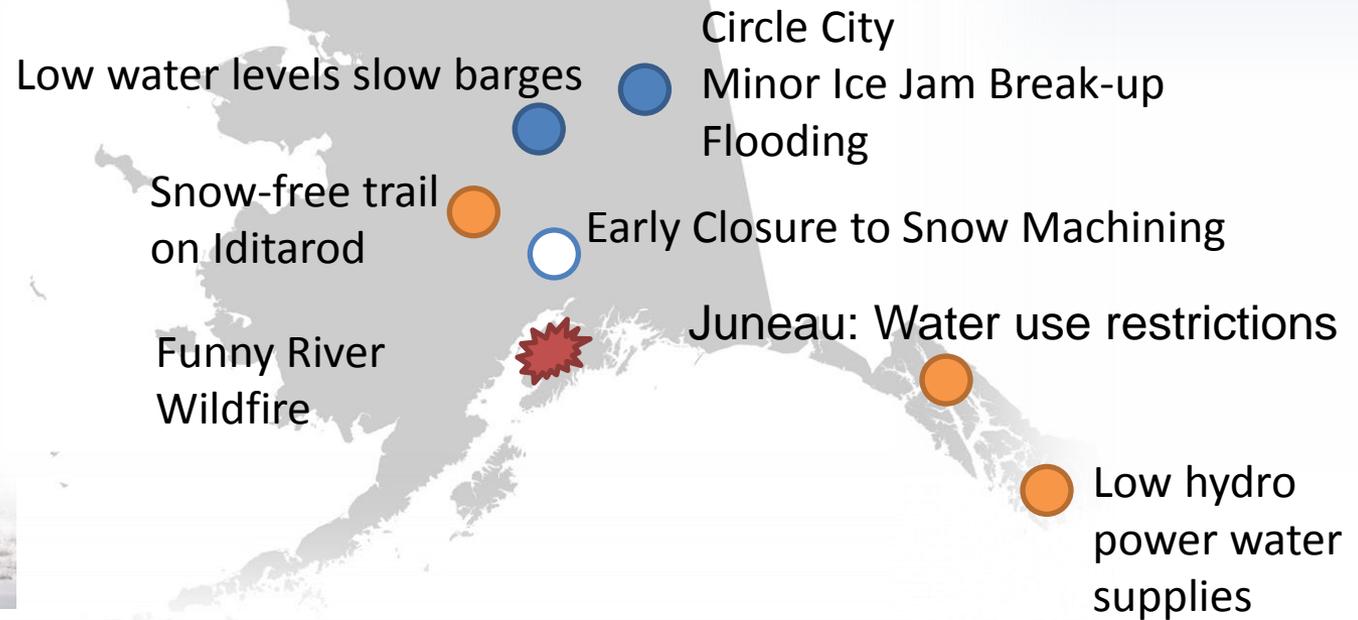


Low Snow Cover

St. Paul Island
1st Sea Ice free winter since
2005



Jan-May 2014 Alaska Climate Impacts



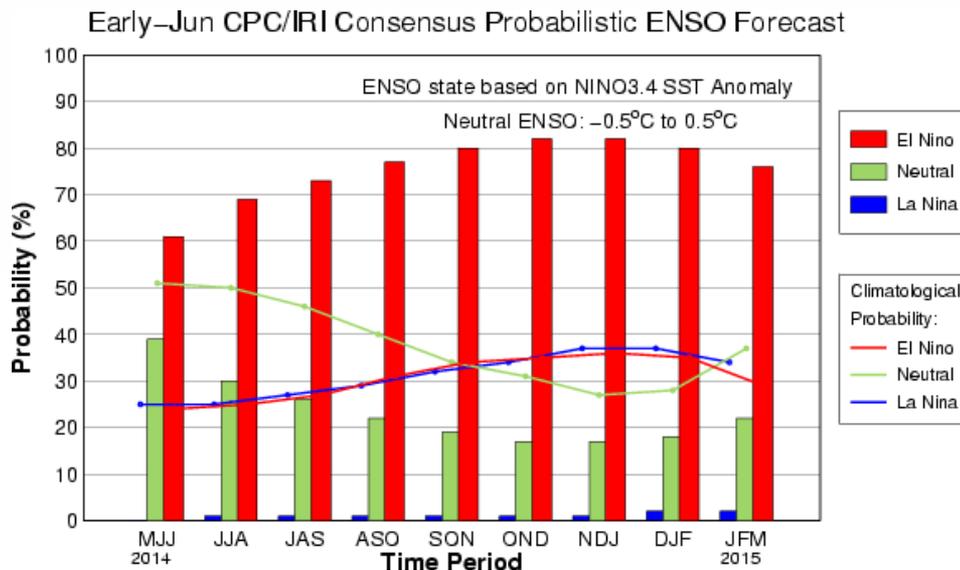
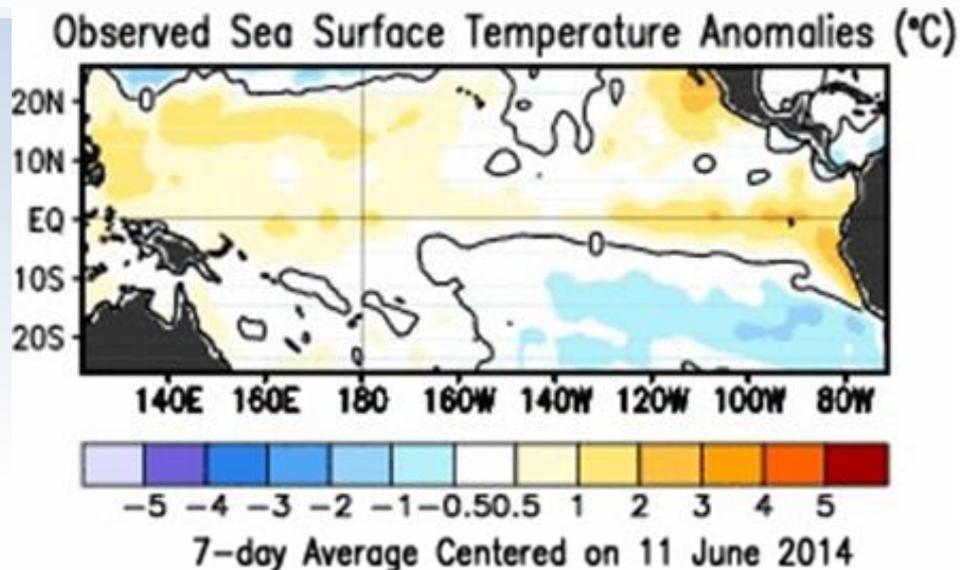
Funny River Wildfire

- May 19th start near Soldotna, mostly burned on Kenai NWR
- Largest Kenai Peninsula wildfire since 1947
- Worst smoke in Anchorage since 2005
- Dense smoke to Interior, 300 miles away



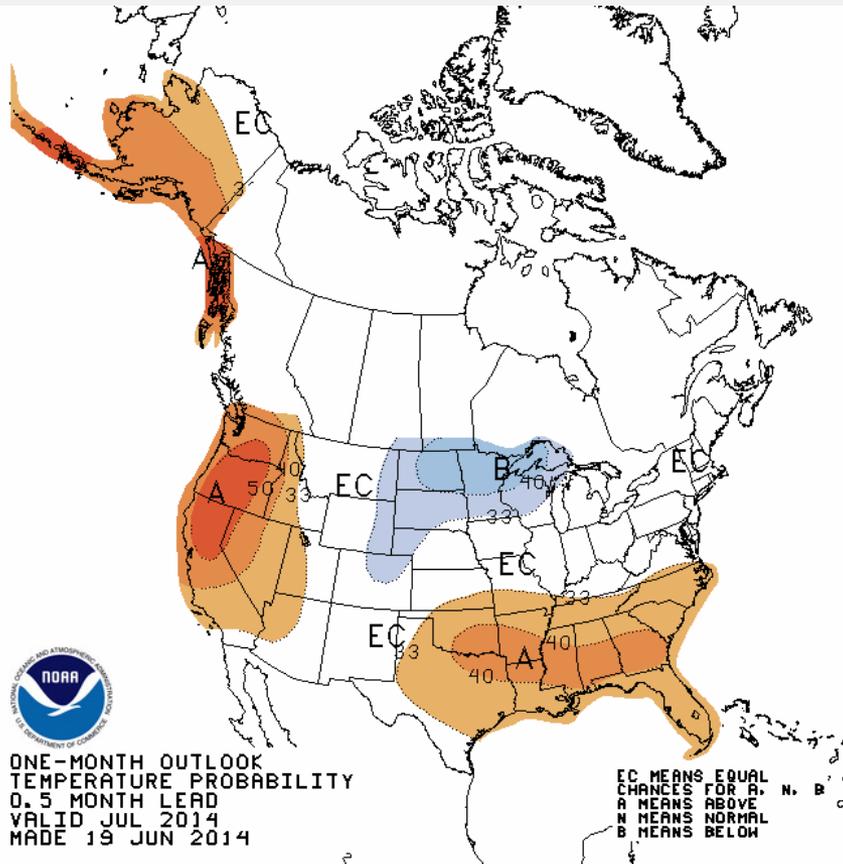
Current El Niño Forecast Information

- Sea surface temperatures are currently above normal across the entire equatorial Pacific.
- Atmospheric indicators, however, are not as reflective of developing El Niño conditions.
- El Niño conditions are expected to develop during the summer and persist into winter.

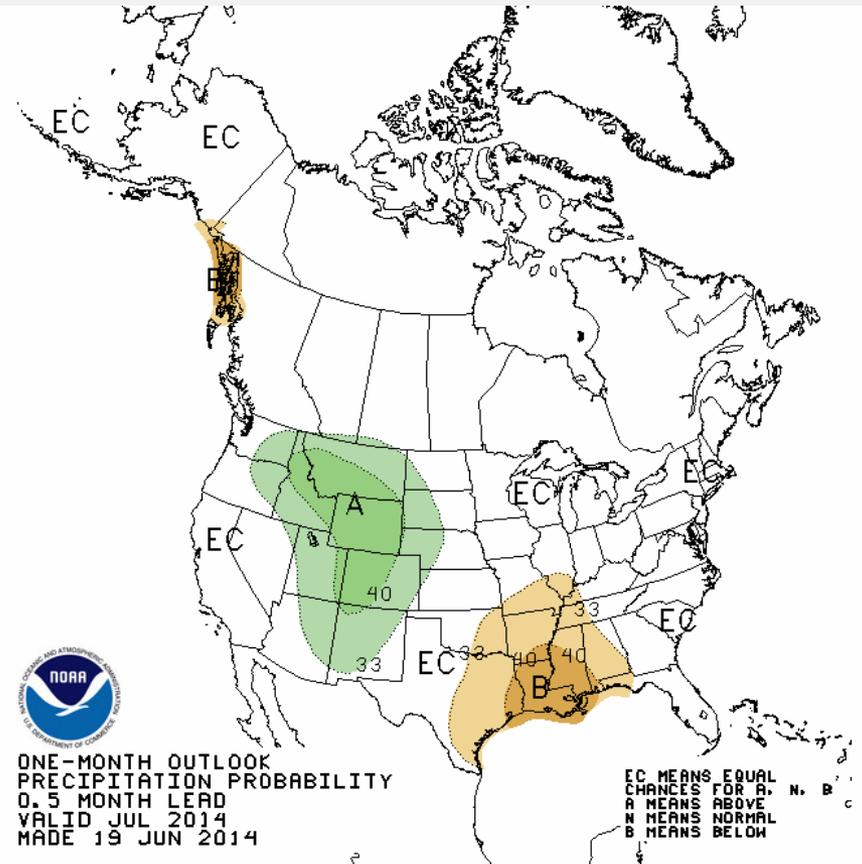


Monthly Forecast (July)

July Average Temperature Probability

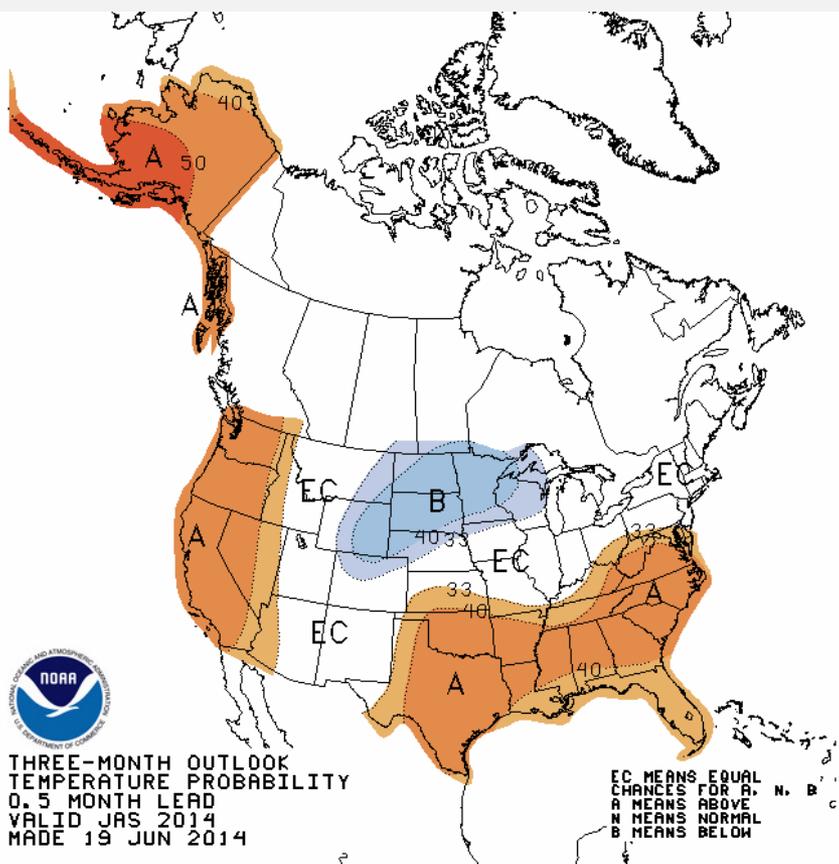


July Total Precipitation Probability

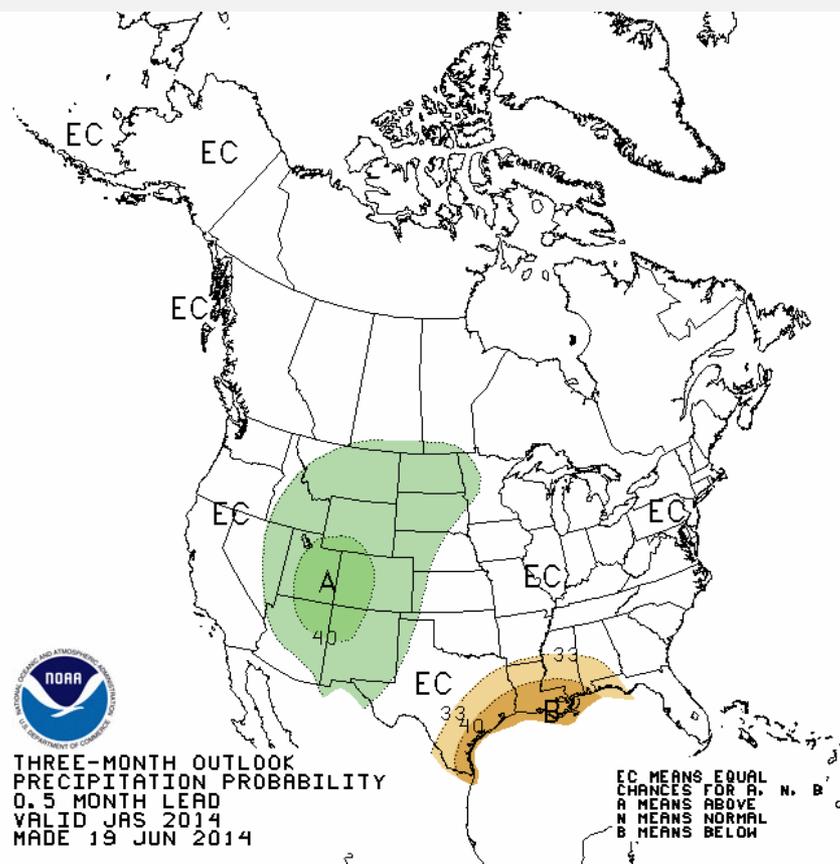


Seasonal Forecast (July-August-Sept)

July-August-September Average Temperature Probability

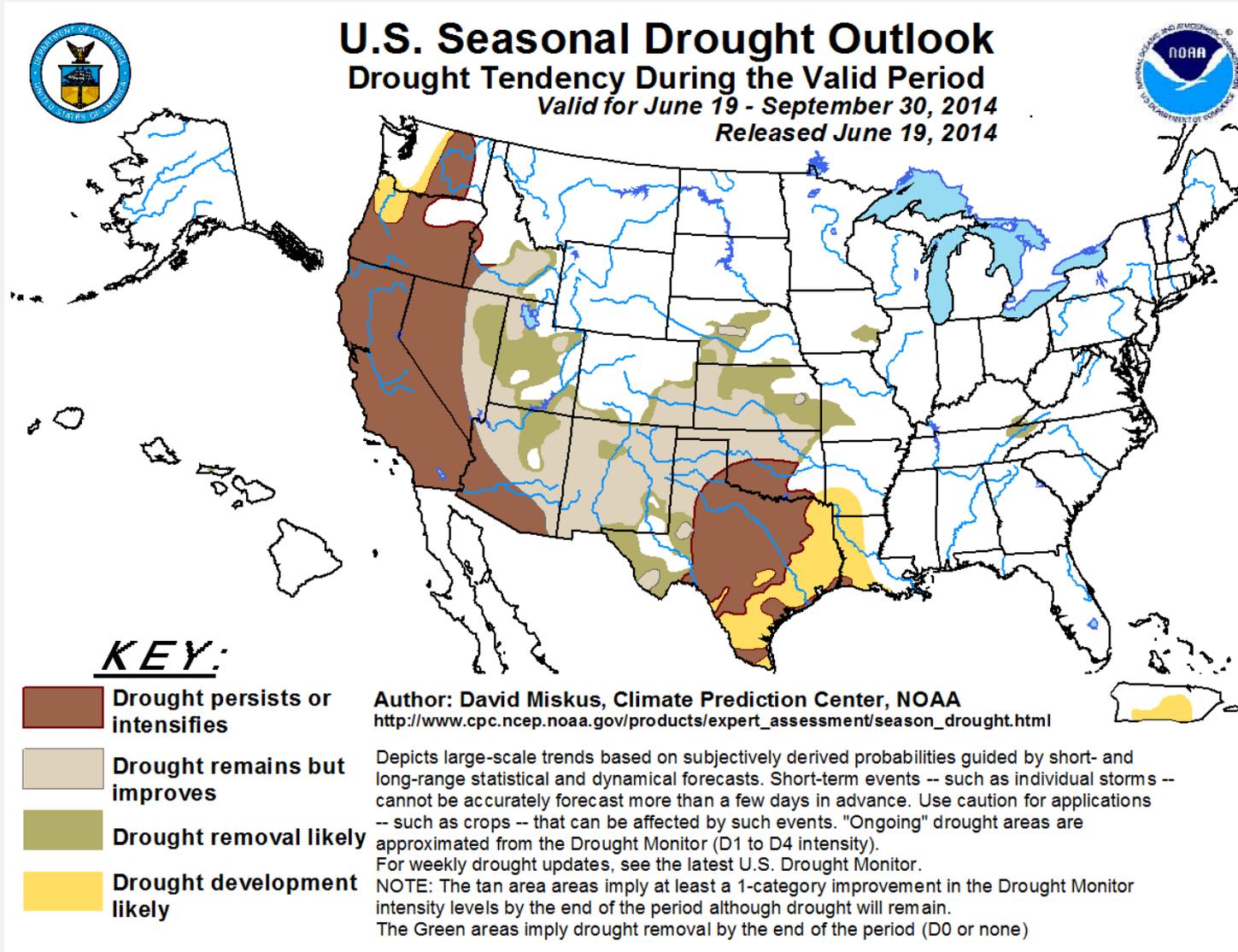


July-August-September Total Precipitation Probability

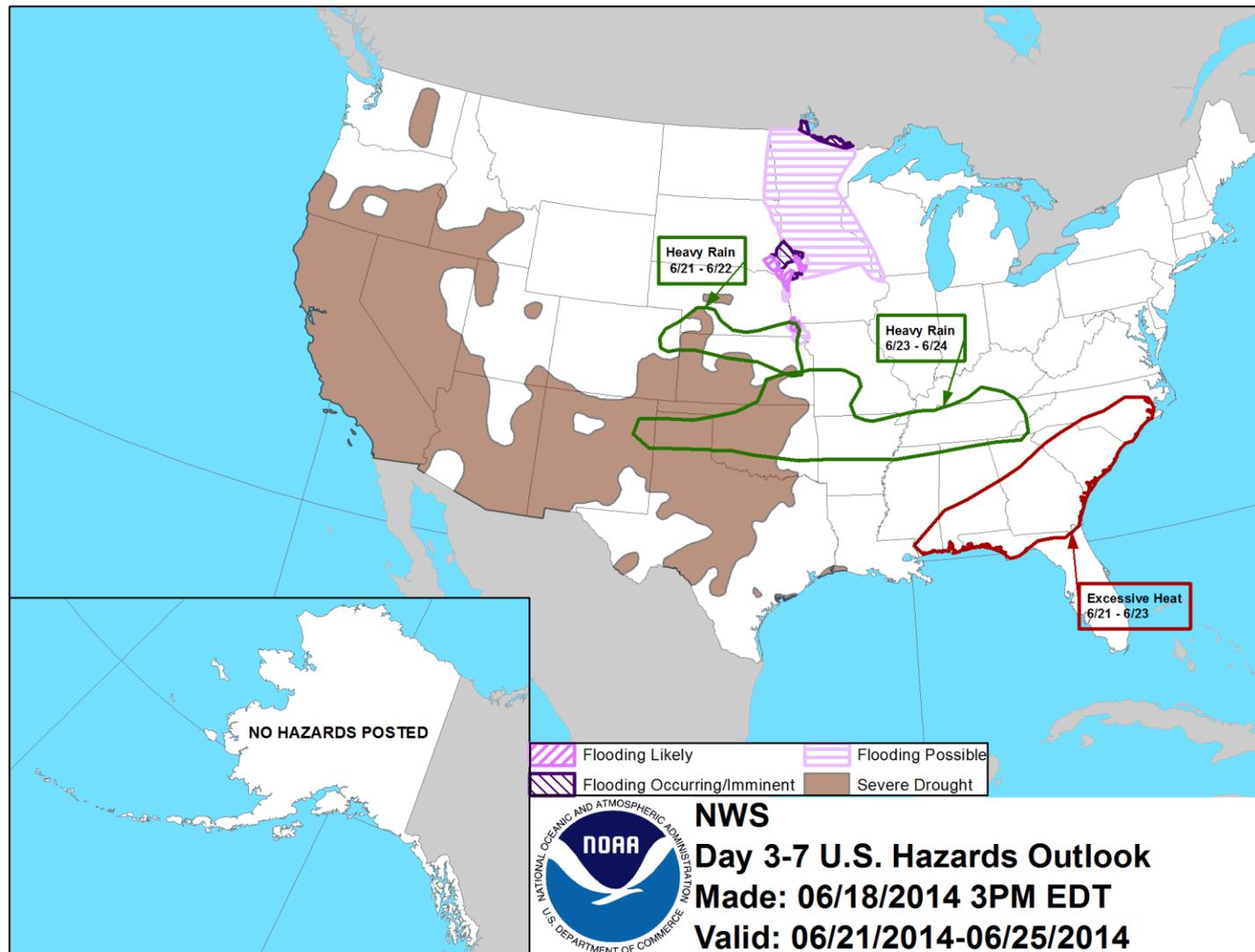


U.S. Drought Outlook

3-month forecast



U.S. Hazards Outlook (3-7 Days)



For More Information



TODAY'S PRESENTATION:

- <http://www.ncdc.noaa.gov/sotc/briefings>

NOAA's National Climatic Data Center: www.ncdc.noaa.gov

- Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- Dates for upcoming reports: <http://www.ncdc.noaa.gov/monitoring-references/dyk/monthly-releases>

NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov

Alaska Center for Climate Assessment and Policy (a NOAA RISA) - <https://accap.uaf.edu/>

U.S. Drought Monitor: <http://drought.gov>

Climate Portal: www.climate.gov

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