

Natural Resources Conservation Service

Idaho Water Supply Outlook Report

January 1, 2015



North Side Canal & Energy Companies Annual Stockholder Meeting

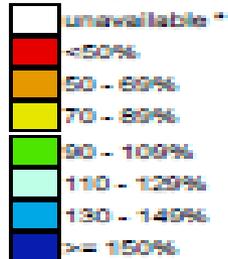
**January 14,
2015
Jerome,
Idaho**

An avalanche on Sunday December 21st shows the unstable conditions created by the mid-December storm events. This December 19 – 22 series of storms deposited 4.3 inches of snow water equivalent at Mores Creek SNOTEL site, elevation 6,100 feet, near Idaho City. The automated snow depth sensor increased from 21 inches to 47 inches during this period. For the six day period December 19 – 25, the site increase by 5.7 inches of snow water with over 30 inches of snowfall. Heavy snow loading during this period increased avalanche danger across much of southern Idaho because of the large amount of snowfall received in such a short time

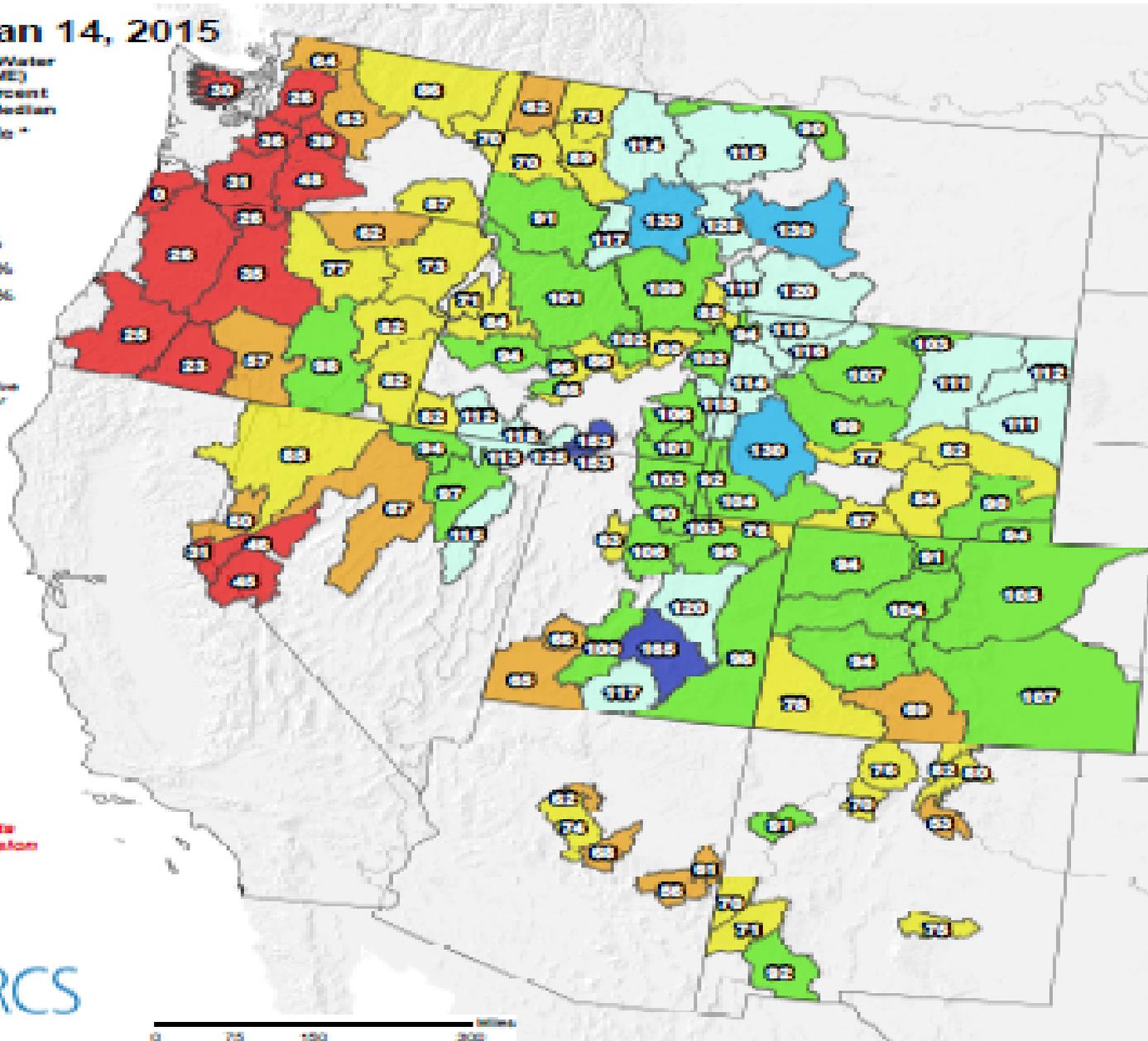
Westwide SNOTEL Current Snow Water Equivalent (SWE) % of Normal

Jan 14, 2015

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median



* Data unavailable at time of posting or measurement is not representative at this time of year



Provisional data subject to revision



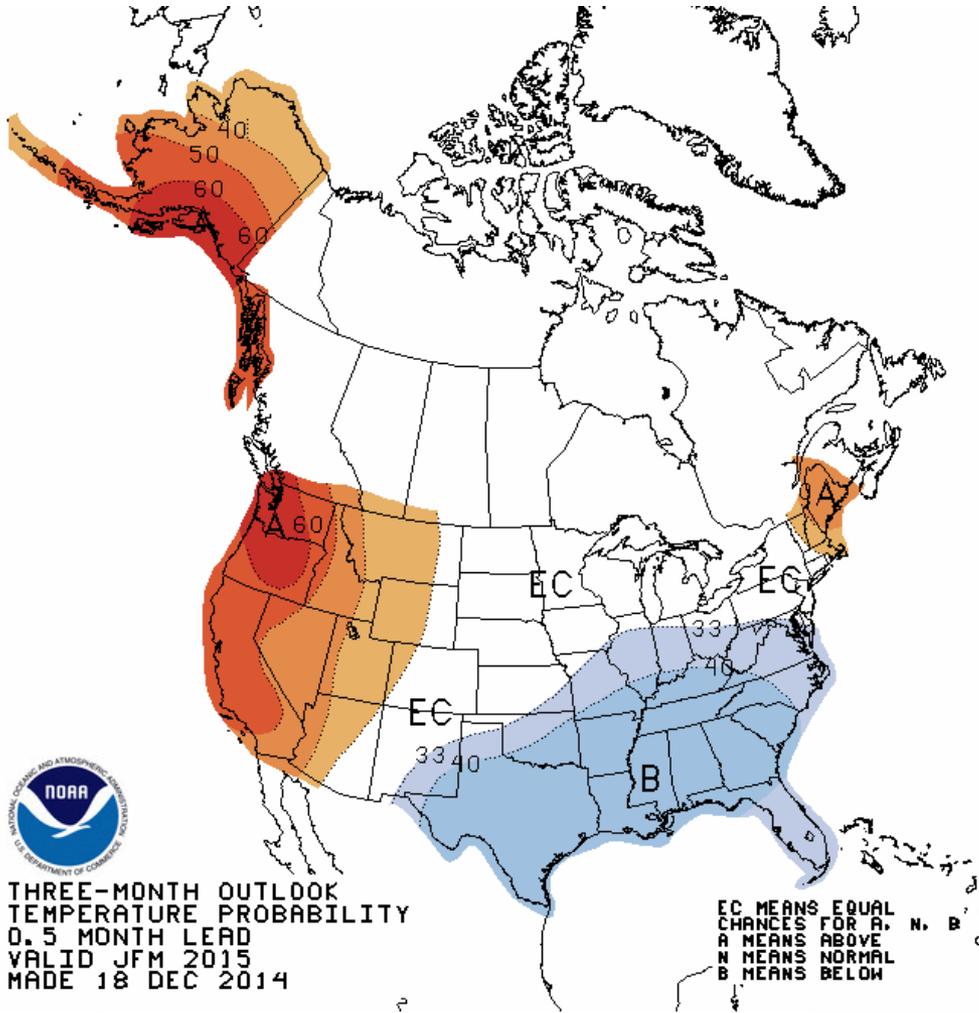
The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

Three-Month Outlooks

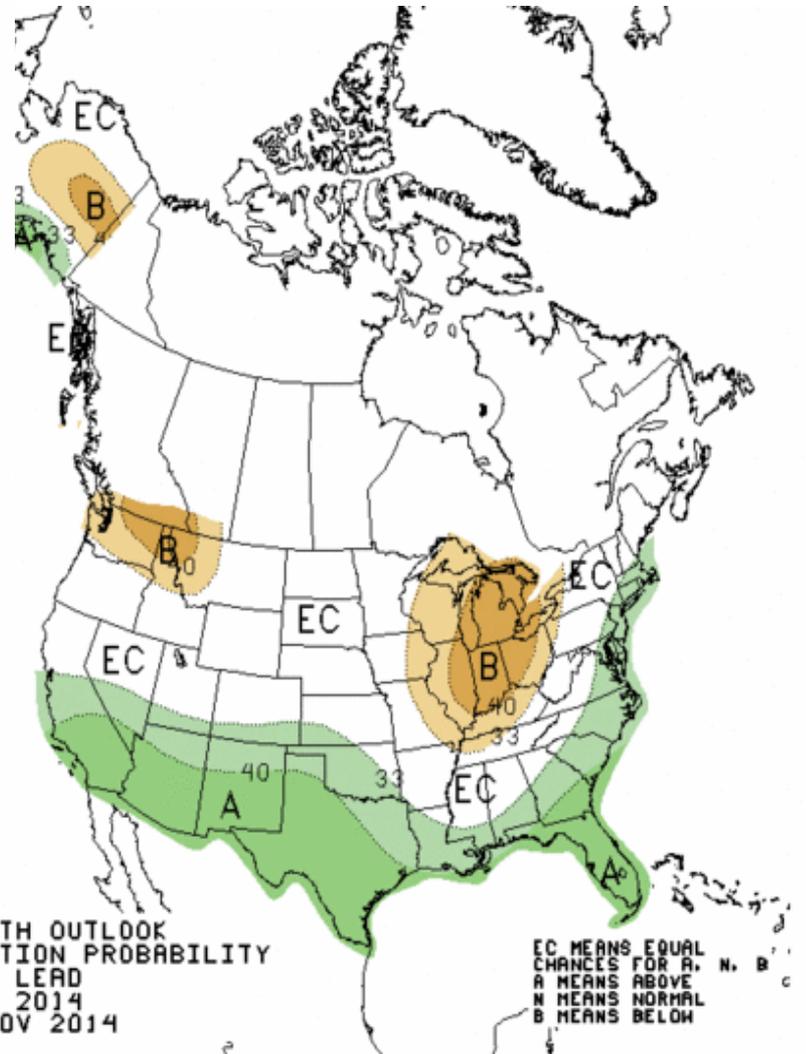
OFFICIAL Forecasts

Jan-Feb-Mar 2015



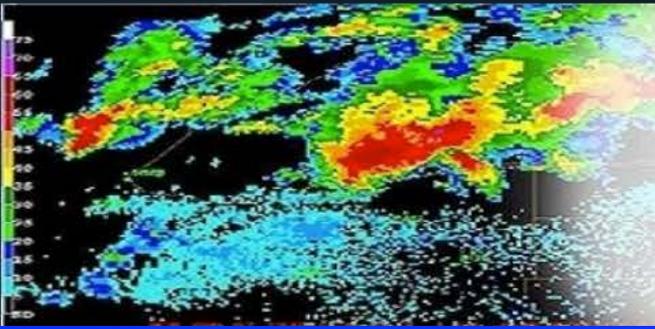
THREE-MONTH OUTLOOK
 TEMPERATURE PROBABILITY
 0.5 MONTH LEAD
 VALID JFM 2015
 MADE 18 DEC 2014

**Jan-Feb-Mar Temperature
 Forecast made Dec 18, 2104**



THREE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID DJF 2014
 MADE 20 NOV 2014

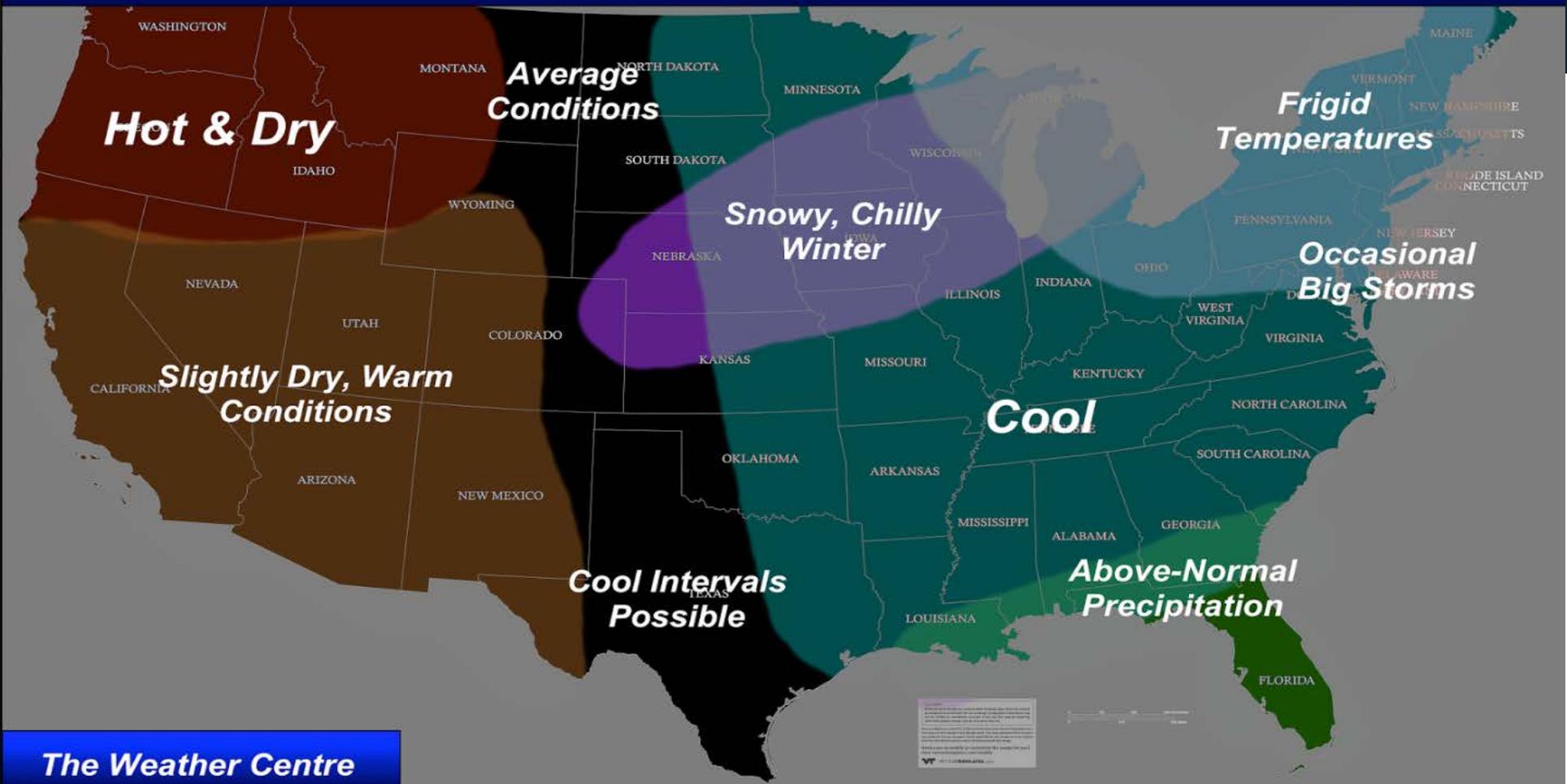
**Jan-Feb-Mar Precipitation
 Forecast made Dec 18, 2104**



The Weather Centre

EXPECT THE UNEXPECTED

Official 2014-2015 Winter Forecast





The Weather Centre

EXPECT THE UNEXPECTED

Friday, January 9, 2015

January 17-21 Potential Winter Storm

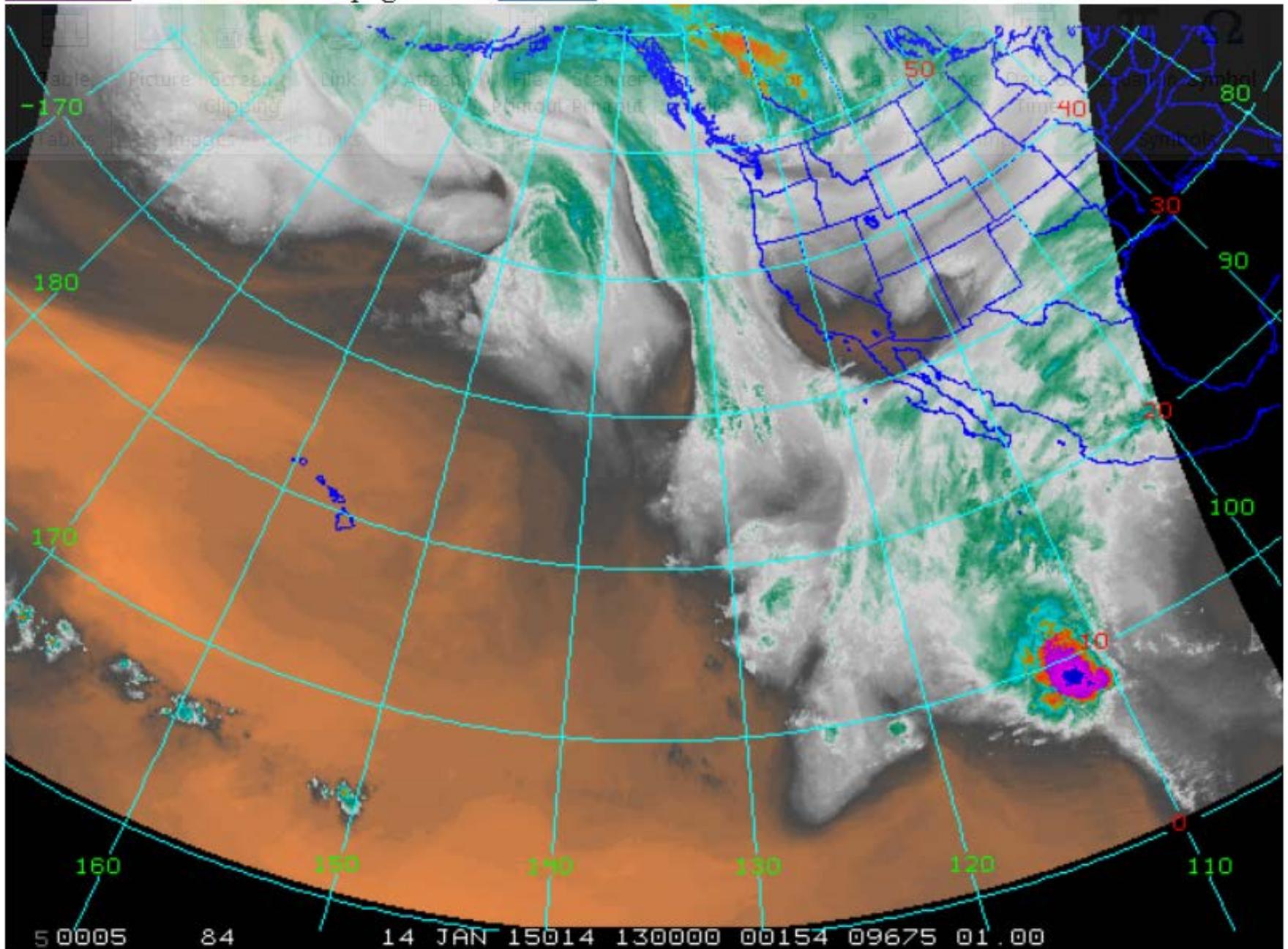
By Andreat 4:50 PM

There is potential for a disturbance in the January 17-21 timeframe.

Add in the moderately-positive NAO forecast, and chances are this storm will mainly take a west-to-east track, and is unlikely to "cut" north or south in any drastic manner. To summarize:

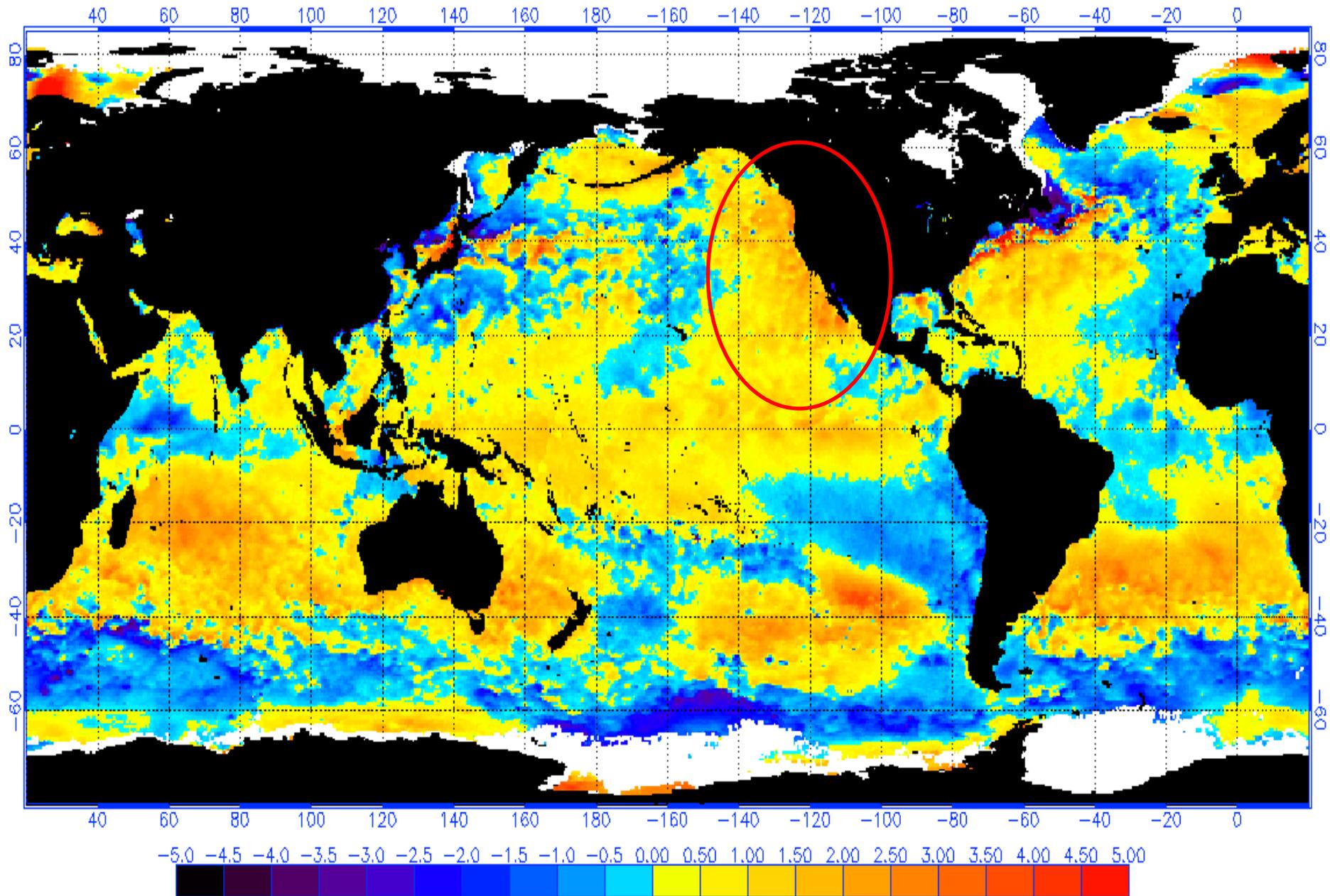
- A storm system may impact the US during the January 17-21 timeframe.
- Indications are this storm could affect primarily the mid-section of the country.
- Andrew <http://theweathercentre.blogspot.com/#sthash.ebQMEDiz.dpuf>

Water Vapor Image Jan 14 2015

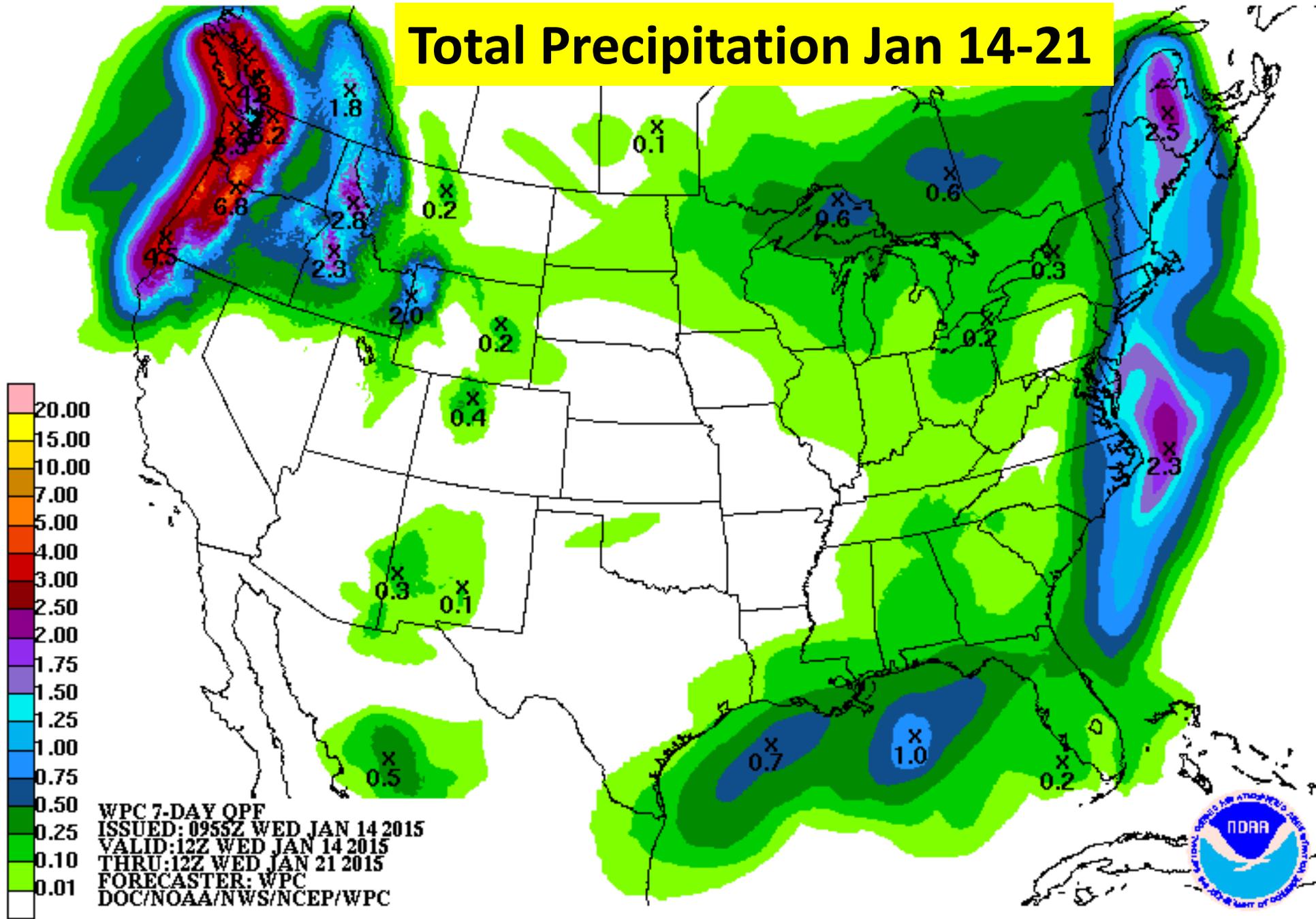


NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 1/12/2015

(white regions indicate sea-ice)



Total Precipitation Jan 14-21





[Home](#) [Weather Models](#) [Current Weather](#) [Winter Weather Wall](#) [Snow Day Formula](#) [Cold Day Formula](#) [Mentioned By](#)
[2014-2015 Winter Forecast Directory](#) [Official 2014-2015 Winter Forecast](#) [Live Streaming TV Networks](#)

Today's Featured Post: [Long Range Outlook: Dynamic Pattern Unfolding for January, February](#)

Monday, January 12, 2015

[Long Range Outlook: Dynamic Pattern Unfolding into February](#)

By [Andre](#) at 5:09 PM

This is the Long Range Outlook, covering the period from mid-January (present day) to around the middle of February.

To summarize:

- **Warmer than normal weather is expected around a January 15-23rd period.**
- **A storm system may impact the country around January 21-25.**
- **Cooler than normal weather is expected in the final days of January, possibly into February.**
- **There is increasing potential for a warming trend in the middle of February back to above-normal temperatures.**

Andrew - See more at:

<http://theweathercentre.blogspot.com/#sthash.ebQMEDiz.dpuf>

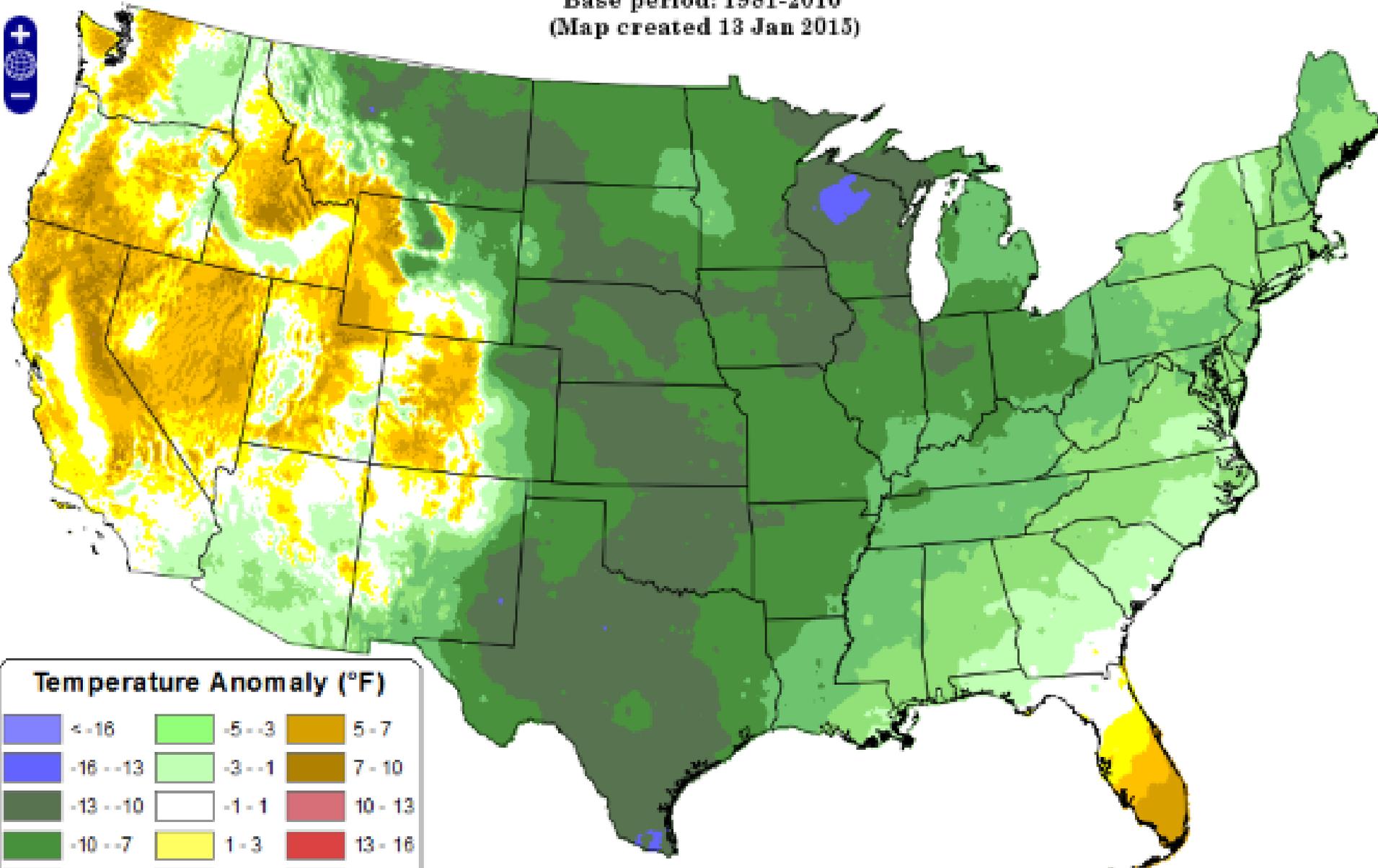


Daily Mean Temperature Anomaly: 01 January 2015 - 12 January 2015

Period ending 7 AM EST 12 Jan 2015

Base period: 1981-2010

(Map created 13 Jan 2015)



Temperature Anomaly (°F)

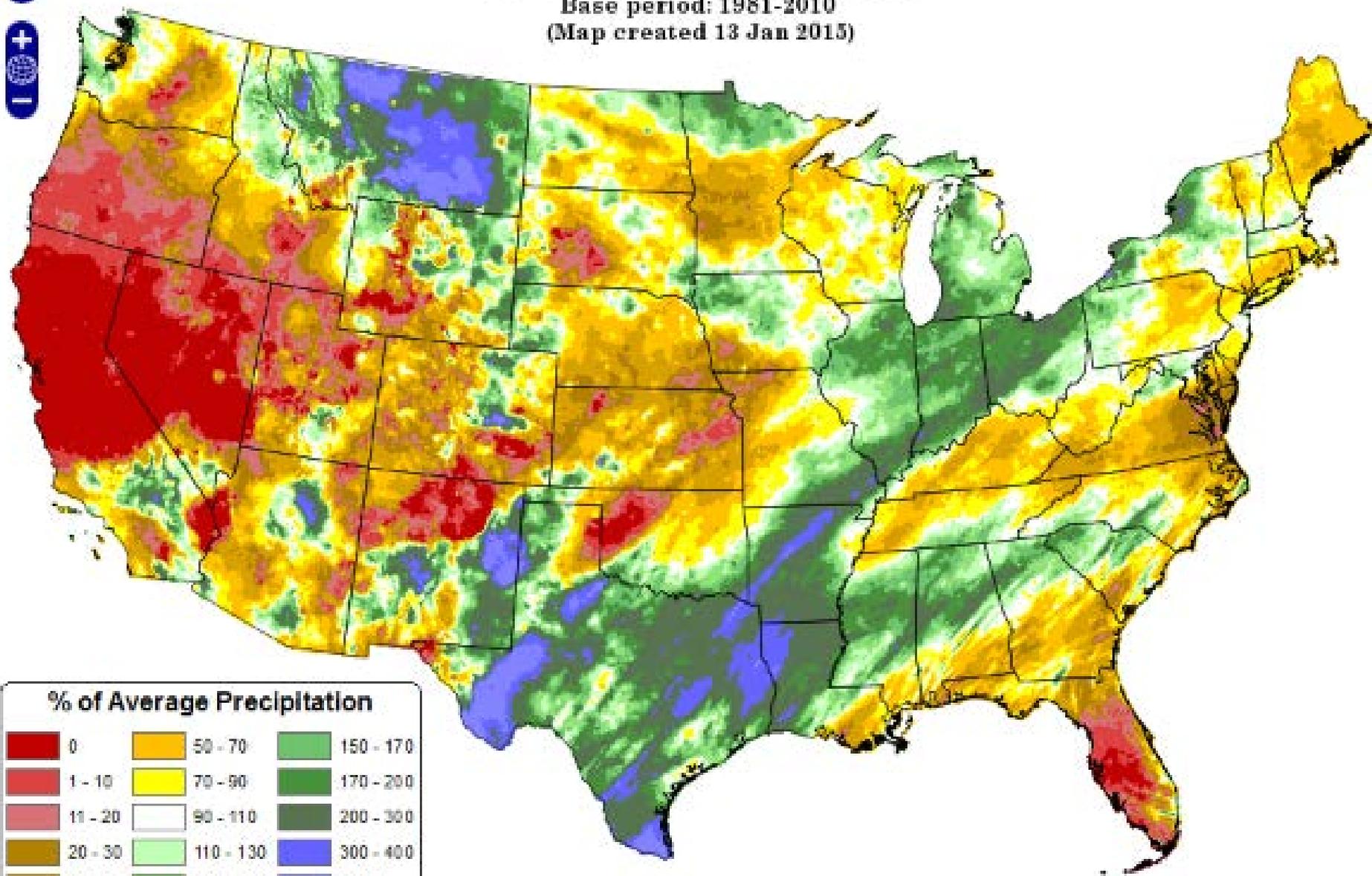
	< -16		-5 - -3		5 - 7
	-16 - -13		-3 - -1		7 - 10
	-13 - -10		-1 - 1		10 - 13
	-10 - -7		1 - 3		13 - 16
	-7 - -5		3 - 5		> 16

Total Precipitation Anomaly: 01 January 2015 - 12 January 2015

Period ending 7 AM EST 12 Jan 2015

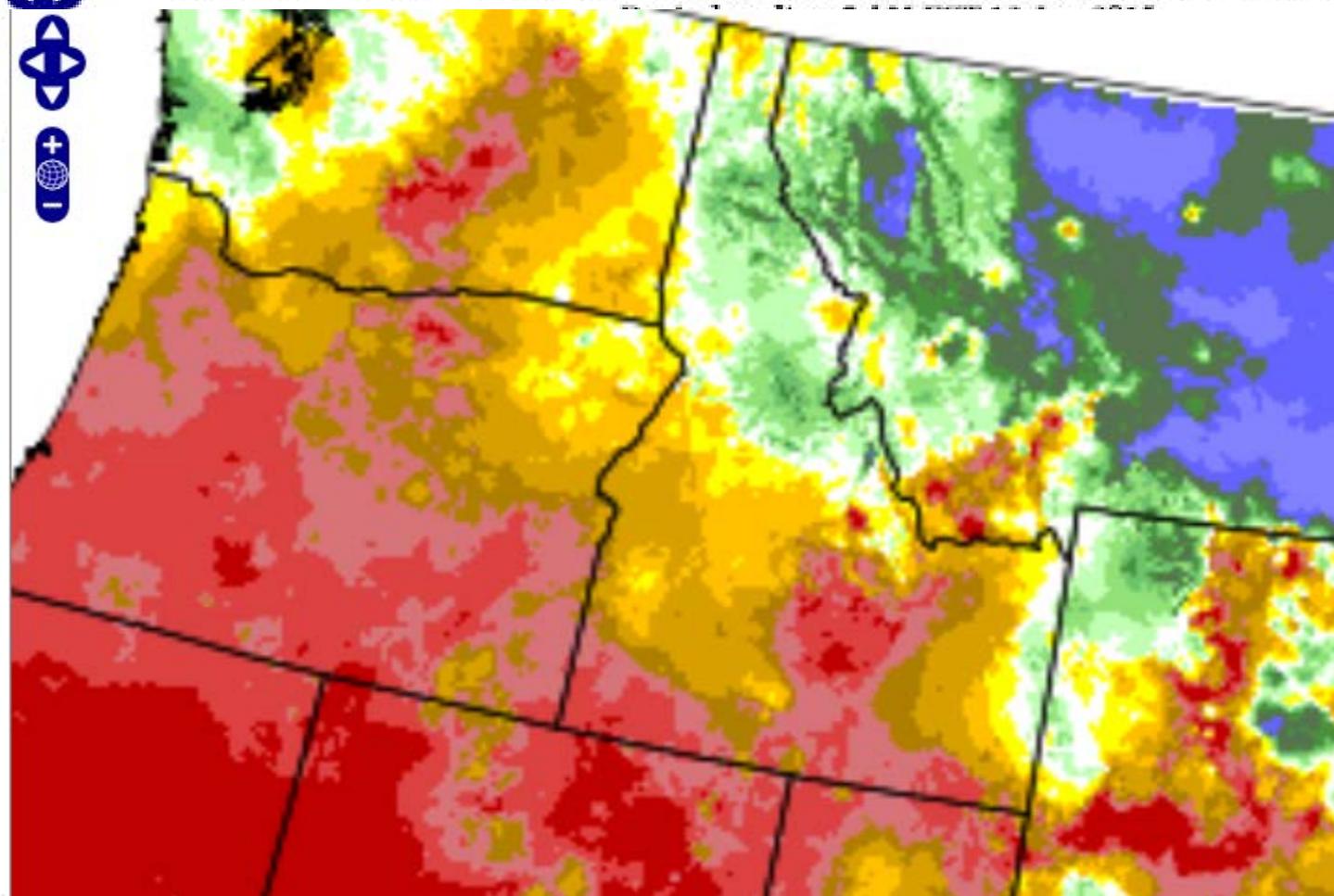
Base period: 1981-2010

(Map created 13 Jan 2015)



% of Average Precipitation		
0	50 - 70	150 - 170
1 - 10	70 - 90	170 - 200
11 - 20	90 - 110	200 - 300
20 - 30	110 - 130	300 - 400
30 - 50	130 - 150	> 400

Total Precipitation Anomaly: 01 January 2015 - 12 January 2015



% of Average Precipitation

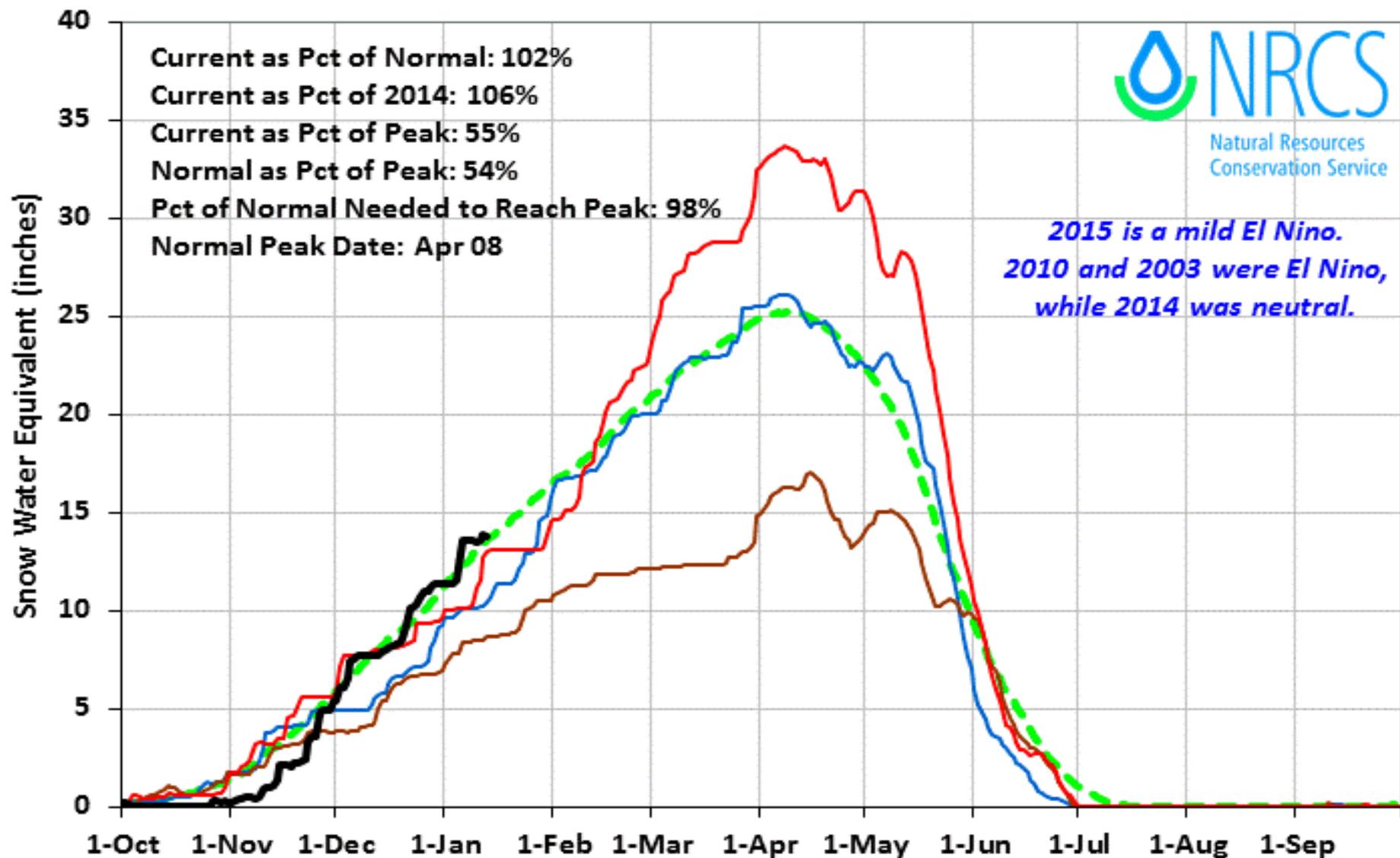


Upper Snake Jan 1-13 Precipitation is 43% of normal January Precipitation – best in state along with Spokane & Clearwater

Snake Basin above Jackson Lake 2015 Snowpack Comparison Graph (5 sites)

Based on Provisional SNOTEL data as of Jan 13, 2015

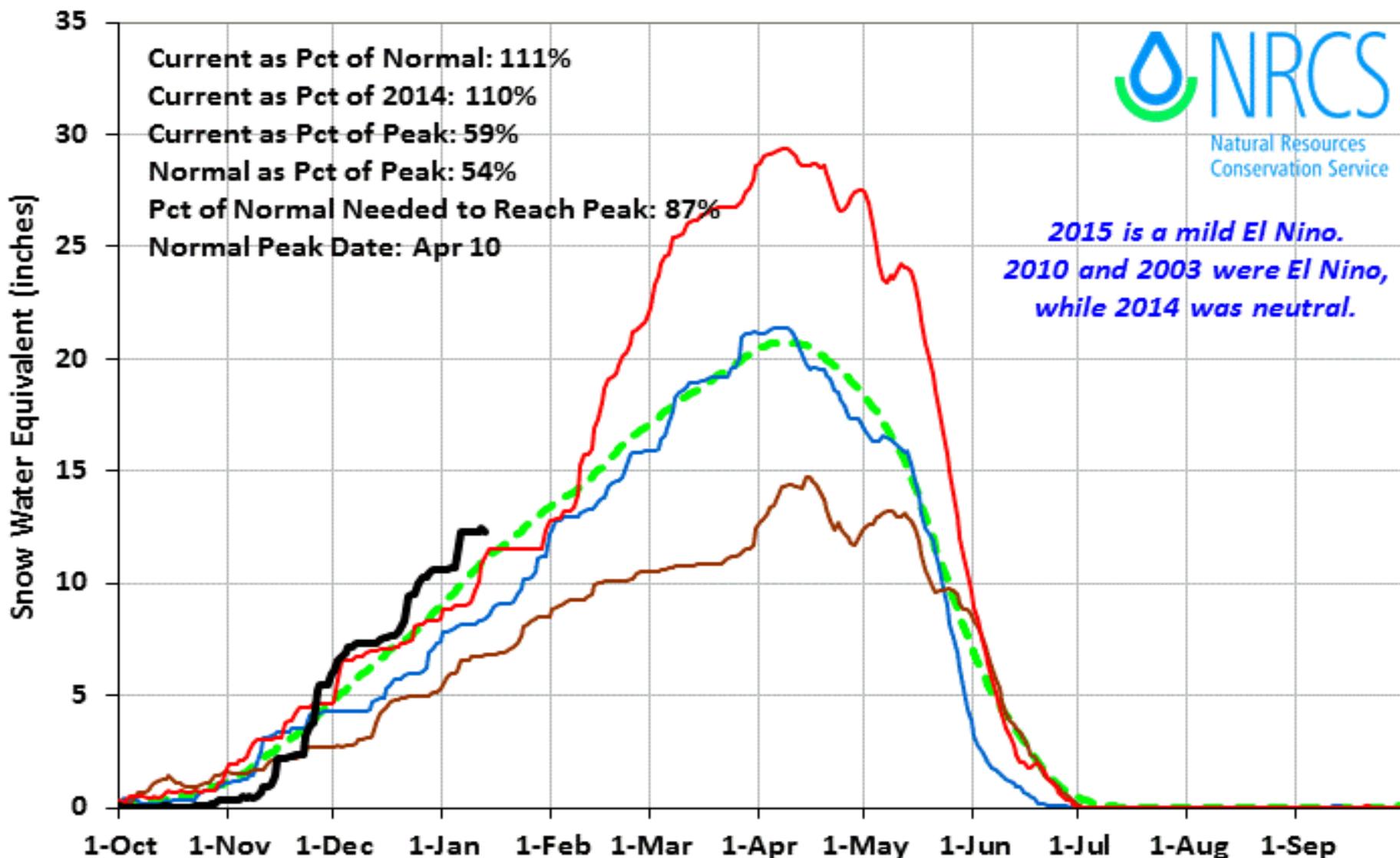
Normal WY2003 WY2010 WY2014 WY2015



Snake Basin above Palisades 2015 Snowpack Comparison Graph (18 sites)

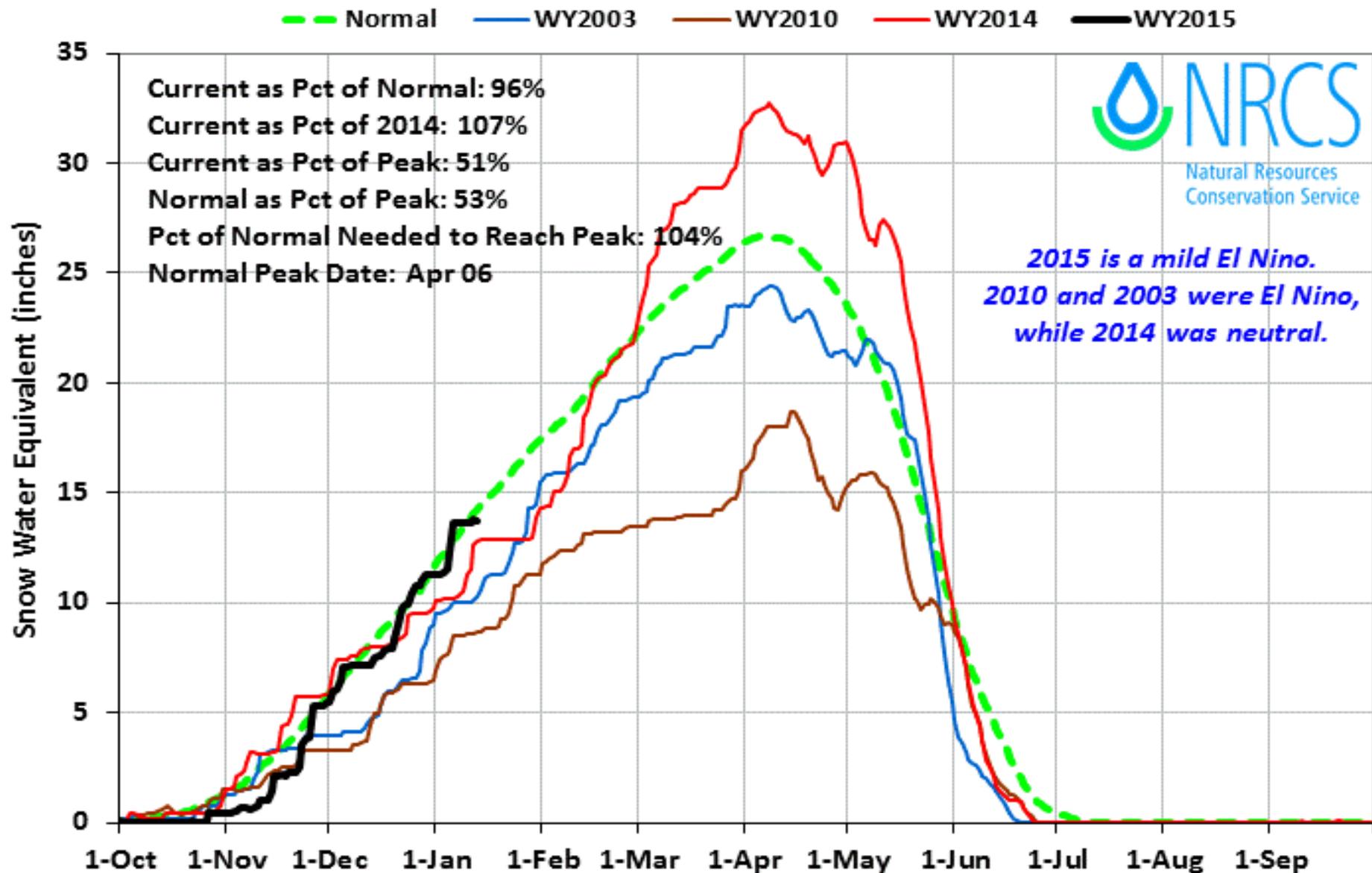
Based on Provisional SNOTEL data as of Jan 13, 2015

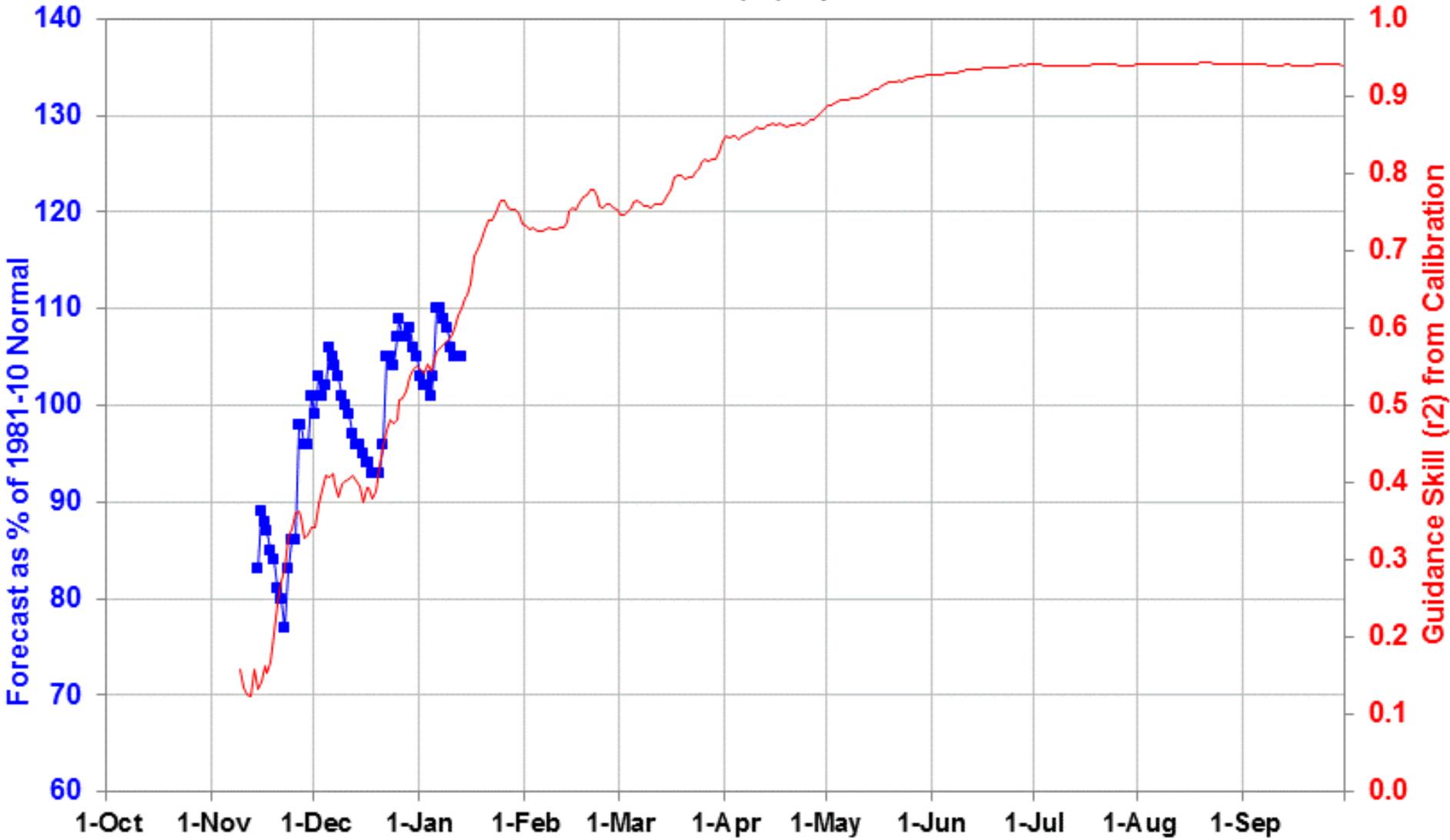
Normal WY2003 WY2010 WY2014 WY2015



Henry's Fork and Teton Basins 2015 Snowpack Comparison Graph (7 sites)

Based on Provisional SNOTEL data as of Jan 13, 2015





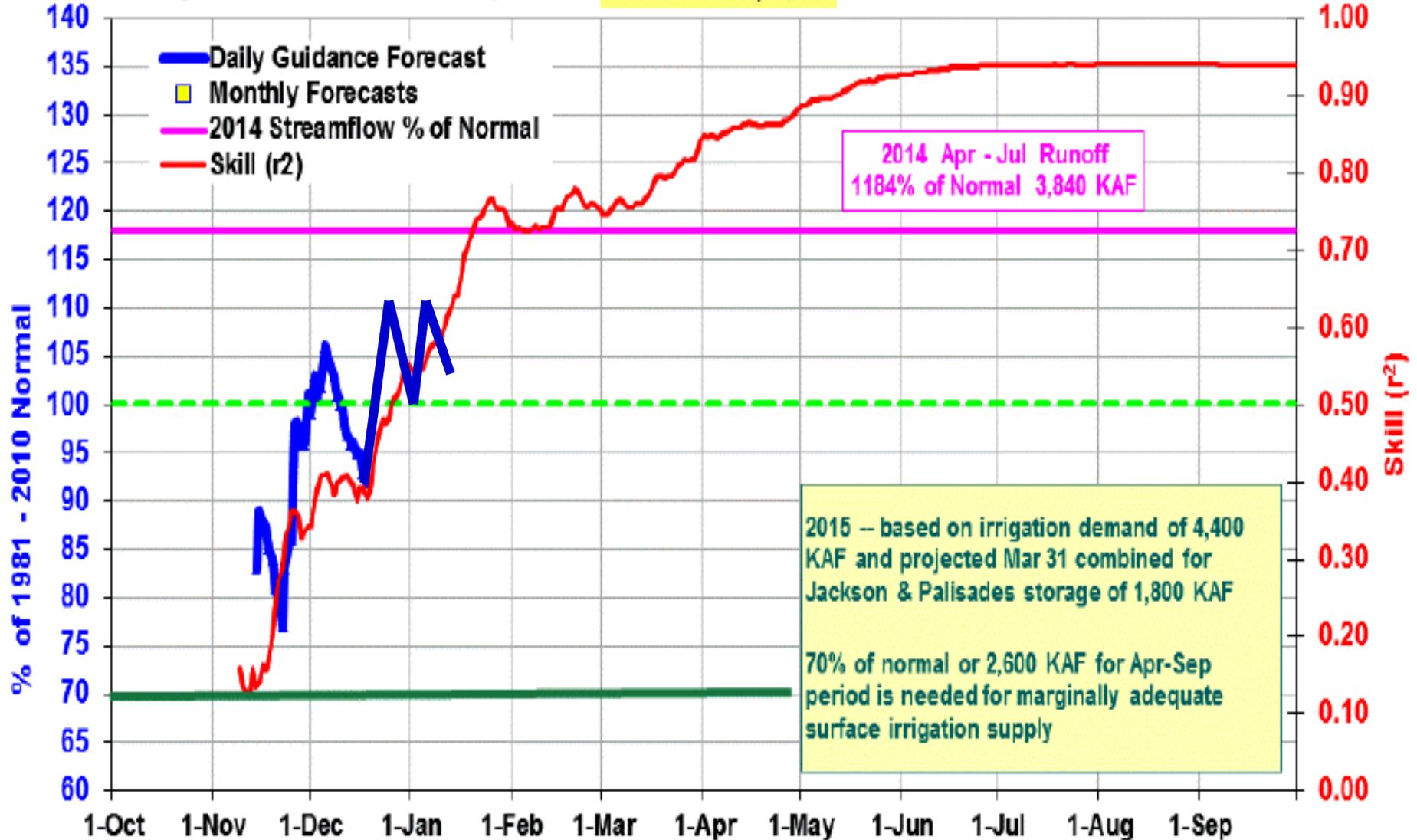
■ Guidance fcst % norm
— Guidance Skill (r²)

This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. Skill is defined as the correlation (squared) between the guidance and observed during calibration. This product does not consider climate information such as El Nino or short range weather forecasts, or a variety of other factors considered in the official forecasts. This product is not meant to replace or supercede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html



2015 Snake River near Heise: Apr - Jul Volume
NRCS Monthly Forecasts are Yellow Squares

Updated
 December 24, 2014

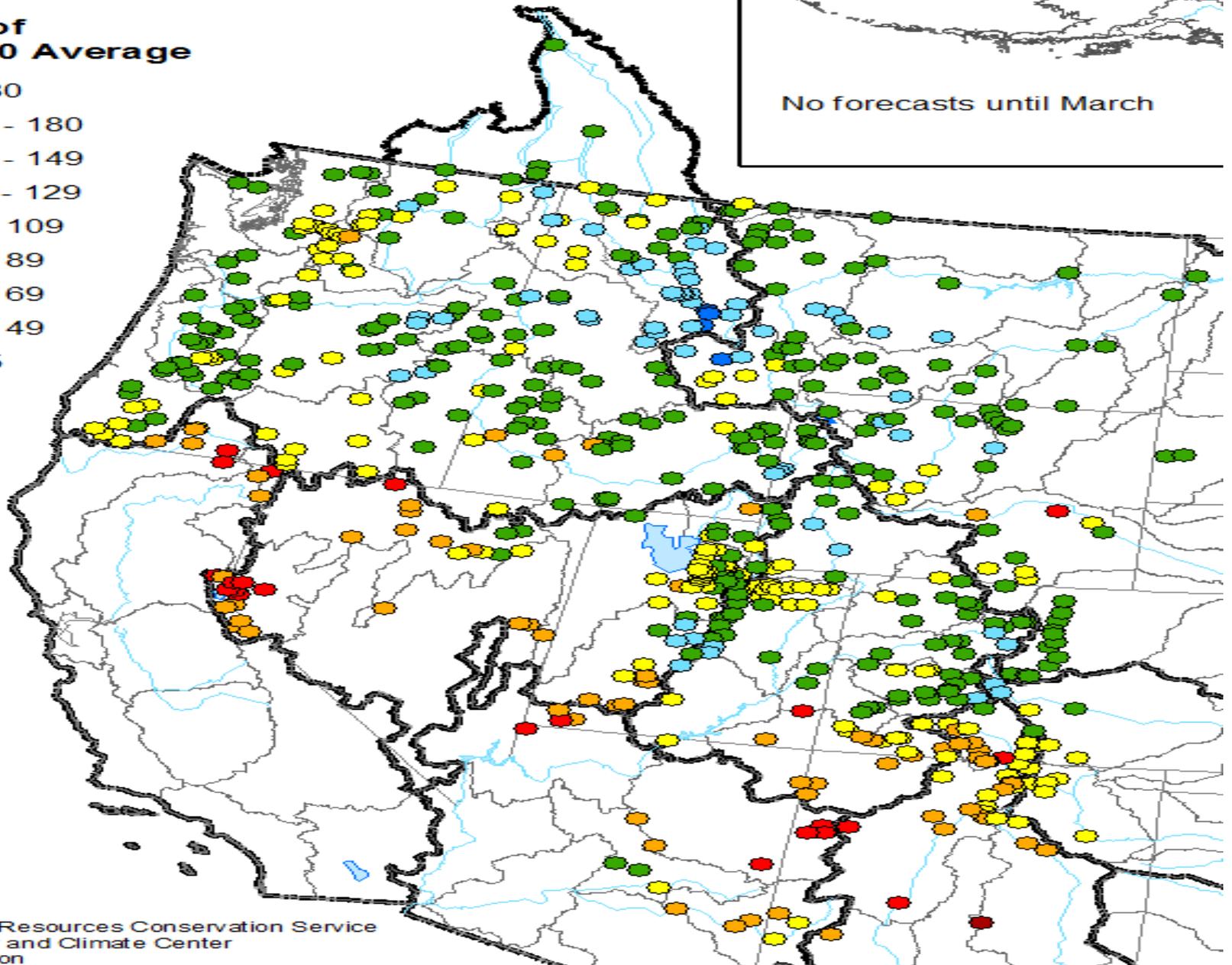
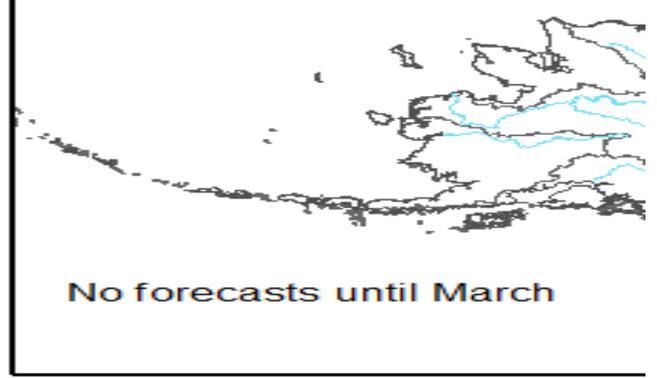


SNOTELs used: Base Camp, Blind Bull, Cottonwood Ck, Lewis Lake, Snake River Station, Slug Ck, Thumb Div, Willow Ck

Spring and Summer Streamflow Forecasts as of January 1, 2015

Percent of 1981-2010 Average

- > 180
- 150 - 180
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- 25 - 49
- < 25





Think Snow!!