

Where's the Snow Part I & II and Status of Snow Survey Program

Picture taken November 26, 2013
at Jackson Lake Dam

Treasure Valley Bean School
Feb 12, 2014
Nampa, Idaho



Ron Abramovich
Water Supply Specialist
USDA NRCS Snow Survey Boise, Idaho



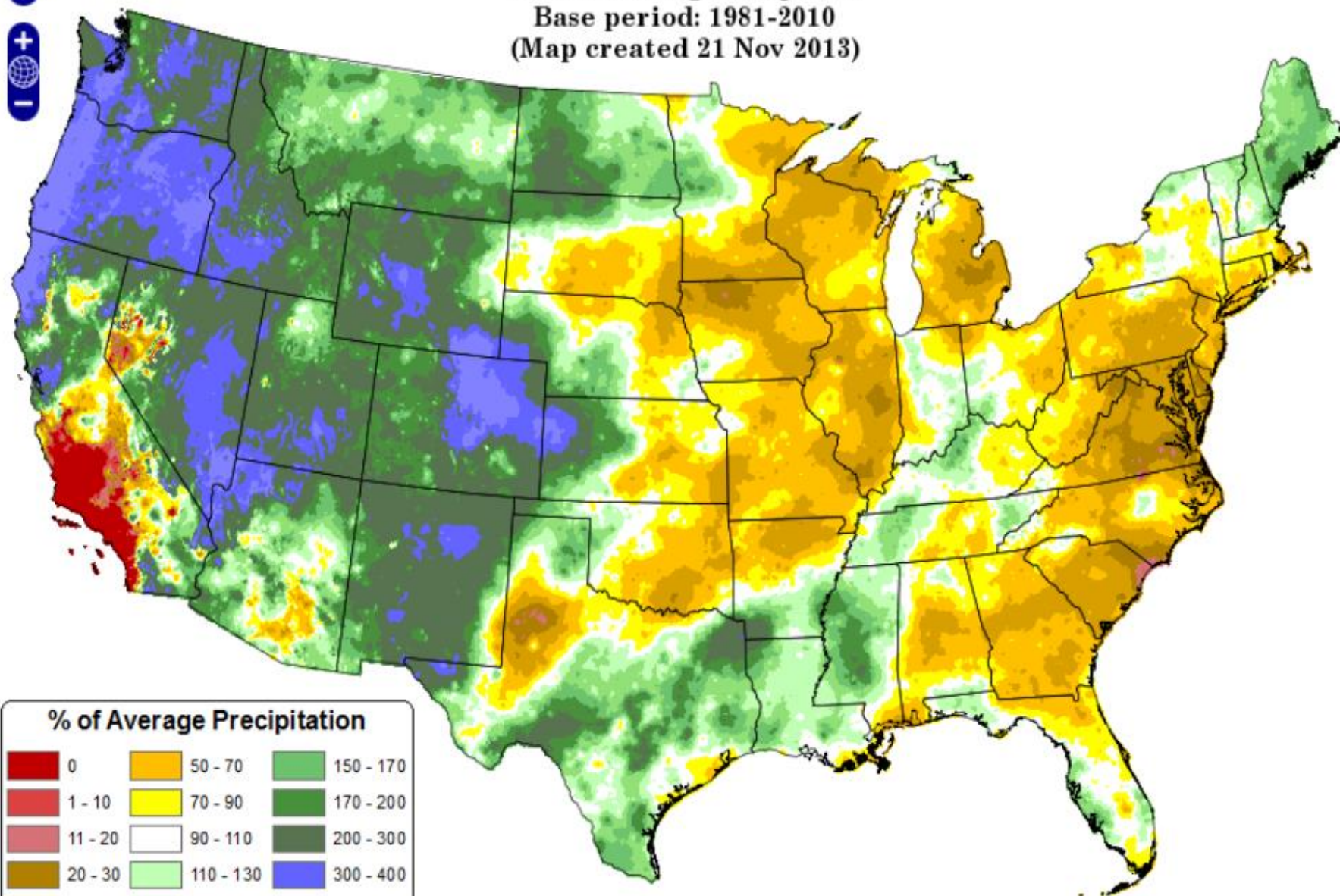


Total Precipitation Anomaly: September 2013

Period ending 30 Sep 2013

Base period: 1981-2010

(Map created 21 Nov 2013)



% 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

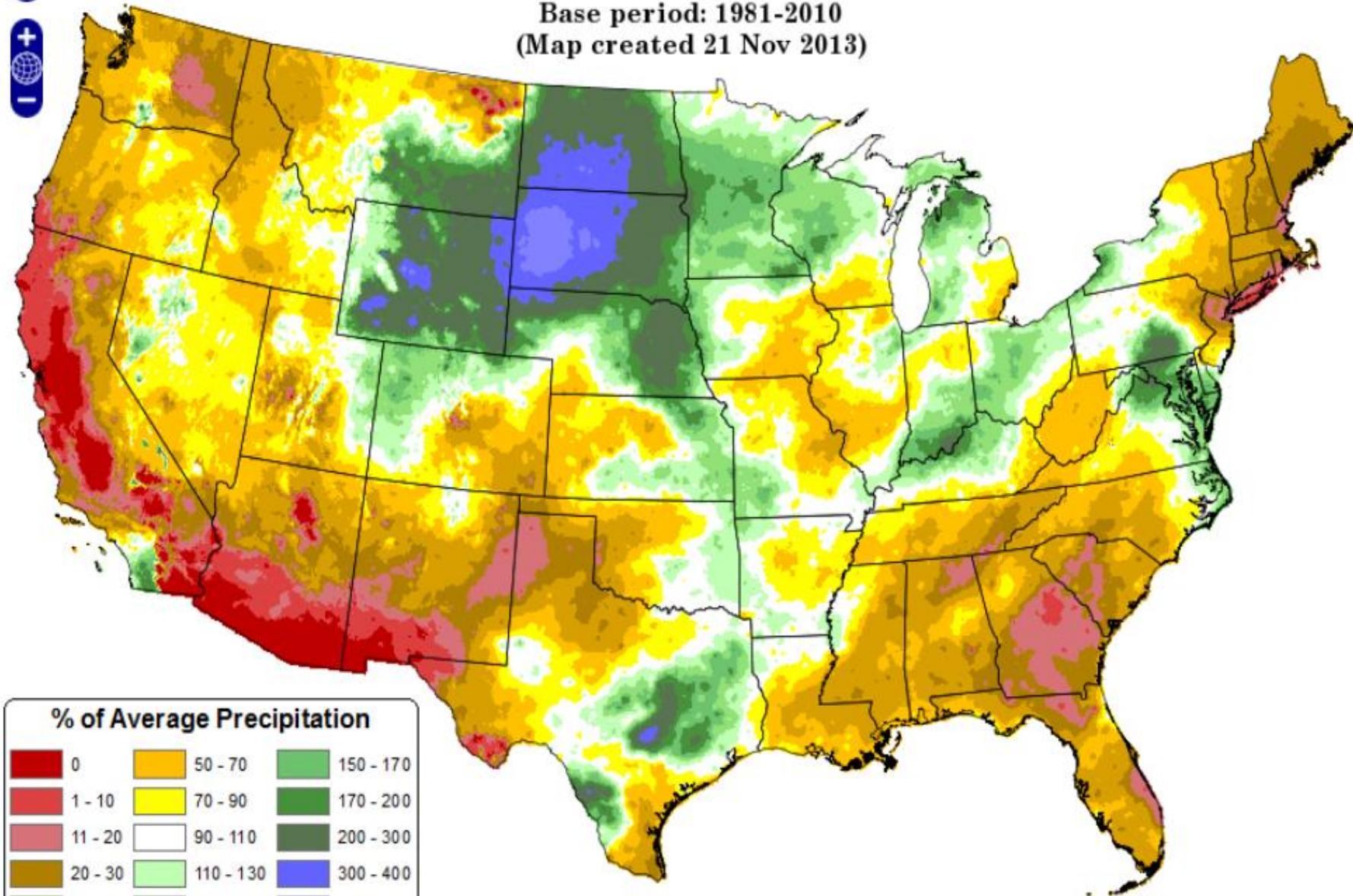


Total Precipitation Anomaly: October 2013

Period ending 31 Oct 2013

Base period: 1981-2010

(Map created 21 Nov 2013)

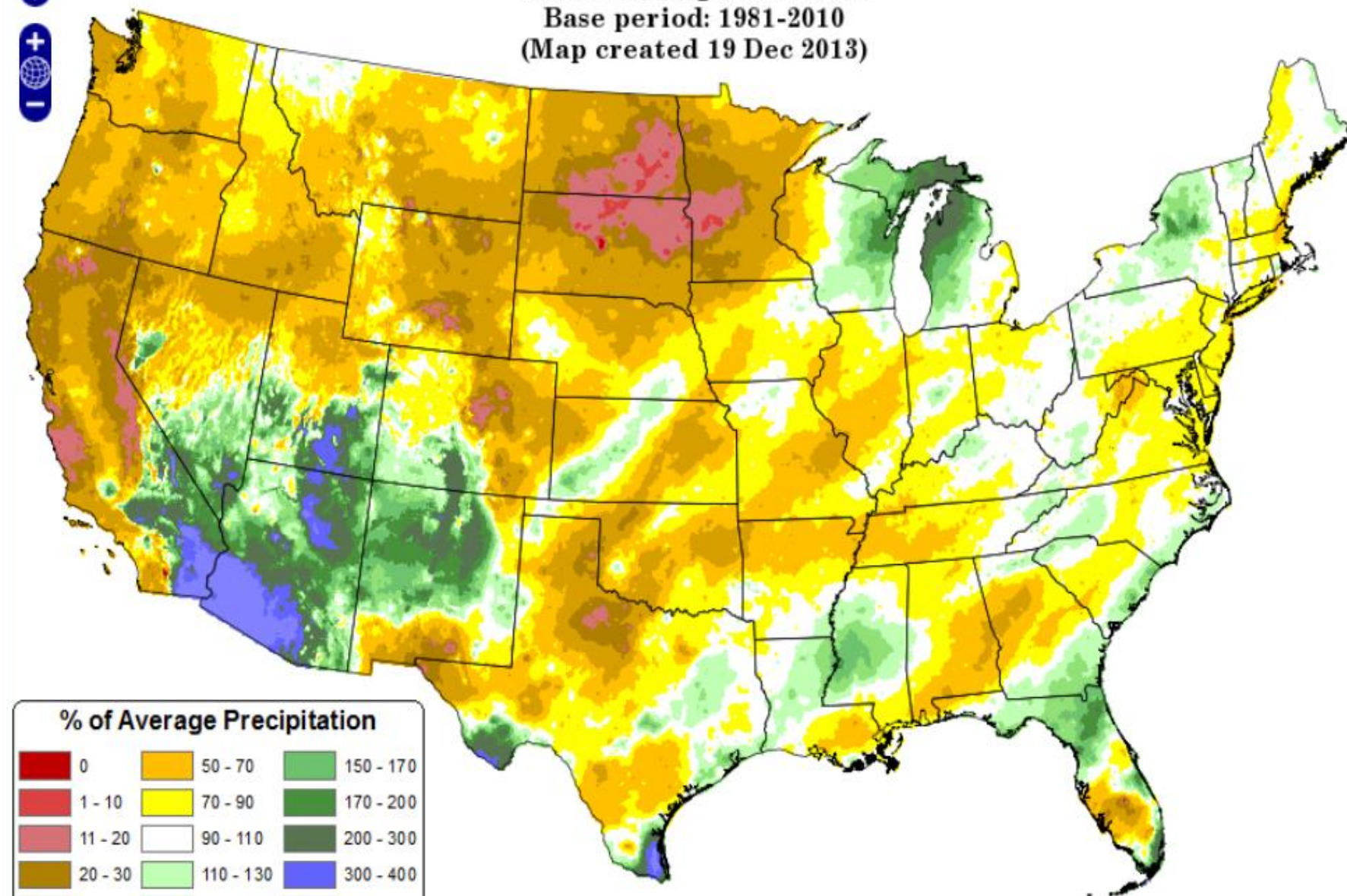


Total Precipitation Anomaly: November 2013

Period ending 30 Nov 2013

Base period: 1981-2010

(Map created 19 Dec 2013)



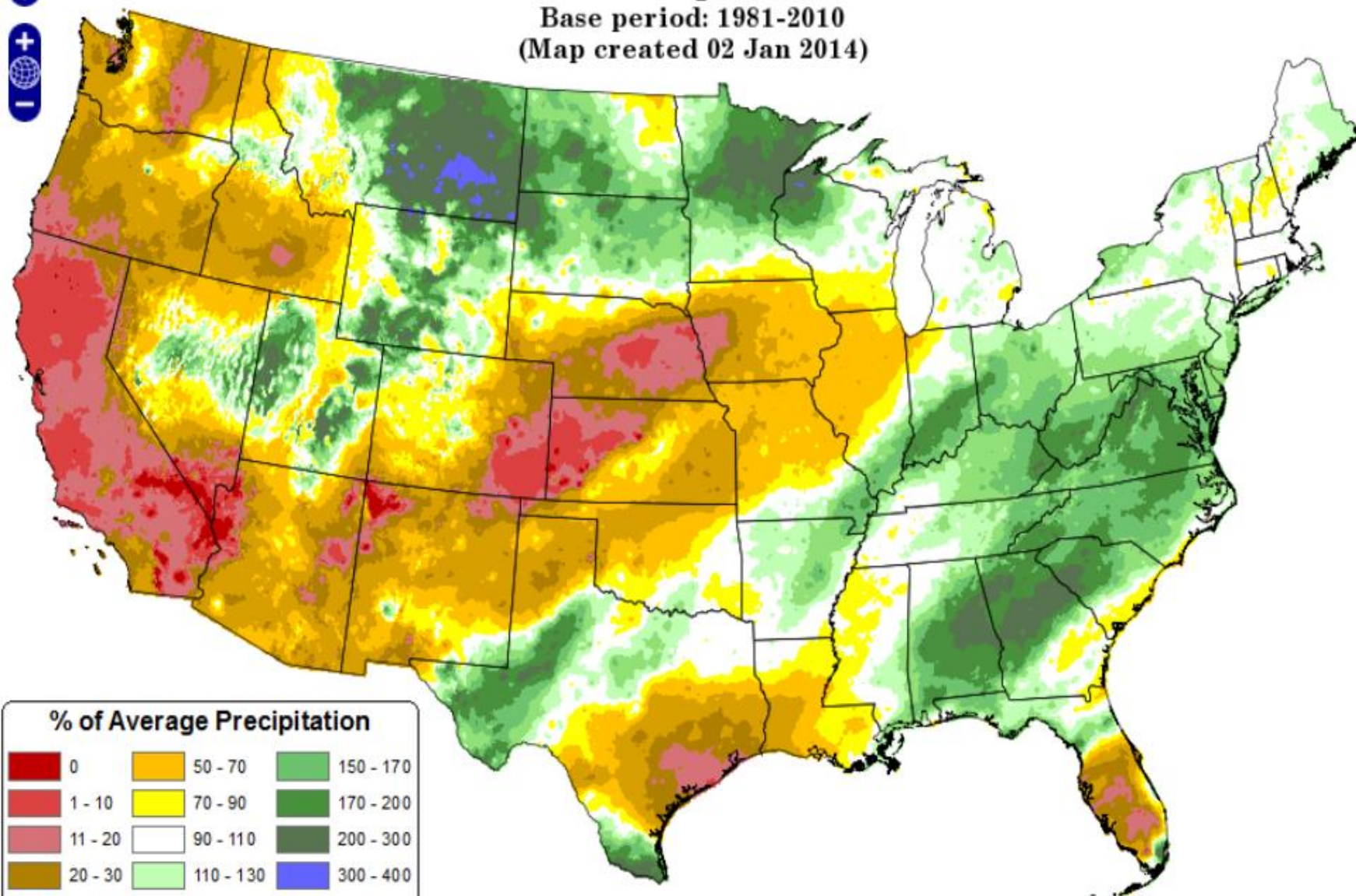


Total Precipitation Anomaly: December 2013

Period ending 31 Dec 2013

Base period: 1981-2010

(Map created 02 Jan 2014)



% of Average Precipitation





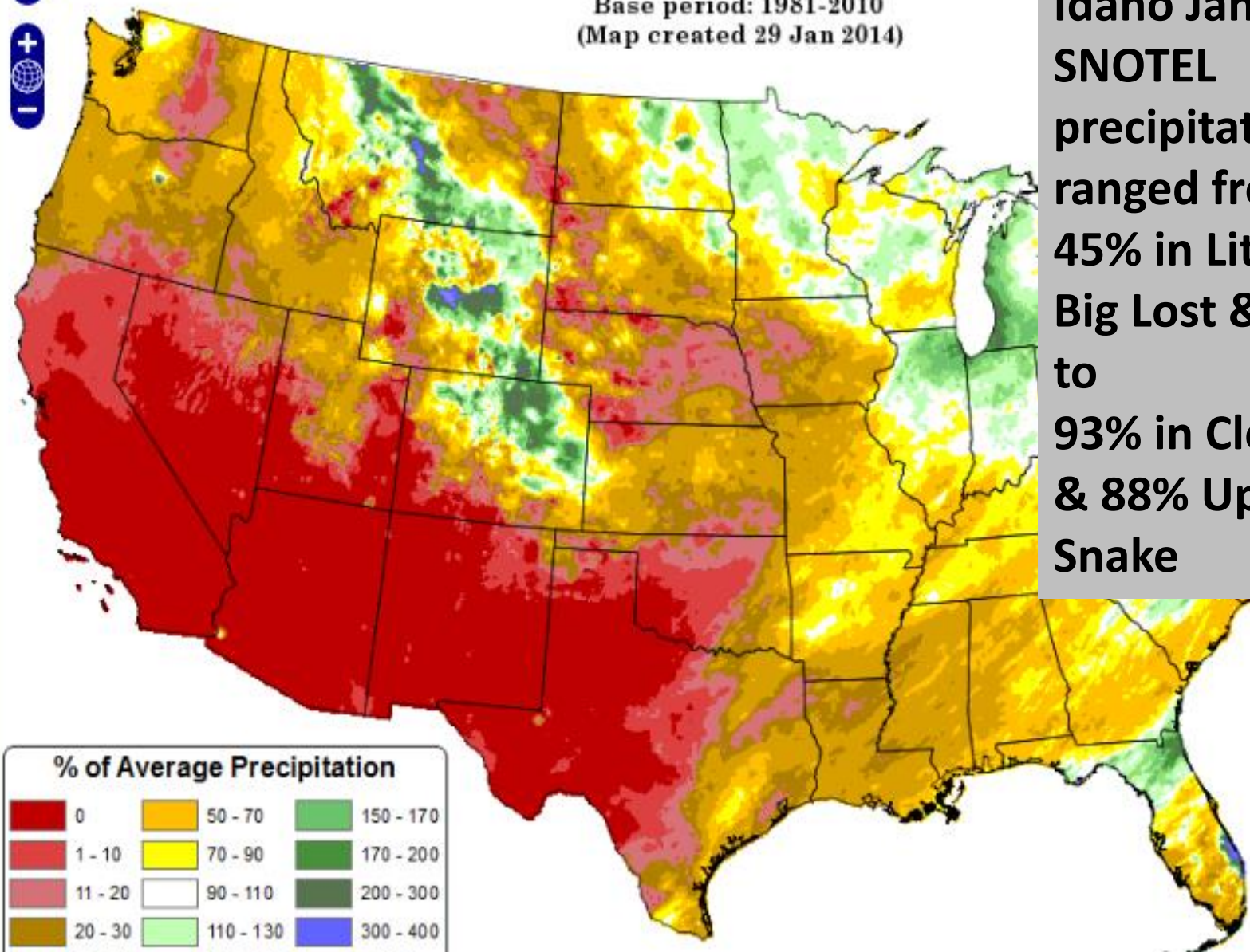
Total Precipitation Anomaly: 01 January 2014 - 28 January 2014

Period ending 7 AM EST 28 Jan 2014

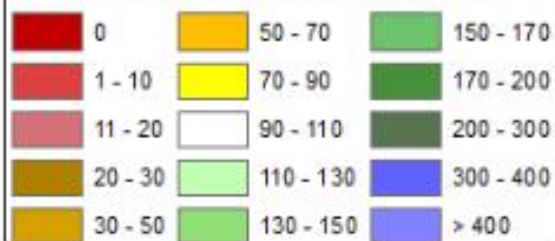
Base period: 1981-2010

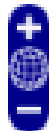
(Map created 29 Jan 2014)

Idaho Jan 1-31
SNOTEL
precipitation
ranged from:
45% in Little Wood,
Big Lost & Bruneau
to
93% in Clearwater
& 88% Upper
Snake



% of Average Precipitation

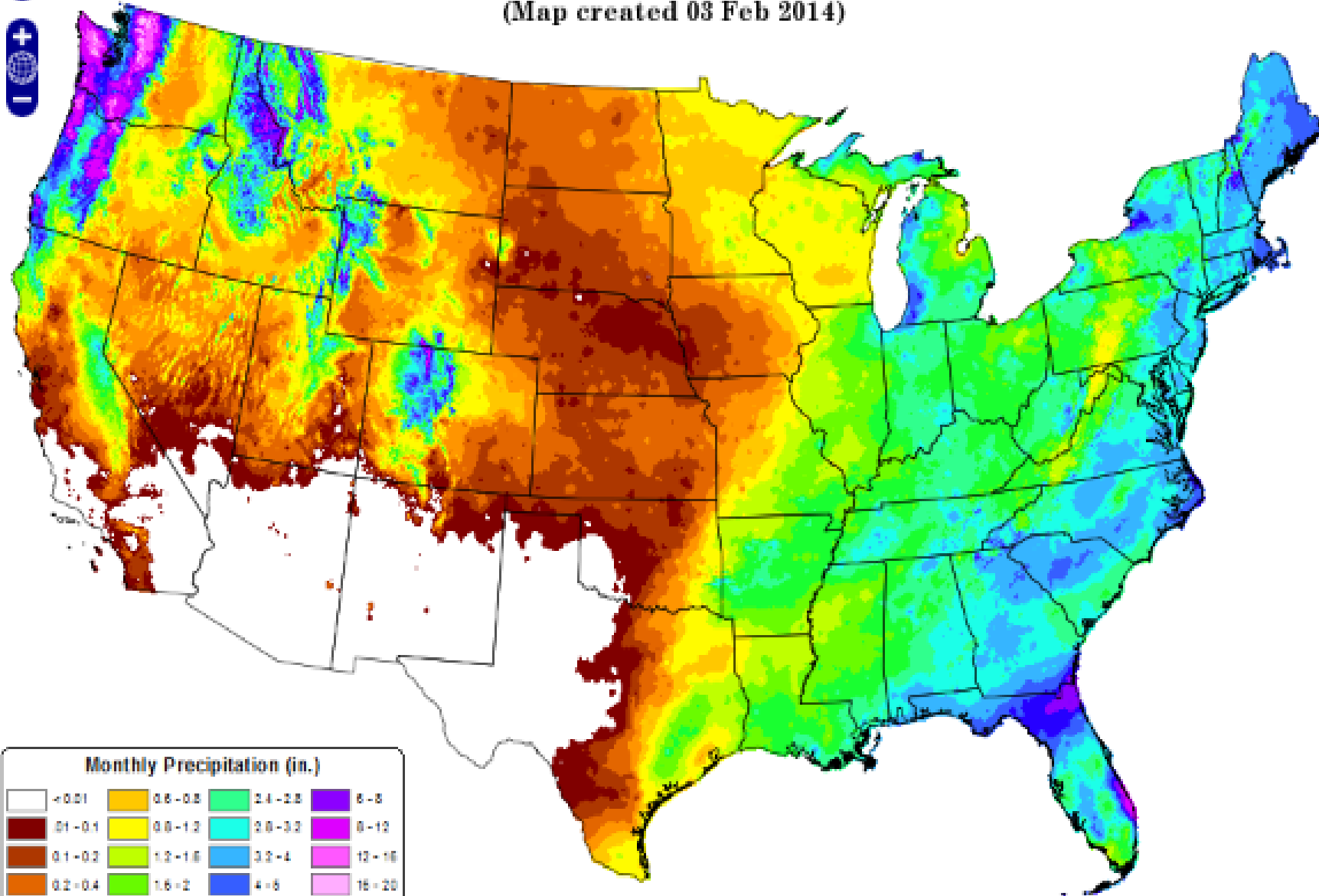




Total Precipitation: January 2014

Period ending 31 Jan 2014

(Map created 03 Feb 2014)



Monthly Precipitation (in.)

<0.01	0.6-0.8	2.4-2.8	8-8
0.1-0.1	0.8-1.2	2.8-3.2	8-12
0.1-0.2	1.2-1.6	3.2-4	12-16
0.2-0.4	1.6-2	4-6	16-20
0.4-0.6	2-2.4	6-8	>20

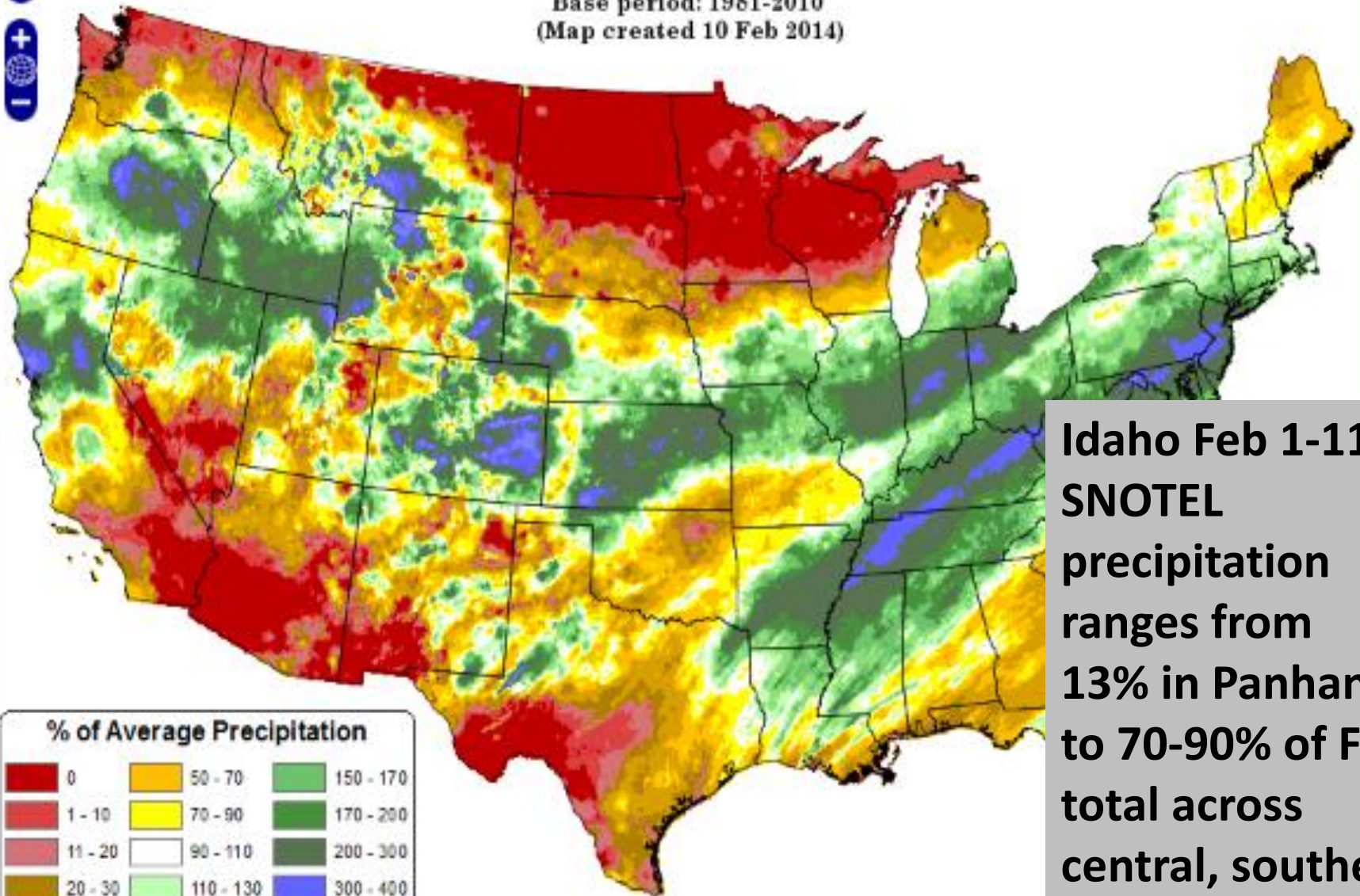


Total Precipitation Anomaly: 01 February 2014 - 09 February 2014

Period ending 7 AM EST 09 Feb 2014

Base period: 1981-2010

(Map created 10 Feb 2014)



% 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

Copyright (c) 2014, FRESM Climate Group, Oreg

**Idaho Feb 1-11
SNOTEL
precipitation
ranges from
13% in Panhandle
to 70-90% of Feb
total across
central, southern,
eastern Idaho/
upper Snake**

PRISM Maps

Maps were produced by Oregon State University's PRISM Climate Group.

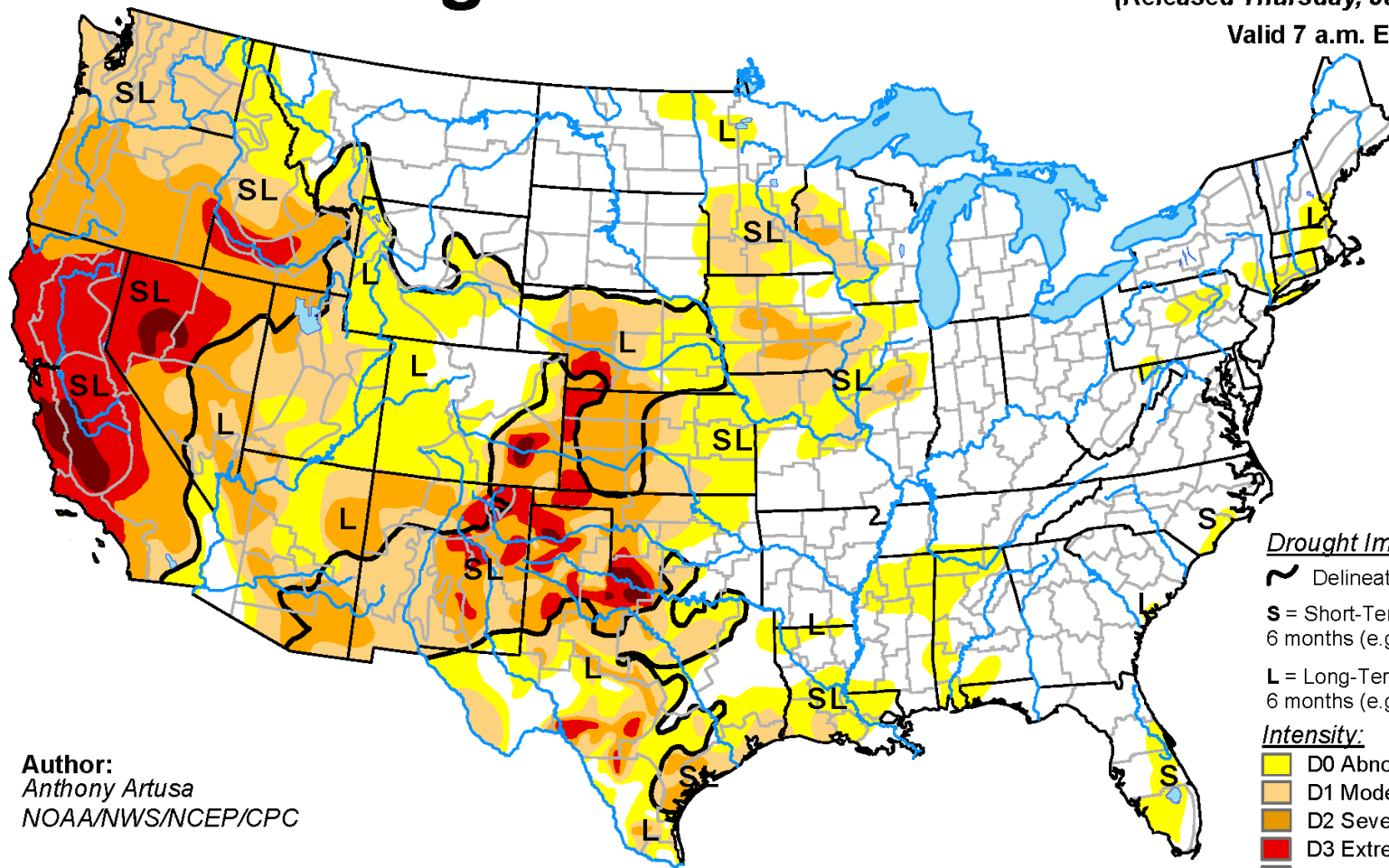
Data and website development are funded by USDA Risk Management Agency (RMA) for crop insurance verification, and quality control of SNOTEL data is funded by NRCS.

The maps include all SNOTEL stations and many other national and regional networks.

- Maps are <http://www.prism.oregonstate.edu/>

U.S. Drought Monitor

January 28, 2014
(Released Thursday, Jan. 30, 2014)
Valid 7 a.m. EST



Author:
Anthony Artusa
NOAA/NWS/NCEP/CPC

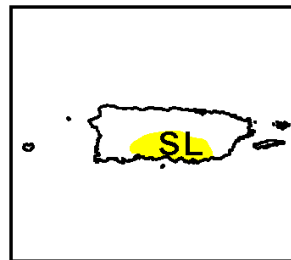
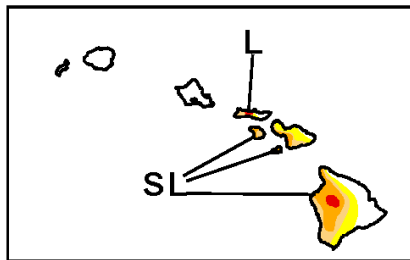
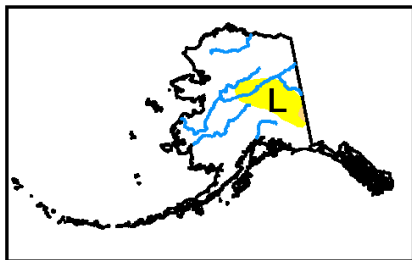
Drought Impact Types:

- ~ Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- D0** Abnormally Dry
- D1** Moderate Drought
- D2** Severe Drought
- D3** Extreme Drought
- D4** Exceptional Drought

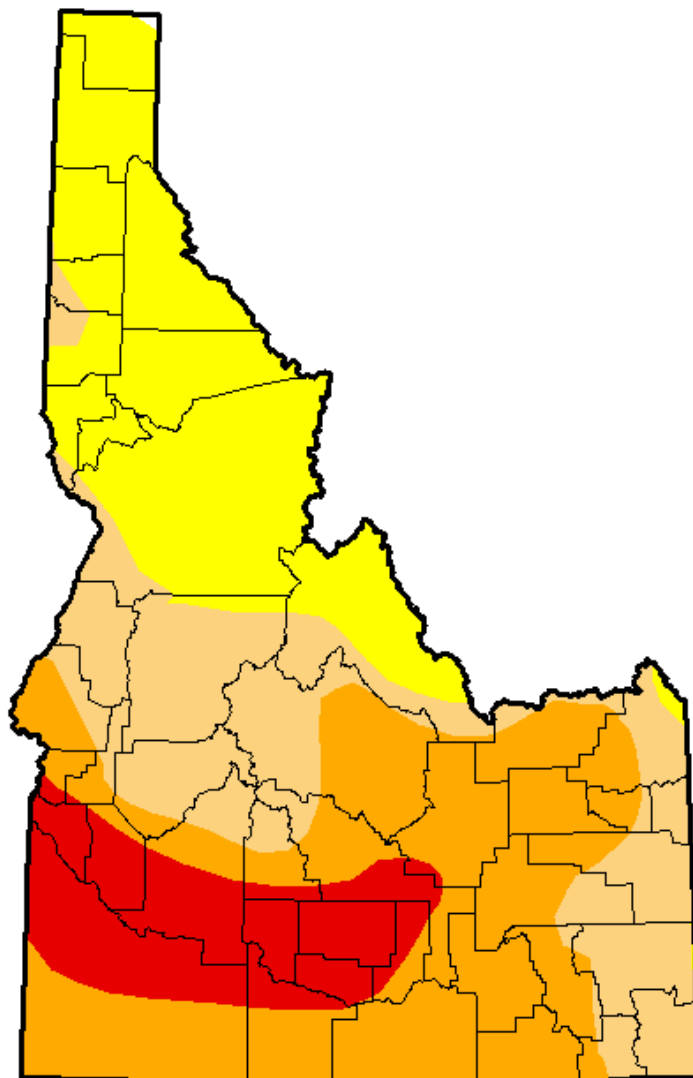
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



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

U.S. Drought Monitor Idaho

January 28, 2014
(Released Thursday, Jan. 30, 2014)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.06	99.94	71.96	46.71	13.79	0.00
Last Week <i>1/21/2014</i>	0.06	99.94	71.96	46.71	13.79	0.00
3 Months Ago <i>10/29/2013</i>	21.57	78.43	70.09	41.87	5.09	0.00
Start of Calendar Year <i>12/31/2013</i>	21.66	78.34	70.07	45.43	7.70	0.00
Start of Water Year <i>10/1/2013</i>	12.06	87.94	76.96	43.33	5.09	0.00
One Year Ago <i>1/29/2013</i>	38.79	61.21	36.69	0.52	0.00	0.00

Intensity:



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

Author:

Anthony Artusa
NOAA/NWS/NCEP/CPC



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



[Home](#) [Weather Models](#) [Current Weather](#) [Winter Weather Wall](#) [Snow Day Formula](#) [2013-2014 Winter Forecast Directory](#)

[2013-2014 Official Winter Forecast](#) [**Final 2013-2014 Winter Forecast**](#)

Today's Featured Post: [January 27-29 Northeast Coastal Clipper Storm](#)

Friday, December 27, 2013

January 17-21 Potential Colorado Low / Panhandle Hook Winter Storm

By [Andre](#) at 2:46 PM

This is an updated look at the January 17-21 potential winter storm, which had previously been titled the January 18-20 winter storm. The timeframe was extended to provide a 'cushion', as a look at some new indices favor a wider timeframe.

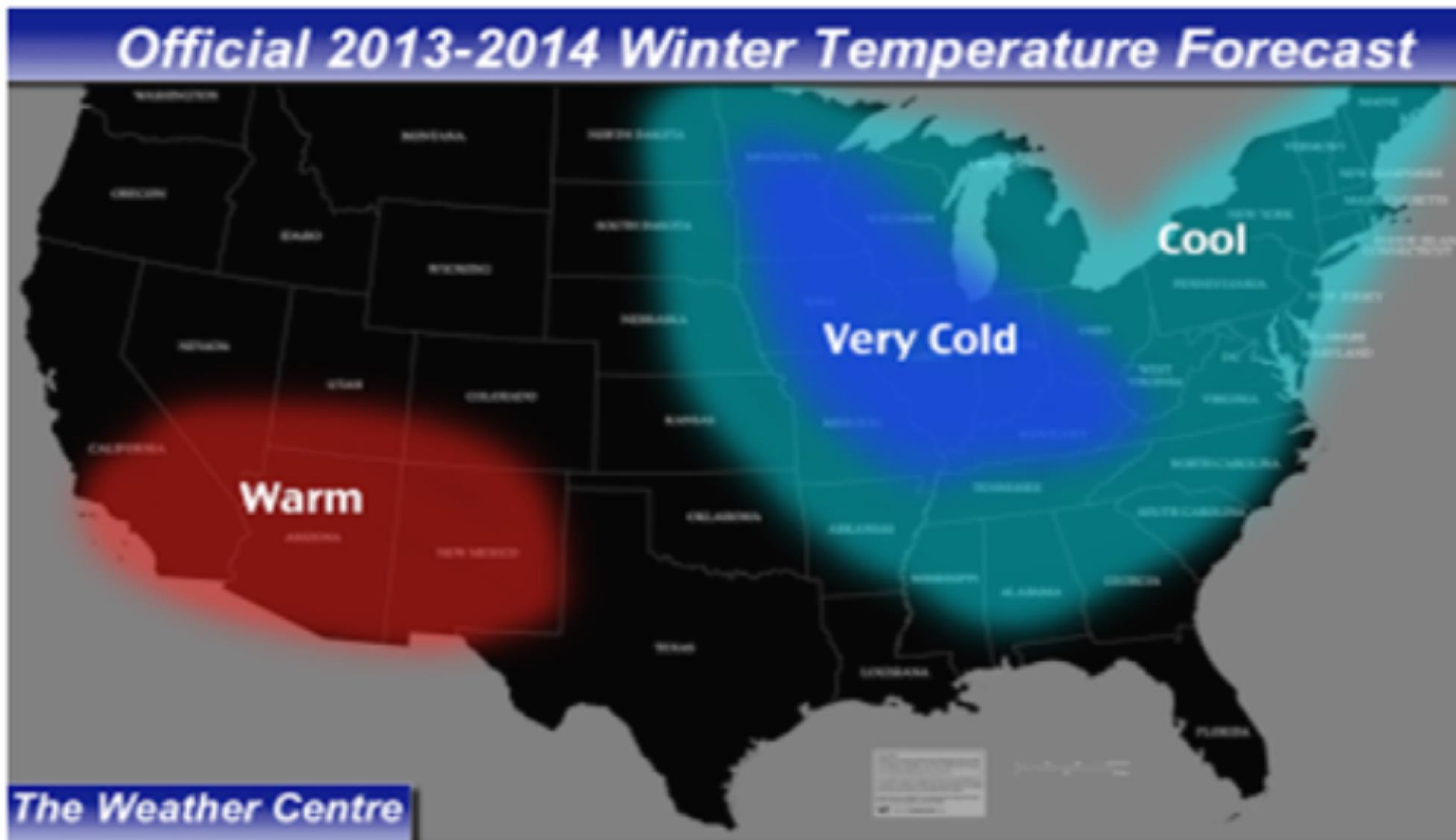
This is a long range post, and many found the notion of me publishing such a far out storm possibility appalling. However, the evidence is building for a potential storm system in this timeframe, and if you'll just give this post a good read, you can see why I'm posting about it this early.

Saturday, August 31, 2013

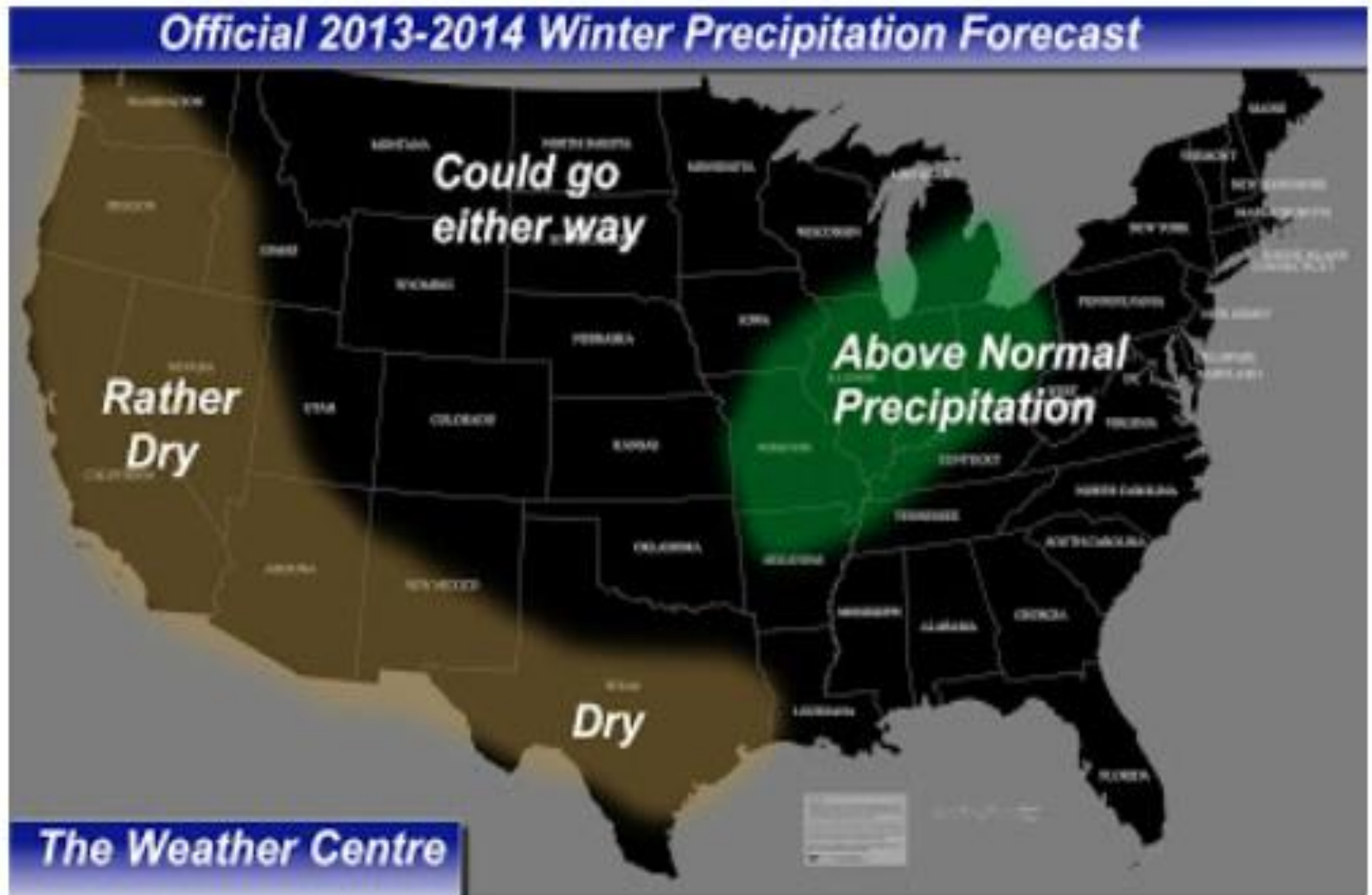
"Much of the nation can expect some frigid weather this winter."

Official 2013-2014 Winter Forecast

By [Andrea](#) at 12:00 PM



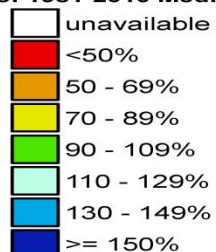
Precipitation is a wild card this year. With a ridging pattern expected along the western coast of North America, drier than normal conditions are expected. I'm not completely confident in the entire Western US receiving dry weather, which is why it is labeled 'Rather Dry' over just dry.



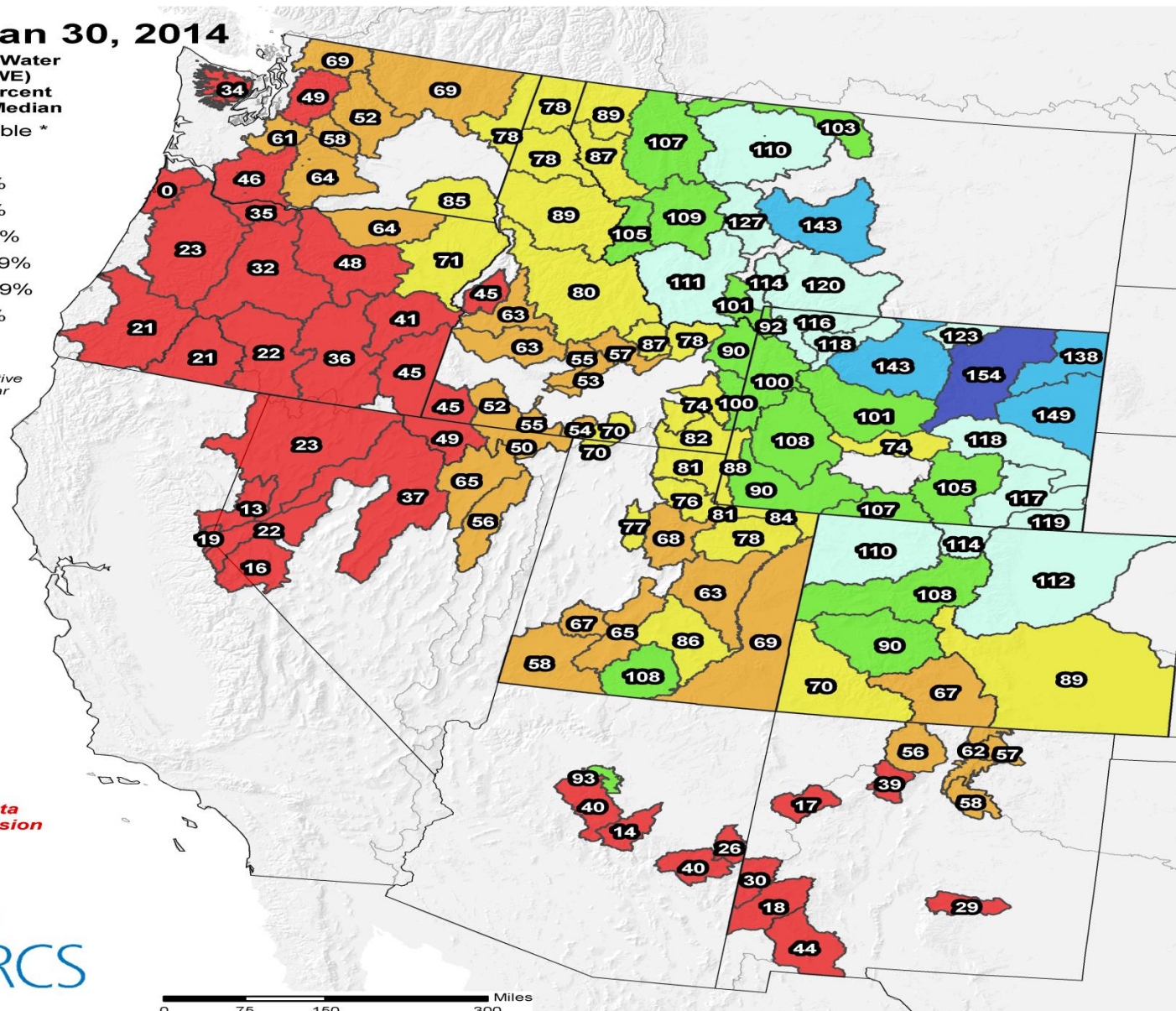
Westwide SNOTEL Current Snow Water Equivalent (SWE) % of Normal

Jan 30, 2014

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



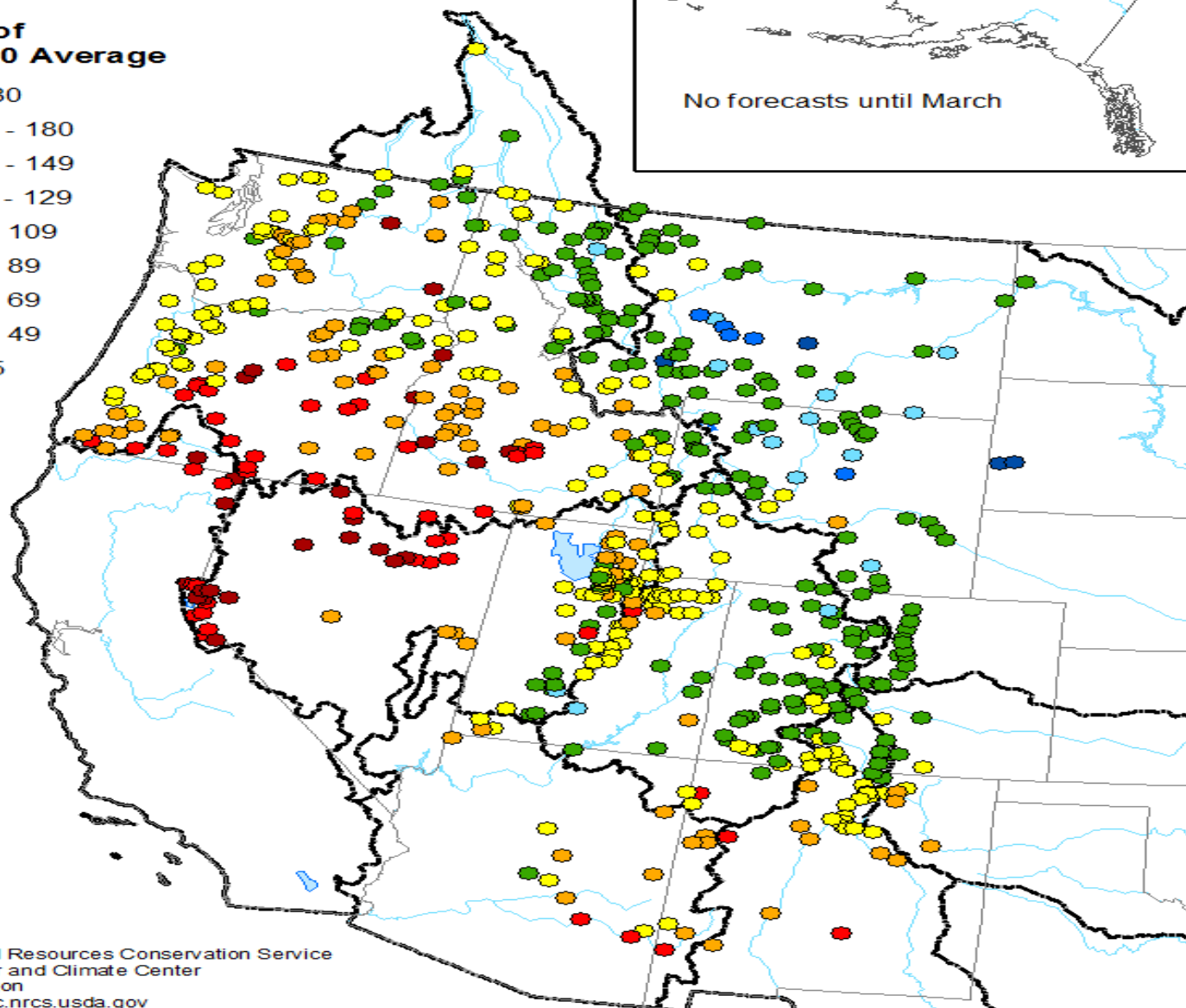
The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>
Science contact: Jim.Marron@por.usda.gov 503 414 3047

Spring and Summer Streamflow Forecasts as of January 1, 2014

Percent of
1981-2010 Average

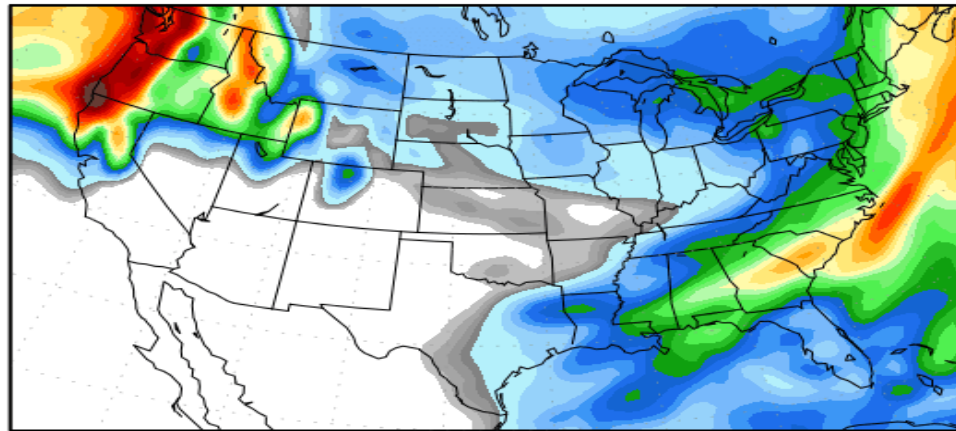
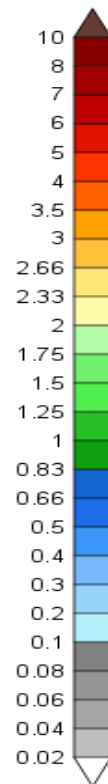
- > 180
- 150 - 180
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- 25 - 49
- < 25



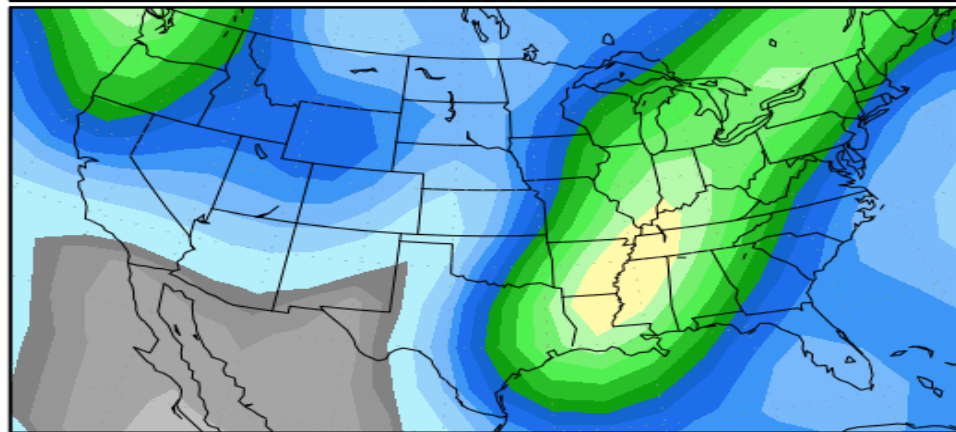
Precipitation Forecasts

**Precipitation (in)
during the period:**

Tue, 11 FEB 2014 at 12Z
-to-
Wed, 19 FEB 2014 at 12Z

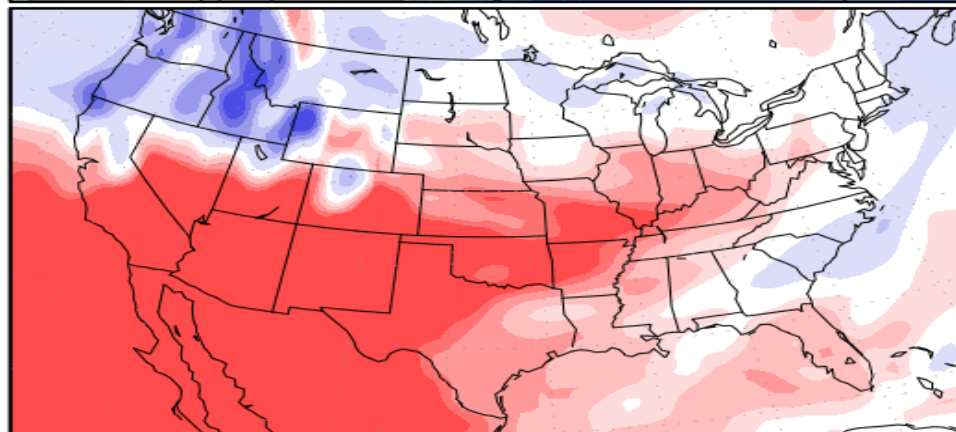
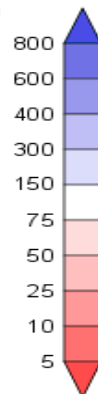


Wed, 19 FEB 2014 at 12Z
-to-
Thu, 27 FEB 2014 at 12Z



**Precipitation (% of normal)
during the first period:**

Tue, 11 FEB 2014 at 12Z
-to-
Wed, 19 FEB 2014 at 12Z



Precipitation forecasts from the National Centers for Environmental Prediction.
Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.
Forecast Initialization Time: 12Z11FEB2014

Temperature Forecasts

Mean Surface Temperature (°F)
during the period:

Tue, 11 FEB 2014 at 12Z

-to-

Wed, 19 FEB 2014 at 12Z

Wed, 19 FEB 2014 at 12Z

-to-

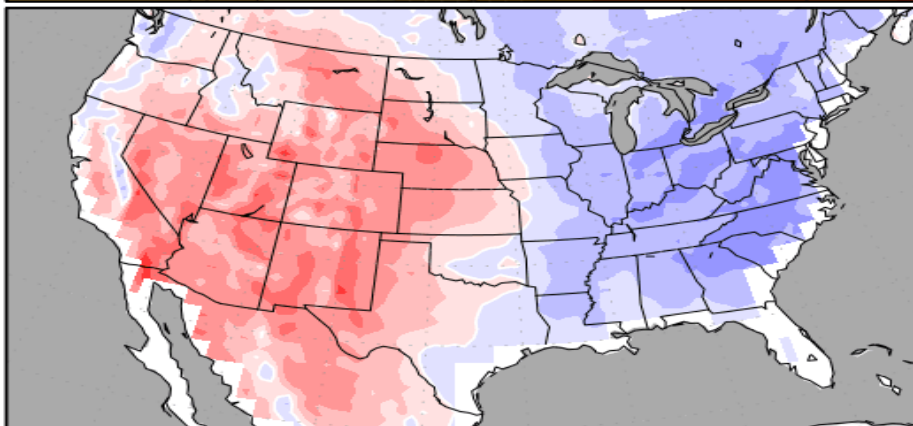
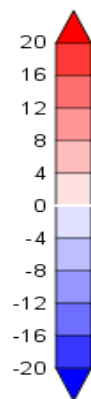
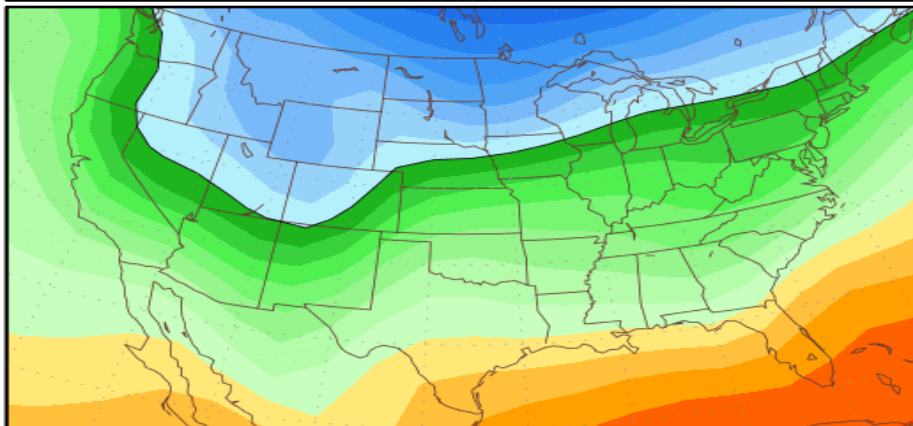
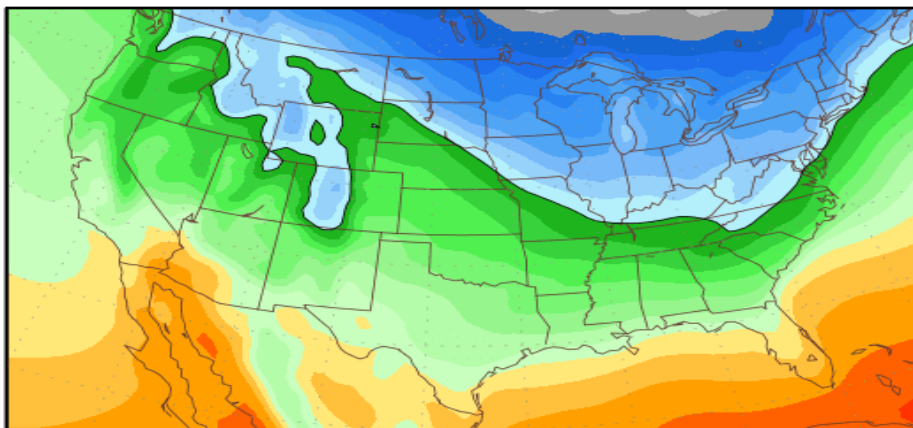
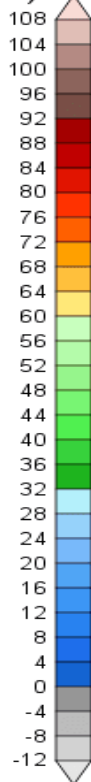
Thu, 27 FEB 2014 at 12Z

Temperature Anomaly
during the first period:

Tue, 11 FEB 2014 at 12Z

-to-

Wed, 19 FEB 2014 at 12Z

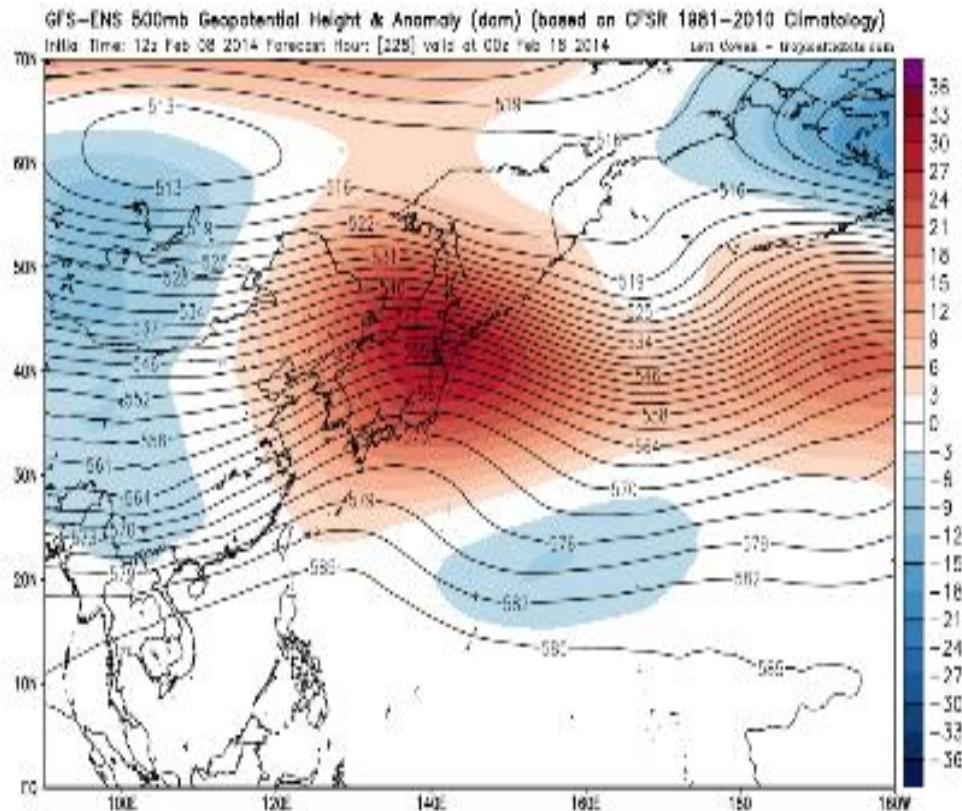


Temperature forecasts from the National Centers for Environmental Prediction.
Normal Temperature derived from CRU monthly climatology for 1901-2000
Forecast Initialization Time: 12Z11FEB2014

Arctic Cold to Abruptly End in Mid February, Return in March

By Andre at 4:24 PM Feb 8 2014

It's looking like we will see the recent Arctic cold come to a quick end in mid-February.



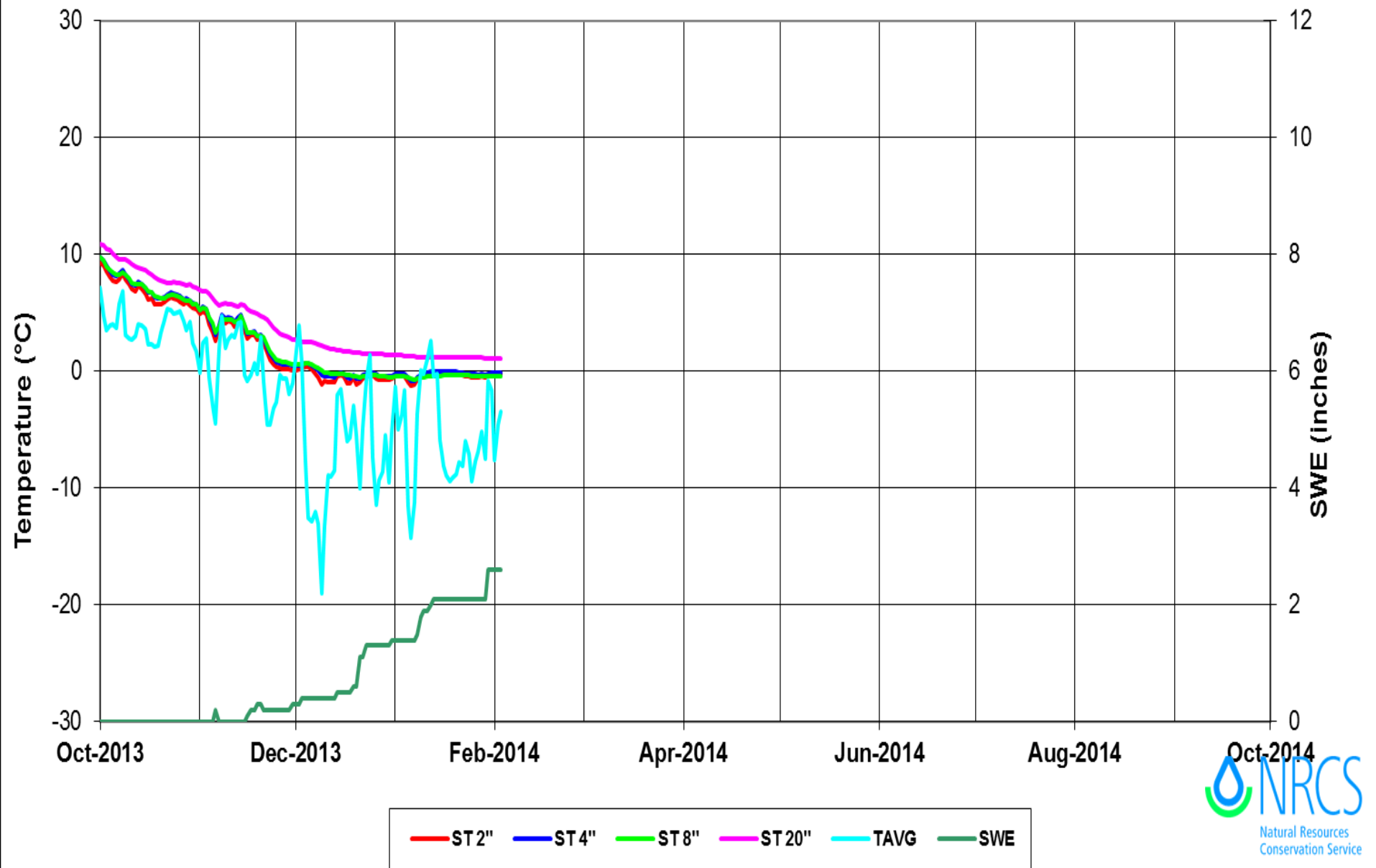
The image above shows the GFS Ensemble 500mb height anomaly forecast for February 17th over the western Pacific.



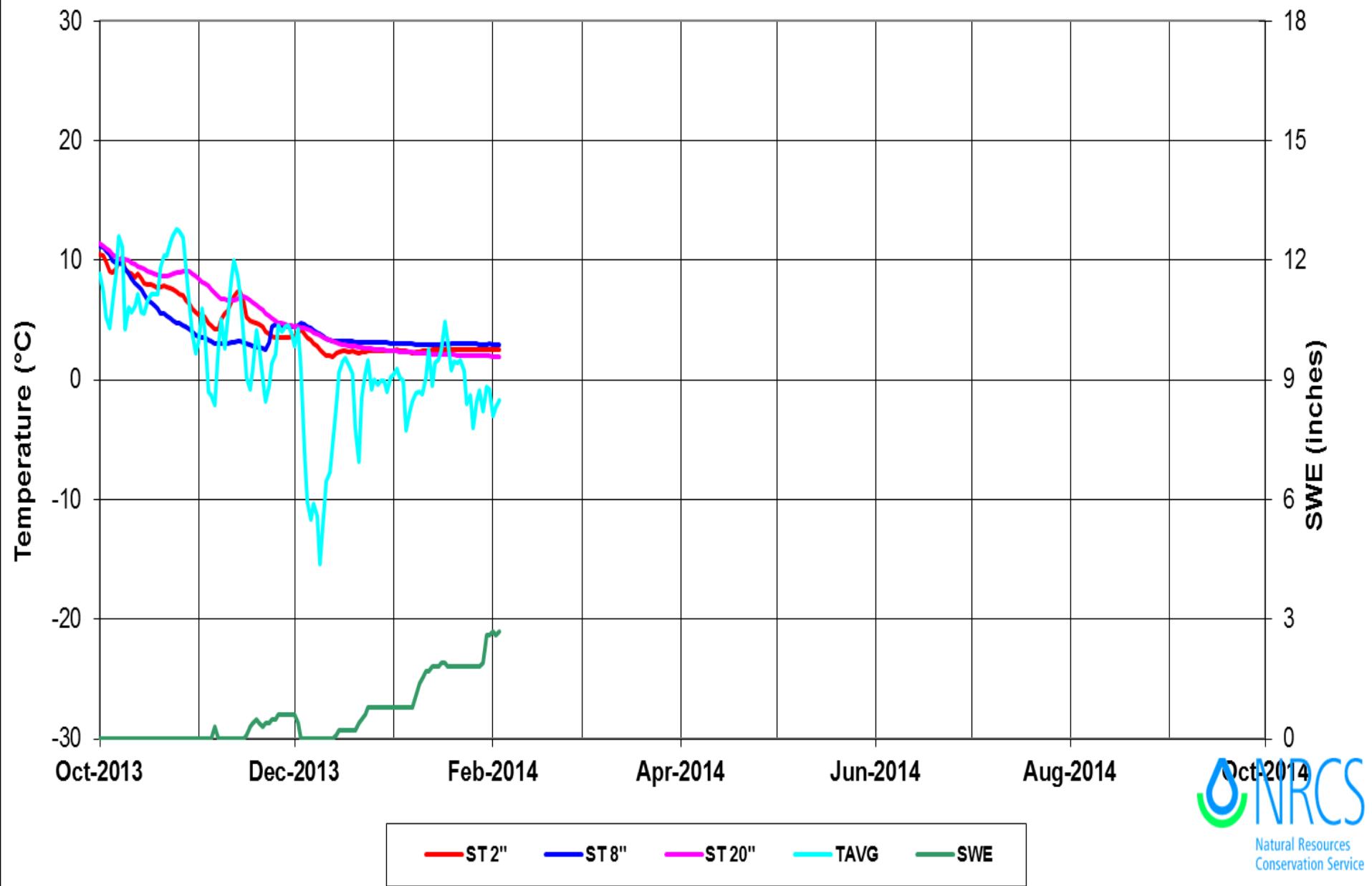
**Dry Creek
Watershed Jan 26,
2014
Boise Foothills
(3800-4800 ft)
After 2 Week
Inversion**



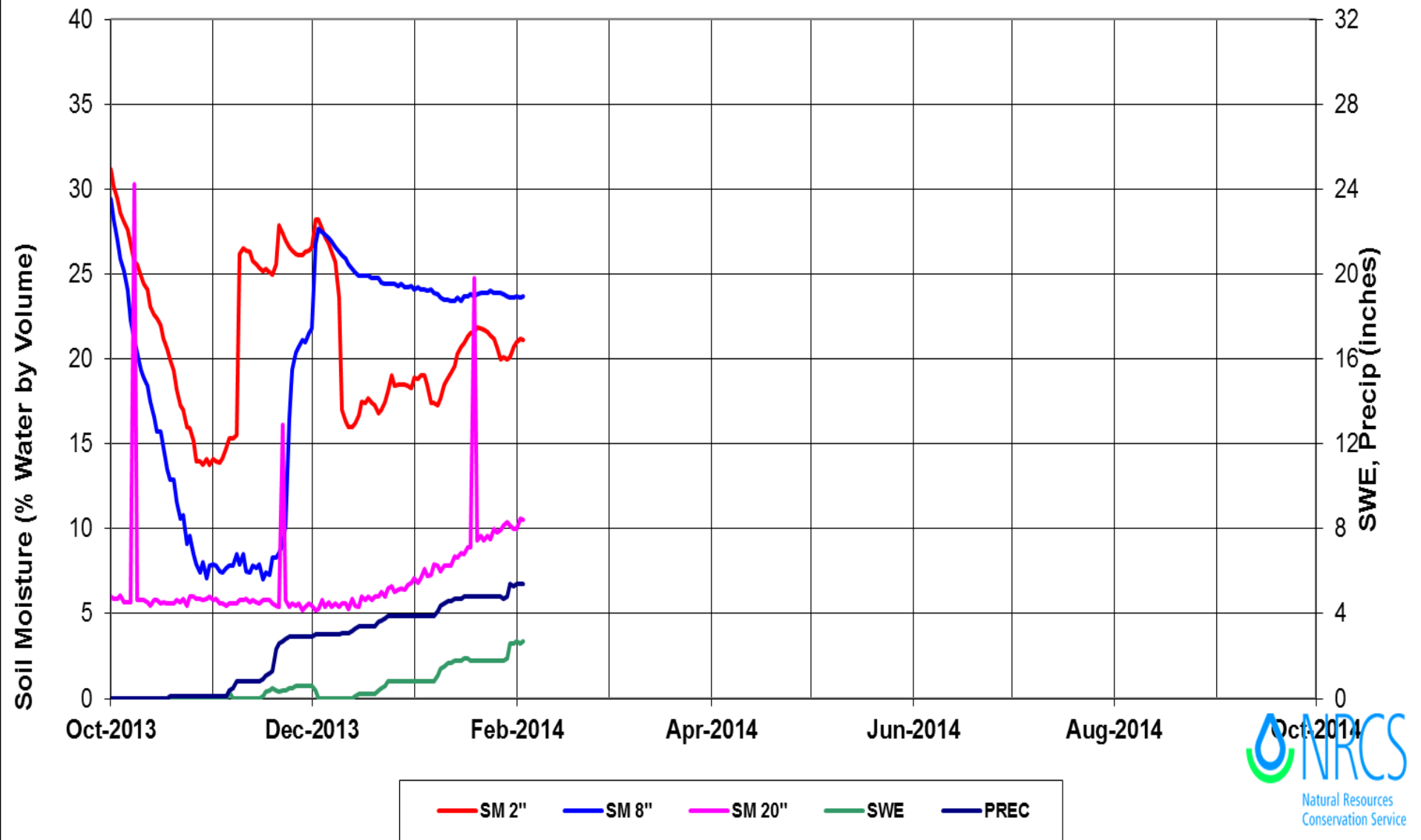
Long Valley Soil and Air Temperature - Water Year 2014



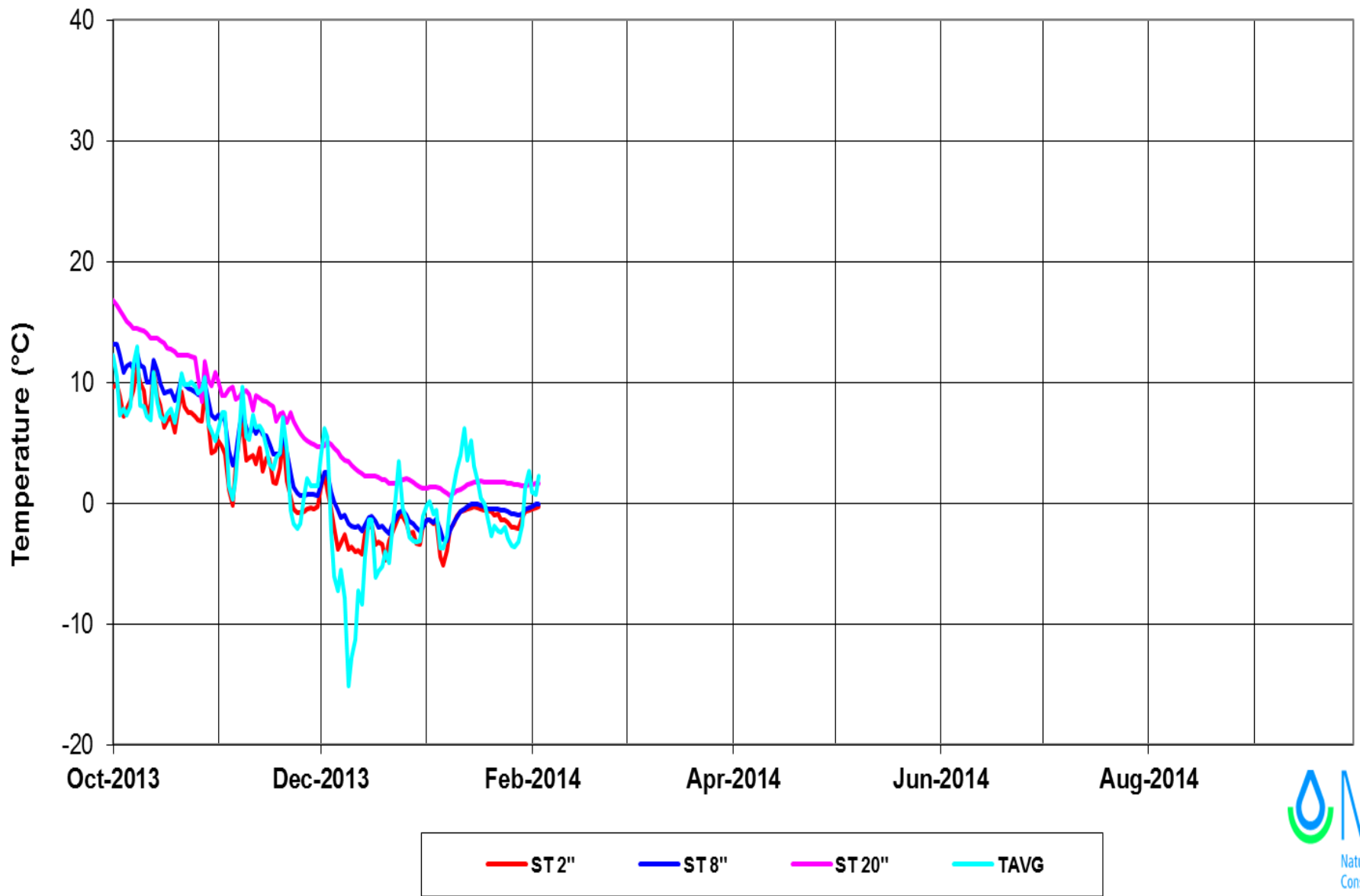
Van Wyck Soil and Air Temperature - Water Year 2014



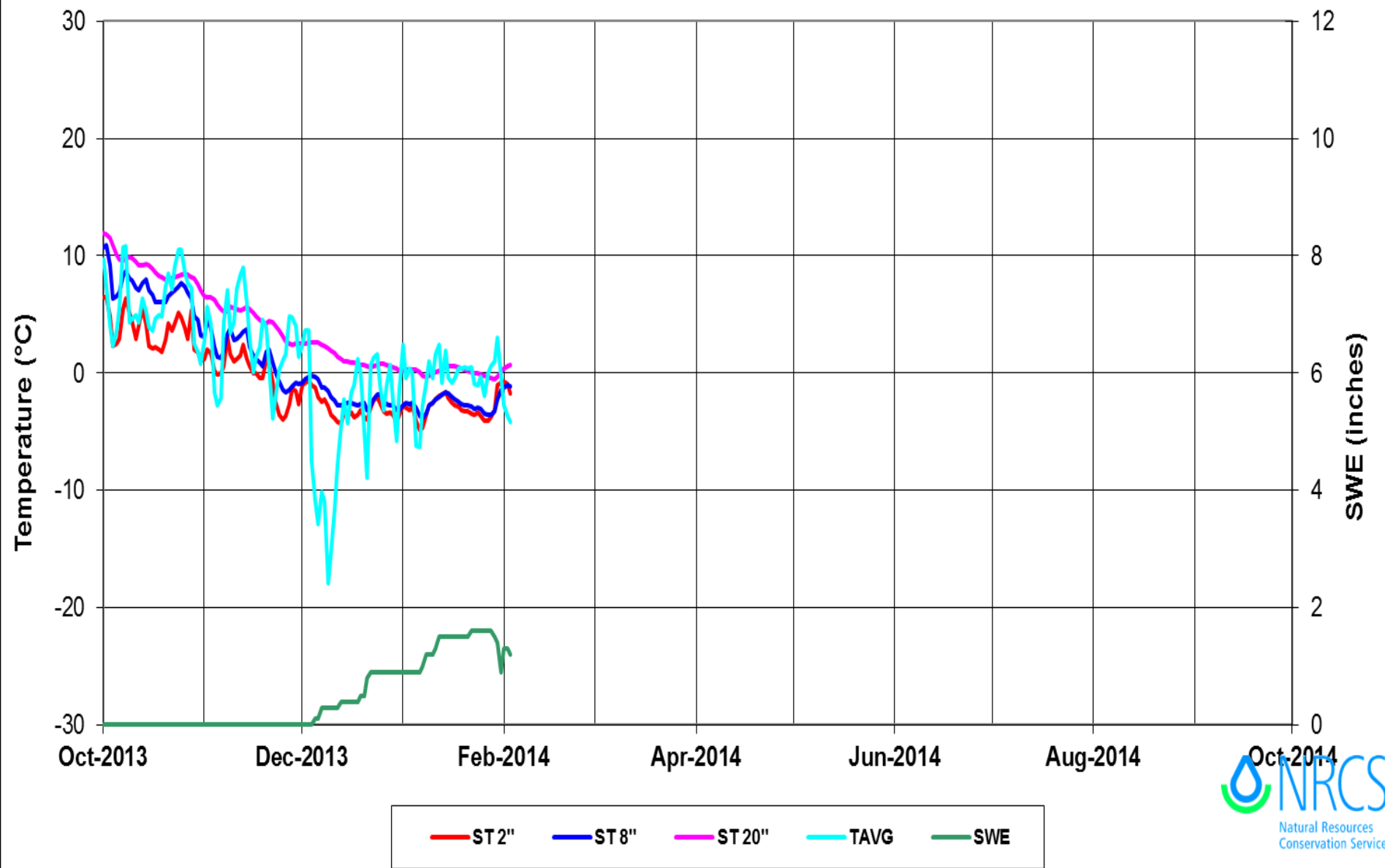
Van Wyck Soil Moisture - Water Year 2014



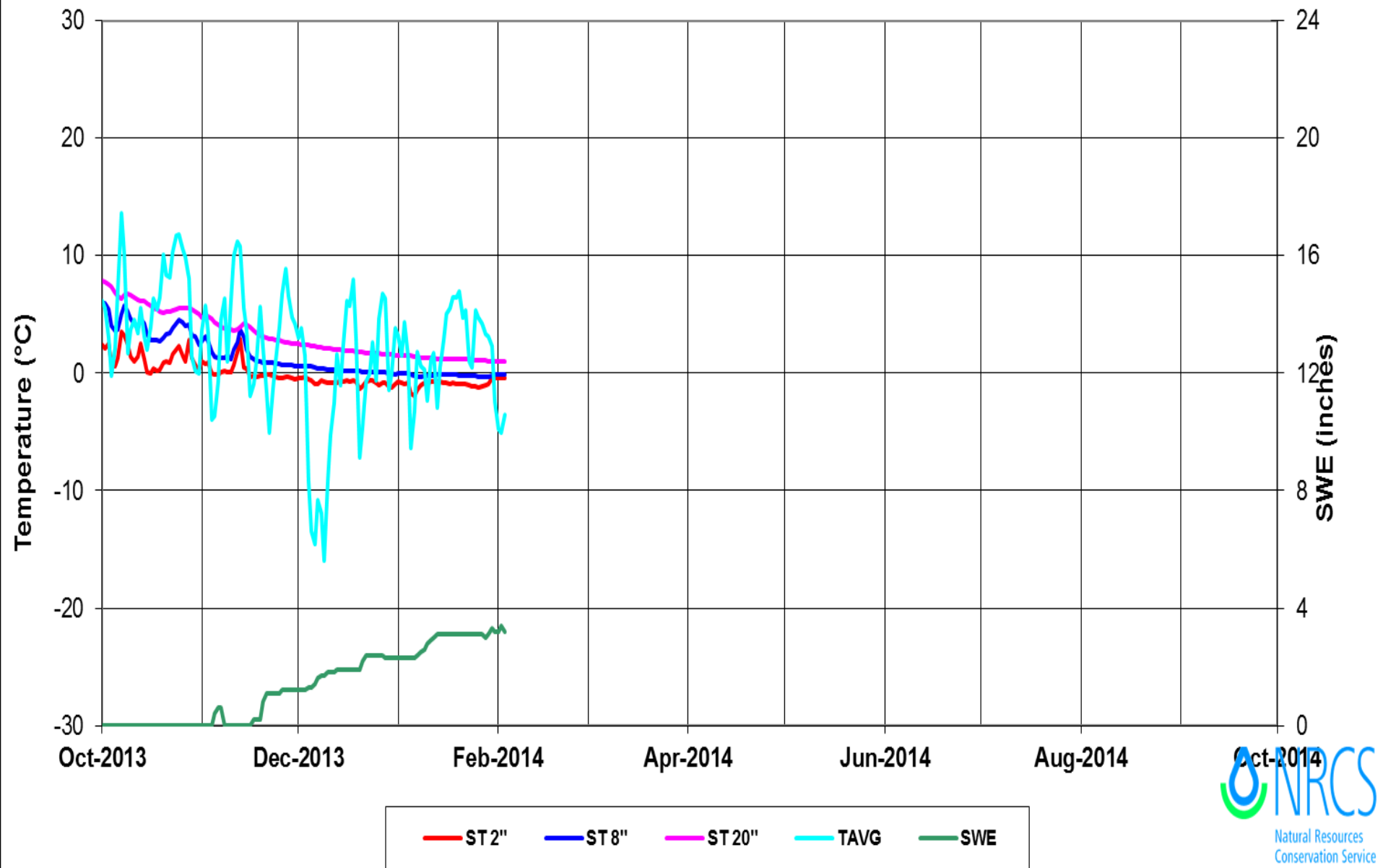
Orchard Range Soil and Air Temperature - Water Year 2014



Mud Flat Soil and Air Temperature - Water Year 2014



South Mountain Soil and Air Temperature - Water Year 2014



Natural Resources Conservation Service

Idaho Water Supply Outlook Report

February 1, 2014



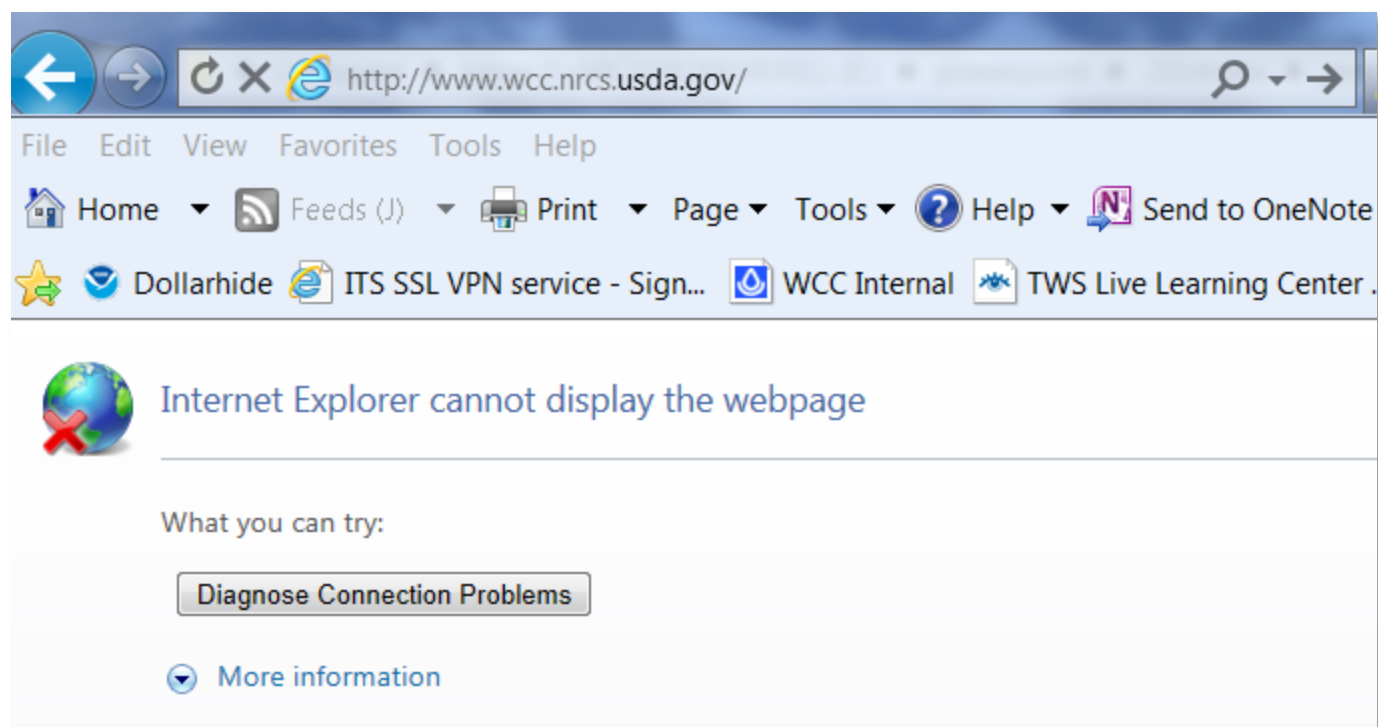
Part II

Where's the Snow?

Above and Below the Treasure Valley's Inversion – January 19th

Website Update - January 2014

We have been making progress fixing broken links on our website this month. We apologize for any inconvenience the website construction has caused. If you are having problems locating information please contact our staff at: IDBOISE-NRCS-SNOW@one.usda.gov

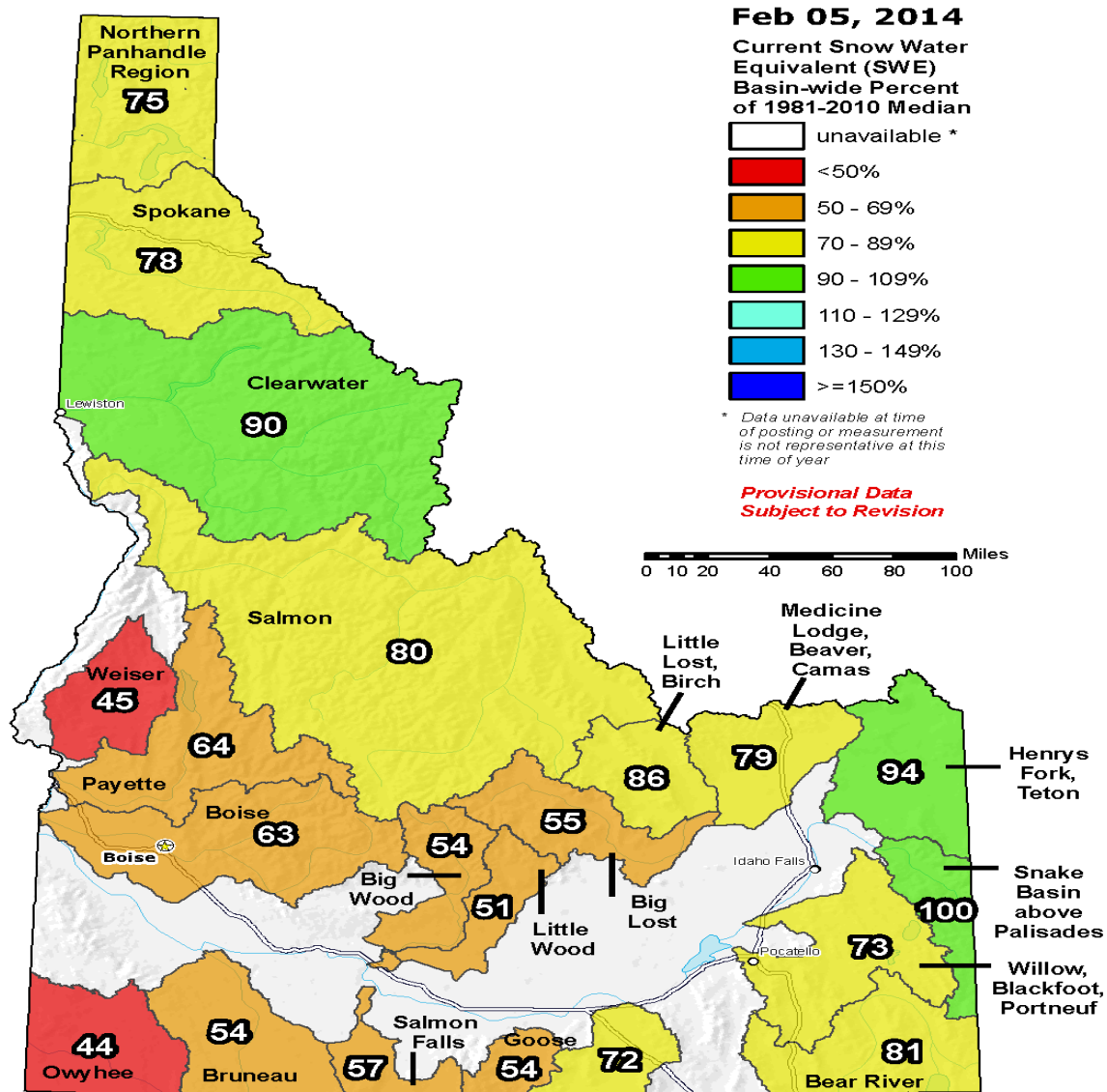




Draft Assessing Our Future

The Natural Resources Conservation Service in Idaho is looking to reduce snow survey program costs while still providing a high level of service. We are seeking ideas to optimize the snow survey data collection network and forecasting operations as well as the water supply products we provide. Over the next year, we will assess the Idaho program to improve efficiency. Your input can help us determine where to focus efforts in the future.

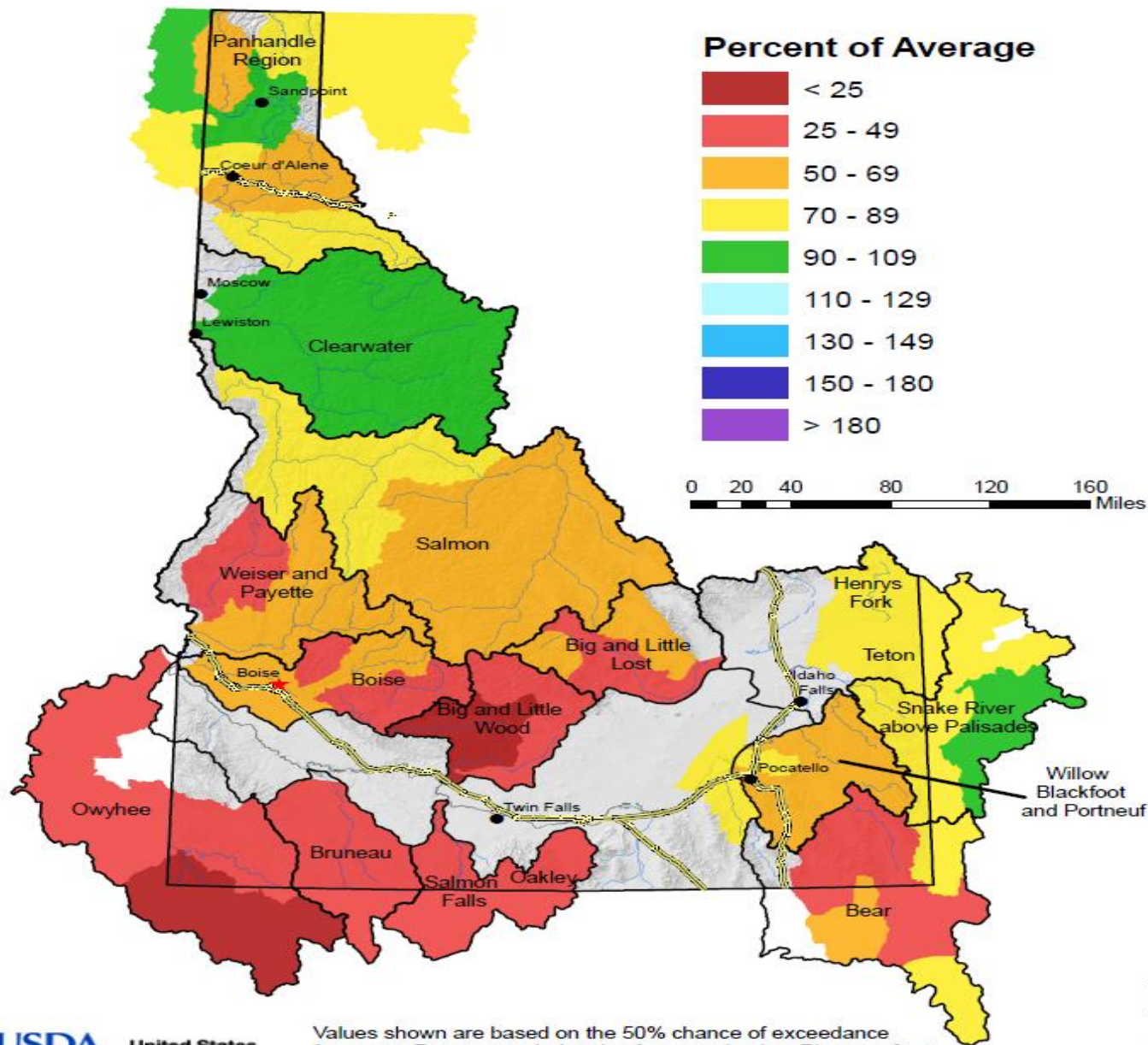
Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



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 the USDA/NRCS National Water and Climate Center
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>
Science contact: Jim.Marron@por.usda.gov 503 414 3047

February 1, 2014 NRCS April - July Streamflow Forecasts

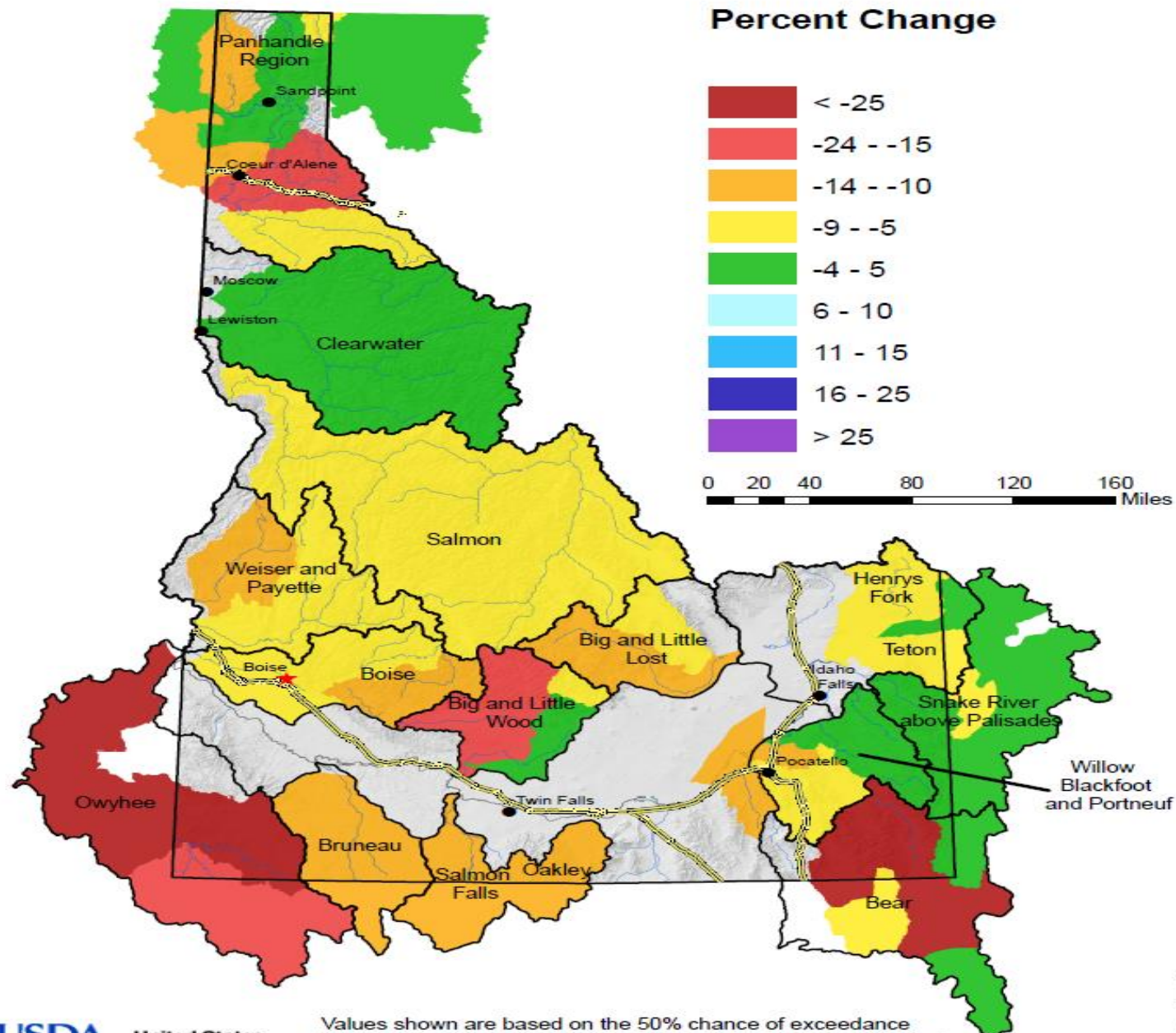


United States
Department of
Agriculture

Values shown are based on the 50% chance of exceedance forecasts. Forecast period varies for some basins. Please refer to the Water Supply Outlook Report for more details regarding these forecasts.
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/id/snow/>



Change in Streamflow Forecasts from Jan. 1 - Feb. 1, 2014



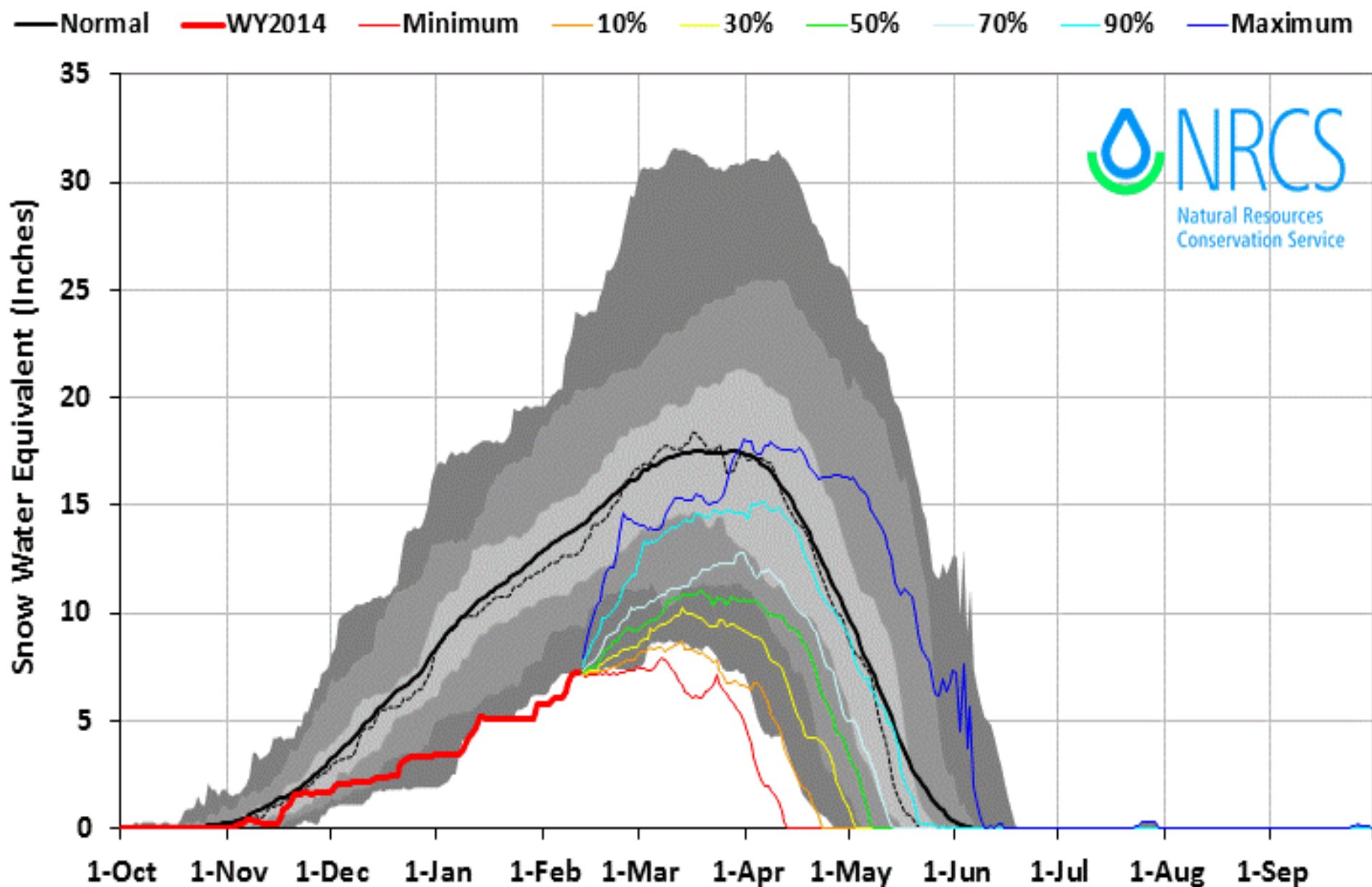
United States
Department of
Agriculture

Values shown are based on the 50% chance of exceedance forecasts. Forecast period varies for some basins. Please refer to the Water Supply Outlook Report for more details regarding these forecasts.
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/id/snow/>



Weiser Basin 2014 Snow Water with Non-Exceedence Projections (4 sites)

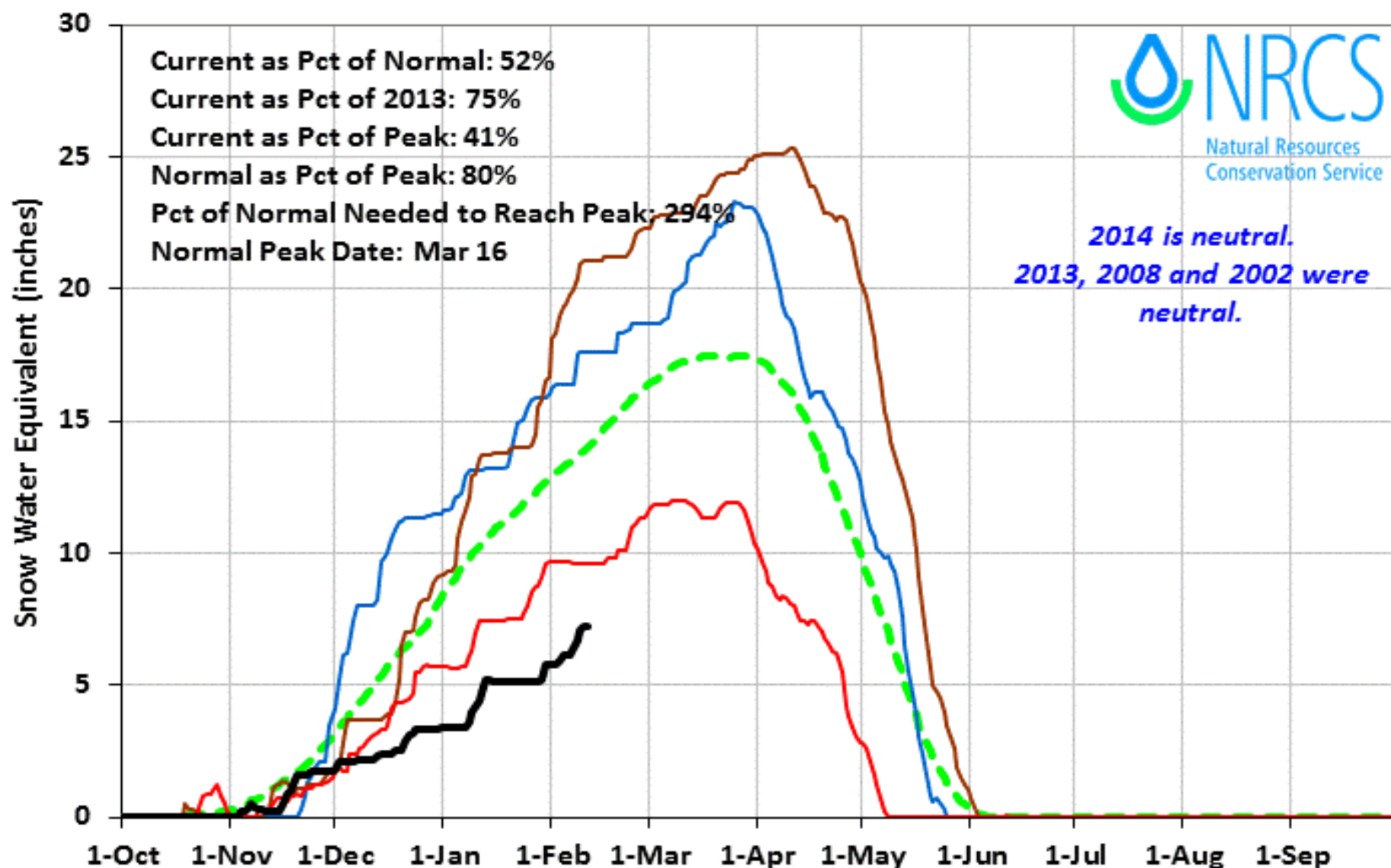
Based on Provisional SNOTEL data as of Feb 11, 2014



Weiser Basin 2014 Snowpack Comparison Graph (4 sites)

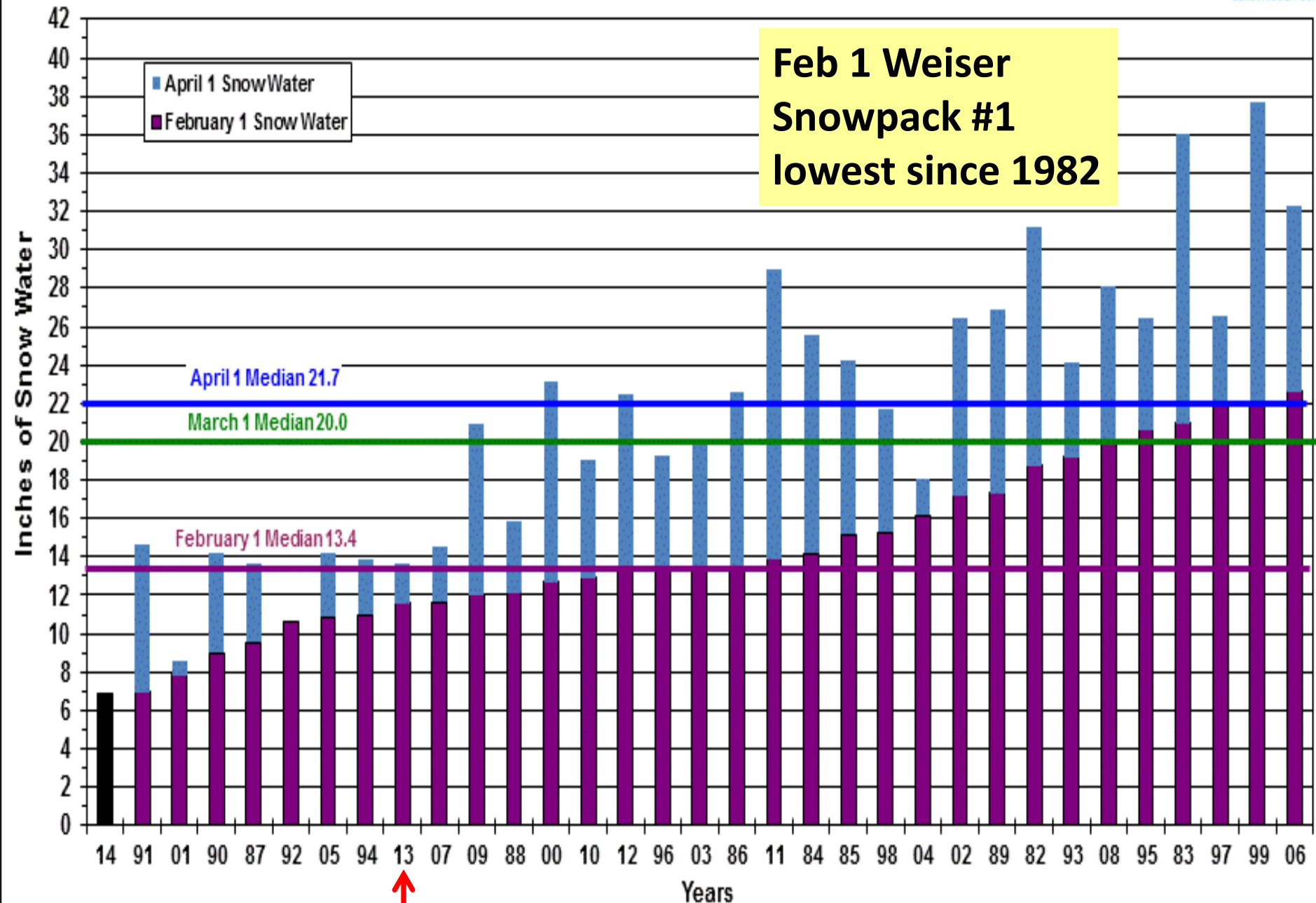
Based on Provisional SNOTEL data as of Feb 11, 2014

Normal WY2002 WY2008 WY2013 WY2014



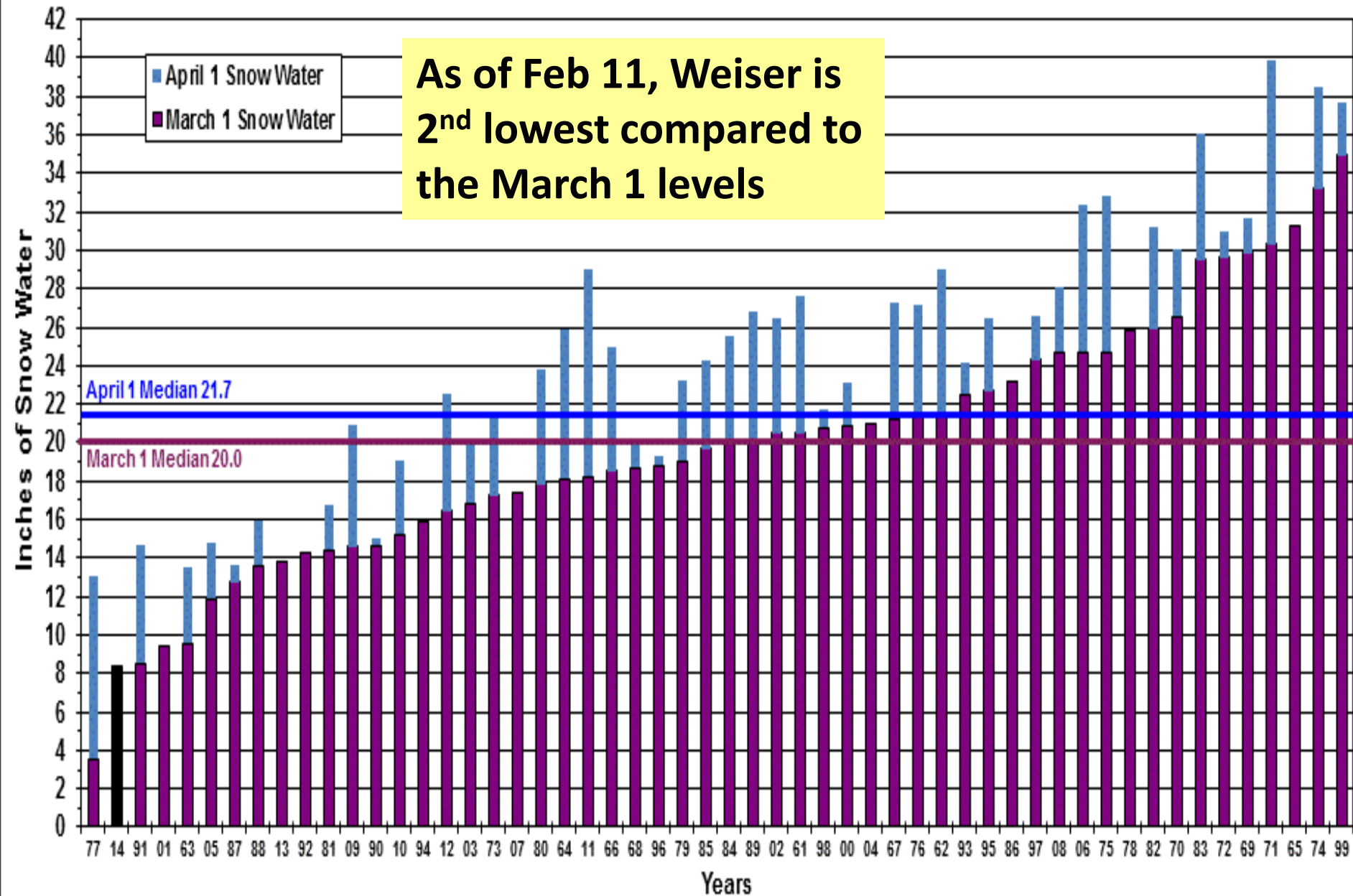
February 1 Weiser Basin 3 Station Snow Index for Years 1982 - 2014

Bear Saddle, Squaw Flat, West Branch SNOTEL Sites



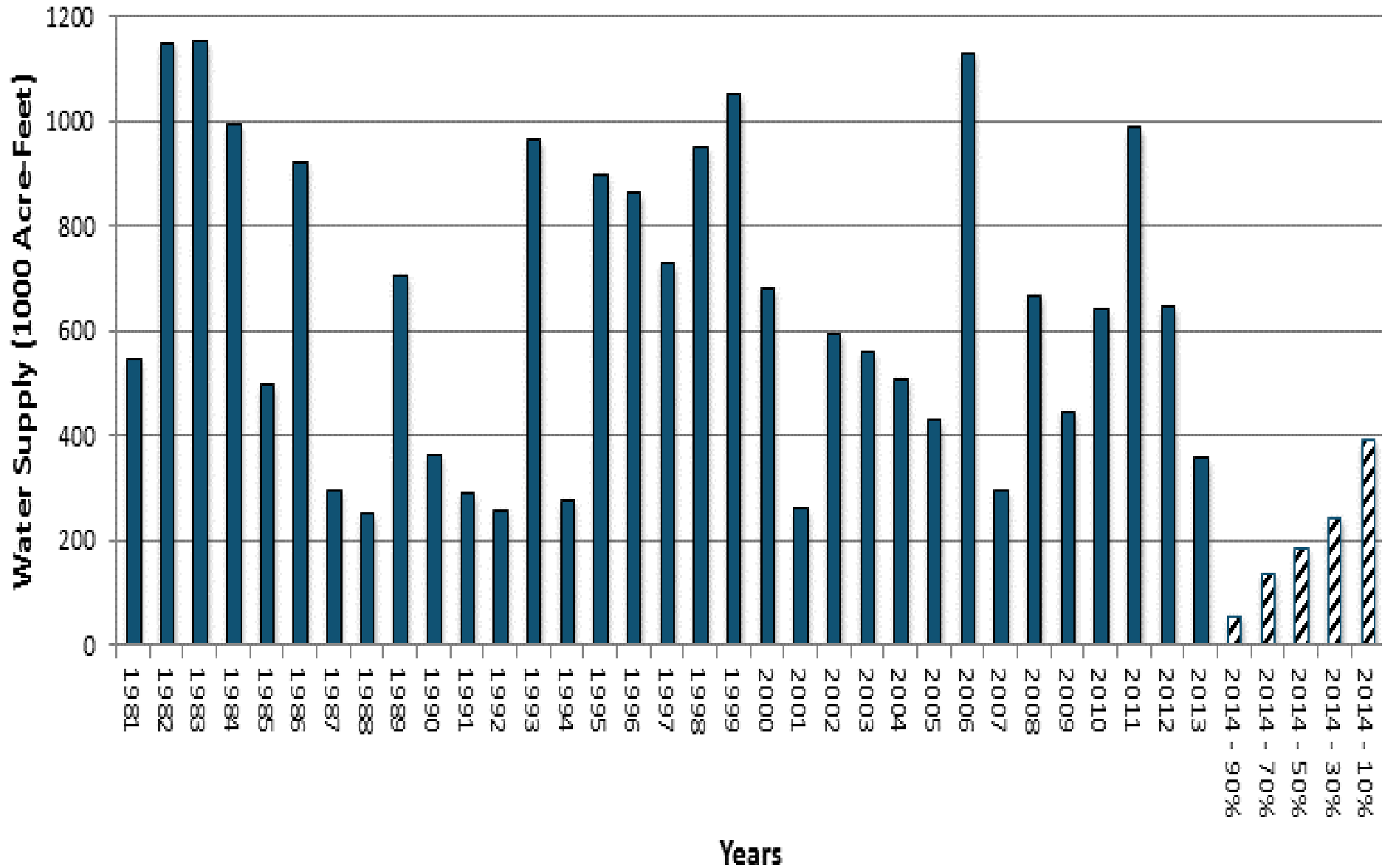
March 1 Weiser Basin 3 Station Snow Index for Years 1961 - 2014

Bear Saddle, Squaw Flat, West Branch



Feb 1 Historic and Forecasted Surface Water Supply Weiser River Basin

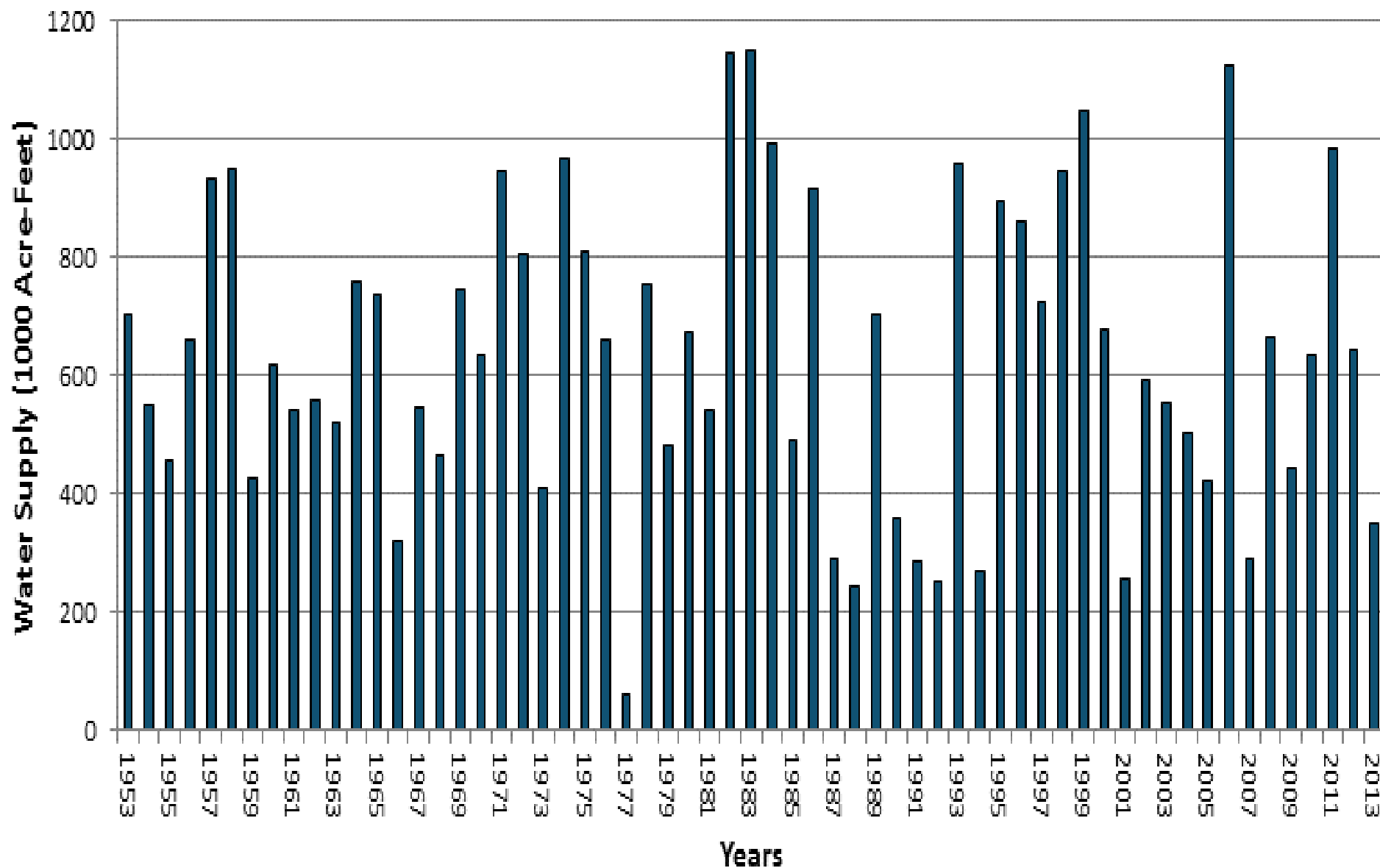
■ Weiser R nr Weiser



Feb 1 Surface Water Supply Index (SWSI)

Weiser River Basin

■ Weiser R nr Weiser





RECLAMATION

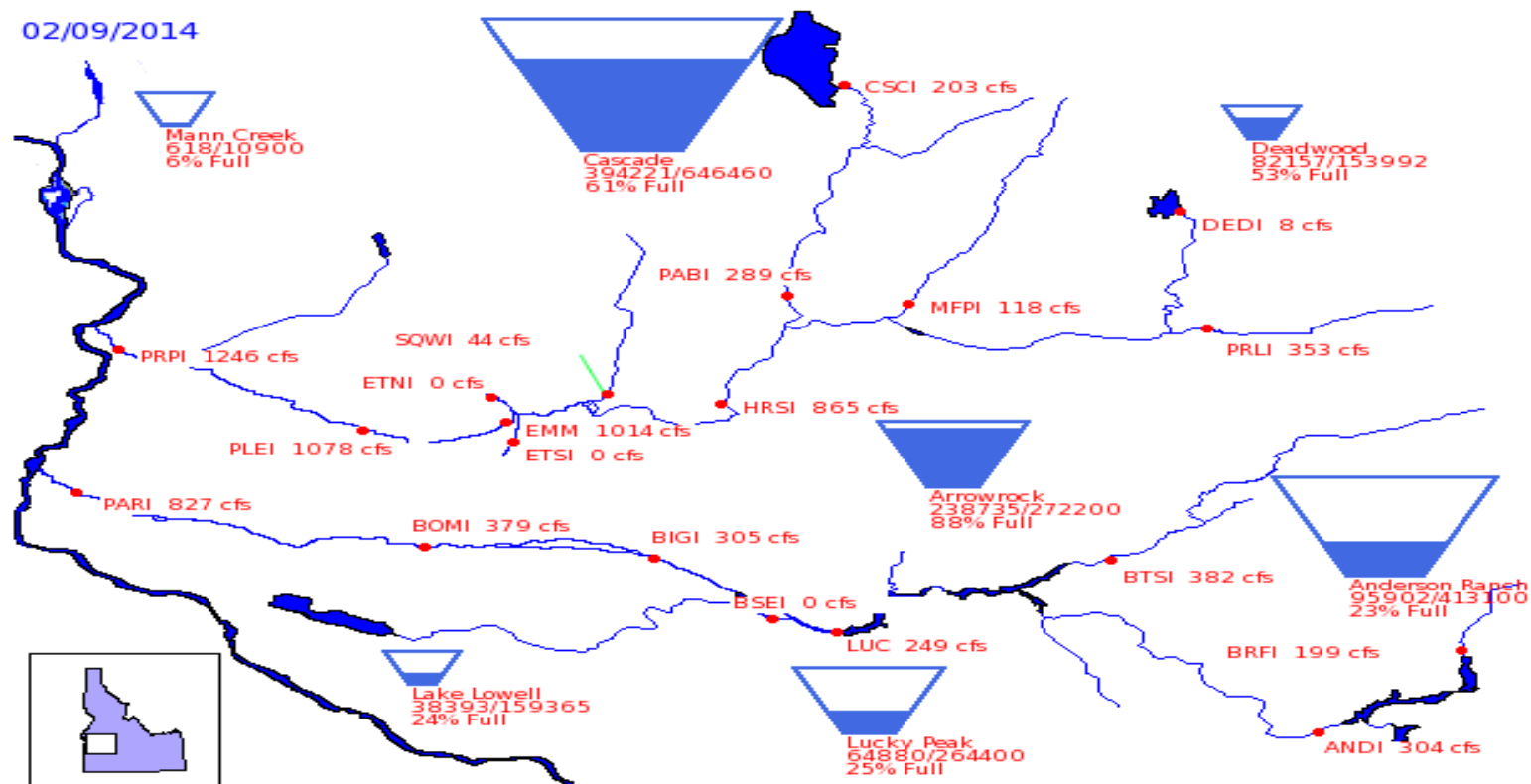
Pacific Northwest Region *Managing Water in the West*

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Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in the Boise & Payette River Basins

02/09/2014



PROVISIONAL DATA - SUBJECT TO CHANGE!

Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 42 % of capacity.

Total space available: 550183 AF
 Total storage capacity: 949700 AF
 Natural Flow: 1003 CFS

Payette River system (Cascade, Deadwood) is at 60 % of capacity.

Total space available: 324074 AF
 Total storage capacity: 800452 AF
 Natural Flow: 933 CFS

Payette Basin 2014 Snowpack Comparison Graph (11 sites)

Based on Provisional SNOTEL data as of Feb 03, 2014

Normal WY2002 WY2008 WY2013 WY2014

Current as Pct of Normal: 61%

Current as Pct of 2013: 71%

Current as Pct of Peak: 42%

Normal as Pct of Peak: 68%

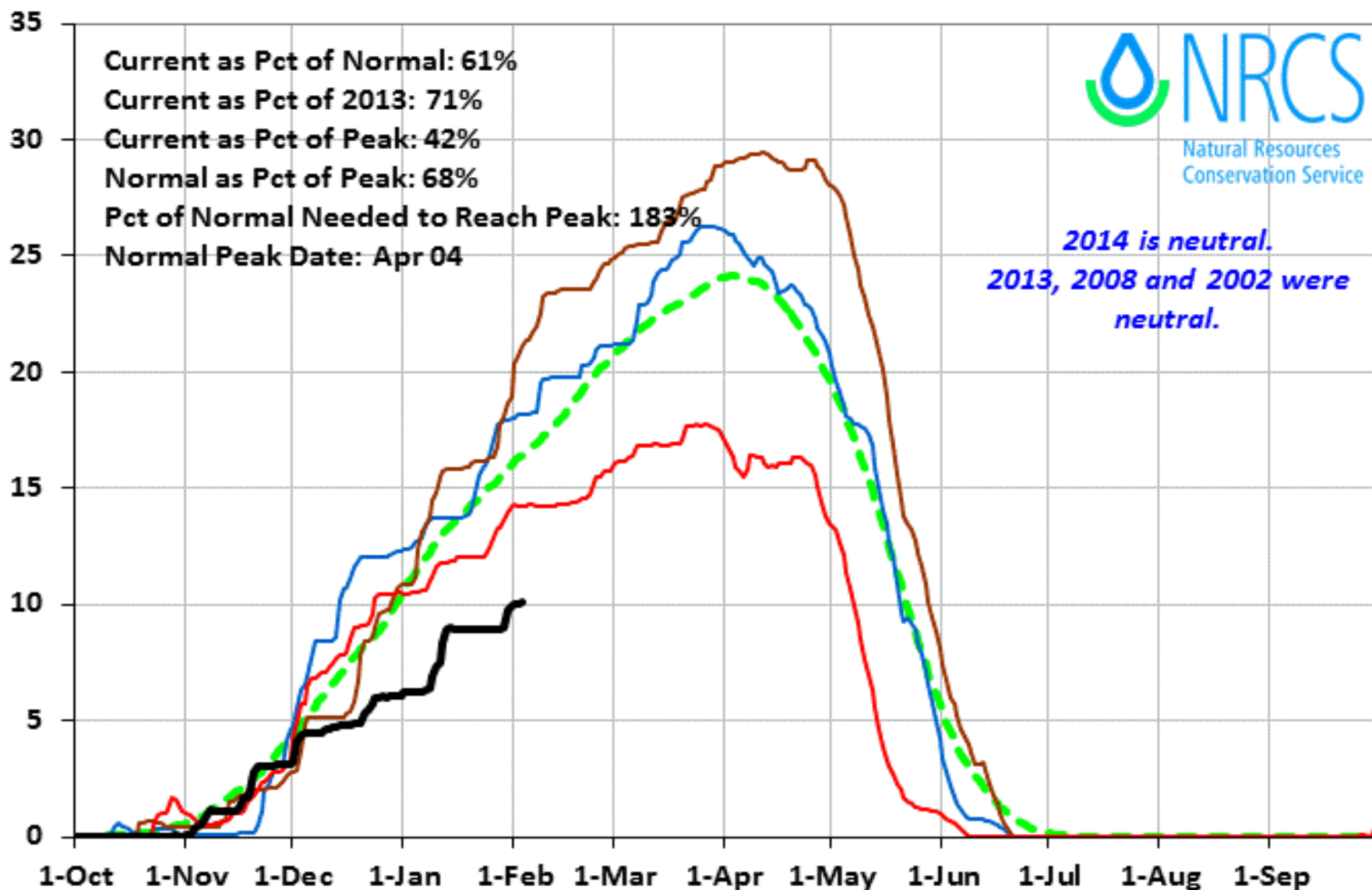
Pct of Normal Needed to Reach Peak: 183%

Normal Peak Date: Apr 04



*2014 is neutral.
2013, 2008 and 2002 were neutral.*

Snow Water Equivalent (inches)



Payette Basin 2014 Snowpack Comparison Graph (11 sites)

Based on Provisional SNOTEL data as of Feb 11, 2014

Normal WY2002 WY2008 WY2013 WY2014

Current as Pct of Normal: 70%

Current as Pct of 2013: 86%

Current as Pct of Peak: 51%

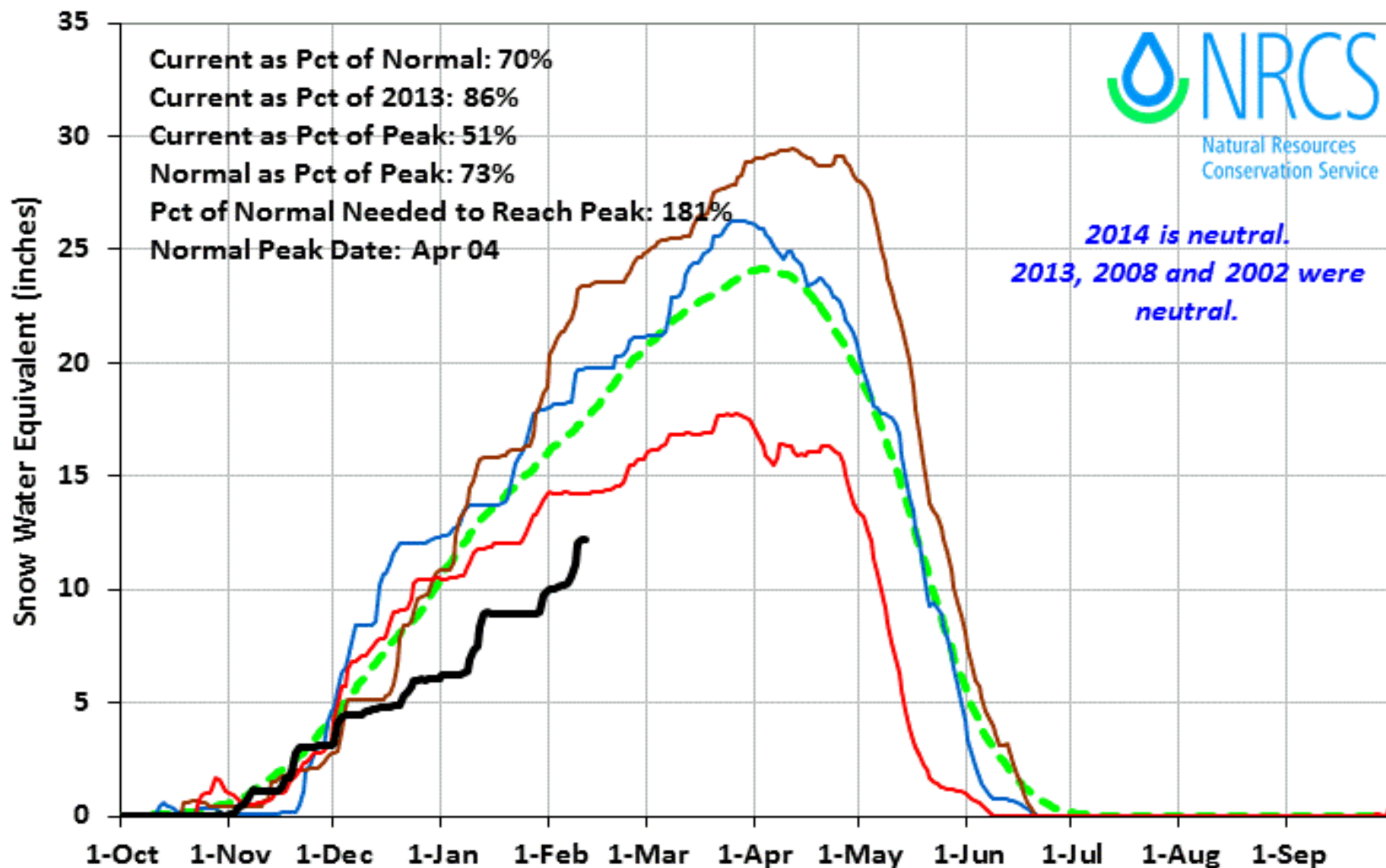
Normal as Pct of Peak: 73%

Pct of Normal Needed to Reach Peak: 181%

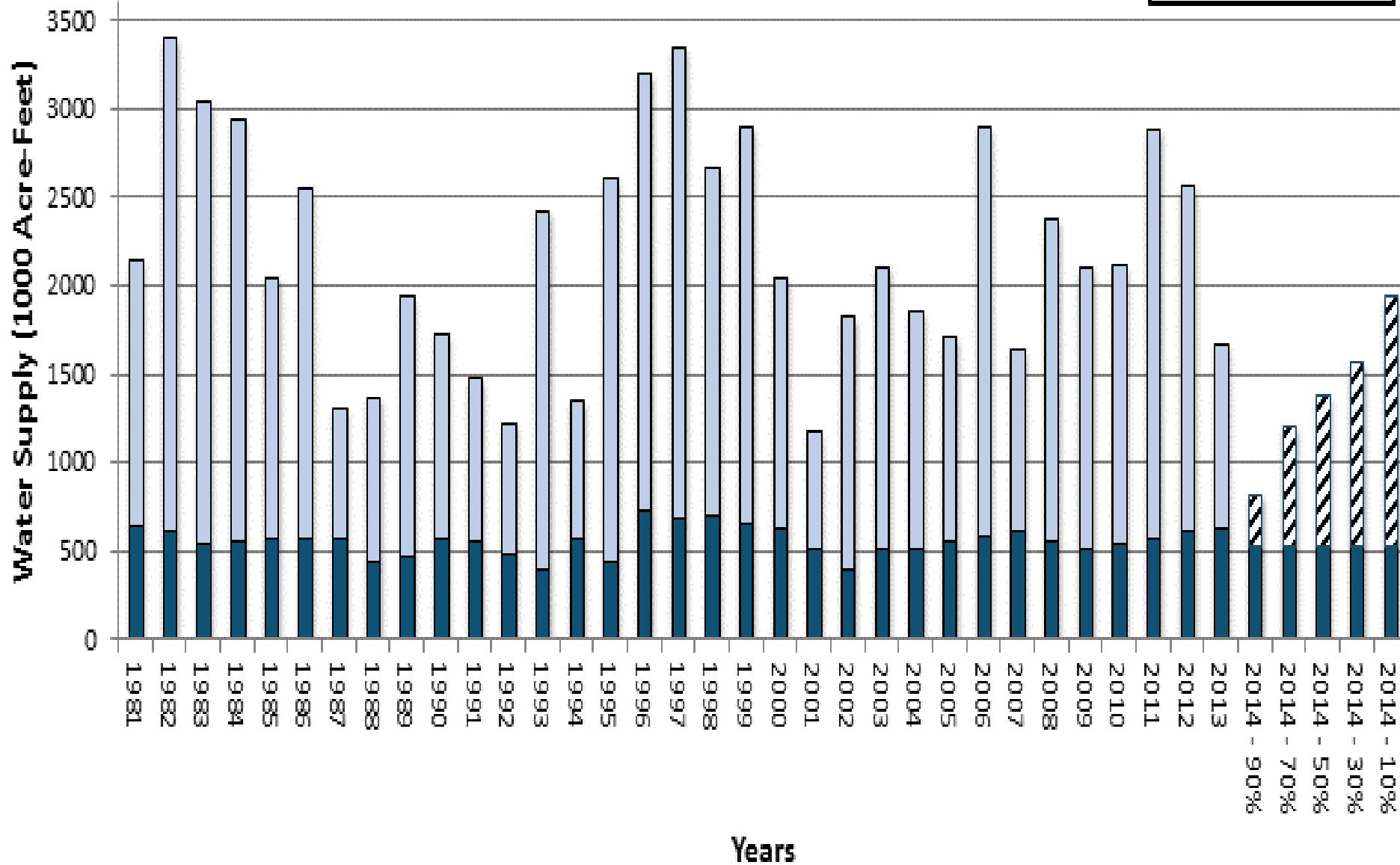
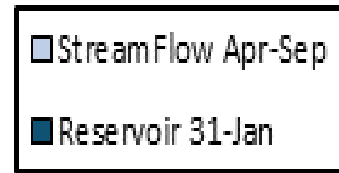
Normal Peak Date: Apr 04



*2014 is neutral.
2013, 2008 and 2002 were
neutral.*



Feb 1 Historic and Forecasted Surface Water Supply Payette River Basin





RECLAMATION

Pacific Northwest Region

*Managing Water in the West*Search Reclamation

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Boise River AND+ARK+LUC

- Current Year
- Previous Year
- Average



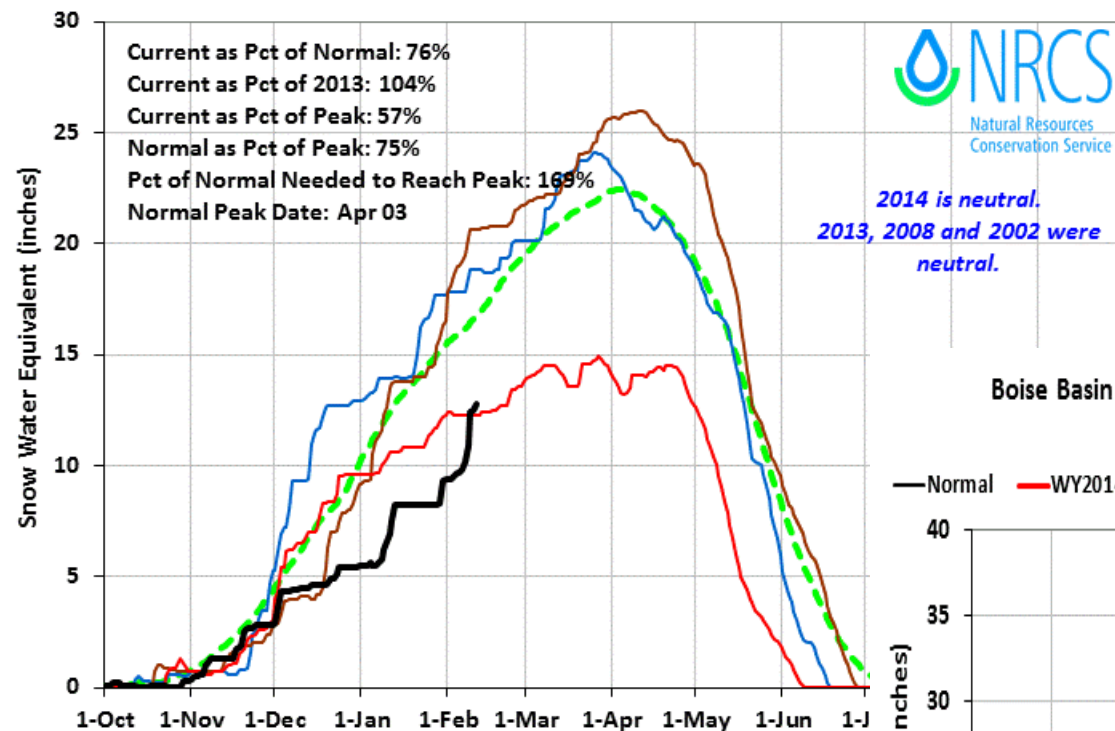
02/10/2014 05:44

PROVISIONAL DATA - SUBJECT TO CHANGE!

Boise Basin 2014 Snowpack Comparison Graph (10 sites)

Based on Provisional SNOTEL data as of Feb 11, 2014

Normal WY2002 WY2008 WY2013 WY2014

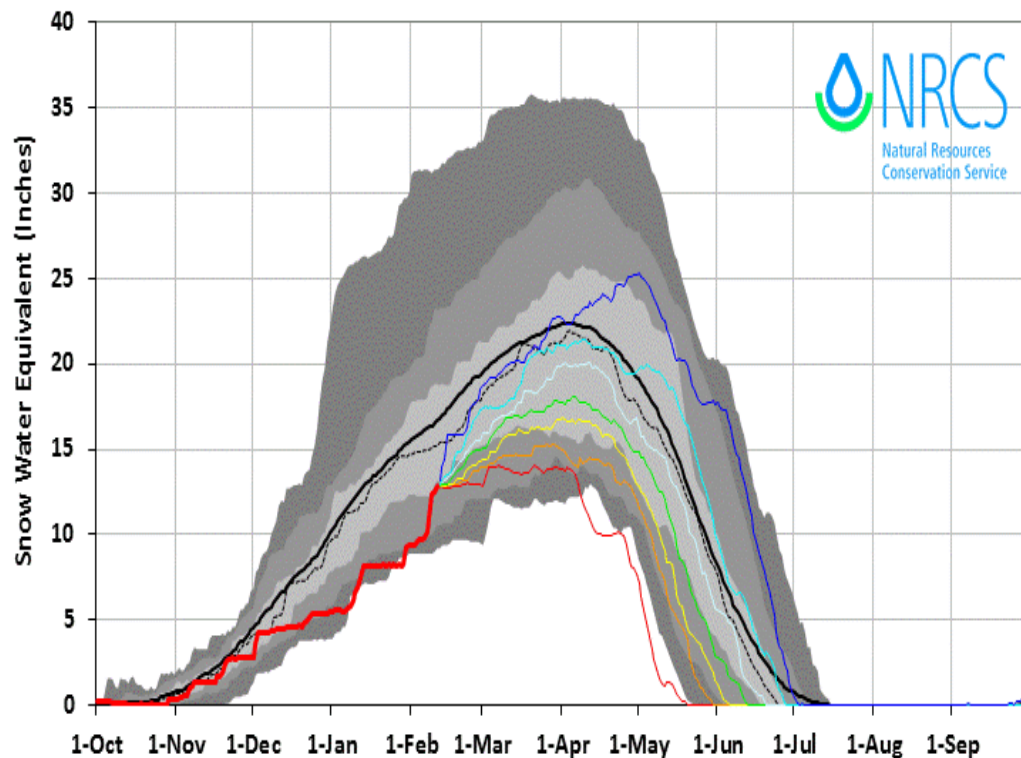


2014 is neutral.
2013, 2008 and 2002 were neutral.

Boise Basin 2014 Snow Water with Non-Exceedence Projections (10 sites)

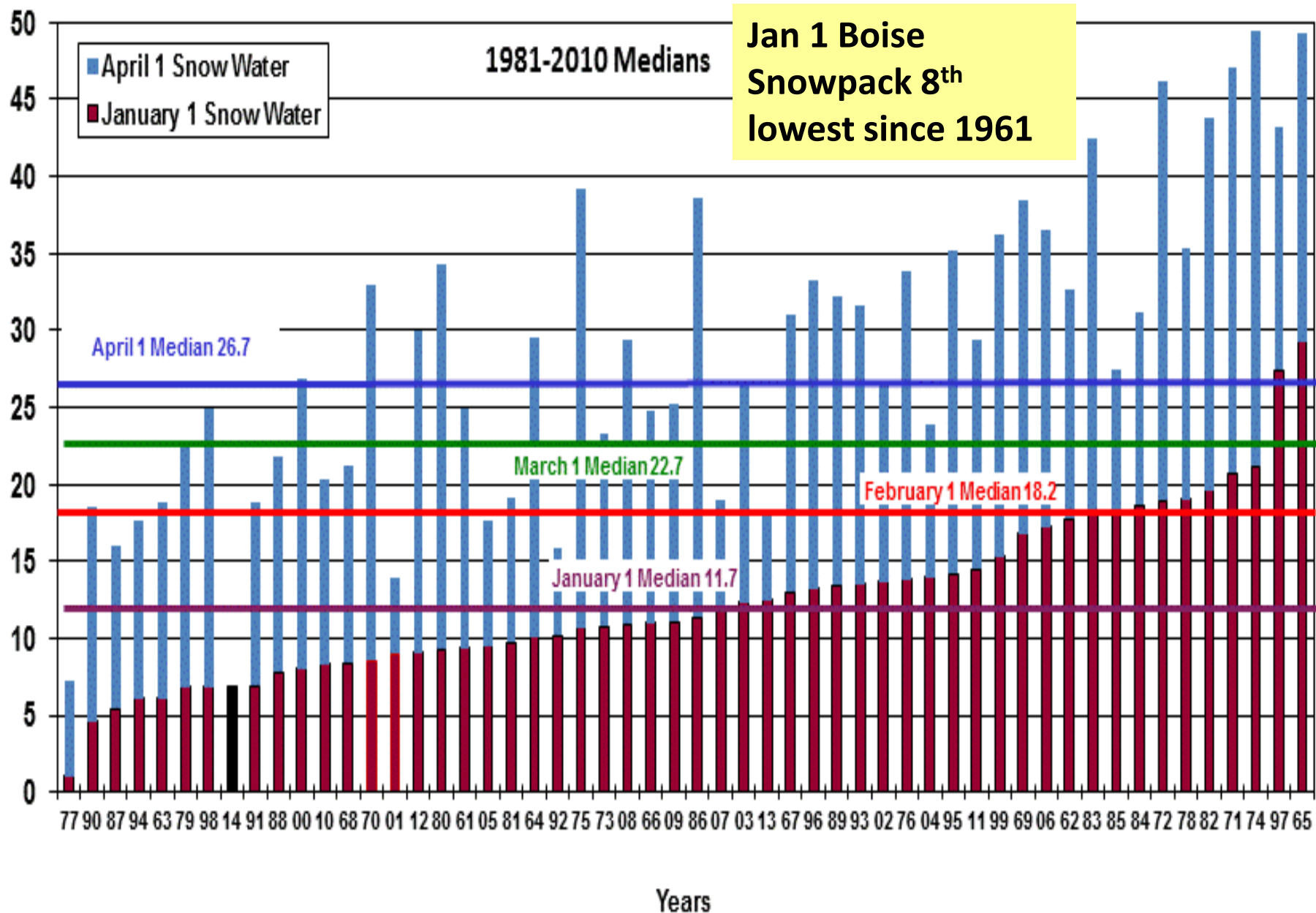
Based on Provisional SNOTEL data as of Feb 11, 2014

Normal WY2014 Minimum 10% 30% 50% 70% 90% Maximum



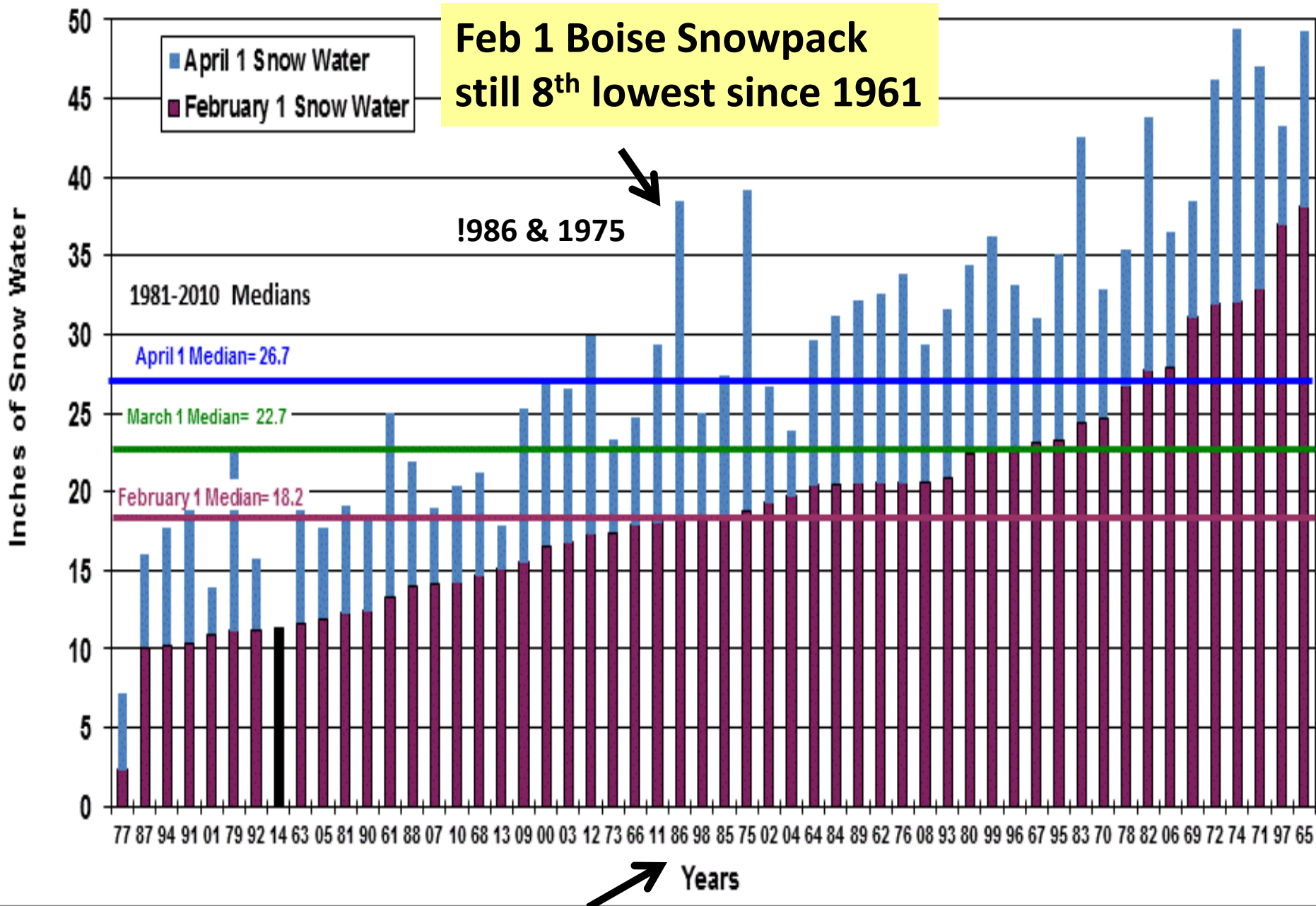
Boise Basin 7 Station Snow Index for Years 1961 - Jan 2014

Atlanta, Dollarhide, Graham, Jackson, Mores Creek, Trinity Mountain, Vienna Mine

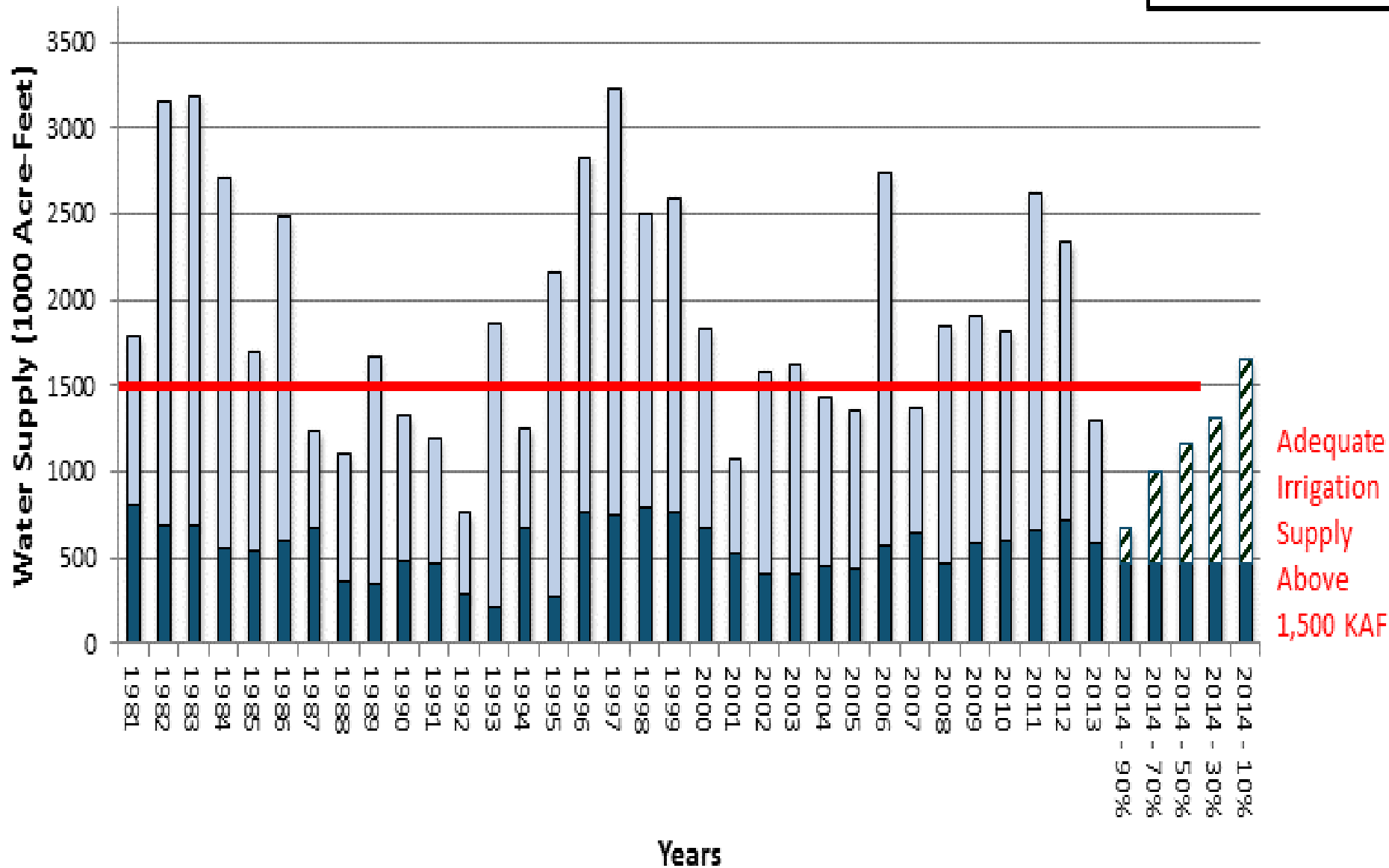
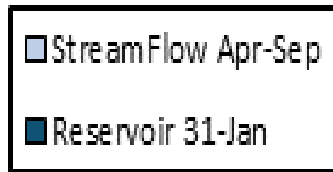


Boise Basin 7 Station Snow Index for Years 1961 - Feb 2014

Atlanta, Dollarhide, Graham, Jackson, Mores Creek, Trinity Mountain, Vienna Mine



Feb 1 Historic and Forecasted Surface Water Supply Boise River Basin





RECLAMATION

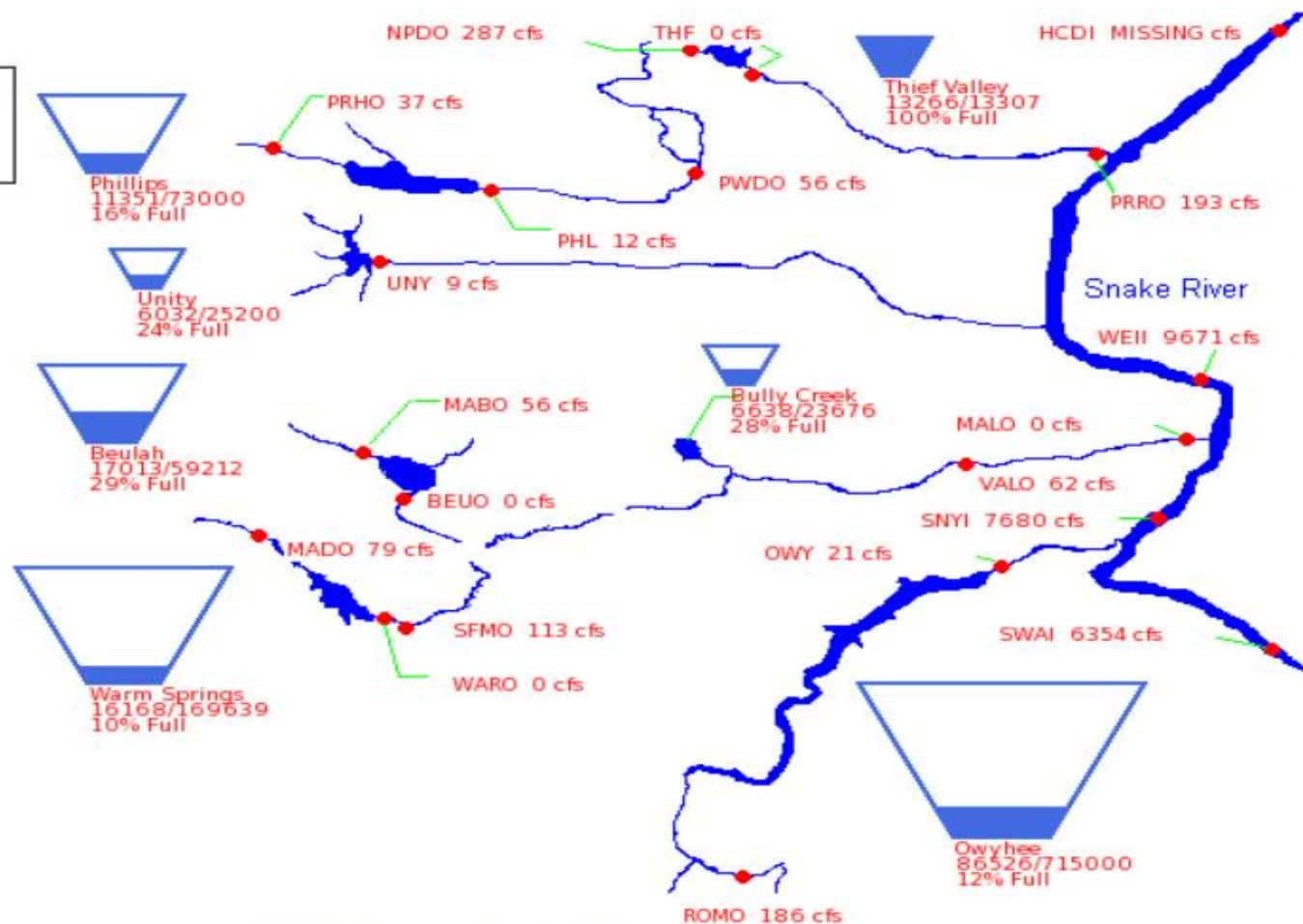
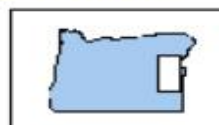
Pacific Northwest Region

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US Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in Southeastern Oregon

02/10/2014



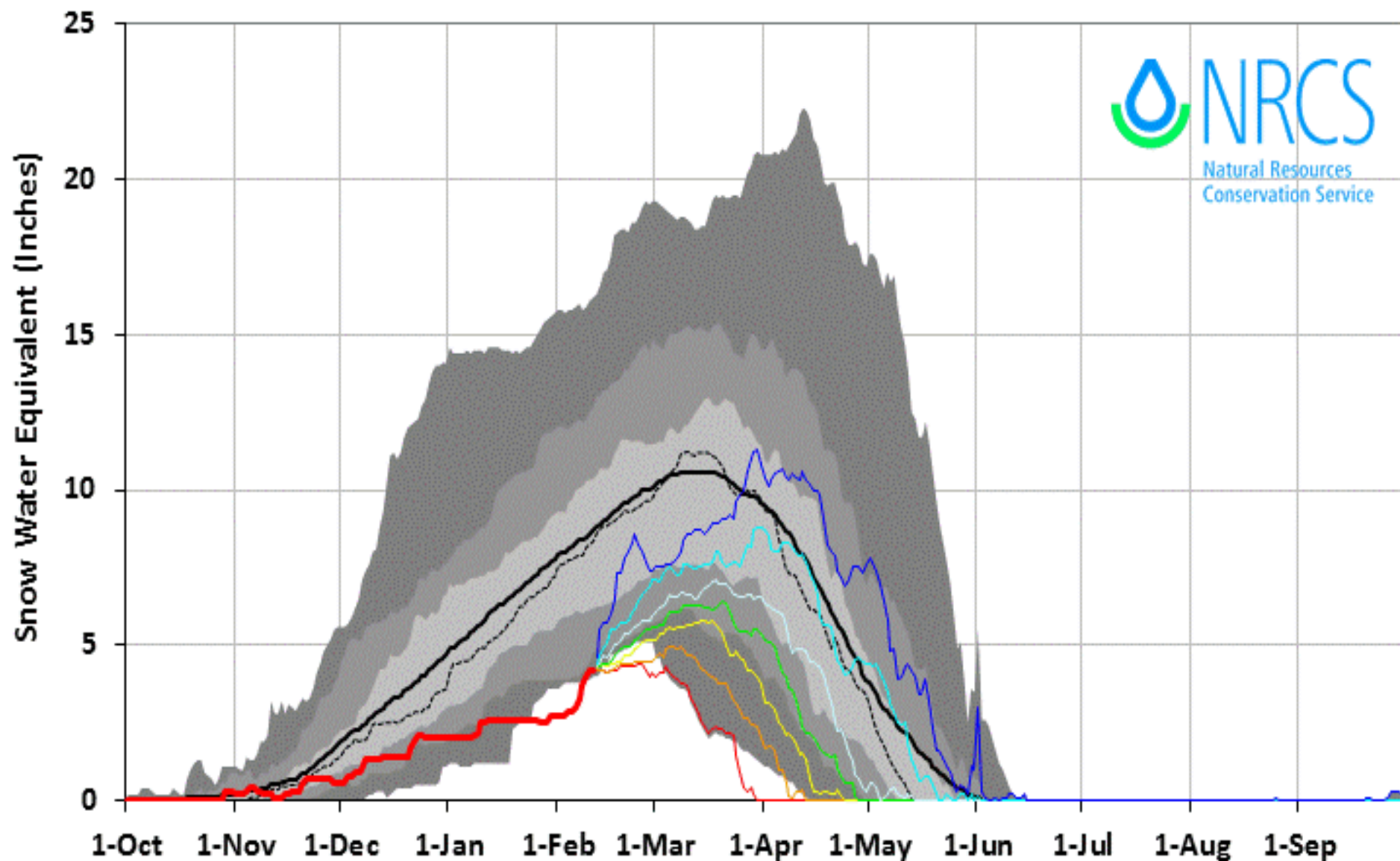
PROVISIONAL DATA - SUBJECT TO CHANGE!

Average daily streamflows indicated in cubic feet per second

Owyhee Basin 2014 Snow Water with Non-Exceedence Projections (7 sites)

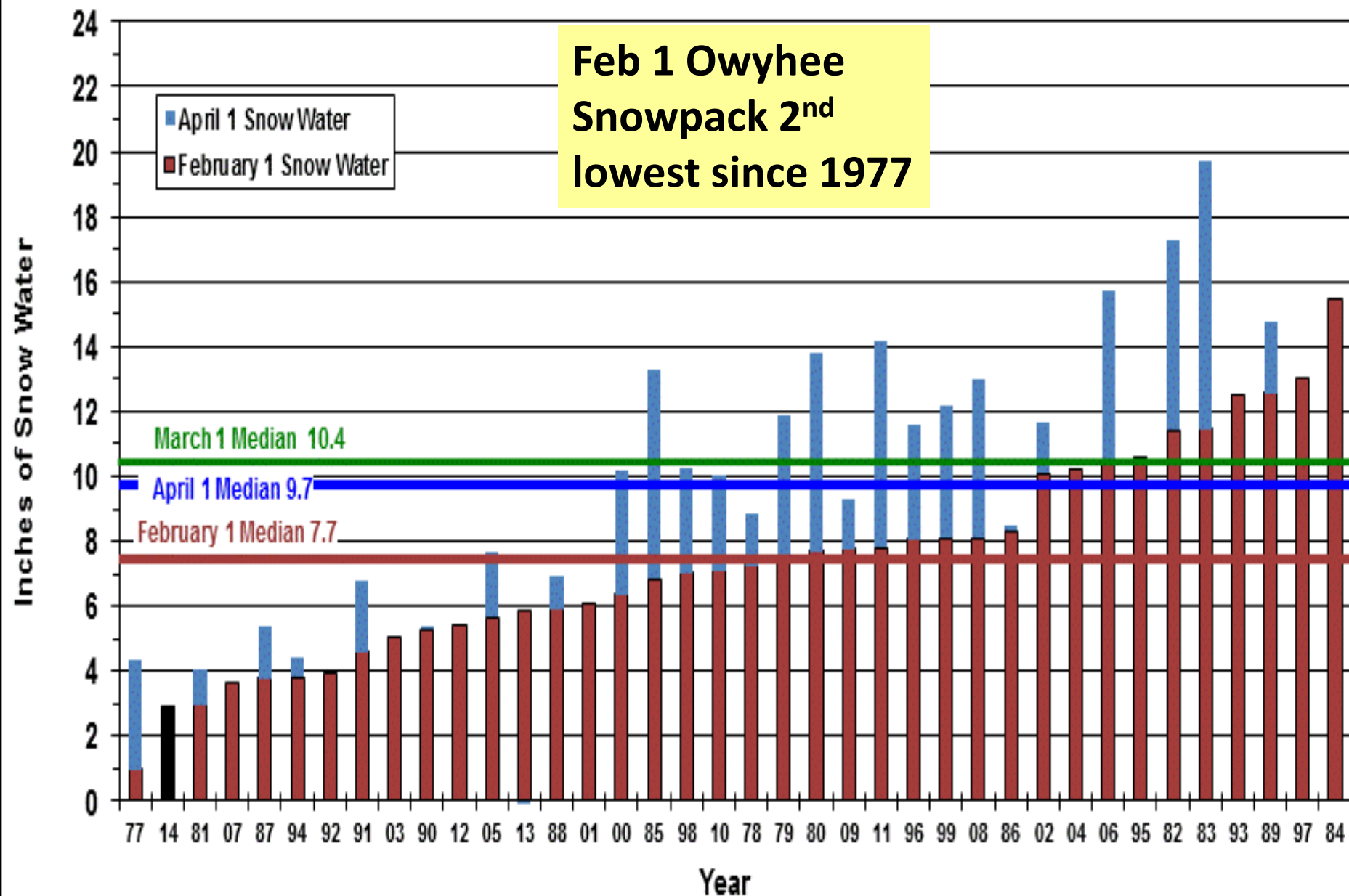
Based on Provisional SNOTEL data as of Feb 11, 2014

— Normal — WY2014 — Minimum — 10% — 30% — 50% — 70% — 90% — Maximum

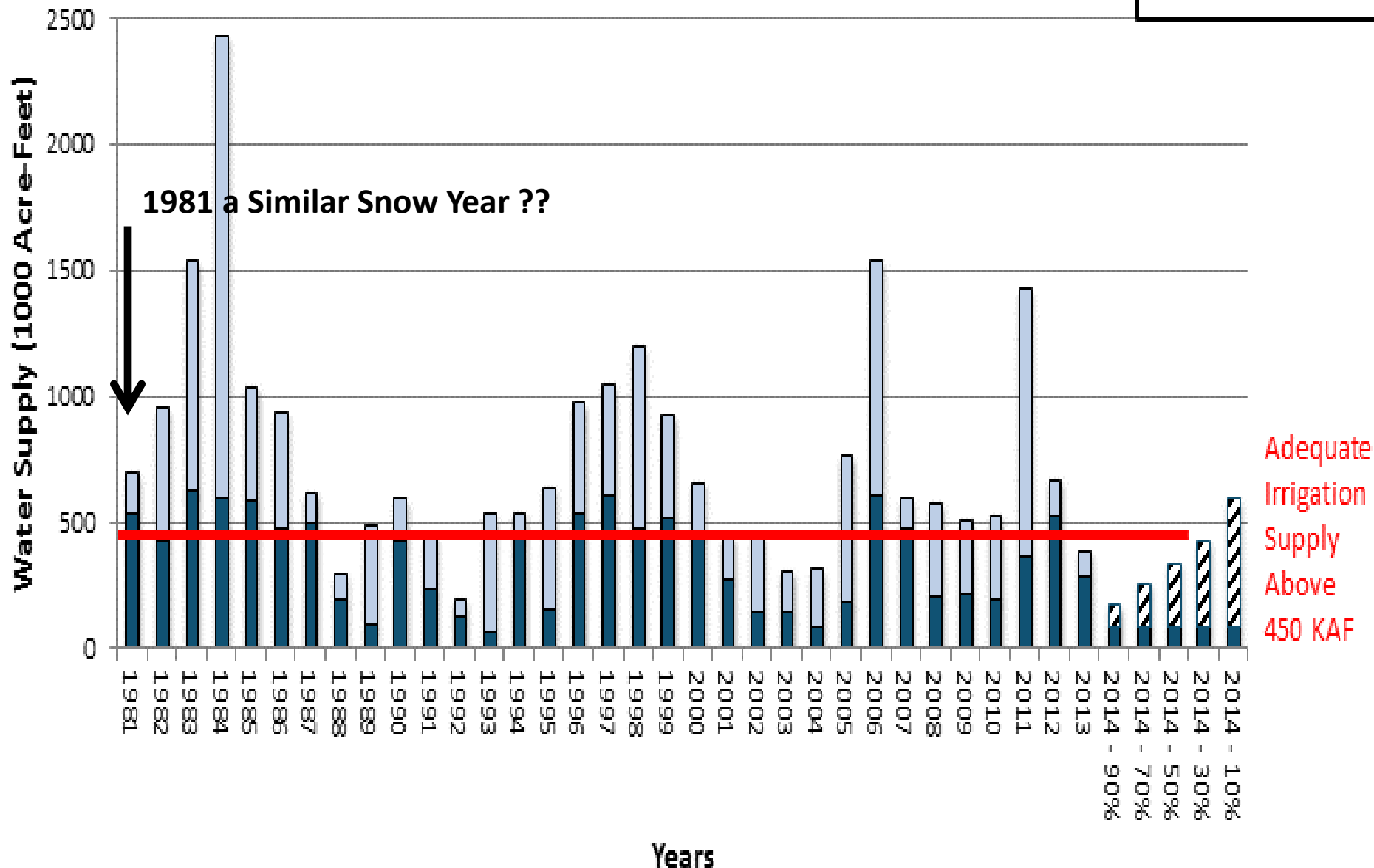
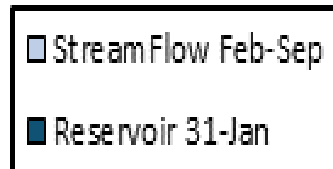


Snow Index for the Owyhee River, ID 1977- Feb 2014

Big Bend, Jack Creek Upper, Laurel Draw, MudFlat, South Mtn, and Taylor Canyon SNOTEL Sites



Feb 1 Historic and Forecasted Surface Water Supply Owyhee Basin

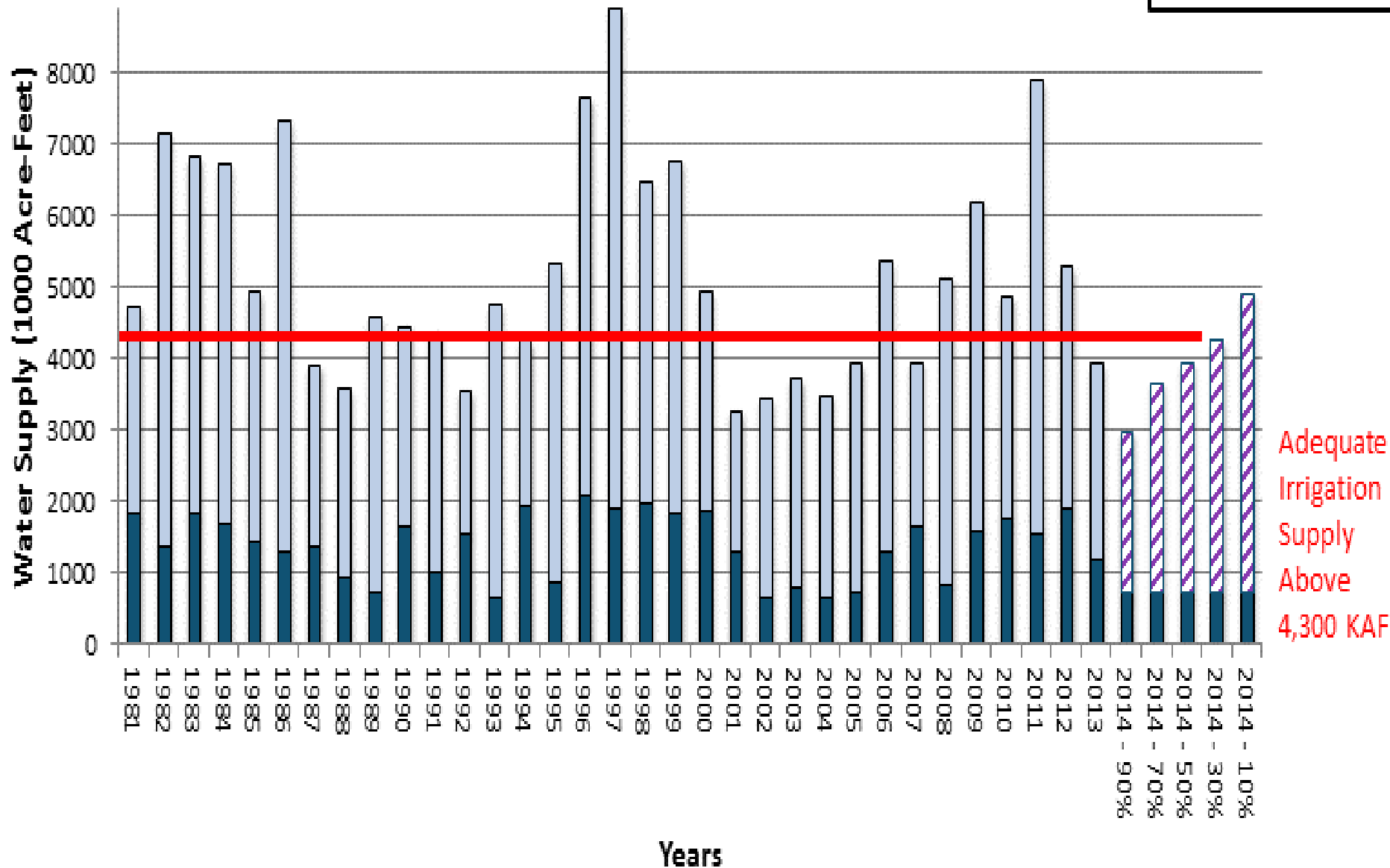
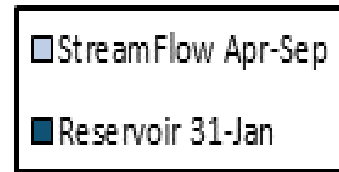


IDAHO RESERVOIR STORAGE

Usable Contents

Reservoir (s)	Percent of Capacity January 31, 2014	Percent of Average January 31, 2014
Salmon Falls	8	39
Owyhee	11	23
Coeur d' Alene	18	66
Magic	23	63
Oakley	24	80
Palisades & Jackson	30	51
Little Wood	40	74
Blackfoot	44	88
Boise (3)	45	85
Bear Lake	46	93
Ririe	54	112
American Falls	56	85
Mackay	57	98
Payette (2)	61	96
Dworshak	67	100


Feb 1 Historic and Forecasted Surface Water Supply Snake River Near Heise



January 1, 2014 Water Supply Forecasts, Amount Needed & Shortages based on the 5 Exeedance Forecasts

<i>Basin or Region</i>	<i>Adequate Irrigation Water Supply (KAF)</i>	<i>Projected March 31 Reservoir Storage (KAF)</i>	<i>Streamflow Volume Needed for Adequate Water Supply (KAF) (% of Ave.)</i>
Big Wood	275	40	235 (89%)
Salmon Falls	110	20	90 (122%)
Oakley	50	20	30 (115%)
Big Lost	180	30	150 (100%)
Little Lost	40	0	40 (119%)
Boise	1,500	480	1020 (75%)
Snake (Heise)	4,400	684	3516 (93%)
Little Wood	60	18	42 (51%)
Owyhee	450	75	375 (93%)
Teton	85	0	85 (44%)
Bear River	400	670	0

January 1, 2014 Water Supply Forecasts, Amount Needed, Reservoir Storage, & 5 Exceedance Forecasts

 REGION	Adequate Irrigation Water Supply (KAF)	Projected March 31 Reservoir Storage (KAF)	Streamflow Volume Needed for Adequate Water Supply (KAF) (% of Ave.)	90% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)	70% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)	50% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)	30% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)	10% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)
Big Wood	275	40	235 (89%)	7 (-228)	18 -(217)	82 (-153)	160 (-75)	265 (+30)
Salmon Falls	110	20	90 (122%)	14 (-76)	28 (-62)	40 (-50)	54 (-36)	79 (-11)
Oakley	50	20	30 (115%)	1 (-29)	11 (-19)	18 (-12)	25 (-5)	35 (+5)
Big Lost	180	30	150 (100%)	7 (-143)	58 (-92)	93 (-57)	128 (-22)	179 (+29)
Little Lost	40	0	40 (119%)	14 (-26)	21 (-19)	26 (-14)	32 (-8)	42 (+2)
Boise	1,500	480	1020 (75%)	205 (-815)	625 (-395)	815 (-205)	1010 (-10)	1420 (+400)
Snake (Heise)	4,400	684	3516 (93%)	2440 (-1076)	2980 (-536)	3350 (-166)	3720 (+204)	4260 (+744)
Little Wood	60	18	42 (51%)	7 (-35)	17 (-25)	42 (+ -0)	65 (+23)	100 (+58)
Owyhee	450	75	375 (93%)	145 (-230)	285 (-90)	405 (+30)	545 (+170)	795 (+420)
Teton	85	0	85 (44%)	88 (+3)	125 (+40)	154 (+69)	186 (+101)	240 (+155)
Bear River	400	670	0	3 (+3)	108 (+108)	160 (+160)	252 (+252)	357 (+357)

Water Supply Outlook Key:

Shortages

Some
Shortages

Marginal
Supplies

Sufficient
Supplies

Surplus

February 1, 2014 Water Supply Forecasts, Amount Needed & Shortages based on the 5 Exceedance Forecasts

<i>BASIN or REGION</i>	<i>Adequate Irrigation Water Supply (KAF)</i>	<i>Projected March 31 Reservoir Storage (KAF)</i>	<i>Streamflow Volume Needed for Adequate Water Supply (KAF) (% of Ave.)</i>	<i>90% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)</i>	<i>70% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)</i>	<i>50% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)</i>	<i>30% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)</i>	<i>10% Chance of Exceedance Streamflow Forecast Apr-Sep (KAF)</i>
Salmon Falls	110	22	88 (103%)	9 (-79)	19 (-69)	28 (-60)	39 (-49)	58 (-30)
Big Wood	275	50	225 (85%)	0 (-225)	8 (-217)	20 (-205)	85 (-140)	170 (-55)
Oakley	50	23	27 (87%)	9 (-18)	13 (-14)	14 (-13)	20 (-7)	27 (0)
Big Lost	180	31	149 (99%)	27 (-122)	50 (-99)	75 (-74)	110 (-39)	165 (+16)
Little Lost	40	0	40 (85%)	13 (-27)	19 (-21)	23 (-17)	28 (-12)	36 (-4)
Owyhee	450	75	375 (50%)	85 (-290)	173 (-202)	250 (-125)	340 (-35)	505 (+130)
Boise	1500	545	955 (70%)	200 (-755)	540 (-415)	695 (-260)	850 (-105)	1190 (+235)
Little Wood	60	18	42 (45%)	8 (-34)	23 (-19)	36 (-6)	53 (+11)	83 (+41)
Snake (Heise)	4400	700	3700 (98%)	2270 (-1430)	2940 (-760)	3240 (-460)	3540 (-160)	4210 (+510)
Teton	85	0	85 (44%)	93 (+8)	120 (+35)	141 (+56)	163 (+78)	199 (+114)
Bear River	400	680	0	2 (+2)	10 (+10)	62 (+62)	125 (+125)	217 (+217)

Water Supply Outlook Key:

Shortages	Some Shortages	Marginal Supplies	Sufficient Supplies	Surplus
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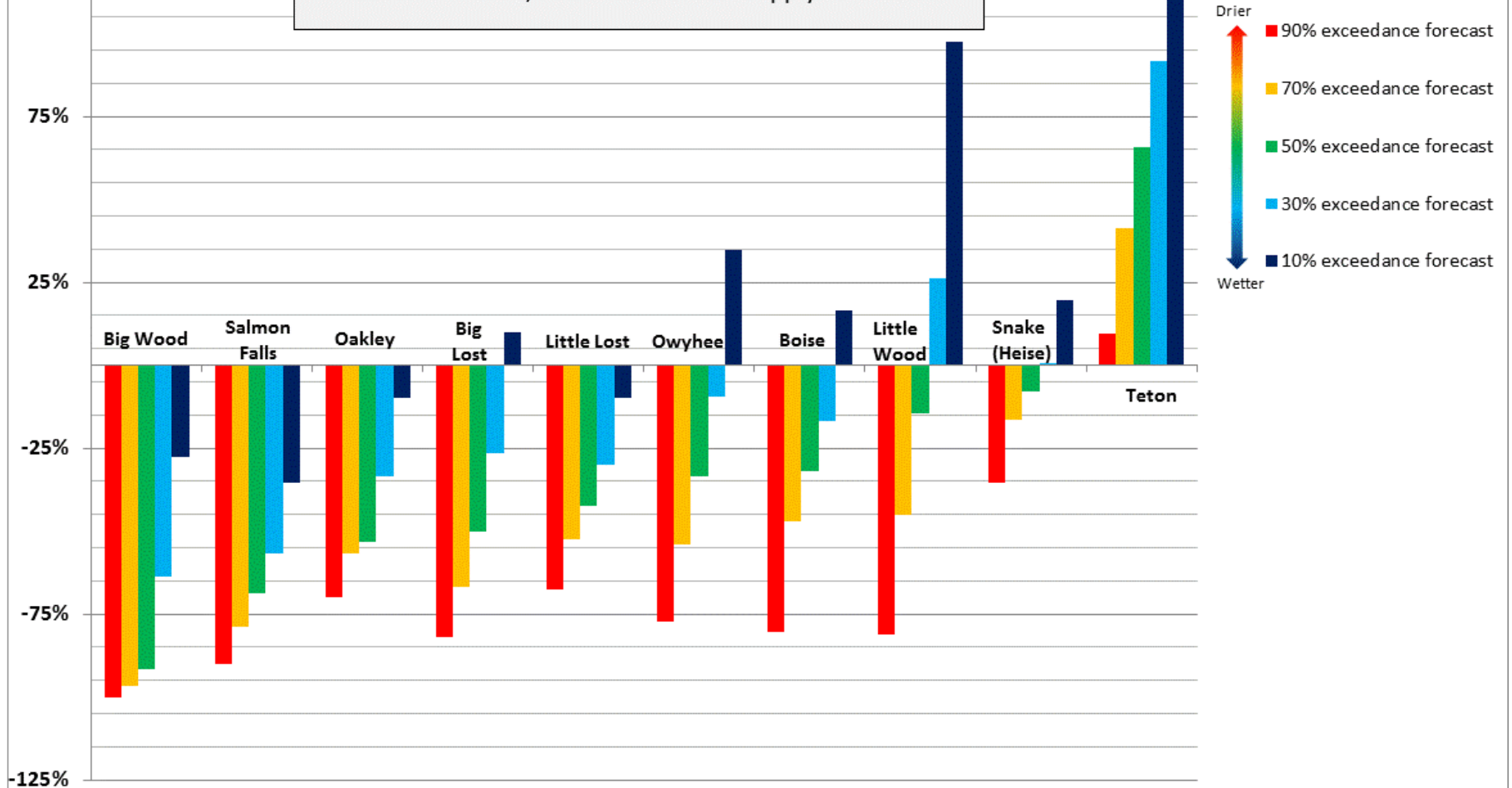
Think Snow!!

Questions – Comments - Corrections

Not Rain – this week

Forecasted Water Supply Deficit or Surplus Relative to 'Adequate Supply' (%)

Based on Feb. 1, 2014 NRCS Water Supply Forecasts



The Surface Water Supply Index (SWSI) is a predictive indicator of surface water availability within a watershed for the spring and summer water use season. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow. SWSI values are scaled from +4.0 (abundant supply) to -4.0 (extremely dry), with a value of zero indicating a median water supply as compared to historical occurrences. The SWSI analysis period is from 1981 to present.

SWSI values provide a more comprehensive outlook of water availability by combining streamflow forecasts and reservoir storage where appropriate. The SWSI index allows comparison of water availability between basins for drought or flood severity analysis. Threshold SWSI values have been determined for some basins to indicate the potential for agricultural irrigation water shortages.

<i>BASIN or REGION</i>	<i>SWSI Value</i>	<i>Most Recent Year With Similar SWSI Value</i>	<i>Agricultural Water Supply Shortage May Occur When SWSI is Less Than</i>
Northern Panhandle	-2.6	2004/2005	NA
Spokane	-2.1	2007	NA
Clearwater	-0.9	2004	NA
Salmon	-2.1	2005	NA
Weiser	-2.6	2013	NA
Payette	-2.8	1991/2007	NA
Boise	-3.3	1991/2001	-1.5
Big Wood	-3.7	1992/2013	0.5
Little Wood	-3.3	2001/2002	-1.5
Big Lost	-2.3	2003	0.5
Little Lost	-2.1	2007	1.2
Teton	-1.6	2002/2013	-3.9
Henrys Fork	-1.3	2007	-3.4
Snake (Heise)	-1.8	2007/2013	-1.5
Oakley	-2.5	2002/2004	0.2
Salmon Falls	-3.8	1992/2001	-1.0
Bruneau	-3.3	2001/2012	NA
Owyhee	-3.8	1992/2003	-3.4
Bear River	-0.3	1989/2001	-2.7

SWSI SCALE, PERCENT CHANCE OF EXCEEDANCE, AND INTERPRETATION

