

<b>NWS Form E-5</b> U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE  <b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>	<b>HYDROLOGIC SERVICE AREA:</b> Pocatello, Idaho
	<b>REPORT FOR:</b>  <b>MONTH:</b> December <b>YEAR:</b> 2013
<b>TO:</b> Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	<b>SIGNATURE</b>  Corey Loveland Service Hydrologist
<b>DATE:</b> January 10, 2014	
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	



An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.

### Overview:

Since the beginning of the water supply season through December, conditions have been much drier than normal throughout the Hydrologic Service Area (HSA). There were about two major widespread storm systems that dropped high elevation snow within the HSA and one more isolated to the southeast of Idaho. The greatest amount of accumulation was at Vienna Mine SNOTEL (8,960 ft), just outside the HSA, with a total of 65.7 inches of depth for the month. The greatest non-SNOTEL accumulation was the Bern Coop collecting 18.5 inches of snowfall.

December brought an average of around a quarter to three inches of precipitation within the HSA excluding the Snake River plain. The Big and Little Lost River, Little Wood, Medicine Lodge, Goose and Raft River drainages were in the driest locations receiving on average of about 0.10 inch for the month. The temperature departure from normal for December shows that mostly across the HSA, temperatures were mostly one to six degrees F colder from normal. The forecast for the El Niño neutral pattern continues into the summer. As far as water supply goes, the basins fairing the best thus far are the Snake above Palisades and Henrys Fork/Teton, which are currently above 96% and 87% of normal respectively. These basins, along with all the basins in eastern Idaho have dropped significantly from last month's normals. The basins lagging behind are the Goose followed by the Big Wood River basin, which are currently at 44% and 46% of normal. We are now currently near mid-water supply season so hopefully the next few months will bring some much needed moisture.

As far as the one-month Climate Prediction Center Outlook is concerned, we stand to have an equal chance of having normal temperatures and mostly an equal chance of receiving a normal amount of precipitation in most of eastern Idaho with the exception of the Continental Divide having a 33% chance of greater than normal precipitation. Looking at the long-term climate forecast in the next three months, it appears that we may have near normal temperatures with a possible 33% chance of higher than normal temperatures near the ID-UT border and an equal chance of normal precipitation throughout the state.

Of the data available for the month, the stations within the HSA reaching the highest 24-hour temperature were the Oakley COOP, Burley Airport, and Raft River RAWS on the 2<sup>nd</sup>, which all reached 54°F. The station with the lowest recorded temperature (non-SNOTEL) was the Arco RAWS station at -30°F on December 8<sup>th</sup>. The highest recorded 24-hr precipitation (non-SNOTEL) occurred at the Island Park (COOP) where 0.60 inch fell on

the 2<sup>nd</sup>. The highest recorded 24-hr snowfall (non-SNOTEL) occurred at the Dubois Experimental Station (COOP) where 7.5 inches fell on the 23<sup>rd</sup>.

Reservoirs last month increased capacity overall by around 6% in the upper Snake River basin system (an increase of about 267 KAF occurred over the month and is currently sitting at 33% of capacity overall). Compared to last year at this time, it was about 50% of capacity. Water storage continues and we anxiously await a decent snowpack to recharge the reservoir system. According to NRCS reservoir data, the most notable increases were American Falls storing 14%, Mackay 10%, Island Park and Little Wood Reservoirs 7% of capacity. Lake Walcott lost 3% of capacity during the month.

Current streamflow conditions in eastern Idaho are currently below normal to near normal for the majority of the unregulated streams (see map below).

Drought conditions across the state have degraded drought intensities. For eastern Idaho, the extreme drought (D3) category has increased to include parts of the Blaine, Minidoka, and Lincoln counties. The severe drought (D2) category has increased to include most of Bannock, all of Power and more of Bingham counties. The D0, abnormally dry category, has remained unchanged within the HSA since last month's analysis. The U.S. Seasonal Drought Outlook forecast currently worsens the outlook for southern Idaho (Goose, Raft River and Bear River basins) categorizing the area into the persistence category. Likely drought removal still remains along the ID-WY border including the upper Snake and the Willow/Blackfoot/Portneuf basins.

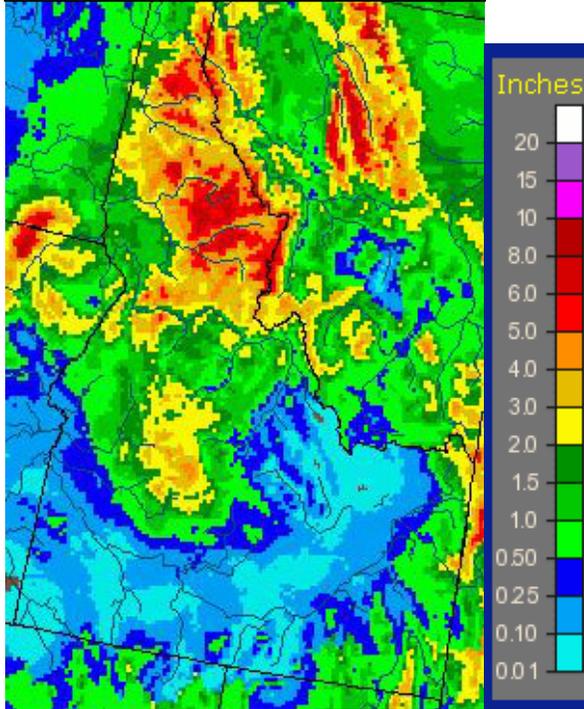
The Idaho NRCS Snow Survey office came out with their January 1<sup>st</sup> Idaho Surface Water Supply Index (SWSI) which combines streamflow forecasts and reservoir storage, where appropriate. This rating reflects overall water availability in the basins and are mostly used for irrigational planning purposes. The highest rating within the HSA, is the Bear River basin which is given a SWSI value of -0.3 (near normal water supply) with the Oakley basin rated the lowest at -2.3 (below normal). Most eastern Idaho basins fit near the -2.1 to -0.6 range which currently paints a bleak picture for water supply. Analog years that are similar to this year's climate indices are: 1969, 1982 and 2008, according to the Oregon Department of Agriculture.

For more information on the Idaho Water Supply Outlook please go to:  
<ftp://ftp-fc.sc.egov.usda.gov/ID/snow/webftp/wsor/2014/borid114.pdf>

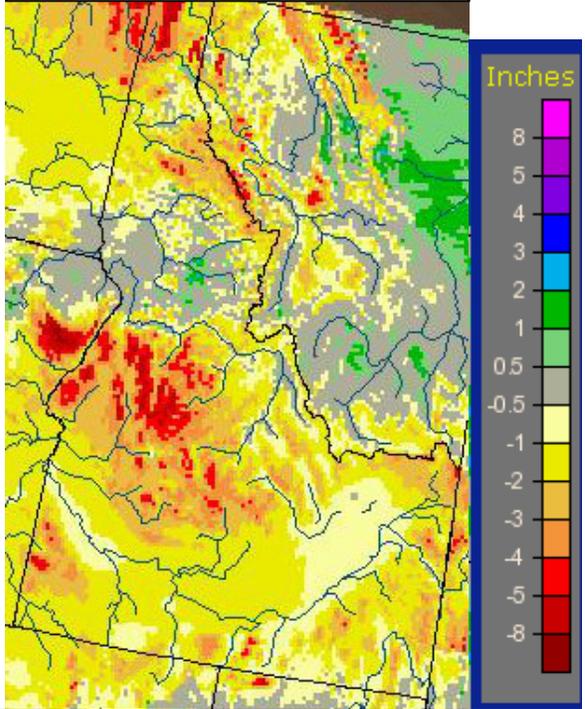
See NWRFC, CBRFC, and NRCS beginning of water supply season forecasts below.

**Precipitation:**

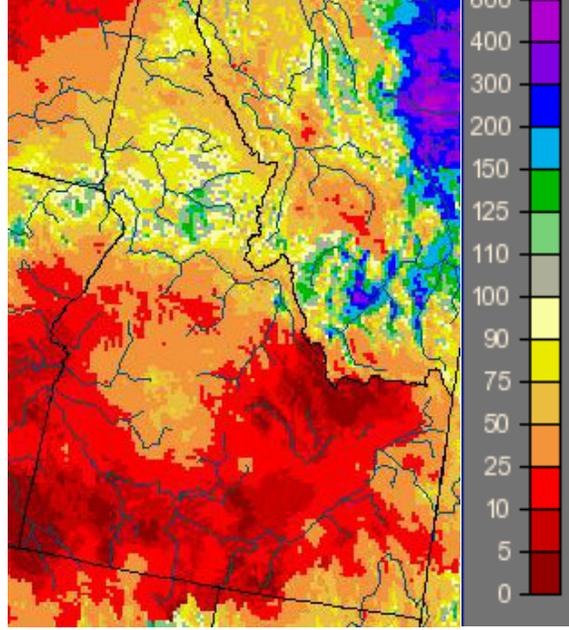
December 2013, Observed Precipitation



December 2013, Departure from Normal Precipitation

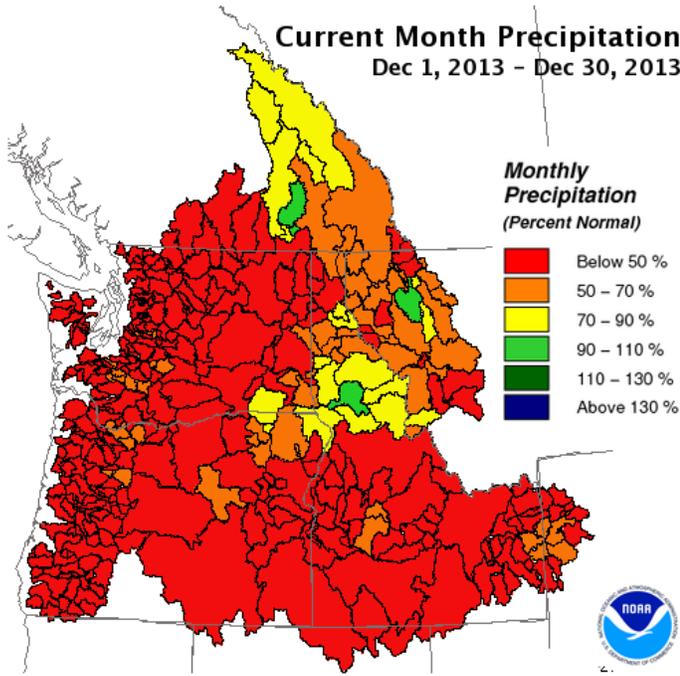


December 2013, Percent of Normal Precipitation



[www.water.weather.gov/precip/index.php](http://www.water.weather.gov/precip/index.php)

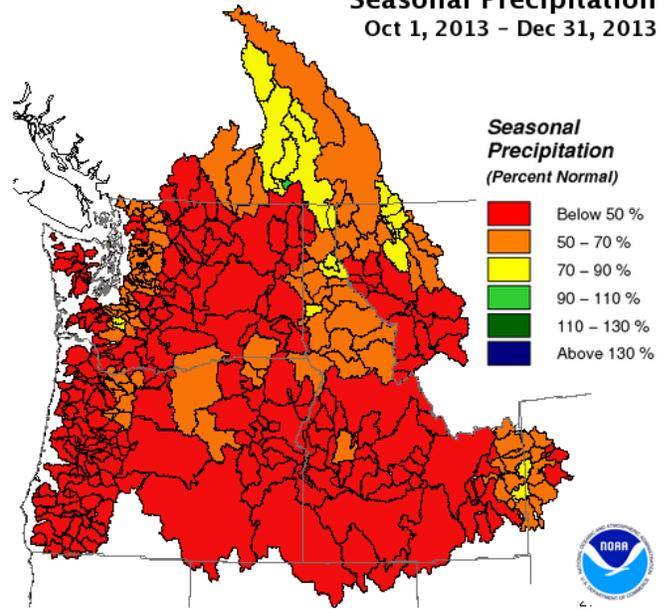
**Current Month Precipitation**  
Dec 1, 2013 - Dec 30, 2013



Creation Time: Tuesday, Dec 31, 2013 Northwest River Forecast Center

[www.nwrfc.noaa.gov/WAT\\_RES\\_wy\\_summary/20131231/CurMonMAP\\_2013Dec30\\_2013123117.png](http://www.nwrfc.noaa.gov/WAT_RES_wy_summary/20131231/CurMonMAP_2013Dec30_2013123117.png)

**Seasonal Precipitation**  
Oct 1, 2013 - Dec 31, 2013



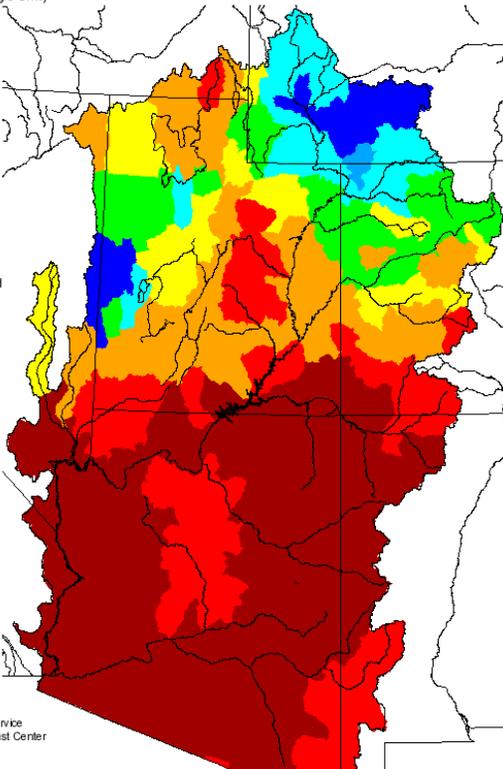
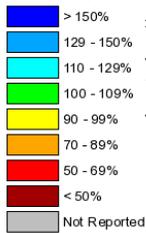
Creation Time: Wednesday, Jan 1, 2014 Northwest River Forecast Center

[www.nwrfc.noaa.gov/WAT\\_RES\\_wy\\_summary/20140101/SeasonalMAP\\_2013Dec31\\_2014010117.png](http://www.nwrfc.noaa.gov/WAT_RES_wy_summary/20140101/SeasonalMAP_2013Dec31_2014010117.png)

**Monthly Precipitation for December 2013**

(Averaged by Hydrologic Unit)

**% Average**



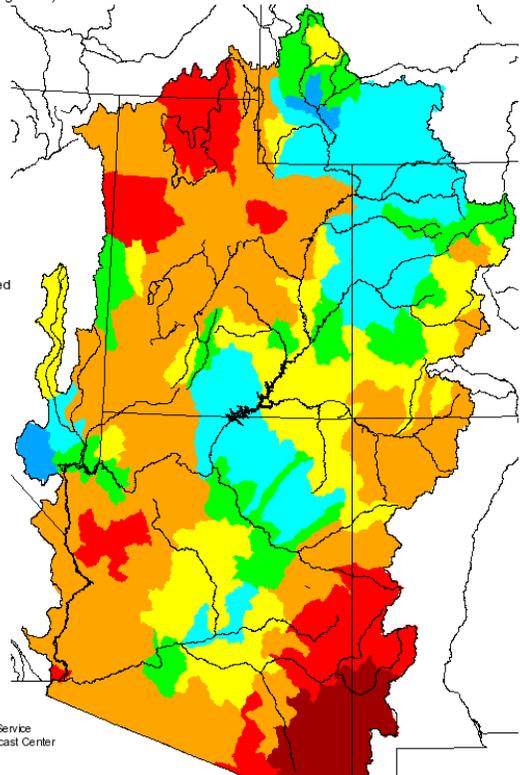
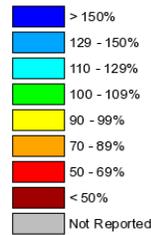
Prepared by  
NOAA, National Weather Service  
Colorado Basin River Forecast Center  
Salt Lake City, Utah  
[www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

[www.cbrfc.noaa.gov/product/mapsum/mapsum.cgi??cbrfc?M?2013?12](http://www.cbrfc.noaa.gov/product/mapsum/mapsum.cgi??cbrfc?M?2013?12)

**Seasonal Precipitation, October 2013 - December 2013**

(Averaged by Hydrologic Unit)

**% Average**



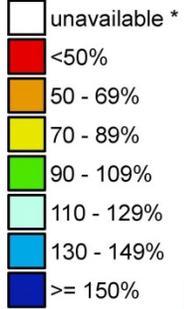
Prepared by  
NOAA, National Weather Service  
Colorado Basin River Forecast Center  
Salt Lake City, Utah  
[www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

[www.cbrfc.noaa.gov/product/mapsum/mapsum.cgi??cbrfc?S?2013?12](http://www.cbrfc.noaa.gov/product/mapsum/mapsum.cgi??cbrfc?S?2013?12)

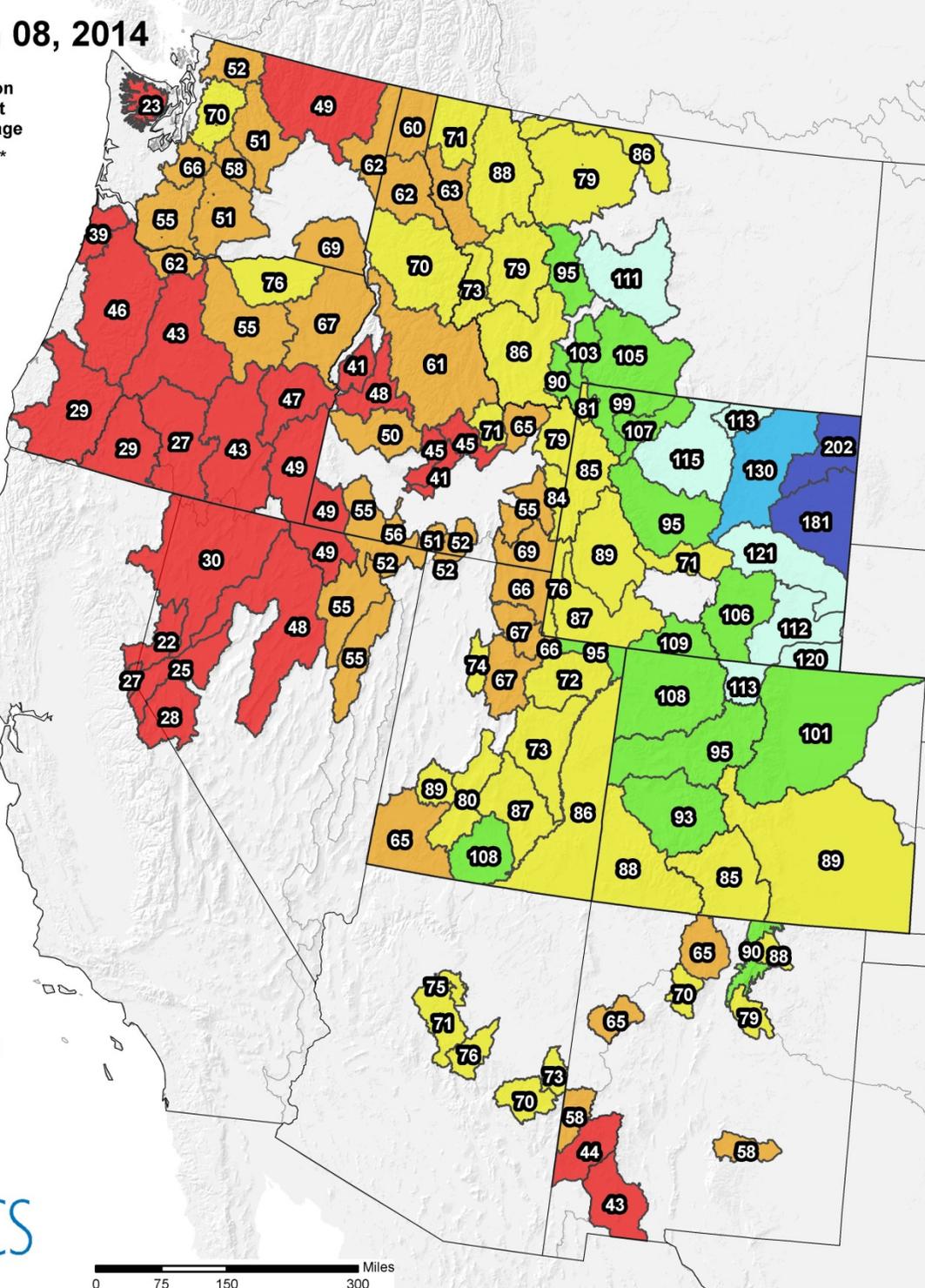
# Westwide SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

Jan 08, 2014

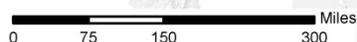
Water Year (Oct 1) to Date Precipitation Basin-wide Percent of 1981-2010 Average



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



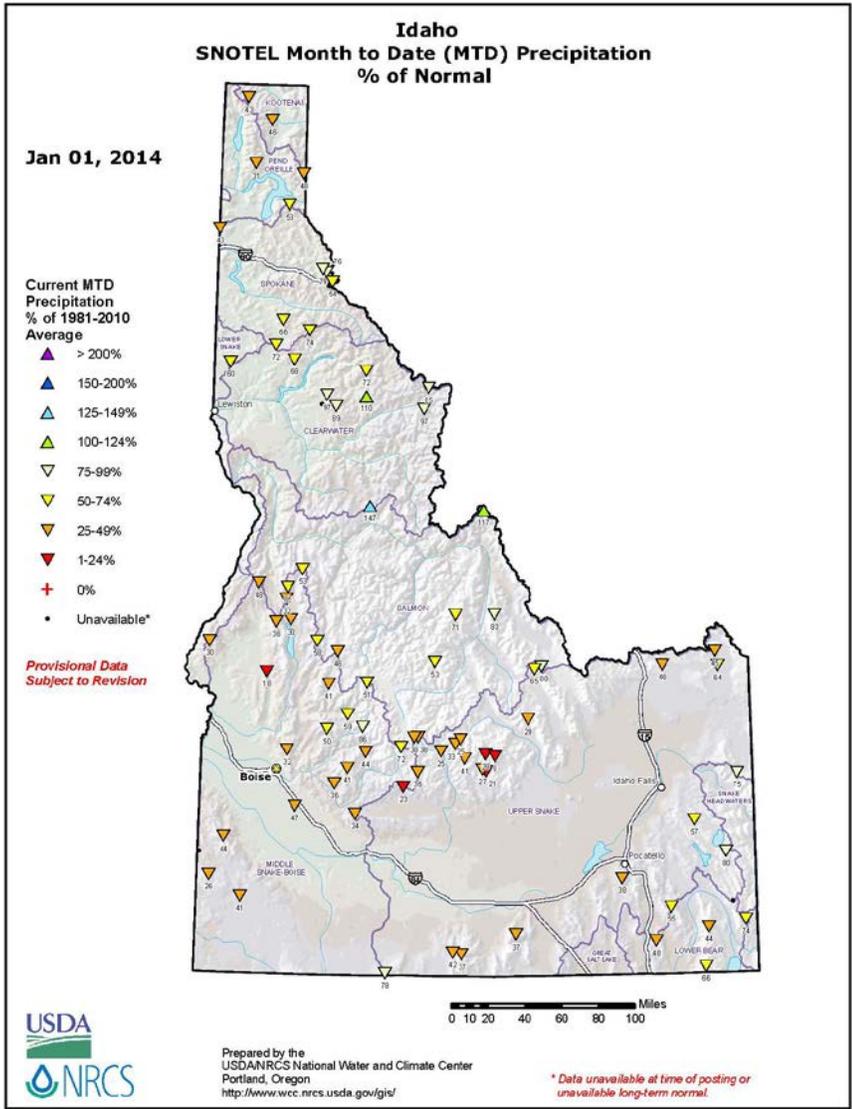
Provisional data subject to revision



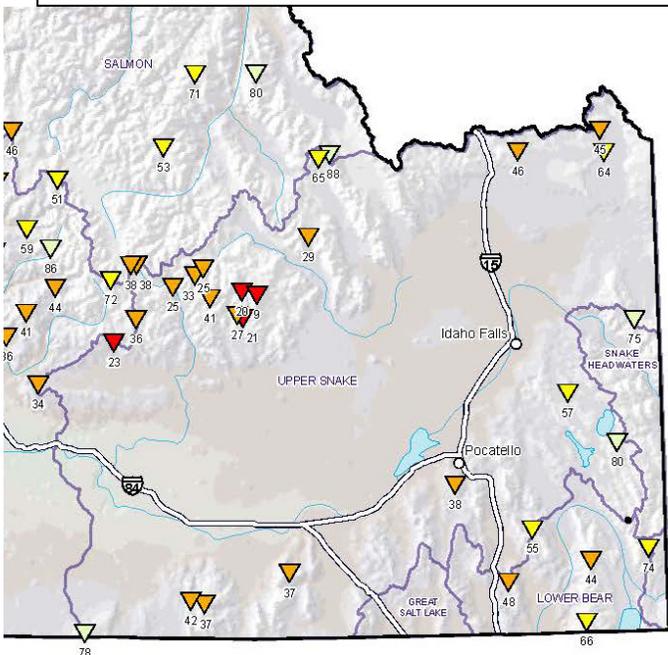
The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

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

[www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/west\\_wytdprecpcnormal\\_update.pdf](http://www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/west_wytdprecpcnormal_update.pdf)



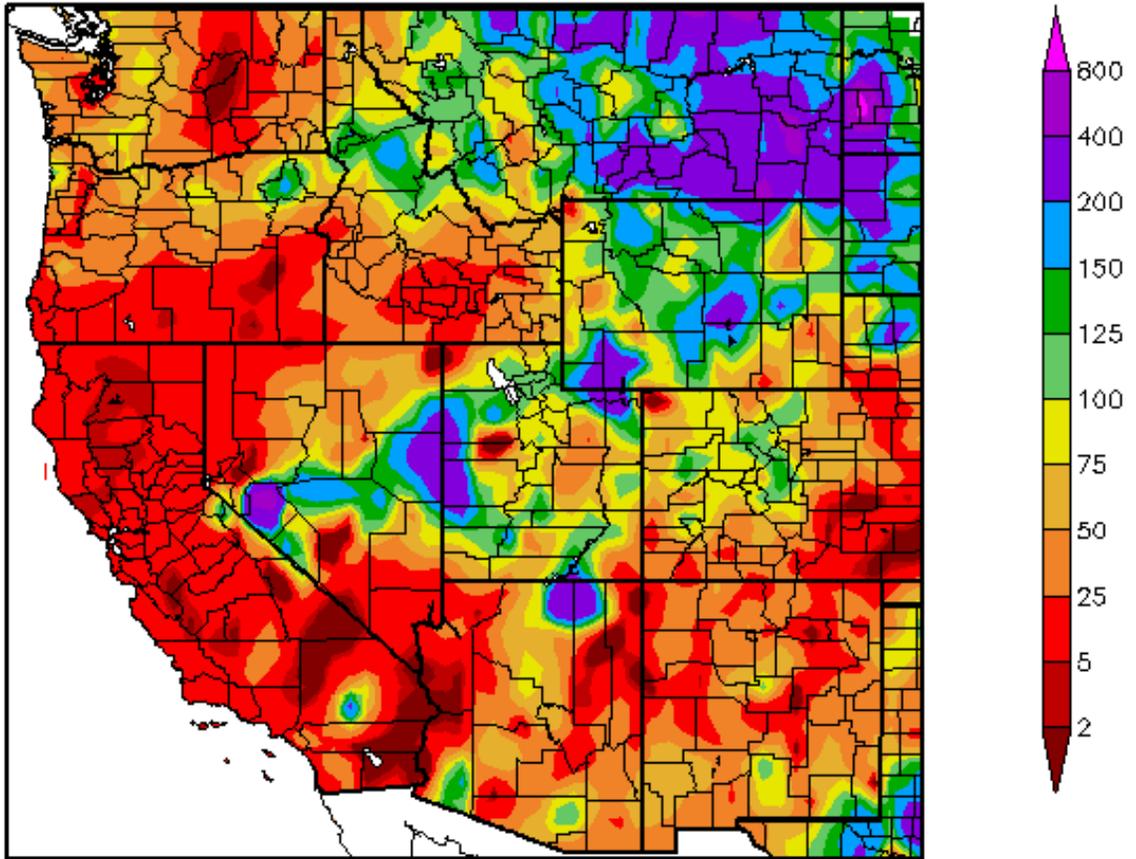
[ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/1stmonth/id/prec/id\\_mtdprecptnormal\\_Jan.pdf](ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/1stmonth/id/prec/id_mtdprecptnormal_Jan.pdf)



**SNOTEL MTD % of Normal  
Precipitation for end of December 2013**  
(image is cropped from above image)

Continuing the trend, December was dry across southern Idaho, primarily in the Snake River Plain and the south central zone of the state. Like last month, the entire Pacific Northwest was in the same situation. It is the same story across the west; very dry December with the exception of MT and parts of WY, UT, AZ, and NV.

## Percent of Normal Precipitation (%) 12/1/2013 – 12/31/2013



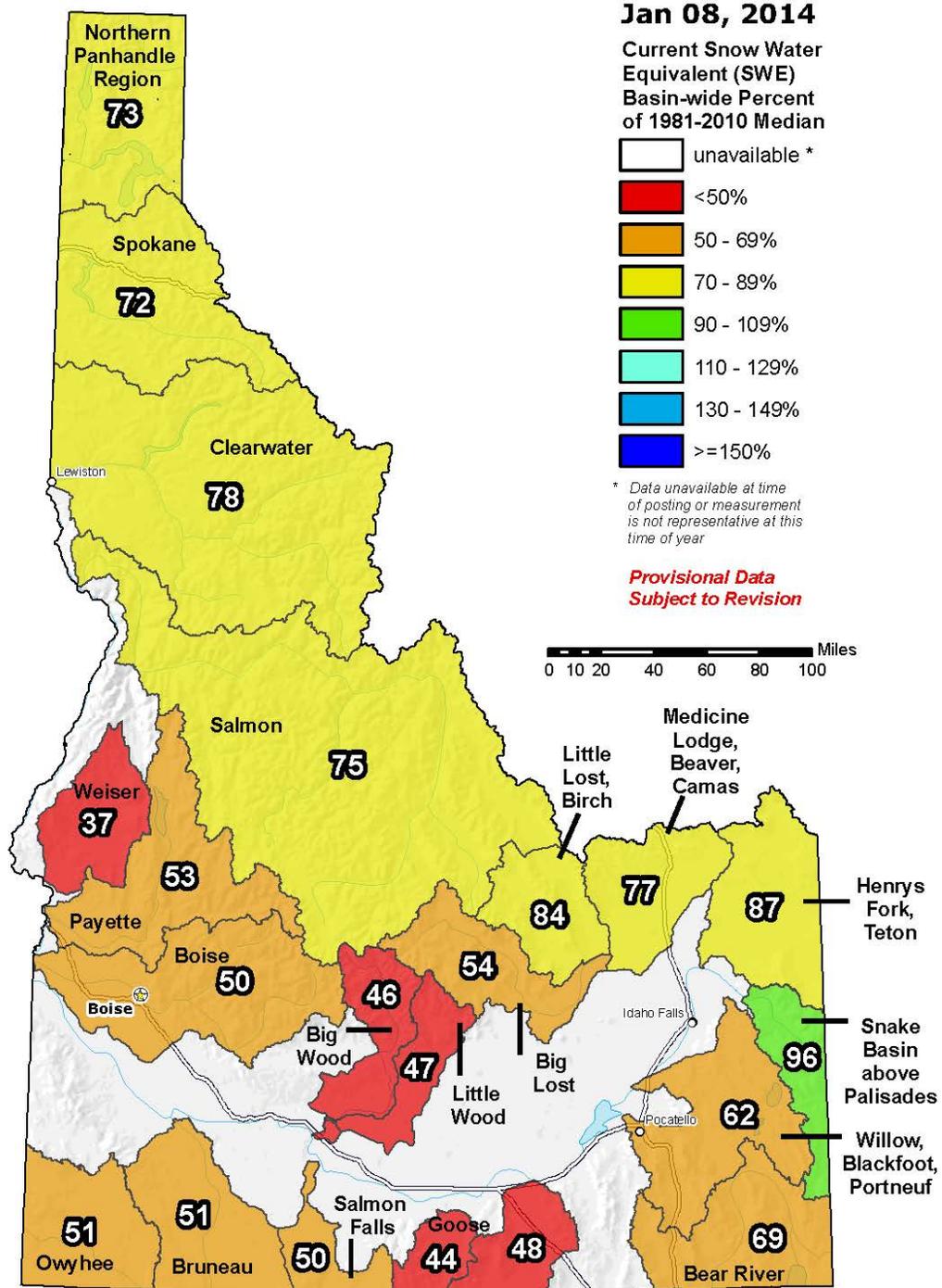
Generated 1/5/2014 at HPRCC using provisional data.

Regional Climate Centers

[www.hprcc.unl.edu/maps/current/index.php?action=update\\_type&map\\_type=](http://www.hprcc.unl.edu/maps/current/index.php?action=update_type&map_type=)

**\*\*Idaho SNOTEL SWE Percent of Normal graphic currently not available**

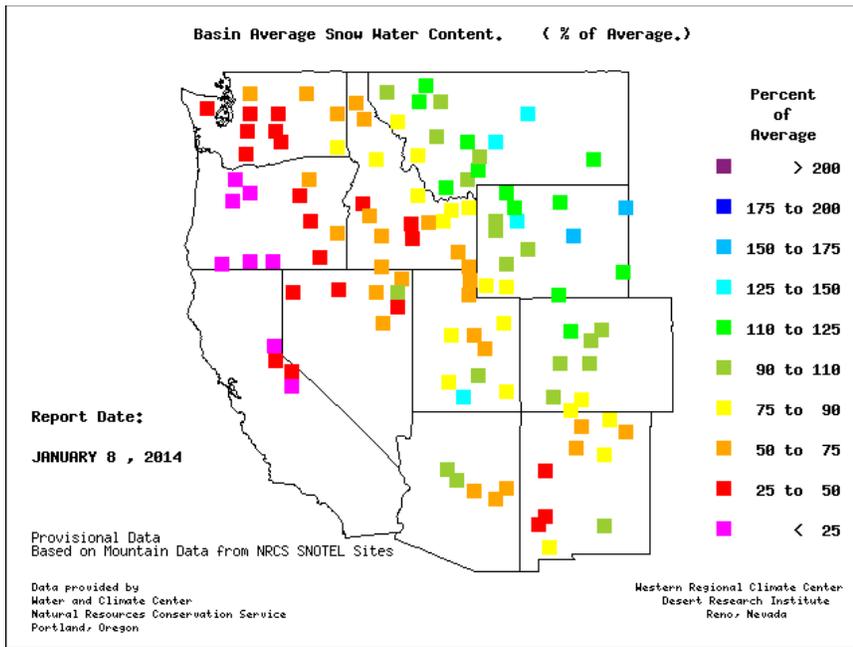
# Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



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).

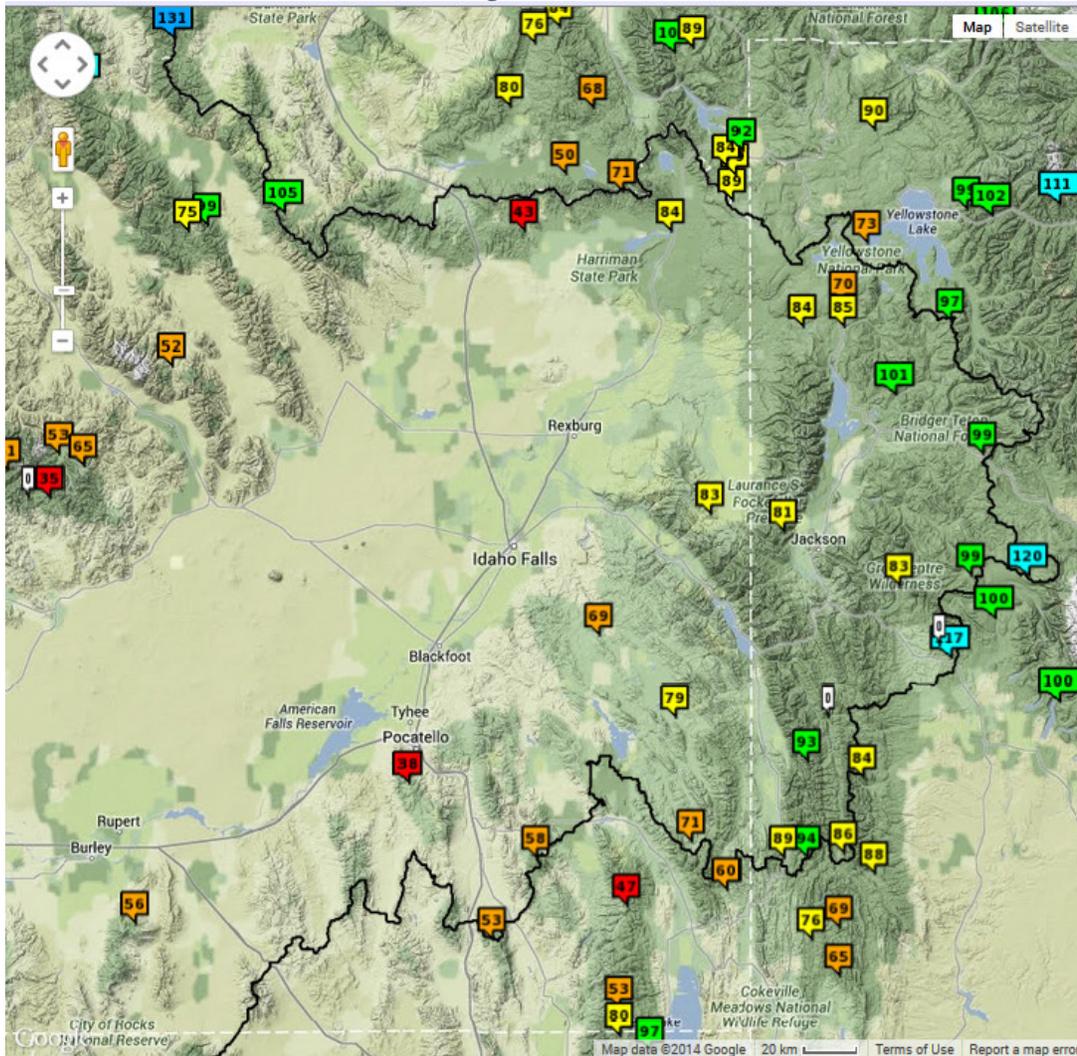
Prepared by the USDA/NRCS National Water and Climate Center  
 Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>  
 Based on data from <http://www.wcc.nrcs.usda.gov/reports/>  
 Science contact: Jim.Marron@por.usda.gov 503 414 3047

[www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/id\\_swepctnormal\\_update.pdf](http://www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/id_swepctnormal_update.pdf)

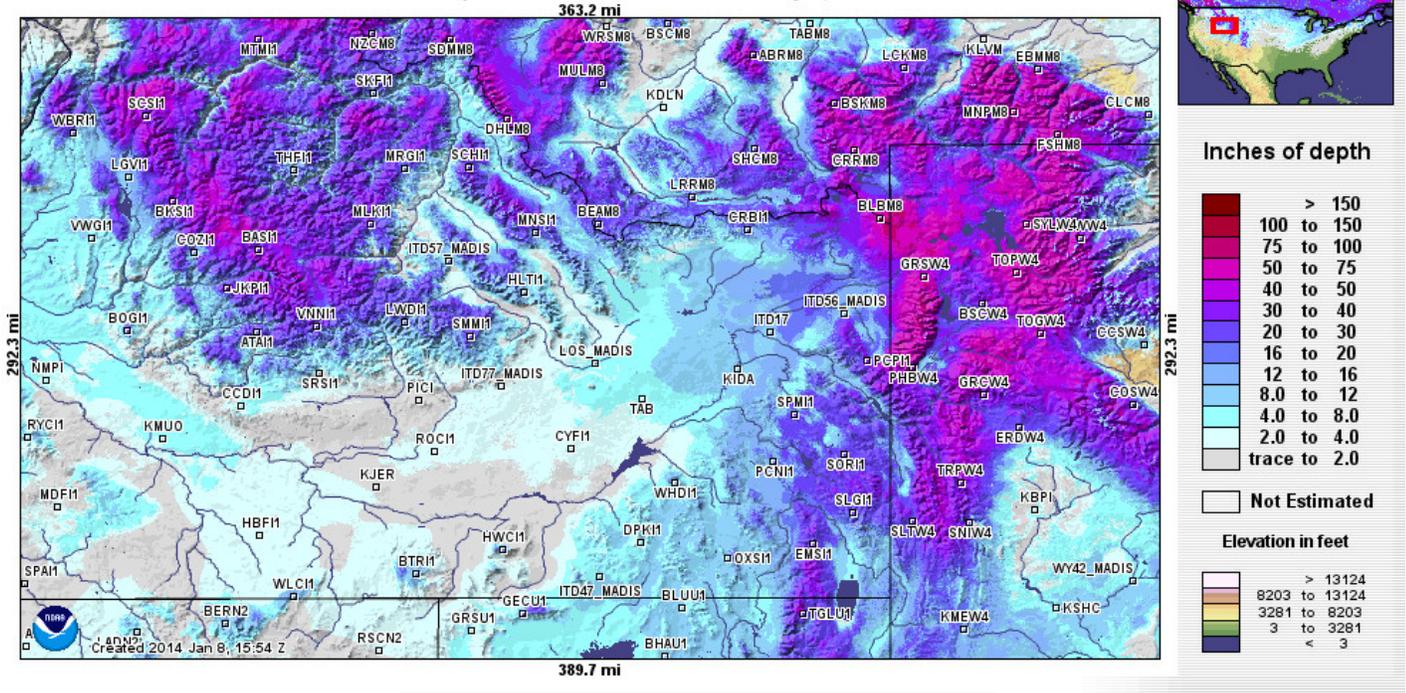


[www.wrcc.dri.edu/snotelanom/basinswe.html](http://www.wrcc.dri.edu/snotelanom/basinswe.html)

**Current SWE Conditions: % of Avg (1/9/14) (SNOTEL): (NWRFC)**



Modeled Snow Depth forecasted for 2014 January 8, 18:00 Z

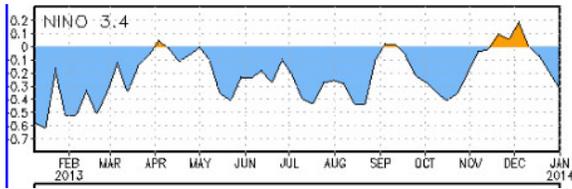
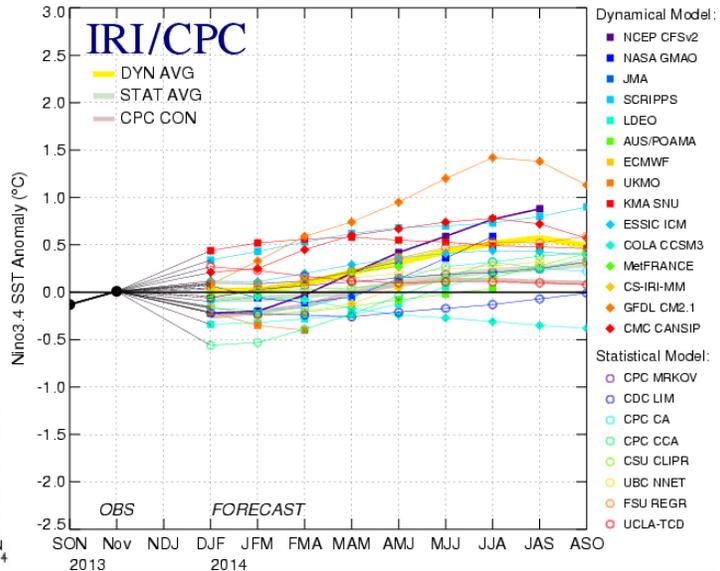


[www.nohrsc.noaa.gov/interactive/html/map.html](http://www.nohrsc.noaa.gov/interactive/html/map.html)

**ENSO Update:**

**Latest Observed SST Departure: Niño 3.4 ~ -0.3 Deg C**

Mid-Dec 2013 Plume of Model ENSO Predictions



[cpc.ncep.noaa.gov](http://cpc.ncep.noaa.gov), [iri.columbia.edu/climate/ENSO](http://iri.columbia.edu/climate/ENSO) and [www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/enso\\_advisory/ensodisc.pdf](http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/ensodisc.pdf)

**CPC Synopsis: ENSO-Neutral conditions favored for Summer 2014**

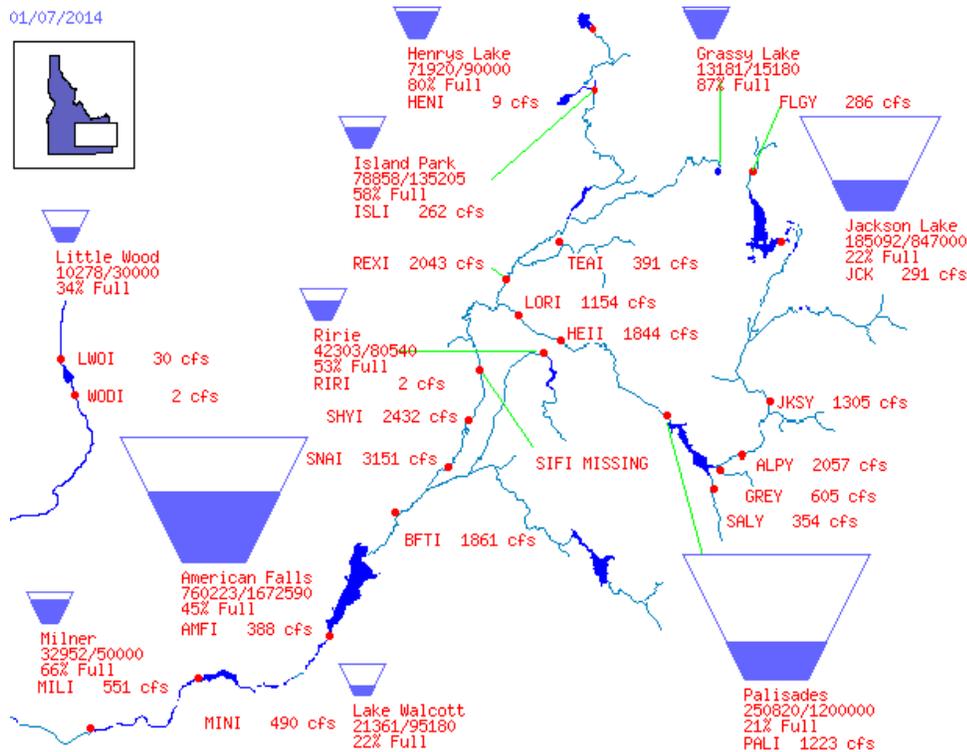
**Note:** The ENSO Neutral climate pattern is forecast to continue through the winter and into summer 2014. Equatorial sea surface temperatures are near average across much of the Pacific. The MJO has remained weak the last few weeks. The Arctic Oscillation (AO) is currently negative after being positive the last several weeks and is forecast to remain negative over the next few weeks.

**Reservoirs:**

Reservoir	% Capacity Nov. 30 <sup>1</sup>	% Capacity Dec. 31 <sup>2</sup>	Percent Change	% of Average <sup>2</sup>	% of Last Year <sup>2</sup>
Henrys Lake	77	79	2	90	80
Island Park	50	57	7	82	79
Jackson Lake	20	21	1	43	30
Palisades	28	31	3	50	89
Ririe	51	52	1	117	95
Blackfoot	41	42	1	86	67
American Falls	28	42	14	74	85
Bear Lake	46	46	0	93	74
Magic	19	20	1	60	147
Little Wood	26	33	7	71	75
Mackay	32	42	10	86	66
Oakley	15	17	2	65	71
Lake Walcott	25 <sup>3</sup>	22 <sup>4</sup>	-3	n/a	n/a
Milner	65 <sup>3</sup>	66 <sup>4</sup>	1	n/a	n/a

**Source:** (1) NRCS November 30, 2013; (2) NRCS December 31, 2013.  
 (3) US Bureau of Reclamation (BOR) December 11, 2013 (4) BOR January 7, 2014

[www.wcc.nrcs.usda.gov/ftpref/data/water/basin\\_reports/idaho/wy2014/bareid12.txt](http://www.wcc.nrcs.usda.gov/ftpref/data/water/basin_reports/idaho/wy2014/bareid12.txt)

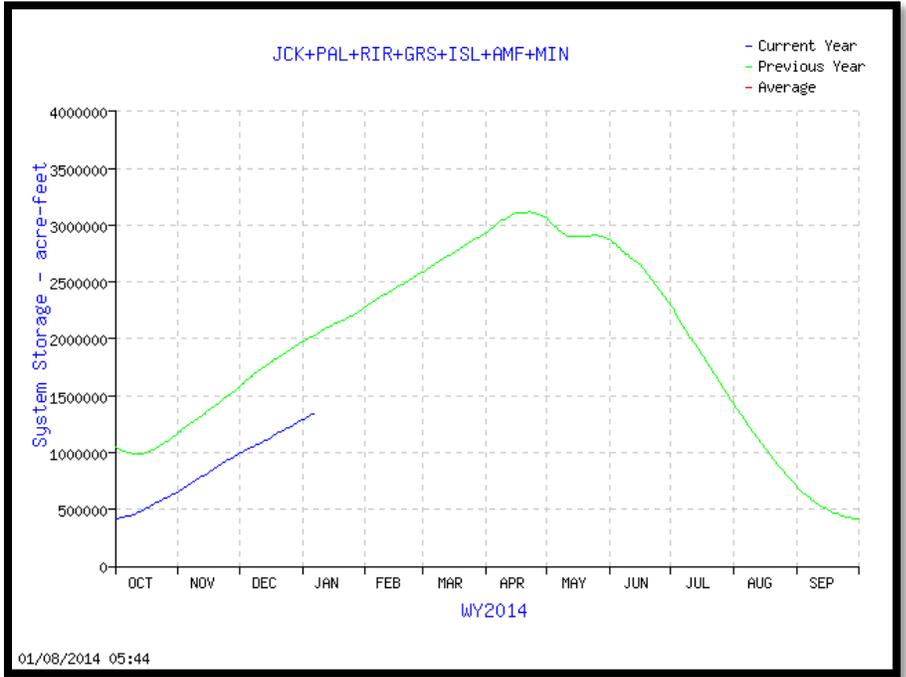


**33% of Capacity in Upper Snake River System**  
 (Jackson Lake, Palisades, Grassy Lake, Island Park, Ririe, American Falls & Lake Walcott)

**Upper Snake River:**  
 Total Space Available: 2,693,854 AF  
 Total Storage Capacity: 4,045,695 AF

[www.usbr.gov/pn/hydromet/burtea.html](http://www.usbr.gov/pn/hydromet/burtea.html)

**Graph of Upper Snake River  
Current Total System Reservoir  
Storage**



[www.usbr.gov/pn-bin/graphwy2.pl?snasys\\_af](http://www.usbr.gov/pn-bin/graphwy2.pl?snasys_af)

**Bear River Basin Current Reservoir Conditions:**

**Dam Level Condition**

- No Data
- Normal
- Near Spill
- Spill
- Pass Flow
- Critical
- Forecast Spill

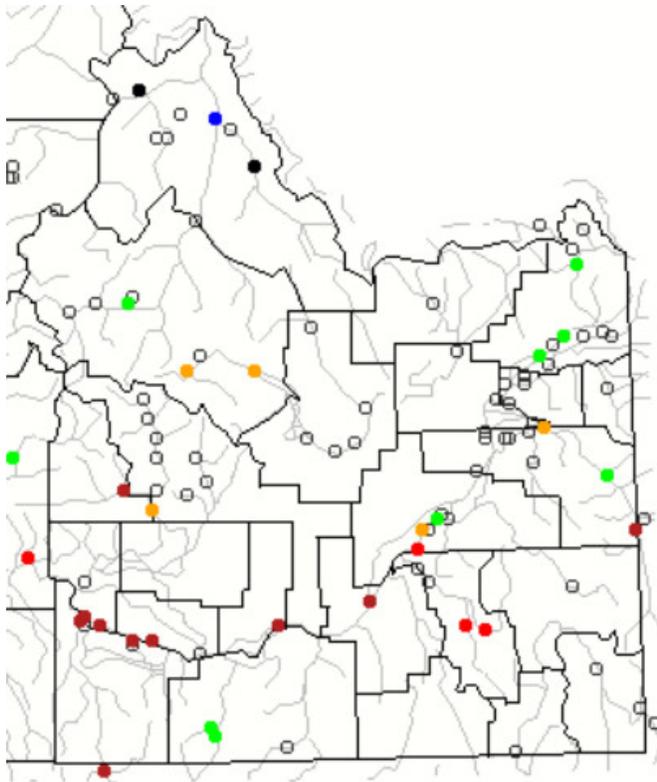
NWS ID Location

Level Condition	Current Level	Observed Date	Forecast Peak (5 days)	Peak Date	Gate Level	Gate Pass Flow	Crit Level
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1BLK11	Bear River - Bear Lake, Nr Lifton	<span style="color: blue;">●</span> 5912.5e	1/8 05:00	5912.5	1/9 07:00		
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[www.cbrfc.noaa.gov/gmap/list/list.php?search=&point=all&plot=&sort=damcritids&type=damcrit&basin=5&subbasin=0&espqpf=0&espdist=empirical](http://www.cbrfc.noaa.gov/gmap/list/list.php?search=&point=all&plot=&sort=damcritids&type=damcrit&basin=5&subbasin=0&espqpf=0&espdist=empirical)

**Streamflow:**



Monthly average streamflow compared to historical average streamflow for December 2013.

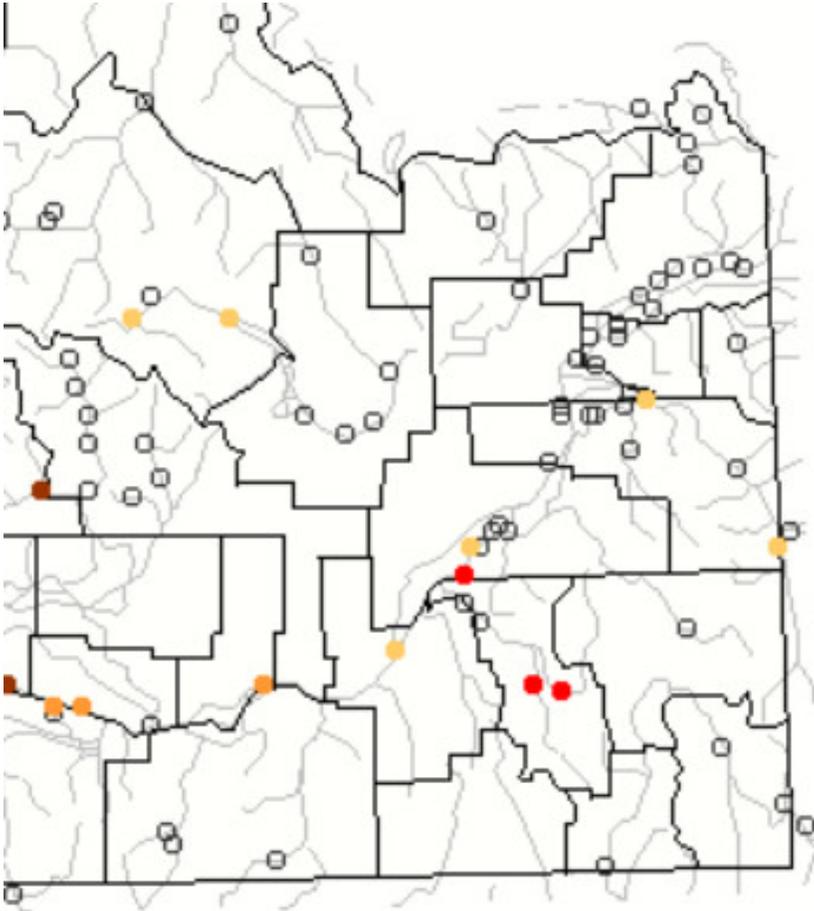


[waterwatch.usgs.gov/?m=mv01d&r=id&w=map](http://waterwatch.usgs.gov/?m=mv01d&r=id&w=map)

Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

**Below Normal 28-Day average streamflow as of December 11, 2013 (see graphic below):**

Portneuf River at Topaz, 86 cfs, 1<sup>st</sup> percentile, (new low),  
 Marsh Crk nr McCammon, 29 cfs, 1<sup>st</sup> percentile, (new low),  
 Spring Crk at Sheepskin Rd nr Fort Hall, 227 cfs, 3<sup>rd</sup> percentile,  
 Camas Crk nr Blaine, 5.7 cfs, 4<sup>th</sup> percentile



Choose a data retrieval option and select a location on the map  
 List of all stations  Single station  Nearest stations

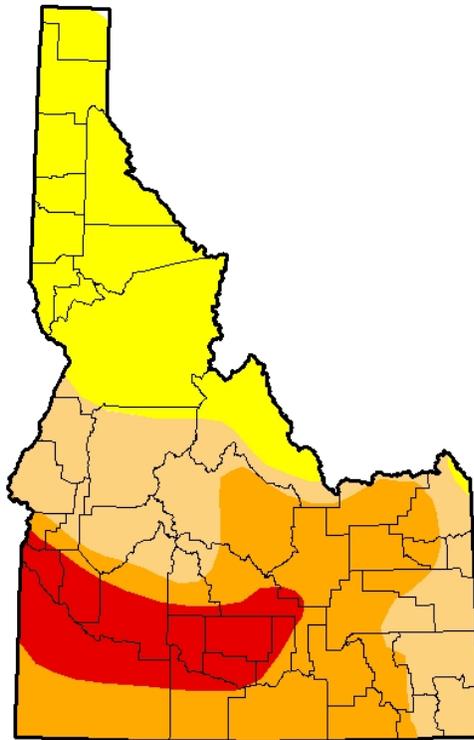
Explanation - Percentile classes				
●	●	●	●	○
New low	≤5	6-9	10-24	Not ranked
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	

[waterwatch.usgs.gov/index.php?m=pa28d\\_dry&r=id&w=map](http://waterwatch.usgs.gov/index.php?m=pa28d_dry&r=id&w=map)

**Drought Information:**

**U.S. Drought Monitor  
Idaho**

**January 7, 2014**  
(Released Thursday, Jan. 9, 2014)  
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.06	99.94	70.47	45.43	13.79	0.00
<b>Last Week</b> <i>12/31/2013</i>	21.66	78.34	70.07	45.43	7.70	0.00
<b>3 Months Ago</b> <i>10/8/2013</i>	21.60	78.40	70.17	41.87	5.09	0.00
<b>Start of Calendar Year</b> <i>12/31/2013</i>	21.66	78.34	70.07	45.43	7.70	0.00
<b>Start of Water Year</b> <i>10/1/2013</i>	12.06	87.94	76.96	43.33	5.09	0.00
<b>One Year Ago</b> <i>1/8/2013</i>	45.19	54.81	36.69	0.52	0.00	0.00

Intensity:

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

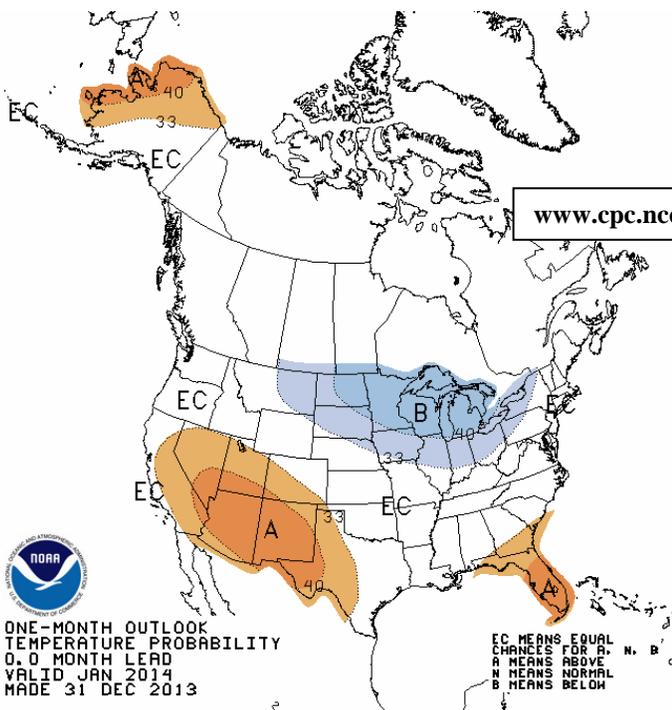
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

**Author:**

Mark Svoboda  
National Drought Mitigation Center



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

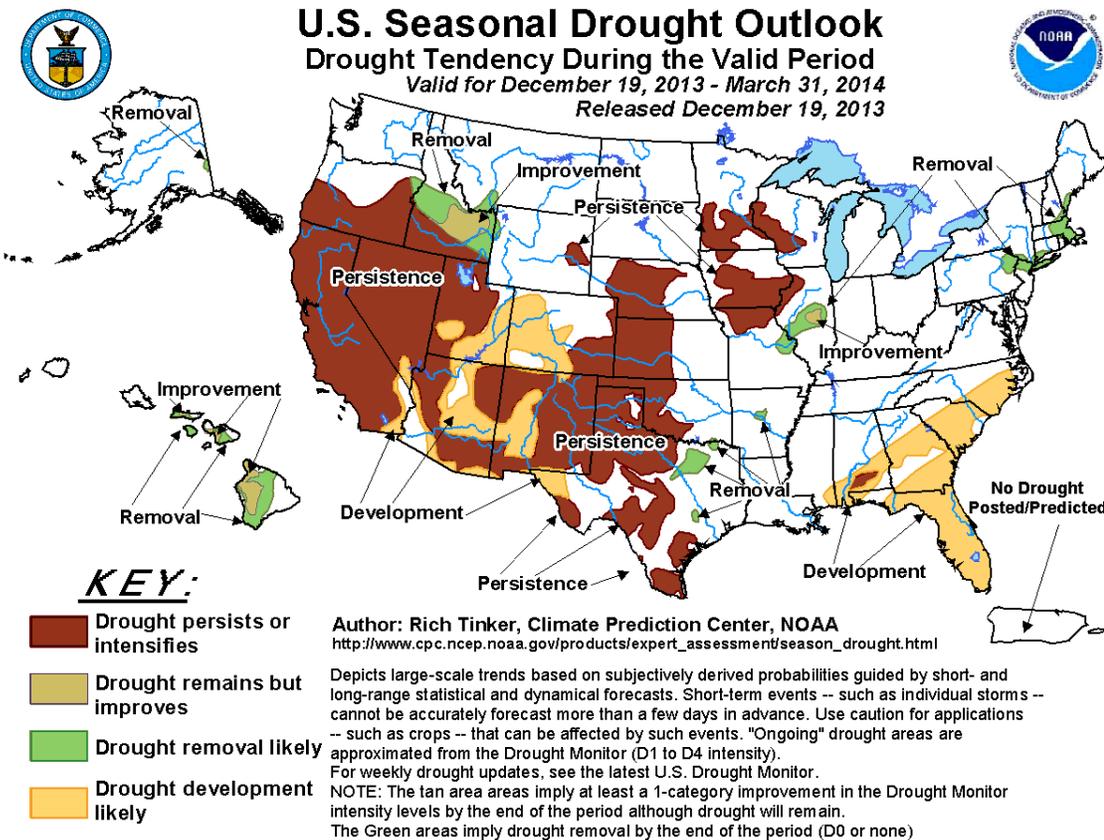
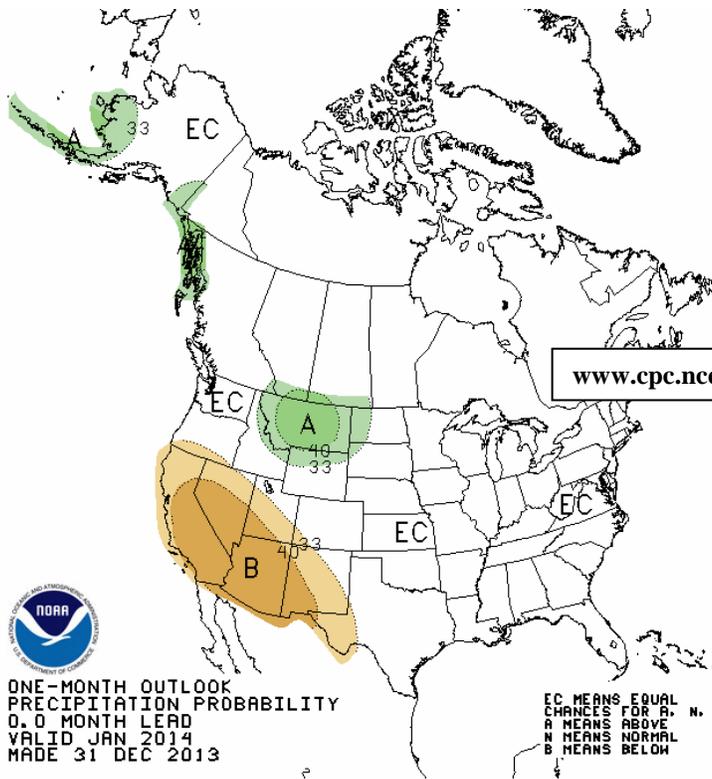


[www.cpc.ncep.noaa.gov/products/predictions/30day/off15\\_temp.gif](http://www.cpc.ncep.noaa.gov/products/predictions/30day/off15_temp.gif)



ONE-MONTH OUTLOOK  
TEMPERATURE PROBABILITY  
0.0 MONTH LEAD  
VALID JAN 2014  
MADE 31 DEC 2013

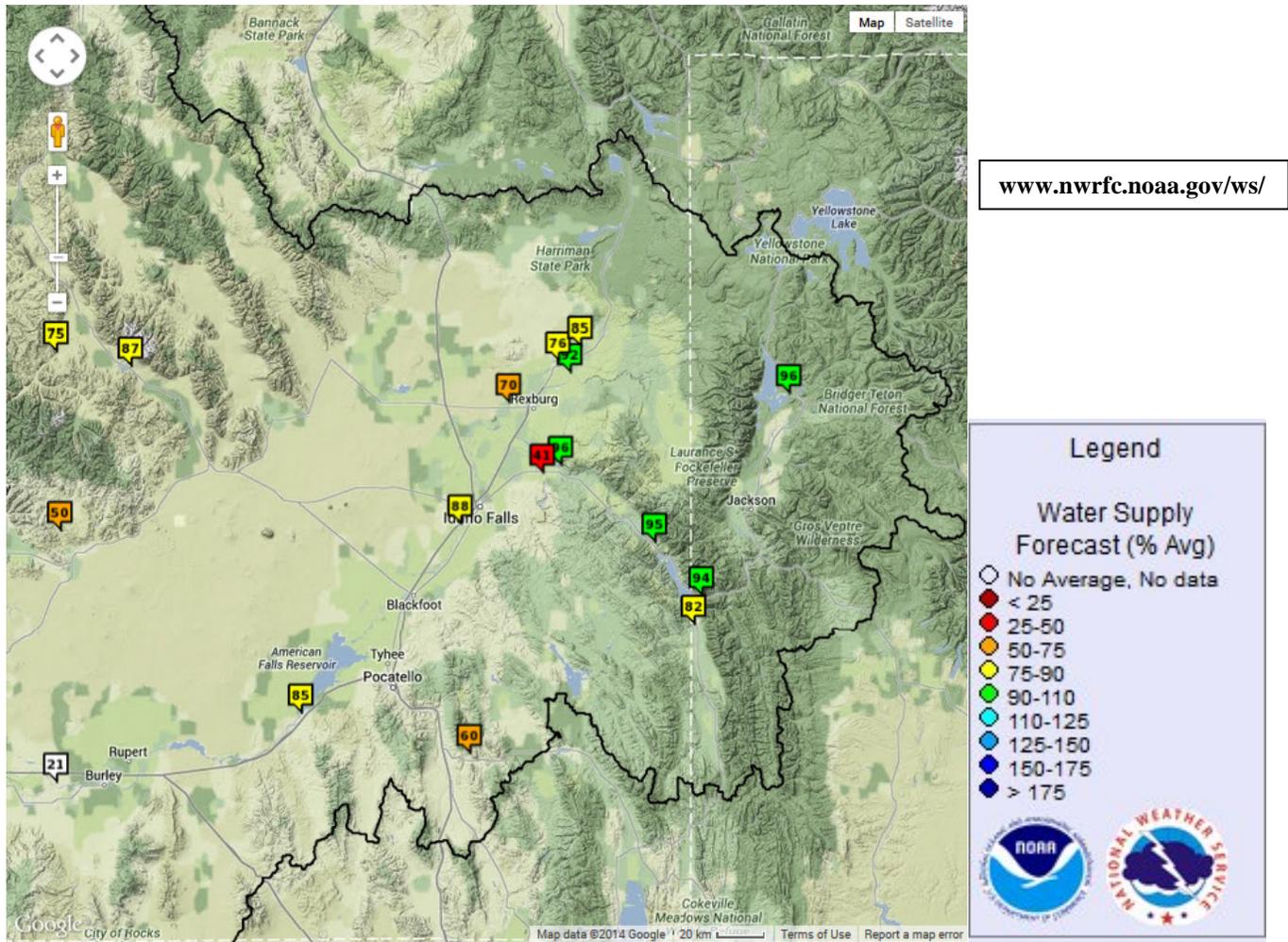
EC MEANS EQUAL  
CHANCES FOR A, N, B  
A MEANS ABOVE  
N MEANS NORMAL  
B MEANS BELOW



[www.cpc.ncep.noaa.gov/products/expert\\_assessment/season\\_drought.png](http://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.png)

**Water Supply:**

**NWRFC Water Supply Volume Forecast Map (1/7/14):**



**NWRFC Water Supply Forecasts:**

Ensemble Date: 2014-01-07 Issued Date: 2014-01-08

<u>ID</u>	<u>Forecast Period</u>	<u>Name</u>	<u>90% Exceedence KAF</u>	<u>50% Exceedence KAF</u>	<u>% Normal</u>	<u>10% Exceedence KAF</u>	<u>30 Year Normal</u>
<a href="#"><u>AMFI1</u></a>	APR-SEP	SNAKE - AT AMERICAN FALLS DAM	1435	2396	85	3676	2806
<a href="#"><u>ANTI1</u></a>	APR-SEP	HENRYS FORK - AT ST. ANTHONY	423	638	76	892	836
<a href="#"><u>CHEI1</u></a>	APR-SEP	FALLS - NEAR CHESTER	230	320	85	455	375
<a href="#"><u>HALI1</u></a>	APR-SEP	BIG WOOD - AT HAILEY	105	186	71	288	263
<a href="#"><u>HEI11</u></a>	APR-	SNAKE - NEAR	2650	3639	96	4598	3785

	SEP	HEISE					
<a href="#"><u>HWRI1</u></a>	APR-SEP	BIG LOST - AT HOWELL RANCH NEAR CHILLY	74.7	136	75	230	180
<a href="#"><u>MACI1</u></a>	APR-SEP	BIG LOST - MACKAY RESERVOIR NEAR MACKAY	70.42	132	87	227	151
<a href="#"><u>MAGI1</u></a>	APR-JUL	BIG WOOD - MAGIC DAM	42.47	131	52	267	250
<a href="#"><u>PALI1</u></a>	APR-SEP	SNAKE - NEAR IRWIN	2415	3327	95	4257	3501
<a href="#"><u>REXI1</u></a>	APR-SEP	HENRYS FORK - AT REXBURG	875	1250	70	1686	1785
<a href="#"><u>RIRI1</u></a>	APR-SEP	WILLOW CREEK - NEAR RIRIE	9.7	28.27	41	71.08	69.00
<a href="#"><u>SFLN2</u></a>	APR-SEP	SALMON FALLS CREEK - NR SAN JACINTO	12.36	38.28	52	89.64	74.00
<a href="#"><u>SHYI1</u></a>	APR-SEP	SNAKE - NEAR SHELLEY	3174	4434	88	5720	5051
<a href="#"><u>TEAI1</u></a>	APR-SEP	TETON - NEAR ST. ANTHONY	295	421	92	551	457
<a href="#"><u>TOPI1</u></a>	APR-SEP	PORTNEUF - AT TOPAZ	33.89	48.87	60	65.93	81.00
<a href="#"><u>WODI1</u></a>	APR-SEP	LITTLE WOOD - NEAR CAREY	17.39	41.49	50	83.92	83.00

[www.nwrfc.noaa.gov/water\\_supply/ws\\_summary.cgi](http://www.nwrfc.noaa.gov/water_supply/ws_summary.cgi)

For a table format of the volume forecasts and current runoff for WFO PIH:

[www.nwrfc.noaa.gov/water\\_supply/ws\\_report.cgi?Type=WFO&Source=Pocatello&Wyr=2014&WyrDate=2014-01-07](http://www.nwrfc.noaa.gov/water_supply/ws_report.cgi?Type=WFO&Source=Pocatello&Wyr=2014&WyrDate=2014-01-07)

## CBRFC Water Supply Forecast Report for Bear River basin (January 1 Forecast):

Area: CBRFC Lake Powell Upper Colorado Green San Juan Great Basin Sevier Virgin Lower Colorado  
 Sub-Area: Bear Weber Six Creeks Utah Lake Great Salt Lake  
 Plots: Auto Off On

### Water Supply Point %Avg/Median

▲ < 70 ▲ 70-90 ▲ 90-110 ▲ 110-130 ▲ >130 ▲ Regulated

All forecasts and averages are in thousand acre-feet (kaf)  
 MP=Most Probable

NWS ID	Location	Percent Avg/Med	Official Forecast Date	Official Min 90%	Official MP 50%	Official Max 10%	Official Percent Average	Official Percent Median	Average	Median
1	LGNU1 Logan - Logan- Nr- State Dam- Abv	▲	2014-01-01	36	68	110	61%	70%	111	97
2	PRZU1 Little Bear - Paradise	▲	2014-01-01	11.1	18.2	42	39%	36%	47	51
3	HRMU1 Blacksmith Fork - Hyrum- Nr- Upnl Dam- Abv	▲	2014-01-01	15.2	24	45	56%	83%	43	29
4	BERU1 Bear - Utah-wyoming State Line- Nr	▲	2014-01-01	61	104	141	93%	98%	112	106
5	BEAW4 Bear - Woodruff Narrows Rsvr- Abv	▲	2014-01-01	46	96	154	79%	87%	121	110
6	BORW4 Smiths Fork - Border- Nr	▲	2014-01-01	43	74	104	83%	93%	89	80
7	STDI1 Bear - Montpelier- Nr- Stewart Dam- Blo	▲	2014-01-01	83	124	255	68%	106%	182	117

[www.cbrfc.noaa.gov/gmap/list/list.php?search=&point=all&plot=&sort=wsupids&type=wsup&basin=5&subbasin=0&espqpf=0&espdist=empirical](http://www.cbrfc.noaa.gov/gmap/list/list.php?search=&point=all&plot=&sort=wsupids&type=wsup&basin=5&subbasin=0&espqpf=0&espdist=empirical)

## NRCS-NWCC Water Supply Forecast Report for upper Snake River basin (January 1 Forecast):

### WOOD AND LOST RIVER BASINS

Forecast Point	period	50% (KAF)	% of avg	max (KAF)	30% (KAF)	70% (KAF)	min (KAF)	30-yr avg
Big Wood R at Hailey	APR-SEP	145	55	300	190	80	25	265
Big Wood R ab Magic Res	APR-SEP	58	32	180	110	18.0	8.0	182
Camas Ck nr Blaine	APR-SEP	16.5	20	75	35	4.8	1.70	83
Big Wood R bl Magic Dam (2)	APR-SEP	82	31	265	160	18.0	7.0	265
Little Wood R ab High Five Ck	<b>MAR-SEP</b>	40	49	90	60	18.0	7.0	82
	APR-SEP	35	47	85	55	18.0	7.0	75
Little Wood R near Carey	<b>MAR-SEP</b>	42	46	100	65	17.0	7.0	92
Big Lost R at Howell Ranch	APR-SEP	121	67	210	156	86	34	180
Big Lost R Below Mackay Res	APR-SEP	93	62	179	128	58	7.0	150
Little Lost R nr Howe	APR-SEP	26	76	42	32	21	14.0	34
Camas Ck at Camas	<b>APR-JUL</b>	14.5	52	39	24	4.6	1.00	28

### UPPER SNAKE RIVER BASIN

Forecast Point	period	50% (KAF)	% of avg	max (KAF)	30% (KAF)	70% (KAF)	min (KAF)	30-yr avg
Henrys Fork nr Ashton (2)	APR-SEP	645	91	850	725	570	470	710
Henrys Fork nr Rexburg (2)	APR-SEP	1650	92	1970	1780	1520	1330	1790
Falls R nr Ashton (2)	APR-SEP	400	92	510	445	360	305	435
Teton R nr Driggs	APR-SEP	154	80	240	186	125	88	193
Teton R nr St. Anthony	APR-SEP	365	84	545	435	305	220	435
Snake R at Flagg Ranch	APR-SEP	465	91	615	525	405	315	510

Snake R nr Moran (1,2)	APR-SEP	765	91	1070	860	670	455	845
Snake R nr Irwin (1,2)	APR-SEP	3120	89	4200	3460	2780	2040	3500
Snake R nr Heise (2)	APR-SEP	3350	89	4260	3720	2980	2440	3780
Willow Ck nr Ririe	<b>MAR-JUL</b>	39	58	90	60	18.5	6.0	67
Blackfoot R ab Res nr Henry	<b>APR-JUN</b>	37	62	77	51	25	11.5	60
Snake R nr Blackfoot (1,2)	APR-SEP	4380	84	6110	4920	3840	2650	5220
Portneuf R at Topaz	<b>MAR-SEP</b>	66	71	107	81	52	35	93
Snake R at Neeley (1,2)	APR-SEP	2360	84	4230	2940	1780	490	2810

SOUTHSIDE SNAKE RIVER BASINS

Forecast Point	period	50% (KAF)	% of avg	max (KAF)	30% (KAF)	70% (KAF)	min (KAF)	30-yr avg
Goose Ck ab Trapper Ck nr Oakley	<b>MAR-SEP</b>	12.5	52	27	18.4	7.6	2.5	24
Trapper Ck nr Oakley	<b>MAR-SEP</b>	5.2	73	7.6	6.2	4.2	2.8	7.1
Oakley Reservoir Inflow	<b>MAR-SEP</b>	17.7	57	35	25	10.9	0.78	31

BEAR RIVER BASIN

Forecast Point	period	50% (KAF)	% of avg	max (KAF)	30% (KAF)	70% (KAF)	min (KAF)	30-yr avg
Bear R nr UT-WY State Line	APR-SEP	106	86	158	130	90	62	123
Bear R bl Stewart Dam	APR-SEP	160	78	357	252	108	2.7	205

Max (10%), 30%, 50%, 70% and Min (90%) chance that actual volume will exceed forecast.  
Averages are for the 1981-2010 period.  
All volumes are in thousands of acre-feet.

footnotes:

- 1) Max and Min are 5% and 95% chance that actual volume will exceed forecast
- 2) streamflow is adjusted for upstream storage
- 3) median value used in place of average

<ftp://ftp-fc.sc.egov.usda.gov/ID/snow/watersupply/forecasts/ID01.txt>

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