

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE MONTHLY REPORT OF HYDROLOGIC CONDITIONS	HYDROLOGIC SERVICE AREA: Pocatello, Idaho
	REPORT FOR: MONTH: May YEAR: 2013
TO: Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	SIGNATURE Corey Loveland Service Hydrologist
DATE: June 7, 2013	
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:

This past month much of southeastern Idaho received some much needed rainfall beginning about mid-month, especially in the Henrys Fork area and the Bear River basin. We have had a mix of above and below normal temperatures, but that is quite typical of eastern Idaho springs. But overall, below normal precipitation has continued throughout eastern Idaho for the month of May (especially the central mountains and the Snake River plain). You'll notice just to the north of us and east of the Continental Divide into Montana they received some abundant rainfall last month. It appears that one to three inches of precipitation has fallen in the mountainous regions of the Hydrologic Service Area (HSA) last month. It also appears we are upwards of two inches in deficit (with the Snake River plain being the most lacking) and the majority of southeastern Idaho being 25-50% of normal for the past month. Many central mountain SNOTEL sites set record lows for the January-May timeframe. The Raft River and Goose Creek basins received the least amount of precipitation; around 34% of normal for May. On the other end, the Little Lost & Birch basins received about 104% of normal precipitation. Again, mid to late month cooler than normal temperatures and passing thunderstorms have helped keep the extreme high elevation snow in place and added some relief, but was not enough to bring up the seasonal averages. The El Niño neutral pattern is forecast to continue through at least the end of the year.

The current highest stream volume forecast, close to within the HSA, is the Greys River nr Alpine, WY which is at 77% of average for the Apr-Sep forecast (ranked 33 out of 43 years). The lowest streamflow forecast continues to be the Bear River below Stewart Dam currently at 9% of average for June through July. The SNOTEL site having the greatest amount of current swe is the Mill Creek Summit site (elevation 8800 ft) at 32% of average (it was Meadow Lake previously at 84%). The site with the lowest swe value (that is not melted out) is Morgan Creek (elevation 7580 ft) at about 1% of avg. The only sites not melted out besides the two mentioned are: Vienna Mine, Galena Summit and Dollarhide. As far as the one-month Climate Prediction Center outlook is concerned, we stand to have about a 40% chance of having both above normal temperatures and below normal precipitation in eastern Idaho.

Streamflow peaks occurred this past month; the Big Lost at Howell Ranch peaked at 1,370 cfs on May 15th, the Big Wood at Hailey at 1,458 cfs on the 15th and Henrys Fork near Rexburg at 3,498 cfs on the 16th.

Of the data available for the month, the highest 24-hour precipitation total was 1.76 inches on the 19th day of the month at the Driggs station with a total of 2.78 inches for the month. The highest snowfall occurred at the Idaho

Falls 2 ESE station at 1.5 inches, which was also the monthly total as well. The station reaching the highest 24-hour temperature was both the Shoshone 1 WNW and Minidoka Dam stations reaching at 91°F on the 13th and 14th respectively. The station with the lowest recorded temperature (non-SNOTEL) was at the Stanley station at a cold 9°F on May 1st.

Unfortunately, throughout May, reservoirs decreased capacity overall by around 4% (this was due to both early irrigation demand (warm temperatures) and subsequent calling out of water rights and less than normal snowpack to replenish what was drawn out from last year's demands) in the upper Snake River basin system (a decrease of about 150 KAF occurred over the month and is sitting at 70% of capacity overall). Compared to last year at this time, it was about 88% of capacity. Most notable change were the American Falls and Magic Reservoirs decreasing 21% and 13% of capacity respectively. They are currently at 84 and 23 percent of average capacity, respectively, according to NRCS data. Little Wood and Jackson Lake added 18% and 17% to their capacity this past month. Magic Reservoir is at its fifth lowest June 1st level with irrigation supply forecast to last until mid-July. Mackay, Little Lost and Little Wood reservoir irrigation shortages will more than likely occur; as is the story for most water supply in the area which includes the upper Snake.

Residual June-July streamflow forecast for the Wood and Lost River basins ranges 25-50% of average while the Bear River basin has improved a little bit and is in the 20-60% range now. Again, the Bear below Stewart Dam June-July streamflow forecast is about 9% of average. The upper Snake River basin has continued to fare the best as the June-July forecast for the upper Snake River ranges from 60-75% of average. May streamflow was 87% of average for the Snake River near Heise and 76% for the Teton River near Driggs. Water supply shortages are expected in the upper Snake. Streamflows in central and southern Idaho are forecast to be near record low levels throughout the summer.

As a result of the dismal seasonal precipitation the drought categories have changed significantly this past month. The state has increased 3% more in drought intensity in the abnormally dry category and 27% in the moderate category. With the last revision, the state has entered into the severe category (D2) by 8%. The U.S. Seasonal Drought Outlook continues to forecast a persistence of drought conditions (and even likely development) throughout eastern Idaho. Looking at the long-term climate forecast, it appears the trend of warmer and drier than normal conditions should persist. State drought emergencies have been declared in Clark (most recent), Butte, Lincoln, Fremont and Blaine counties thus far.

The latest Wildland Fire Potential Outlook forecasts (beginning late July) above normal and significant fire potential developing in central Idaho with above normal potential expanding to much of southwestern Montana in August. Despite recent intermittently cool conditions, mountain snowpack has come off at a slightly faster than normal rate this year which should hasten us into the fire season. Studies show that this factor increases the probability for more and larger fires on the mountain slopes during the fire season.

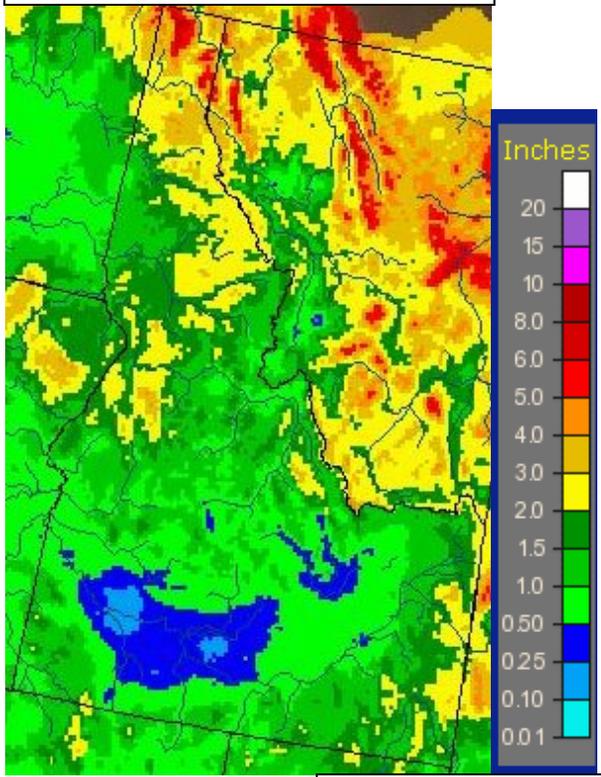
According to the Idaho NRCS Snow Survey June 1st Idaho Surface Water Supply Index (SWSI); combining streamflow volume forecasts and reservoir storage (where appropriate), rates the greatest valued basin for water supply within the HSA as being the Bear River basin. This basin was given a SWSI value of 0.4 [near normal water supply and a slight improvement from last month]. The lowest ranked basins within the HSA are the Big and Little Wood basins which are rated at -3.3 and -2.3 (below normal water supply), respectively. The Teton, Henrys Fork and upper Snake basins have improved slightly this past month. From a water supply stance, the hydrologic basins within the HSA are tracking below normal for mountain snowpack conditions.

For more information on the June 1st Idaho Water Supply Outlook, please go to:
<ftp://ftp-fc.sc.egov.usda.gov/ID/snow/watersupply/bor/2013/borid613.pdf>

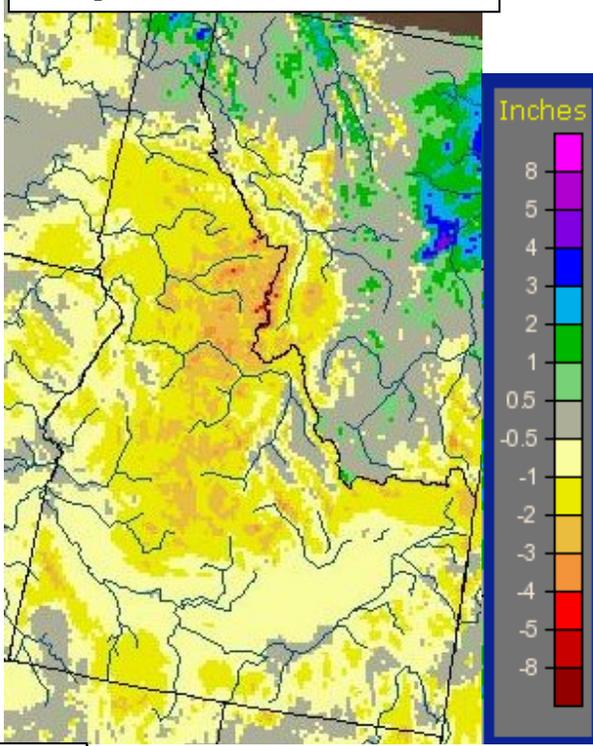
See NWRFC, CBRFC, and NRCS water supply stream volume forecasts below.

Precipitation:

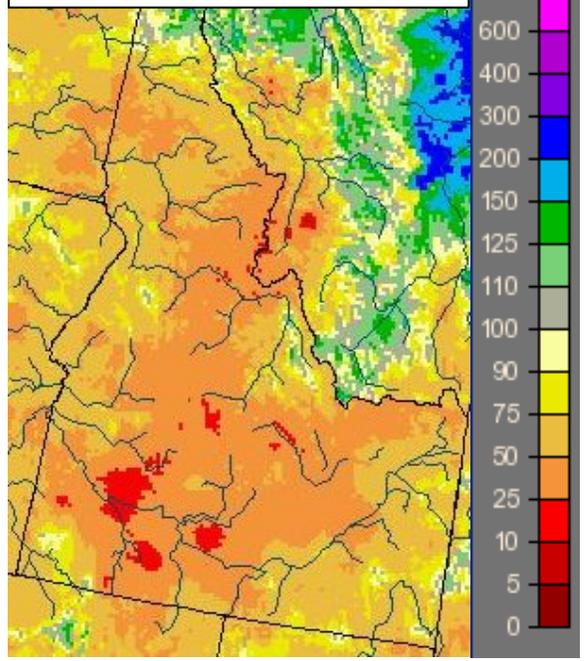
May 2013, Observed Precipitation



May 2013, Departure from Normal Precipitation

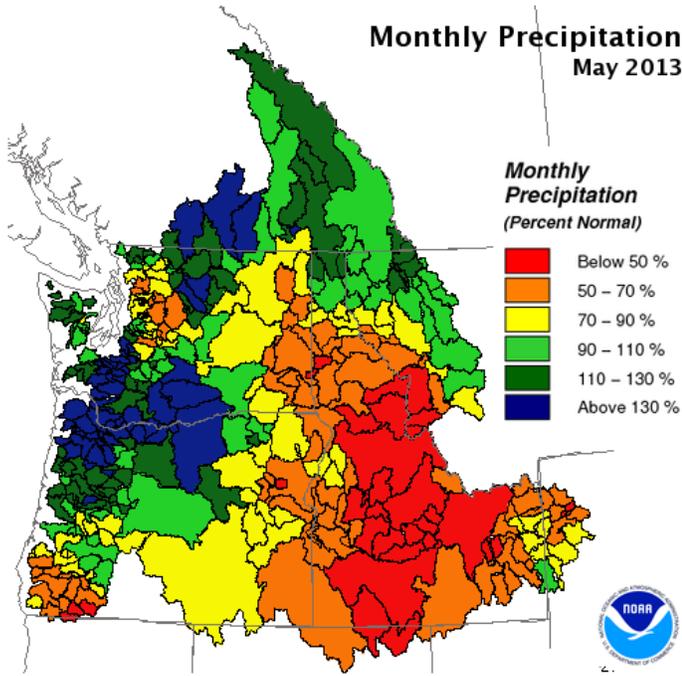


May 2013, Percent of Normal Precipitation



www.water.weather.gov/precip/index.php

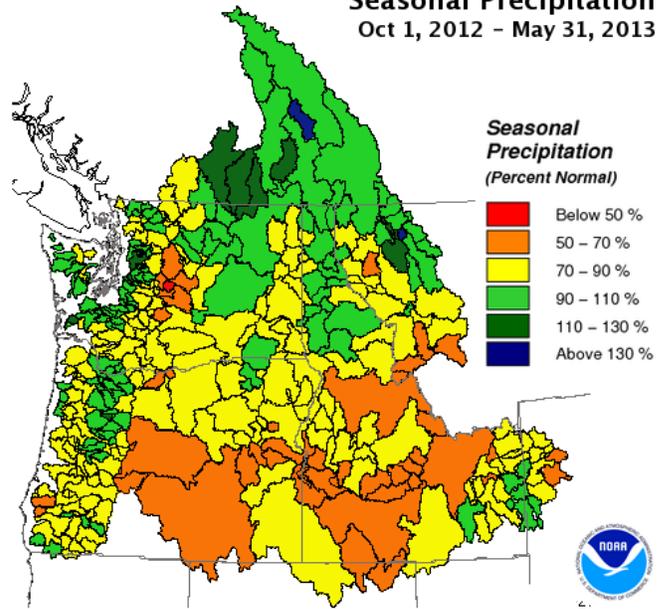
Monthly Precipitation May 2013



Creation Time: Monday, Jun 3, 2013

Northwest River Forecast Center

Seasonal Precipitation Oct 1, 2012 - May 31, 2013



Creation Time: Saturday, Jun 1, 2013

Northwest River Forecast Center

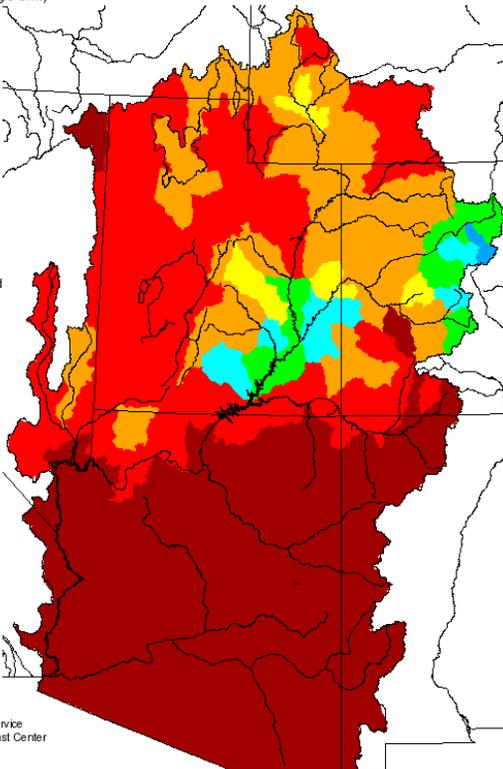
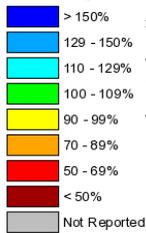
www.nwrfc.noaa.gov/WAT_RES_wy_summary/20130603/MonthMAP_2013May_2013060317.png

www.nwrfc.noaa.gov/WAT_RES_wy_summary/20130603/SeasonalMAP_WY2013_OCT_MAY.2013060317.png

Monthly Precipitation for May 2013

(Averaged by Hydrologic Unit)

% Average

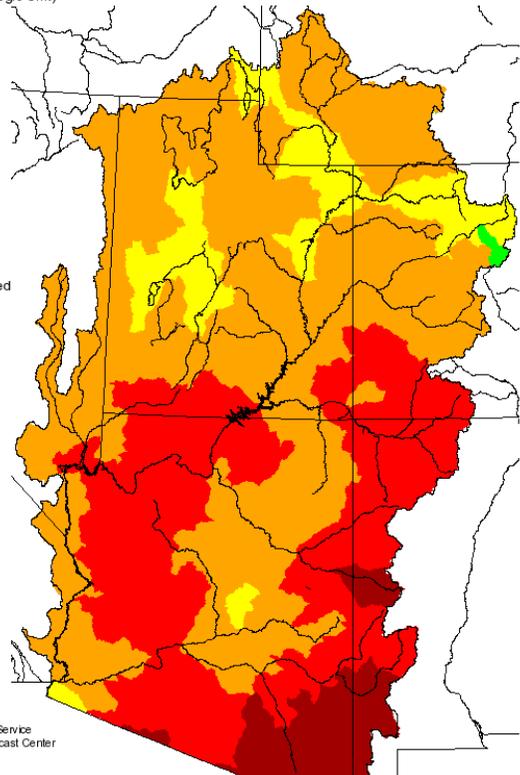
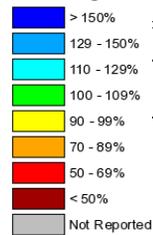


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2012 - May 2013

(Averaged by Hydrologic Unit)

% Average



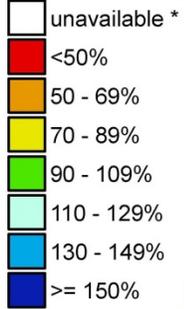
Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

www.cbrfc.noaa.gov/wsup/pub2/outlook3.php?region=sl&month=6&year=2013#precip

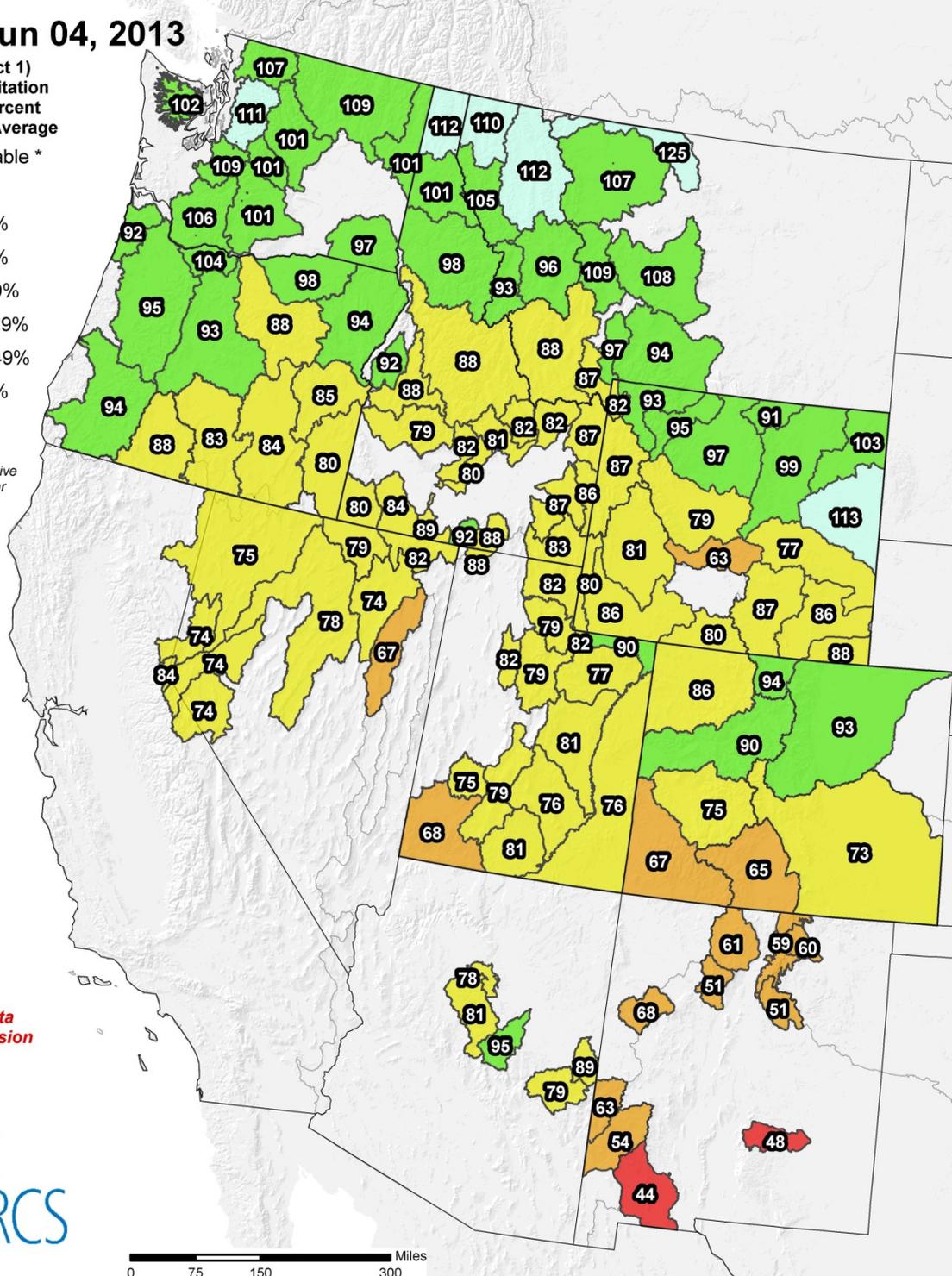
Westwide SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

Jun 04, 2013

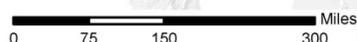
Water Year (Oct 1) to Date Precipitation Basin-wide Percent of 1981-2010 Average



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



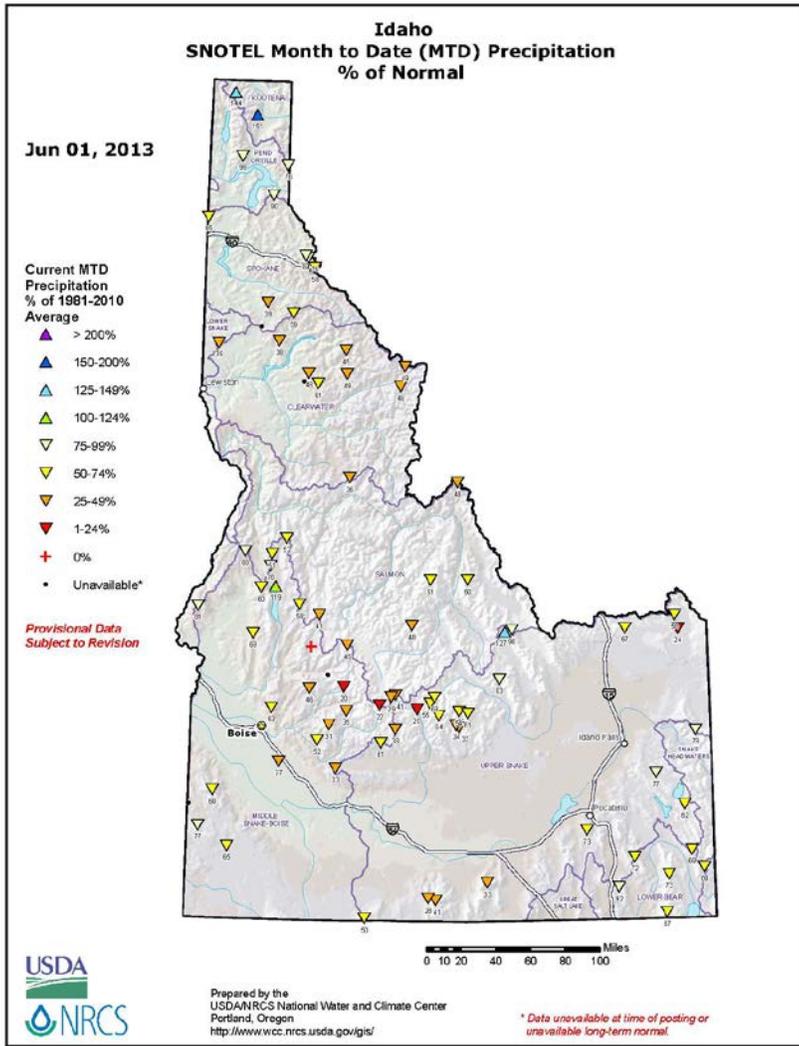
Provisional data subject to revision



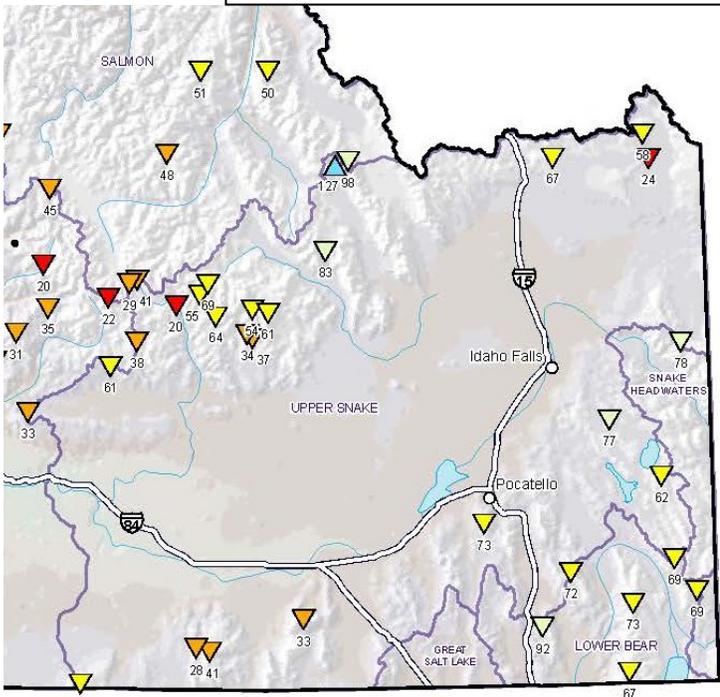
The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

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



ftp://ftp.wcc.nrcs.usda.gov/data/water/wcs/gis/maps/1stmonth/id/prec/id_mtdprecpcnormal_Jun.pdf

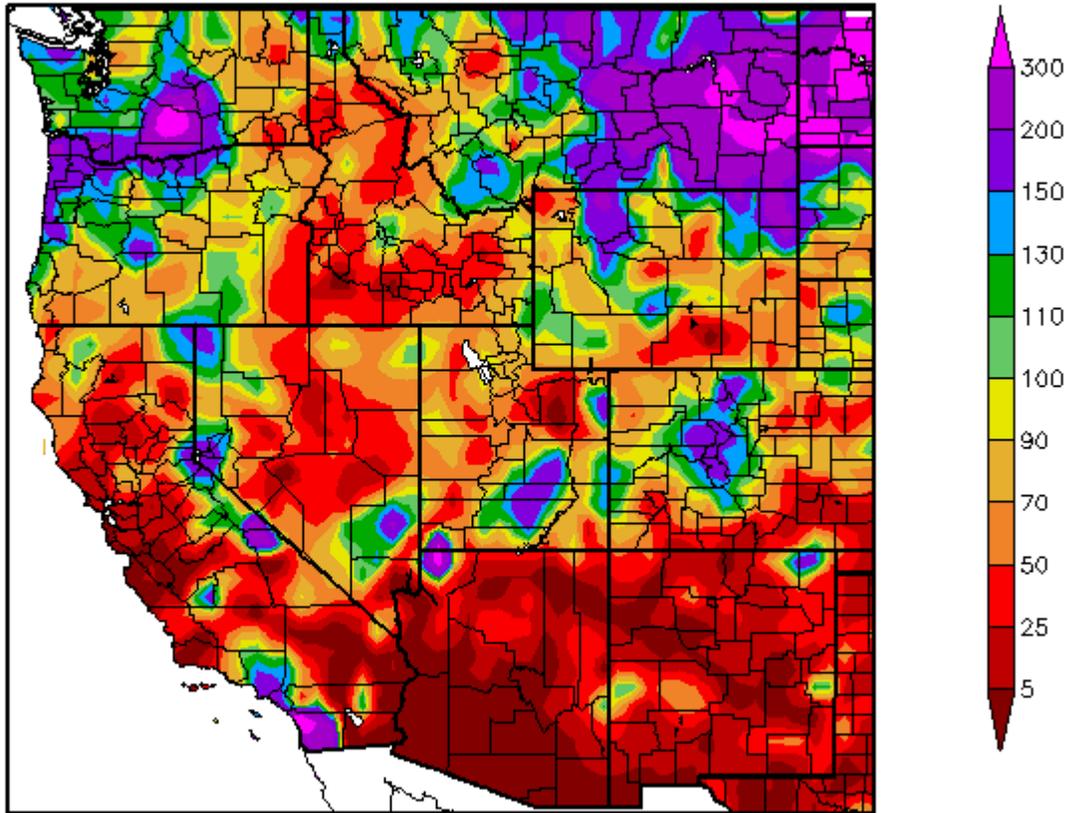


**SNOTEL MTD % of Normal
Precipitation for end of May 2013**
(image below is cropped from above image)

Note: The ENSO Neutral climate pattern is forecast to continue through the end of the year. (see below graphic on page 11).

Once again, last month's overall precipitation was disappointing, as we look at May's Percent of Normal precipitation graphic below, the area receiving the least amount of precipitation was the Snake River plain with most of eastern Idaho receiving less than normal amounts of precipitation. Also, compare MT to AZ and NM.

Percent of Normal Precipitation (%) 5/1/2013 – 5/31/2013



Generated 6/2/2013 at HPRCC using provisional data.

Regional Climate Centers

www.hprcc.unl.edu/maps/current/index.php?action=update_type&map_type=

Idaho SNOTEL Snow Water Equivalent (SWE) % of Normal

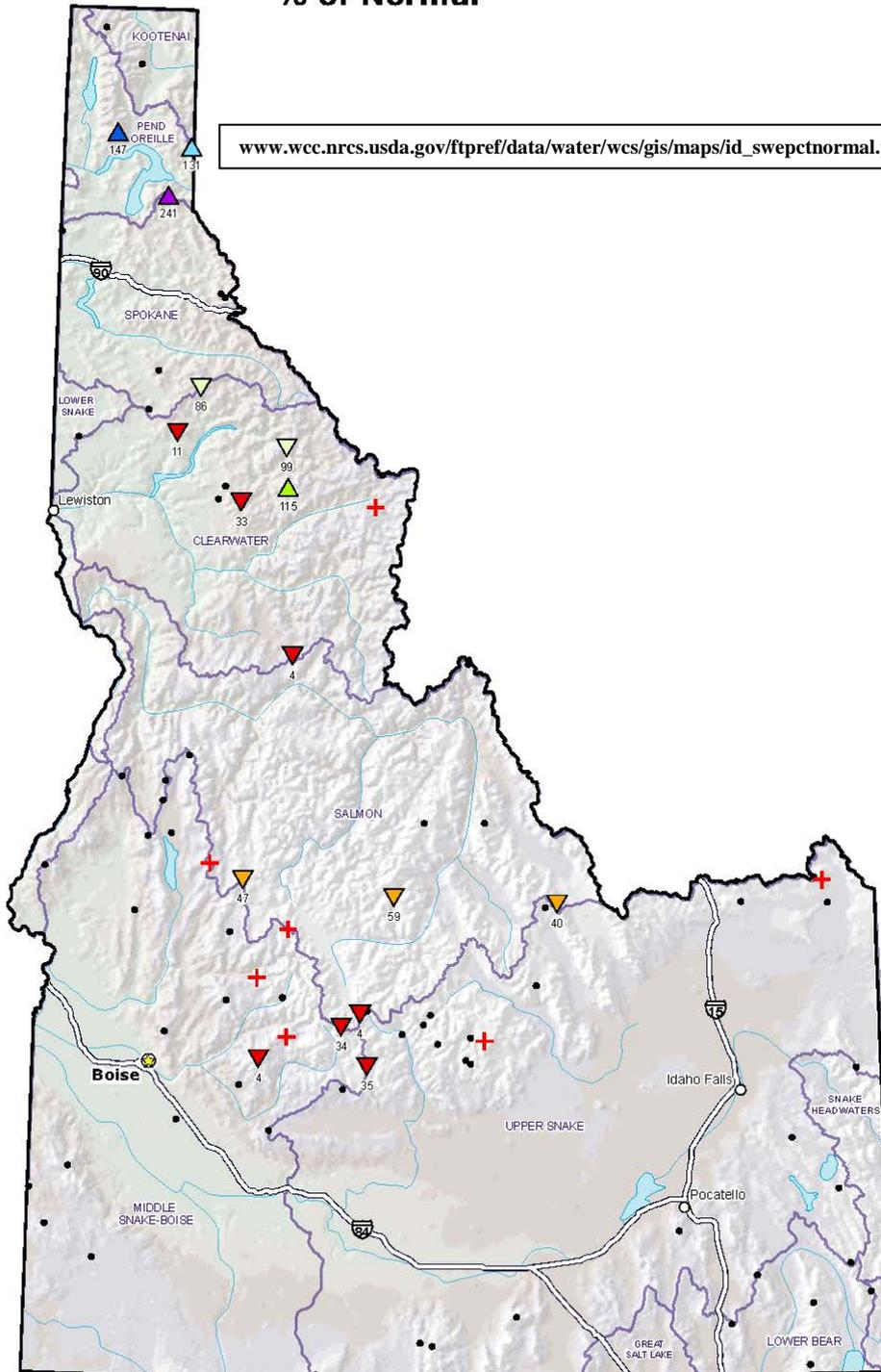
Jun 04, 2013

www.wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/id_swepctnormal.pdf

**Current SWE
% of 1981-2010
Median**

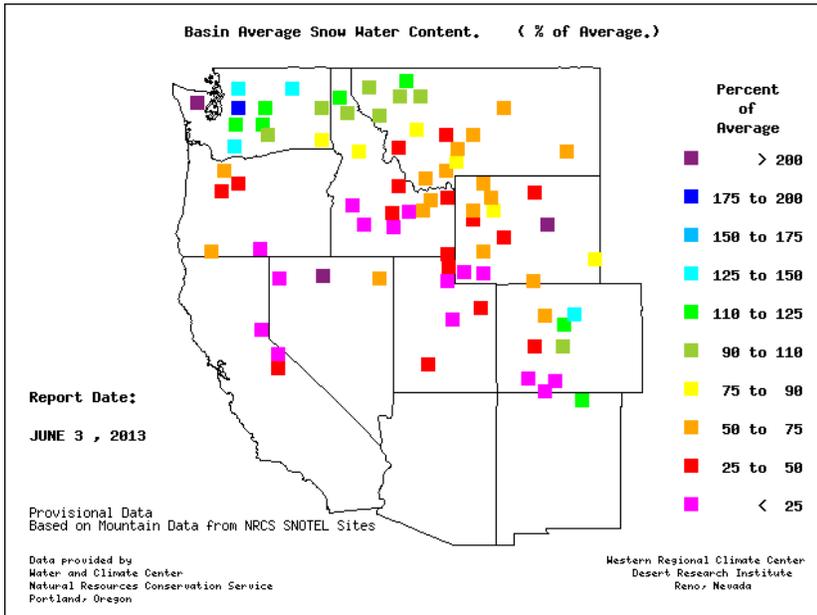
- ▲ > 160%
- ▲ 140-160%
- ▲ 120-139%
- ▲ 100-119%
- ▼ 80-99%
- ▼ 60-79%
- ▼ 40-59%
- ▼ 1-39%
- + 0%
- Unavailable*

*Provisional Data
Subject to Revision*

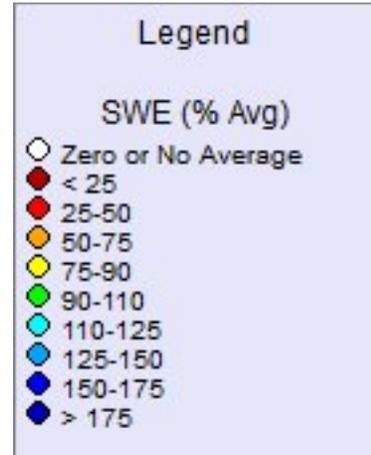


Prepared by the
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov/gis/>

** Data unavailable at time of posting or
unavailable long-term normal.*

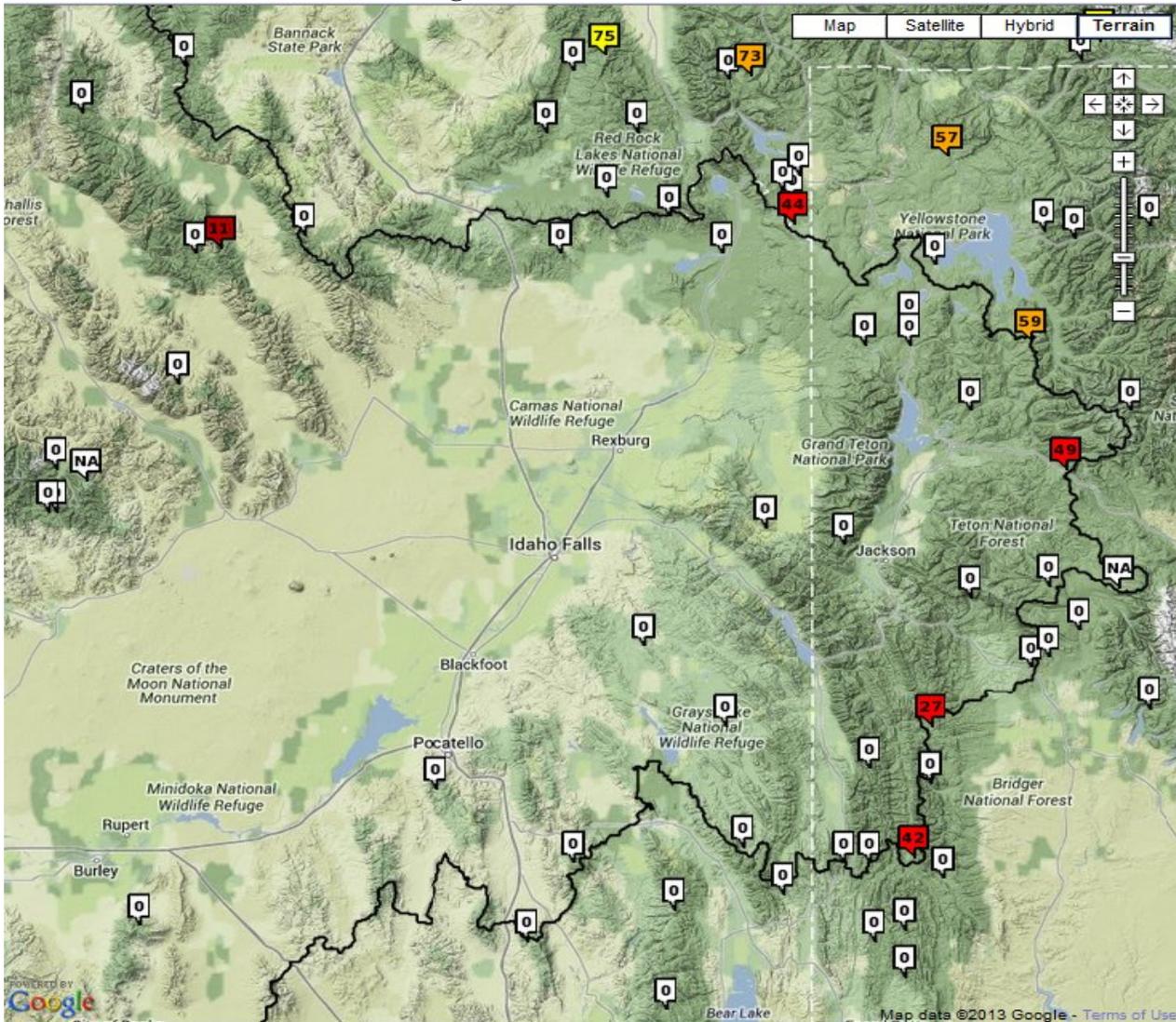


www.wrcc.dri.edu/snotelanom/basinswe.html

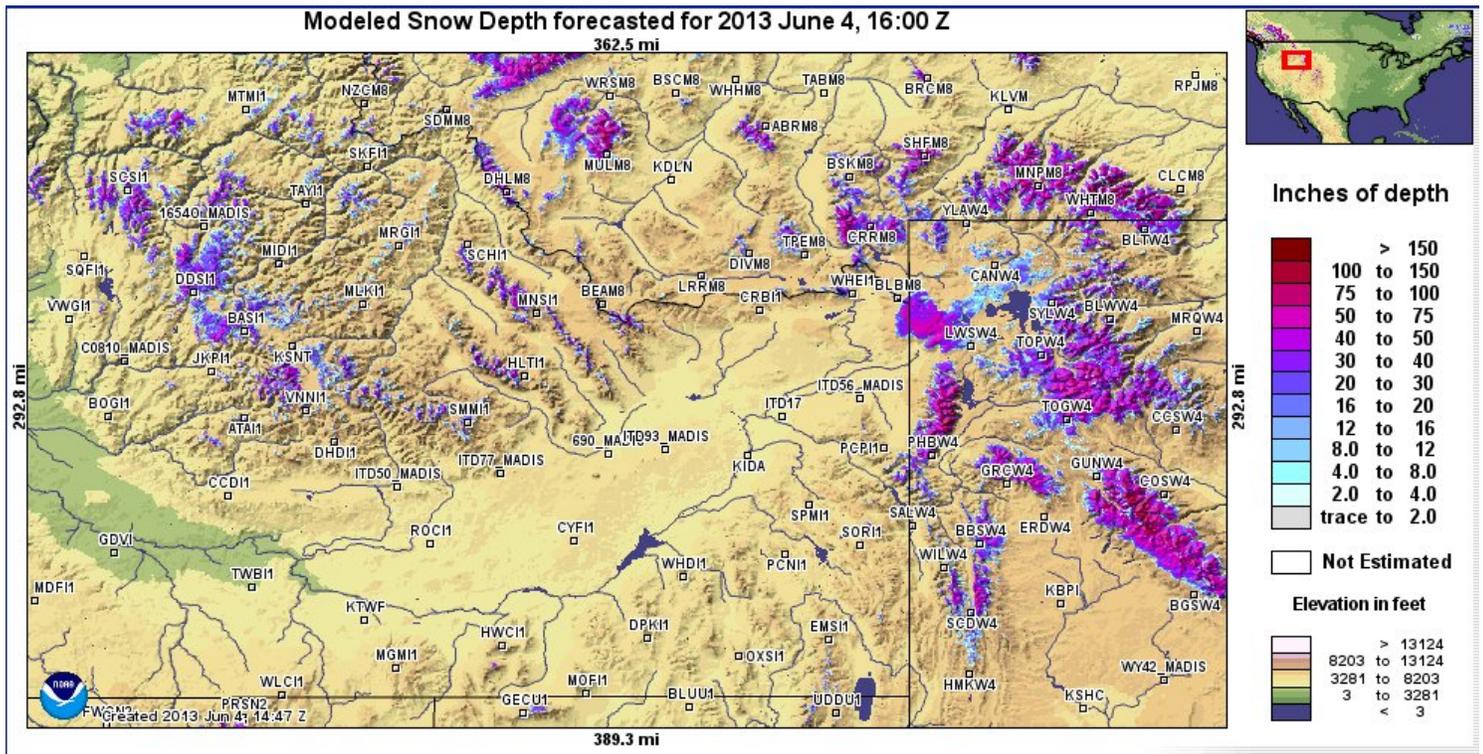


Current SWE Conditions: % of Avg (6/4/13) (SNOTEL):

(NWRFC)



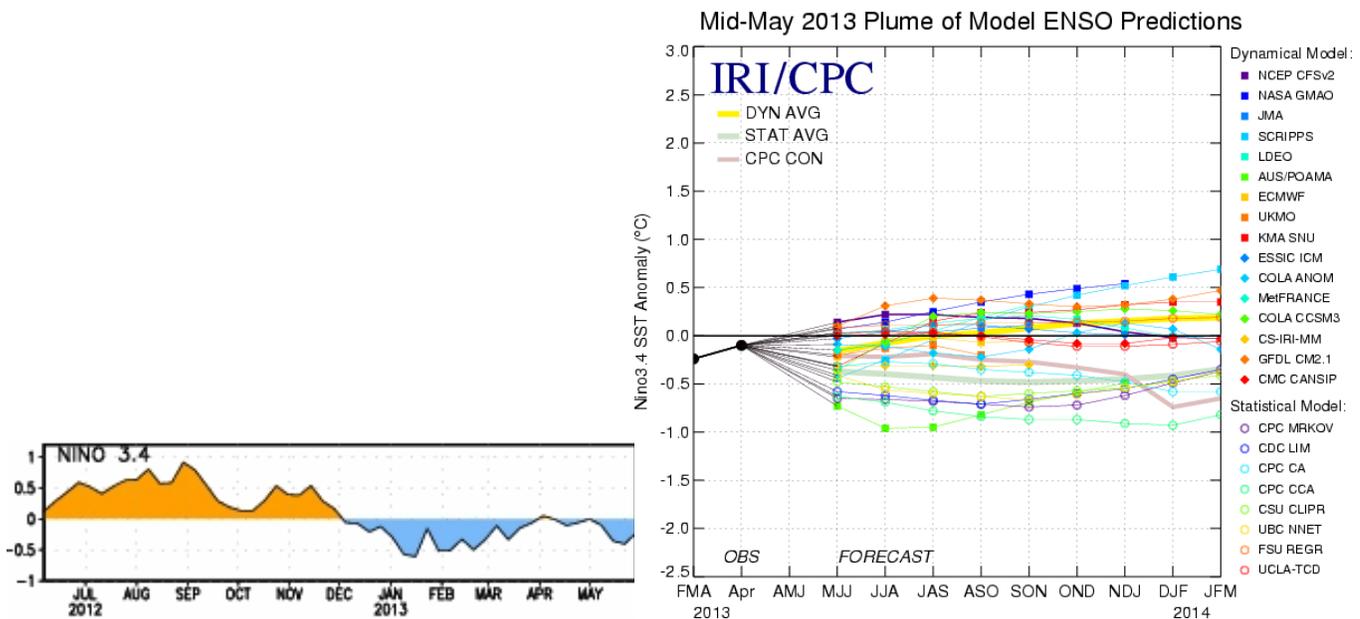
www.nwrfc.noaa.gov/snow/



www.nohrsc.noaa.gov/interactive/html/map.html

ENSO Update:

Latest Observed SST Departure: Niño 3.4 ~ 0.2 Deg C



cpc.ncep.noaa.gov and iri.columbia.edu/climate/ENSO

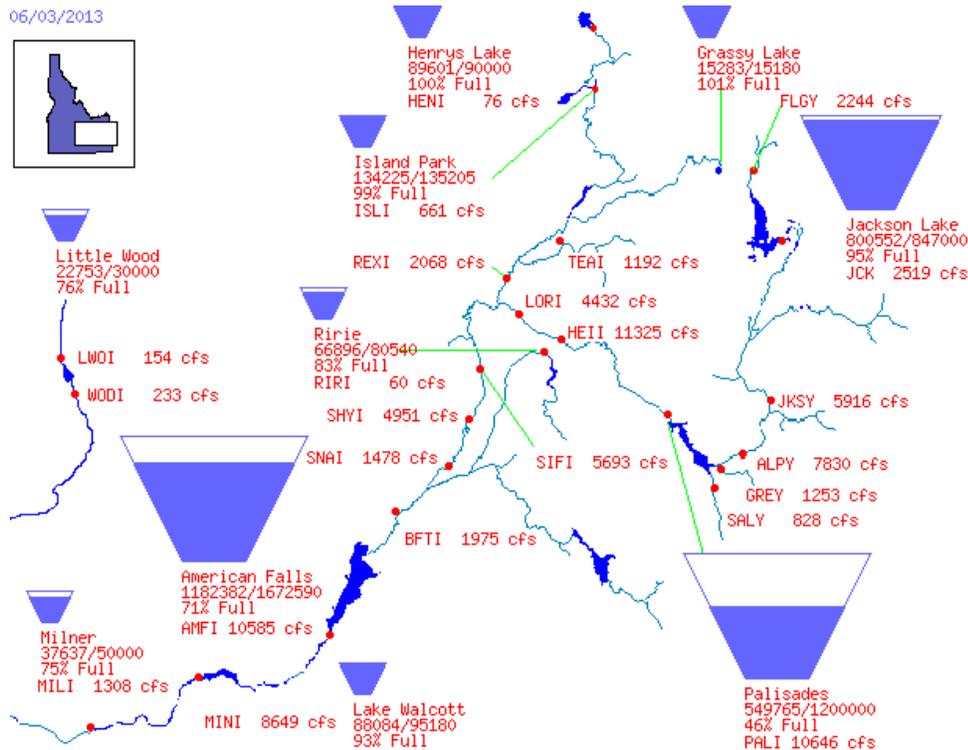
CPC Synopsis: ENSO-Neutral conditions favored through end of 2013

Reservoirs:

Reservoir	% Capacity Apr 30 ¹	% Capacity May 31 ²	Percent Change	% of Average ²	% of Last Year ²
Henry's Lake	100	99	-1	105	101
Island Park	93	100	7	101	101
Jackson Lake	77	94	17	132	99
Palisades	54	54	0	73	64
Ririe	77	83	6	96	83
Blackfoot	71	71	0	105	77
American Falls	94	73	-21	84	88
Bear Lake	68	68	0	117	82
Magic	29	16	-13	23	16
Little Wood	96	78	18	85	80
Mackay	86	82	-4	106	83
Oakley	40	38	-2	76	73
Lake Walcott	96 ³	93 ⁴	-3	n/a	n/a
Milner	74 ³	75 ⁴	1	n/a	n/a

Source: (1) NRCS April 30, 2013; (2) NRCS May 31, 2013.
 (3) US Bureau of Reclamation (BOR) May 5, 2013 (4) BOR June 3, 2013

www.wcc.nrcs.usda.gov/ftpref/data/water/basin_reports/idaho/wy2013/bareid5.txt

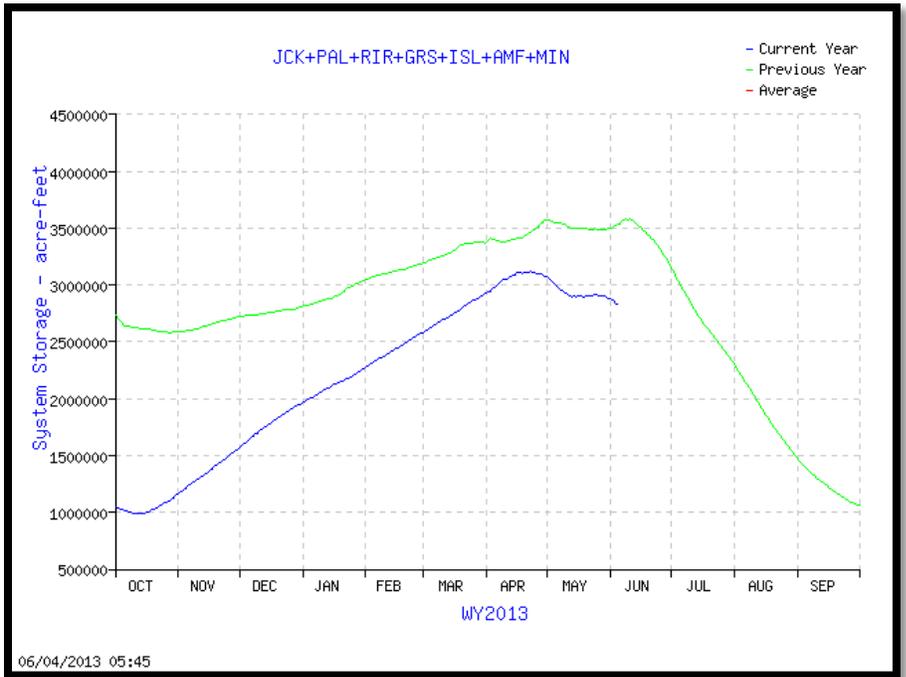


70% of Capacity in Upper Snake River System
 (Jackson Lake, Palisades, Ririe, American Falls & Lake Walcott)

Upper Snake River:
 Total Space Available: 1,208,505 AF
 Total Storage Capacity: 4,045,695 AF

www.usbr.gov/pn/hydromet/burtea.html

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



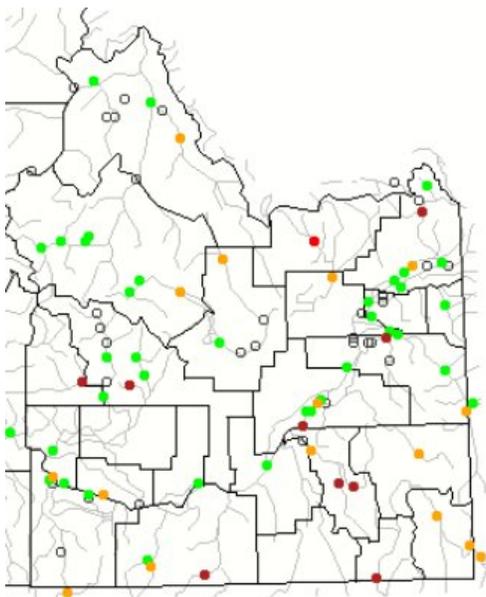
www.usbr.gov/pn-bin/graphwy2.pl?snasys_af

Bear River Basin End of Month (May) Reservoir Contents (KAF):

	<u>EOM Contents</u>	<u>Percent EOM Average</u>	<u>Percent Usable Capacity</u>	<u>Last Year EOM</u>	<u>Last Year %Average</u>	<u>EOM Average</u>	<u>Usable Capacity</u>
Bear Lake, Nr Lifton	965.9	116	74	1057.8	127	829.8	1302.0

www.cbrfc.noaa.gov/wsup/pub2/outlook3.php?region=sl&month=6&year=2013#contents

Streamflow:



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

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

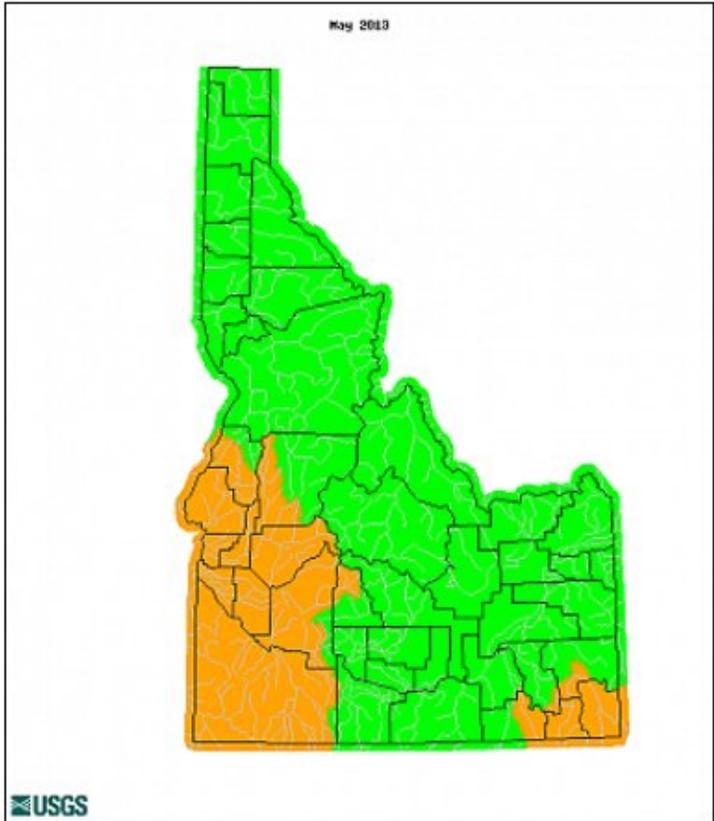
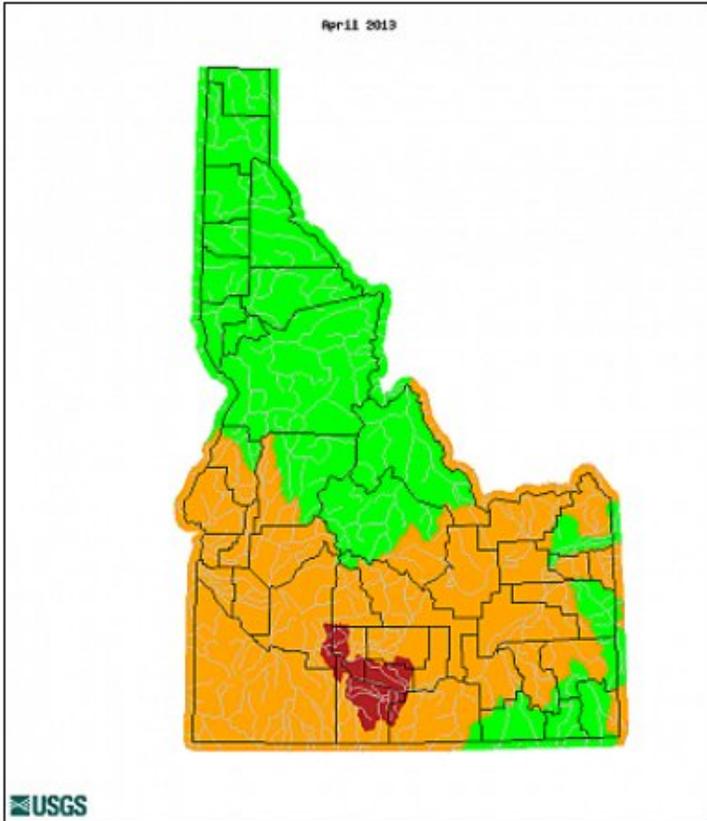
Historic Streamflow Comparison-April 2013 and May 2013:

Comparison of Monthly Streamflow Maps

Geographic Area: Water Resource Region: Map Type:

Date (YYYYMM):

Date (YYYYMM):



waterwatch.usgs.gov/index.php

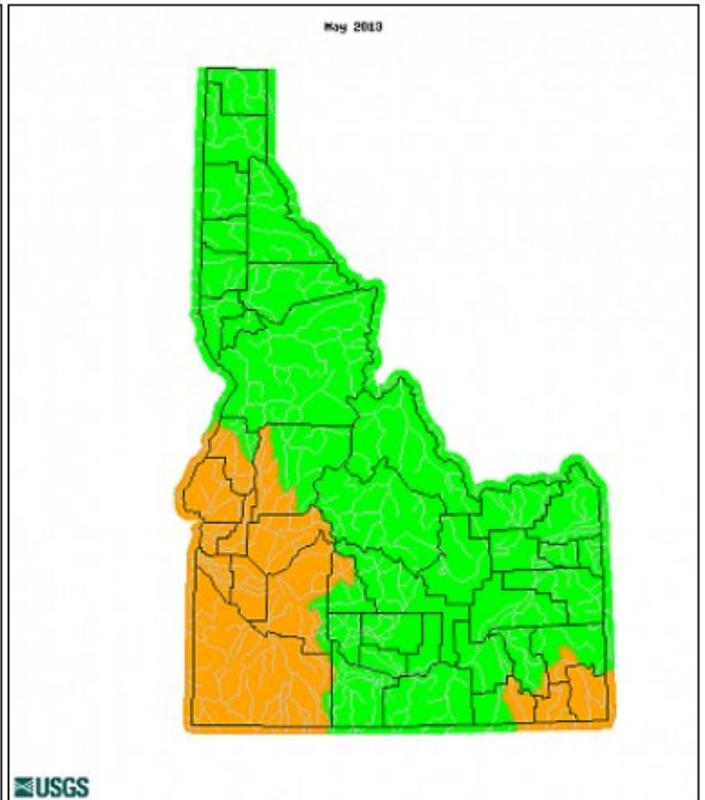
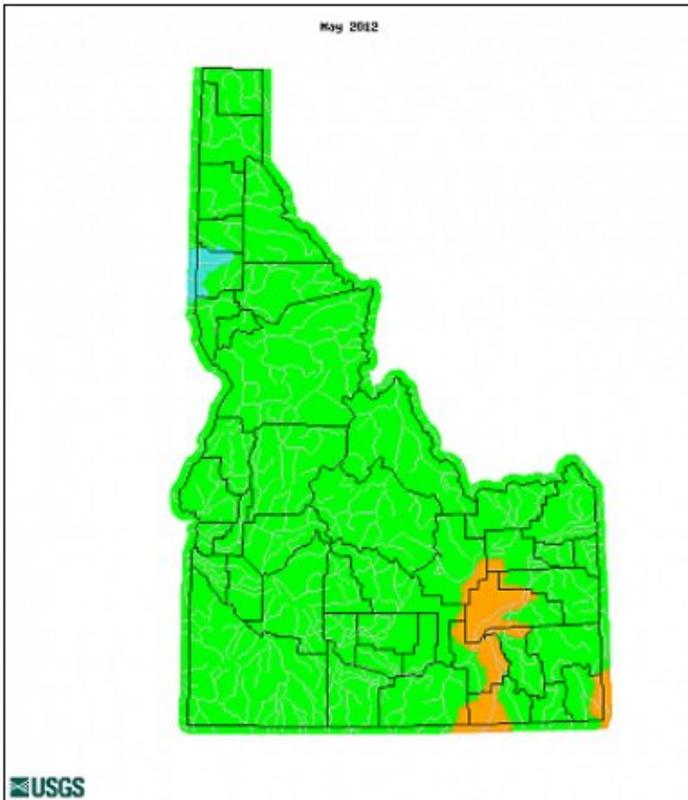
Historic Streamflow Comparison-May 2012 and May 2013:

Comparison of Monthly Streamflow Maps

Geographic Area:
 Water Resource Region:
 Map Type:

Date (YYYYMM):

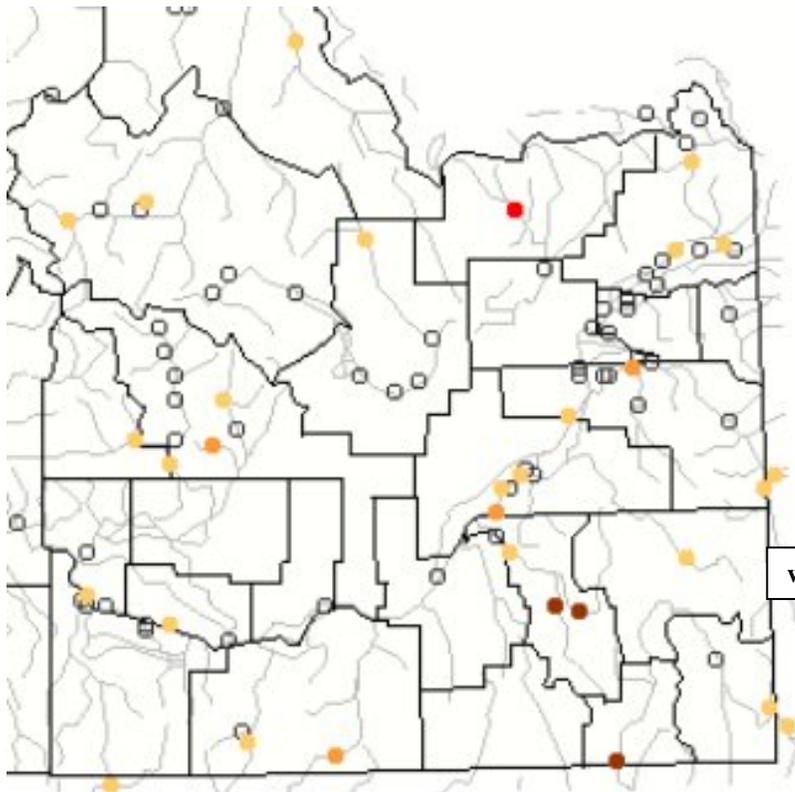
Date (YYYYMM):



Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

Below Normal 28 Day average streamflow (see graphic below):

Medicine Lodge Creek (new low), 41 cfs, 2nd percentile,
 Marsh Creek nr McCammon, 30 cfs, 4th percentile,
 Portneuf River at Topaz, 140 cfs, 1st percentile,
 Bear River at ID-UT stateline, 250 cfs, 4th percentile



waterwatch.usgs.gov/index.php?m=pa28d_dry&r=id&w=map

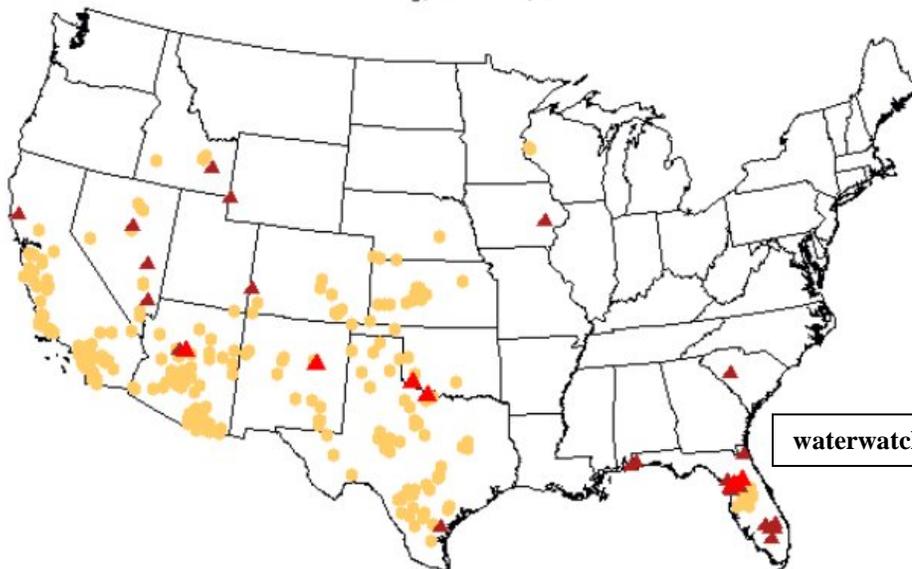


Choose a data retrieval option and select a location on the map
 List of all stations Single station Nearest stations

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

Map of Record Low 7-day Streamflow

Thursday, June 06, 2013



waterwatch.usgs.gov/index.php?id=wwdrought_us

Explanation

- Record low flow with more than 30 years data
- Record low flow with less than 30 years data
- Zero flow sites

Drought Information:

U.S. Drought Monitor

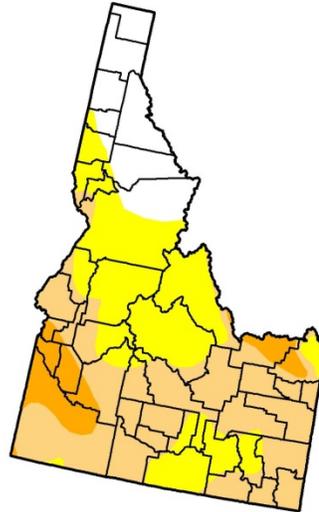
Idaho

June 4, 2013
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	15.79	84.21	49.84	8.22	0.00	0.00
Last Week (05/28/2013 map)	18.94	81.06	22.39	0.09	0.00	0.00
3 Months Ago (03/05/2013 map)	49.96	50.04	22.60	0.00	0.00	0.00
Start of Calendar Year (01/01/2013 map)	45.29	54.71	47.63	0.52	0.00	0.00
Start of Water Year (09/25/2012 map)	15.61	84.39	66.47	1.27	0.00	0.00
One Year Ago (05/29/2012 map)	89.57	10.43	0.01	0.00	0.00	0.00

Intensity:

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

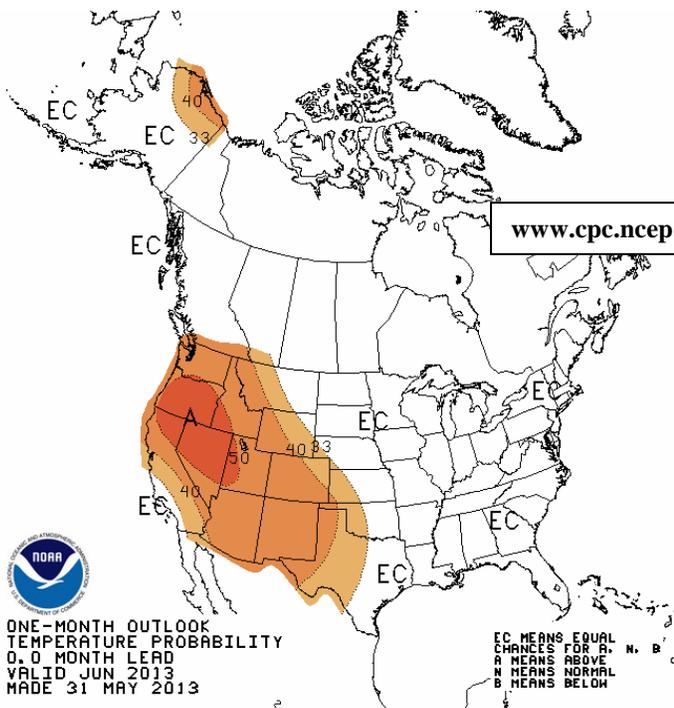


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, June 6, 2013
David Simeral, Western Regional Climate Center

<http://droughtmonitor.unl.edu>

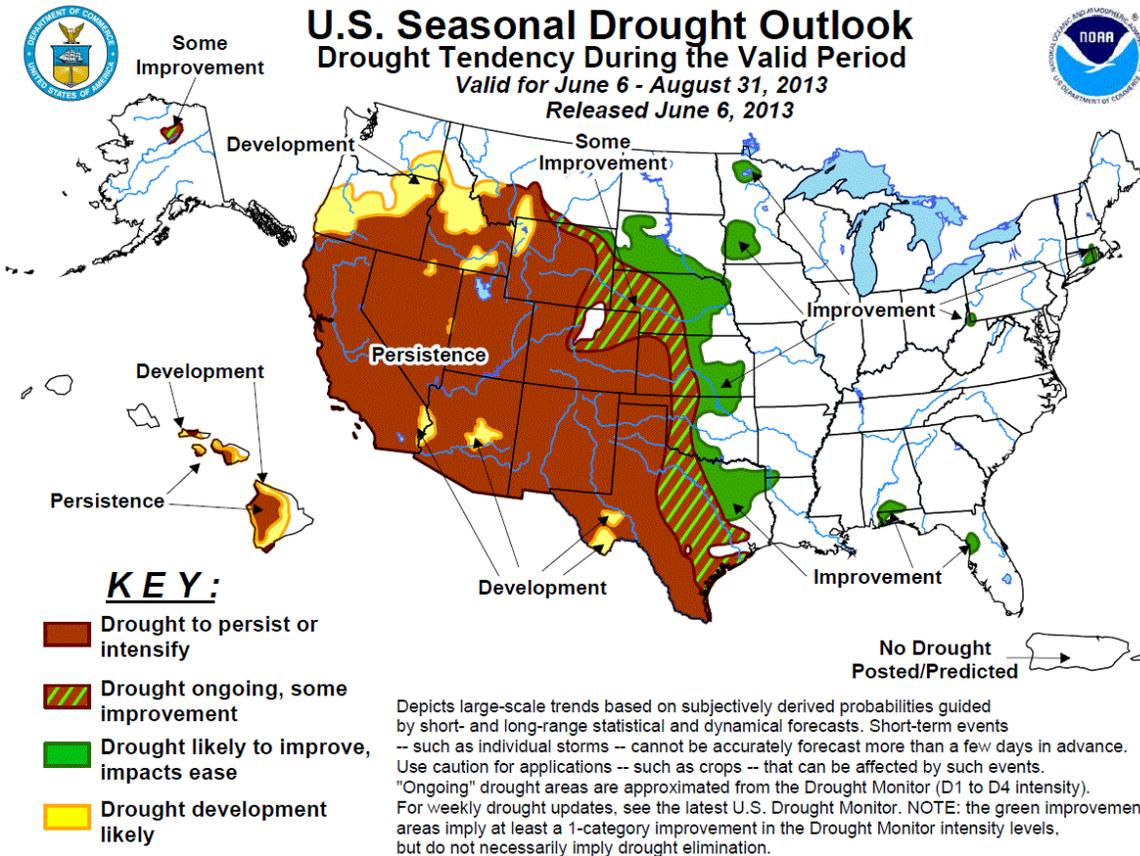
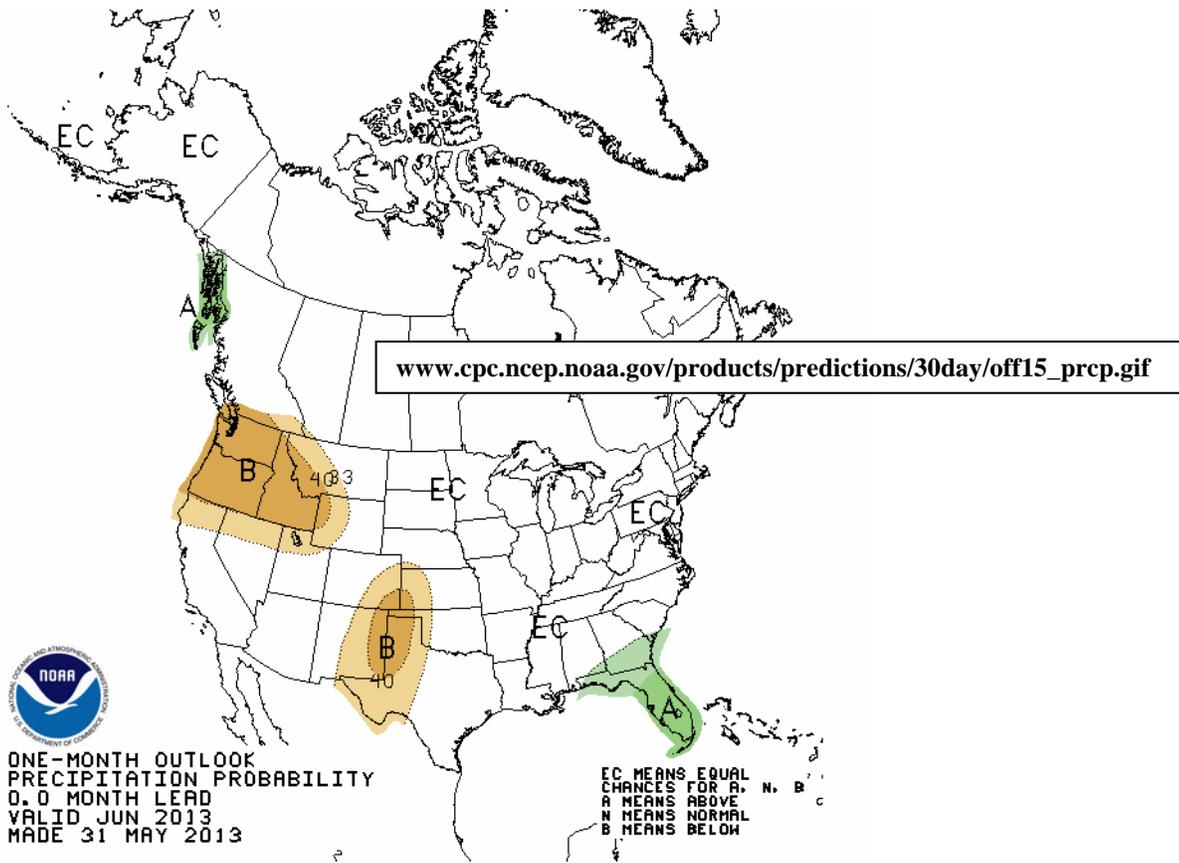


www.cpc.ncep.noaa.gov/products/predictions/30day/off15_temp.gif



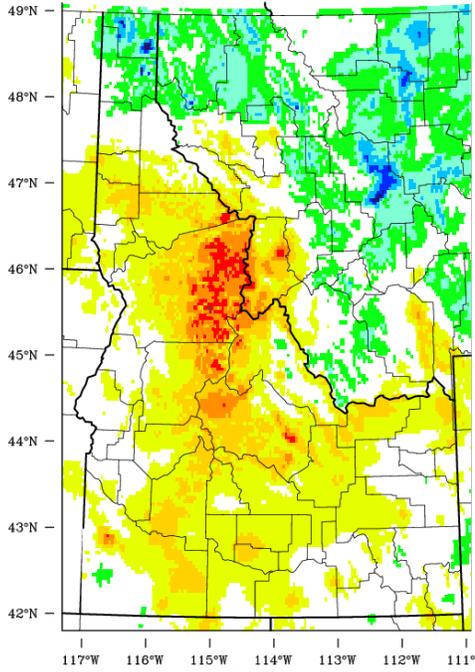
ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.0 MONTH LEAD
VALID JUN 2013
MADE 31 MAY 2013

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

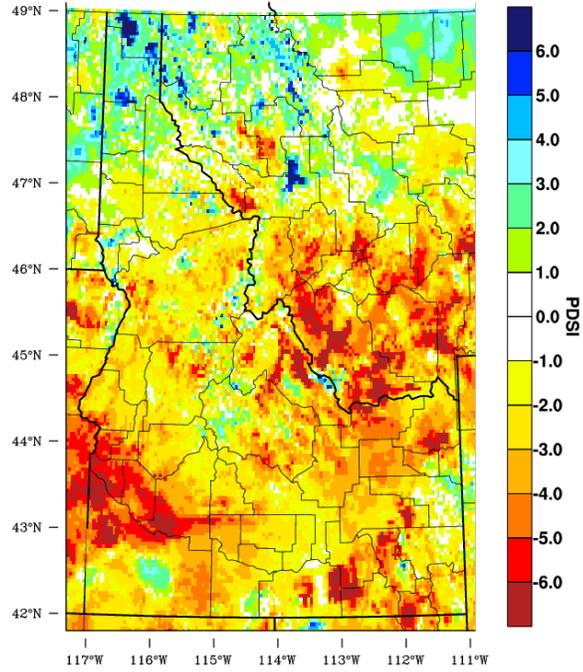


www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.gif

Idaho - 1 month SPI
May 2013



Idaho - PDSI
May 2013

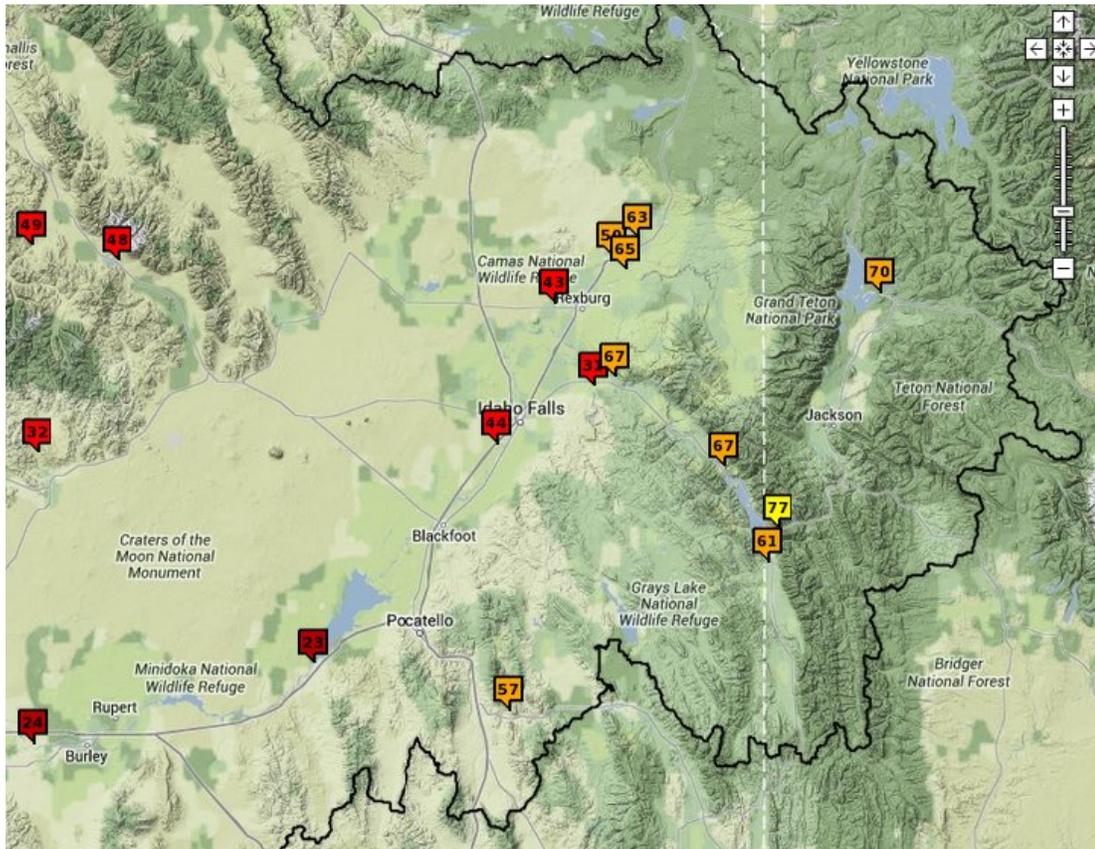


WestWide Drought Tracker - WRCC/UI Data Source - PRISM (Prelim), created 4 JUN 2013 WestWide Drought Tracker - WRCC/UI Data Source - PRISM (Prelim), created 4 JUN 2013

www.wrcc.dri.edu/monitor/WWDT/index.php?region=id

Water Supply:

NWRFC Water Supply Volume Forecast Map (6/5/13):



www.nwrfc.noaa.gov/ws/

Legend

Water Supply Forecast (% Avg)

- No Average, No data
- < 25
- 25-50
- 50-75
- 75-90
- 90-110
- 110-125
- 125-150
- 150-175
- > 175

NWRFC Water Supply Forecasts:

Ensemble Date: 2013-06-03 Issued Date: 2013-06-04

<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>
<u>AMFI1</u>	APR-SEP	SNAKE - AT AMERICAN FALLS DAM	608	659	23	791	2806
<u>ANTI1</u>	APR-SEP	HENRYS FORK - AT ST. ANTHONY	396	418	50	451	836
<u>CHEI1</u>	APR-SEP	FALLS - NEAR CHESTER	227	237	63	259	375
<u>HALI1</u>	APR-SEP	BIG WOOD - AT HAILEY	127	129	49	140	263
<u>HEI1</u>	APR-SEP	SNAKE - NEAR HEISE	2512	2548	67	2650	3785
<u>HWRI1</u>	APR-SEP	BIG LOST - AT HOWELL RANCH NEAR CHILLY	86.71	87.9	49	98.21	180
<u>MACI1</u>	APR-SEP	BIG LOST - MACKAY RESERVOIR NEAR MACKAY	70.98	72.49	48	85.37	151
<u>MAGI1</u>	APR-JUL	BIG WOOD - MAGIC DAM	46.47	47.47	19	51.7	250
<u>MILI1</u>	APR-SEP	SNAKE - AT MILNER	239	239	24	239	1006
<u>PALI1</u>	APR-SEP	SNAKE - NEAR IRWIN	2299	2335	67	2434	3501
<u>REXI1</u>	APR-SEP	HENRYS FORK - AT REXBURG	740	774	43	834	1785
<u>RIRI1</u>	APR-SEP	WILLOW CREEK - NEAR RIRIE	20.8	21.31	31	22.13	69.00
<u>SFLN2</u>	APR-SEP	SALMON FALLS CREEK - SALMON FALLS CK NR SAN JACIN	31.98	32.87	44	34.43	74.00
<u>SHYI1</u>	APR-SEP	SNAKE - NEAR SHELLEY	2118	2199	44	2447	5051
<u>TEAI1</u>	APR-SEP	TETON - NEAR ST. ANTHONY	290	298	65	321	457
<u>TOPI1</u>	APR-SEP	PORTNEUF - AT TOPAZ	44.52	45.85	57	47.45	81.00
<u>WODI1</u>	APR-SEP	LITTLE WOOD - NEAR CAREY	25.09	26.23	32	28.73	83.00

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=2013&WyrDate=2013-06-03

CBRFC Water Supply Forecast Report for Bear River Basin (June 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

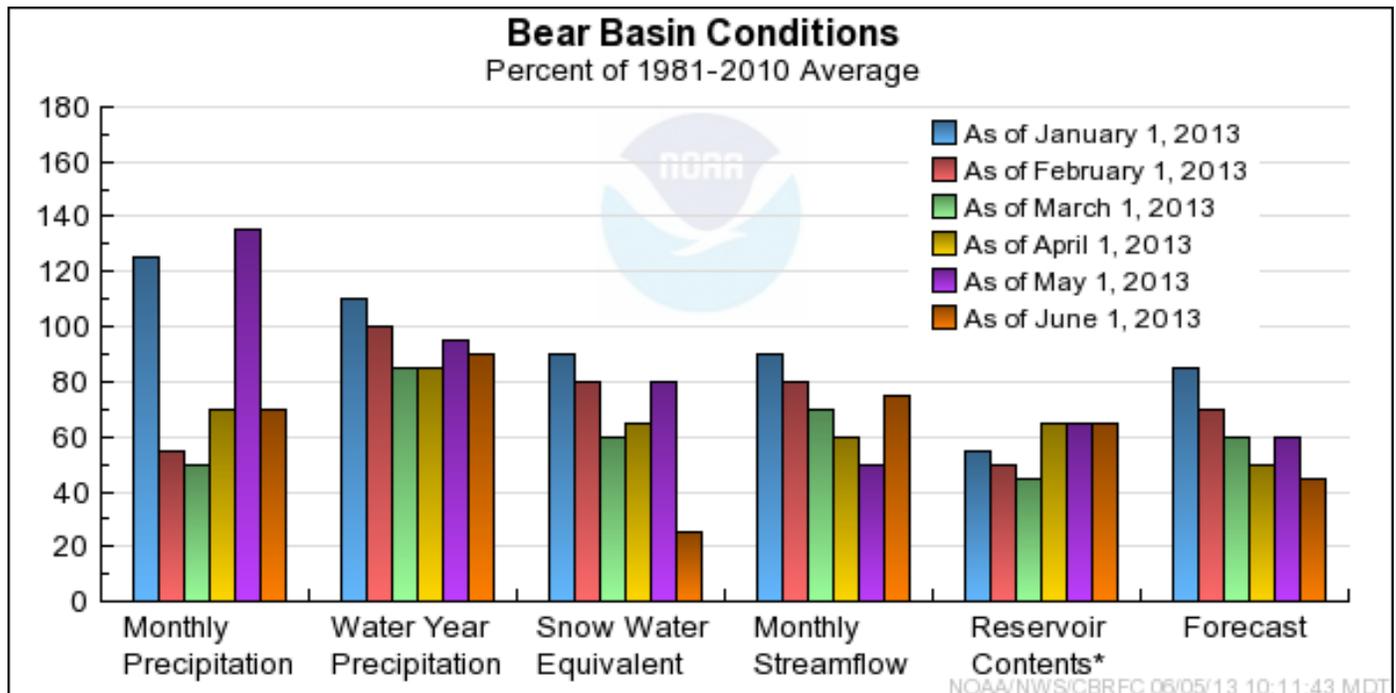
▲ < 70 ▲ 70-90 ▲ 90-110 ▲ 110-130 ▲ >130 ▲ Regulated

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 BEAW4	Bear - Woodruff Narrows Rsvr Abv	▲	2013-06-01	30	56	85	46%	51%	121	110
2 BERU1	Bear - Utah-wyoming State Line Nr	▲	2013-06-01	58	72	90	64%	68%	112	106
3 BORW4	Smiths Fork - Border Nr	▲	2013-06-01	42	55	70	62%	69%	89	80
4 HRMU1	Blacksmith Fork - Hyrum Nr Upnl Dam Abv	▲	2013-06-01	13.3	19	30	44%	66%	43	29
5 LGNU1	Logan - Logan Nr State Dam Abv	▲	2013-06-01	40	59	84	53%	61%	111	97
6 PRZU1	Little Bear - Paradise	▲	2013-06-01	8.2	14	24	30%	27%	47	51
7 STDI1	Bear - Montpelier Nr Stewart Dam Blo	▲	2013-06-01	8	28	70	15.4%	24%	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

Bear River Basin Conditions:



www.cbrfc.noaa.gov/wsup/pub2/graph/png/br.cond.2013.6.png

NRCS-NWCC Water Supply Forecast Report (June 1 Forecast):

Final NRCS Streamflow Forecasts-June 1, 2013

Note: change in forecast period to the June-July and June-September periods.

USDA NRCS National Water & Climate Center

* DATA CURRENT AS OF: 6/04/13 14:47:35

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)	JUN-JUL	173	75	217	190	157	134	230
	JUN-SEP	335	82	403	362	309	273	410
Henrys Fork nr Rexburg (2)	JUN-JUL	510	72	615	555	465	405	710
	JUN-SEP	825	75	965	880	770	685	1100
Falls R nr Ashton (2)	JUN-JUL	109	60	152	126	94.0	73.0	182
	JUN-SEP	160	64	215	181	140	114	250
Teton R nr Driggs	JUN-JUL	66	66	86.0	74.0	59.0	49.0	100
	JUN-SEP	95	68	123	106	85.0	71.0	139
Teton R nr St. Anthony	JUN-JUL	134	64	173	149	120	100	210
	JUN-SEP	189	68	235	210	171	146	280
Snake R at Flagg Ranch	JUN-JUL	146	62	200	168	124	92.0	235
	JUN-SEP	192	69	255	215	167	130	280
Snake R at Flagg Ranch (vol>5,000)				*** Observed	6.27 KAF	***		42
Snake R at Flagg Ranch (days>5,000)				*** Observed	5 days	***		13
Snake R nr Moran (1,2)	JUN-JUL	270	64	375	305	235	166	425
	JUN-SEP	340	67	470	380	300	210	505
Pacific Ck at Moran	JUN-JUL	59.0	69	91.0	72.0	46.0	27.0	86.0
	JUN-SEP	67.0	70	100	80.0	54.0	34.0	96.0
Buffalo Fork ab Lava nr Moran	JUN-JUL	156	76	200	174	138	112	205
	JUN-SEP	187	78	240	210	166	134	240
Snake R nr Alpine (1,2)	JUN-JUL	835	65	1090	915	755	575	1280
	JUN-SEP	1090	68	1430	1200	985	745	1610
Greys R nr Alpine	JUN-JUL	121	74	144	130	112	98.0	164
	JUN-SEP	163	76	196	176	150	130	215
Salt R nr Etna	JUN-JUL	97	68	154	120	74.0	40.0	143
	JUN-SEP	155	74	230	186	124	79.0	210
Snake R nr Irwin (1,2)	JUN-JUL	1130	67	1520	1250	1010	740	1700
	JUN-SEP	1520	69	1960	1660	1380	1080	2190
Snake R nr Heise (2)	JUN-JUL	1190	66	1510	1320	1060	865	1800
	JUN-SEP	1630	69	2010	1780	1480	1250	2350
Willow Ck nr Ririe (2)	JUN-JUL	6.5	45	17.8	11.1	1.90	0.20	14.4
Blackfoot R ab Res nr Henry	JUN-VOL	8.3	53	20.0	12.5	4.90	1.60	15.7
Portneuf R at Topaz	JUN-JUL	21.0	75	27.0	23.0	18.8	15.7	28.0
	JUN-SEP	33.0	73	42.0	36.0	30.0	25.0	45.0

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 (1)	JUN-JUL	67	53	103	78.0	56.0	31.0	127
	JUN-SEP	82	53	137	99.0	65.0	27.0	155
Big Wood R ab Magic Res	JUN-JUL	29.0	33	69.0	45.0	12.7	6.00	89.0
	JUN-SEP	33	33	72.0	47.0	19.0	9.00	101
Camas Ck nr Blaine	JUN-JUL	2.5	23	6.60	3.90	1.40	0.40	11.1

	JUN-SEP	2.9	25	7.30	4.40	1.70	0.50	11.7
Big Wood R bl Magic Dam (2)	JUN-JUL	34.0	35	70.0	49.0	19.4	8.00	97.0
	JUN-SEP	36	32	75.0	52.0	20.0	11.0	111
Little Wood R ab High Five Ck	JUN-JUL	12.6	43	20.0	15.4	10.0	6.80	29.0
	JUN-SEP	16.3	47	26.0	19.9	13.1	9.00	35.0
Little Wood R near Carey (2)	JUN-JUL	13.0	45	25.0	17.8	8.20	1.20	29.0
	JUN-SEP	16.3	47	29.0	22.0	11.0	3.20	35.0
Big Lost R at Howell Ranch	JUN-JUL	55	54	85.0	67.0	43.0	25.0	102
	JUN-SEP	66	54	102	81.0	51.0	30.0	122
Big Lost R Below Mackay Res	JUN-JUL	42.0	51	70.0	53.0	31.0	14.0	82.0
	JUN-SEP	59	54	96.0	74.0	44.0	22.0	109
Little Lost R nr Howe	JUN-JUL	9.4	61	13.2	10.9	8.00	6.20	15.5
	JUN-SEP	13.5	61	18.8	15.5	11.6	9.1	22.0
Camas Ck at Camas	JUN-JUL	4.40	51	11.5	7.30	1.53	0.50	8.60

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	JUN-JUL	2.50	53	5.30	3.60	1.39	0.10	4.70
	JUN-SEP	3.30	55	6.70	4.70	1.93	0.10	6.00
Trapper Ck nr Oakley	JUN-JUL	1.39	75	1.94	1.61	1.17	0.84	1.85
	JUN-SEP	2.50	83	3.20	2.80	2.20	1.77	3.00
Oakley Res Inflow (2)	JUN-JUL	3.90	60	7.10	5.20	2.60	0.72	6.50
	JUN-SEP	5.80	64	9.8	7.40	4.20	1.81	9.00
Salmon Falls Ck nr San Jacinto	JUN-JUL	6.0	30	11.2	7.90	4.40	2.40	20.0
	JUN-SEP	8.4	35	14.3	10.6	6.40	4.00	24.0
	MAY-SEP	35.0	66	57.0	43.0	28.0	18.5	53.0

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-JUL	79	71	99.0	87.0	71.0	59.0	112
	JUN-JUL	40.0	61	56.0	46.0	33.0	23.0	66.0
	APR-SEP	85	69	109	95.0	75.0	61.0	123
	JUN-SEP	46.0	59	65.0	54.0	38.0	27.0	78.0
Bear R ab Res nr Woodruff	APR-JUL	50	41	81.0	63.0	37.0	19.0	121
	JUN-JUL	18.0	32	39.0	26.0	9.5	1.70	57.0
	APR-SEP	53	41	84.0	66.0	40.0	22.0	128
	JUN-SEP	21.0	33	43.0	30.0	12.0	0.60	64.0
Big Ck nr Randolph	APR-JUL	1.29	34	1.98	1.57	1.01	0.81	3.80
	JUN-JUL	0.50	30	1.19	0.78	0.22	0.02	1.66
Smiths Fk nr Border	APR-JUL	57.0	64	71.0	63.0	51.0	43.0	89.0
	APR-SEP	63	61	80.0	70.0	56.0	46.0	104
	JUN-JUL	30.1	60	44.1	36.1	24.1	16.1	50.0
	JUN-SEP	36.1	56	53.1	43.1	29.1	19.1	65.0
Bear R bl Stewart Dam	APR-JUL	32	18	117	66.0	5.00	2.00	183
	APR-SEP	36	18	131	74.0	6.00	2.00	205
	JUN-JUL	19.0	20	75.0	42.0	4.60	0.90	93.0
	JUN-SEP	22	19	95.0	52.0	5.00	1.00	115

Max is 90 percentile and min is 10 percentile except with footnote 1 below.
Averages are for the 1971-2000 period.
All volumes are in KAF.

footnotes:

- 1) max is 95 percentile and min is 5 percentile
- 2) streamflow is adjusted for upstream storage

<ftp://ftp-fc.sc.egov.usda.gov/ID/snow/watersupply/forecasts/ID06.txt>

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