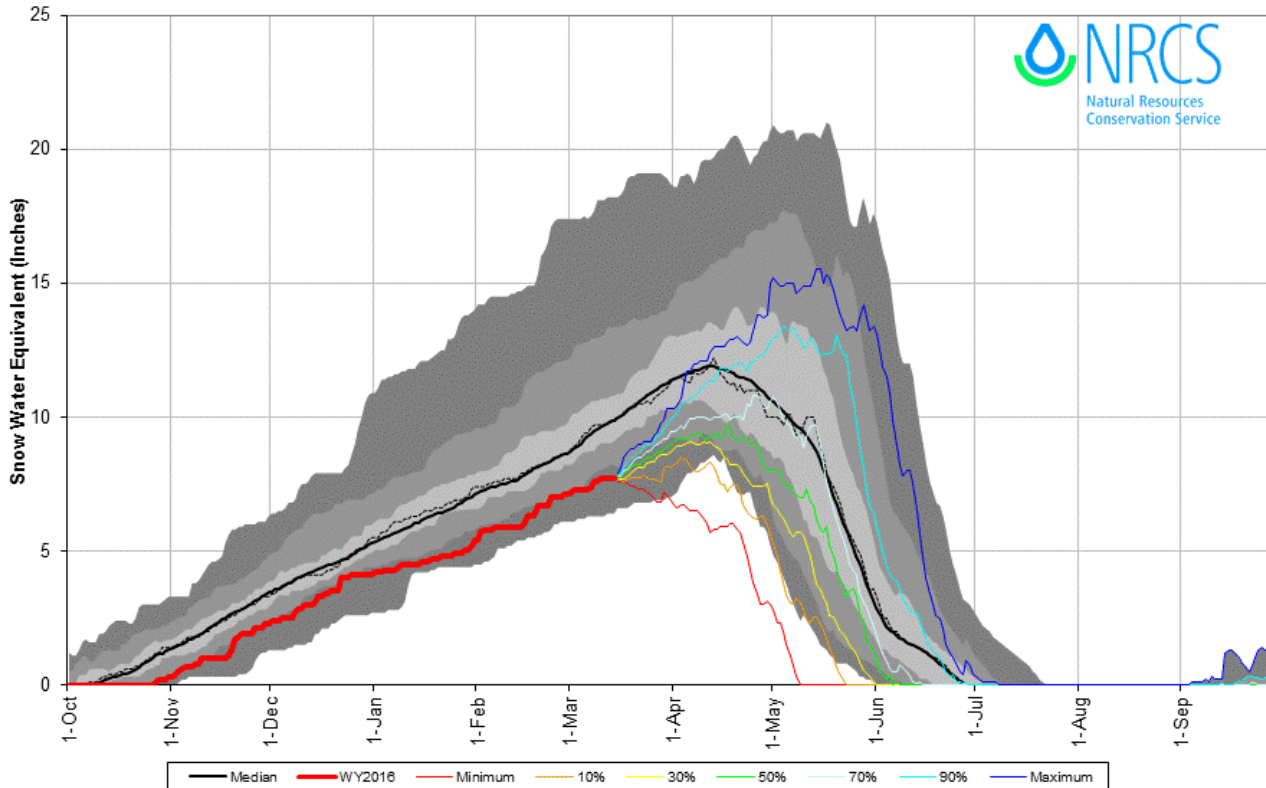


Wind River Basin (March 15th, 2016)

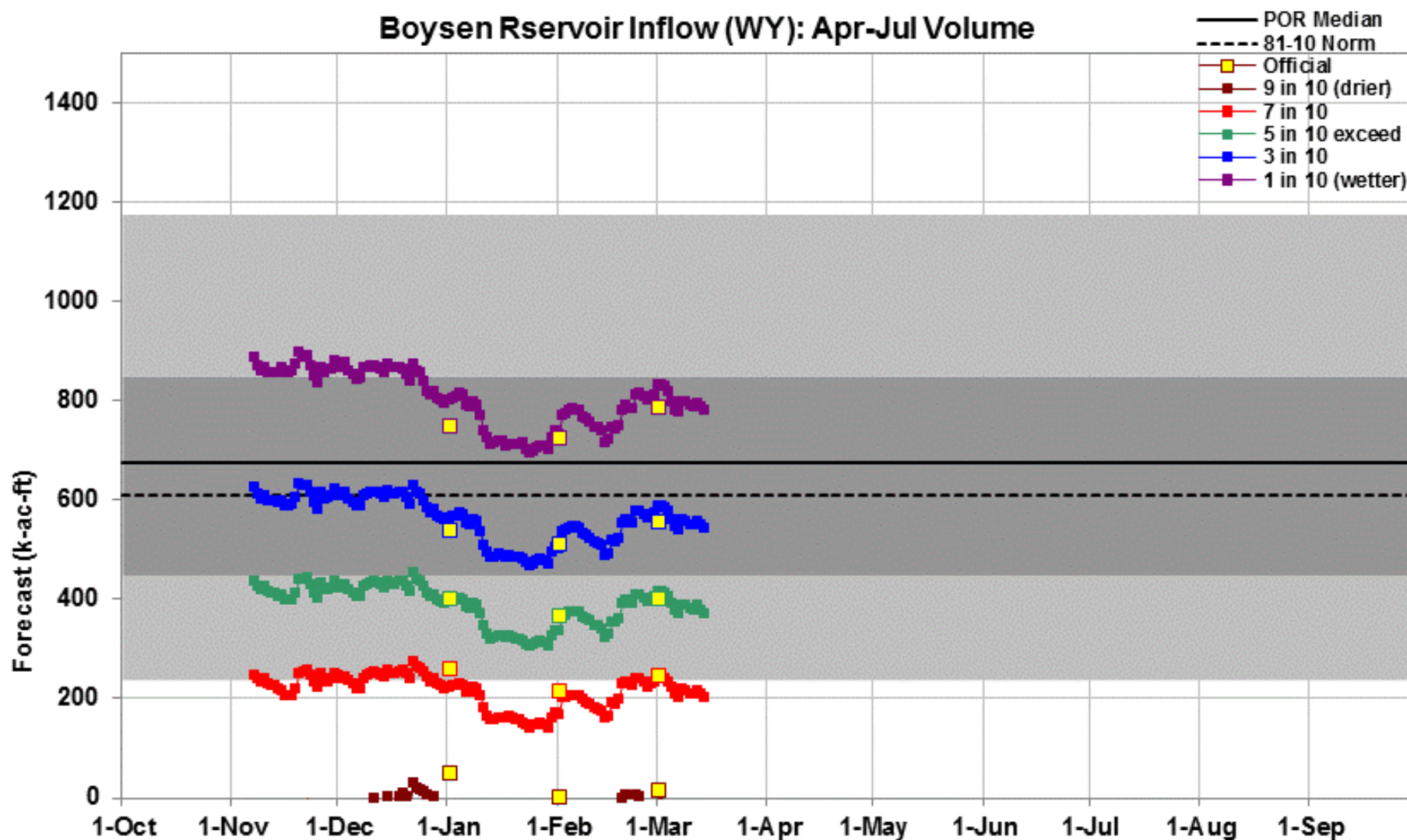
Wind River with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Mar 14, 2016



- March 1st SNOTEL SWE varies from 74 to 86% of median
- Median SWE to date
 - @ 99% last year
 - @ 82% this year
 - Avg Peak - Apr 12th 12”
 - 2015 Peak – March 7th ?
- Precipitation to date
 - @ 88% last year
 - @ 78% this year
- April 1st (Apr-Sep) streamflow forecasts for Boysen Reservoir Inflow
 - 70% 250,000 ac-ft
 - 50% 425,000 ac-ft
 - 10% 855,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
WIND RIVER abv Bull Lake Cr	APR-JUL	380	84%	APR-SEP	400	82%
WIND RIVER at Riverton	APR-JUL	385	81%	APR-SEP	450	82%
BOYSEN RESERVOIR Inflow	APR-JUL	400	66%	APR-SEP	425	64%
BULL LAKE CR near Lenore	APR-JUL	116	83%	APR-SEP	141	83%
LT POPO AGIE RIVER nr Lander	APR-JUL	25	60%	APR-SEP	30	61%
LT WIND RIVER nr Riverton	APR-JUL	156	58%	APR-SEP	170	58%

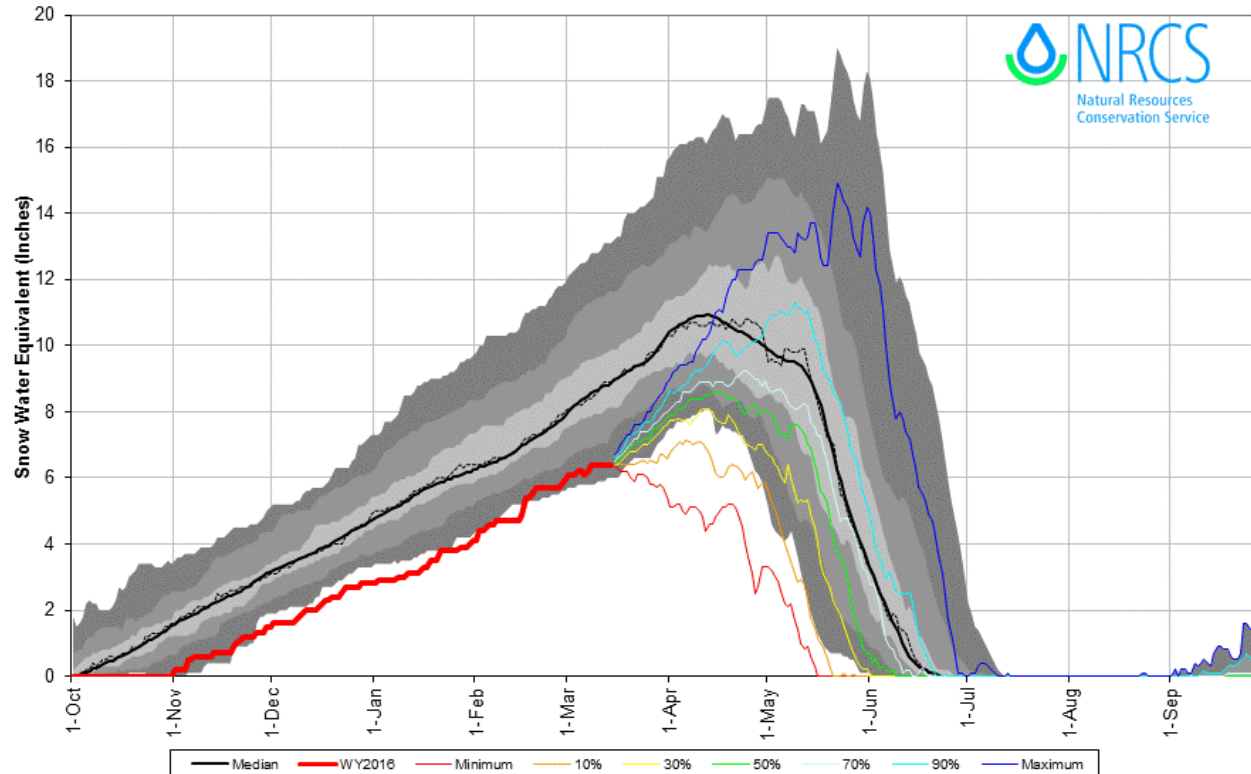
Boysen Rservoir Inflow (WY): Apr-Jul Volume



This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record variability. This product does not consider climate information such as El Nino or short range weather forecasts, or a variety of other factors considered in the official forecasts. This product is not meant to replace or supersede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Big Horn River Basin (March 15th, 2016)

Bighorn with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Mar 14, 2016

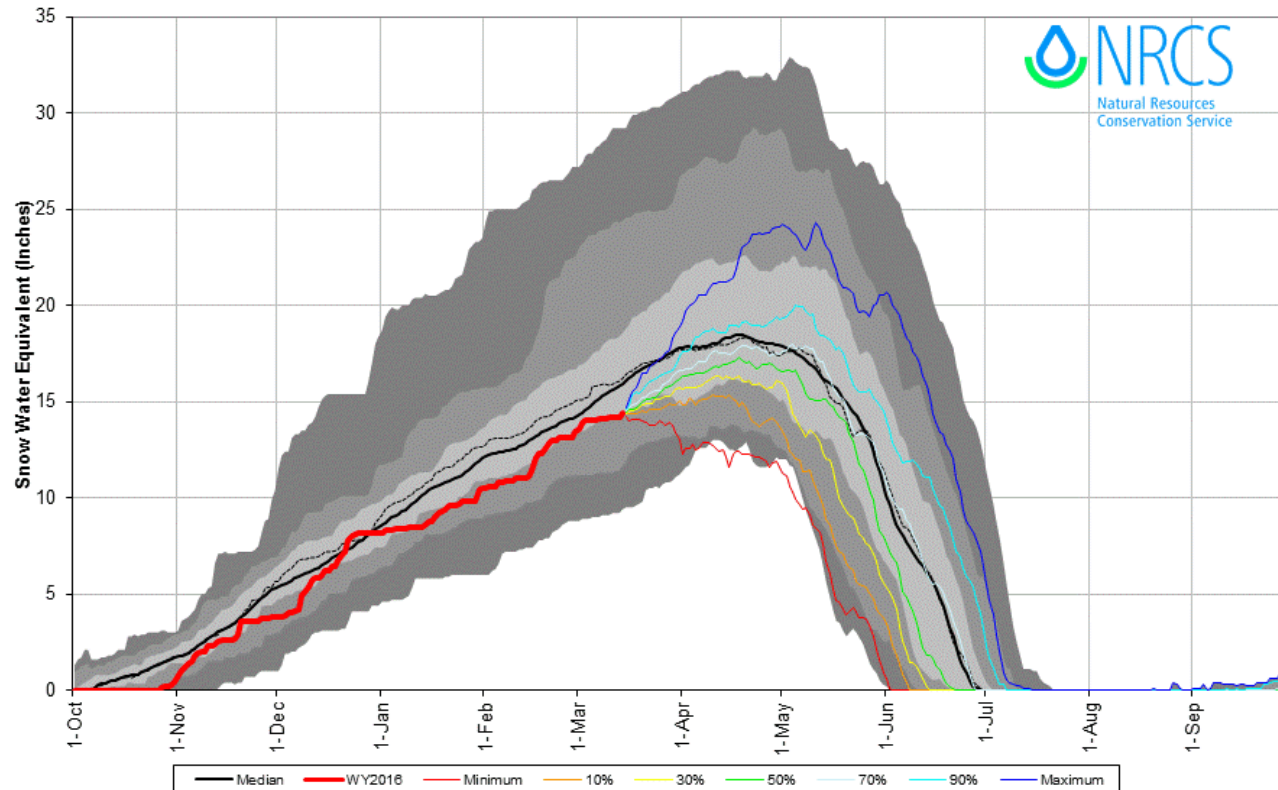


- Current SNOTEL SWE varies from 72 to 94% of median
- Median SWE to date
 - @ 115% last year
 - @ 75% this year
 - Avg Peak - Apr 12th 11”
 - 2015 Peak – Mar 20th
- Precipitation to date
 - @ 102% last year
 - @ 71% this year
- April 1st (Apr-Sep) streamflow forecasts for Bighorn River at Kane
 - 70% is 315,000 ac-ft
 - 50% is 545,000 ac-ft
 - 10% is 1,110,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
BOYSEN RESERVOIR Inflow	APR-JUL	400	66%	APR-SEP	425	64%
GREYBULL RIVER nr Meeteetse	APR-JUL	116	89%	APR-SEP	155	88%
SHELL CREEK nr Shell	APR-JUL	40	73%	APR-SEP	50	76%
BIGHORN RIVER at Kane	APR-SEP	535	64%	APR-SEP	545	60%

Shoshone River Basin (March 15th, 2016)

Shoshone River with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Mar 14, 2016



- Current SNOTEL SWE is 93% of median.

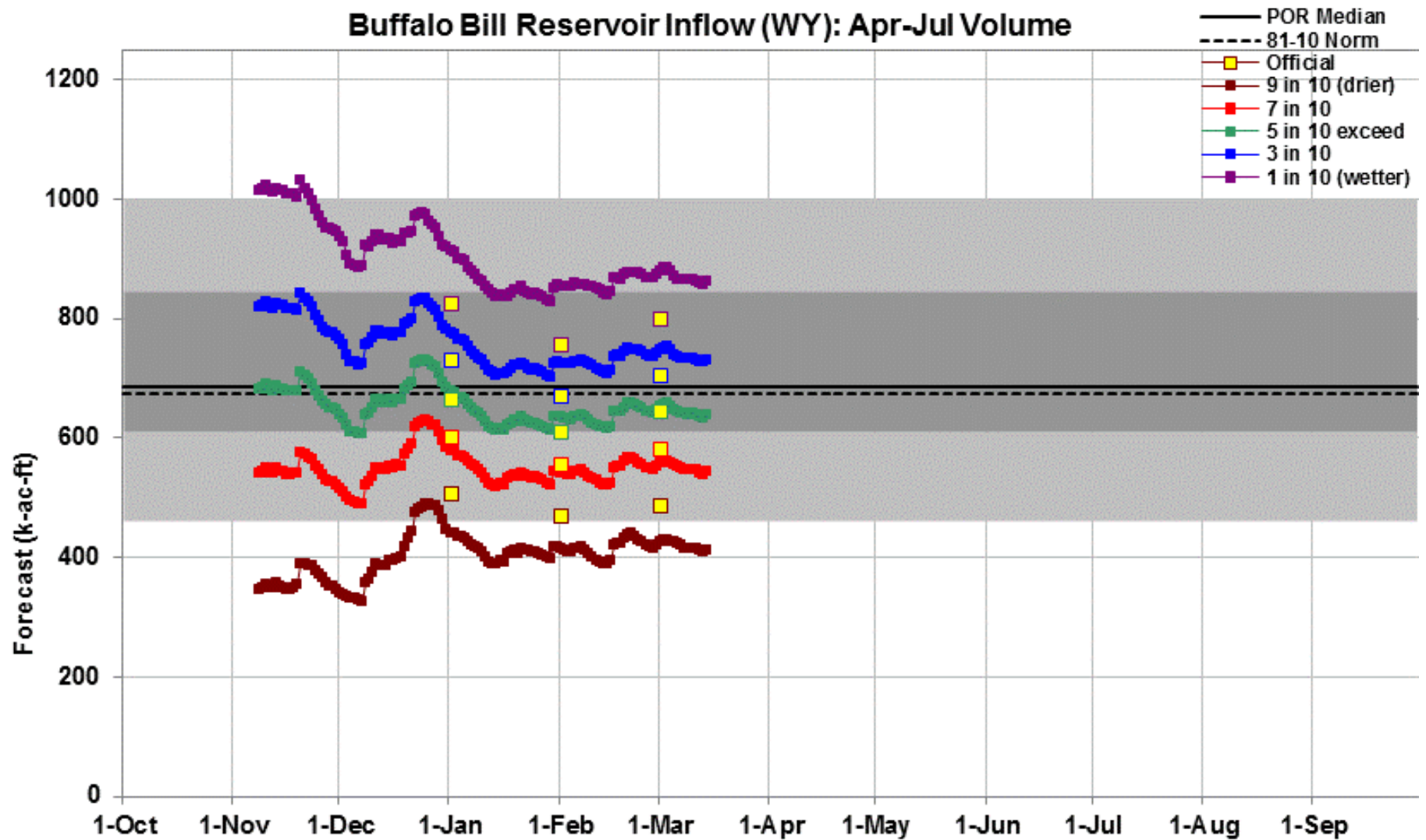
- Median SWE to date
 - @ 103% last year
 - @ 93% this year
 - Avg Peak - Apr 18th 18''
 - 2015 peak - Mar. 1st

- Precipitation to date
 - @ 105% last year
 - @ 104% this year

- April 1st streamflow forecasts for Buffalo Bill Dam Inflow
 - 90% is 530,000 ac-ft
 - 50% is 705,000 ac-ft
 - 10% is 885,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
-----	-----	---	---	-----	---	---
NF SHOSHONE RIVER at Wapiti	APR-JUL	425	92%	APR-SEP	475	92%
SF SHOSHONE RIVER nr Valley	APR-JUL	205	95%	APR-SEP	235	96%
SF SHOSHONE abv Buffalo Bill	APR-JUL	185	96%	APR-SEP	190	95%
BUFFALO BILL DAM Inflow	APR-JUL	645	96%	APR-SEP	705	95%

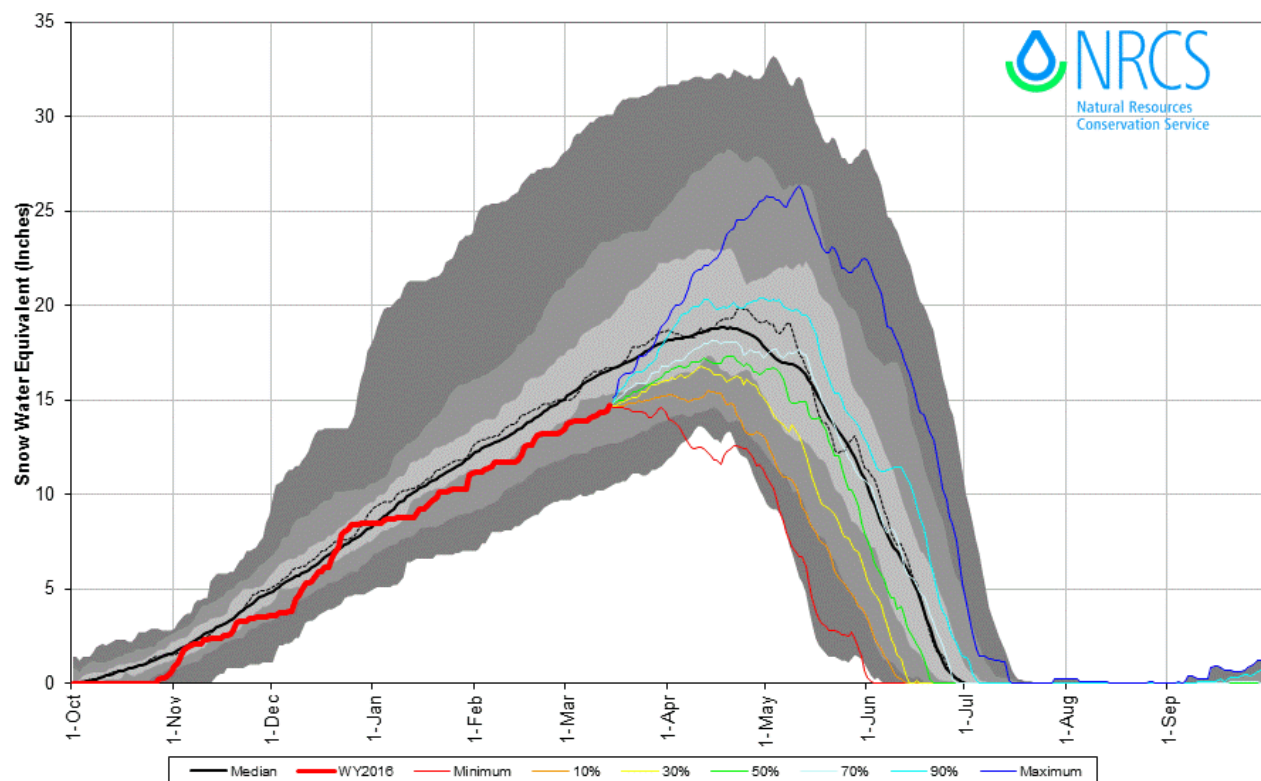
Buffalo Bill Reservoir Inflow (WY): Apr-Jul Volume



This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record variability. This product does not consider climate information such as El Nino or short range weather forecasts, or a variety of other factors considered in the official forecasts. This product is not meant to replace or supersede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsfdaily_forecasts.html

Yellowstone River Basin (March 15th, 2016)

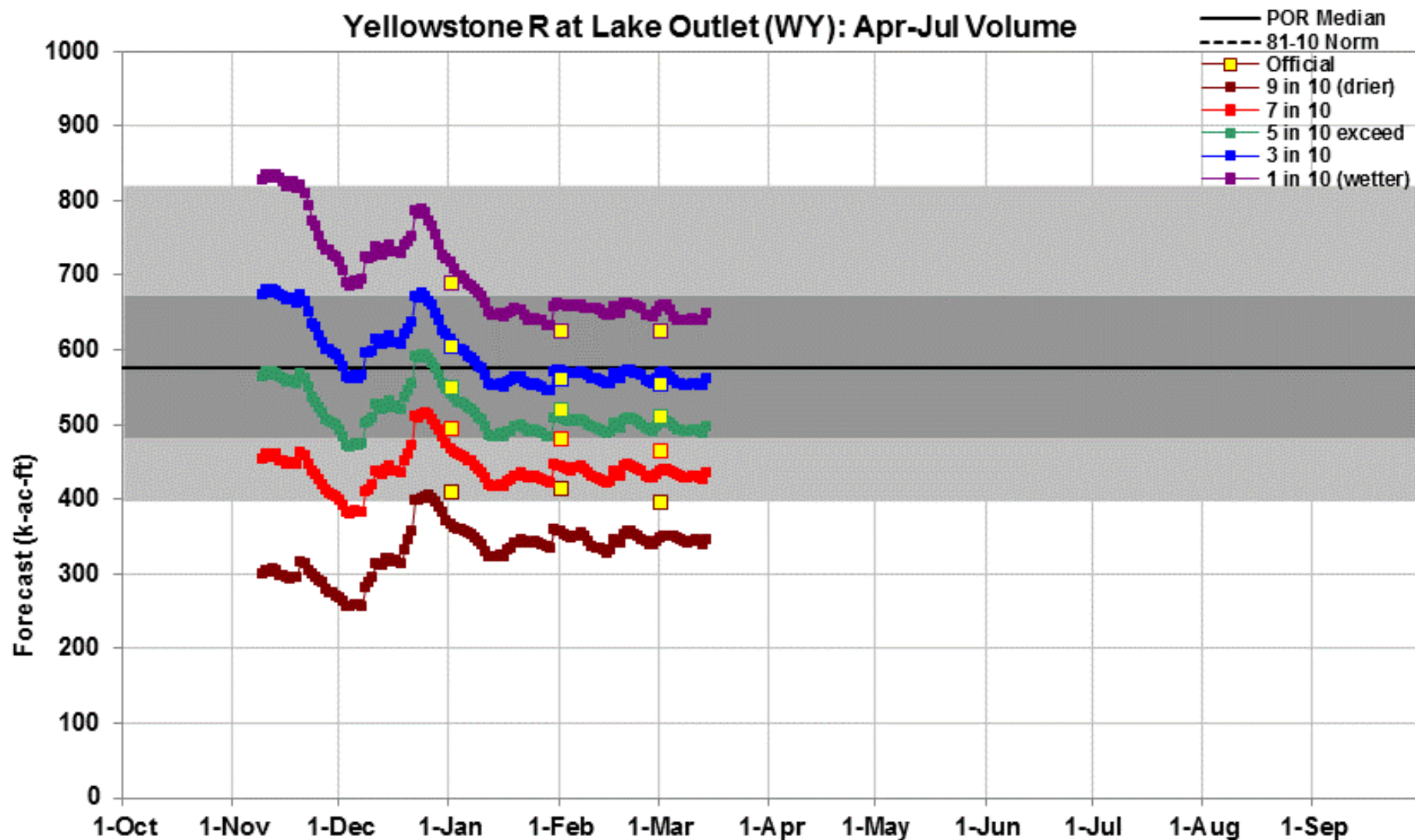
Yellowstone with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Mar 14, 2016



- Current SNOTEL SWE varies from 89 to 91% of median
- Median SWE to date
 - @ 89% this year
 - @ 95% last year
 - 2015 peak March 25th
 - Avg Peak-Apr 22nd 18''
- Precipitation to date
 - @ 102% last year
 - @ 94% this year
- April 1st runoff forecasts for the Yellowstone River at Lake
 - 90% is 530,000 ac-ft
 - 50% is 680,000 ac-ft
 - 10% is 830,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
Yellowstone R at Lake Outlet	APR-JUL	510	89%	APR-SEP	680	88%
Yellowstone R at Corwin Springs	APR-JUL	1460	92%	APR-SEP	1700	90%
Yellowstone R at Livingston	APR-JUL	1670	93%	APR-SEP	1940	91%
CLARKS FORK RIVER nr Belfry	APR-JUL	470	92%	APR-SEP	510	93%

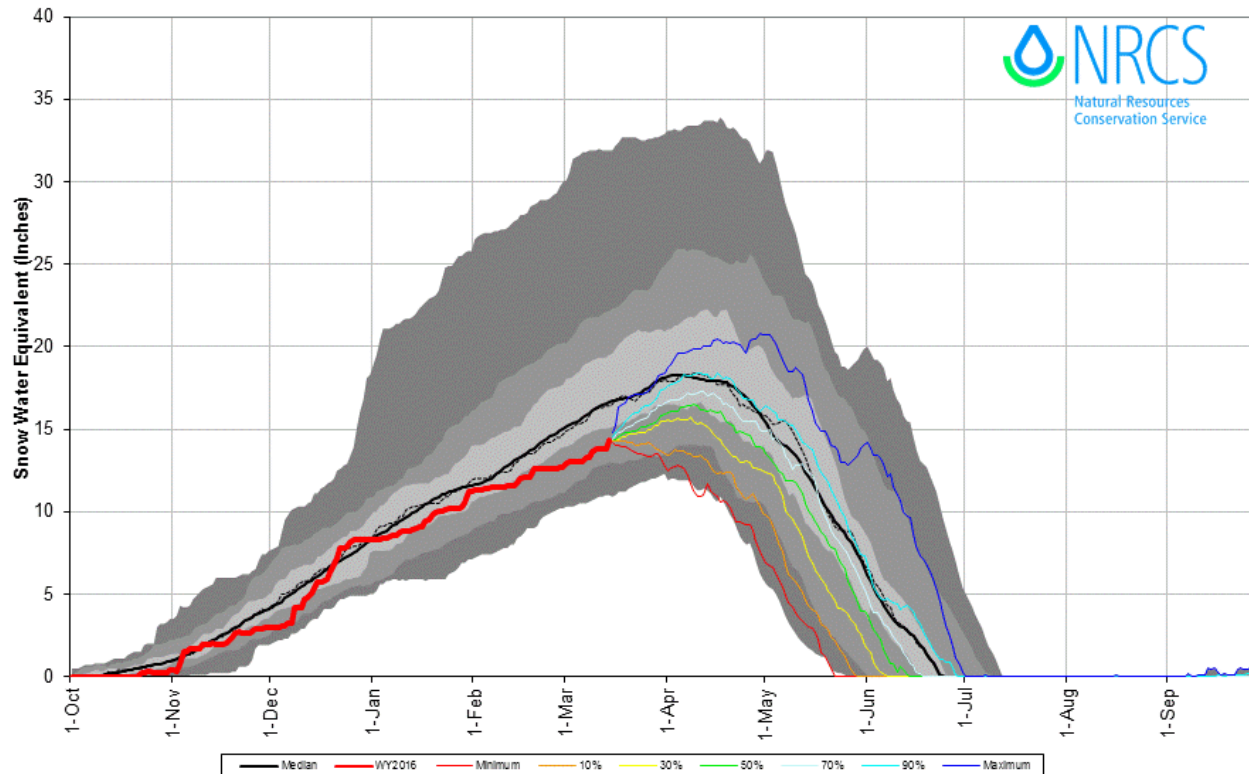
Yellowstone R at Lake Outlet (WY): Apr-Jul Volume



This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record variability. This product does not consider climate information such as El Nino or short range weather forecasts, or a variety of other factors considered in the official forecasts. This product is not meant to replace or supersede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Madison-Gallatin River Basin (March 15th, 2016)

Madison_Gallatin with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Mar 14, 2016



- Current SNOTEL SWE is 85% of median
- Median SWE to date
 - @ 78% last year
 - @ 85% this year
 - Avg Peak-April 15th 18”
 - 2015 peak - March 13th
- Precipitation to date
 - @ 73% last year
 - @ 84% this year
- April 1st April-July runoff forecasts for Hegben Reservoir Inflow
 - 90% is 184,000 ac-ft
 - 50% is 235,000 ac-ft
 - 10% is 285,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
Hegben Reservoir Inflow	APR-JUL	305	82%	APR-SEP	385	82%

Wyoming – NRCS

Report #19

Monday Morning Snow Report

Mar. 14th, 2016

Good morning, everyone this is the 19th Monday Snow Report for the 2015-2016 snow season. Last year on this date the state median was 91% with a low of 66% and a high of 114%. This year the state median is 81% with a low of 45% and a high of 101% of median. See the table & map below for more information. The map may differ slightly from the table depending upon how many stations were reporting at the time or date.

For those of you with INTERNET capability, this report and map showing SWE percentages for the state can be found at [“http://www.wrds.uwyo.edu/wrds/nrcs/nrcs.html”](http://www.wrds.uwyo.edu/wrds/nrcs/nrcs.html). Go to http://www.wcc.nrcs.usda.gov/normals/median_average.htm for median.

Figure 1 -- SNOW WATER EQUIVALENT AS PERCENT OF MEDIAN. The following table shows the current, preceding two weeks and 2013, 2014, 2015 equivalent (SWE) amounts for Wyoming basins. Median is based on all reporting SNOTEL sites in the basin, not snow courses. The reference period for average comparison is 1981-2010.

DRAINAGE BASIN	3/14/2016	3/7/2016	2/29/2016	3/14/2015	3/14/2014	3/14/2013
SNAKE RIVER	93	93	94	95	144	89
MADISON	90	87	87	73	114	93
YELLOWSTONE	88	87	89	99	147	92
WIND RIVER	78	79	82	90	135	84
BIGHORN BASIN	72	72	74	105	148	91
SHOSHONE RIVER	91	93	93	99	153	91
POWDER	67	69	72	114	150	96
TONGUE	55	59	62	100	133	88
BELLE FOURCHE	45	80	82	66	125	85
CHEYENNE	59	80	80	77	127	86
UPPER N. PLATTE	88	88	89	81	122	79
SWEETWATER	68	69	75	73	120	71
LOWER N. PLATTE	88	88	96	81	116	66
LARAMIE	100	101	102	87	140	81
S. PLATTE	101	99	99	91	139	81
LITTLE SNAKE RIVER	91	90	92	76	118	78
UPPER GREEN	94	95	97	107	168	82
LOWER GREEN	96	95	98	86	131	83
UPPER BEAR	87	90	92	72	118	74
Weighted State Average	81	84	87	91	136	84

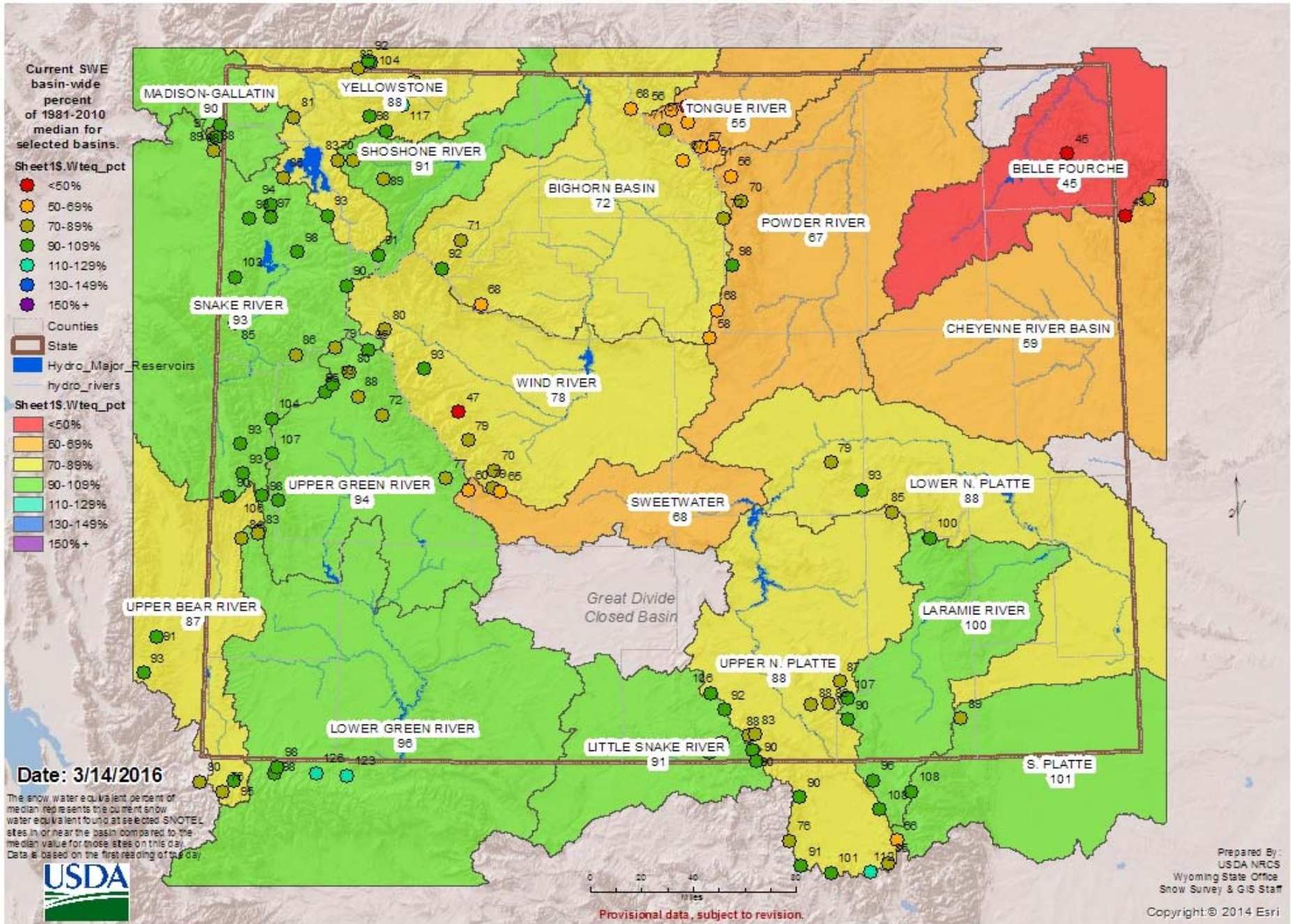
Red = down

blue = up

green = even

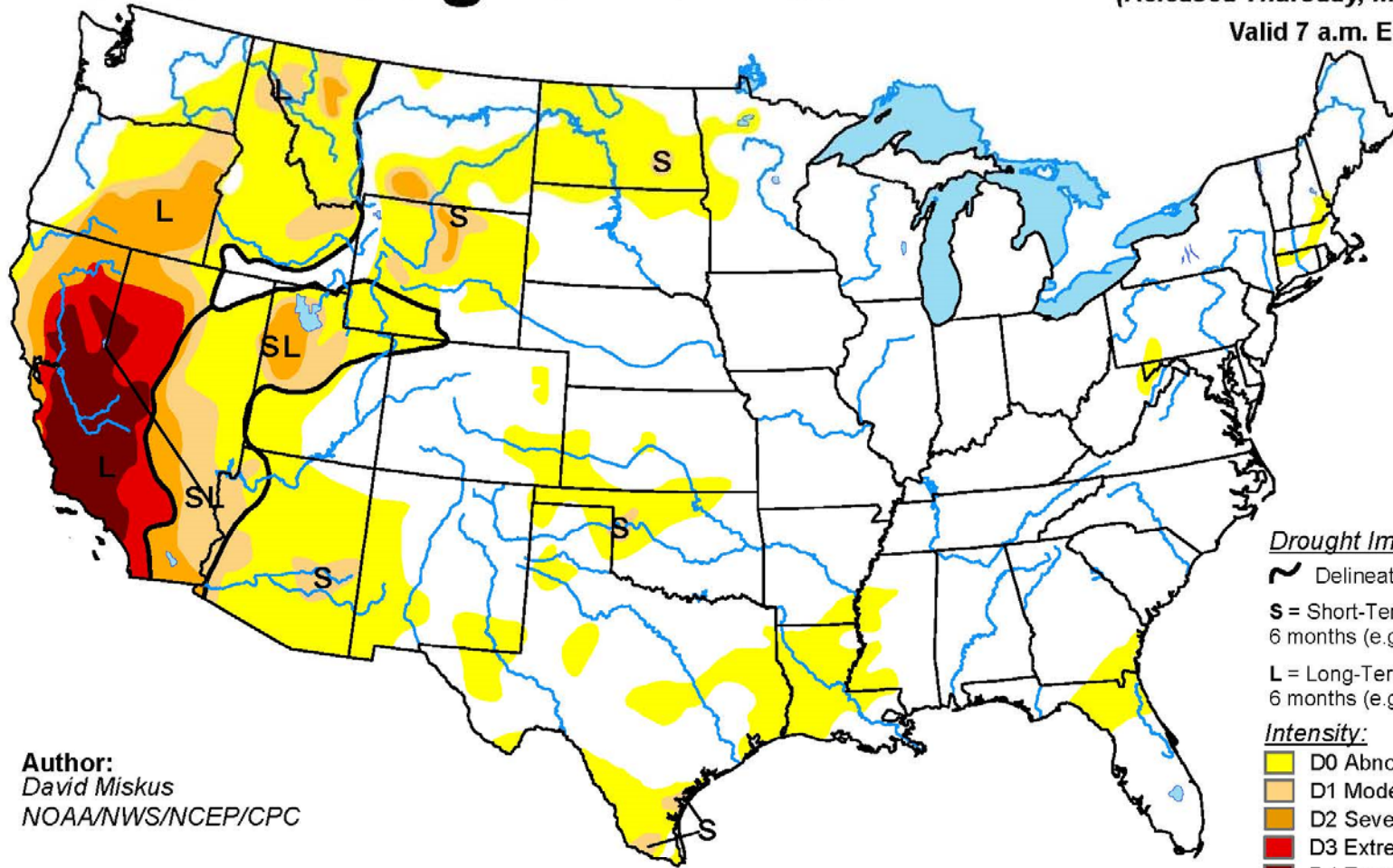
* data is suspect

Wyoming SNOTEL Current Snow Water Equivalent (SWE) % of Median



U.S. Drought Monitor

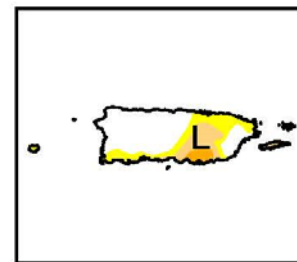
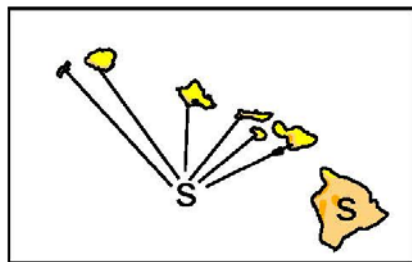
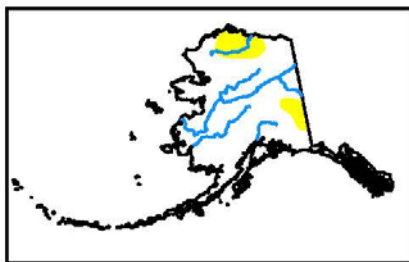
March 8, 2016
 (Released Thursday, Mar. 10, 2016)
 Valid 7 a.m. EST



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:
 Yellow: D0 Abnormally Dry
 Light Orange: D1 Moderate Drought
 Orange: D2 Severe Drought
 Red: D3 Extreme Drought
 Dark Red: D4 Exceptional Drought

Author:
 David Miskus
 NOAA/NWS/NCEP/CPC



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



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

For more information, contact: Lee Hackleman (307) 233-6744 NRCS Snow Surveys 100 East B St.,
Room 3124 Casper, WY

lee.hackleman@wy.usda.gov