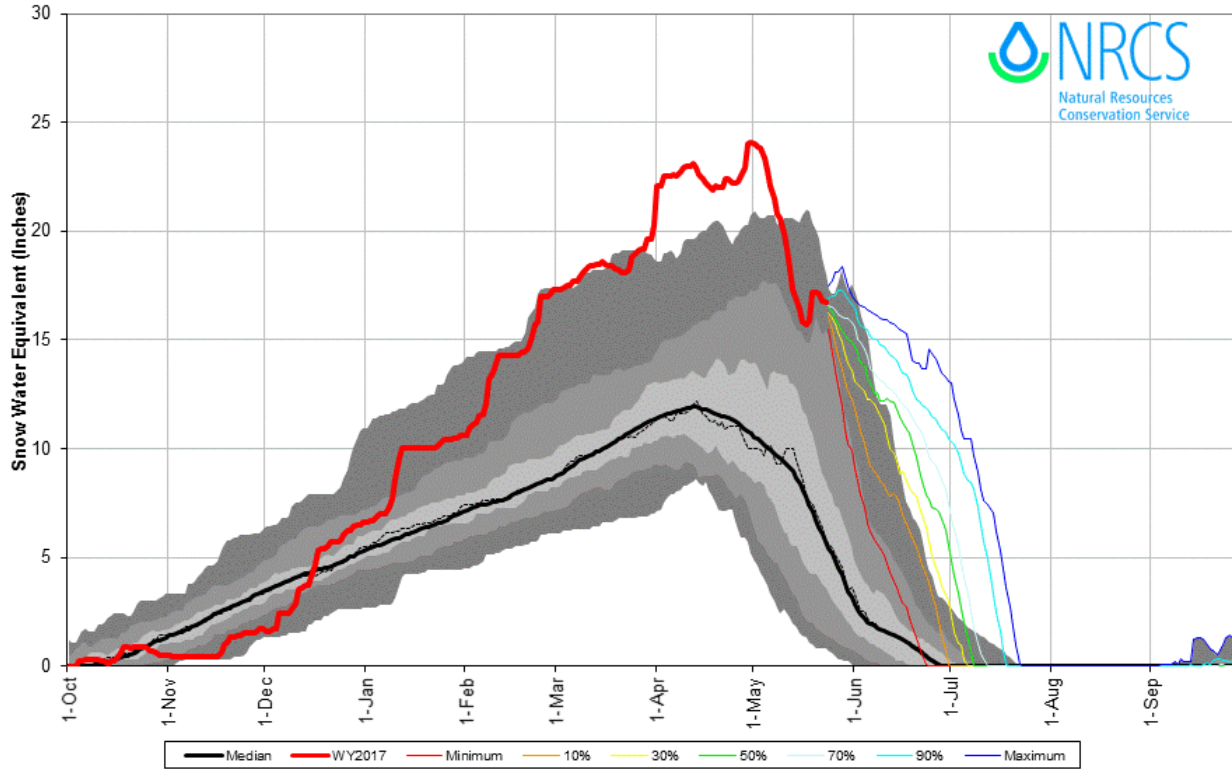


Wind River Basin (May 25th, 2017)

Wind River with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of May 23, 2017



May 1st SNOTEL SWE varies from 150 to 1238% of median

Median May 1st SWE

- @ 120% last year
- @ 236% this year
- Median Peak - MAY 12th @ 12"
- 2017 Peak - APR 30th @ 24"

Precipitation to date

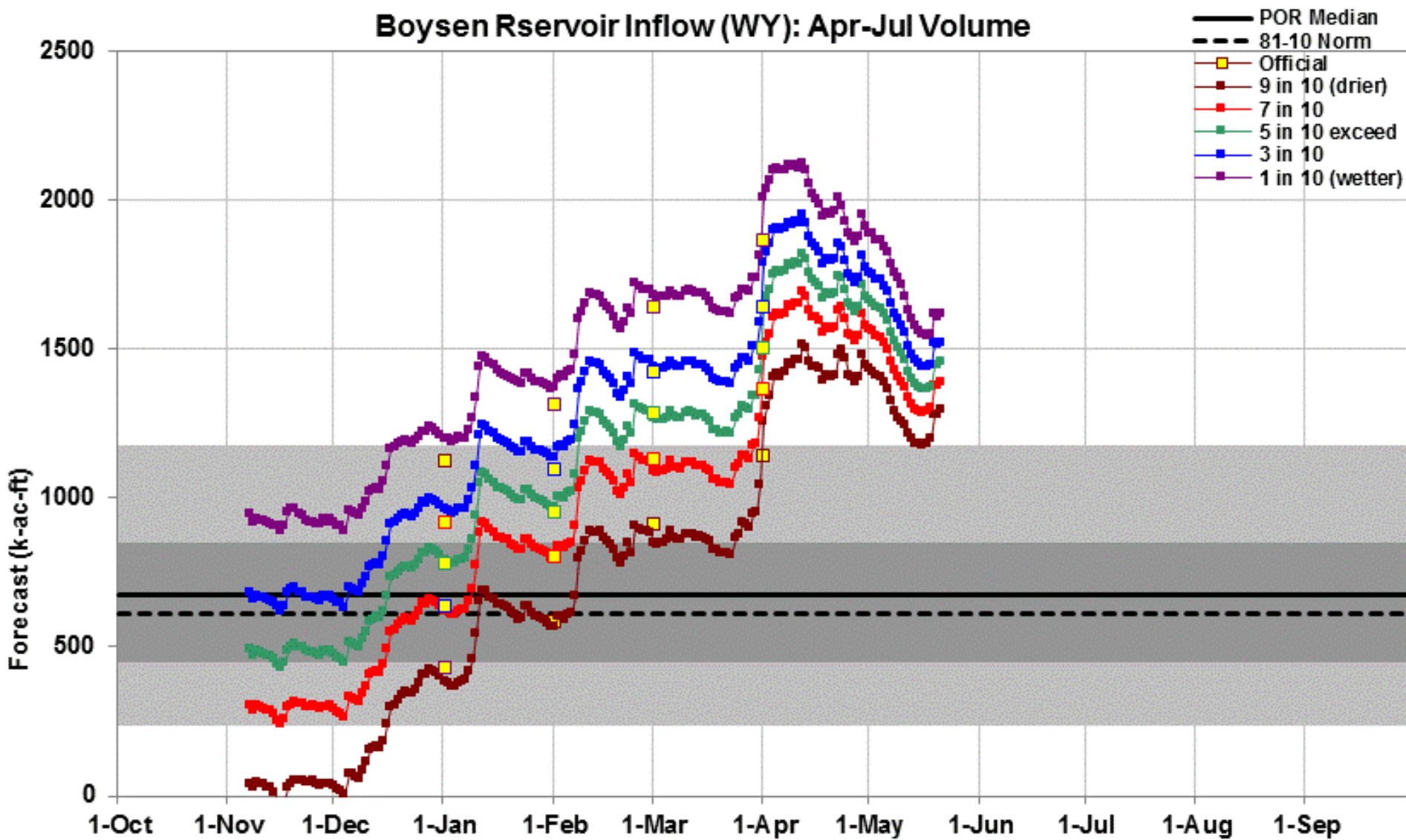
- @ 123% last year
- @ 142% this year

May 1st (May-Sep) streamflow forecasts for Boysen Reservoir Inflow

- 90% 1,380,000 ac-ft
- 50% 1,620,000 ac-ft
- 10% 1,850,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
Dinwoody Ck nr Burris	MAY-JUL	89	137%	MAY-SEP	122	134%
WIND RIVER abv Bull Lake Cr	MAY-JUL	845	197%	MAY-SEP	935	201%
WIND RIVER at Riverton	MAY-JUL	905	203%	MAY-SEP	1060	202%
BOYSEN RESERVOIR Inflow	MAY-JUL	1470	263%	MAY-SEP	1620	263%
BULL LAKE Ck nr Lenore	MAY-JUL	240	178%	MAY-SEP	295	178%
LT POPO AGIE RIVER nr Lander	MAY-JUL	98	251%	MAY-SEP	108	235%
LT WIND RIVER nr Riverton	MAY-JUL	655	267%	MAY-SEP	715	260%

Boysen Rservoir Inflow (WY): Apr-Jul Volume



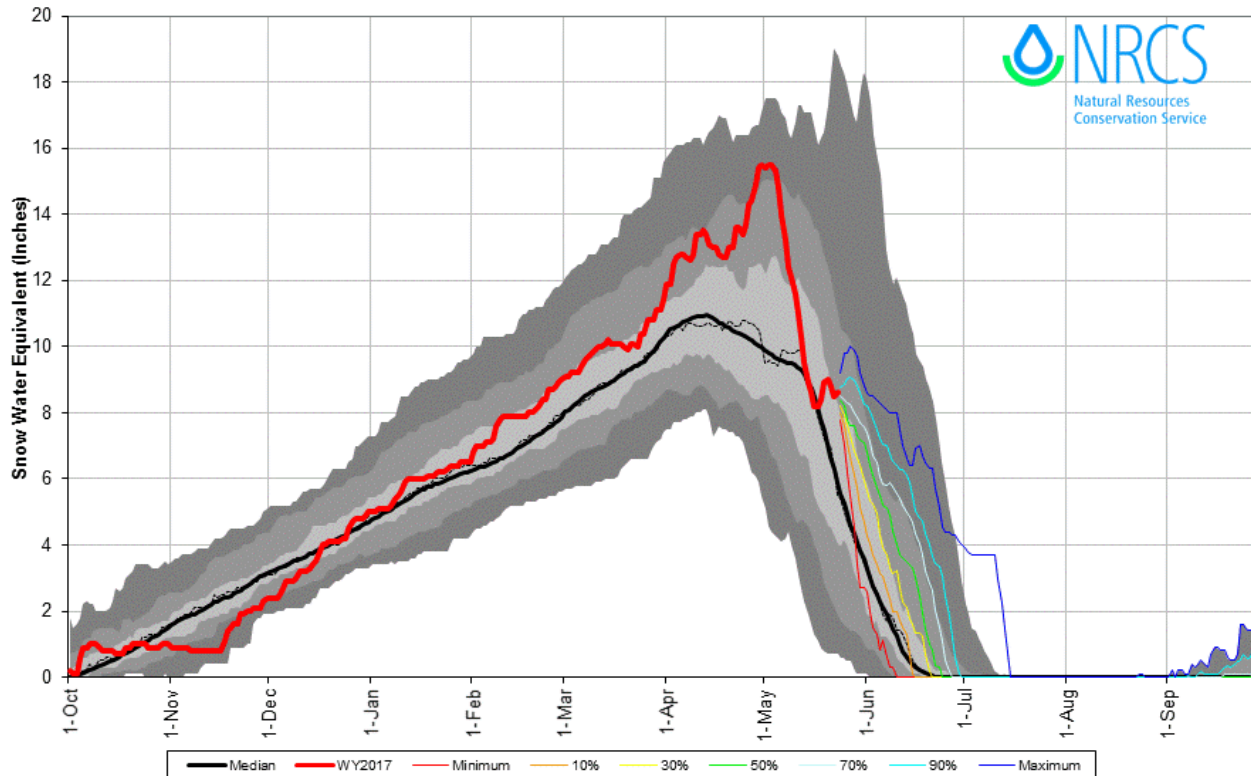
Created 6:45 May 21 2017



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 supercede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Big Horn River Basin (May 25th, 2017)

Bighorn with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of May 23, 2017



Current SNOTEL SWE varies from 118 to 900% of median

Median SWE to date

- @ 101% last year
- @ 149% this year
- Avg Peak - Apr 12th @ 11"
- 2017 Peak - May 3rd @ 15.5"

Precipitation to date

- @ 96% last year
- @ 146% this year

May 1st (May-Sep) streamflow forecasts for Bighorn River at Kane

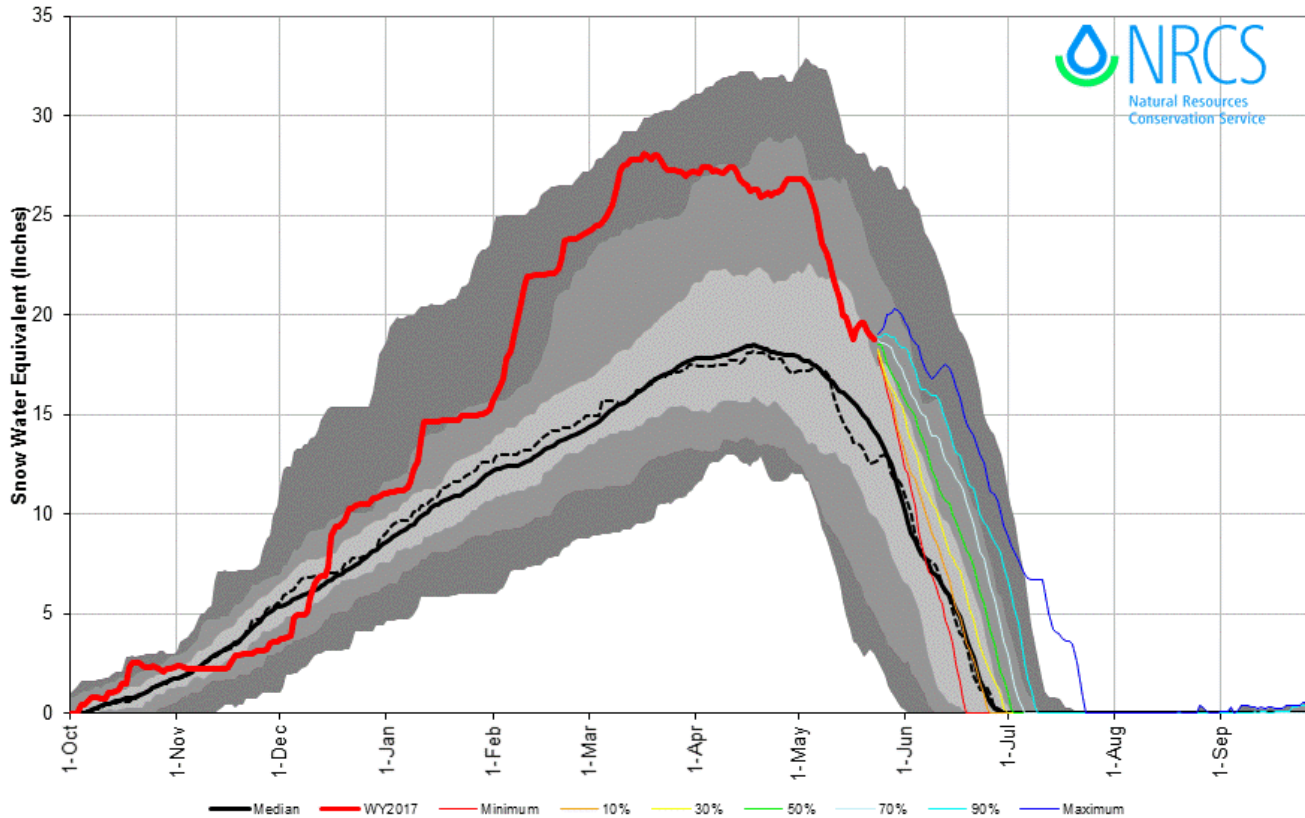
- 90% is 1,840,000 ac-ft
- 50% is 2,220,000 ac-ft
- 10% is 2,600,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
BOYSEN RESERVOIR Inflow	MAY-JUL	1470	263%	MAY-SEP	1620	263%
GREYBULL RIVER nr Meeteetse	MAY-JUL	245	198%	MAY-SEP	325	191%
SHELL CREEK nr Shell	MAY-JUL	63	121%	MAY-SEP	75	119%
BIGHORN RIVER at Kane	MAY-SEP	2010	261%	MAY-SEP	2220	267%

Shoshone River Basin (May 15th, 2017)

Shoshone River Basin with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of May 23, 2017



Current SNOTEL SWE varies from 137 to 167% of median.

Median SWE to date

- @ 74% last year
- @ 147% this year
- Avg Peak - Apr 18th @18"
- 2017 peak-Mar 15th @28"

Precipitation to date

- @ 104% last year
- @ 188% this year

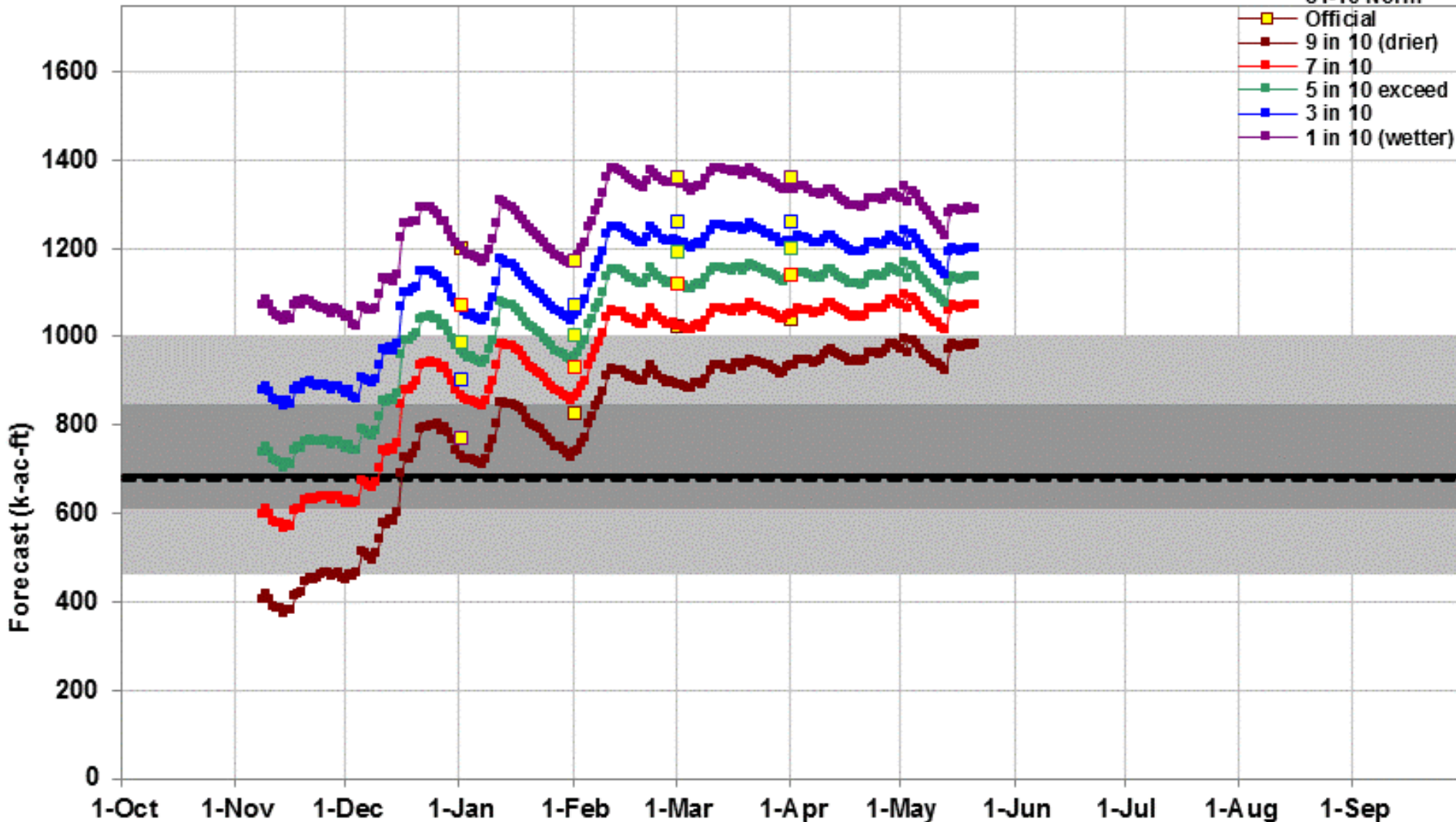
MAY 1st May-Sep forecasts for Buffalo Bill Dam Inflow

- 90% is 1,160,000 ac-ft
- 50% is 1,310,000 ac-ft
- 10% is 1,460,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
NF SHOSHONE RIVER at Wapiti	MAY-JUL	735	171%	MAY-SEP	820	169%
SF SHOSHONE RIVER nr Valley	MAY-JUL	385	193%	MAY-SEP	450	191%
SF SHOSHONE abv Buffalo Bill	MAY-JUL	420	228%	MAY-SEP	450	234%
BUFFALO BILL DAM Inflow	MAY-JUL	1190	189%	MAY-SEP	1310	187%

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

- POR Median
- - - 81-10 Norm
- Official
- 9 in 10 (drier)
- 7 in 10
- 5 in 10 exceed
- 3 in 10
- 1 in 10 (wetter)



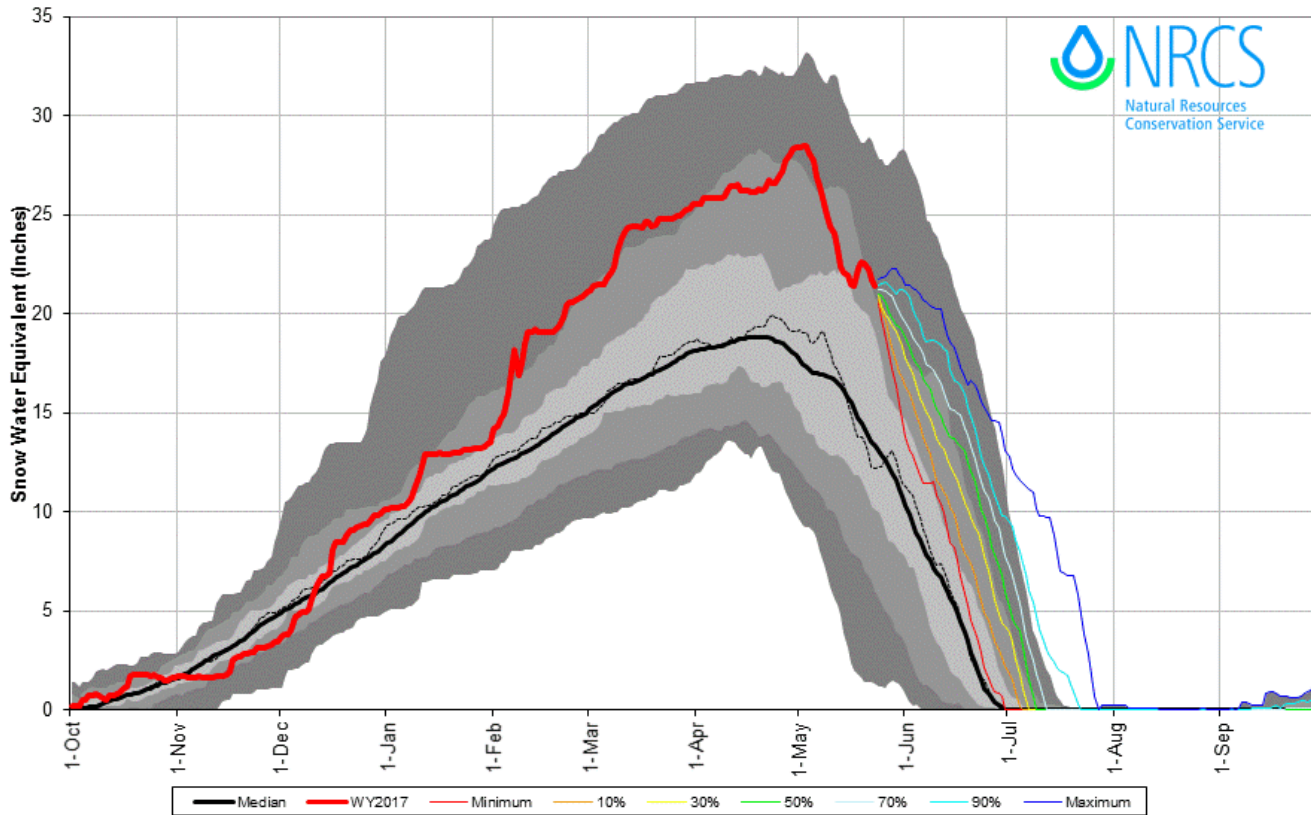
This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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 supercede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Created 6:46 May 21 2017



Yellowstone River Basin (May 25th, 2017)

Yellowstone with Non-Exceedence Projections
 Based on Provisional SNOTEL Data as of May 23, 2017



Current SNOTEL SWE varies from 97 to 236% of median

Median SWE to date

- @ 156% this year
- @ 74% last year
- 2017 peak May 3rd @ 28"
- Avg peak-Apr 22nd @ 18"

Precipitation to date

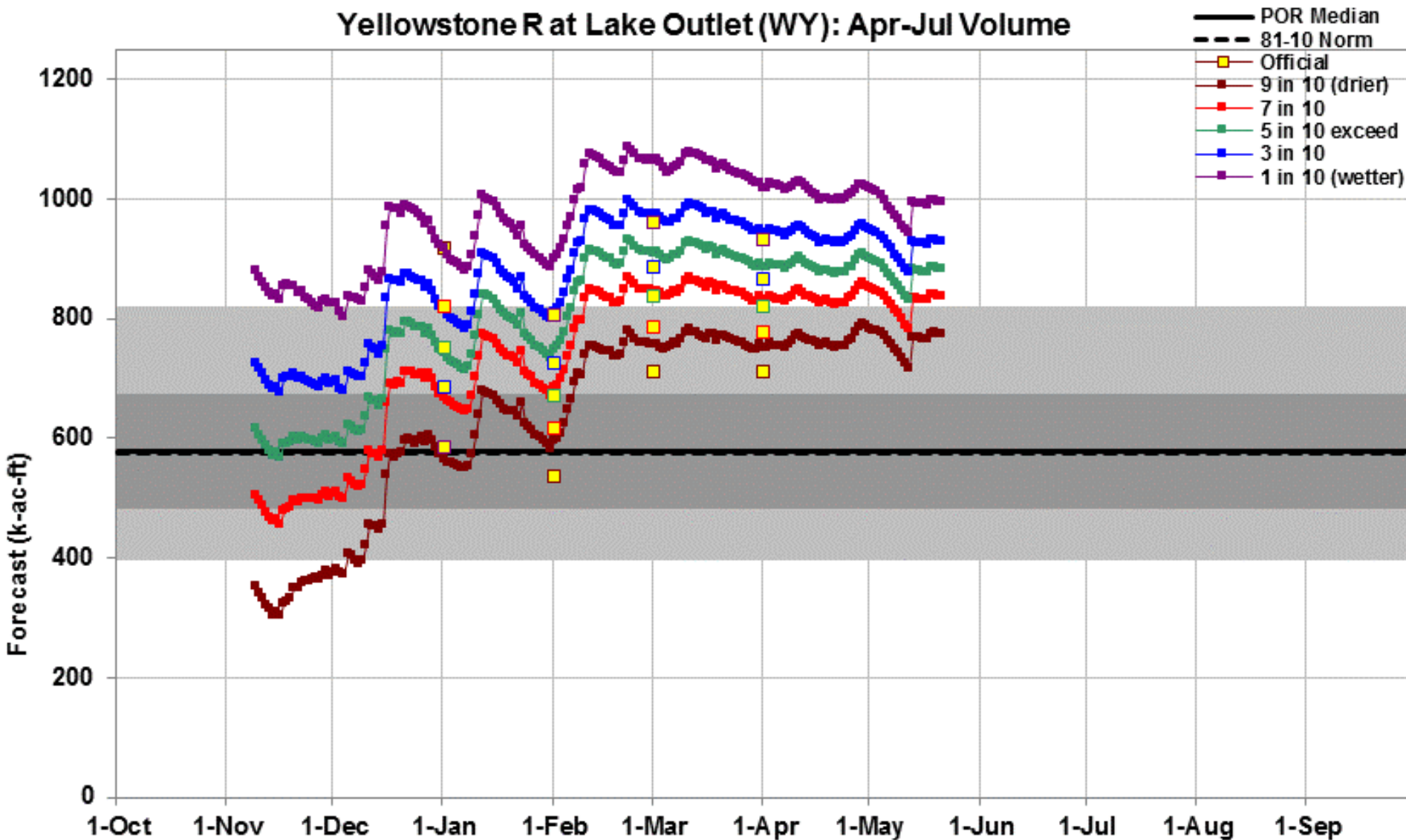
- @ 102% last year
- @ 94% this year

May 1st May-Sep forecasts for the Yellowstone R at Lake Outlet

- 90% is 960,000 ac-ft
- 50% is 1,100,000 ac-ft
- 10% is 1,250,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
Yellowstone R at Lake Outlet	MAY-JUL	815	150%	MAY-SEP	1100	150%
Yellowstone R at Corwin Springs	MAY-JUL	2180	147%	MAY-SEP	2590	146%
Yellowstone R at Livingston	MAY-JUL	2500	150%	MAY-SEP	2960	147%
Clarks Fork R nr Belfry	MAY-JUL	800	167%	MAY-SEP	885	169%

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



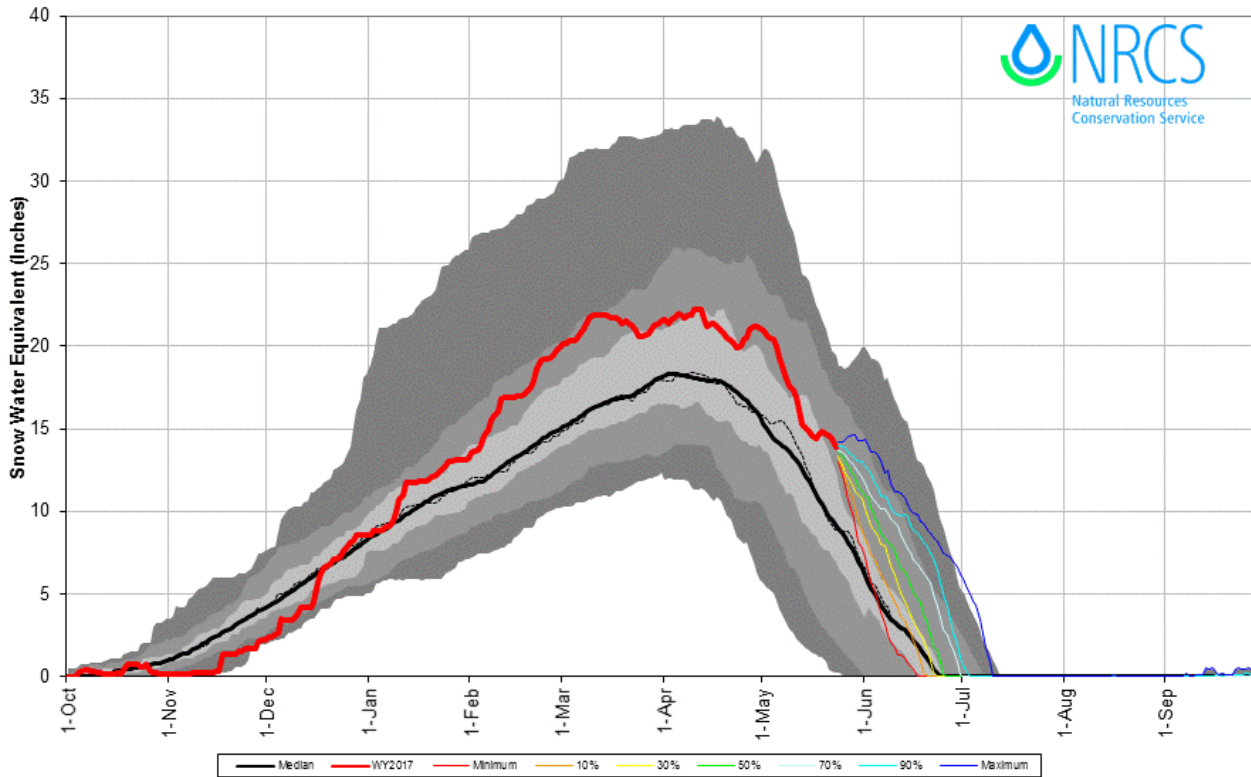
Created 6:44 May 21 2017



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 supercede the official forecasts produced in coordination with the National Weather Service. Science Contact: Cara.s.McCarthy@por.usda.gov www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Madison-Gallatin River Basin (May 25th, 2017)

Madison_Gallatin with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of May 23, 2017



Current SNOTEL SWE varies from 88 to 180% of median

Median SWE to date

- @ 73% last year
- @ 132% this year
- Avg peak - Apr 15th @ 18"
- 2017 peak - Apr 10th @ 22"

Precipitation to date

- @ 85% last year
- @ 150% this year

MAY 1st MAY-July runoff forecasts for Hegben Reservoir Inflow

- 90% is 380,000 ac-ft
- 50% is 465,000 ac-ft
- 10% is 550,000 ac-ft

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
Hegben Reservoir Inflow	MAY-JUL	355	116%	MAY-SEP	465	115%

Wyoming– NRCS

Report #29

Monday Morning Snow Report

May 22nd, 2017

Good morning everyone this is the 29th Monday Snow Report for the 2016-2017 snow season. Last year at this time the state median was 135% with a low of 0% and a high of 402%. This year the state median is 176% with a low of 0% and a high of 353% 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 shown.

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>”. 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, 2 previous ending weeks and 2016, 2015, 2014 equivalent (SWE) amounts for Wyoming basins. Median is based on all reporting SNOTEL sites in the basin, not the snow courses. The reference period for average comparison is 1981-2010.

DRAINAGE BASIN	5/22/2017	5/15/2017	5/8/2017	5/22/2016	5/22/2015	5/22/2014
SNAKE RIVER	162	139	150	65	52	160
MADISON	146	118	128	46	22	148
YELLOWSTONE	154	134	148	60	69	159
WIND RIVER	304	210	227	152	88	153
BIGHORN BASIN	135	99	130	69	62	190
SHOSHONE RIVER	131	124	138	66	72	146
POWDER	161	98	138	66	78	234
TONGUE	164	105	123	70	65	216
BELLE FOURCHE	0	0	0	0	0	0
CHEYENNE	0	0	0	0	0	0
UPPER N. PLATTE	104	81	90	129	81	153
SWEETWATER	353	203	217	163	94	128
LOWER N. PLATTE	117	24	74	402	196	548
LARAMIE	91	69	89	160	98	181
S. PLATTE	107	89	111	132	113	163
LITTLE SNAKE RIVER	101	74	83	157	59	132
UPPER GREEN	289	158	194	97	83	233
LOWER GREEN	187	134	155	119	62	145
UPPER BEAR	270	144	164	79	13	122
Weighted State Average	176	115	140	135	86	214

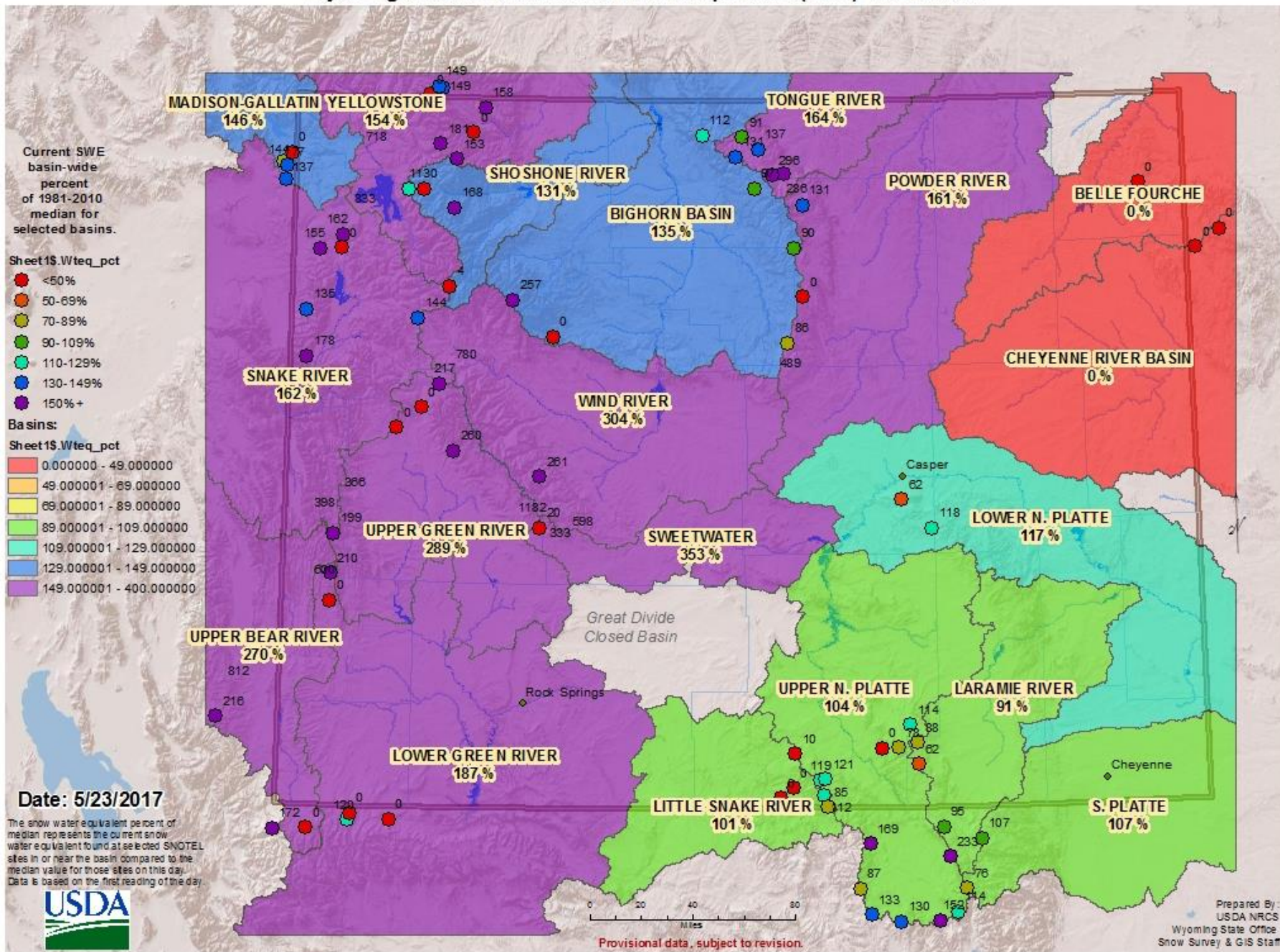
red = down

blue = up

green = even

* data is suspect

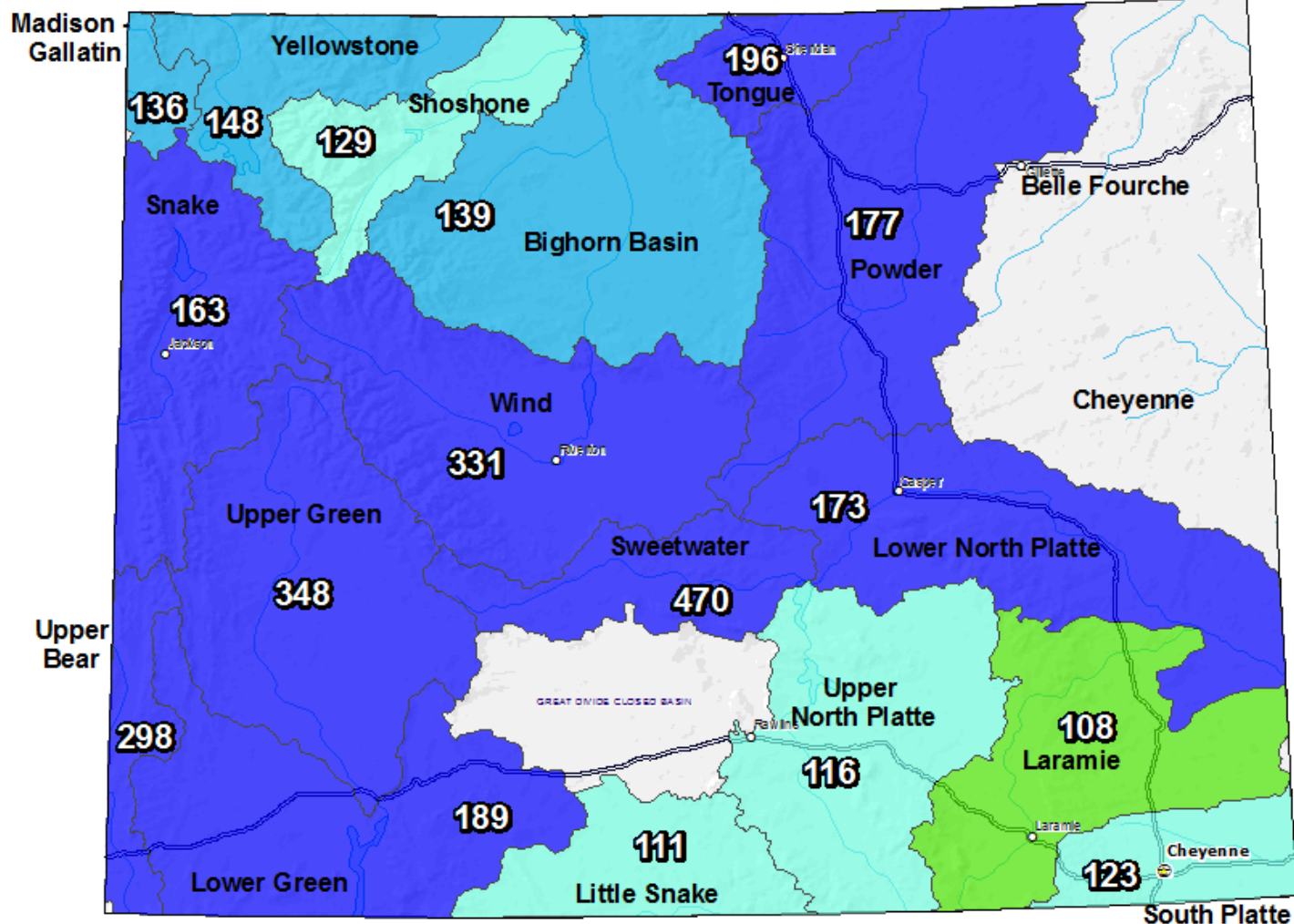
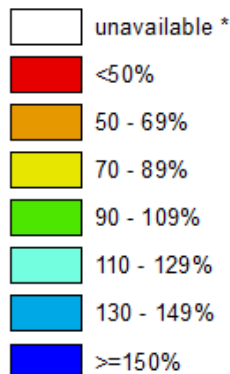
Wyoming SNOTEL Current Snow Water Equivalent (SWE) % of Median



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

May 25, 2017

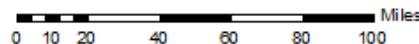
Current Snow Water Equivalent (SWE)
Basin-wide Percent
of 1981-2010 Median



Provisional Data
Subject to Revision

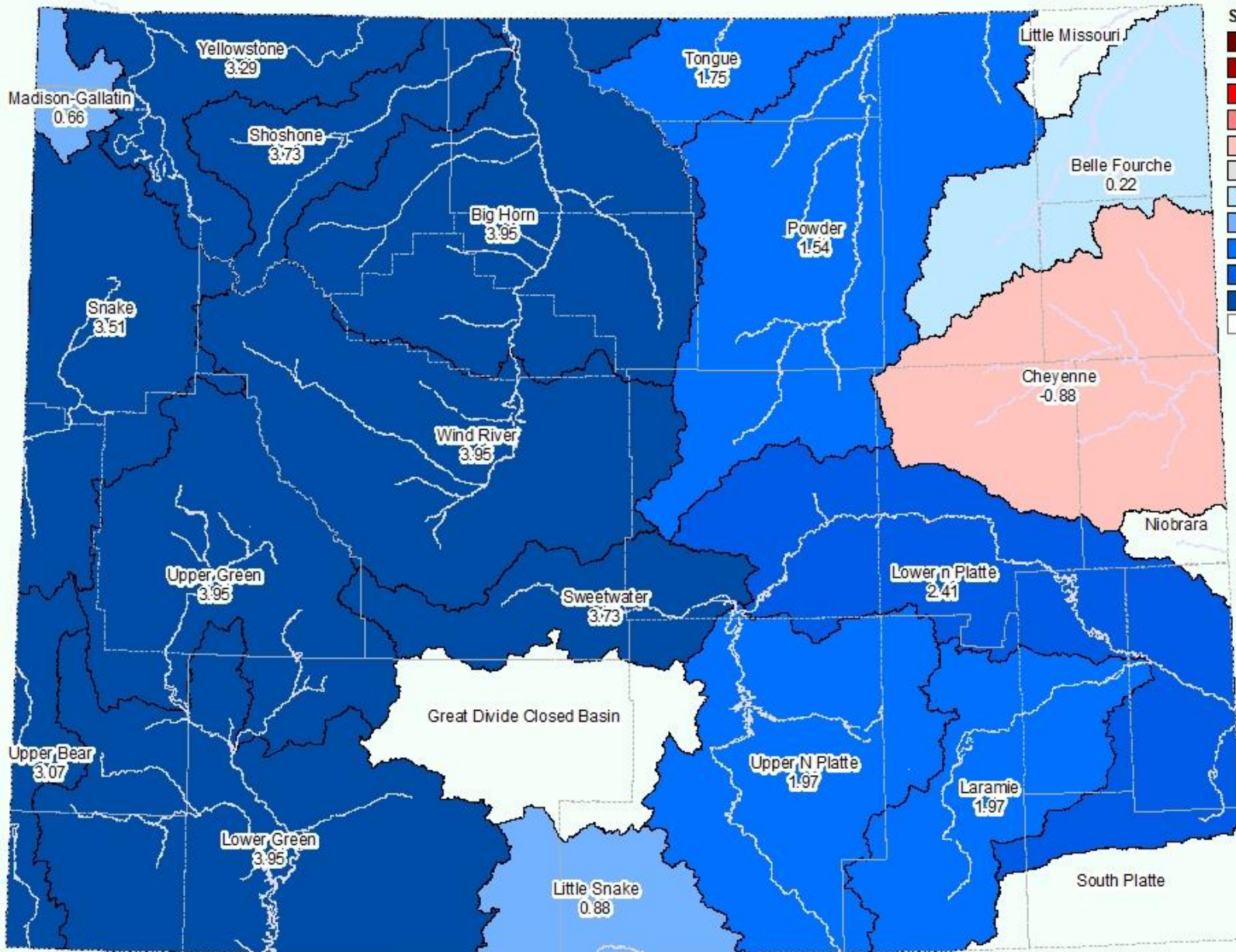


The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).



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

Wyoming SWSI



Date: 5/4/2017

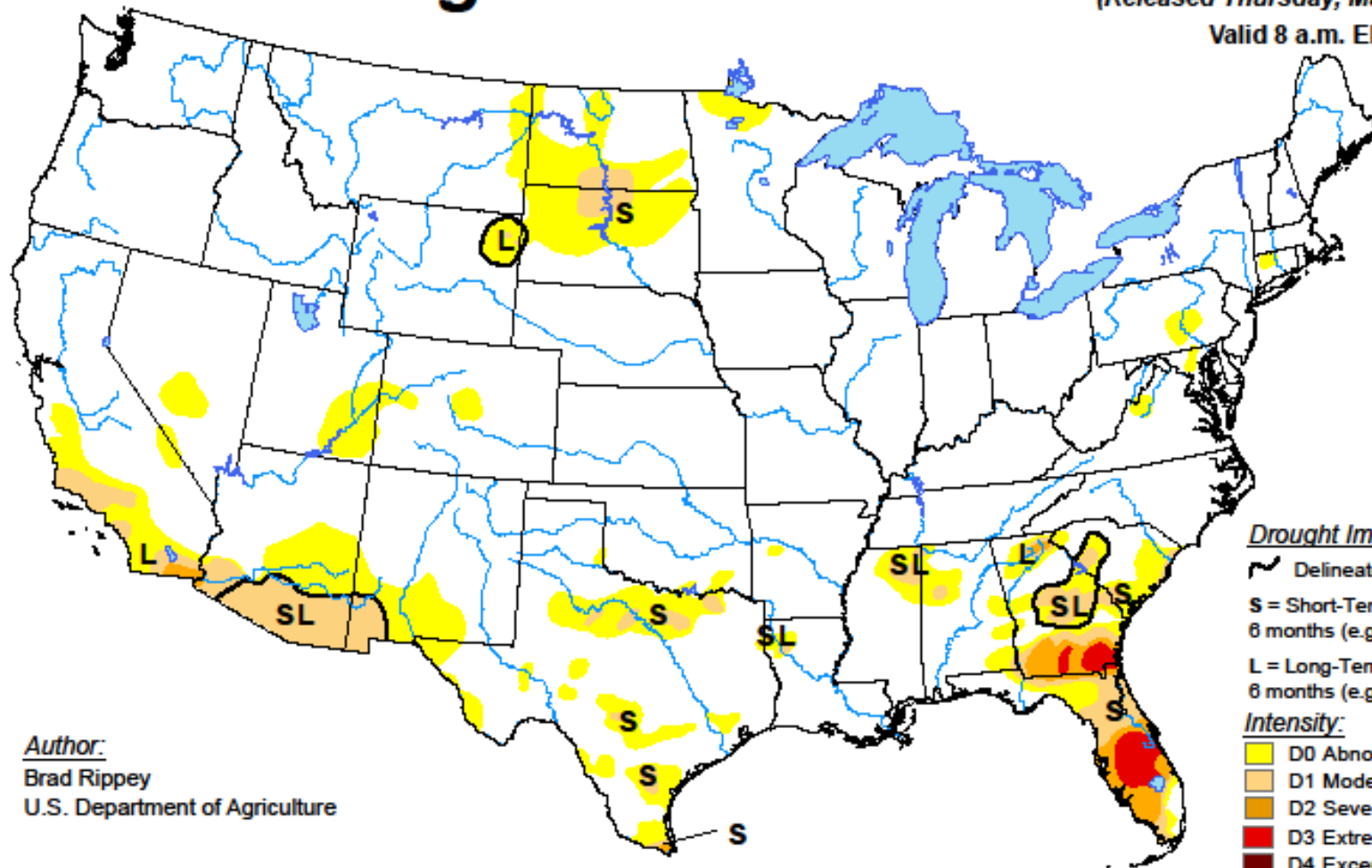


U.S. Drought Monitor

May 23, 2017

(Released Thursday, May. 25, 2017)

Valid 8 a.m. EDT



Author:
Brad Rippey
U.S. Department of Agriculture

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

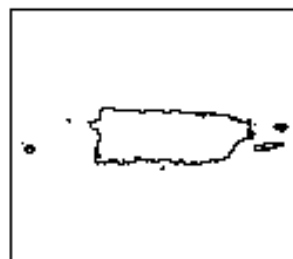
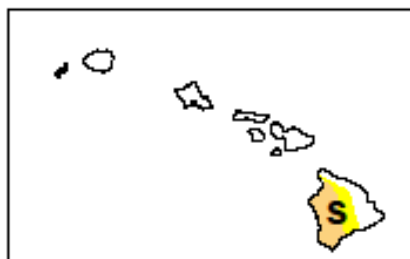
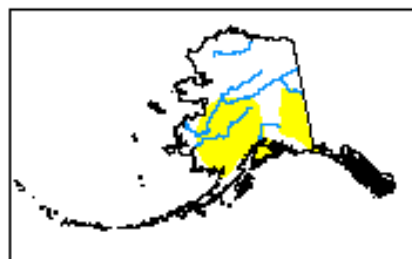
D1 Moderate Drought

D2 Severe Drought

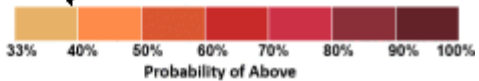
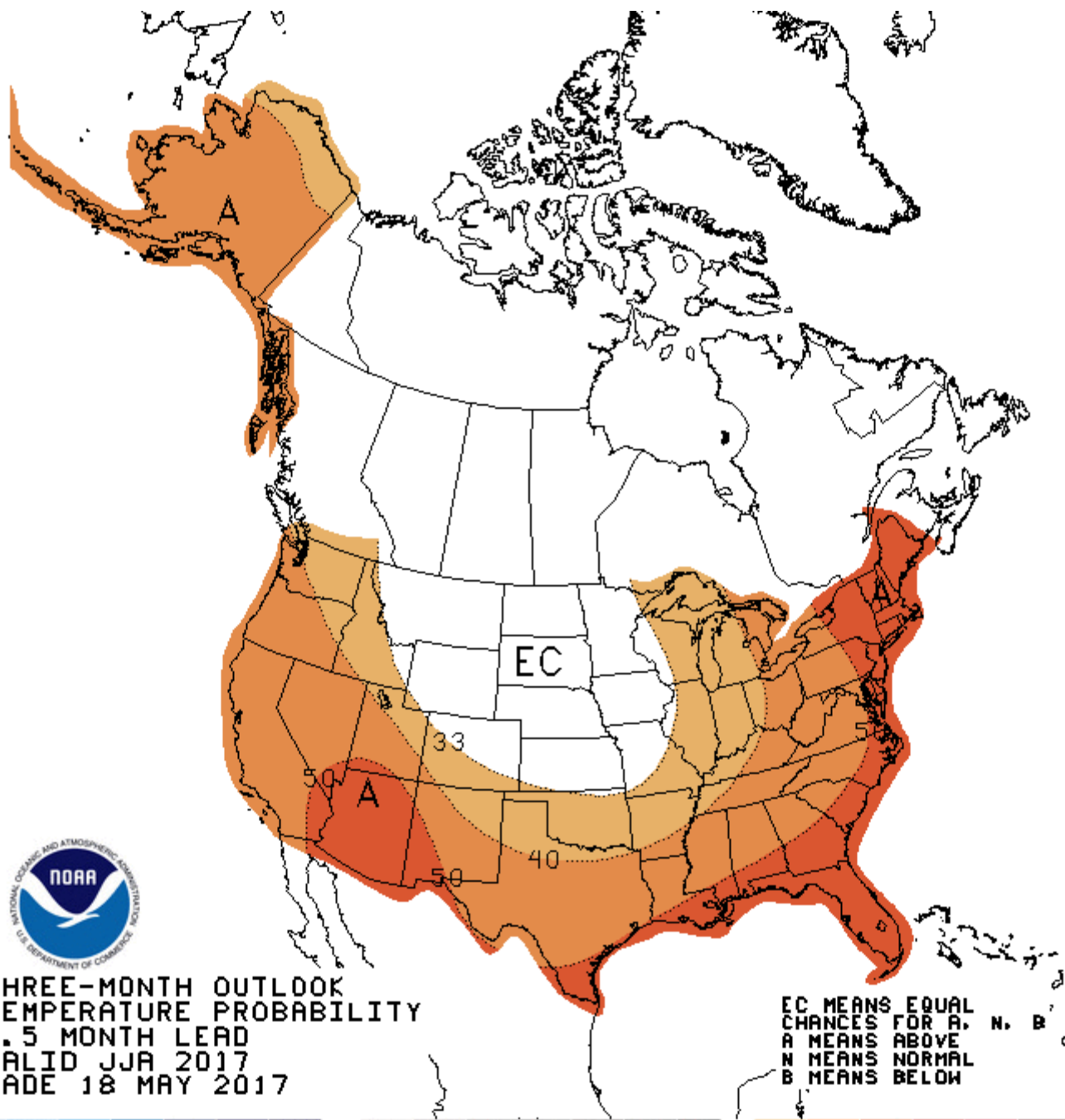
D3 Extreme Drought

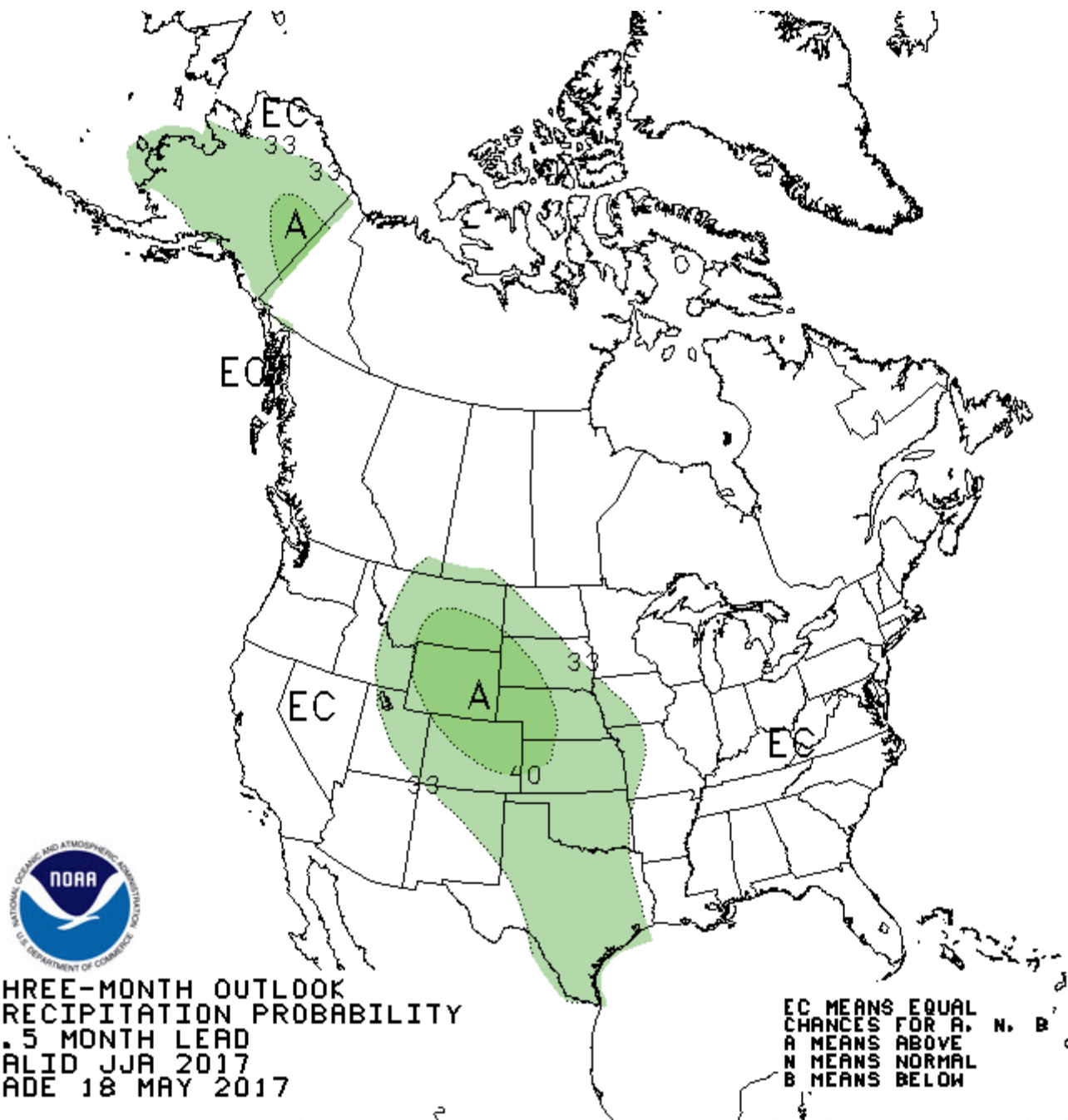
D4 Exceptional Drought

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

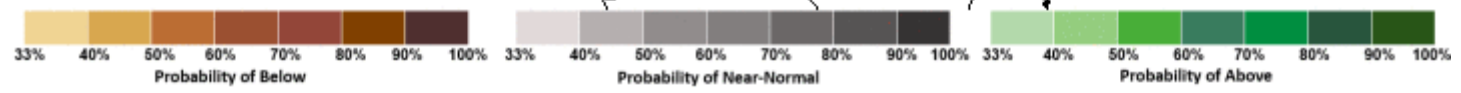


<http://droughtmonitor.unl.edu/>





**THREE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID JJA 2017
 MADE 18 MAY 2017**



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

lee.hackleman@wy.usda.gov