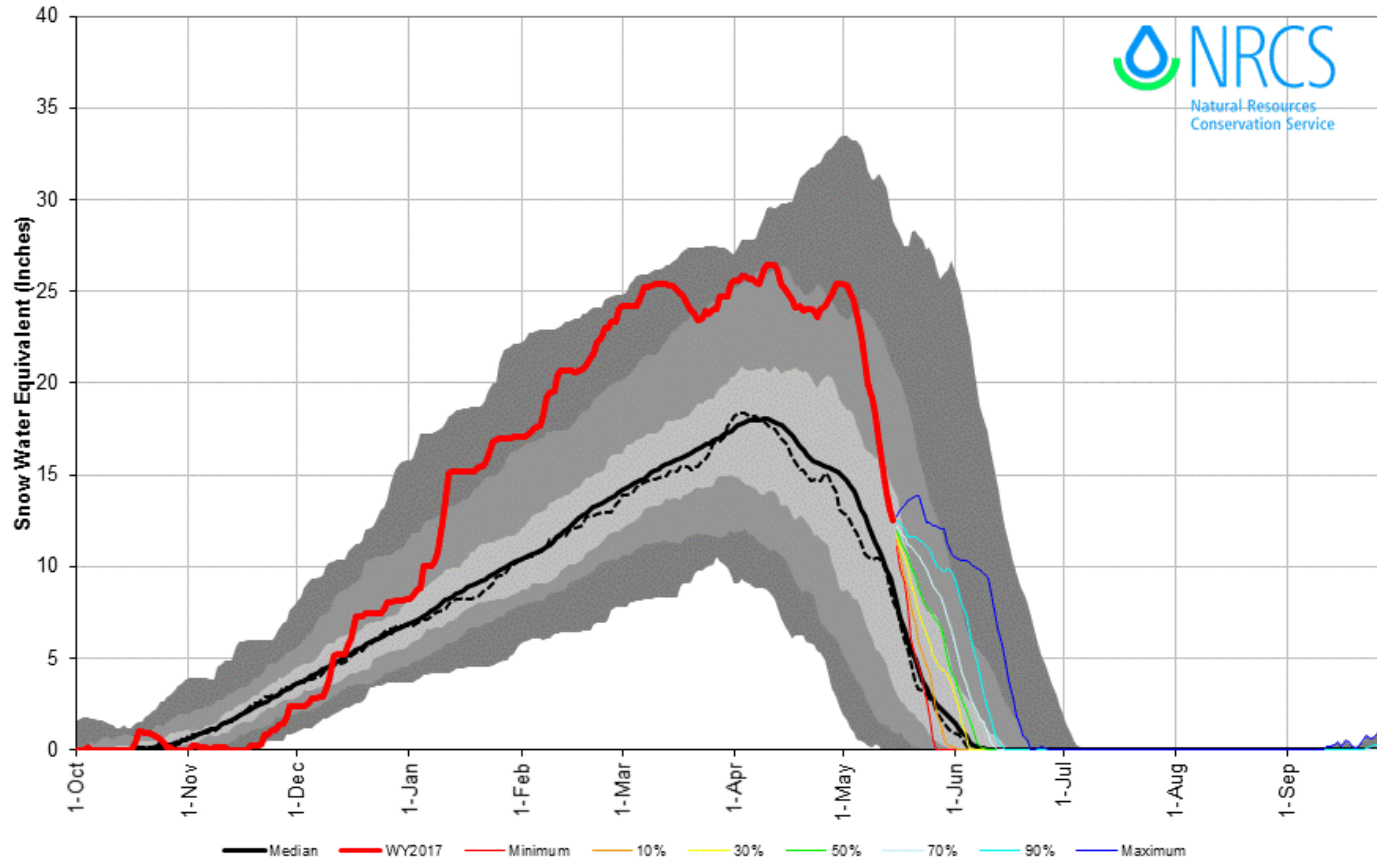


Upper Bear River Basin (May 16th, 2017)

Upper Bear River Basin with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of May 15, 2017



May 1st SNOTEL SWE varied from 66 to 234% of median

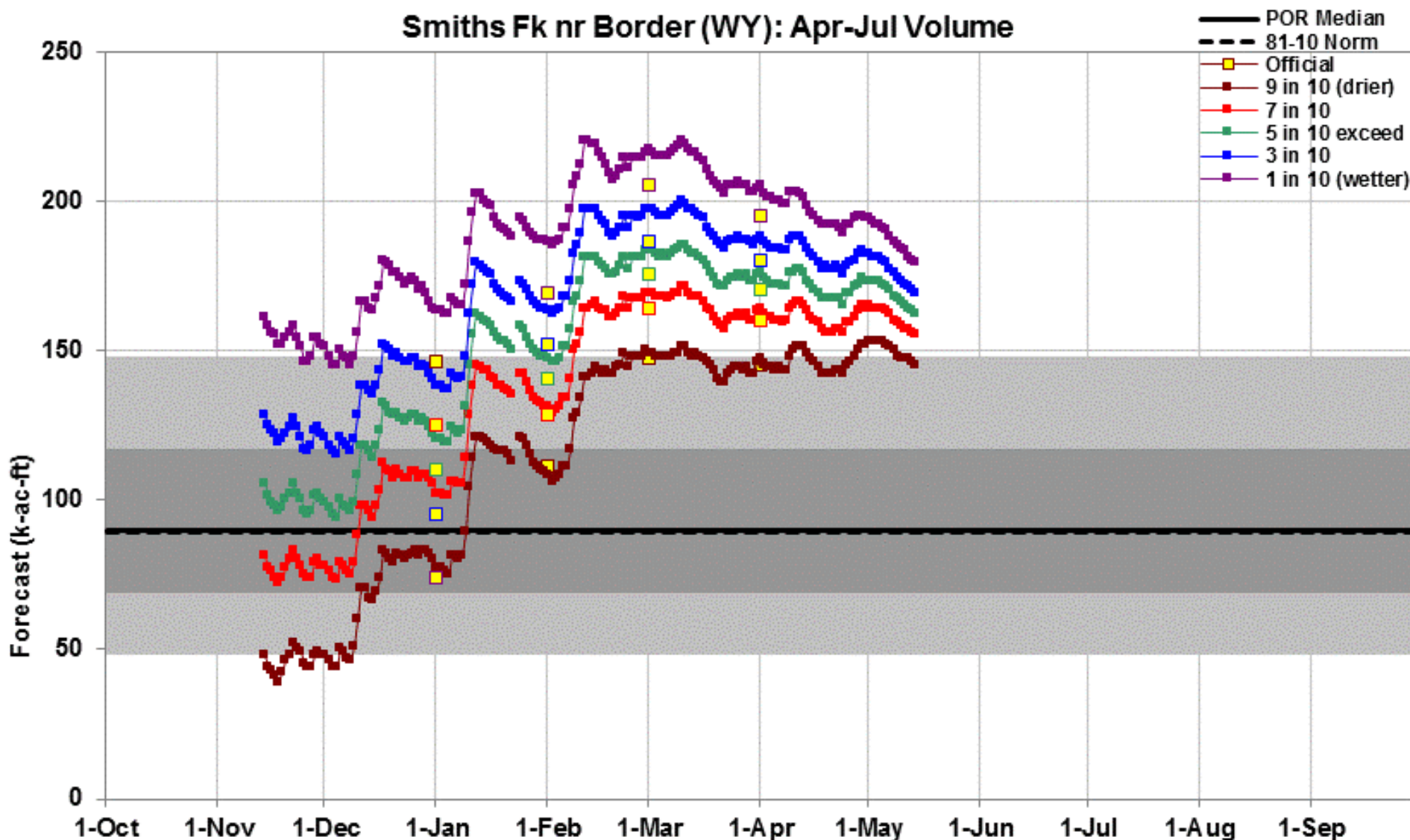
- May 1st median SWE
- @ 171% this year
 - @ 86% last year
 - Avg Peak - April 11th
 - 2017 Peak - April 11th

- Precipitation to May 1st
- @ 136% this year
 - @ 85% last year

Woodruff Narrows –
May 1st Storage 50,800 ac-ft
57% capacity 46% avg

Forecast Point	PER	KAF	Avg	PER	KAF	Avg
Bear R nr UT-WY Border	MAY-JUL	167	161%	MAY-SEP	187	161%
Bear R ab Res nr Woodruff	MAY-JUL	195	186%	MAY-SEP	210	189%
Smiths Fork nr Border	MAY-JUL	157	96%	MAY-SEP	183	193%

Smiths Fk nr Border (WY): Apr-Jul Volume

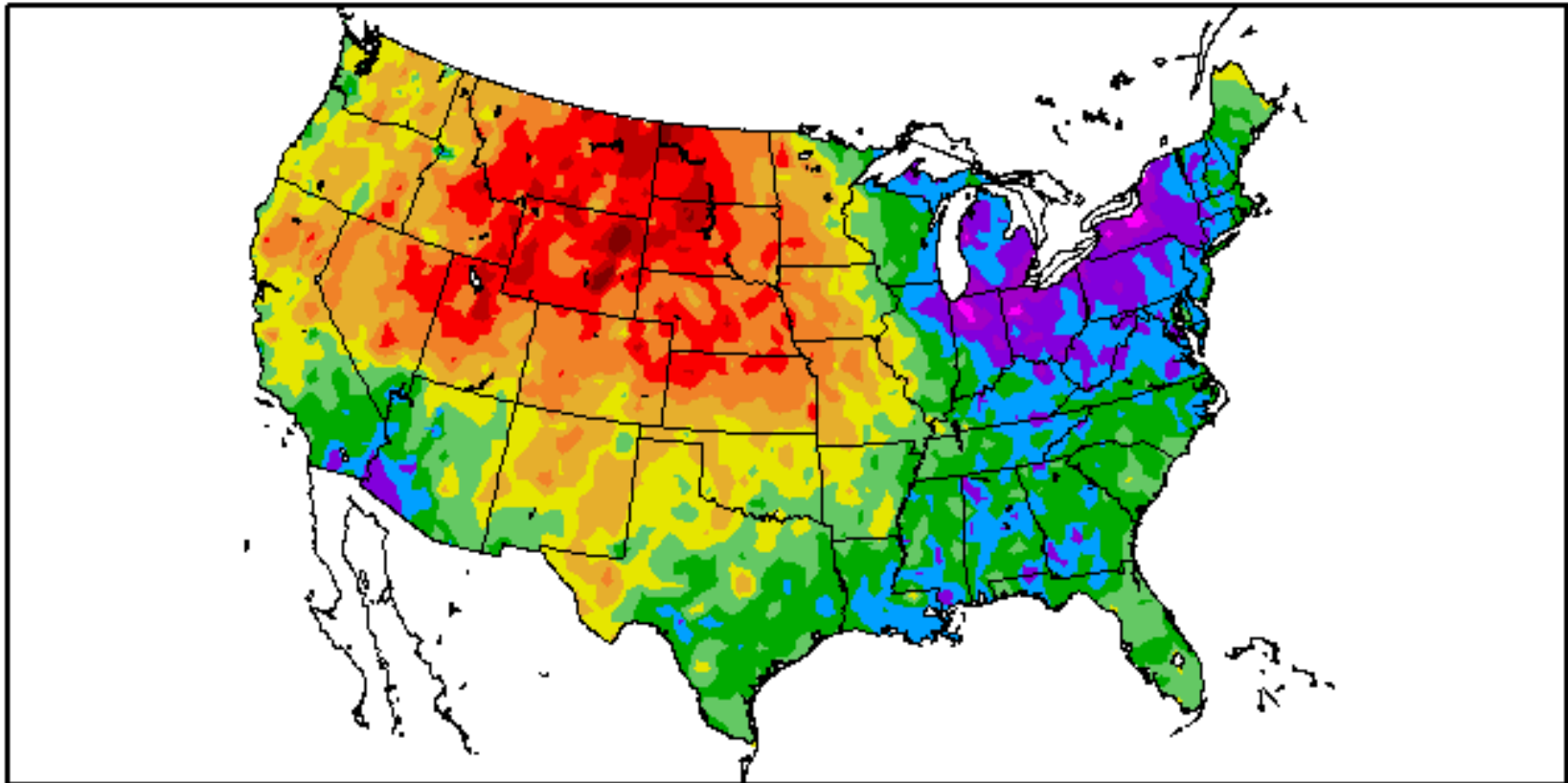


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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 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 7:21 May 14 2017



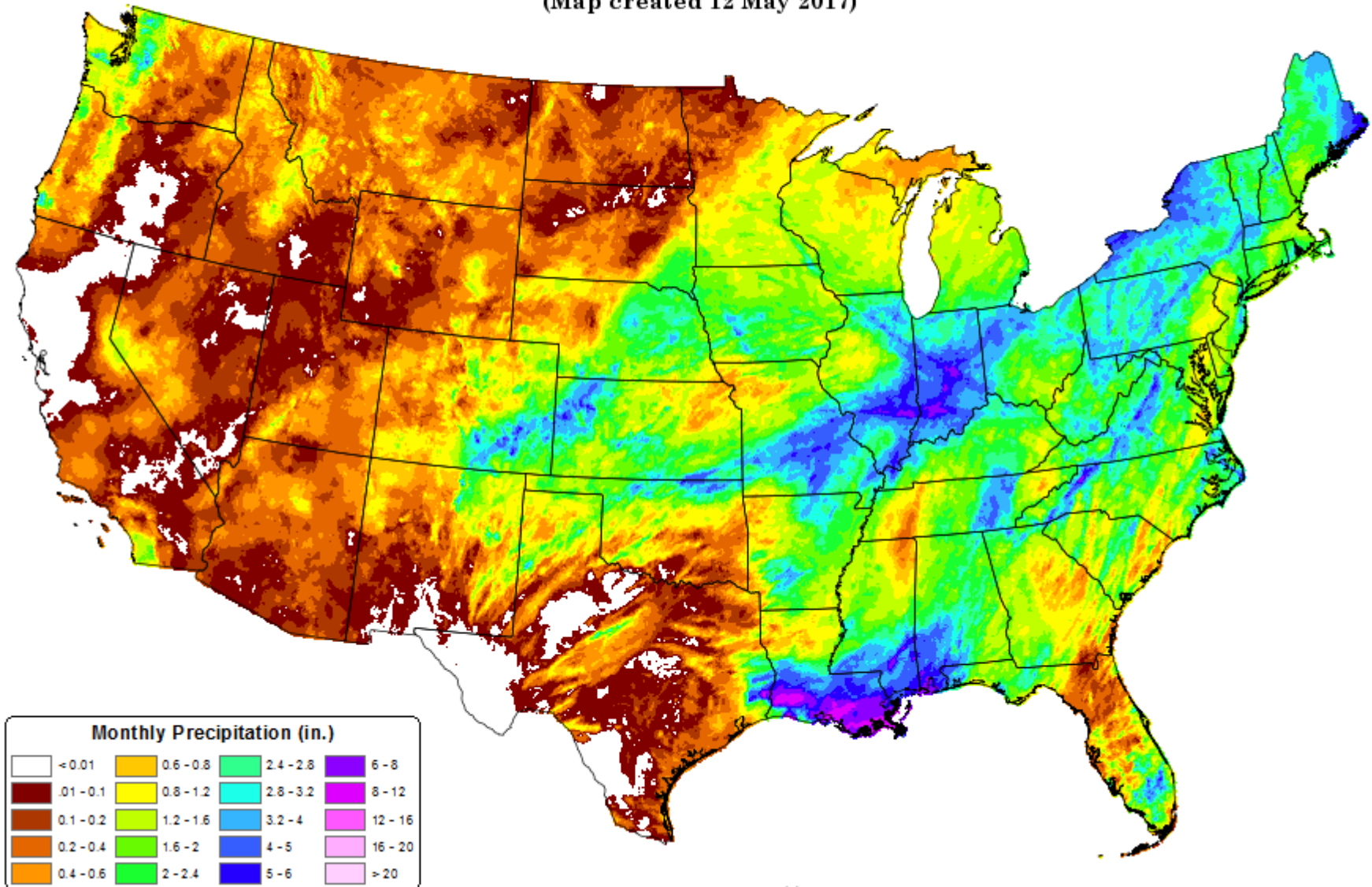
Departure from Normal Temperature (F)
5/5/2017 - 5/11/2017



Total Precipitation: 01 May 2017 - 11 May 2017

Period ending 7 AM EST 11 May 2017

(Map created 12 May 2017)



Wyoming – NRCS

Report #28

Monday Morning Snow Report

May 15th, 2017

Good morning everyone this is the 28th Monday Snow Report for the 2016-2017 snow season. Last year at this time the state median was 107% with a low of 0% and a high of 205%. This year the state median is 115% with a low of 0% and a high of 210% 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. The Black Hills area has been zeroed out in the table as to not skew the data.

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, 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	5/15/2017	5/8/2017	5/1/2017	5/15/2016	5/15/2015	5/15/2014
SNAKE RIVER	139	150	159	63	47	160
MADISON	118	128	132	46	22	146
YELLOWSTONE	134	148	157	59	61	163
WIND RIVER	210	227	237	136	60	144
BIGHORN BASIN	99	130	156	78	52	163
SHOSHONE RIVER	124	138	150	64	67	154
POWDER	98	138	160	74	47	179
TONGUE	105	123	144	79	64	170
BELLE FOURCHE	0	0	0	0	0	0
CHEYENNE	0	0	0	0	0	0
UPPER N. PLATTE	81	90	97	119	62	140
SWEETWATER	203	217	212	120	49	116
LOWER N. PLATTE	24	74	101	205	66	228
LARAMIE	69	89	94	141	75	163
S. PLATTE	89	111	117	123	94	162
LITTLE SNAKE RIVER	74	83	88	138	45	129
UPPER GREEN	158	194	196	72	55	183
LOWER GREEN	134	155	182	107	43	155
UPPER BEAR	144	164	170	62	6	133
Weighted State Average	115	124	137	107	55	165

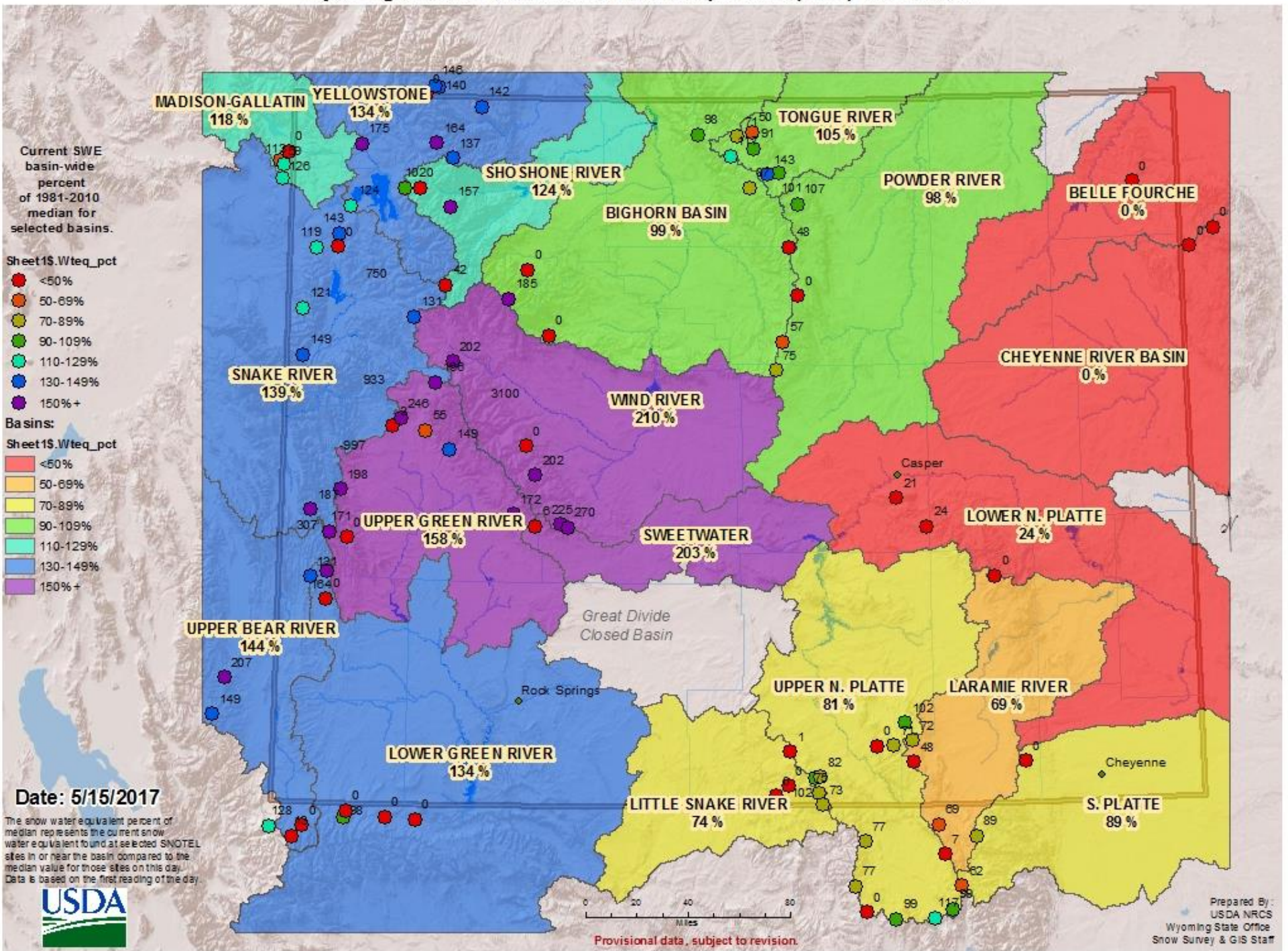
red = down

blue = up

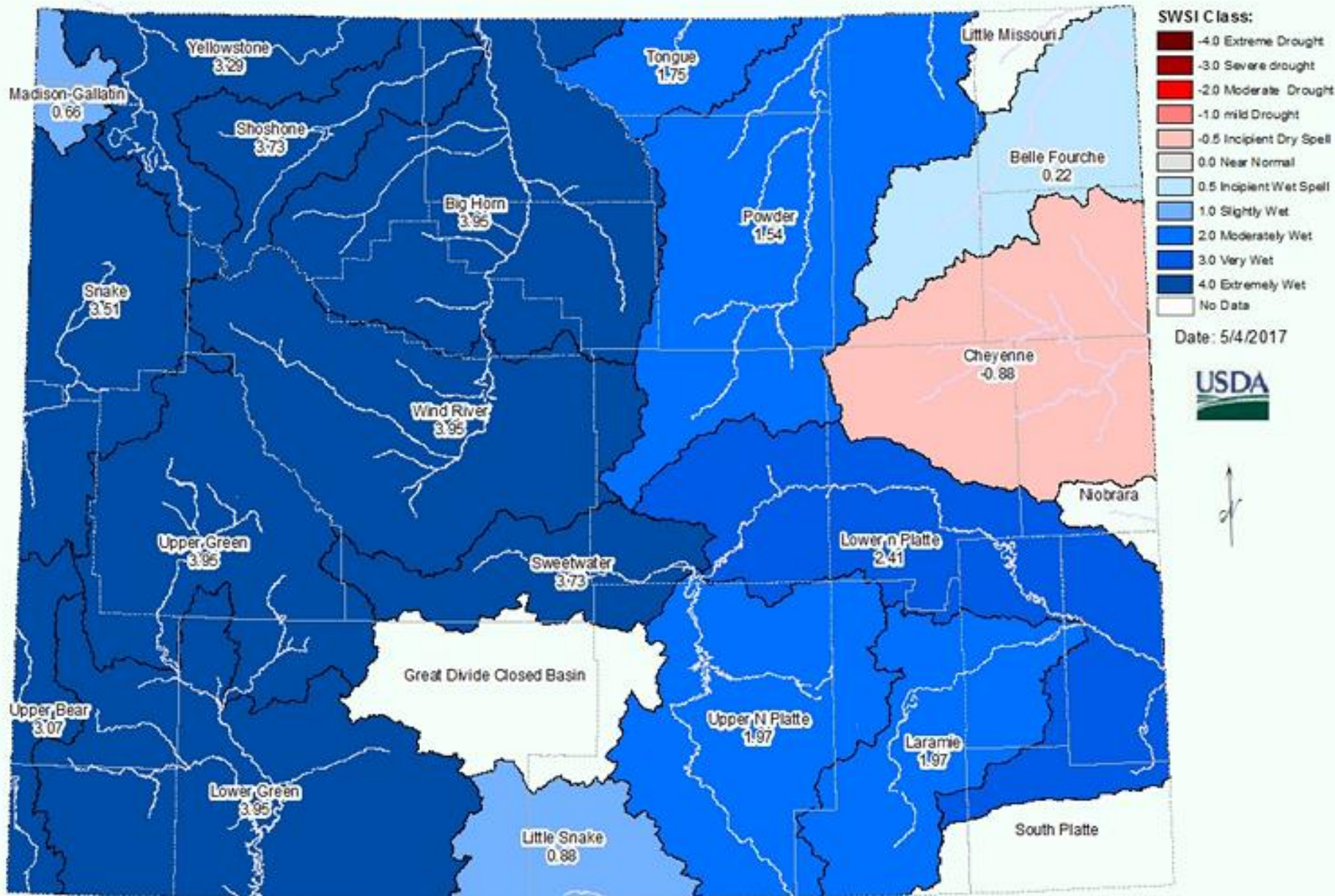
green = even

* data is suspect

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

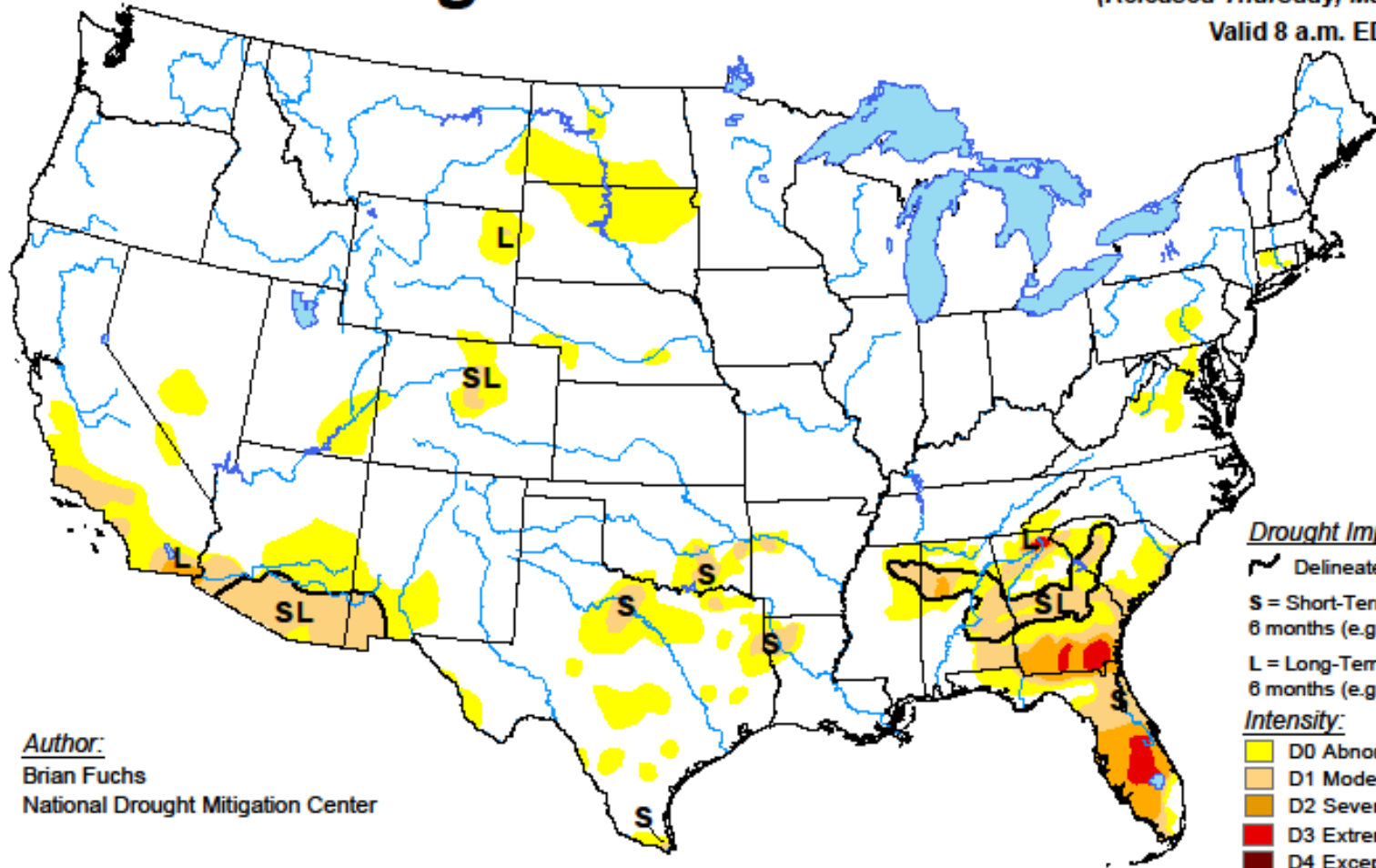


Wyoming SWSI



U.S. Drought Monitor

May 9, 2017
(Released Thursday, May. 11, 2017)
Valid 8 a.m. EDT



Author:
Brian Fuchs
National Drought Mitigation Center

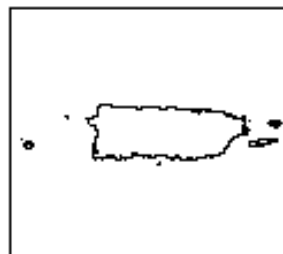
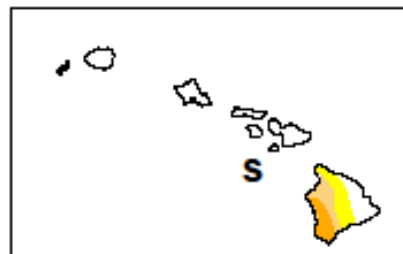
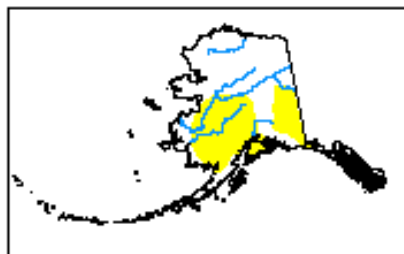
Drought Impact Types:

- 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.



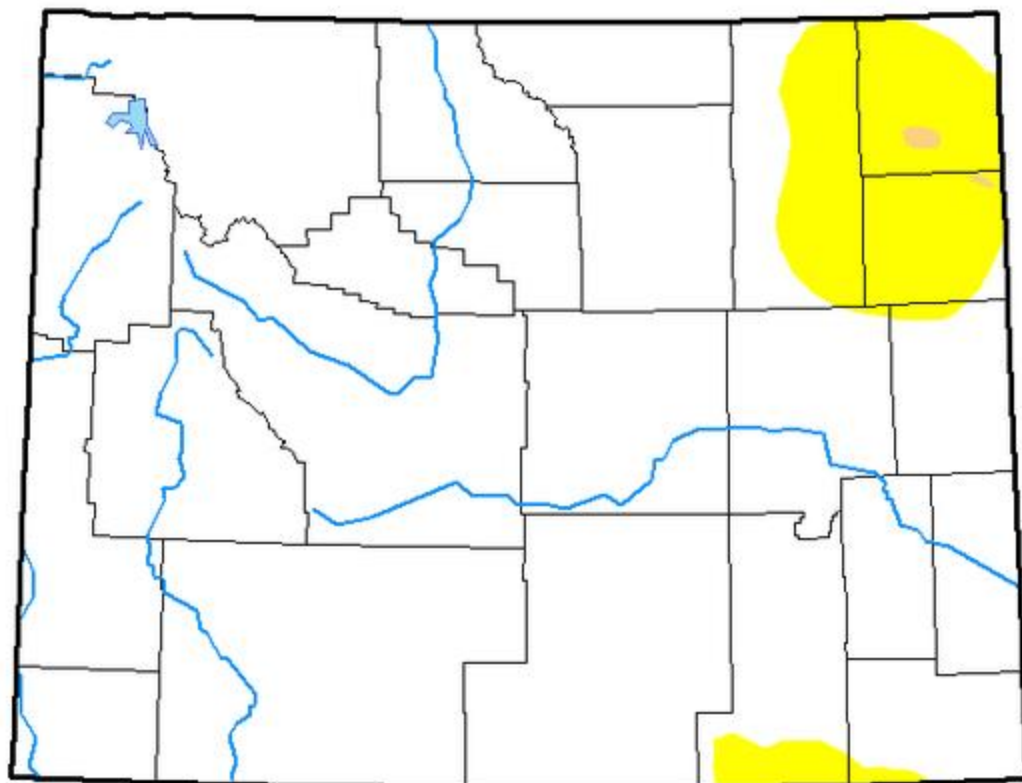
<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor Wyoming

May 9, 2017
(Released Thursday, May 11, 2017)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	91.21	8.79	0.12	0.00	0.00	0.00
Last Week <i>05-02-2017</i>	91.21	8.79	0.12	0.00	0.00	0.00
3 Months Ago <i>02-07-2017</i>	85.14	14.86	9.34	0.00	0.00	0.00
Start of Calendar Year <i>01-03-2017</i>	60.98	39.02	15.58	0.72	0.00	0.00
Start of Water Year <i>09-27-2016</i>	41.39	58.61	24.40	9.97	0.00	0.00
One Year Ago <i>05-10-2016</i>	81.36	18.64	5.86	1.73	0.00	0.00



Intensity:

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

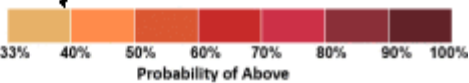
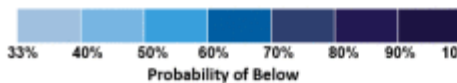
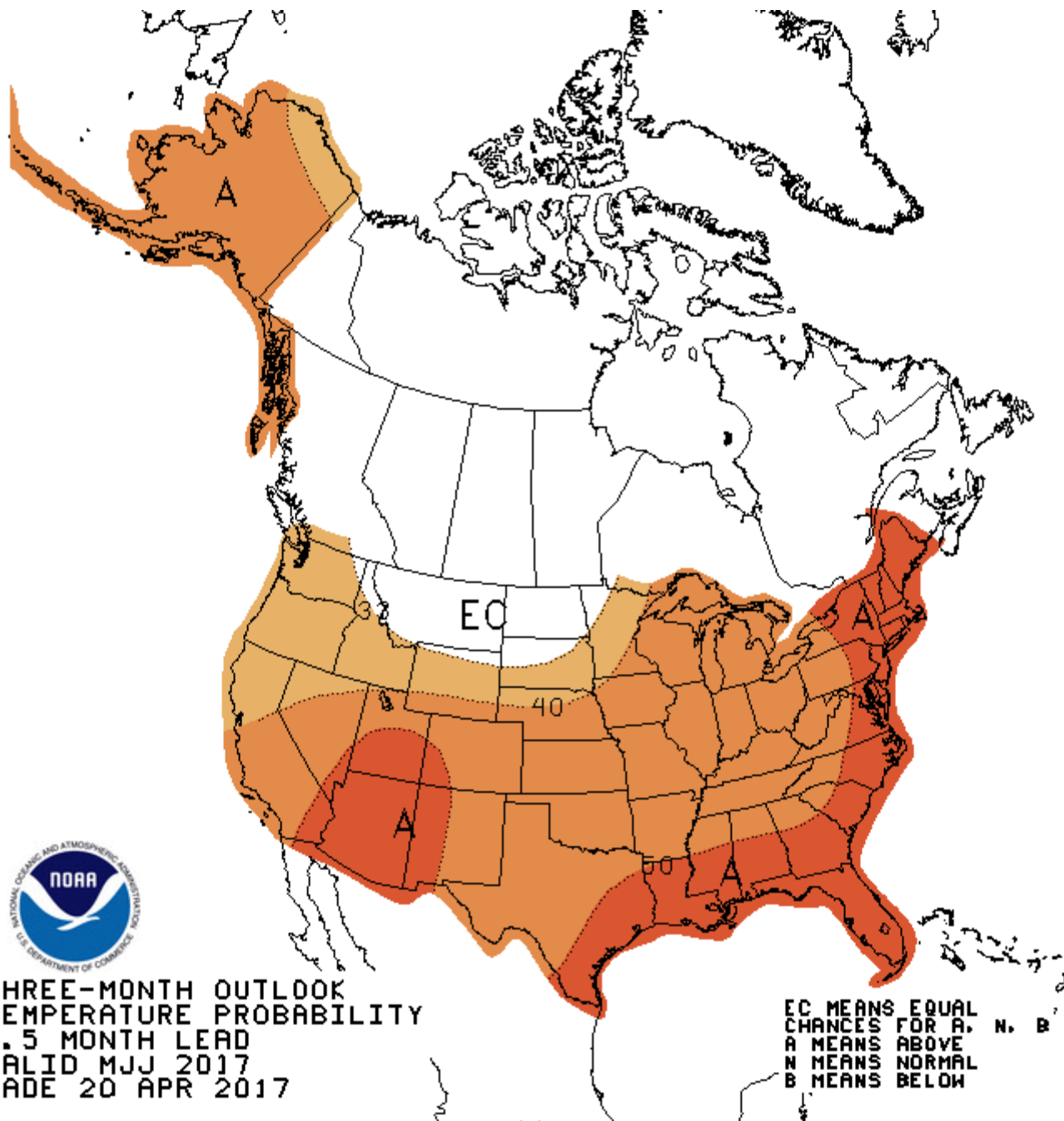
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

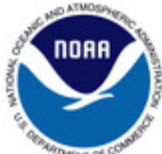
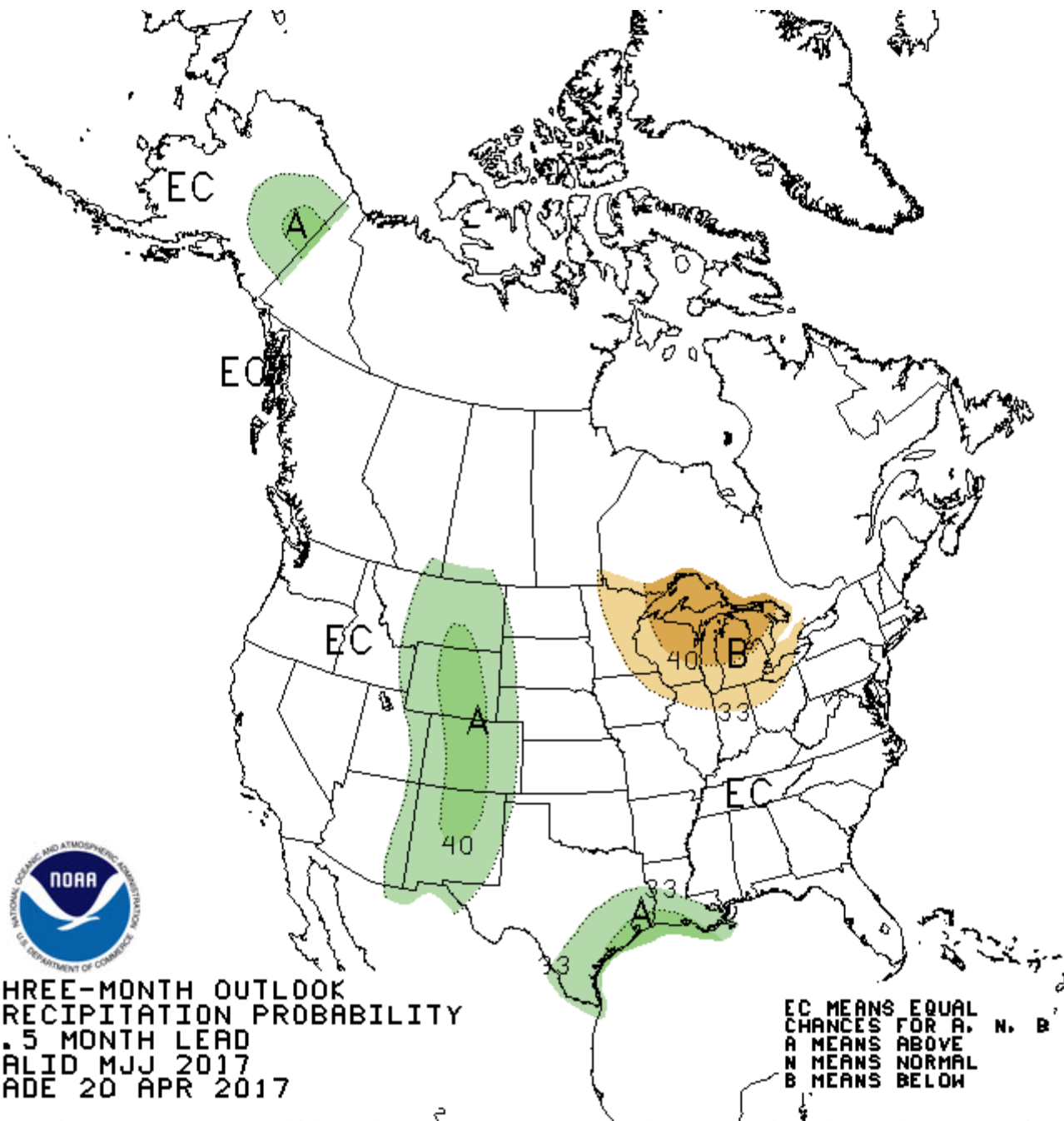
Author:

Brian Fuchs
National Drought Mitigation Center



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





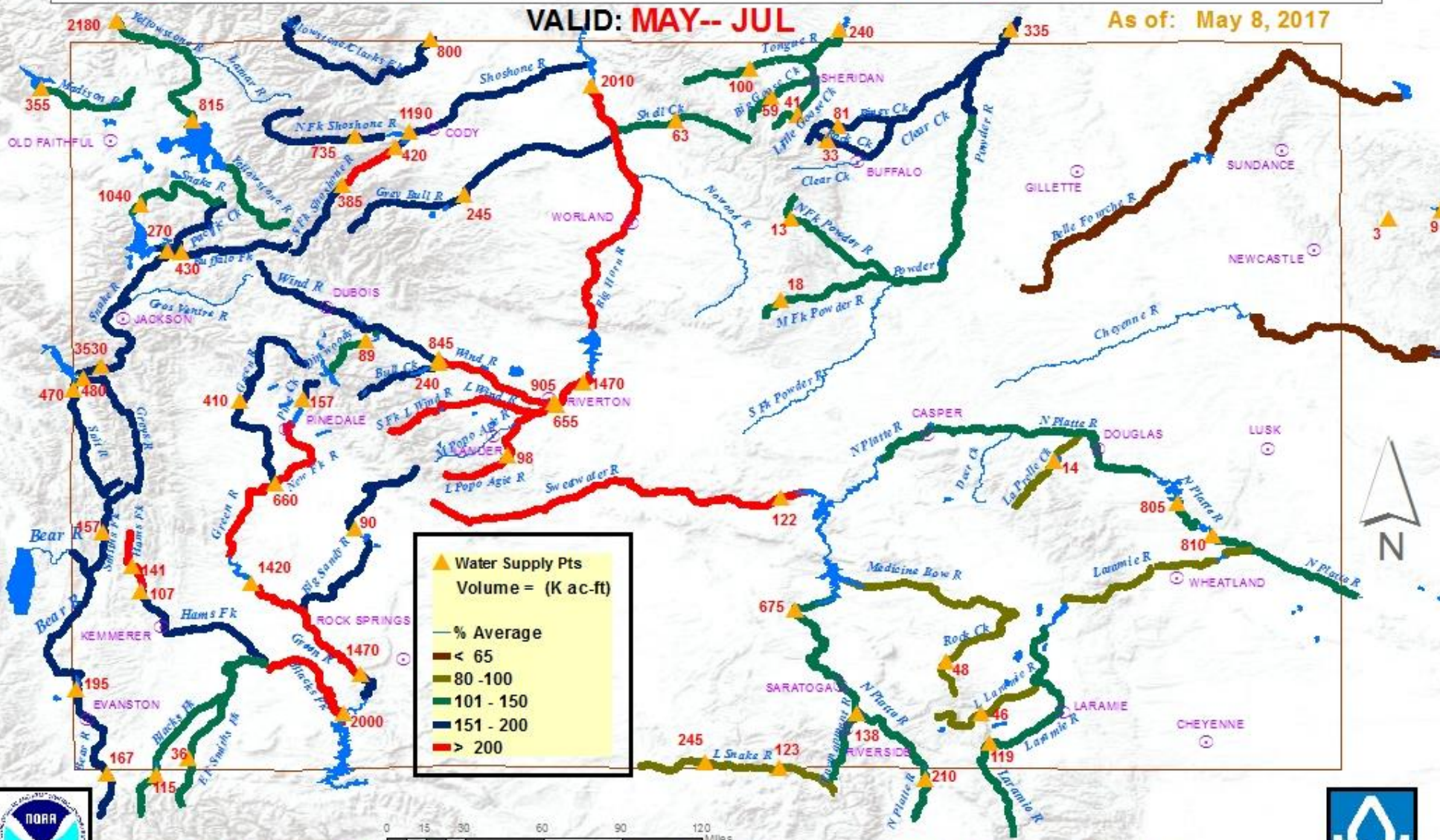
THREE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID MJJ 2017
 MADE 20 APR 2017



Wyoming Water Supply Outlook

VALID: MAY-- JUL

As of: May 8, 2017



Water Supply Volume Forecasts are taken from Wyoming NRCS's Basin Outlook Report

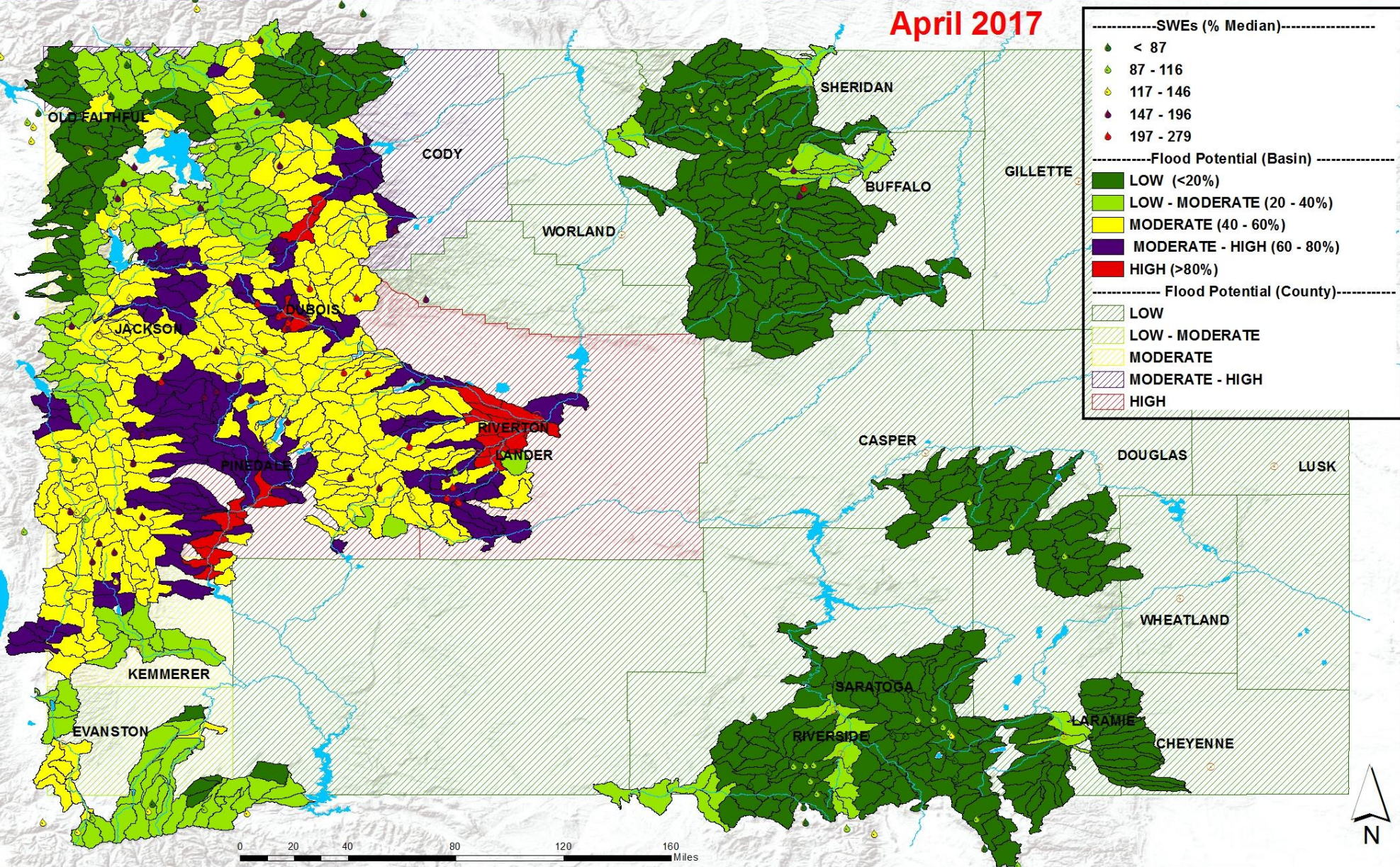
Note: Numbers in BOLD text next to Water Supply Points Refer to Volume Forecast in Thousands of Acre-feet (K ac-ft). 1 acre-foot of water covers 1 acre of land to a depth of 1 foot.

NOTE: ALL FORECAST VOLUMES REFLECT FULL NATURAL FLOW. ACTUAL OBSERVED FLOWS MAY BE AFFECTED BY UPSTREAM WATER MANAGEMENT.

Note: The next water supply outlook graphic will be issued around June 10, 2017.

Wyoming Spring Snowmelt Flood Potential Outlook

April 2017



-----SWEs (% Median)-----

- < 87
- 87 - 116
- 117 - 146
- 147 - 196
- 197 - 279

-----Flood Potential (Basin) -----

- LOW (<20%)
- LOW - MODERATE (20 - 40%)
- MODERATE (40 - 60%)
- MODERATE - HIGH (60 - 80%)
- HIGH (>80%)

----- Flood Potential (County)-----

- ▨ LOW
- ▨ LOW - MODERATE
- ▨ MODERATE
- ▨ MODERATE - HIGH
- ▨ HIGH

0 20 40 80 120 160 Miles



Note: This outlook is based on any Snow Water Equivalent (SWE) data available during preparation.
SWE data courtesy of NRCS

Note: A much HIGHER Flood Potential can occur at any location during periods of:
1) Higher than normal temperatures occurring during snowmelt.
2) Extended heavy rainfall occurring over a melting snowpack.



This will be the LAST graphical outlook for the 2017 season.

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