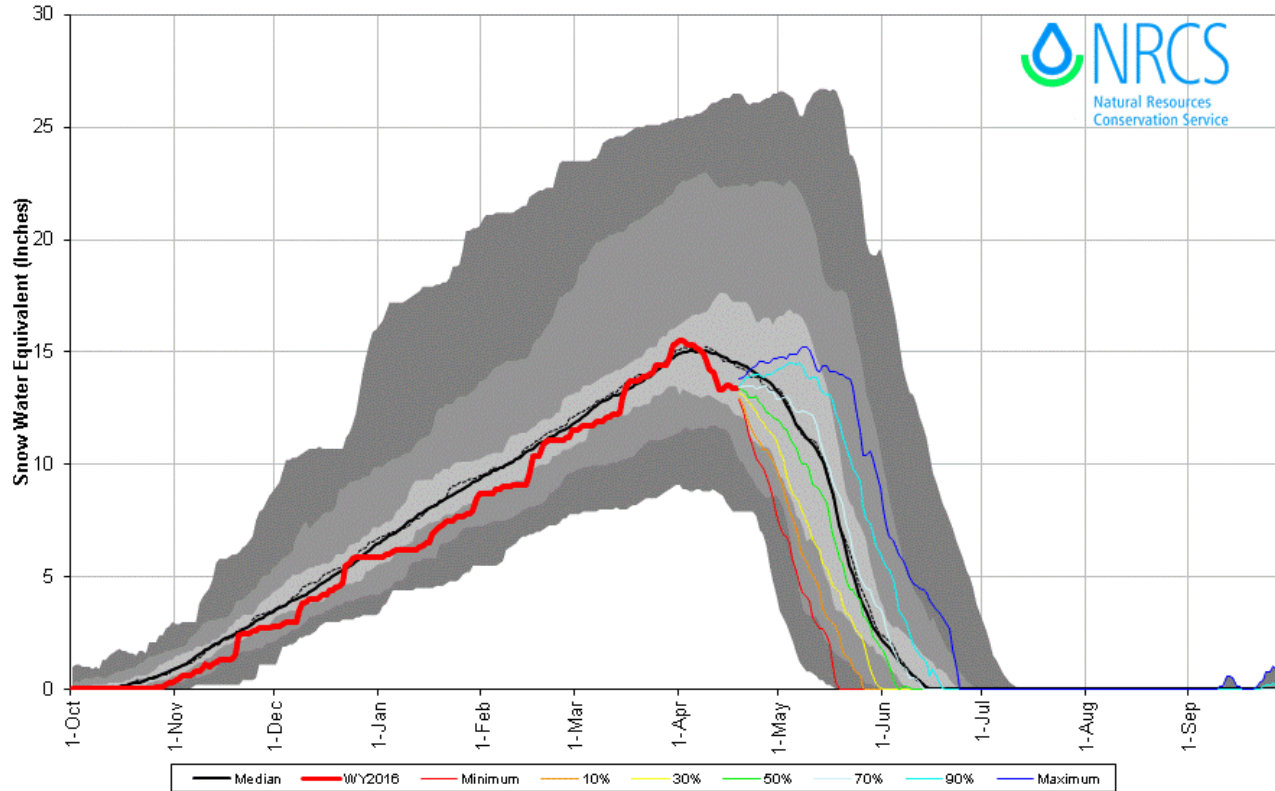


Upper Green River Basin (April 21st, 2016)

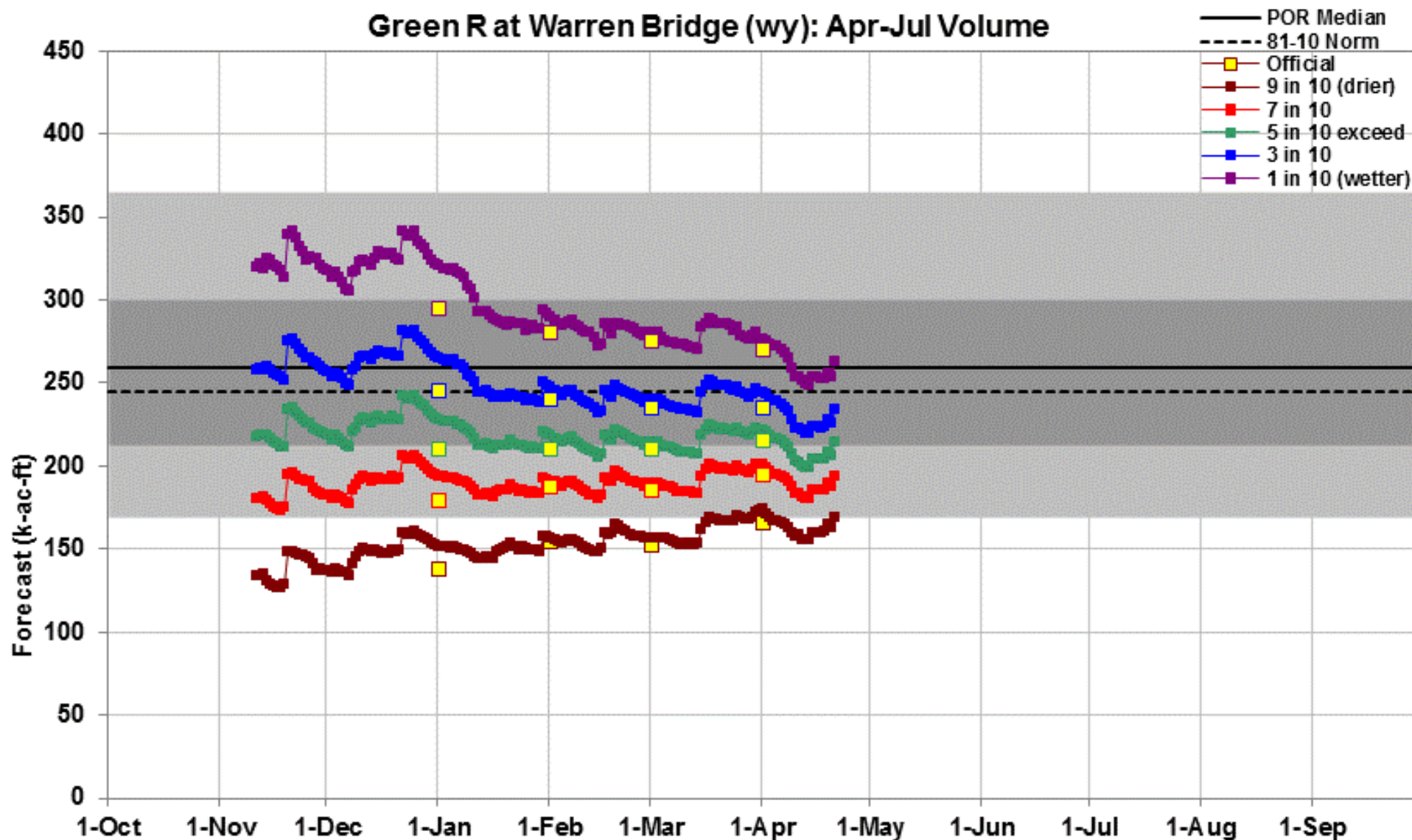
Upper Green with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Apr 18, 2016



- April 1 SNOTEL SWE varies from 75 to 122% of median
- April 1 SWE
 - @ 103% this year
 - @ 90% last year
 - Avg Peak–April 12th
 - 2016 Peak–April 1st
- April 1 Precipitation
 - @ 98% this year
 - @ 89% last year
- April 1st (Apr-Sep) forecast for the Fontenelle Reservoir Inflow
 - 90% 355,000 ac-ft
 - 50% 580,000 ac-ft
 - 10% 860,000 ac-ft

Forecast Point	PER	KAF	Avg
Green River at Warren Bridge	APR-JUL	215	88%
Pine Ck ab Fremont Lake	APR-JUL	85	87%
New Fork River nr Big Piney	APR-JUL	285	80%
Fontenelle Reservoir Inflow	APR-JUL	580	80%
Big Sandy River nr Farson	APR-JUL	40	77%

Green R at Warren Bridge (wy): Apr-Jul Volume

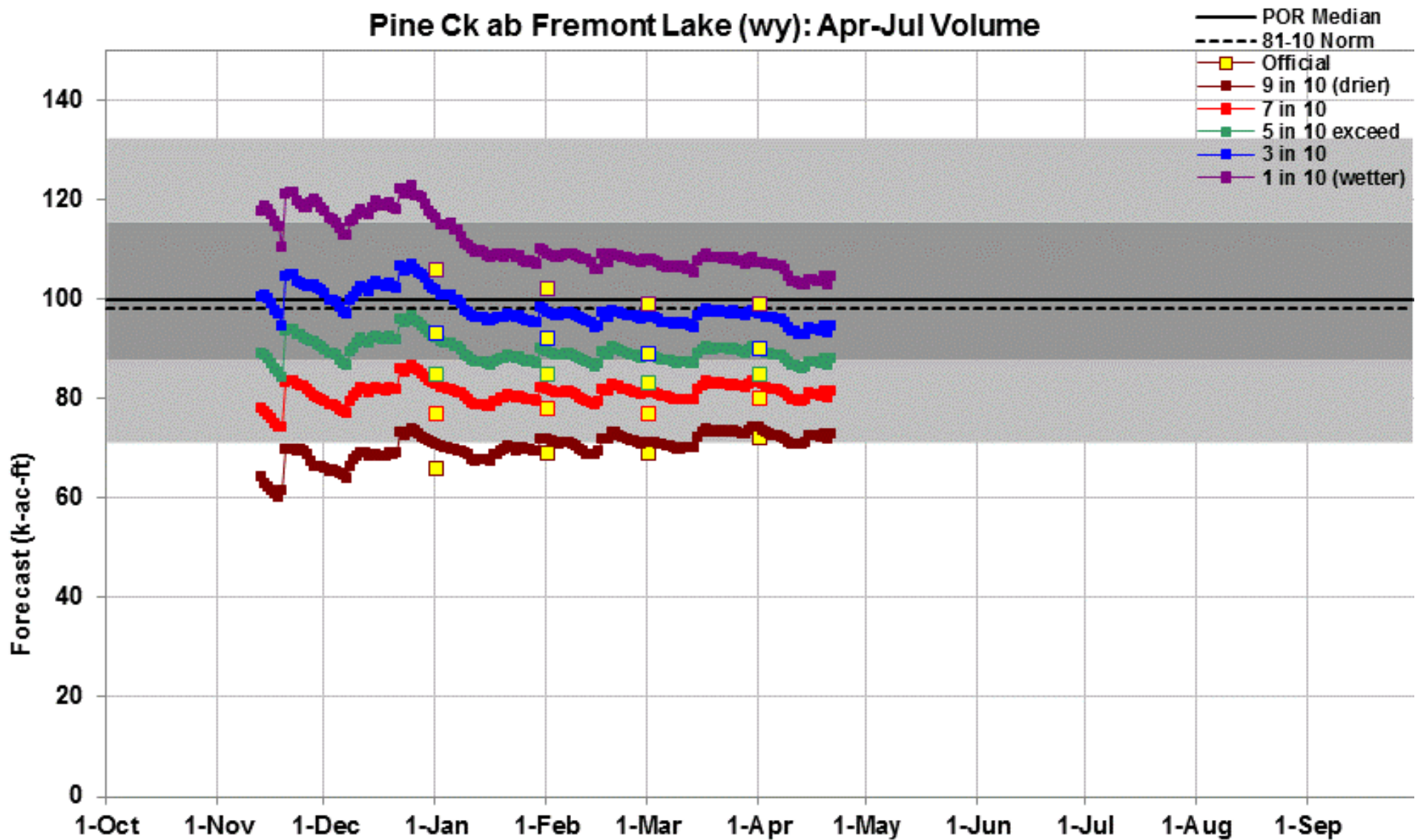


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record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

Created 7:08 Apr 21 2016



Pine Ck ab Fremont Lake (wy): Apr-Jul Volume

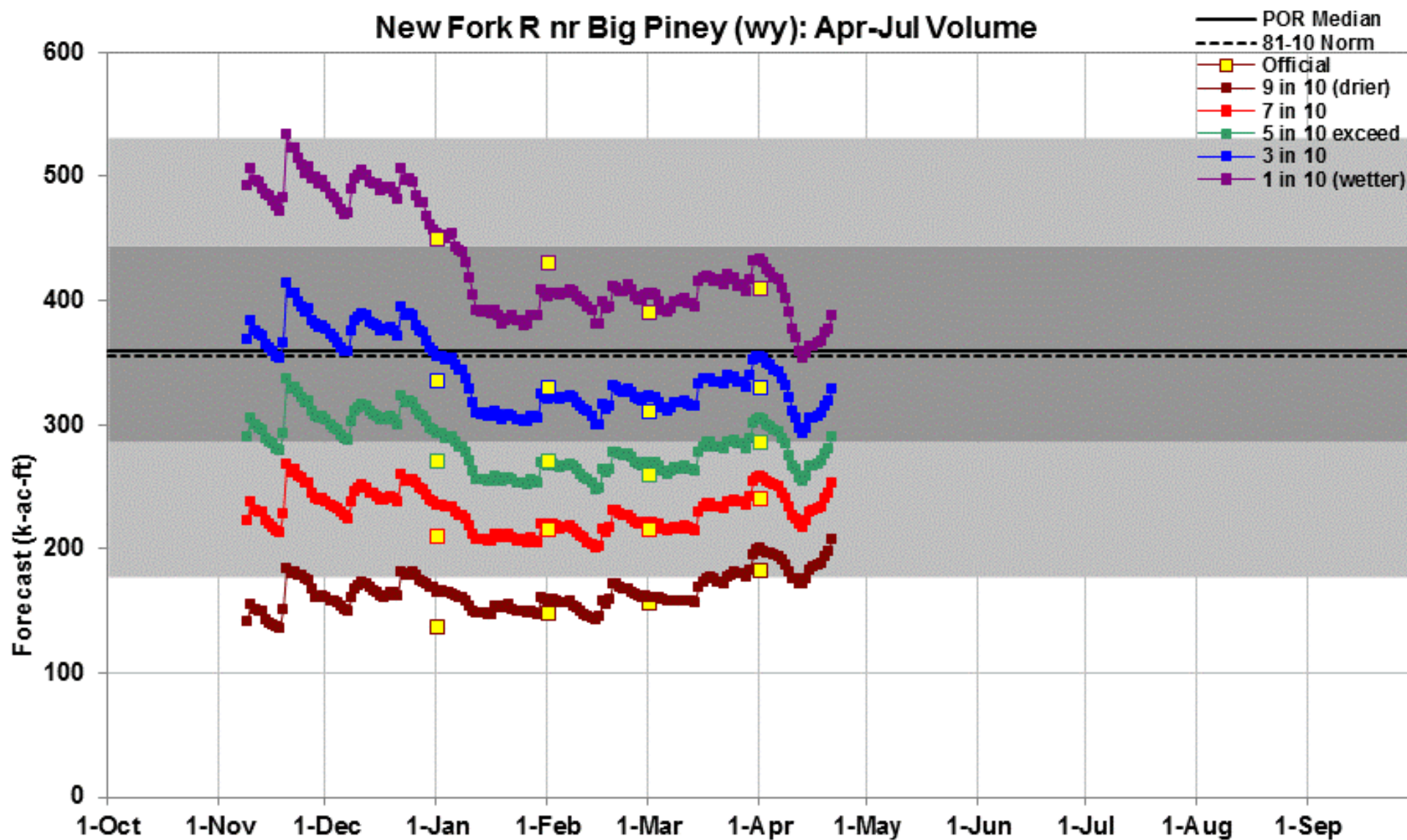


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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 7:09 Apr 21 2016



New Fork R nr Big Piney (wy): Apr-Jul Volume

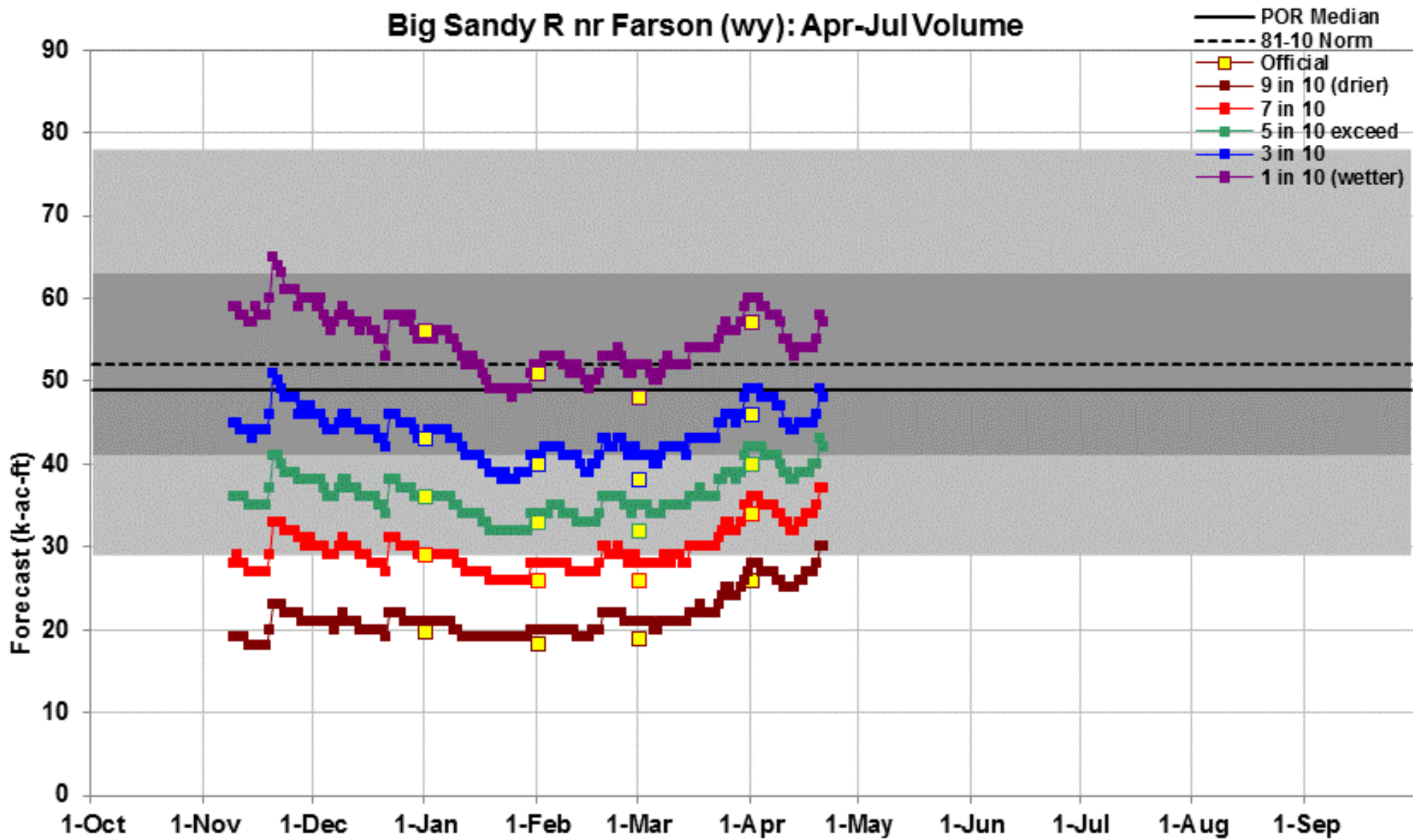


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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 7:09 Apr 21 2016



Big Sandy R nr Farson (wy): Apr-Jul Volume

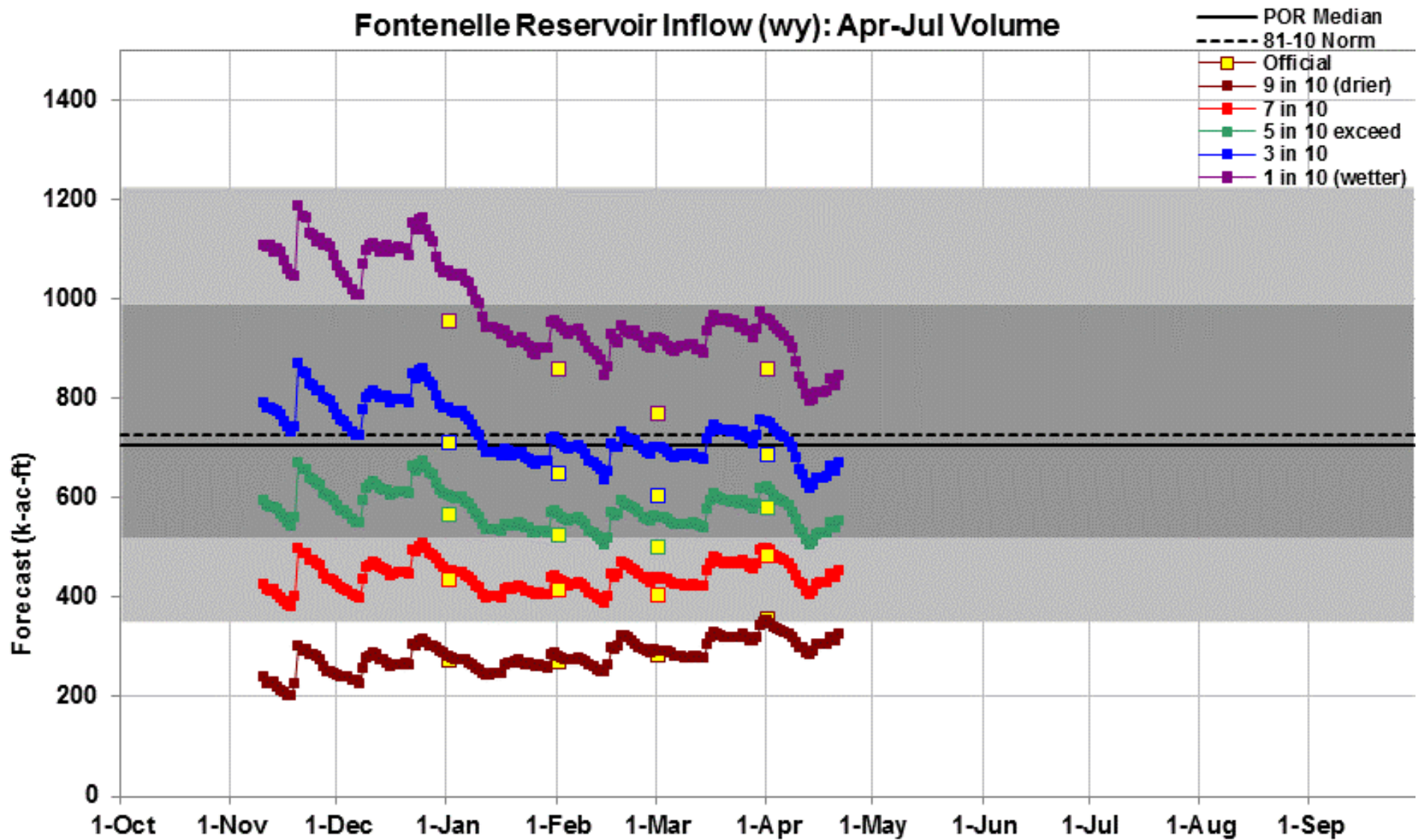


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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/ws/daily_forecasts.html

Created 7:10 Apr 21 2016



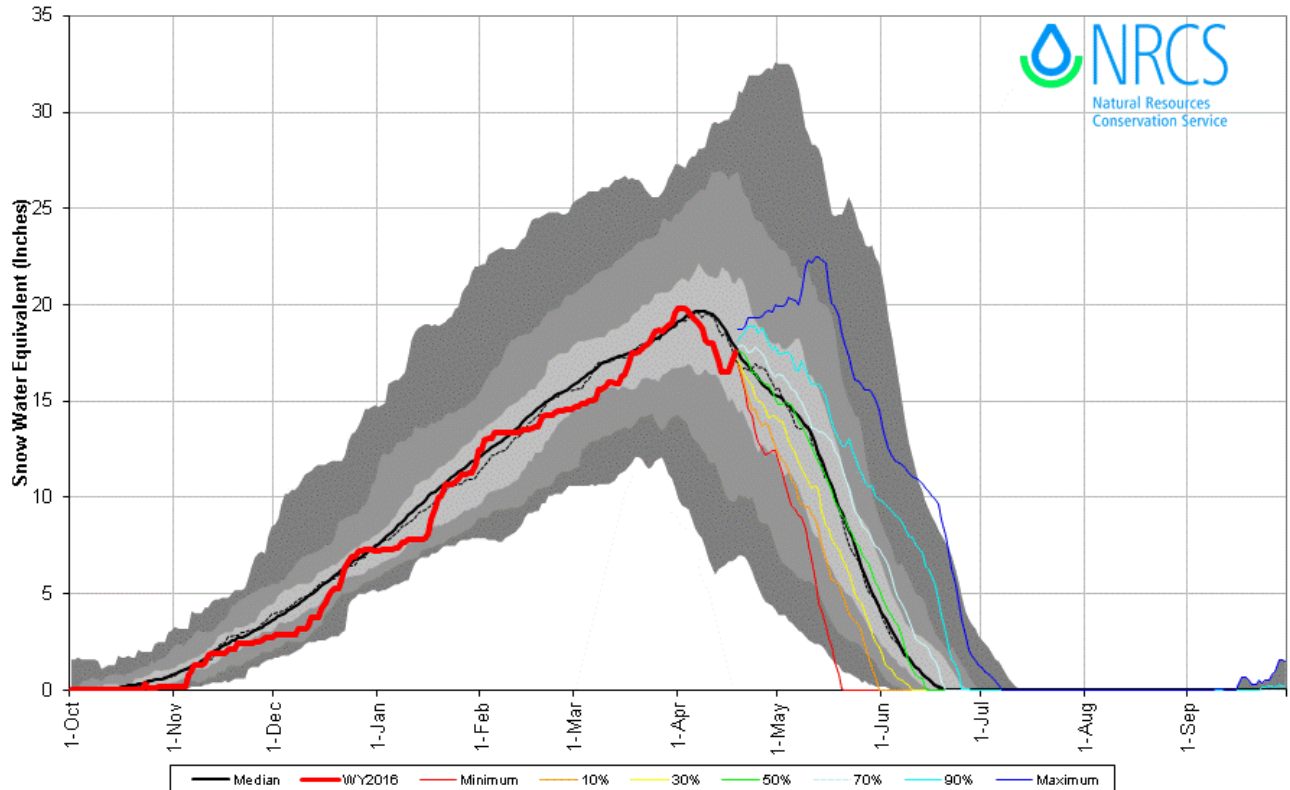
Fontenelle Reservoir Inflow (wy): Apr-Jul Volume



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/ws/daily_forecasts.html

Lower Green River Basin (April 21st, 2016)

Little Snake with Non-Exceedence Projections
Based on Provisional SNOTEL Data as of Apr 18, 2016



- Current SNOTEL SWE varies from 0 to 72% of median

- Median SWE to date
 - @ 59% last year
 - @ 111% this year
 - Avg Peak - April 11th
 - 2016 Peak–April 1st

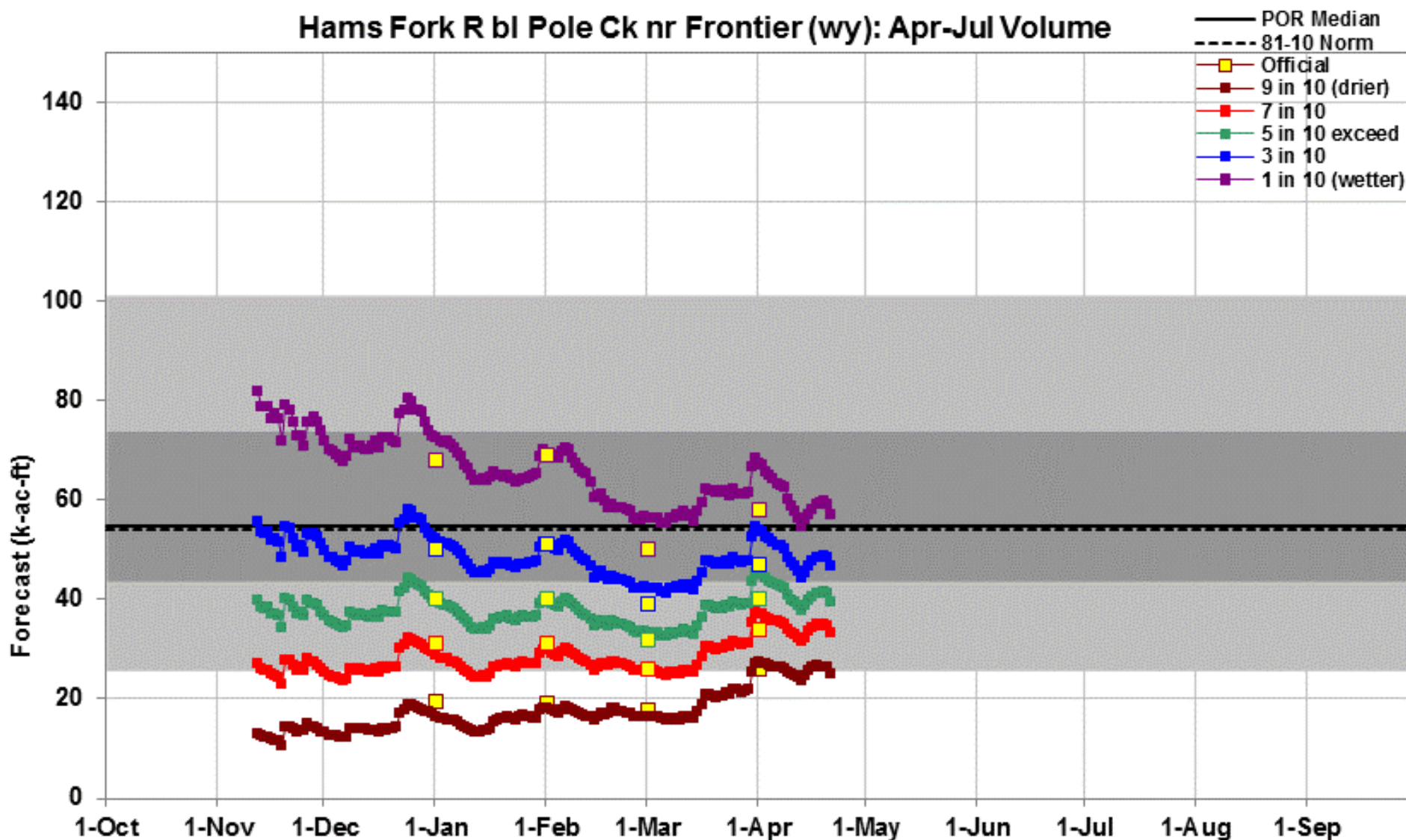
- Precipitation to date
 - @ 73% last year
 - @ 104% this year

- April 1st (Apr-Sep) streamflow forecast for the Flaming Gorge Reservoir Inflow

- 90% 495,000 ac-ft
- 50% 830,000 ac-ft
- 10% 1,250,000 ac-ft

Forecast Point	PER	KAF	Avg
Green R nr Green River, WY	APR-JUL	590	81%
Blacks Fork nr Robertson	APR-JUL	85	96%
EF Smiths Fk nr Robertson	APR-JUL	26	96%
Hams Fk bl Pole Ck nr Frontier	APR-JUL	40	74%
Viva Naughton Reservoir Inflow	APR-JUL	53	72%
Flaming Gorge Reservoir Inflow	APR-JUL	830	85%

Hams Fork R bl Pole Ck nr Frontier (wy): Apr-Jul Volume

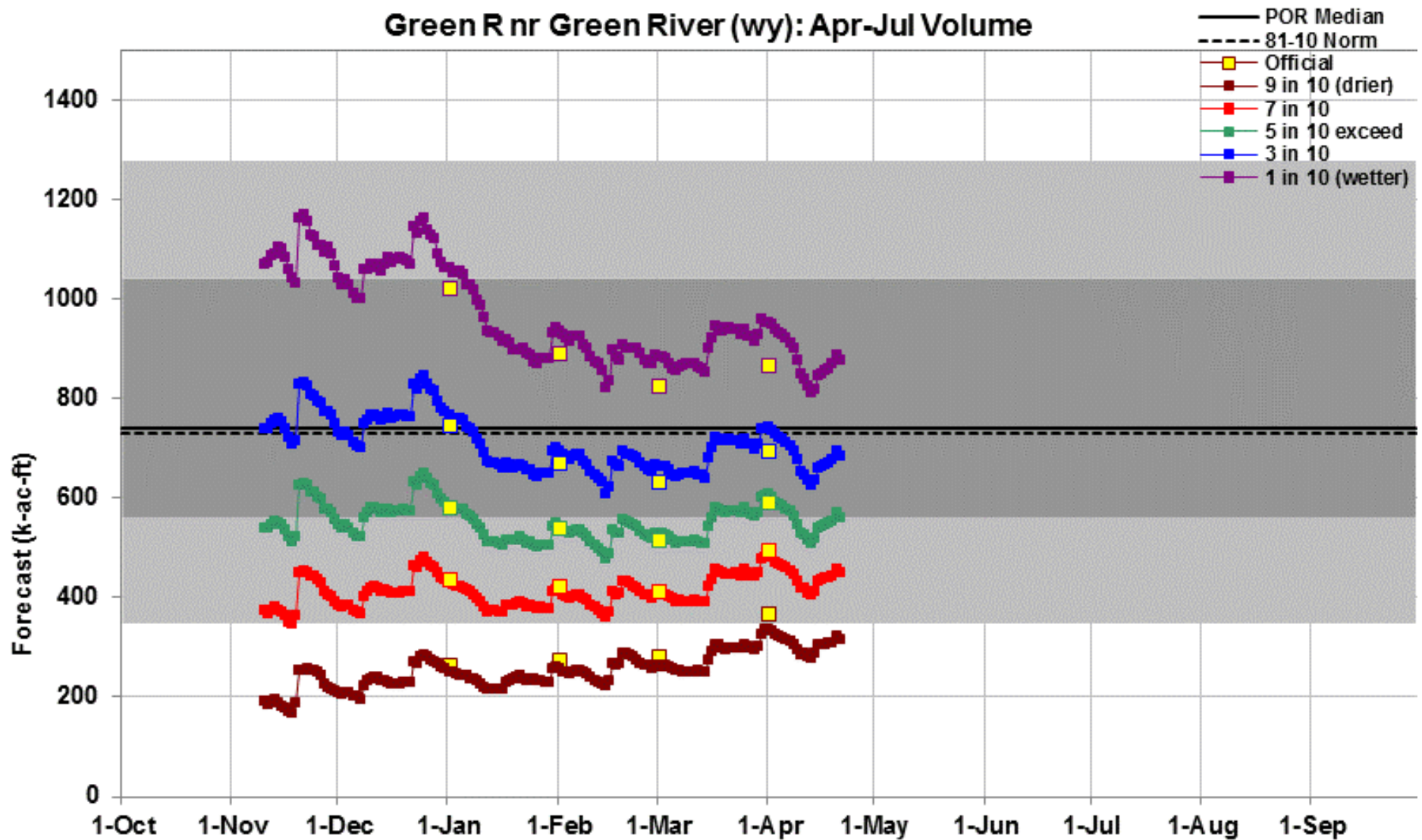


This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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/ws/daily_forecasts.html

Created 7:11 Apr 21 2016



Green R nr Green River (wy): Apr-Jul Volume

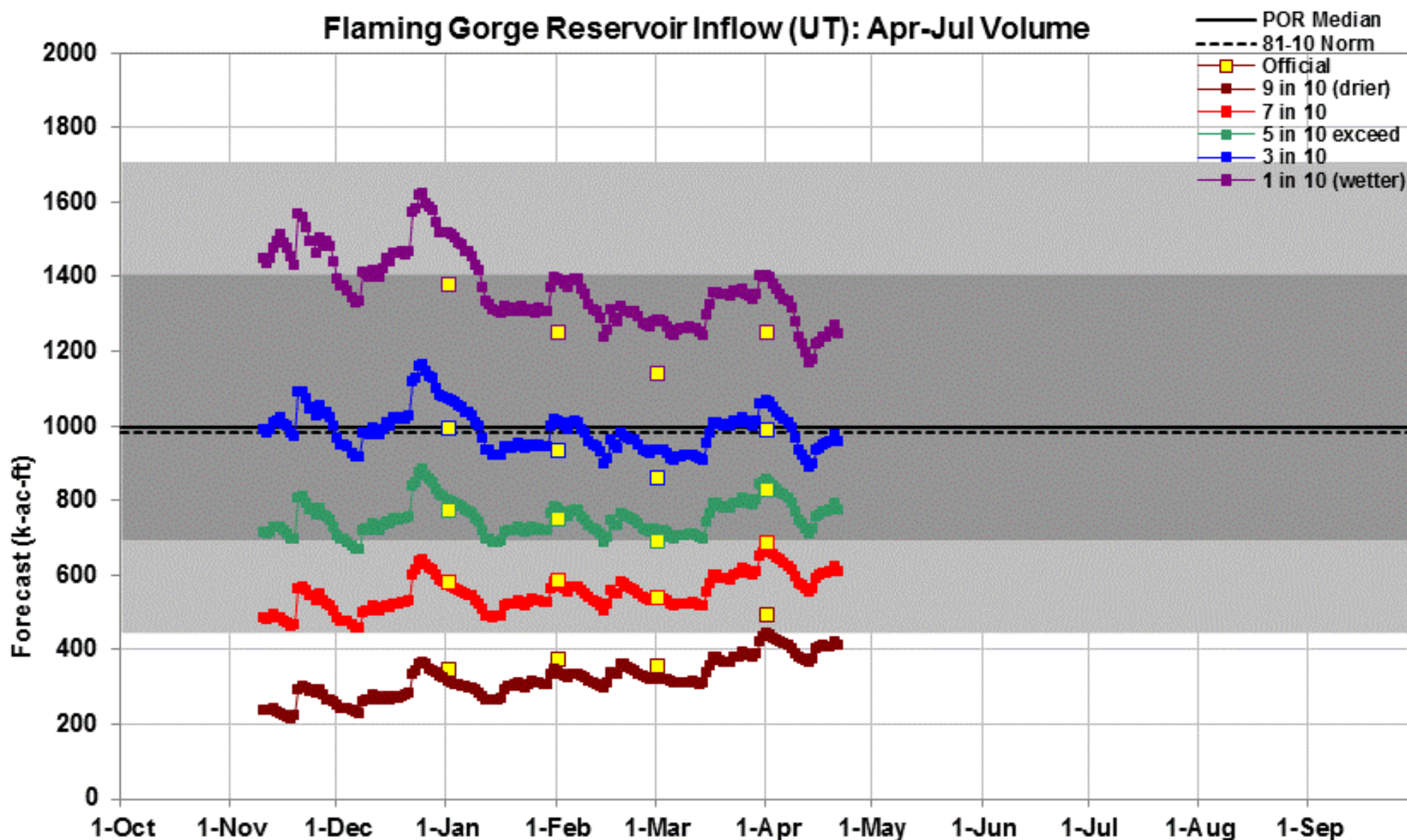


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Created 7:10 Apr 21 2016



Flaming Gorge Reservoir Inflow (UT): Apr-Jul Volume



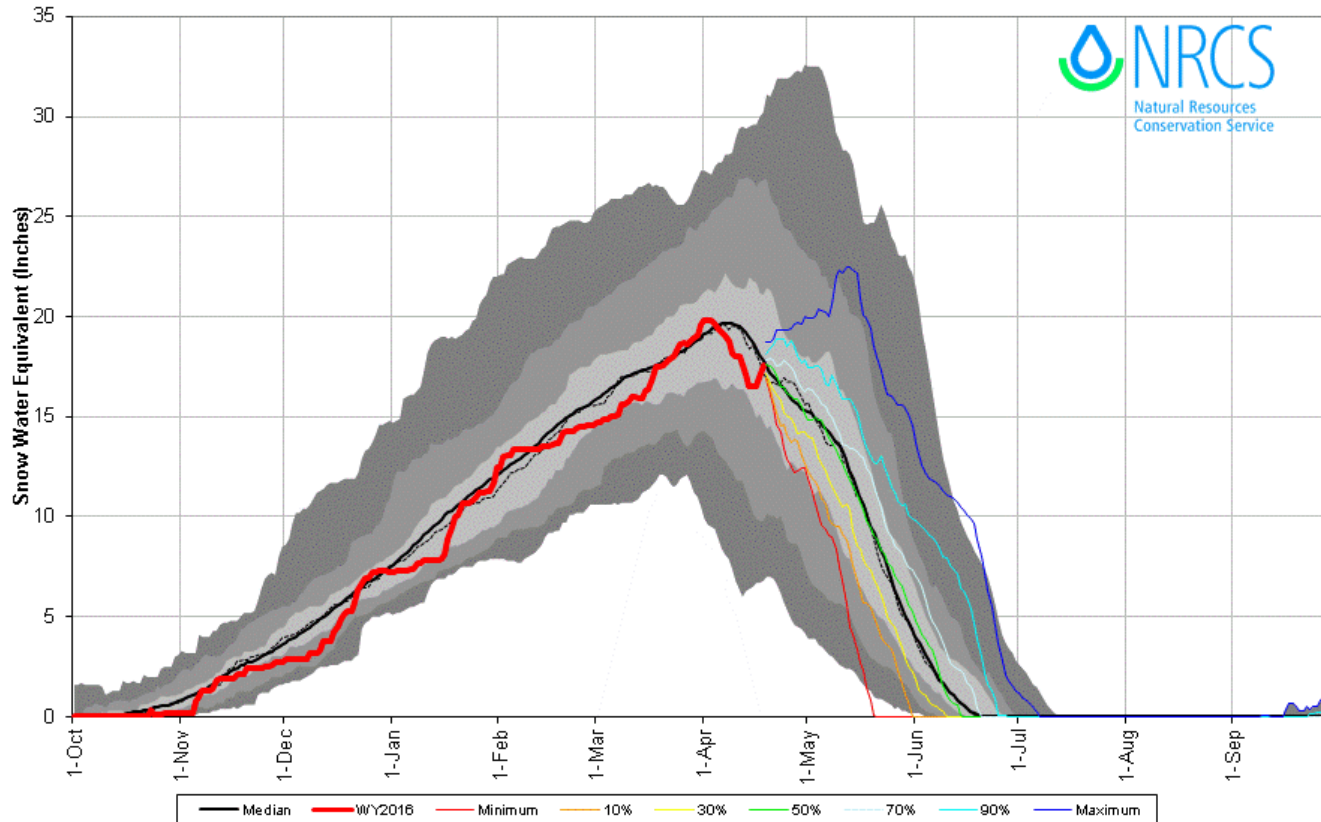
This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record 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/ws/daily_forecasts.html

Created 7:12 Apr 21 2016



Little Snake River Basin (April 21st, 2016)

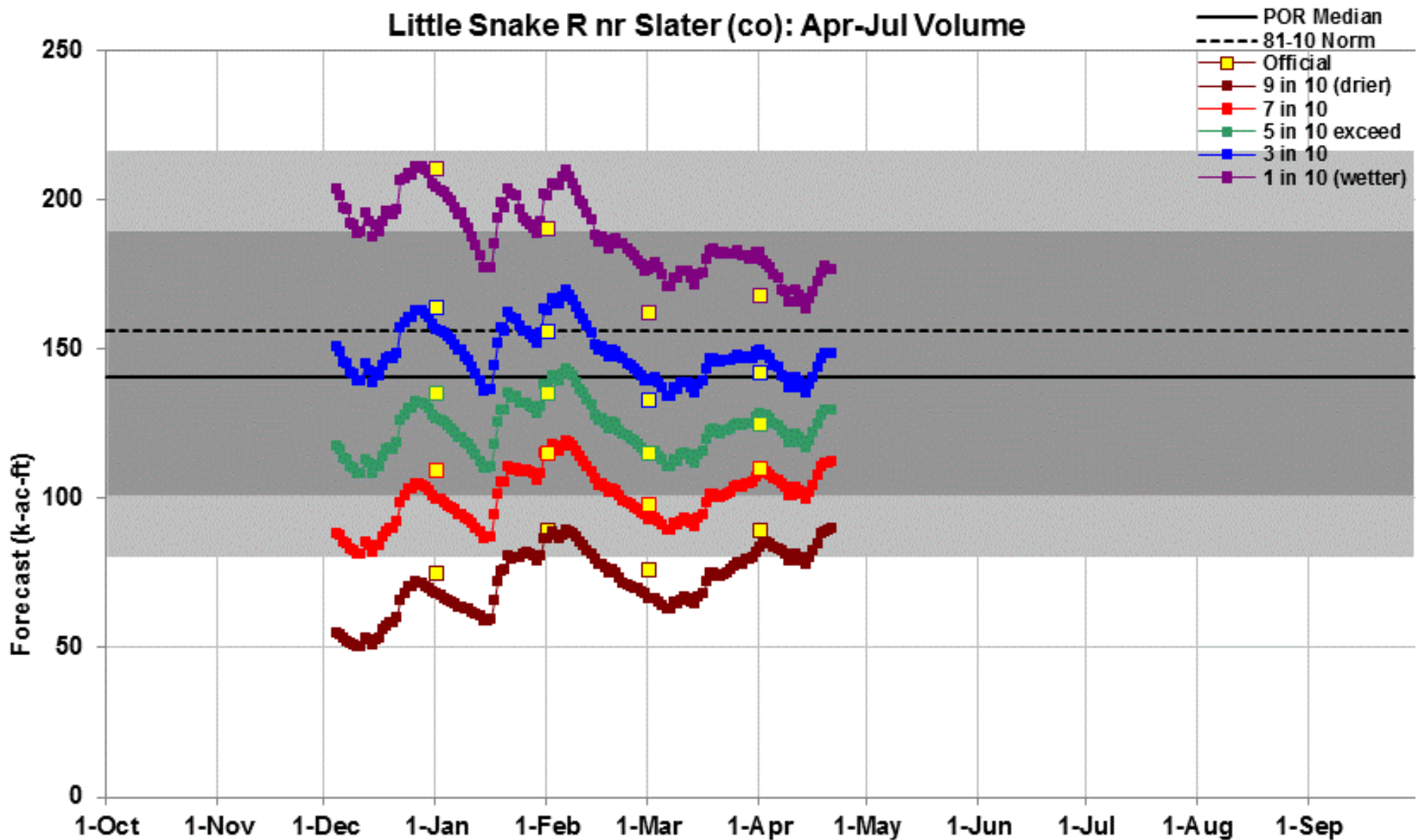
Little Snake with Non-Exceedence Projections
 Based on Provisional SNOTEL Data as of April 18, 2016



- Current SNOTEL SWE varies from 86 to 126% of median
- Median SWE to date
 - @ 102% this year
 - @ 54% last year
 - Avg Peak-April 18th
 - 2015 peak-April 1st
- Precipitation to date
 - @ 94% this year
 - @ 70% last year

Forecast Point	PER	KAF	Avg
-----	-----	---	---
Little Snake nr Slater	APR-JUL	125	80%
Little Snake nr Dixon	APR-JUL	260	75%

Little Snake R nr Slater (co): Apr-Jul Volume



Created 7:13 Apr 21 2016



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

Wyoming – NRCS

Report #24

Monday Morning Snow Report

Apr. 18th, 2016

Good morning, everyone this is the 24th Monday Snow Report for the 2015-2016 snow season. Last year on this date the state median was 64% with a low of 0% and a high of 115%. This year the state median is 84% with a low of 6% and a high of 162% 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	4/21/2016	4/18/2016	4/11/2016	4/18/2015	4/18/2014	4/18/2013
SNAKE RIVER	87	91	93	81	143	98
MADISON	75	81	86	60	116	95
YELLOWSTONE	83	83	88	82	153	97
WIND RIVER	102	93	95	76	127	88
BIGHORN BASIN	87	77	80	82	158	101
SHOSHONE RIVER	79	78	96	74	149	93
POWDER	80	73	81	77	167	109
TONGUE	83	67	66	86	153	90
BELLE FOURCHE	6	12	35	0	312	167
CHEYENNE	0	6	14	0	171	131
UPPER N. PLATTE	105	101	97	63	128	92
SWEETWATER	93	85	88	53	107	69
LOWER N. PLATTE	118	114	108	55	134	88
LARAMIE	126	123	108	84	148	99
S. PLATTE	168	162	126	115	178	123
LITTLE SNAKE RIVER	103	99	92	46	126	89
UPPER GREEN	90	92	95	86	160	90
LOWER GREEN	107	103	98	64	131	110
UPPER BEAR	85	85	84	47	113	90
Weighted State Average	88	84	85	64	152	102

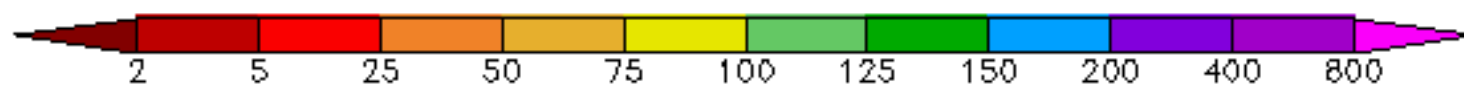
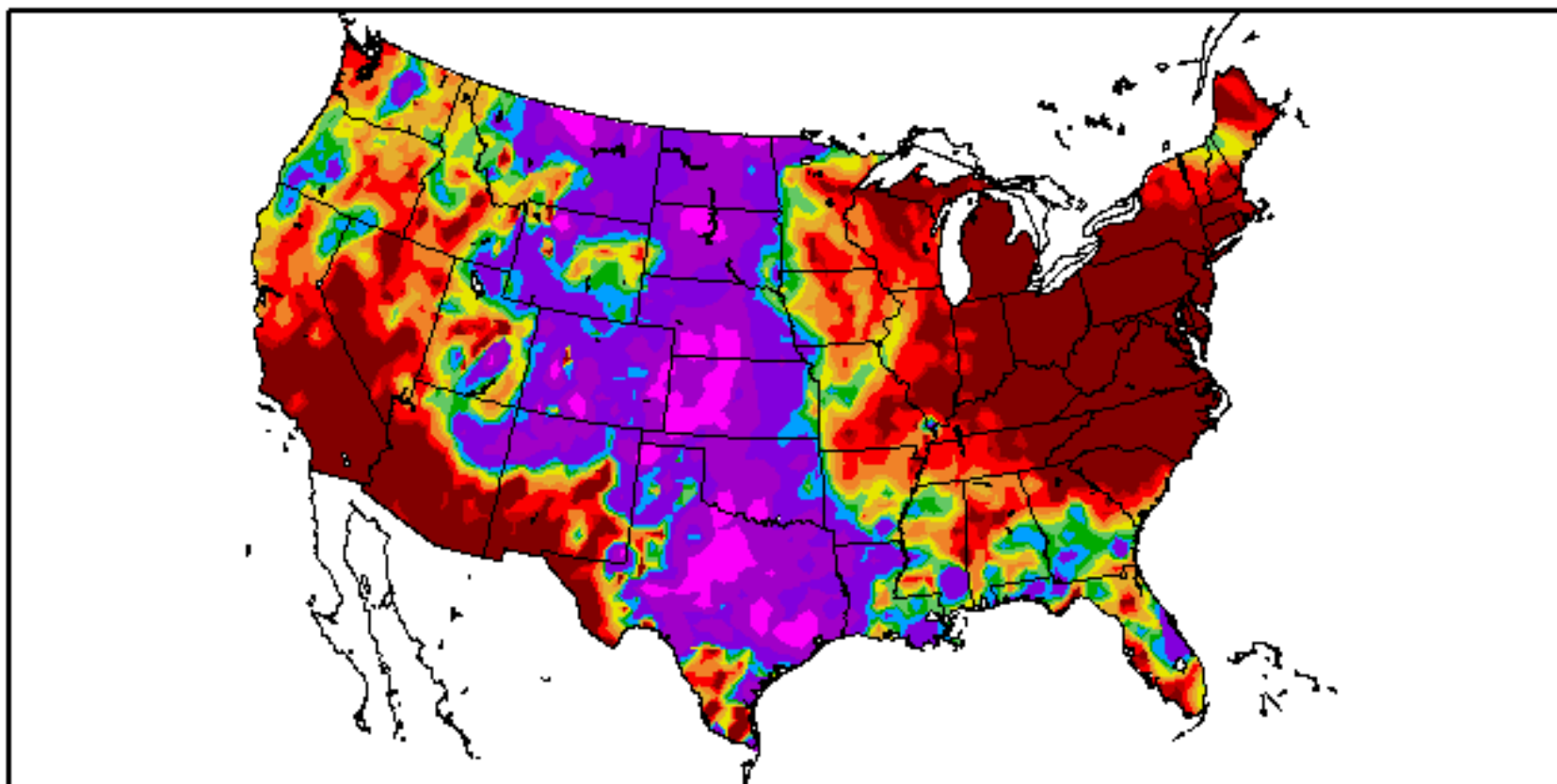
Red = down

blue = up

green = even

* data is suspect

Percent of Normal Precipitation (%)
4/14/2016 - 4/20/2016

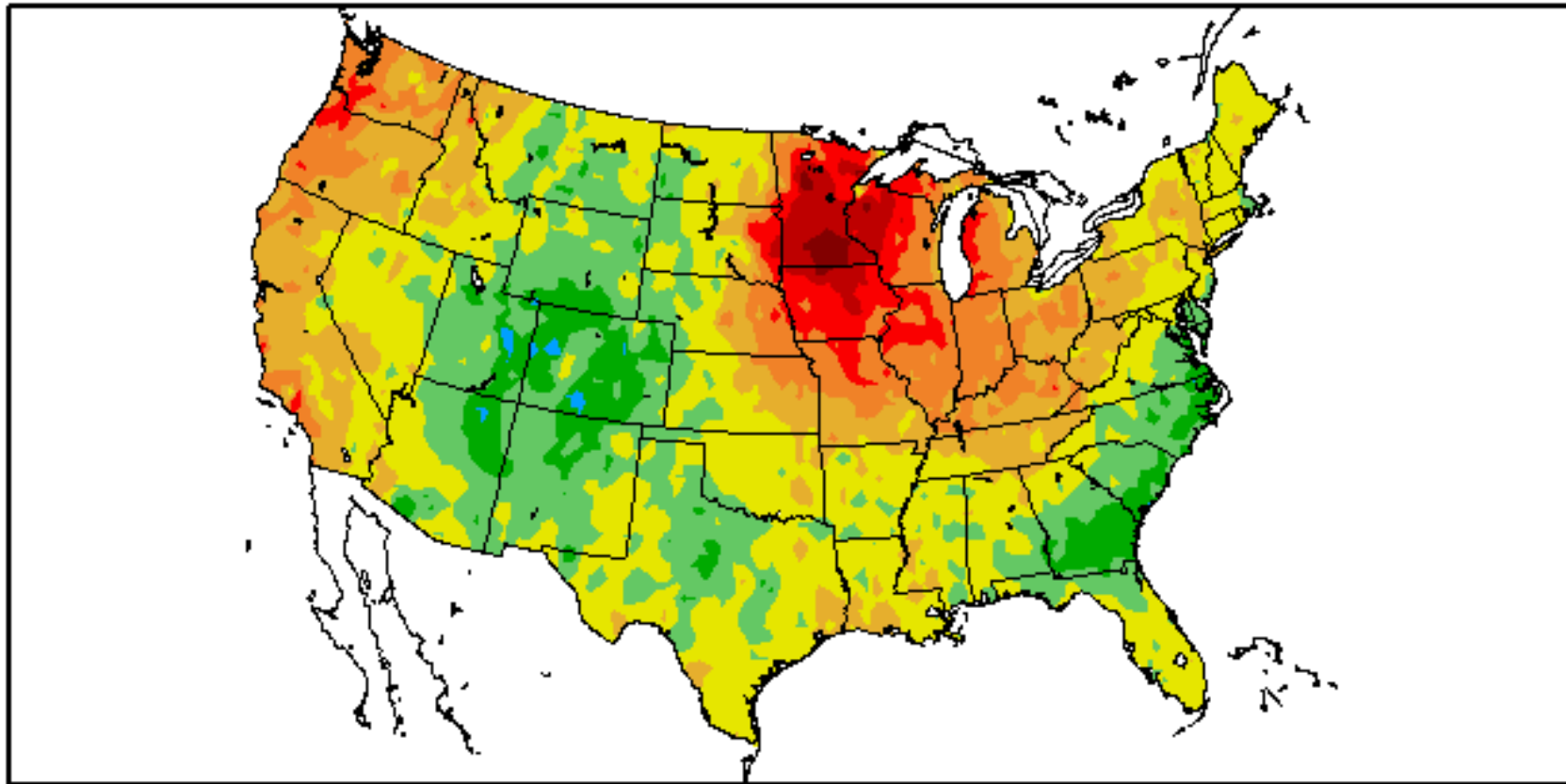


Generated 4/21/2016 at HPRCC using provisional data.

Regional Climate Centers

Departure from Normal Temperature (F)

4/14/2016 – 4/20/2016



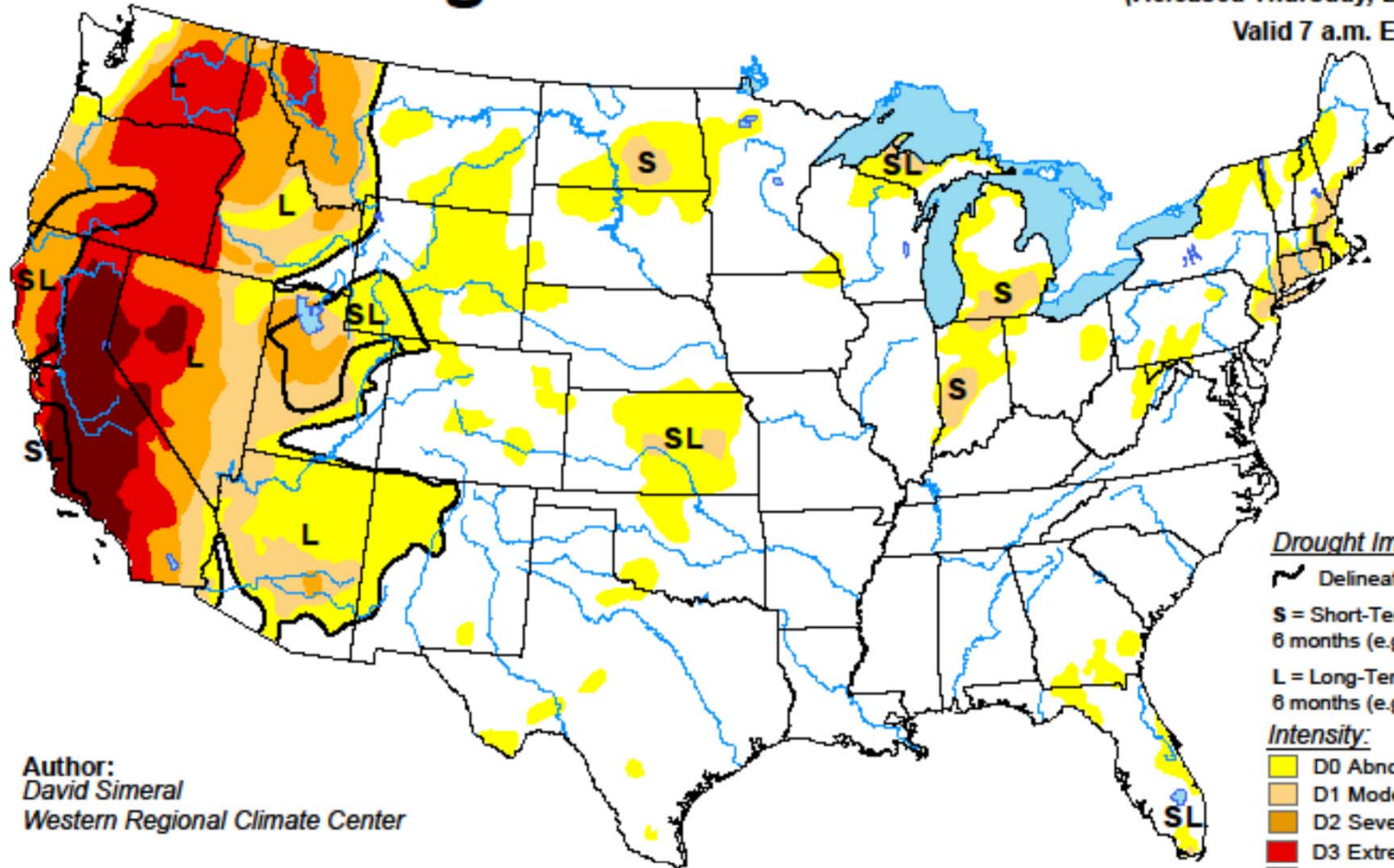
Generated 4/21/2016 at HPRCC using provisional data.

Regional Climate Centers

U.S. Drought Monitor

December 1, 2015
(Released Thursday, Dec. 3, 2015)

Valid 7 a.m. EST



Author:
David Simeral
Western Regional Climate Center

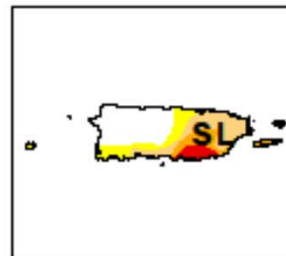
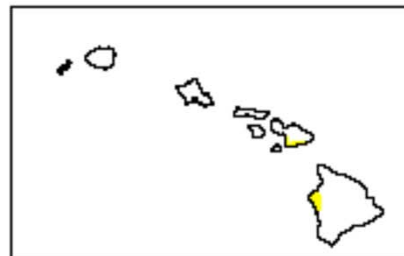
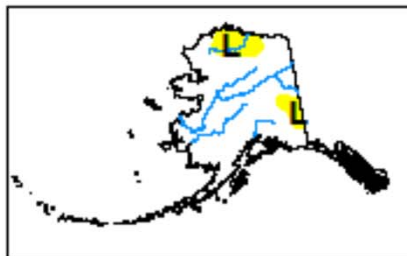
Drought Impact Types:

- 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.

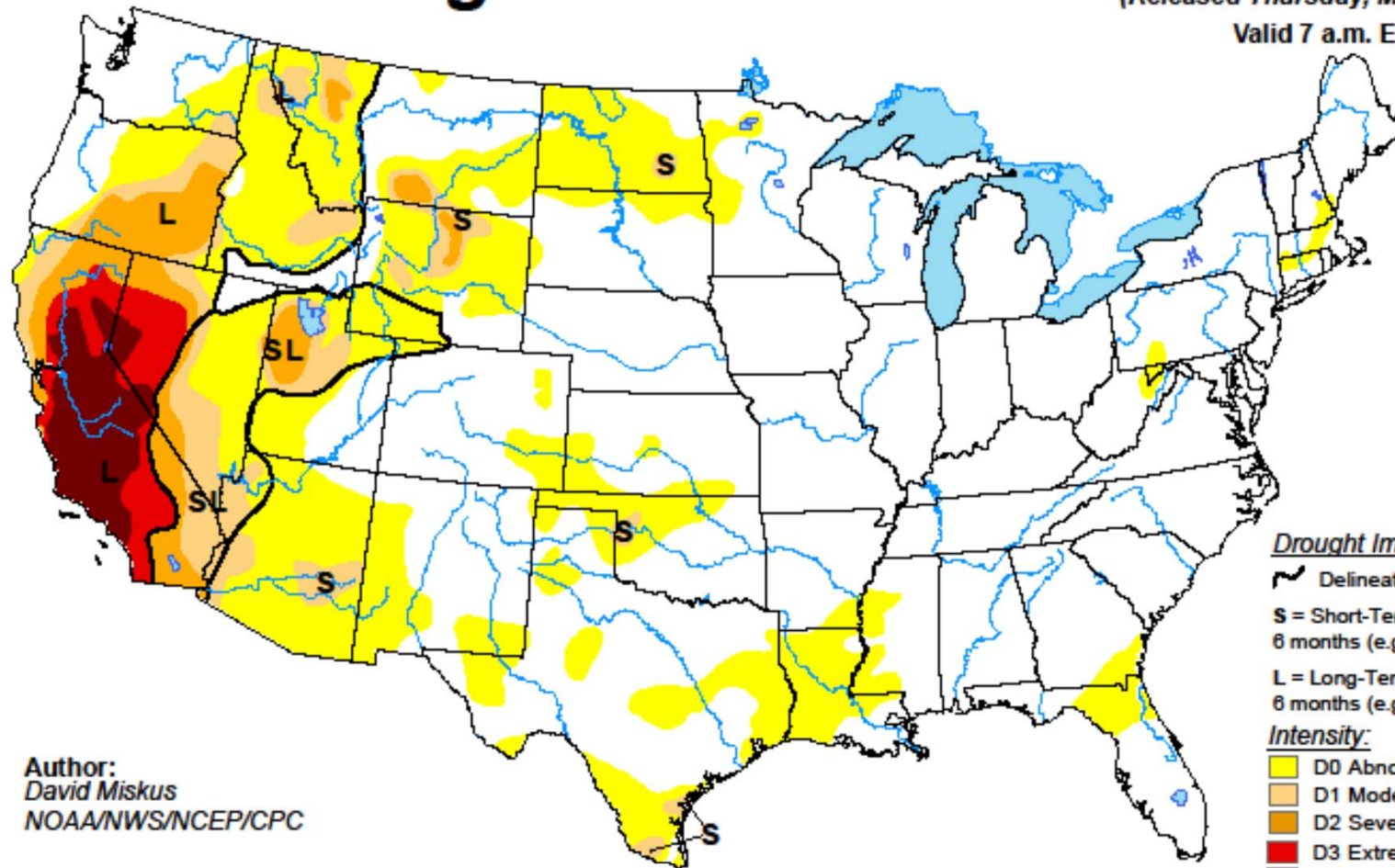


<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

March 8, 2016
 (Released Thursday, Mar. 10, 2016)

Valid 7 a.m. EST



Drought Impact Types:

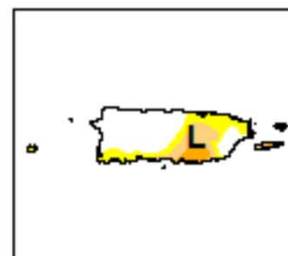
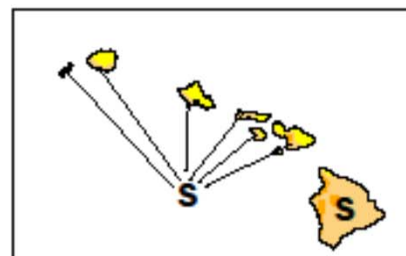
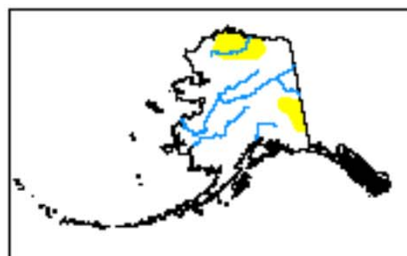
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

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

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

Author:
 David Miskus
 NOAA/NWS/NCEP/CPC



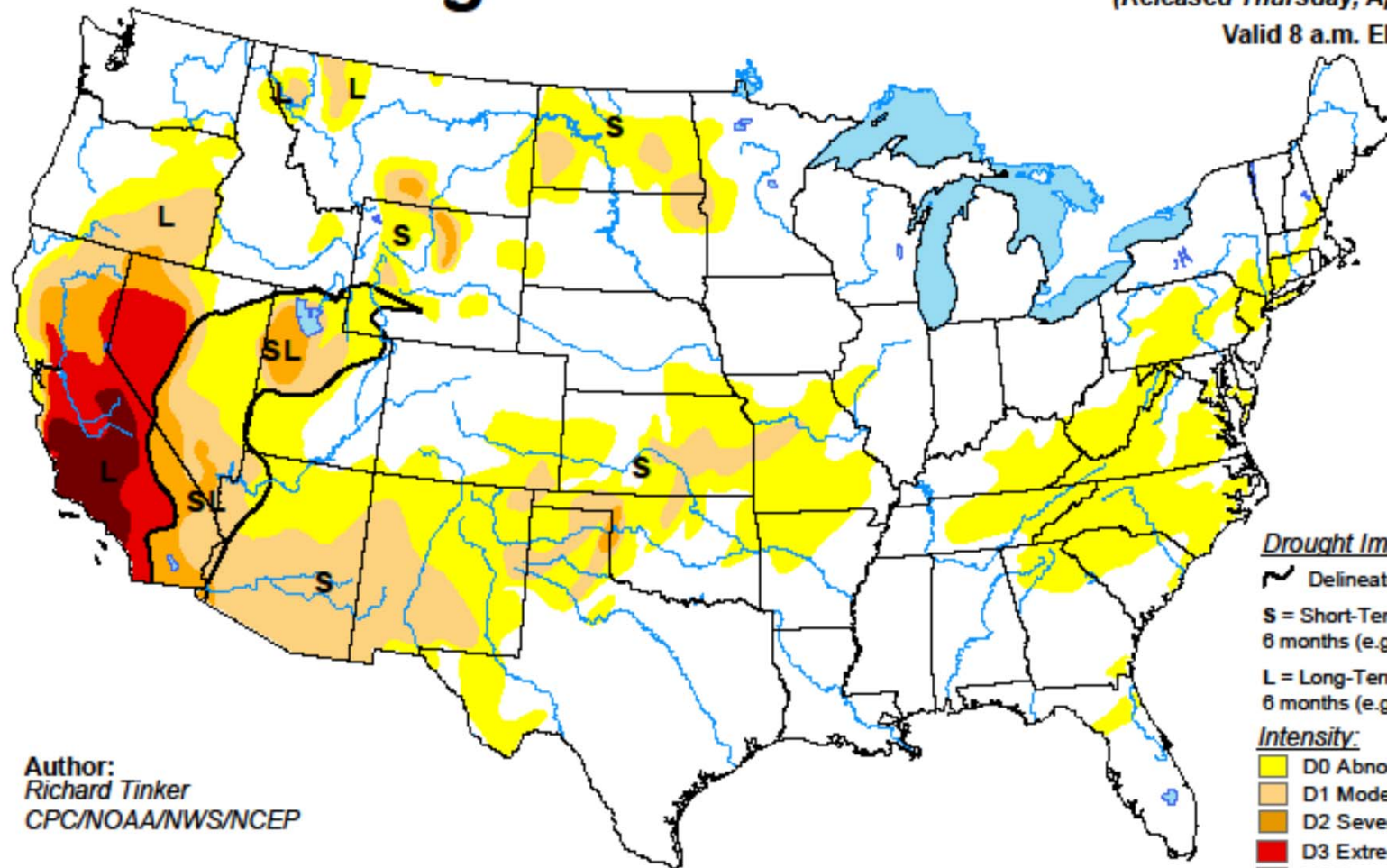
<http://droughtmonitor.unl.edu/>

U.S. Drought Monitor

April 19, 2016

(Released Thursday, Apr. 21, 2016)

Valid 8 a.m. EDT



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

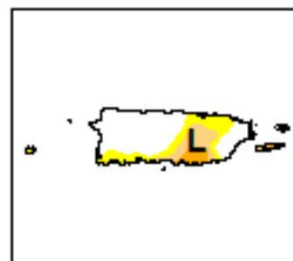
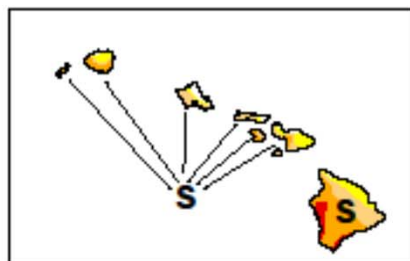
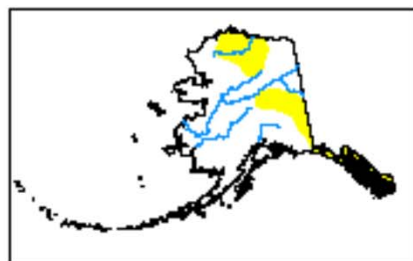
D2 Severe Drought

D3 Extreme Drought

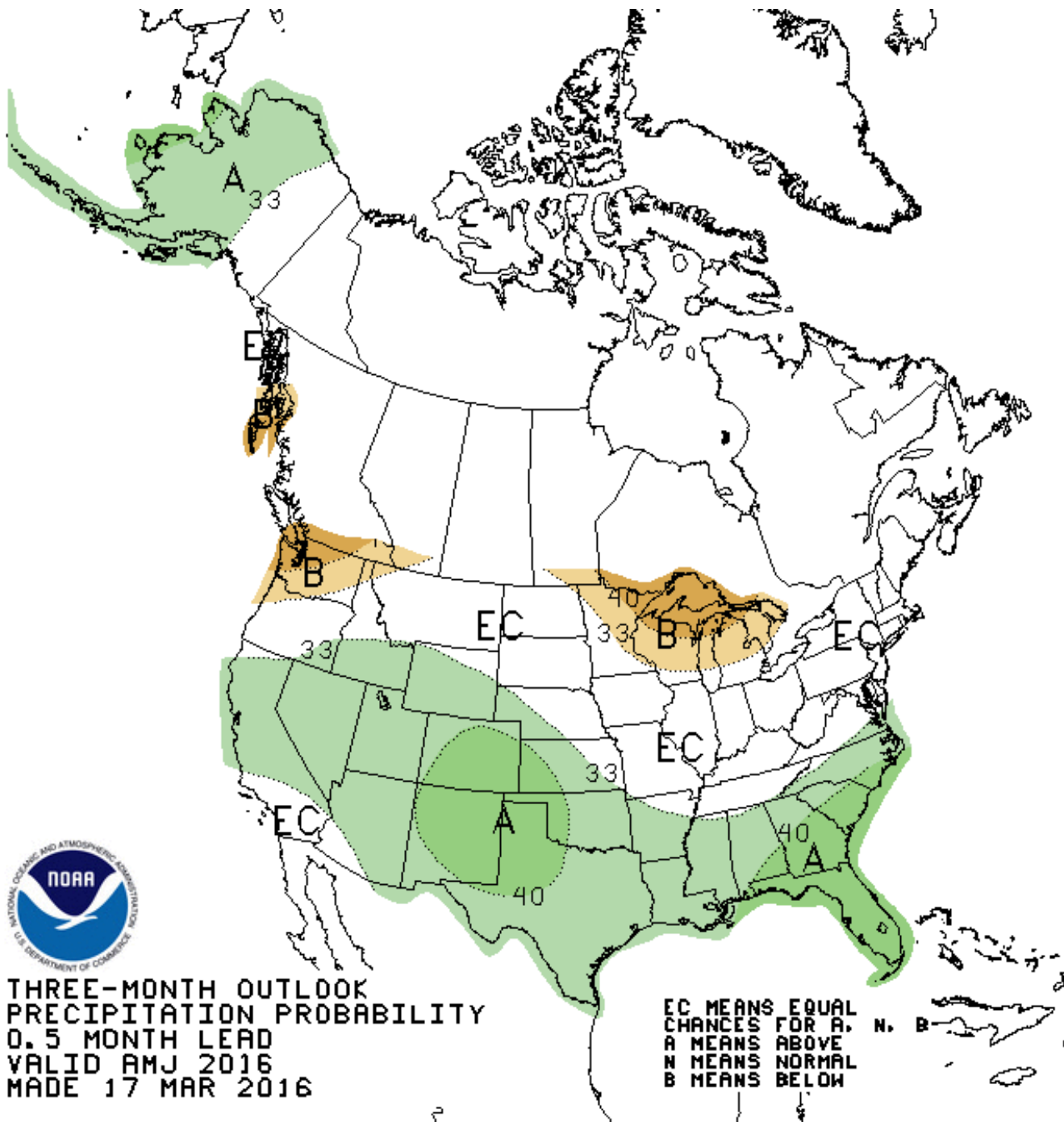
D4 Exceptional Drought

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

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP



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

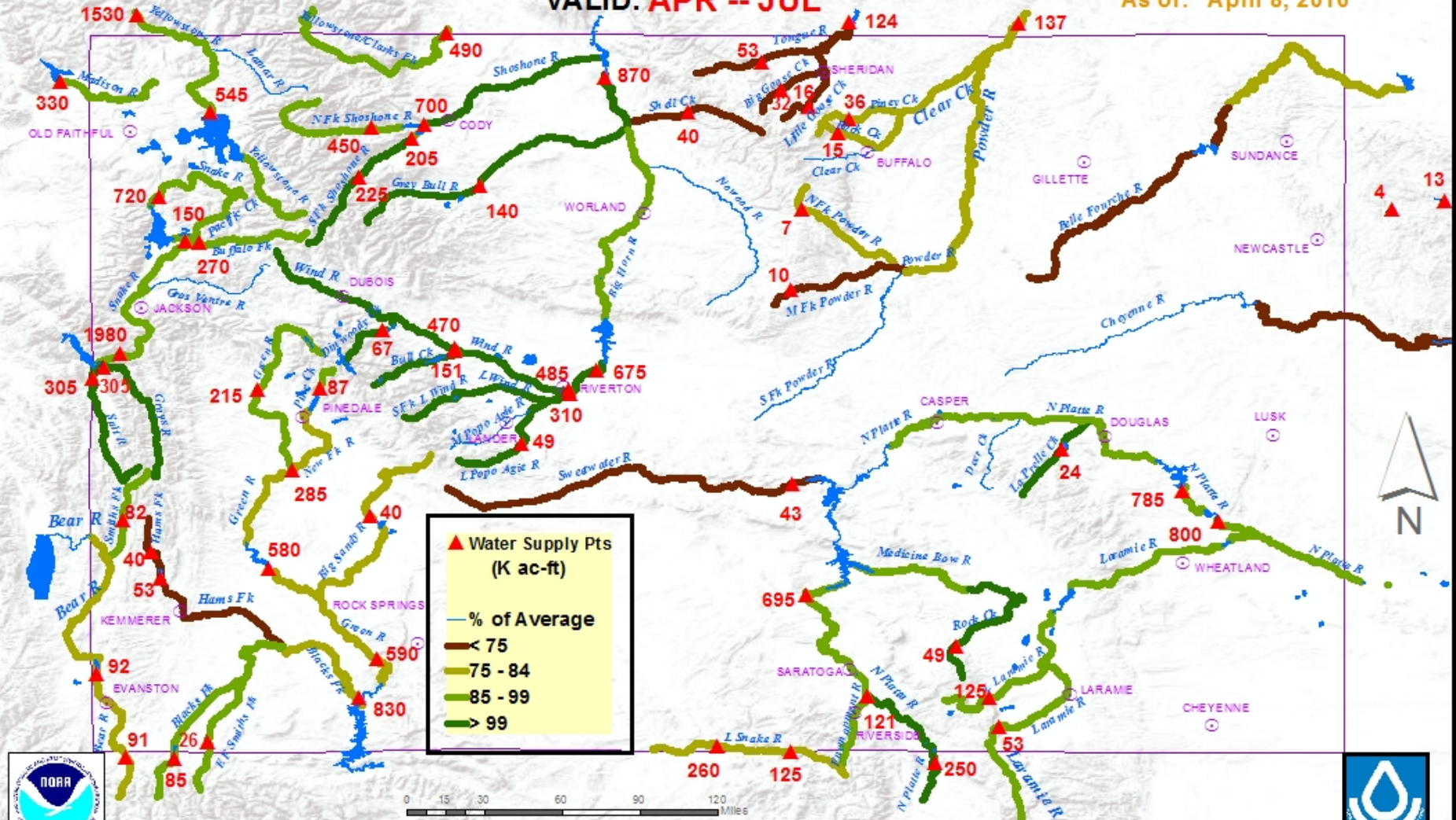


THREE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID AMJ 2016
 MADE 17 MAR 2016

Wyoming Water Supply Outlook

VALID: APR -- JUL

As of: April 8, 2016



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. 1 acre-foot of water covers 1 acre of land to a depth of 1 foot.

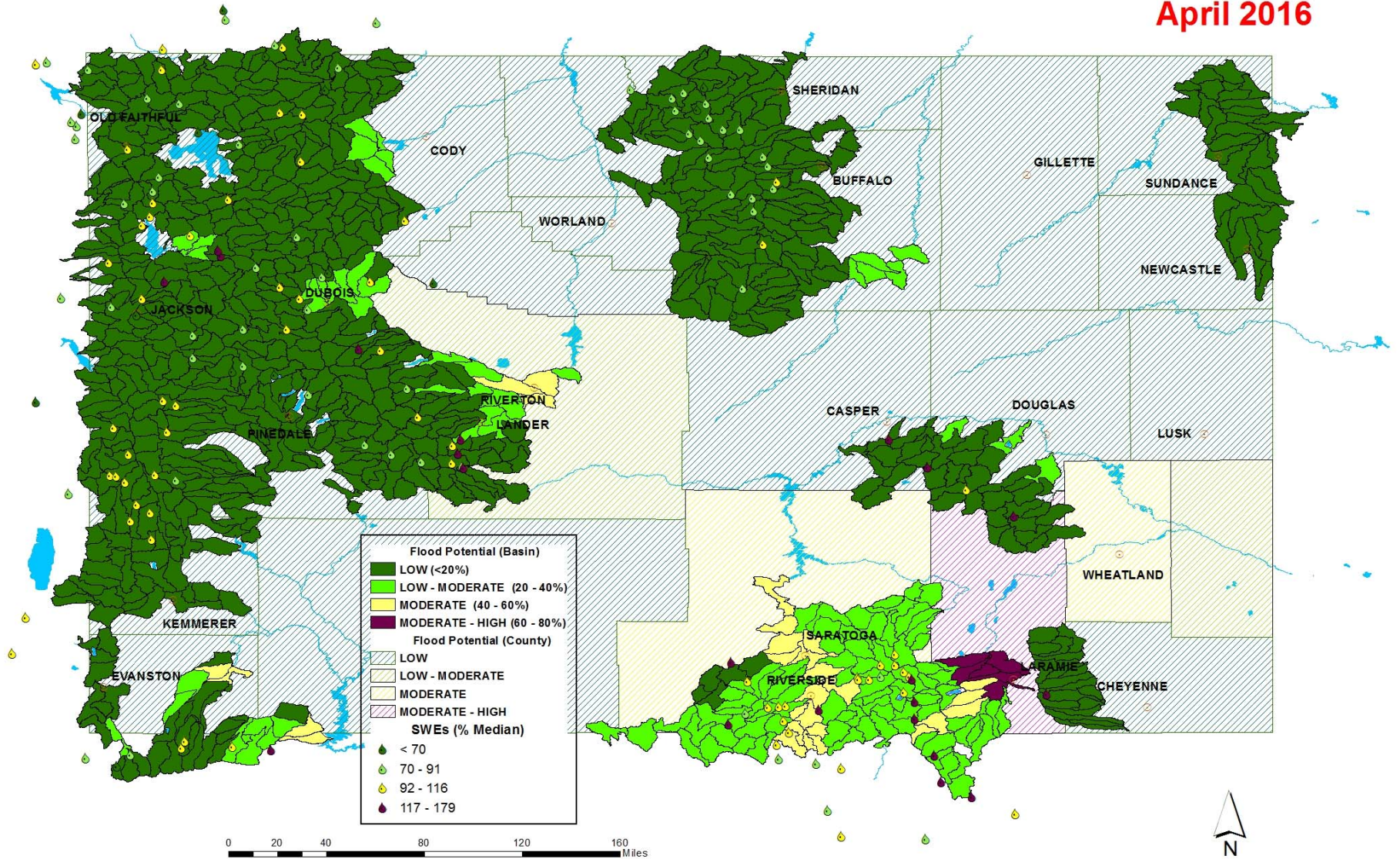
NOTE: ALL FORECAST VOLUMES REFLECT FULL NATURAL FLOW. ACTUAL OBSERVED FLOWS MAY BE AFFECTED BY UPS TREAM WATER MANAGEMENT.

Note: The NEXT graphical water supply outlook will be issued: around 10th of May 2016.

Sources: Esri, USGS, NOAA

Wyoming Spring Snowmelt Flood Potential Outlook

April 2016



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.



The next and Final graphical outlook will be issued in early May.

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