

Governor's Drought Advisory Committee Snowpack and Streamflow Update April 19th, 2018

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<http://www.nrcs.usda.gov/wps/portal/nrcs/main/mt/snow/>

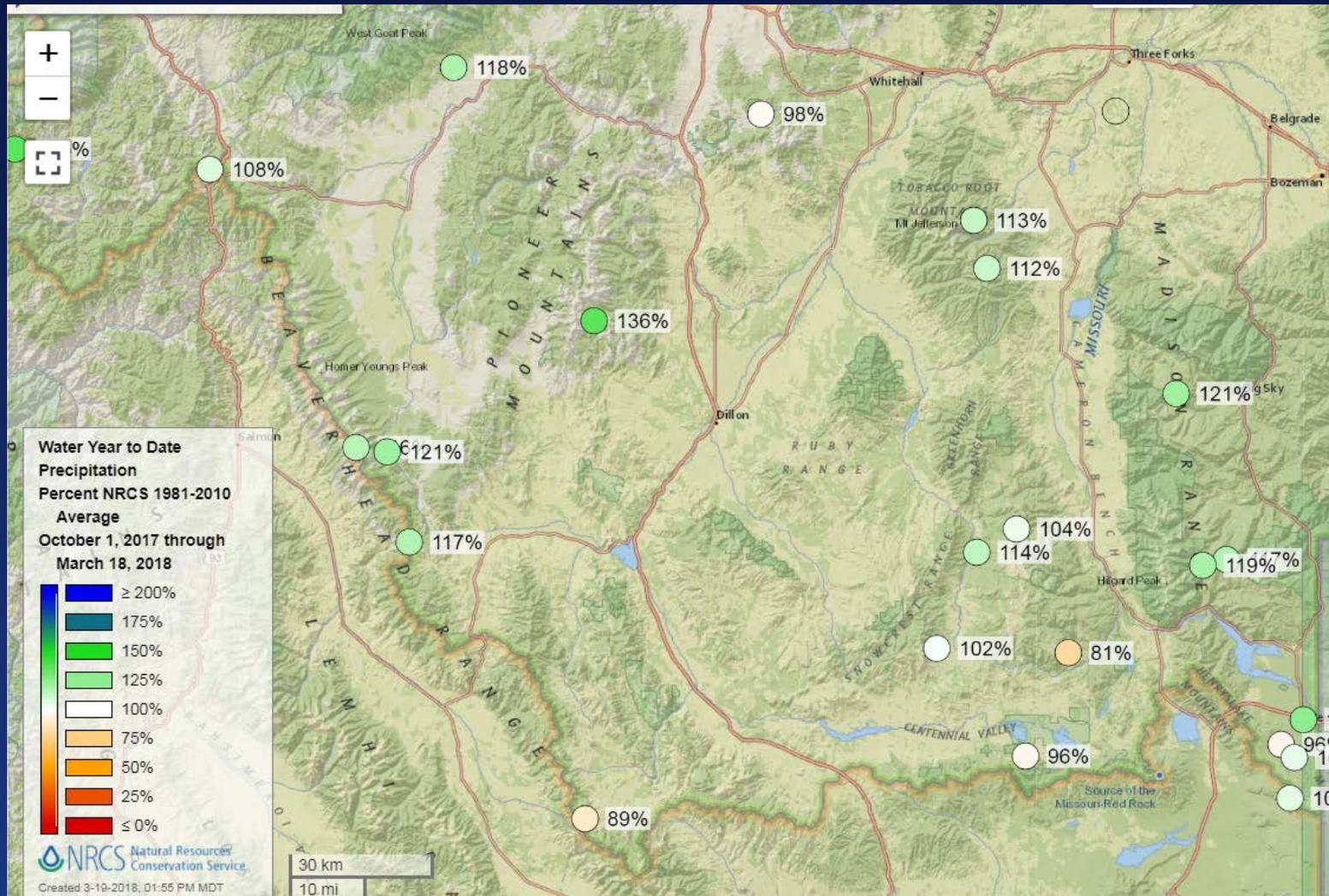


**United States
Department of
Agriculture**

Natural Resources Conservation Service

Mountain Precipitation

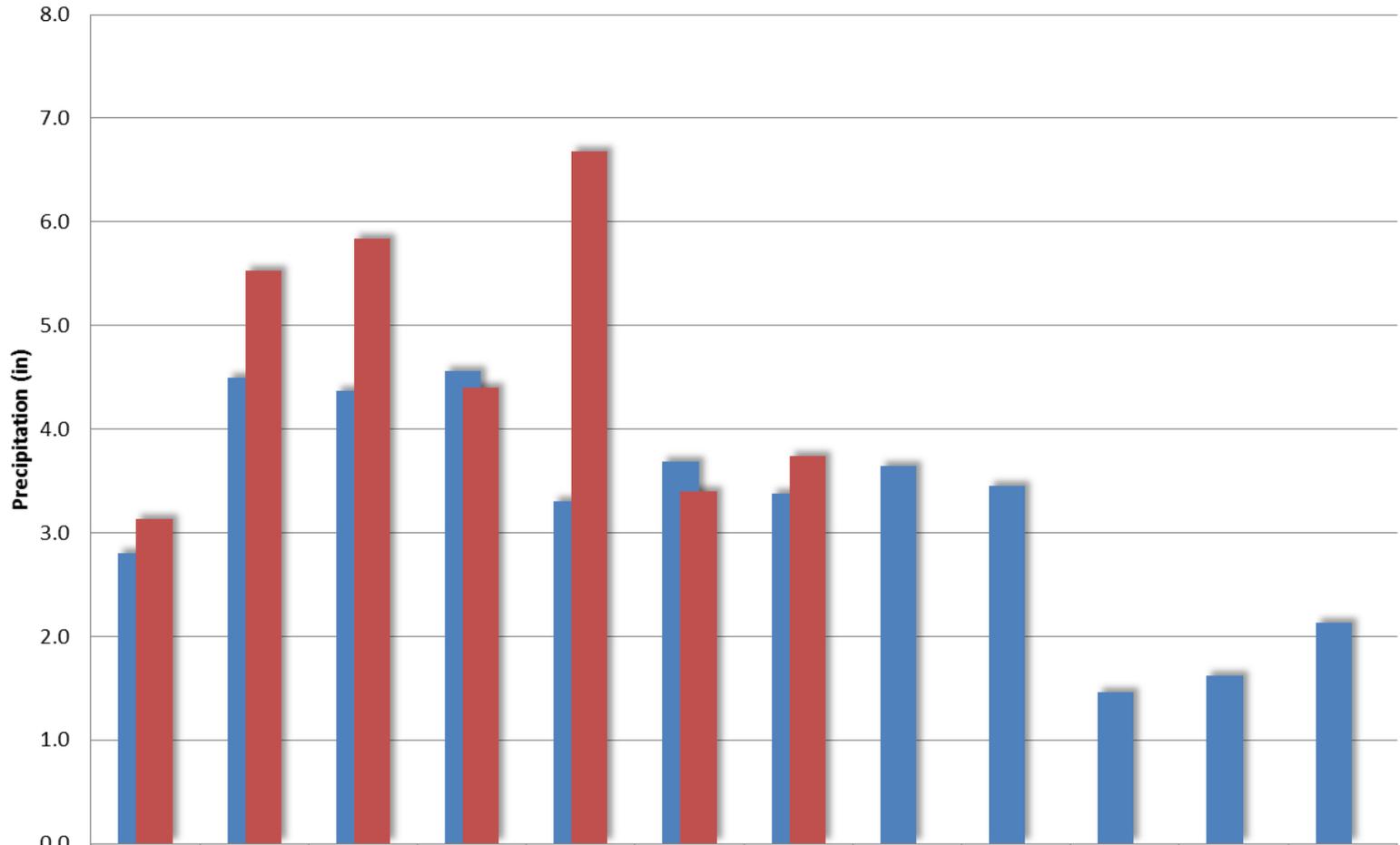
Water Year-to-Date Mountain Precipitation March 19th, 2018



Clark Fork River Basin

SNOTEL Monthly Precipitation

4/18/2018

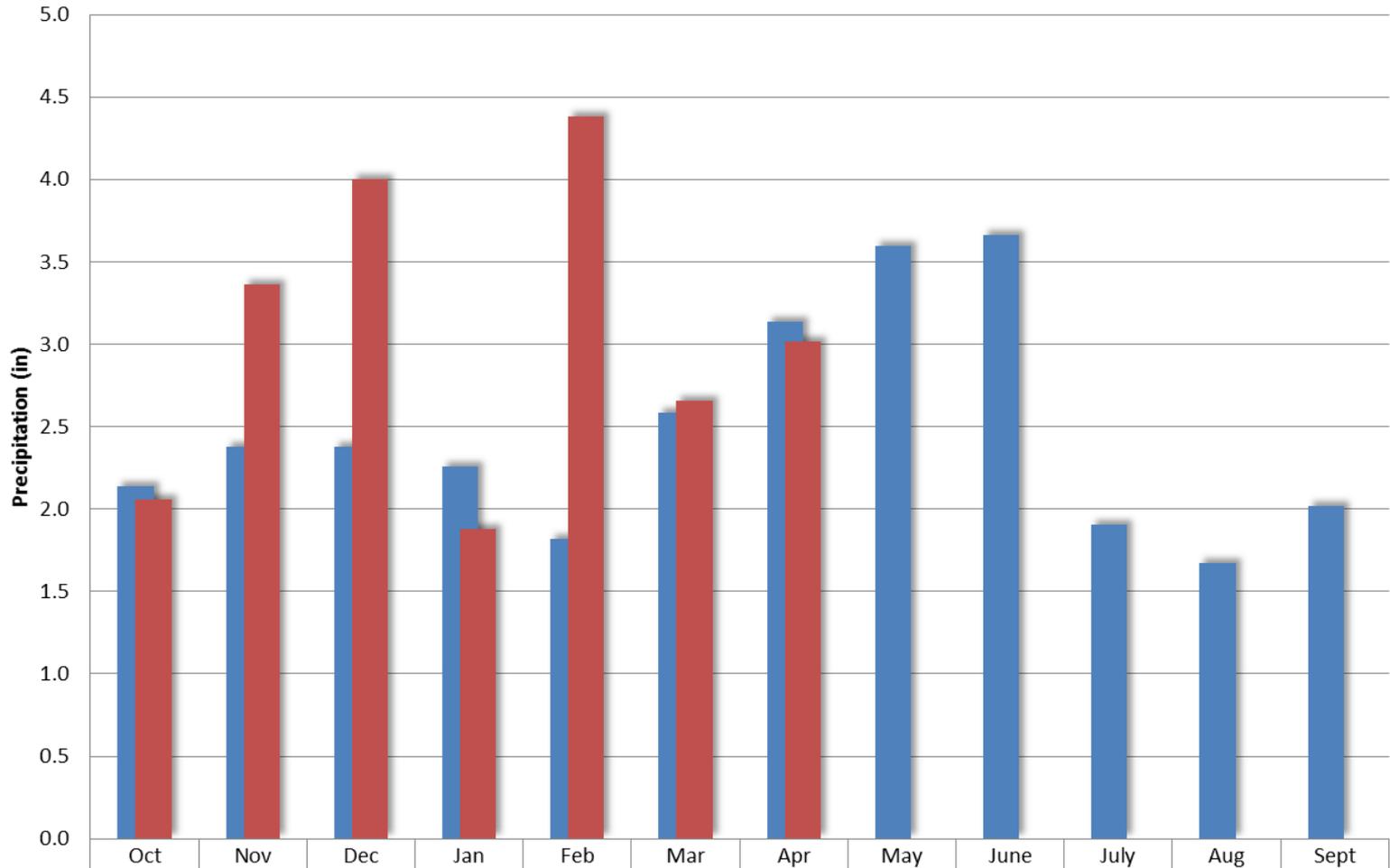


| | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ■ Avg Monthly PCP (in) | 2.8 | 4.5 | 4.4 | 4.6 | 3.3 | 3.7 | 3.4 | 3.6 | 3.5 | 1.5 | 1.6 | 2.1 |
| ■ Monthly PCP (in) | 3.1 | 5.5 | 5.8 | 4.4 | 6.7 | 3.4 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Missouri Mainstem

SNOTEL Monthly Precipitation

4/18/2018



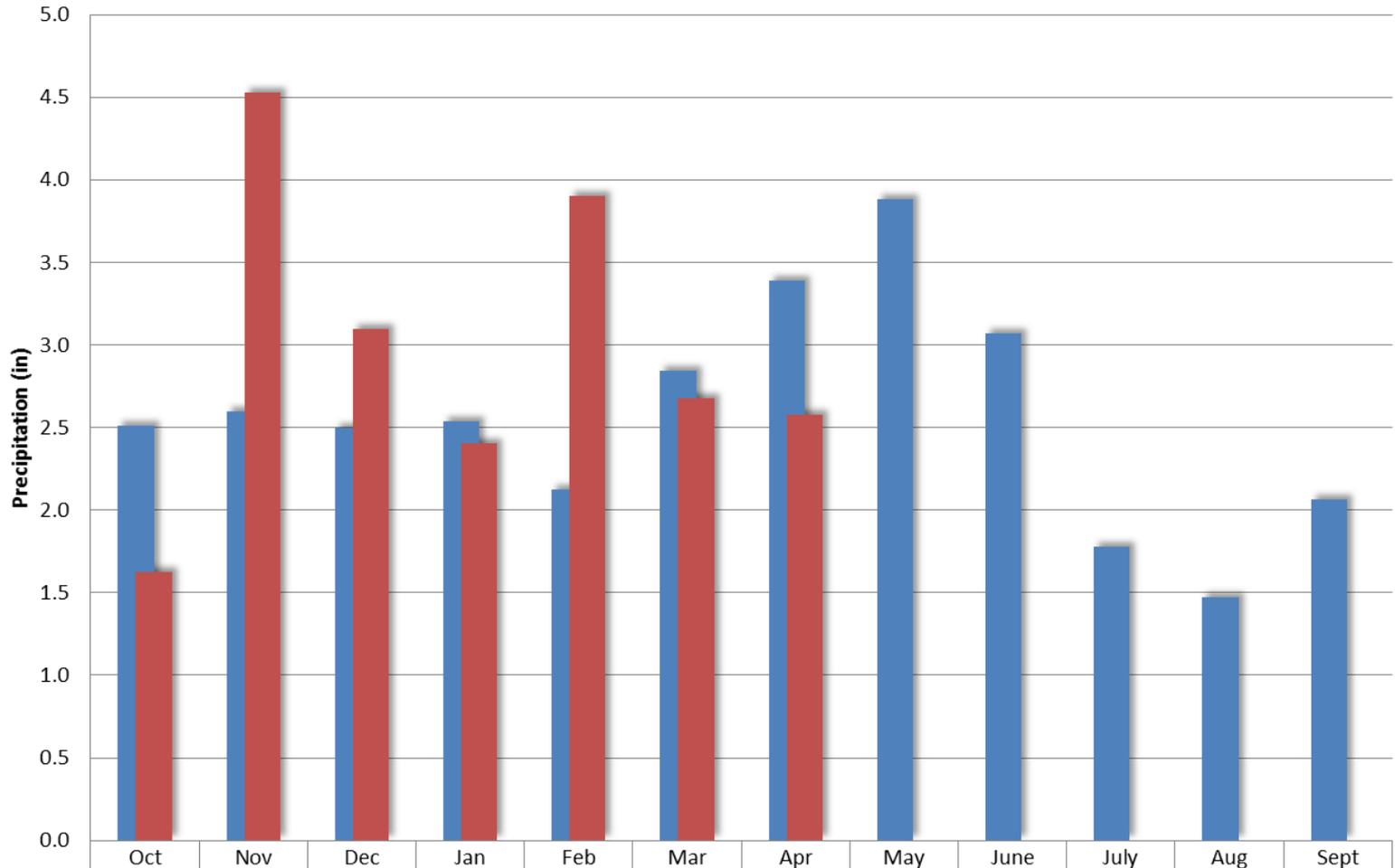
■ Avg Monthly PCP (in)

■ Monthly PCP (in)

Yellowstone River Basin

SNOTEL Monthly Precipitation

4/18/2018



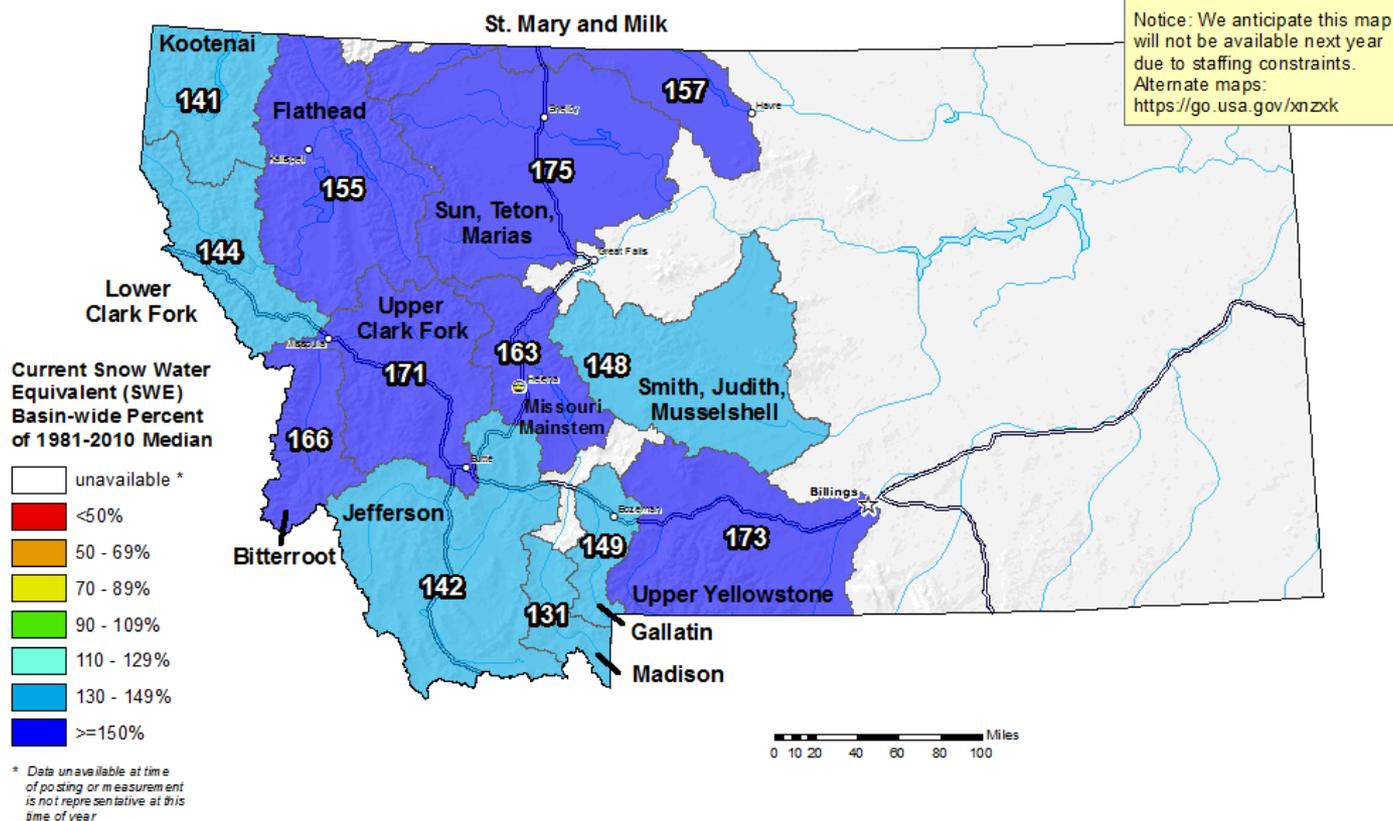
| | | | | | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ■ Avg Monthly PCP (in) | 2.5 | 2.6 | 2.5 | 2.5 | 2.1 | 2.8 | 3.4 | 3.9 | 3.1 | 1.8 | 1.5 | 2.1 |
| ■ Monthly PCP (in) | 1.6 | 4.5 | 3.1 | 2.4 | 3.9 | 2.7 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Snowpack

Snowpack Percentages April 16th, 2018

Apr 16, 2018

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



Notice: We anticipate this map will not be available next year due to staffing constraints. Alternate maps: <https://go.usa.gov/xnzxk>

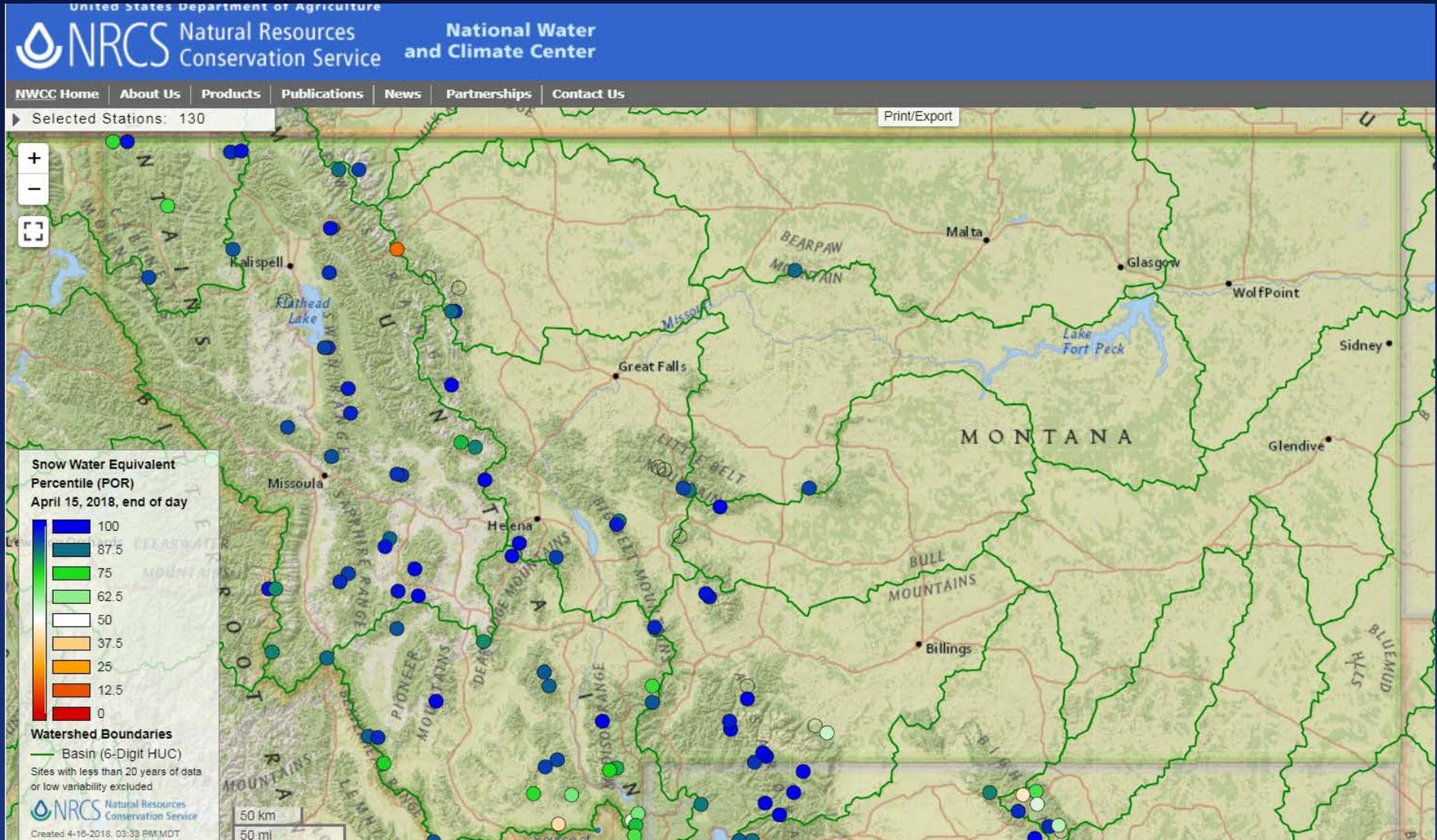
*Provisional Data
Subject to Revision*



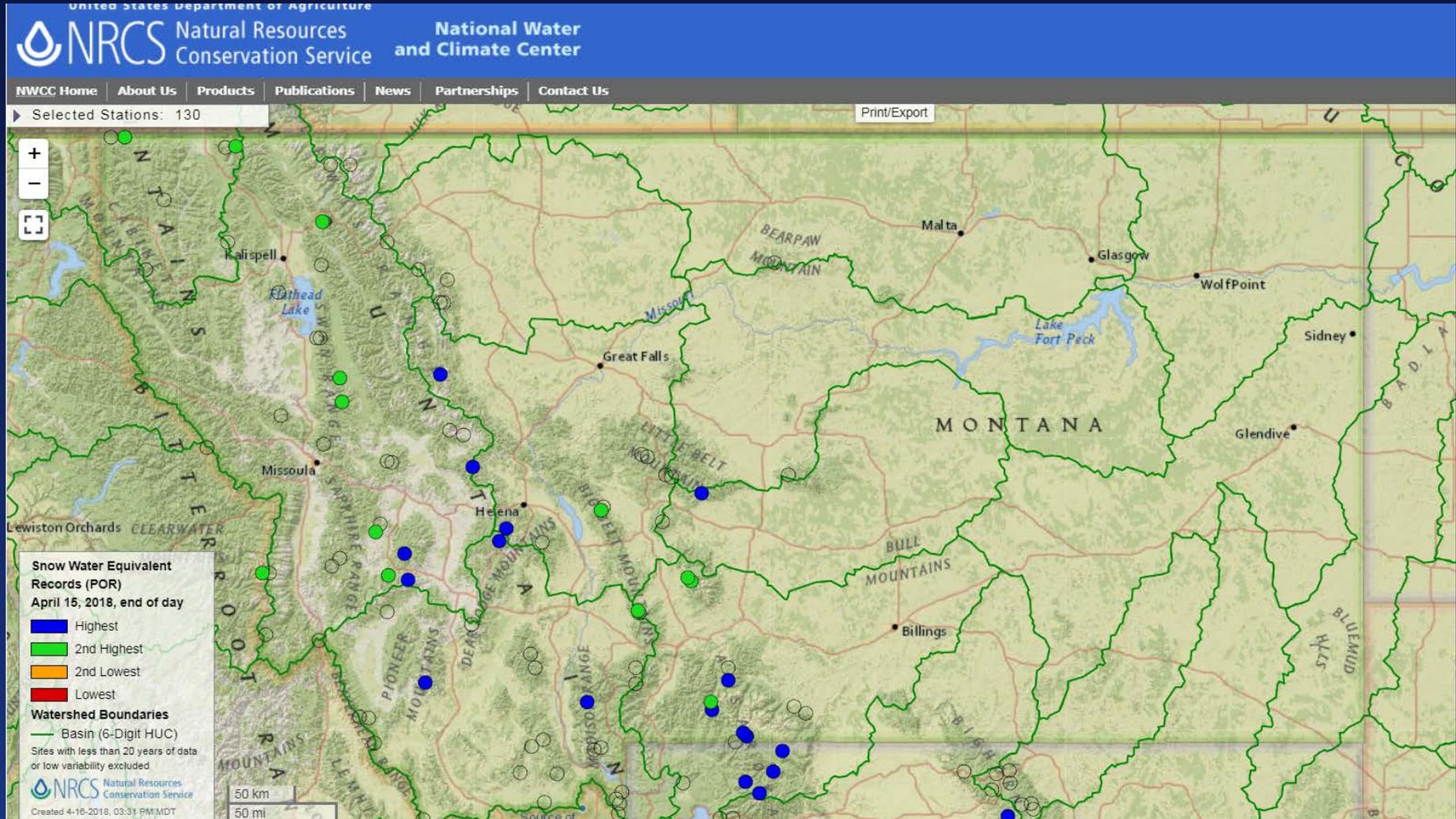
The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

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

Snowpack Percentiles for April 16th, 2018

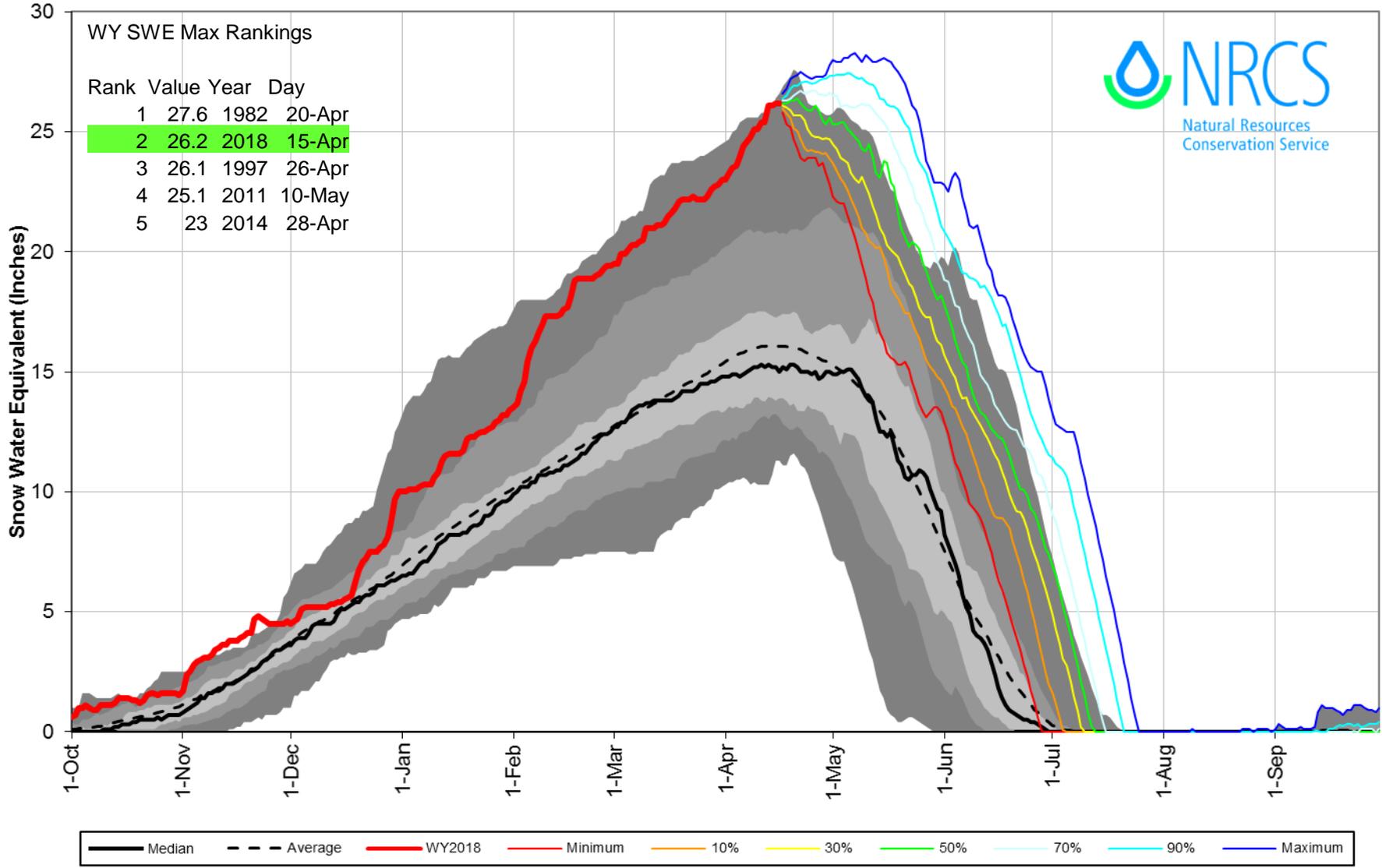


Snowpack Records for April 16th, 2018



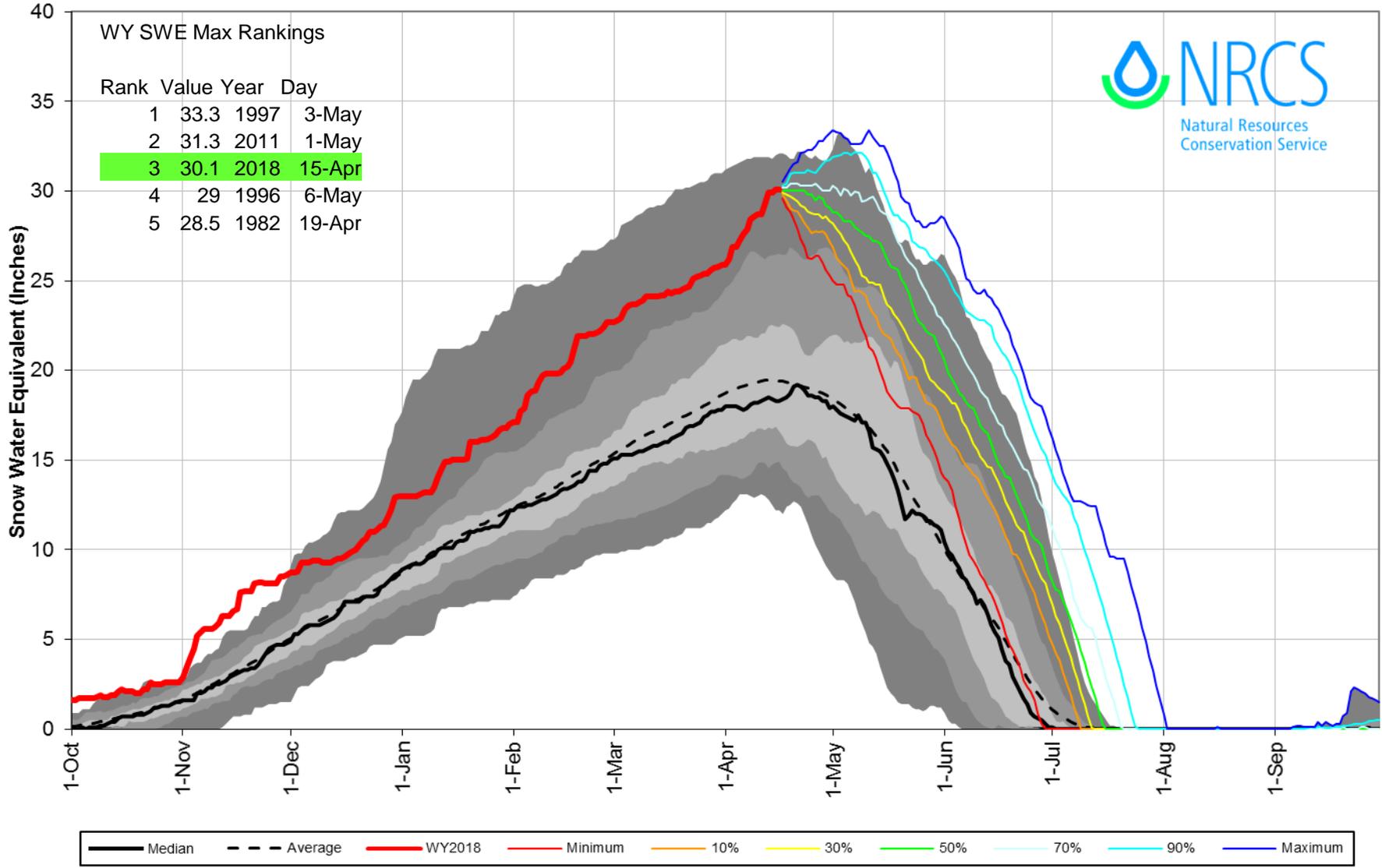
Upper Clark Fork River Basin Snowpack with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Apr 16, 2018



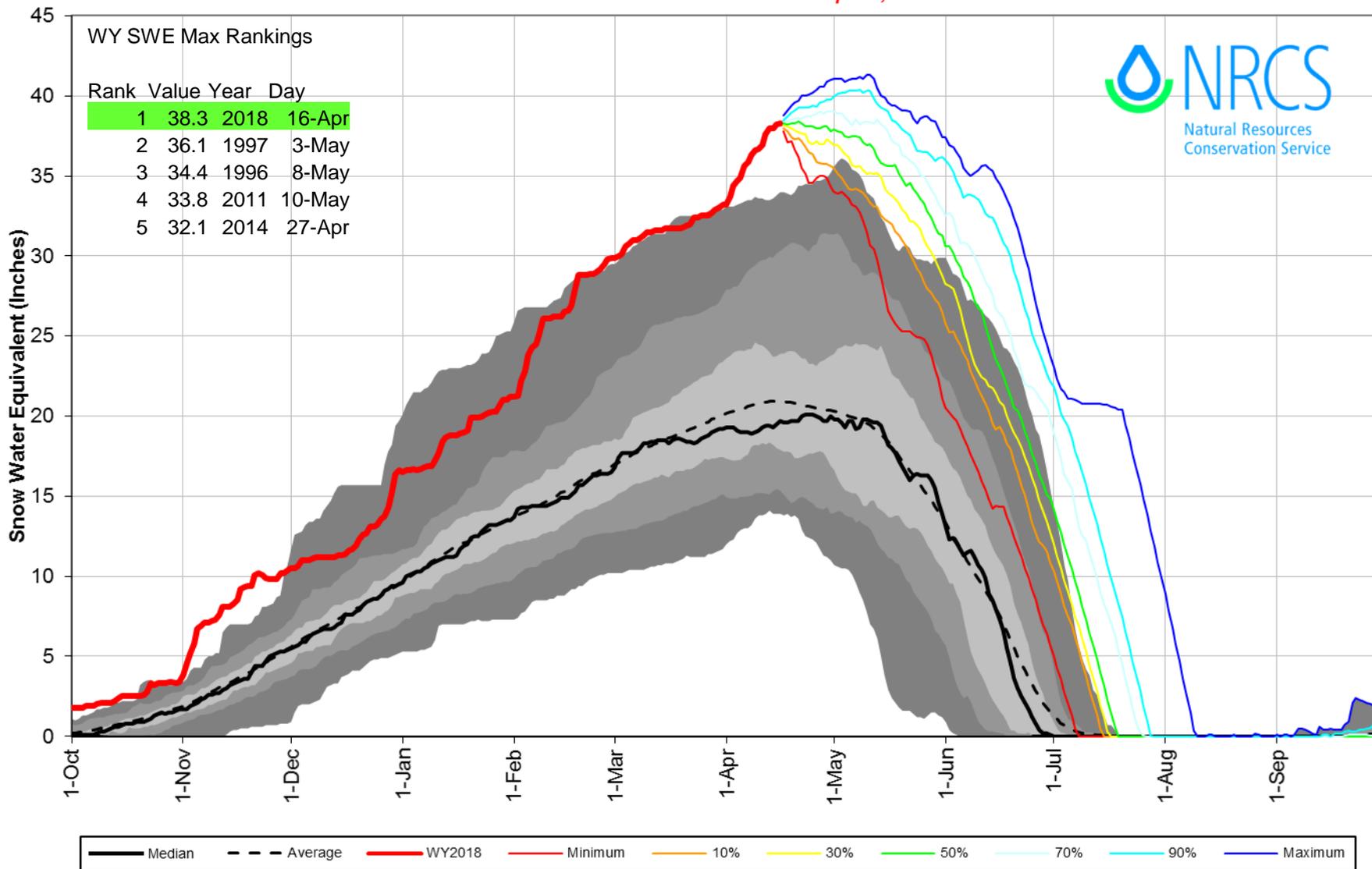
Yellowstone River above Livingston, MT Snowpack with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Apr 16, 2018



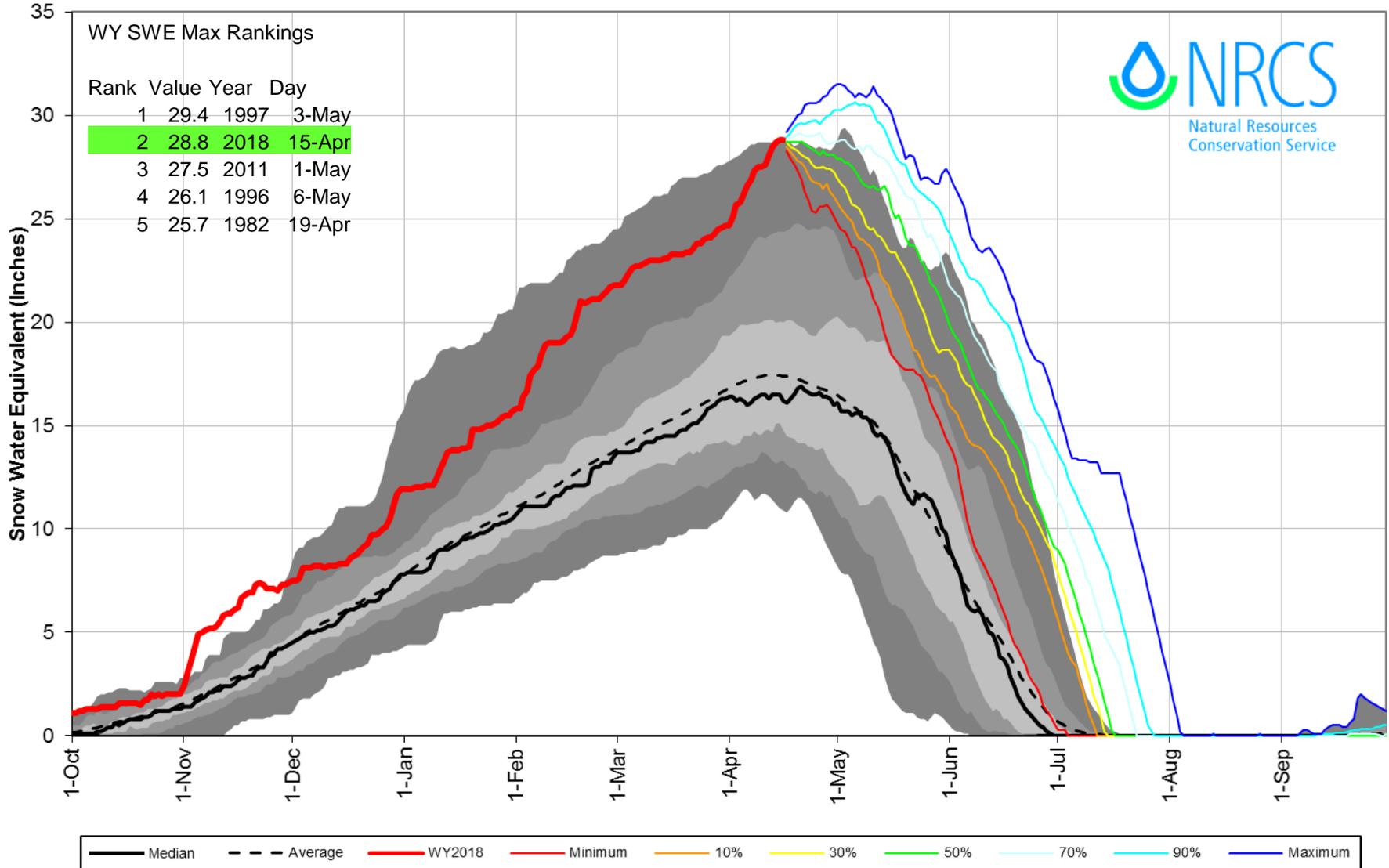
Clark's Fork of the Yellowstone River Basin Snowpack with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Apr 16, 2018

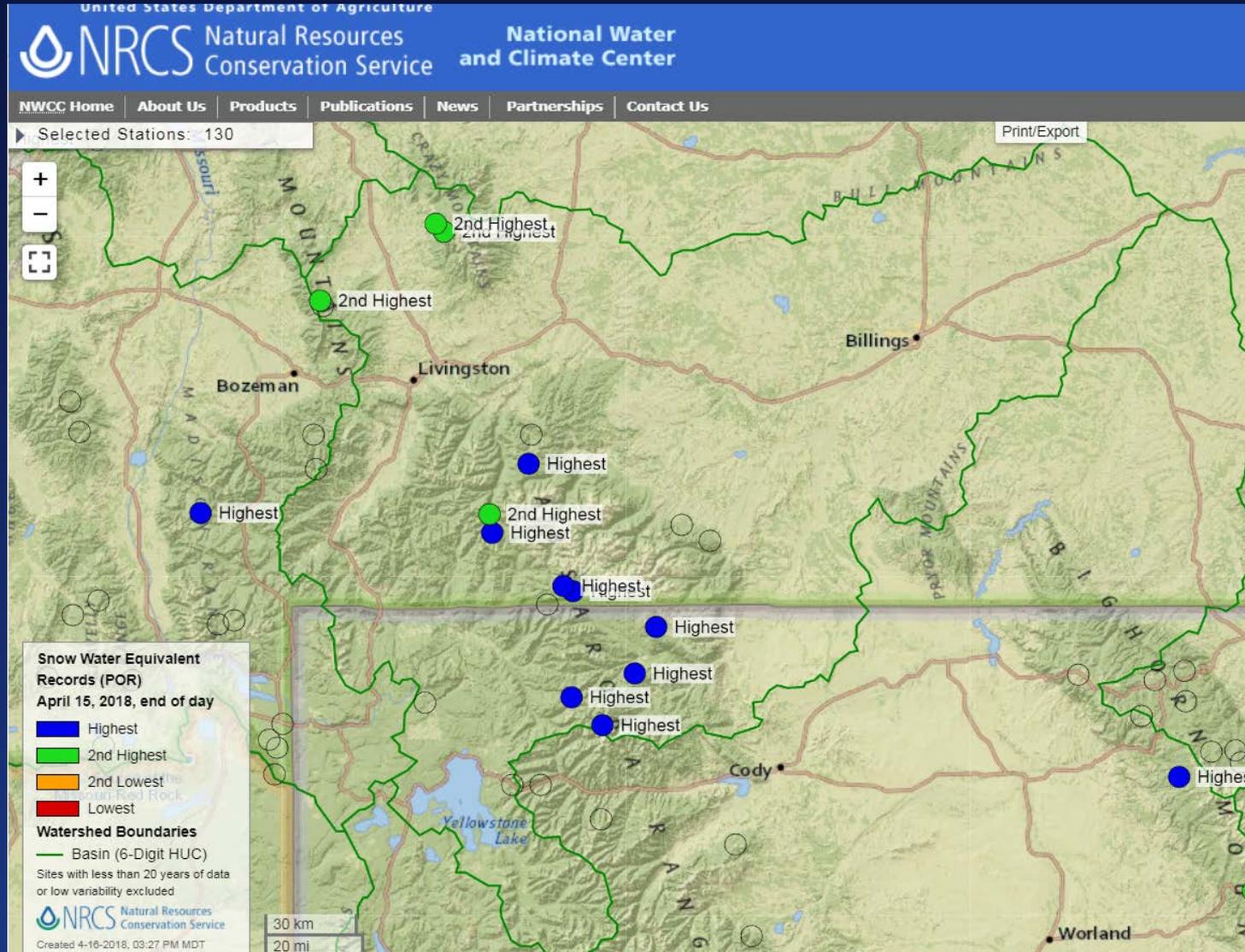


Upper Yellowstone River Basin Snowpack with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Apr 16, 2018

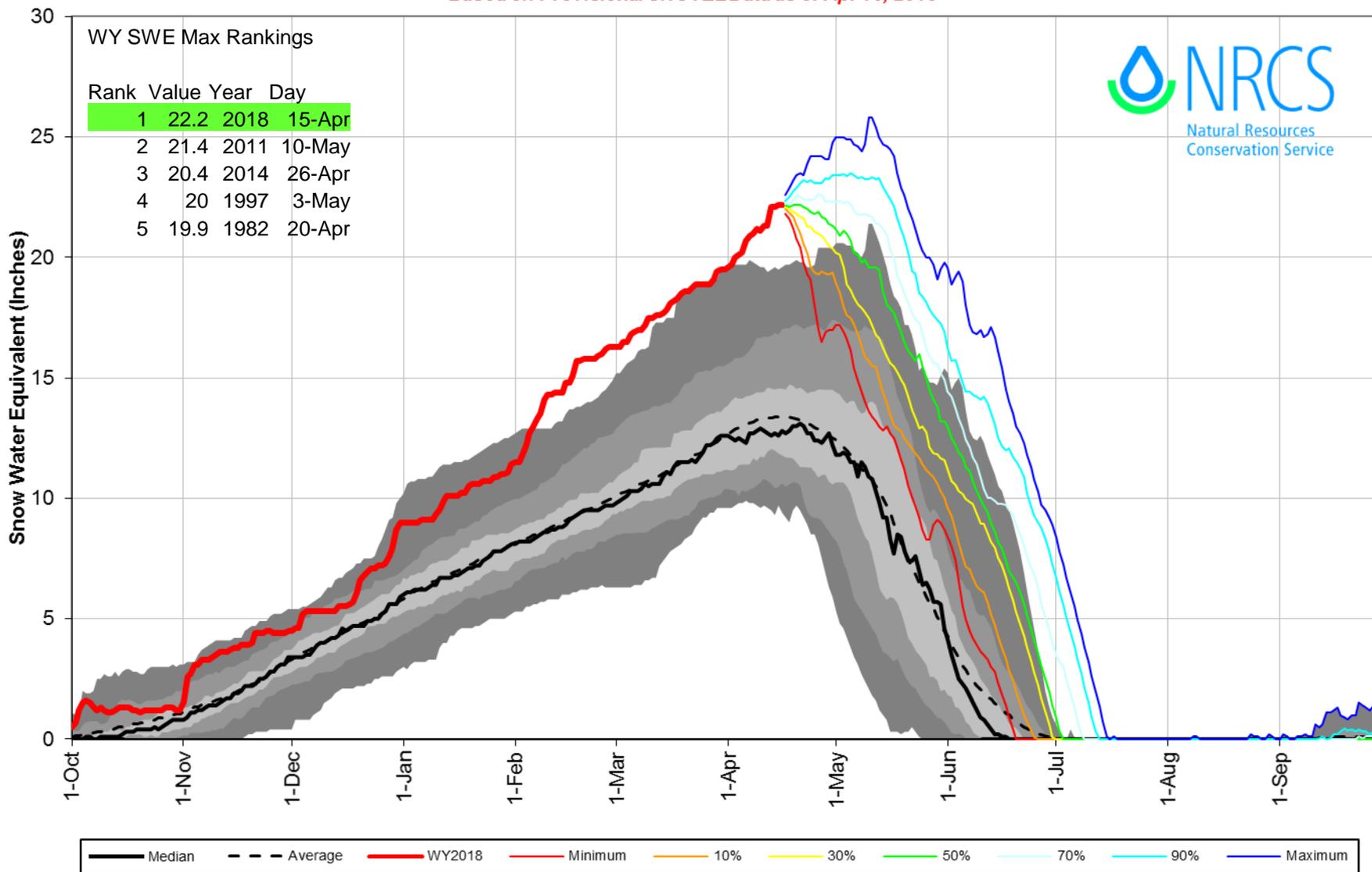


Upper Yellowstone Snowpack April 16th, 2018



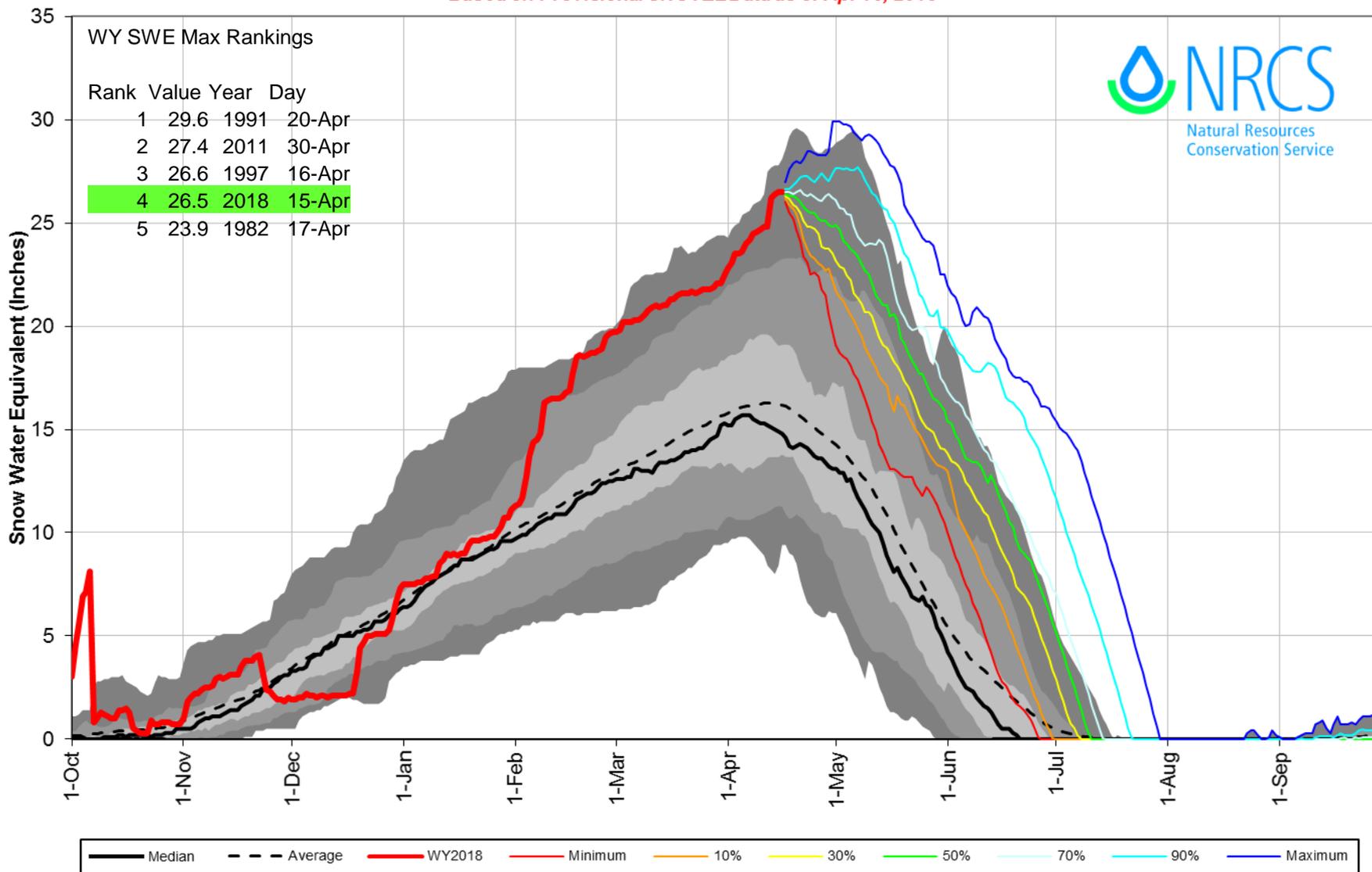
Missouri Mainstem River Basin (below Toston, above Smith) Snowpack with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Apr 16, 2018

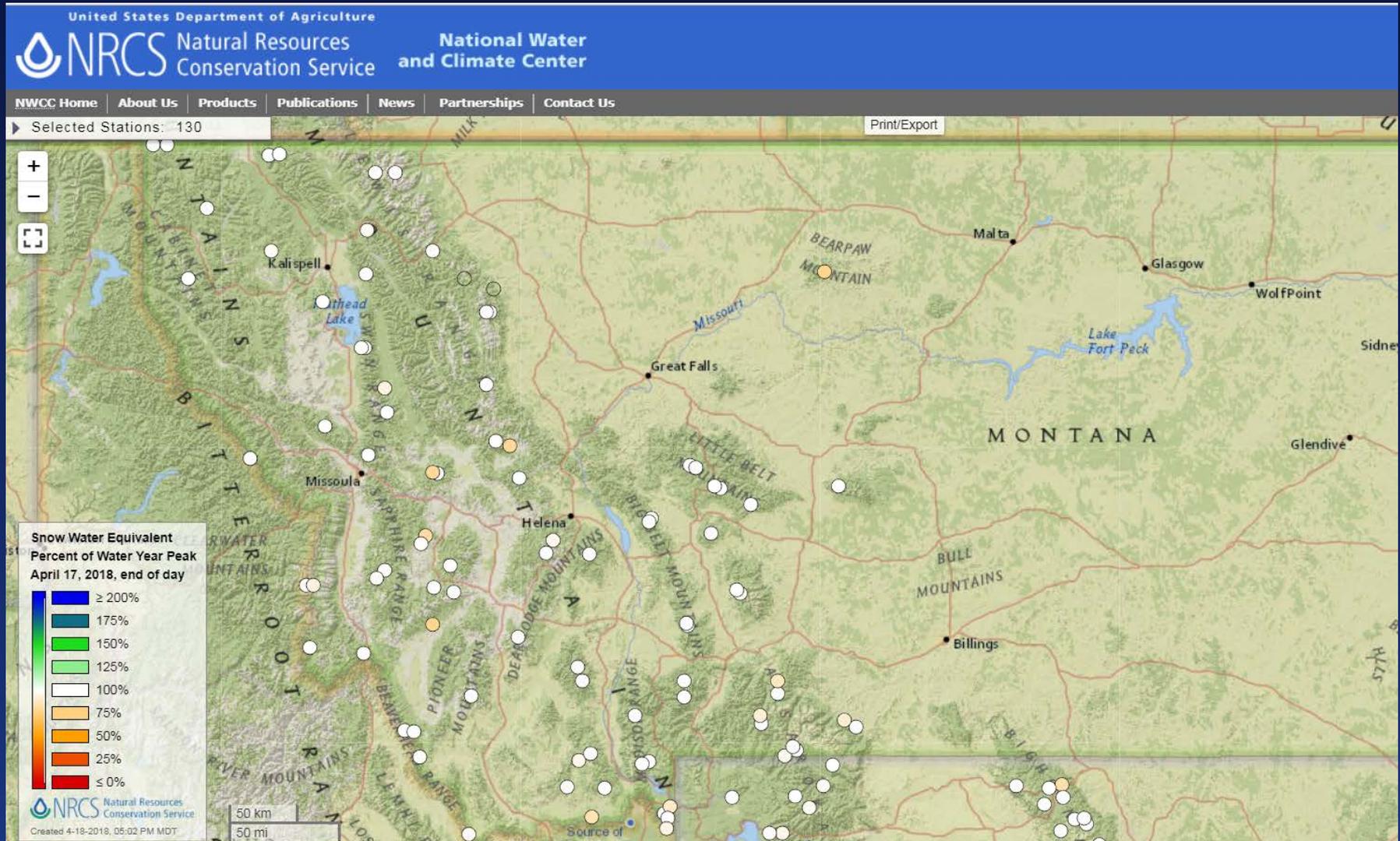


Sun, Teton, Marias River Basins Snowpack with Non-Exceedence Projections

Based on Provisional SNOTEL Data as of Apr 16, 2018

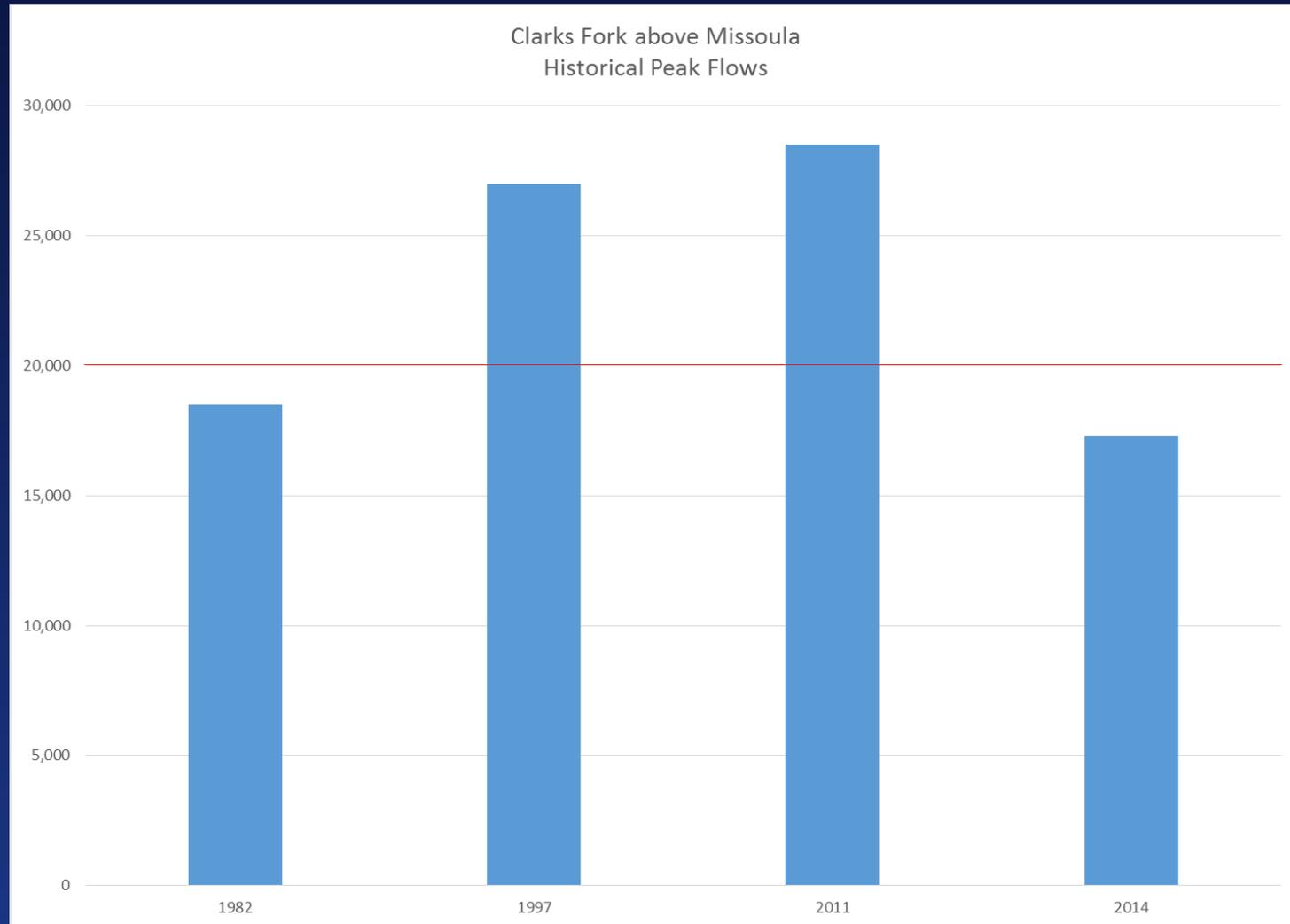


Snowpack Remaining on April 16th, 2018

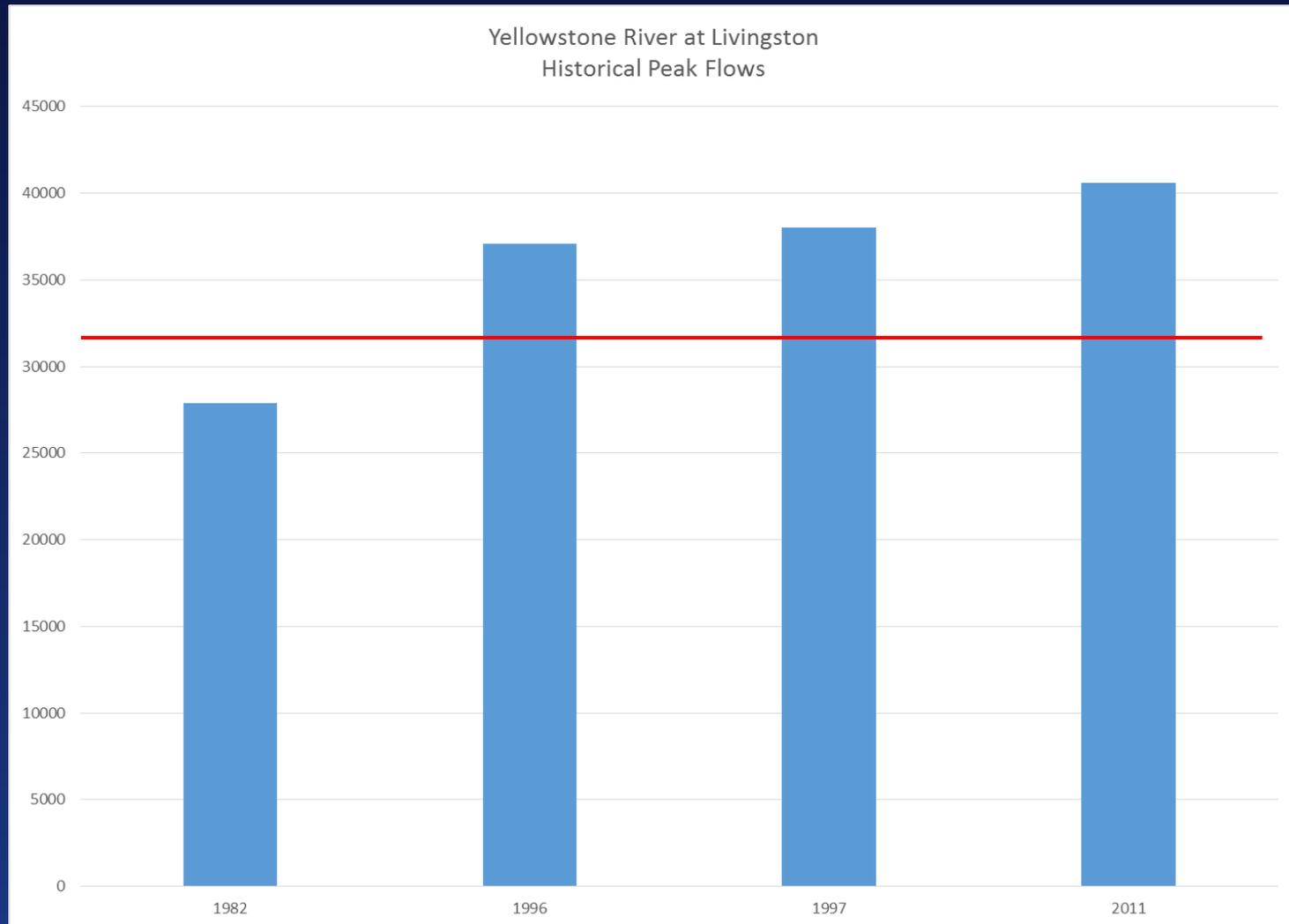


Runoff Comparisons (Other Big Years)

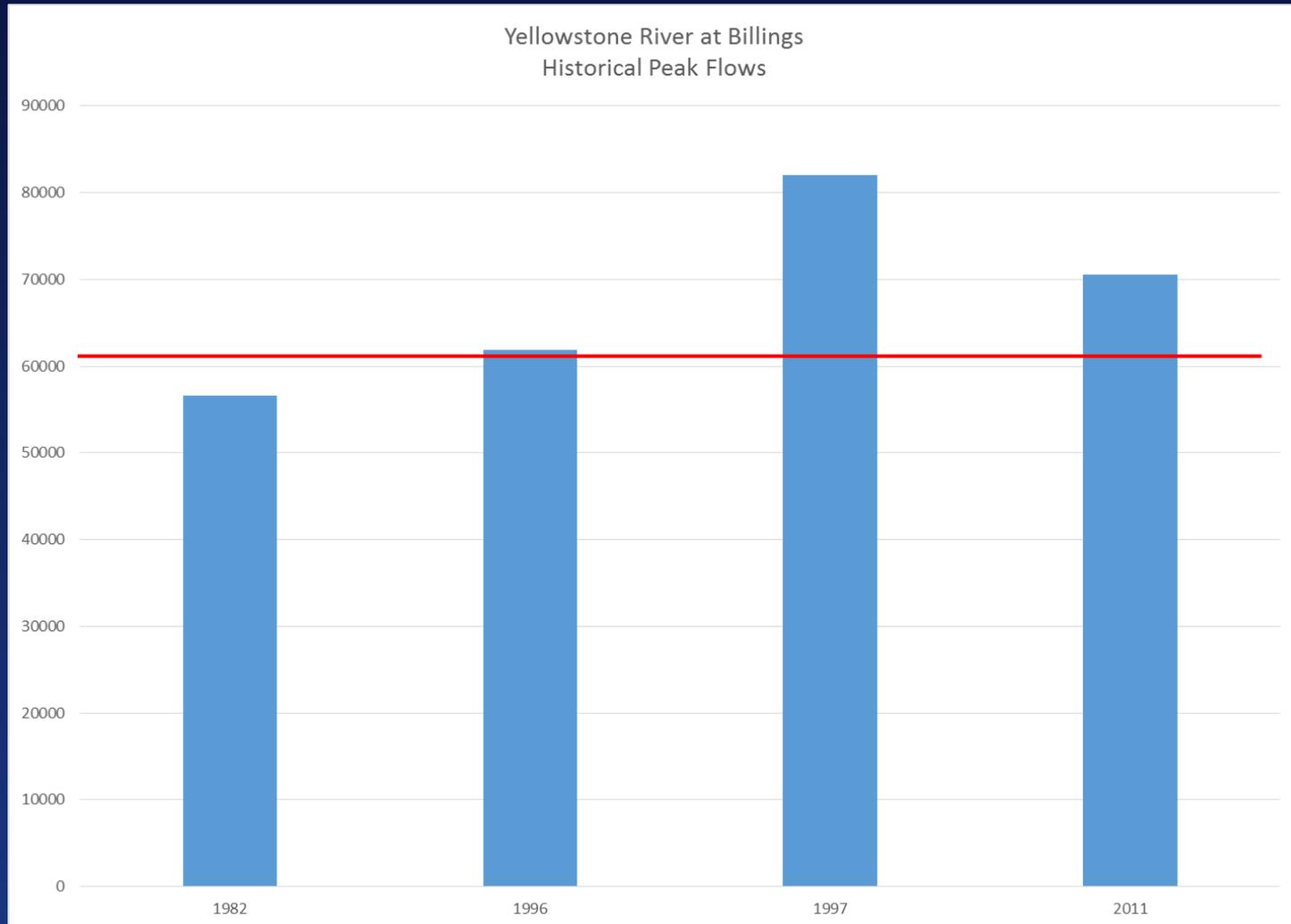
Comparable Years: Peak Flows Clark's Fork above Missoula



Comparable Years: Peak Flows Yellowstone at Livingston



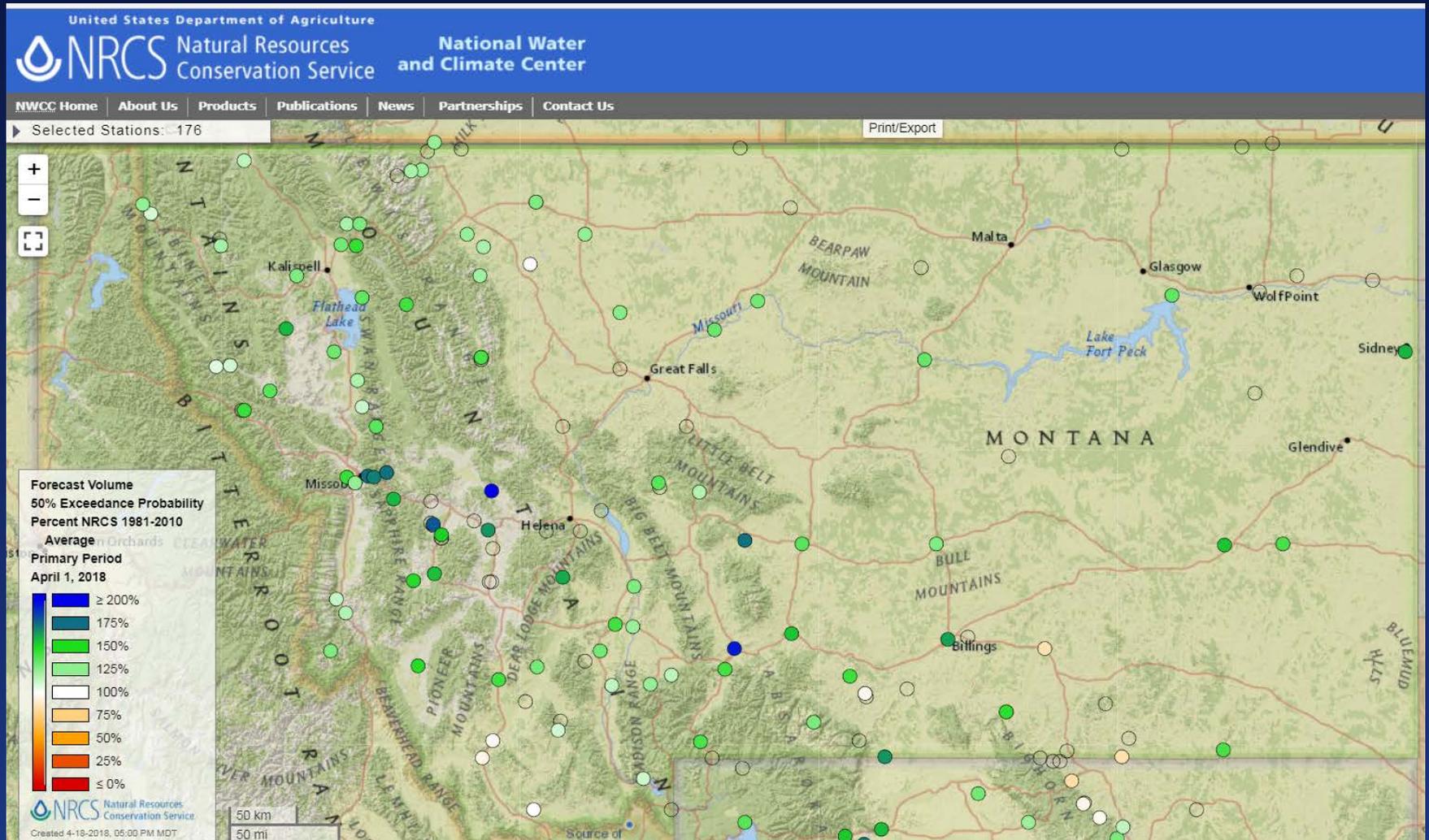
Comparable Years: Peak Flows Yellowstone at Billings



Water Supply Forecast

...There is going to be A LOT OF
WATER in the rivers and streams.

Water Supply Forecasts: April 1st, 2018 50% Exceedance Forecast April 1st – July 31st





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mt/snow/](http://www.nrcs.usda.gov/wps/portal/nrcs/main/mt/snow/)**