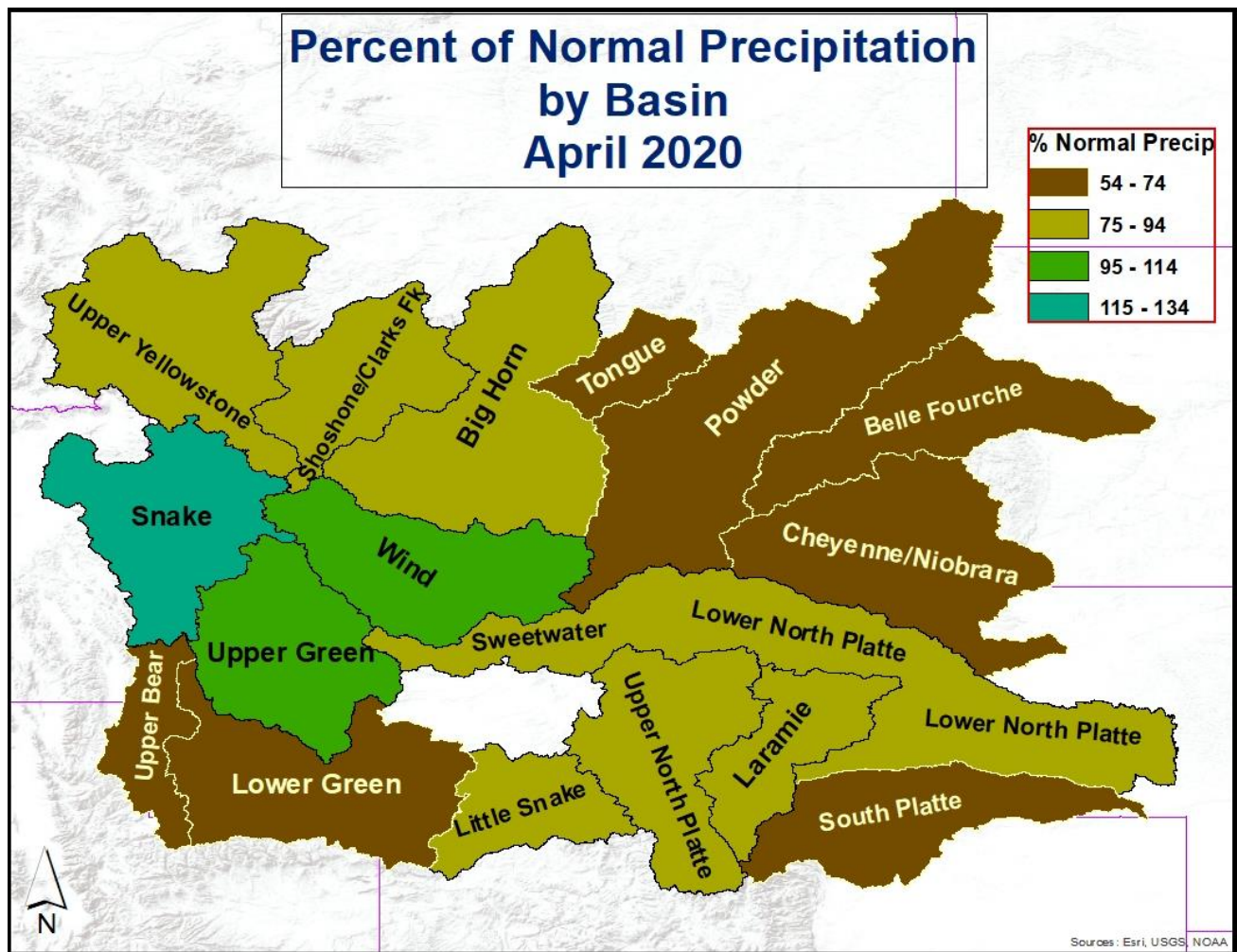


# Wyoming Hydrologic Summary

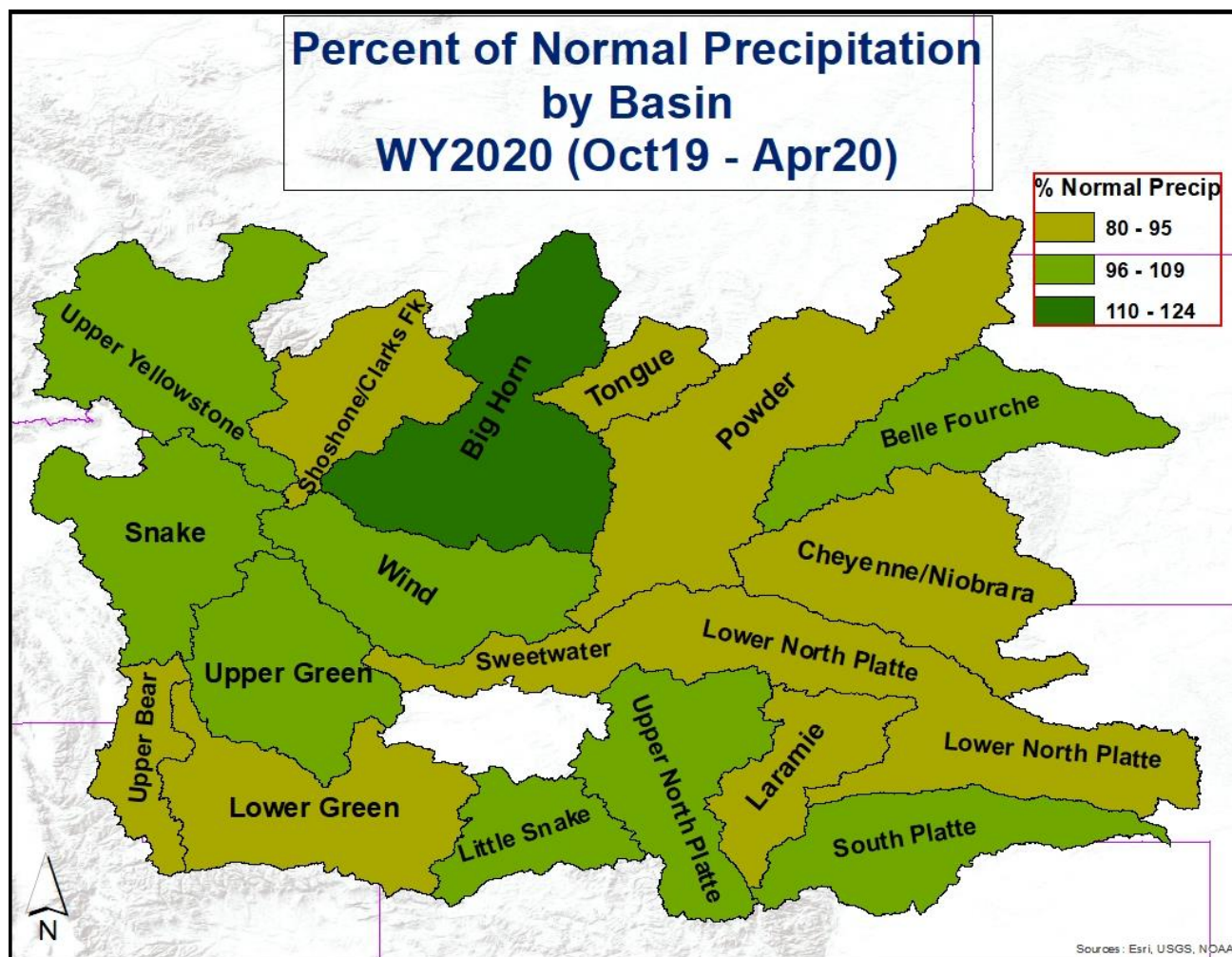
## April 2020

### Precipitation:

**Above** to **well above** normal precipitation during April across central to far western Wyoming to include the Wind, Snake, and Upper Green Watersheds. All other major watersheds across Wyoming had **below** to **much below** average precipitation totals during the month.



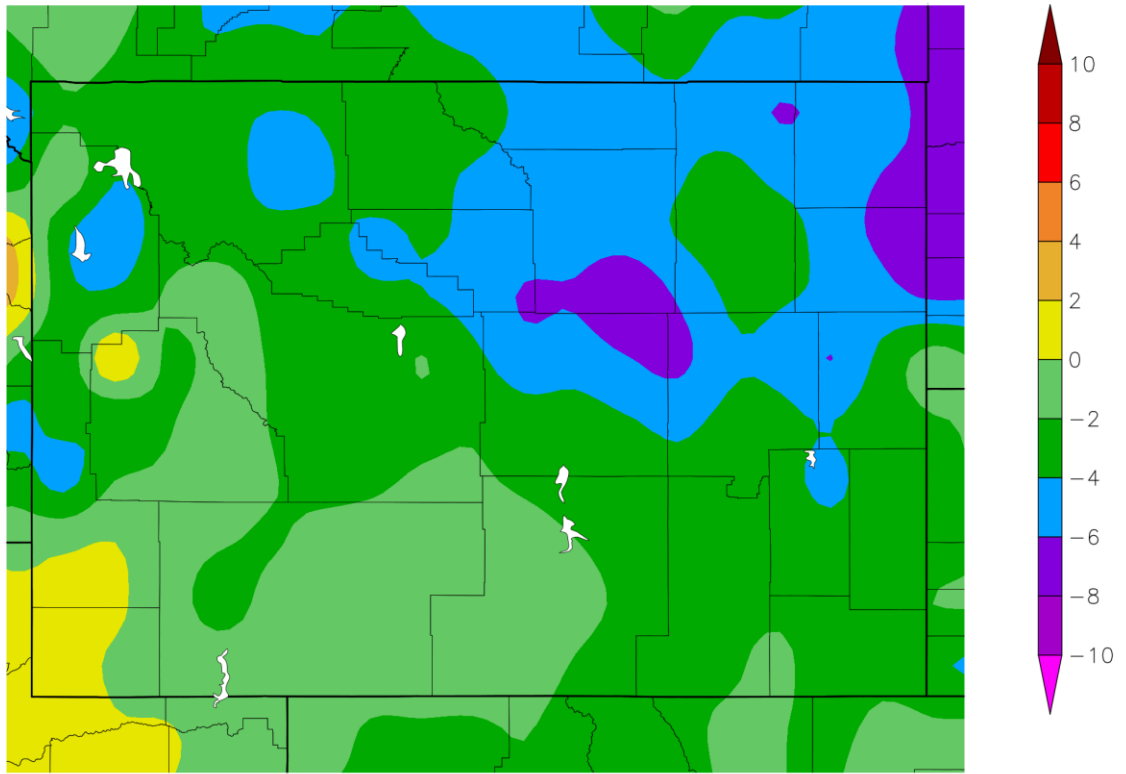
**Current Water Year (Oct 2019 – Apr 2020):**



**Temperature Trends:**

Generally, **below** normal temperatures in April for all basins in Wyoming.

Departure from Normal Temperature (F)  
4/1/2020 - 4/30/2020

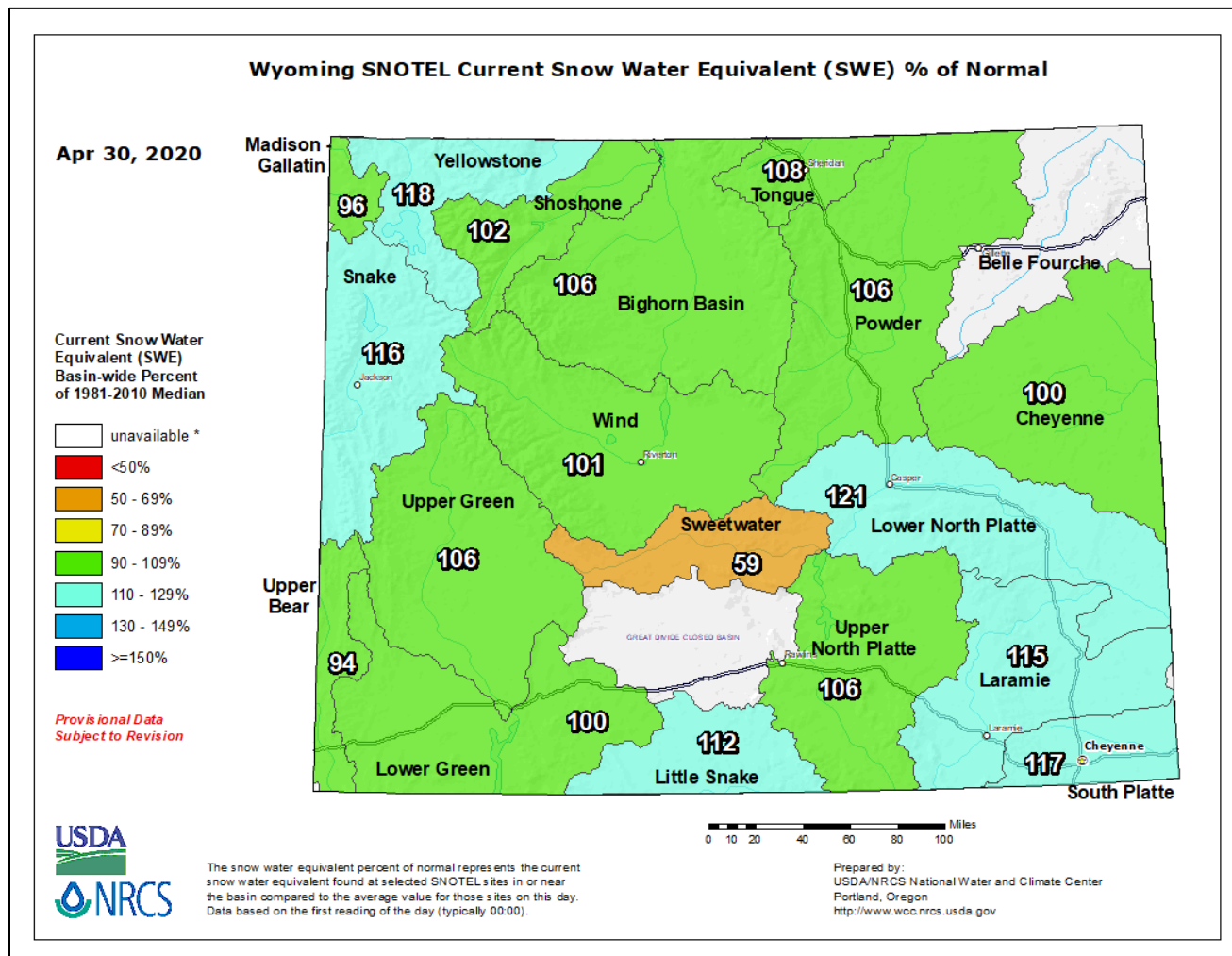


Generated 5/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

**Snow Water Equivalents/Mountain Snowpack:**

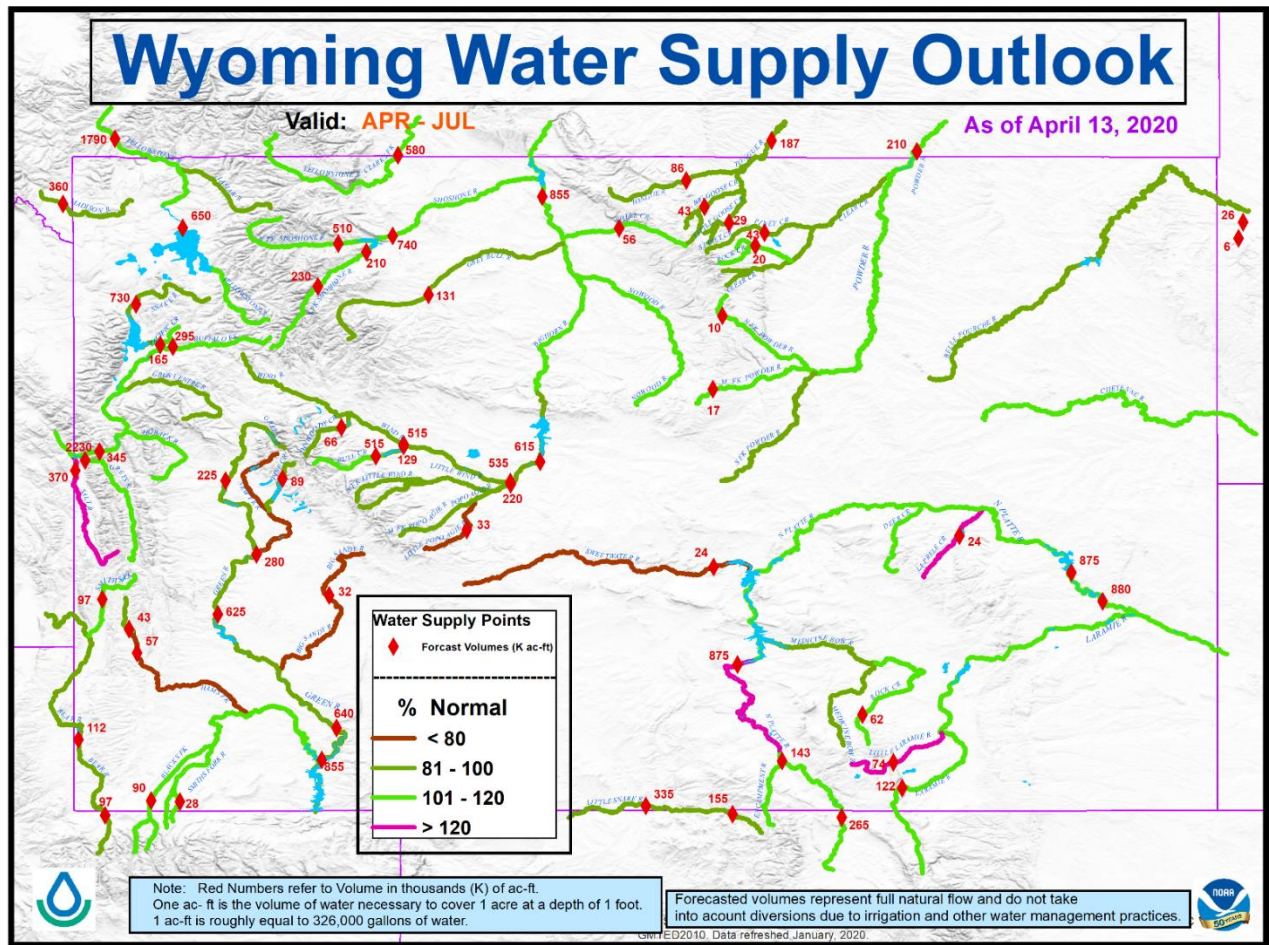
By the end of April, almost all major drainage basins in Wyoming generally had near normal to **above** normal mountain snowpack and/or snow water equivalent (SWE) averages.



## Water Supply/Spring Snowmelt Flood Outlooks:

As of early April, a majority of basins across Wyoming are still expected to have near normal streamflow volumes during the upcoming spring runoff. **Above average** streamflow volumes are forecasted for the Powder River, Upper North Platte, and Laramie Drainages; while **below** average streamflow volumes are still expected for the Sweetwater River and for portions of the Green and Little Wind River Watersheds.

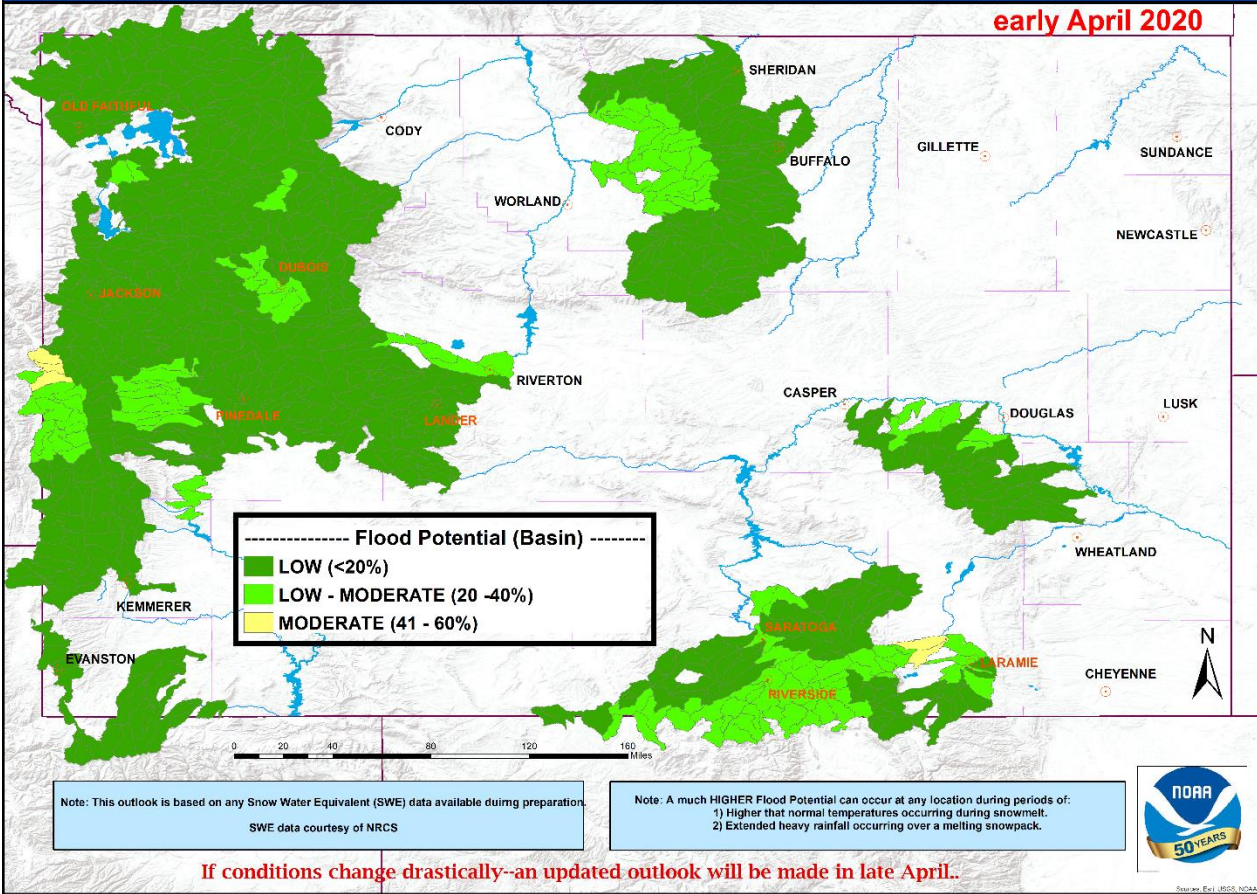




By early April, portions of the Little Laramie and Salt River Basins are still expected to see a **moderate** potential for spring snowmelt flooding. All other basins across Wyoming are forecasted to have generally a **low** potential for flooding due to snowmelt.

# Wyoming Spring Snowmelt Flood Potential Outlook

early April 2020

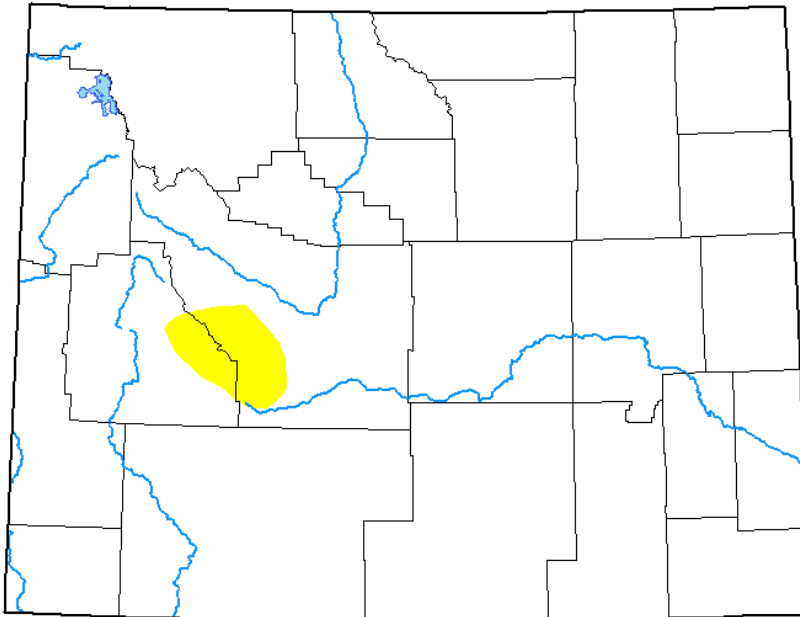


## Drought:

All major drainages in Wyoming continued to have minimal hydrologic drought conditions during April. No major changes to current drought conditions are forecasted through the summer.

# U.S. Drought Monitor Wyoming

**April 28, 2020**  
(Released Thursday, Apr. 30, 2020)  
Valid 8 a.m. EDT



**Intensity:**

- None
- 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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

**Author:**

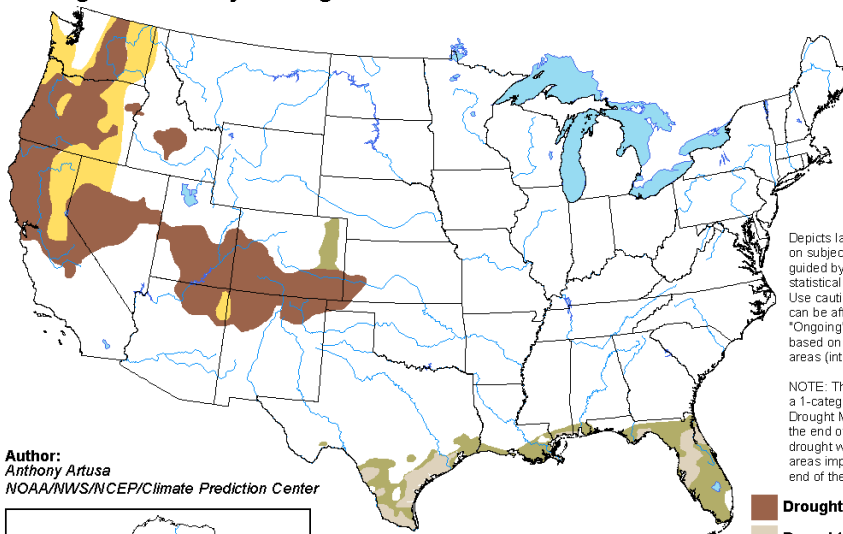
Deborah Bathke  
National Drought Mitigation Center



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

## U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

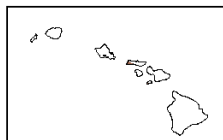
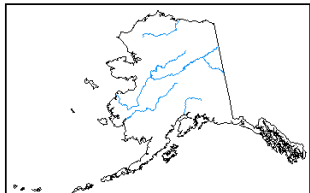
Valid for April 16 - July 31, 2020  
Released April 16



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

**Author:**  
Anthony Artusa  
NOAA/NWS/NCEP/Climate Prediction Center



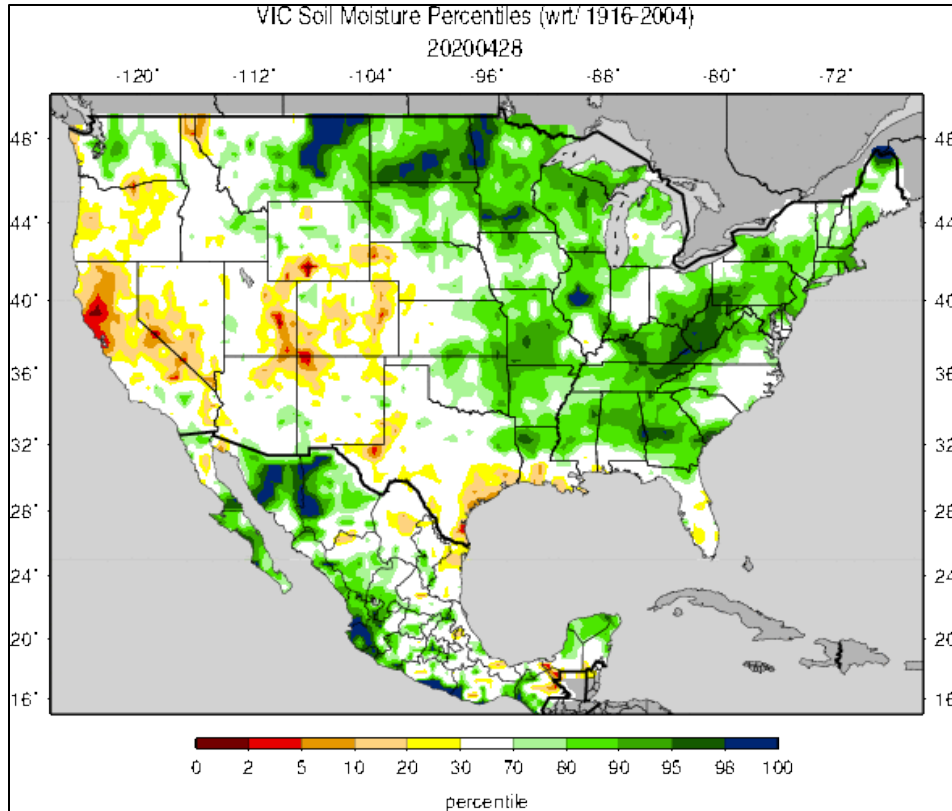
- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



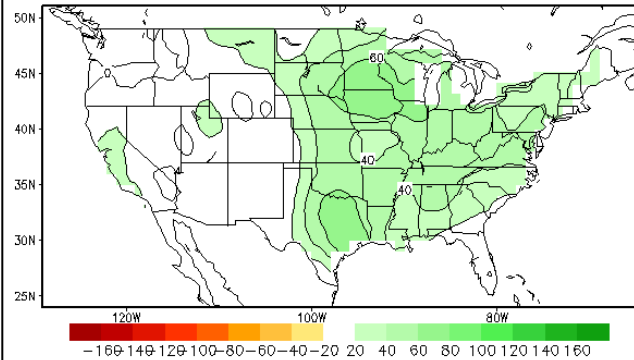
<http://go.usa.gov/3eZ73>



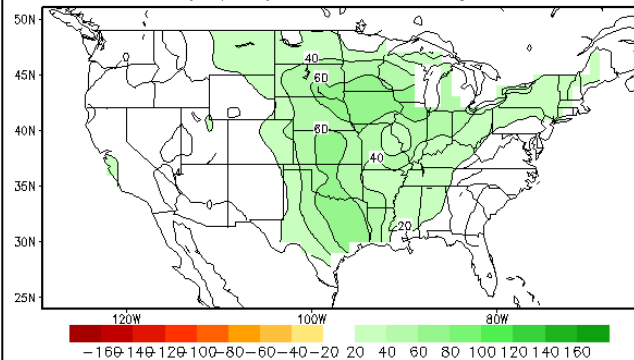
Somewhat **wet** soil conditions over northeastern Wyoming and portions of central Wyoming during April. **Dry** antecedent soil conditions over southern Wyoming during the month. No significant changes in soil moisture conditions are expected through the end of August.



Lagged Averaged Soil Moisture Outlook for End of JUN2019  
units: anomaly (mm), SM data ending at 20190505



Lagged Averaged Soil Moisture Outlook for End of AUG2019  
units: anomaly (mm), SM data ending at 20190505





**Early Spring Runoff Flooding:**

No reports of significant early spring runoff flooding.