

# Wyoming Basin & Water Supply Outlook Report

## May 1, 2021

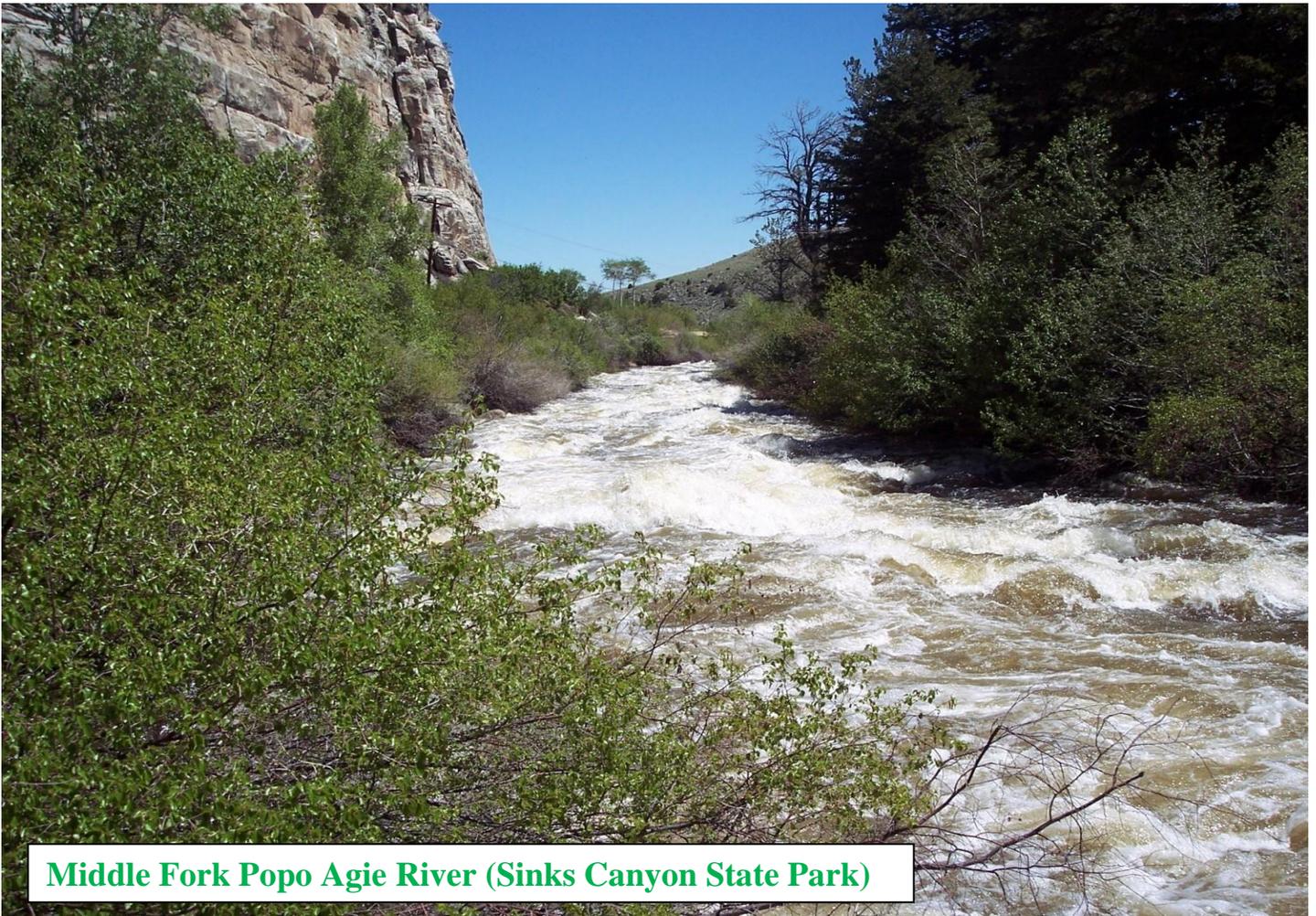


Photo courtesy of Wyoming NRCS hydrologist

# Basin Outlook Reports

## And

### Federal - State - Private Cooperative Snow Surveys

---

*For more Wyoming water supply information, contact:*

**Jim Fahey - Hydrologist**  
100 East "B" Street, Casper, WY 82601  
(307) 233-6787     james.fahey@usda.gov

---

#### *How forecasts are made*

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

---

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers. If you believe you experienced discrimination when obtaining services from USDA, participating in a USDA program, or participating in a program that receives financial assistance from USDA, you may file a complaint with USDA. Information about how to file a discrimination complaint is available from the Office of the Assistant Secretary for Civil Rights. USDA prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex (including gender identity and expression), marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, complete, sign, and mail a program discrimination complaint form, available at any USDA office location or online at [www.ascr.usda.gov](http://www.ascr.usda.gov), or write to: USDA Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW. Washington, DC 20250-9410 Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). USDA is an equal opportunity provider, employer, and lender. Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

# Hydrologic Discussion

Several basins east of the continental divide had **10** to **20** percent increases in snow water equivalents (SWEs) during April. Notably, the Lower North Platte, Powder, Tongue, and Bighorn Watershed's snowpack/SWE numbers were **120** to **135** percent of median by end of the month. However, SWE numbers across watersheds in western and southern Wyoming decreased by an average of **15** to **25** percent during the past month. The Upper Green and Upper Bear Drainages had end of April SWE averages that were **65** to **70** percent of median. Also, most of the low elevation snowpack (7,000-8,500 feet) had already melted out across basins in western and southern Wyoming by the end of April.

Except for the Bighorn and Tongue Basins, most basins in Wyoming had **below** average precipitation totals during April. Notably, the Little Snake, Upper North Platte, and Snake Watersheds only recorded **35** to **50** percent of average precipitation during the month. Additionally, current water year precipitation totals are still **below** average for majority of basins in Wyoming—especially along basins in western and southern Wyoming.

Reservoirs across Wyoming continue to average near **75%** of capacity. Last year at this time Wyoming reservoirs were around **75 - 80%** of capacity. Reservoir storages have remained around **110%** of average through early spring.

**Severe** to **extreme** hydrologic drought conditions have decreased in areal coverage across central through eastern Wyoming during the past four months; however, **severe** hydrologic drought conditions have increased in areal coverage in far western Wyoming during the past two months. Water Year 2021 started out with dry to very dry antecedent soil and precipitation conditions throughout most of Wyoming. There was also below normal baseflows for several streams in central through southern Wyoming in early Water Year 2021. The outlook for the rest of spring into early summer is for warmer than average as well as drier than average basin conditions.

April streamflows across basins in southwestern to northeastern Wyoming were **below** normal; while basins in central through northeastern Wyoming had near normal streamflows. Earlier than normal runoff is expected to continue across basins west of the continental divide with **below** to **much below** average runoff volumes. Runoff volumes are also expected to be **below** average for many drainages east of the continental divide. The Powder and Tongue Basins are forecasted to have **above** average runoff volumes during the rest of the spring into early summer.

Snowpack and basin hydrological conditions for many basins in Wyoming continue to be very similar to what occurred Water Years 2012 and 2013. Spring runoff volumes during those water years were the lowest in the past decade.

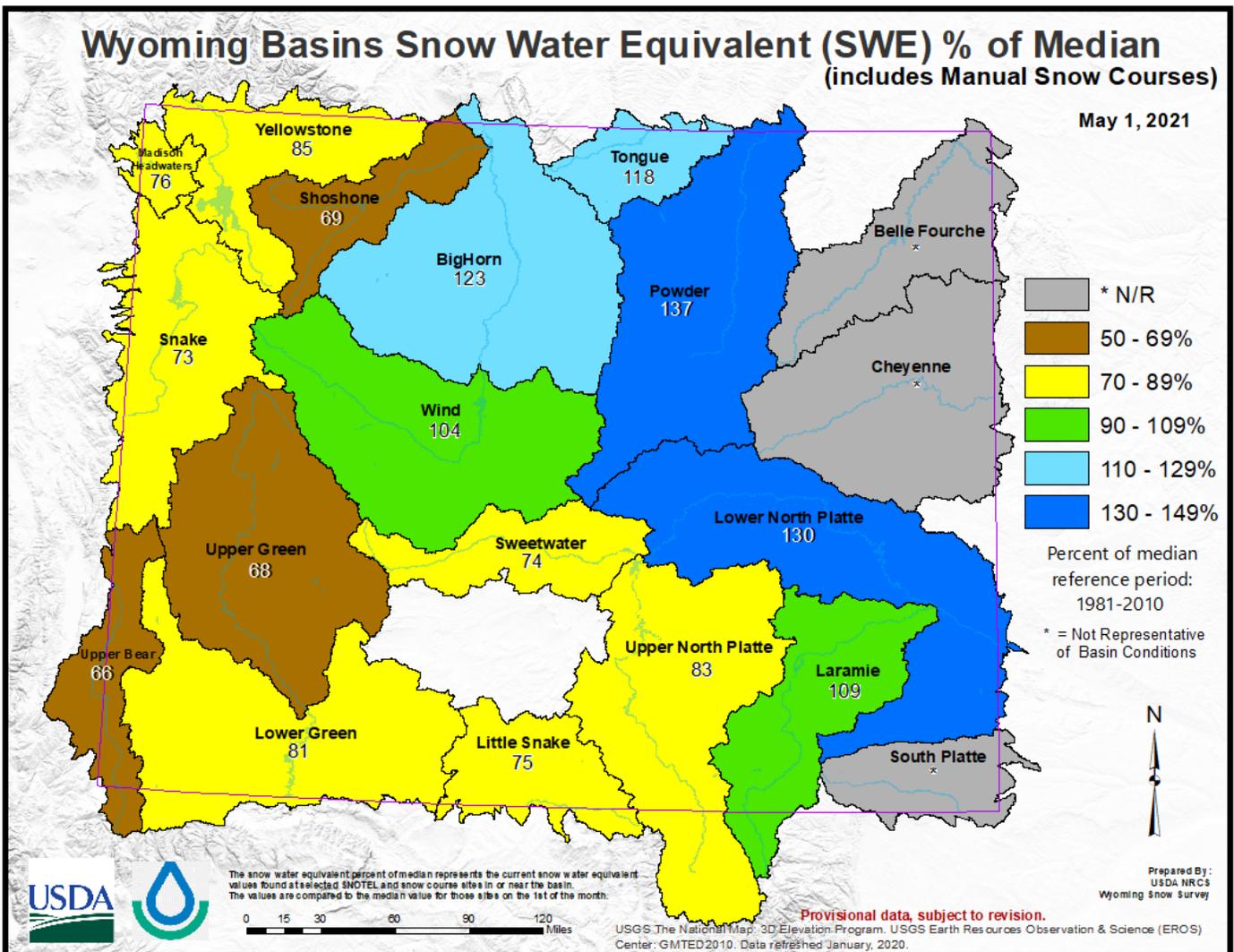
The final amount of spring runoff—especially across basins along the eastern half of Wyoming—is highly dependent on the amount and timing of precipitation in May into early June. Expect much higher flows and drastic increases in runoff volumes during a rapid warmup followed by a rain on a melting snowpack. Water planners need to keep abreast of the latest spring runoff forecasts and the latest weather trends for the rest of the spring into early summer.

# Summary

- Wyoming continued to see **below** percent of median (near **90%**) of snowpack and/or snow water equivalents (SWEs) through late April.
- Precipitation totals across Wyoming for April were **below** (about **70%**) average. Water year precipitation continues to be **below** (near **90%**) average.
- Reservoirs across Wyoming were averaging near **75%** of capacity with **76%** of capacity reported last year. Overall reservoir storages for late April continue to be **above average**.
- State-wide stream flow snowmelt volumes for May - July are forecasted to be generally **below** average at around **80%**.

## Snowpack/SWEs

Snow water equivalents (SWEs) across Wyoming for May 1<sup>st</sup> were near **90%** of median. SWEs along the Powder and Lower North Platte River Basins were the highest at **130** to **135%** of median, while SWEs along the Upper Bear River Basin were the lowest at near **65%** of median. Last year, SWEs across the state were near **105%** of median. (For complete tabular data, see Appendix)

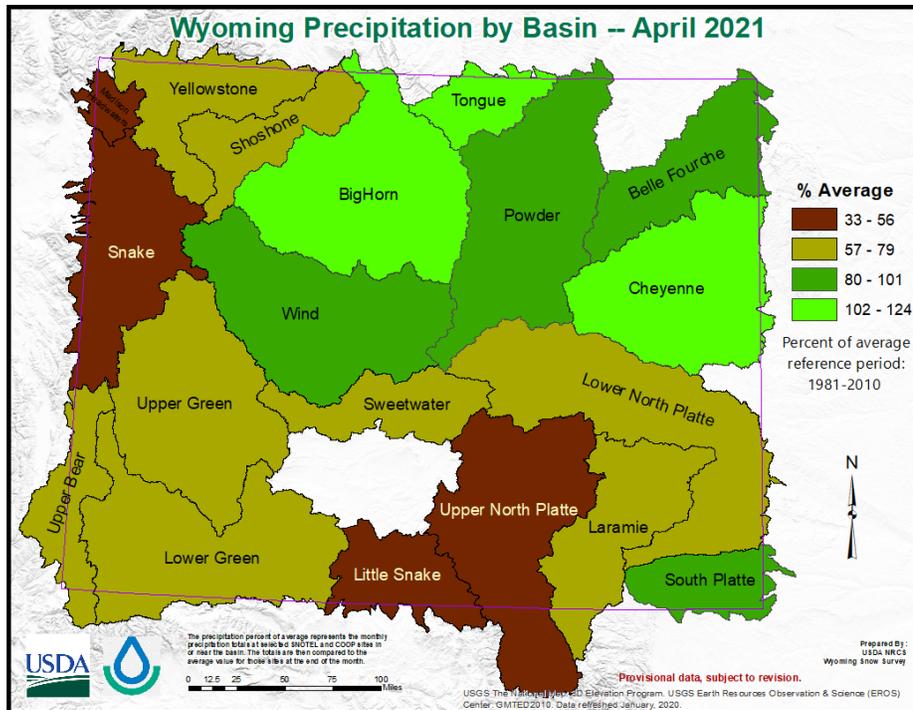


Map 1. Wyoming SWEs—May 1, 2021.

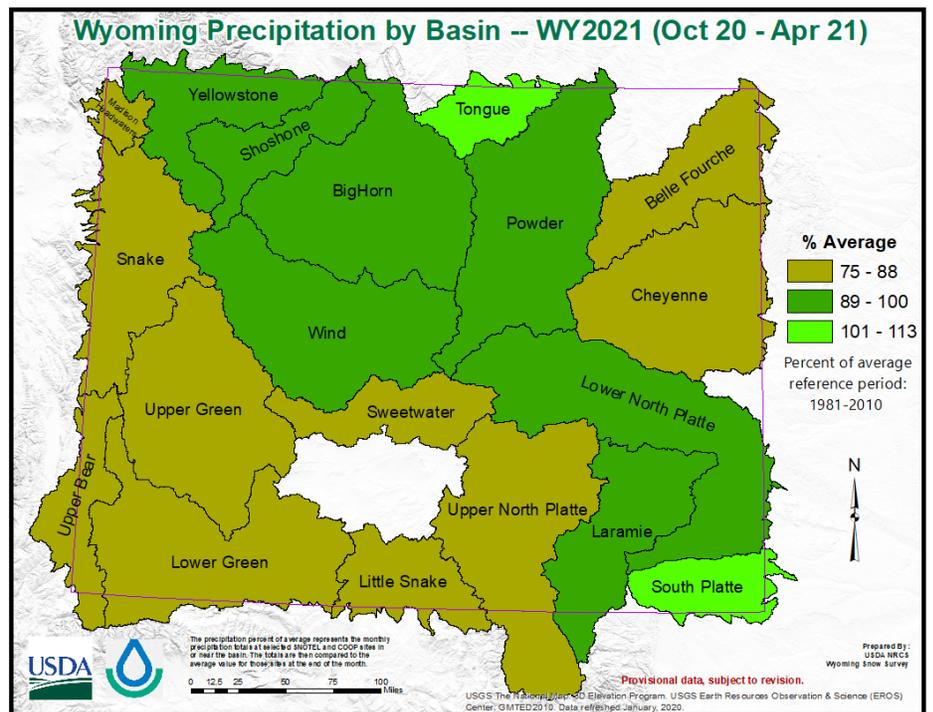
# Precipitation

Basin precipitation across Wyoming was near **70%** of average during April. The Tongue River Basin had the highest precipitation totals for the month at near **125%** of average. The Snake River Basin had the lowest precipitation amount at near **35%** of average. Water year precipitation (October - April) is currently about **90%** of average.

(See Appendix for complete tabular data.)



Map 2. Current monthly precipitation by basin.



Map 3. Water year to date precipitation by basin.

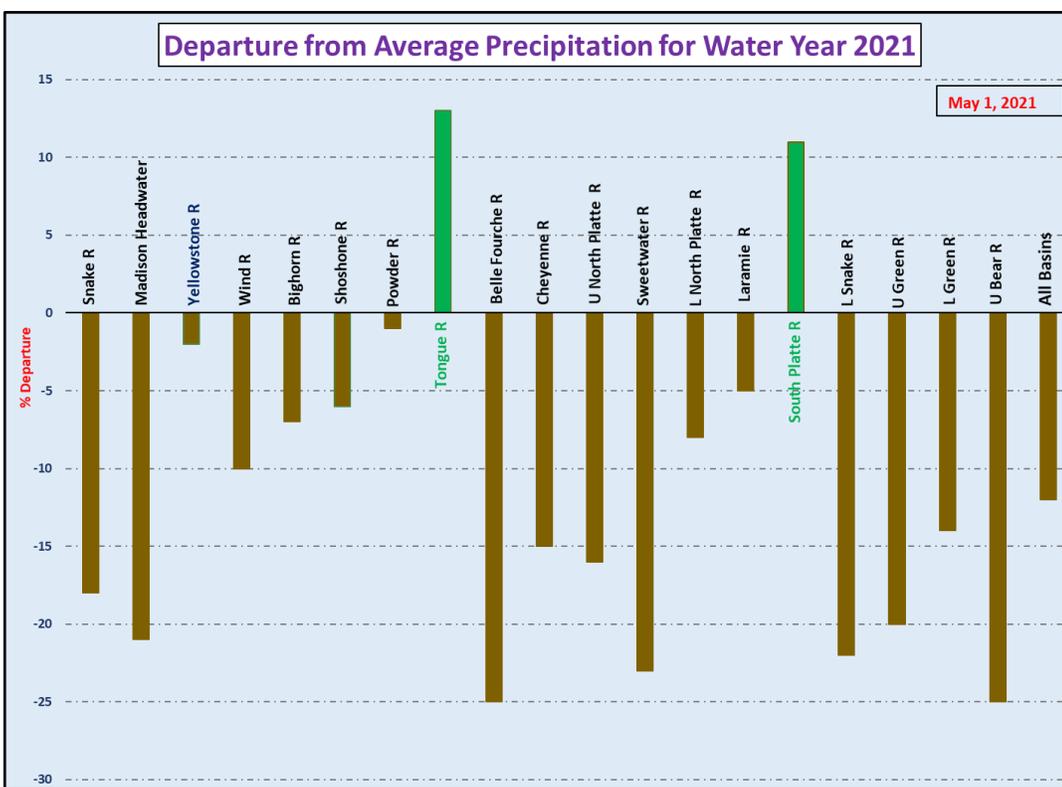


Chart 1. Departure from average precipitation (water year).

## Reservoirs

Reservoirs across Wyoming were averaging near **75%** of capacity--down slightly from **76%** of capacity last year. Overall reservoir storages for late April continued to be **above** average at **112%** (**114%** last year). The highest average reservoir storage was across the Tongue River Basin at near **165%**. The Upper Bear River Basin had the lowest average reservoir storage at near **60%**.

(See Appendix for complete tabular data.)

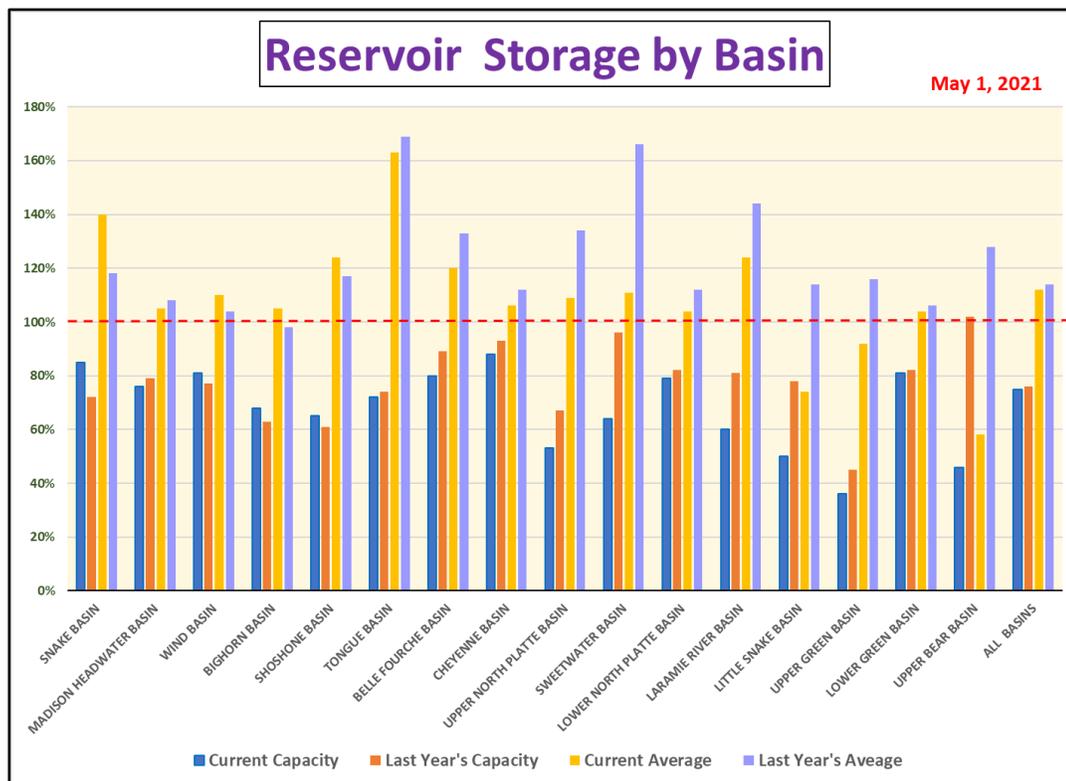


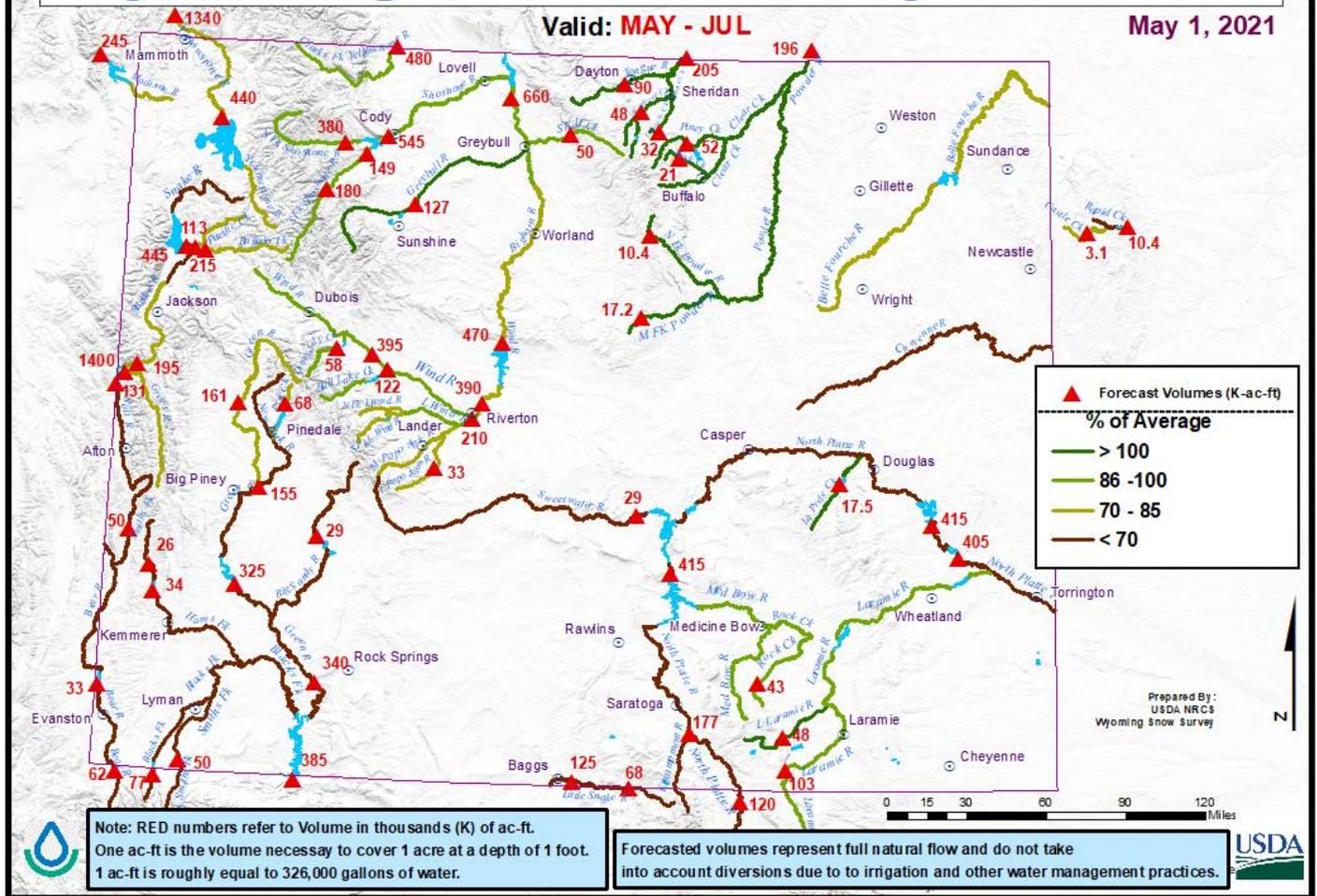
Chart 2. Reservoir storage by basin.



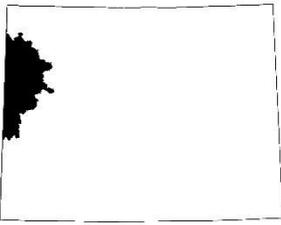
# Wyoming Water Supply Outlook

Valid: **MAY - JUL**

May 1, 2021



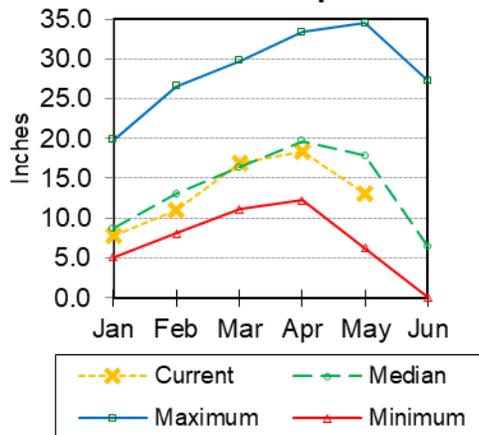
Map 4. Wyoming water supply outlook—May 1, 2021.



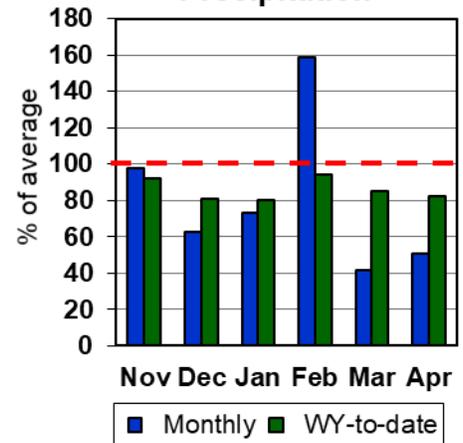
# Snake River Basin

- The overall Snake River Basin SWE is near **75%** of median.
- Last month's precipitation for the Snake River Basin was near **50%** of average. Water-year-to-date precipitation is near **80%** of average.
- Current reservoir storage is near **140%** of average for the three main reservoirs in the basin.
- The streamflow forecasts for May through July are **below** average (**70%**) for this basin.

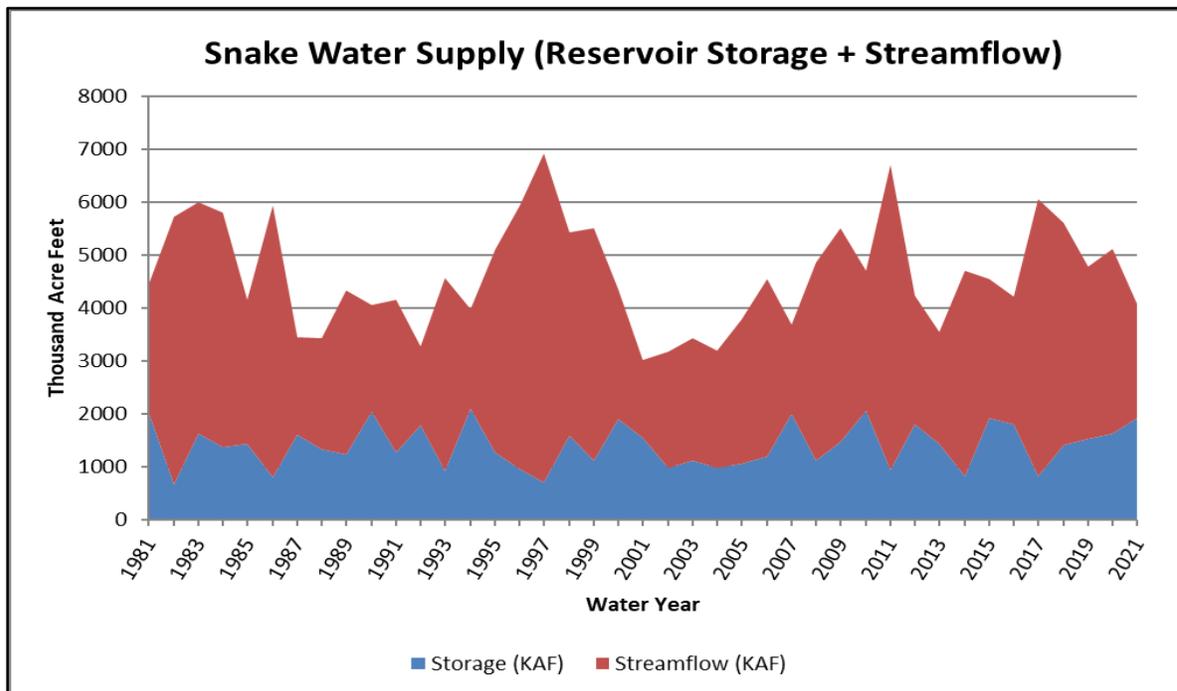
**Snake River Basin  
Snow Water Equivalent**



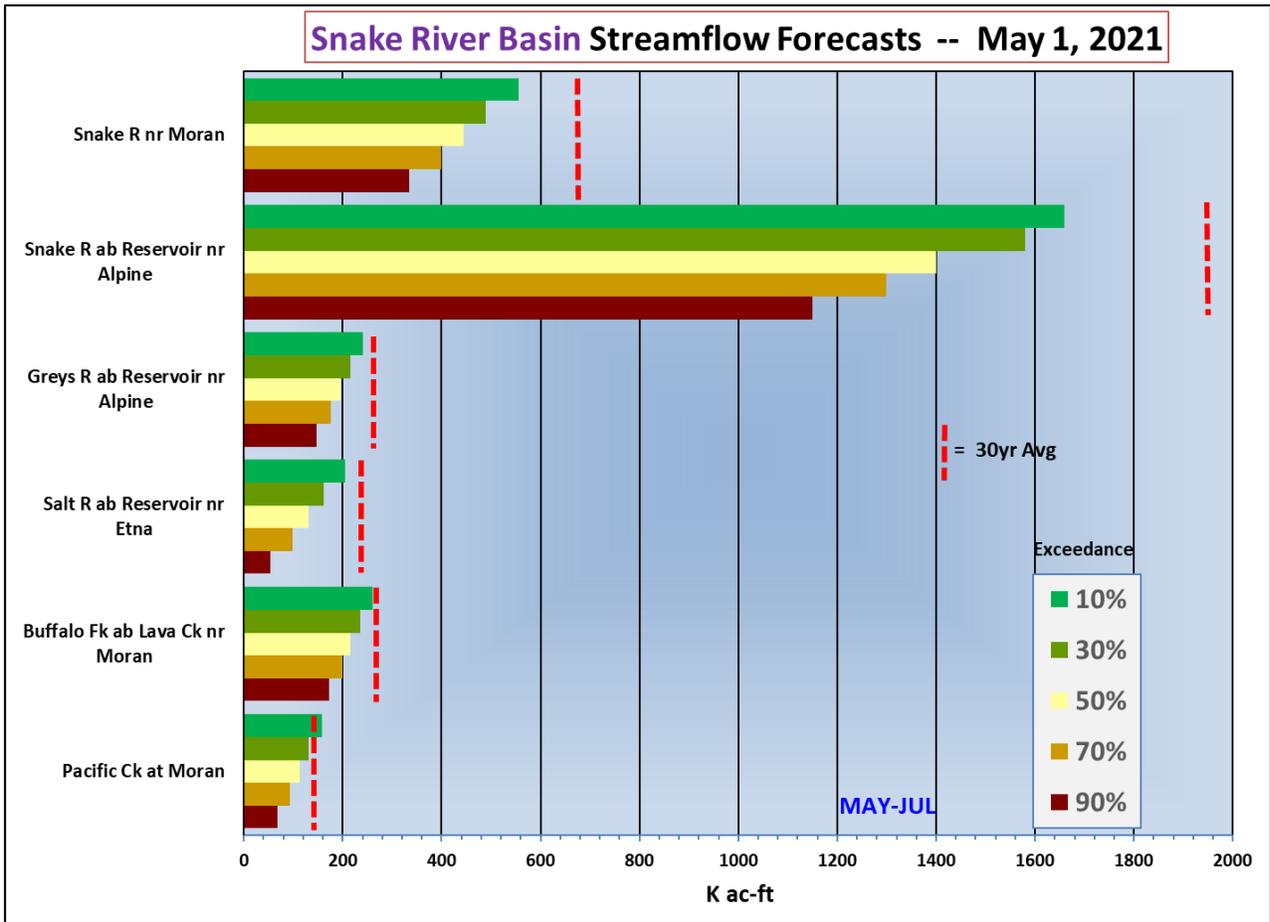
**Snake River Basin  
Precipitation**

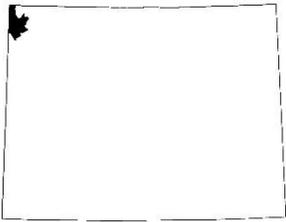


**Snake Water Supply (Reservoir Storage + Streamflow)**



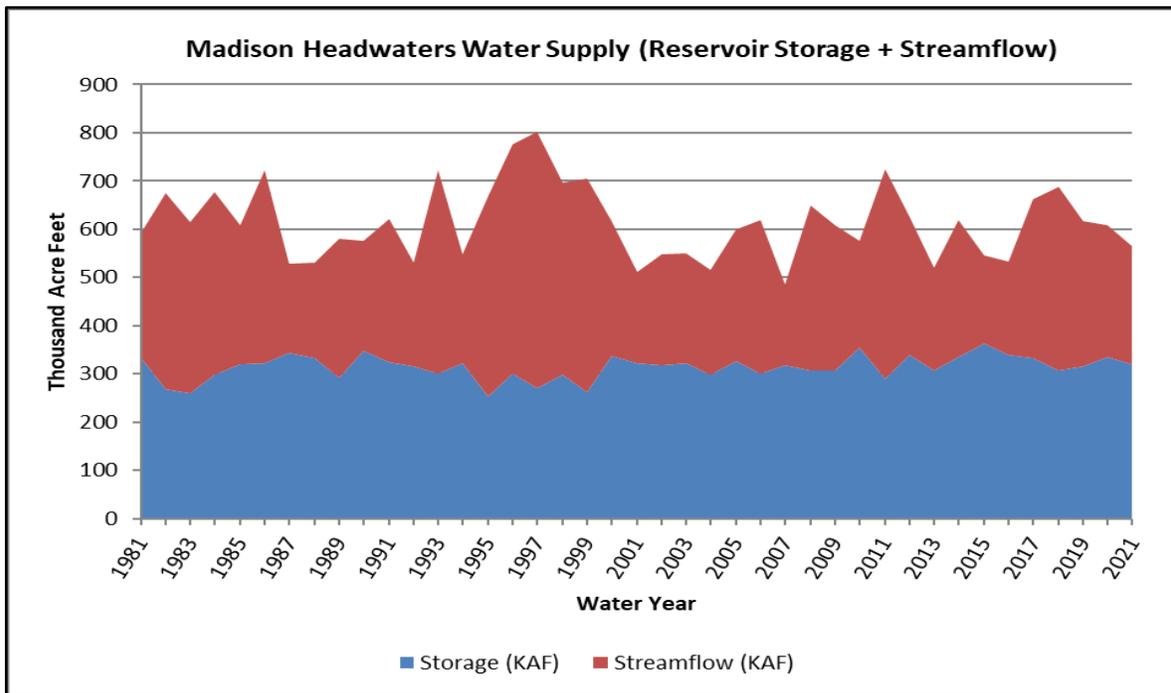
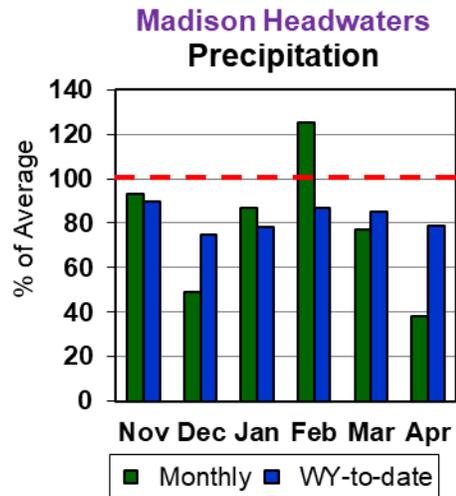
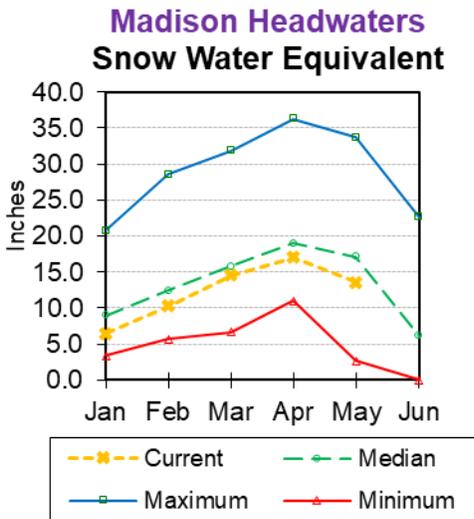
## Snake River Basin Streamflow Forecasts -- May 1, 2021



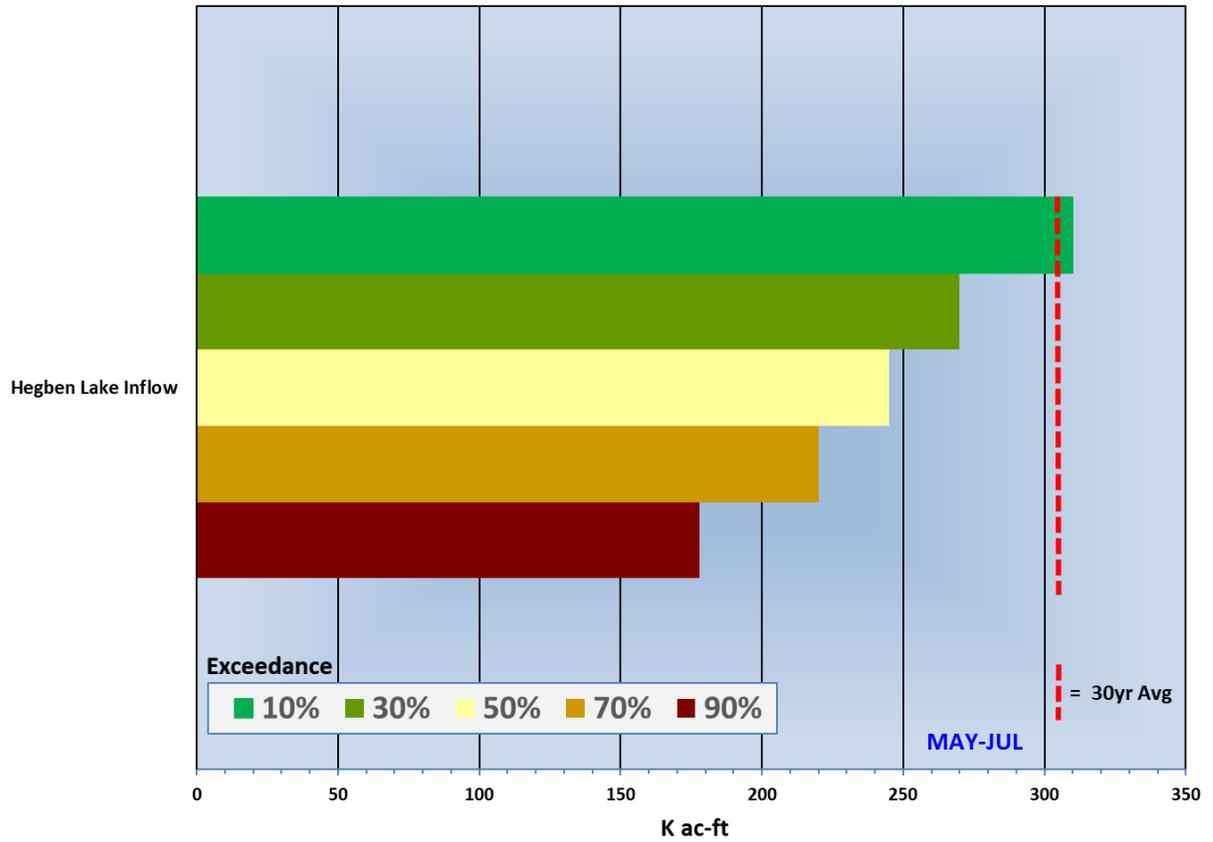


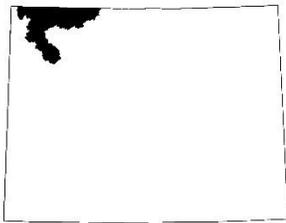
# Madison Headwaters Basin

- The overall Madison Headwaters Basin SWE is around **75%** of median.
- Last month's precipitation for the Madison Headwaters River Basin was near **40%** of average. Water-year-to-date precipitation is around **80%** of average.
- Current reservoir storage is near **105%** of average for one main reservoir in the basin.
- Hebgen Reservoir inflows (May-July) are forecasted to be **below** average at **80%**.



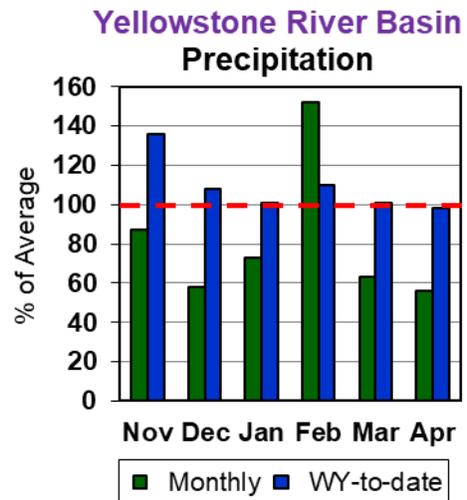
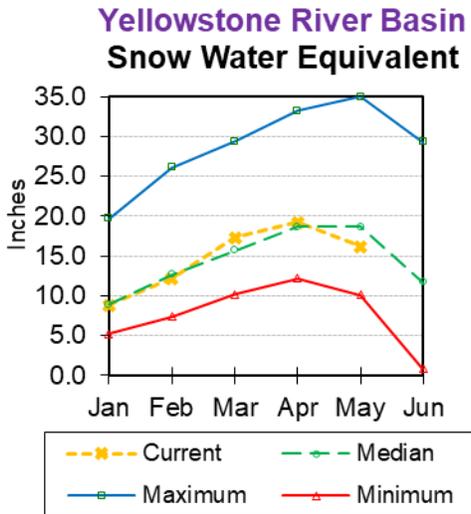
### Madison Headwaters Streamflow Forecast -- May 1, 2021



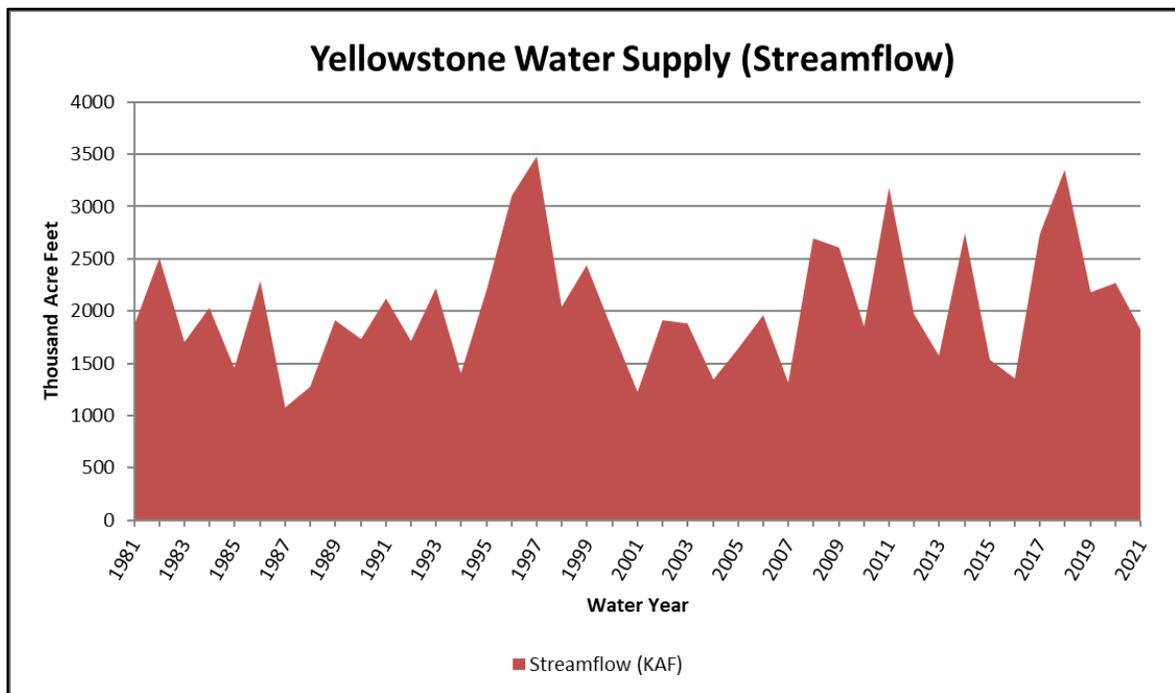


# Yellowstone River Basin

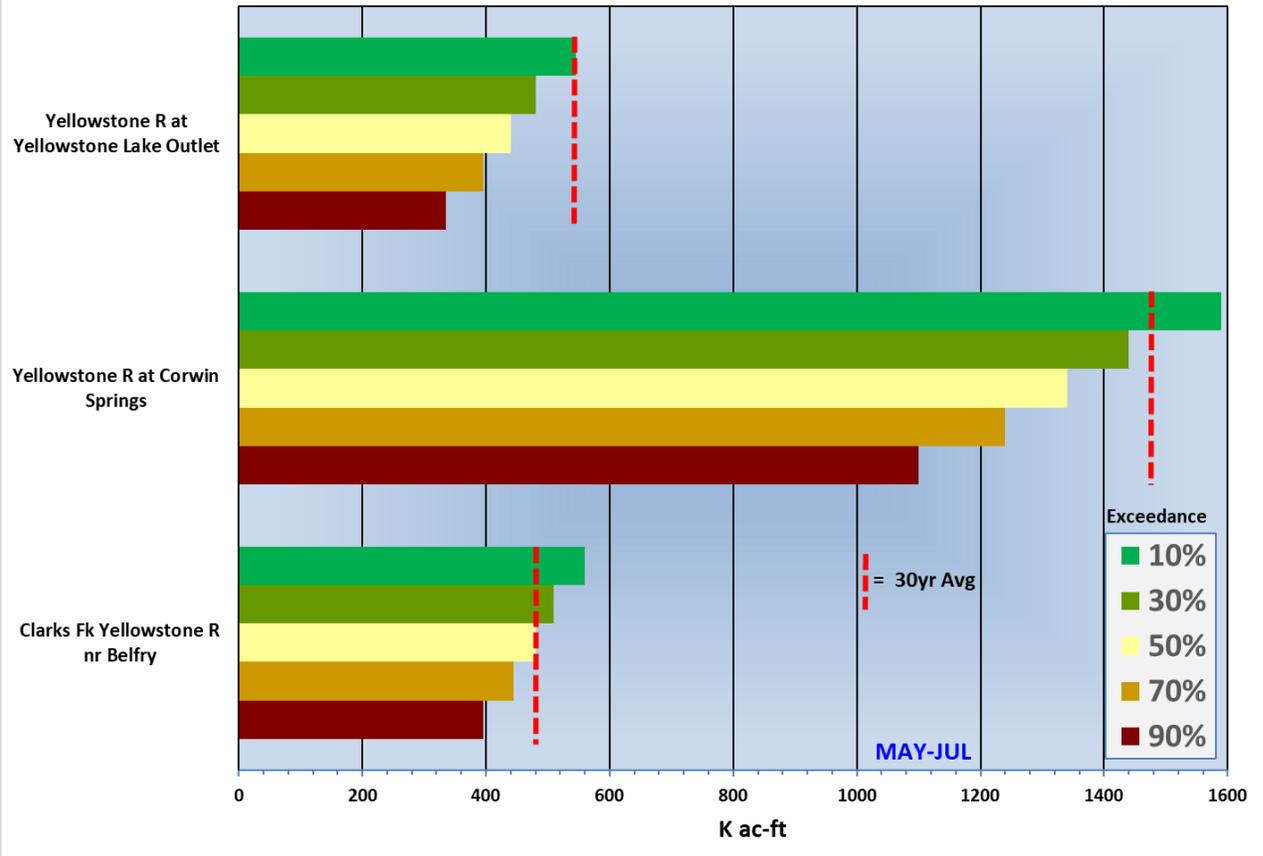
- The overall Yellowstone River Basin SWE is near **85%** of median.
- Last month's precipitation for the Yellowstone River Basin was near **55%** of average. Water-year-to-date precipitation is near **100%** of average.
- The 50% exceedance forecasts for May through July are **below** average (**91%**) for this basin. Clarks Fork near Belfry is forecasted to have flows at **100%** of average.

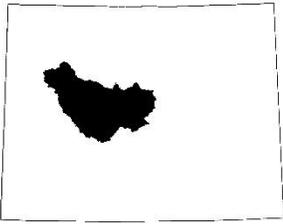


No reservoir data for the basin.



## Yellowstone River Basin Streamflow Forecasts -- May 1, 2021

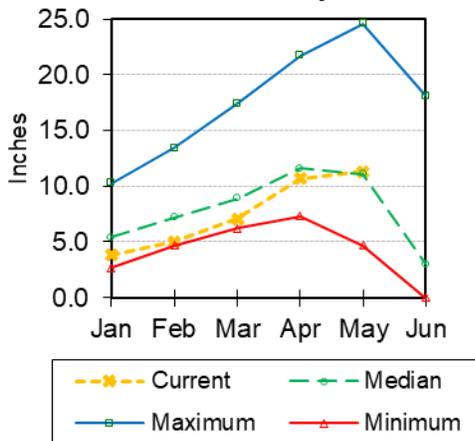




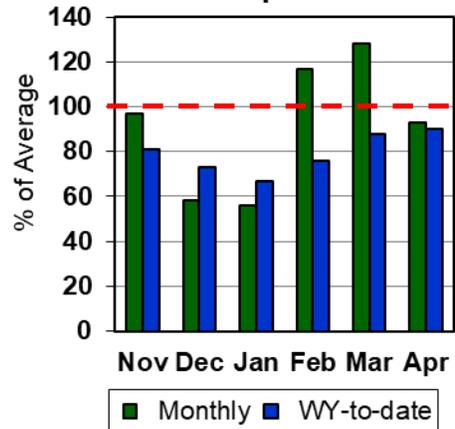
# Wind River Basin

- The overall Wind River Basin SWE is near **105%** of median.
- Last month's precipitation for the Wind River Basin was near **95%** of average. Water-year-to-date precipitation is around **90%** of average.
- Current reservoir storage is near **110%** of average for the three main reservoirs in the basin.
- The streamflow forecasts for May through July are **below** average (**88%**) for this basin.

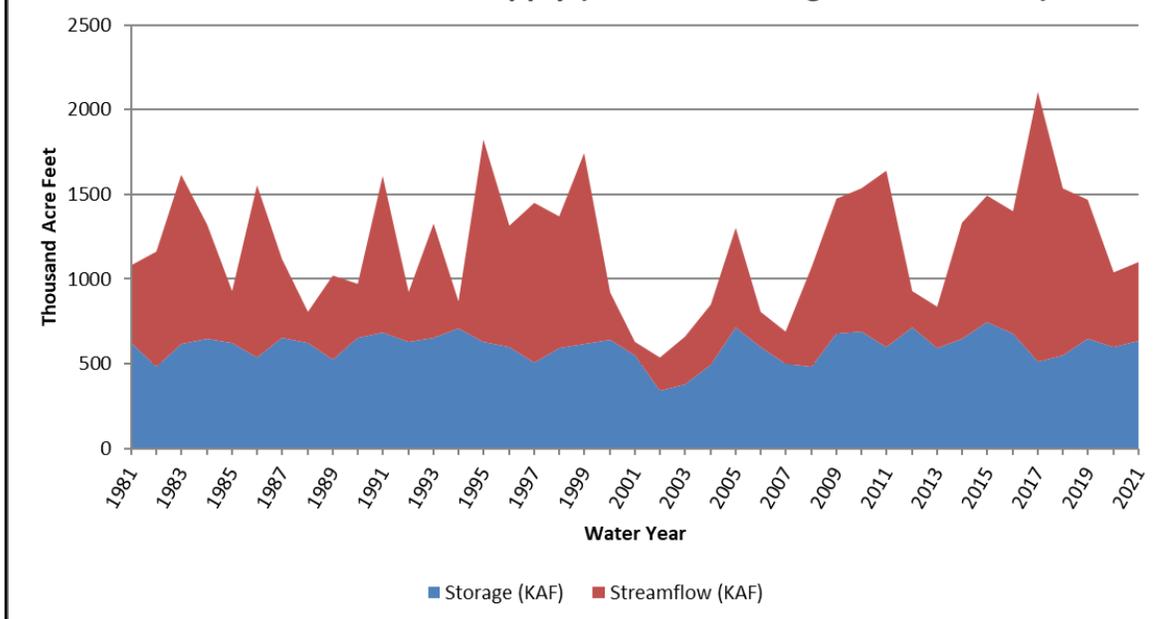
**Wind River Basin  
Snow Water Equivalent**



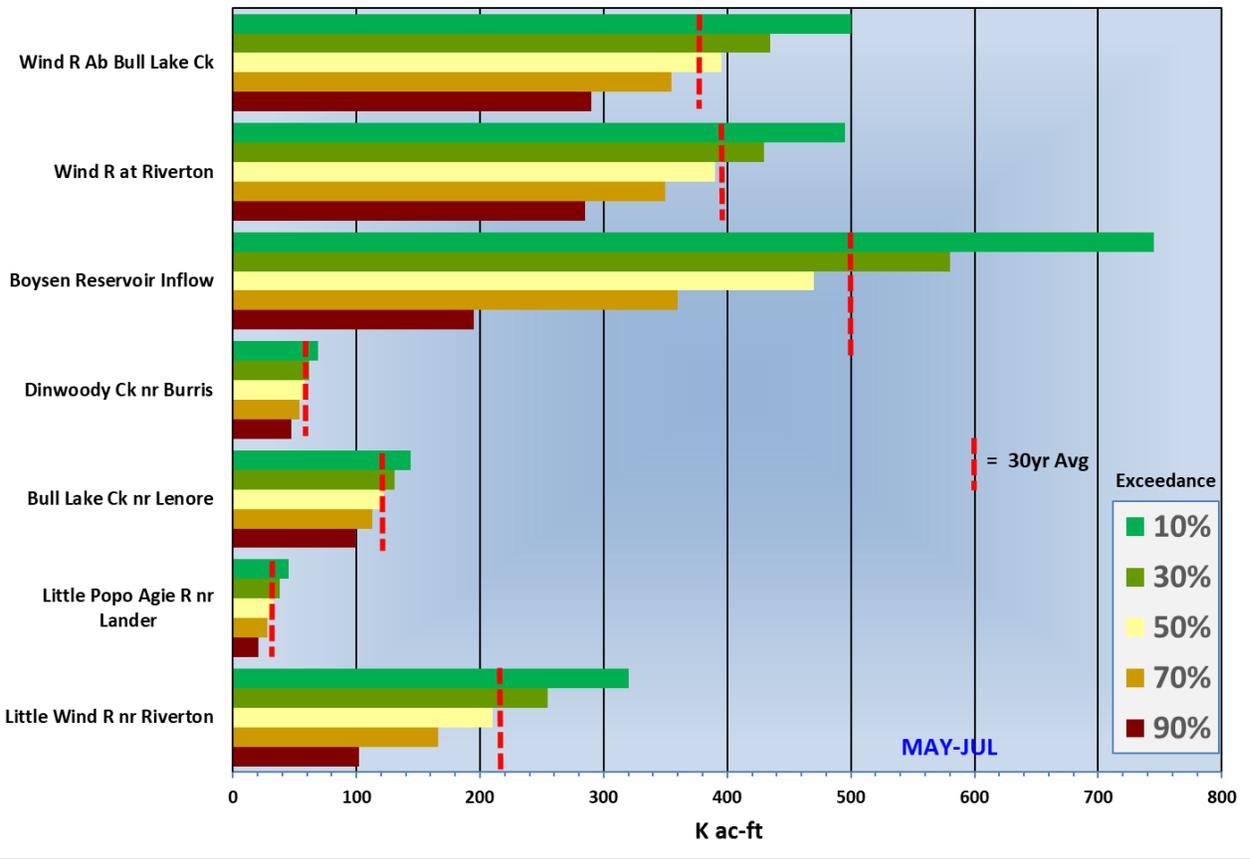
**Wind River Basin  
Precipitation**

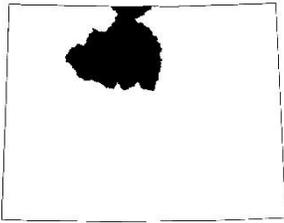


**Wind River Water Supply (Reservoir Storage + Streamflow)**



## Wind River Basin Streamflow Forecasts -- May 1, 2021

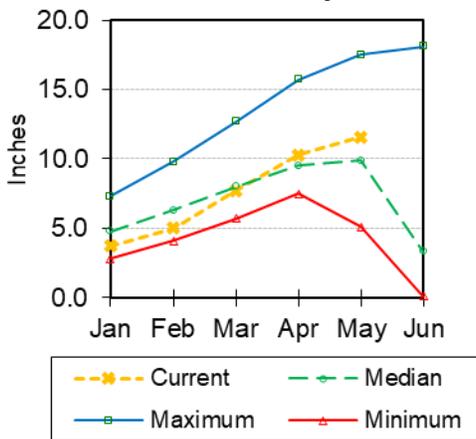




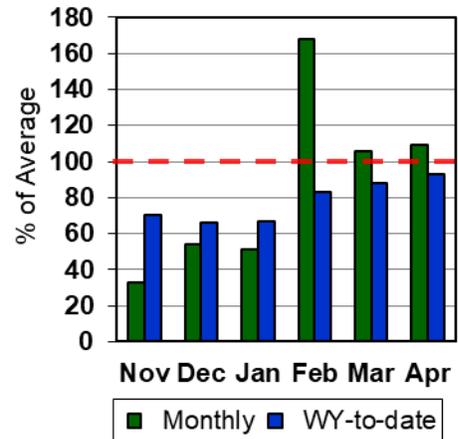
# Bighorn River Basin

- The overall Bighorn River Basin SWE is near **125%** of median.
- Last month's precipitation for the Bighorn River Basin was near **110%** of average. Water-year-to-date precipitation is **90 to 95%** of average.
- Current reservoir storage is near **105%** of average for the two main reservoirs in the basin.
- The 50% exceedance forecasts for May through July are **below** average (**95%**) for this basin. Greybull River at Meeteetse is forecasted to have flows at **102%** of average.

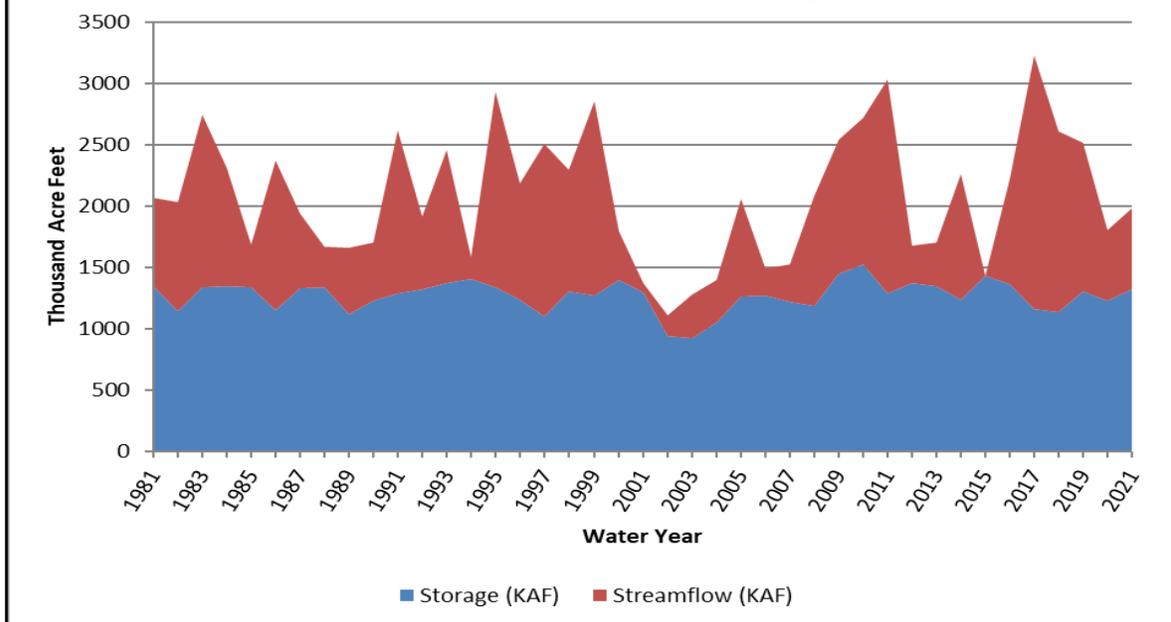
**Bighorn River Basin  
Snow Water Equivalent**



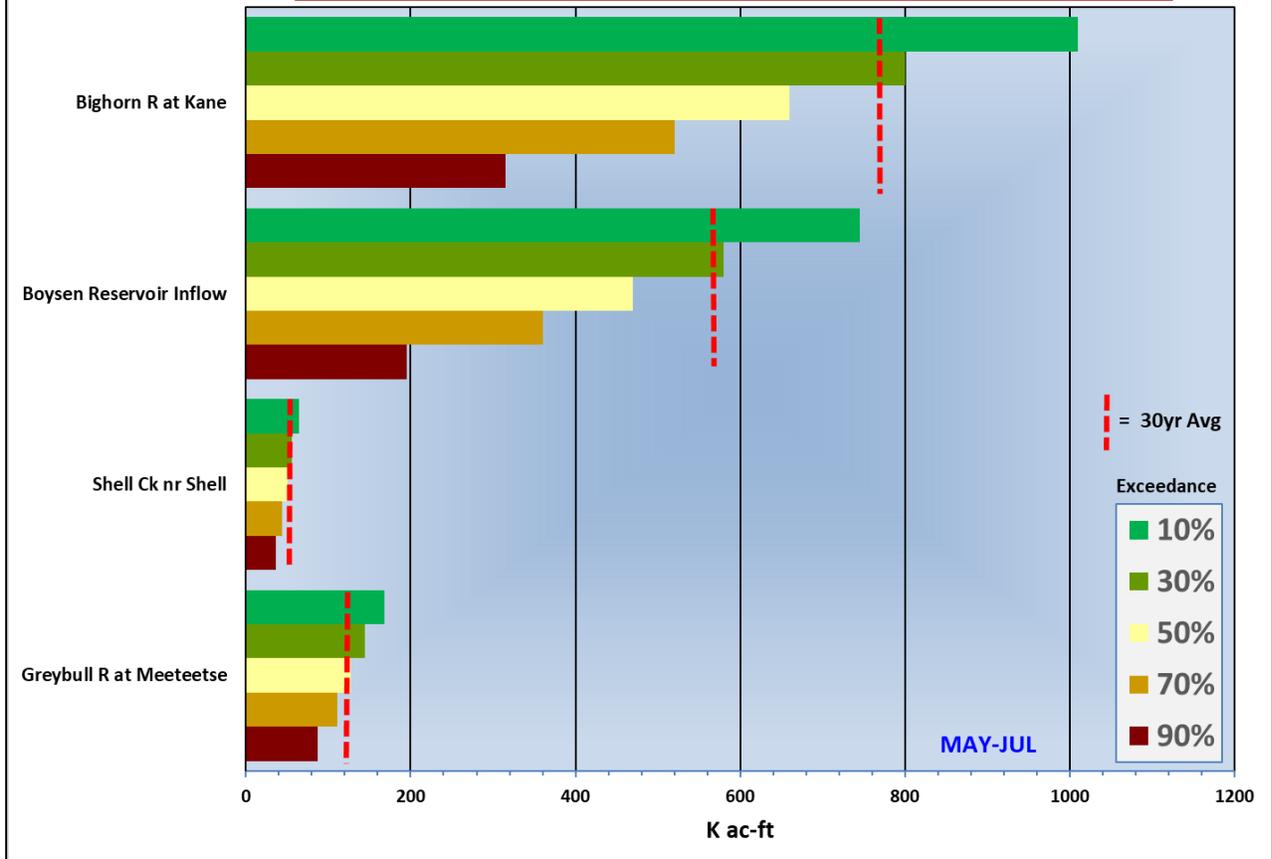
**Bighorn River Basin  
Precipitation**

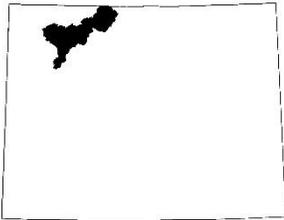


**Big Horn Water Supply (Reservoir Storage + Streamflow)**



### Bighorn River Basin Streamflow Forecasts -- May 1, 2021

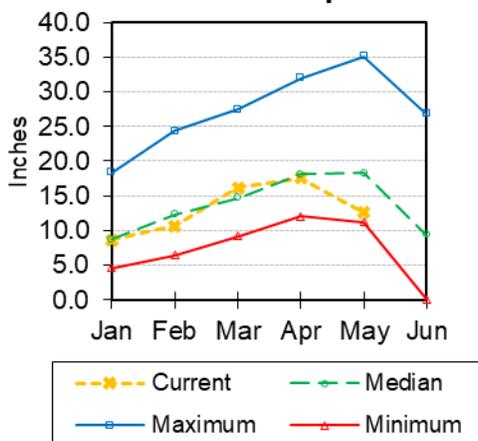




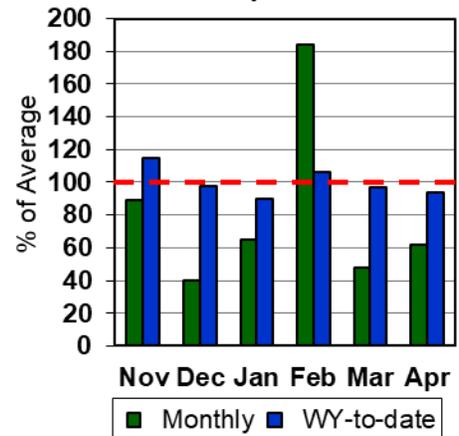
# Shoshone River Basin

- The overall Shoshone River Basin SWE is close to **70%** of median.
- Last month's precipitation for the Shoshone River Basin was near **60%** of average. Water-year-to-date precipitation is around **95%** of average.
- Current reservoir storage is near **125%** of average for one main reservoir in the basin.
- Streamflow forecasts for May through July are **below** average (**87%**) for this basin.

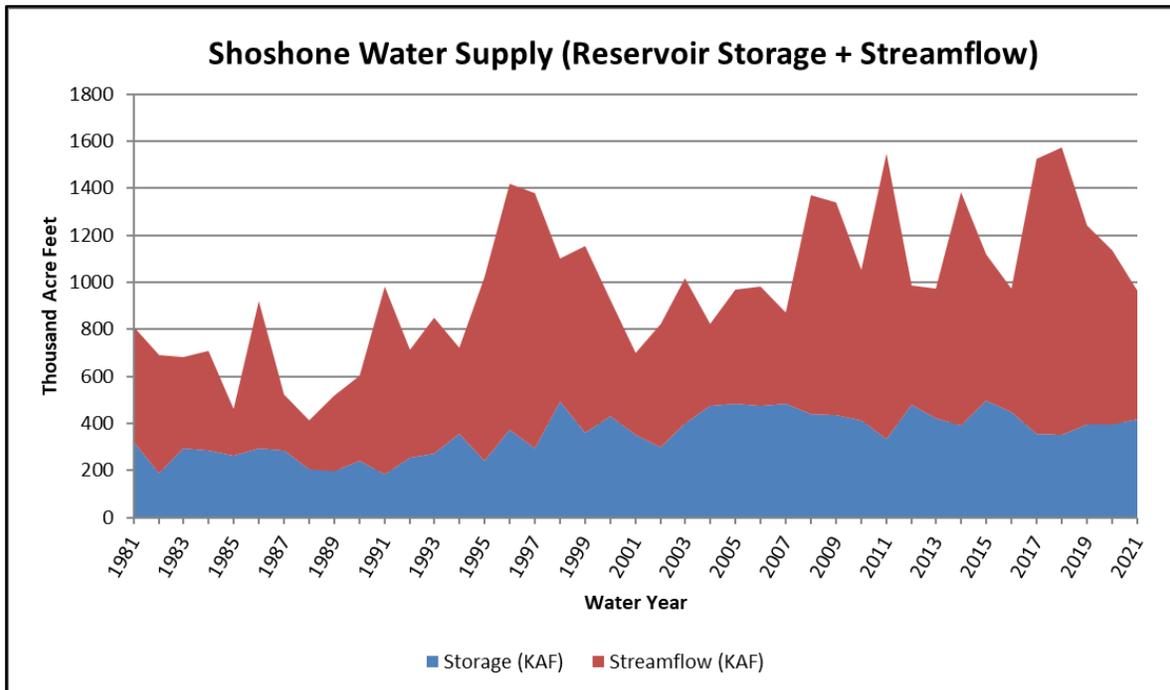
**Shoshone River Basin  
Snow Water Equivalent**



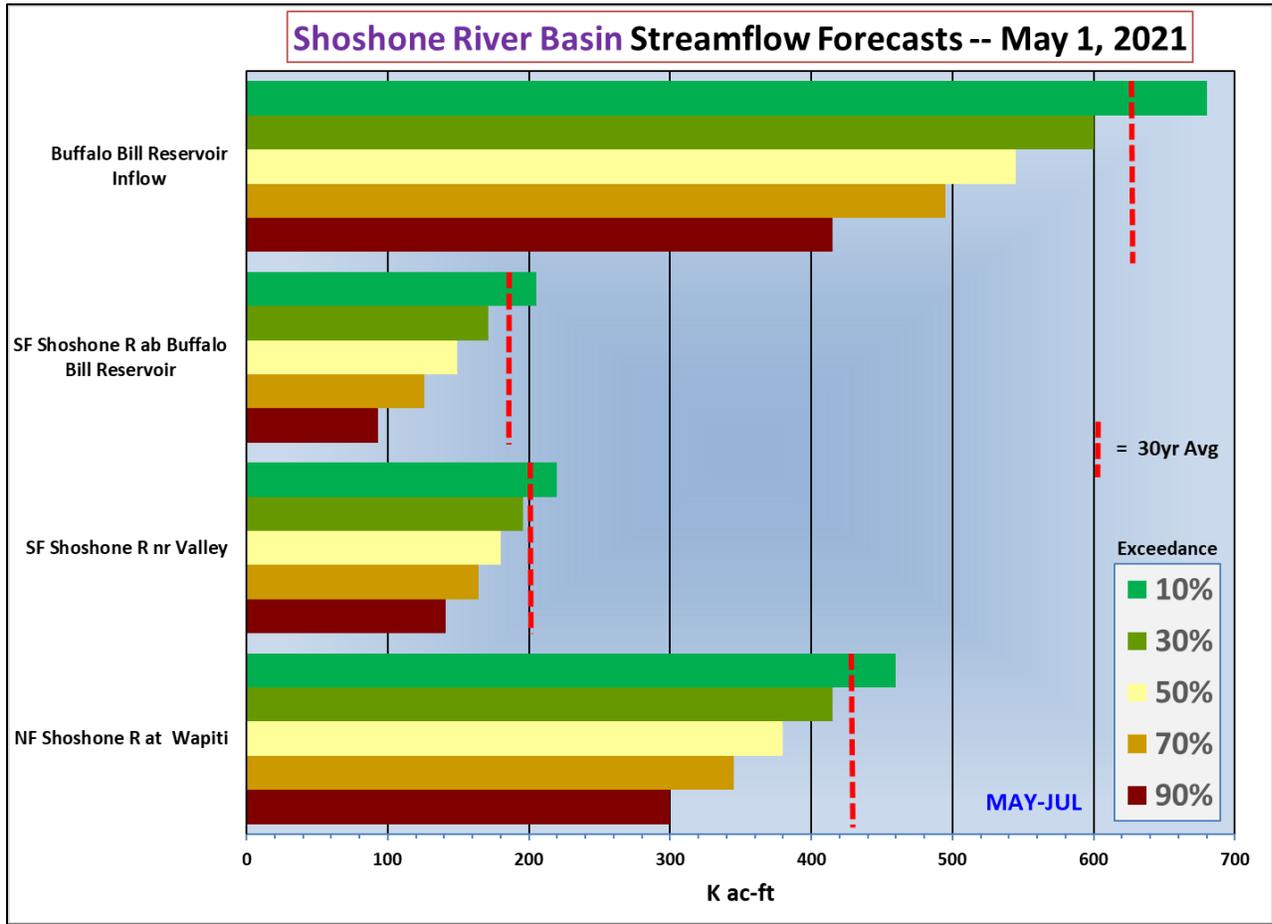
**Shoshone River Basin  
Precipitation**

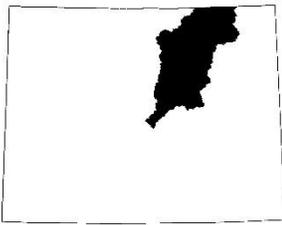


**Shoshone Water Supply (Reservoir Storage + Streamflow)**



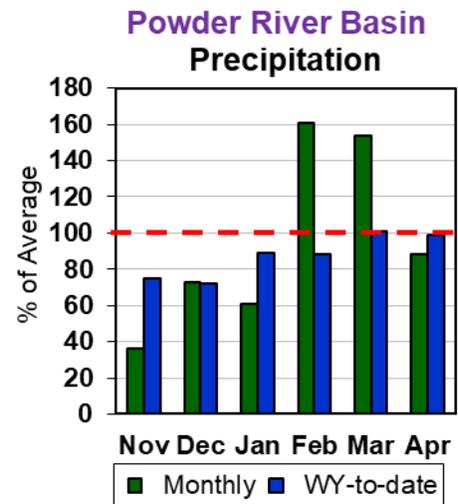
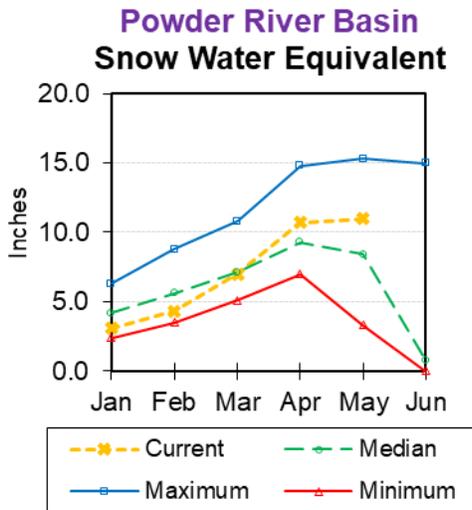
## Shoshone River Basin Streamflow Forecasts -- May 1, 2021



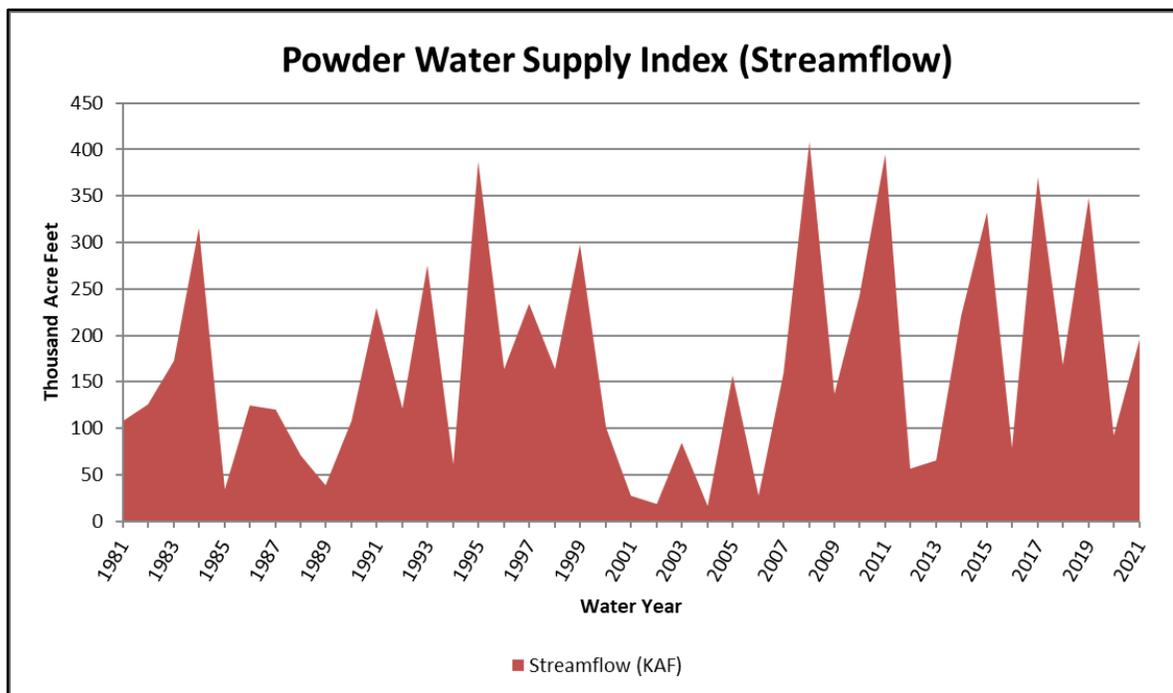


# Powder River Basin

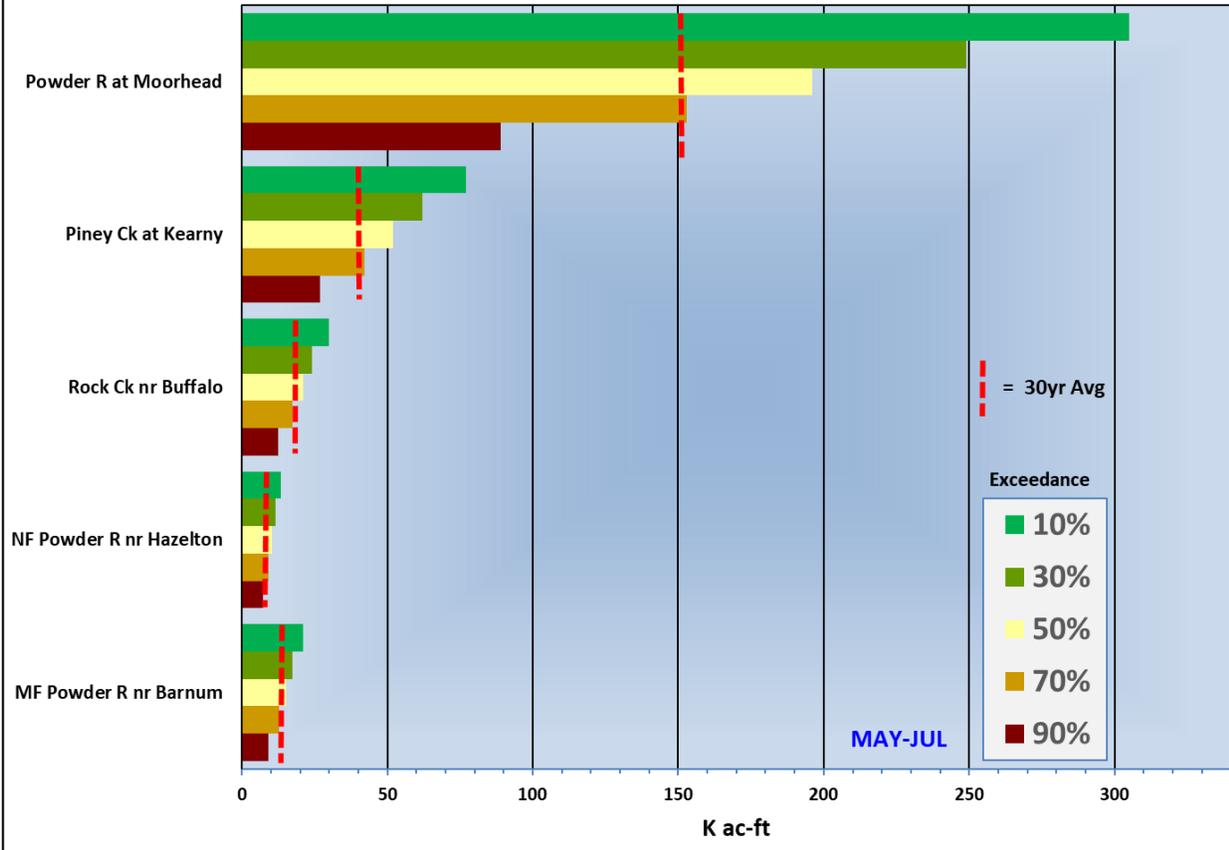
- The overall Powder River Basin SWE is near **135%** of median.
- Last month's precipitation for the Powder River Basin was near **90%** of average. Water-year-to-date precipitation is near **100%** of average.
- The 50% exceedance forecasts for May through July are **above** average (**123%**) for this basin. Piney Creek at Kearney is expected to have flows at **130%** of average.

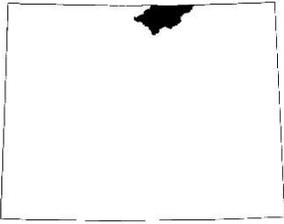


No reservoir data for the basin.



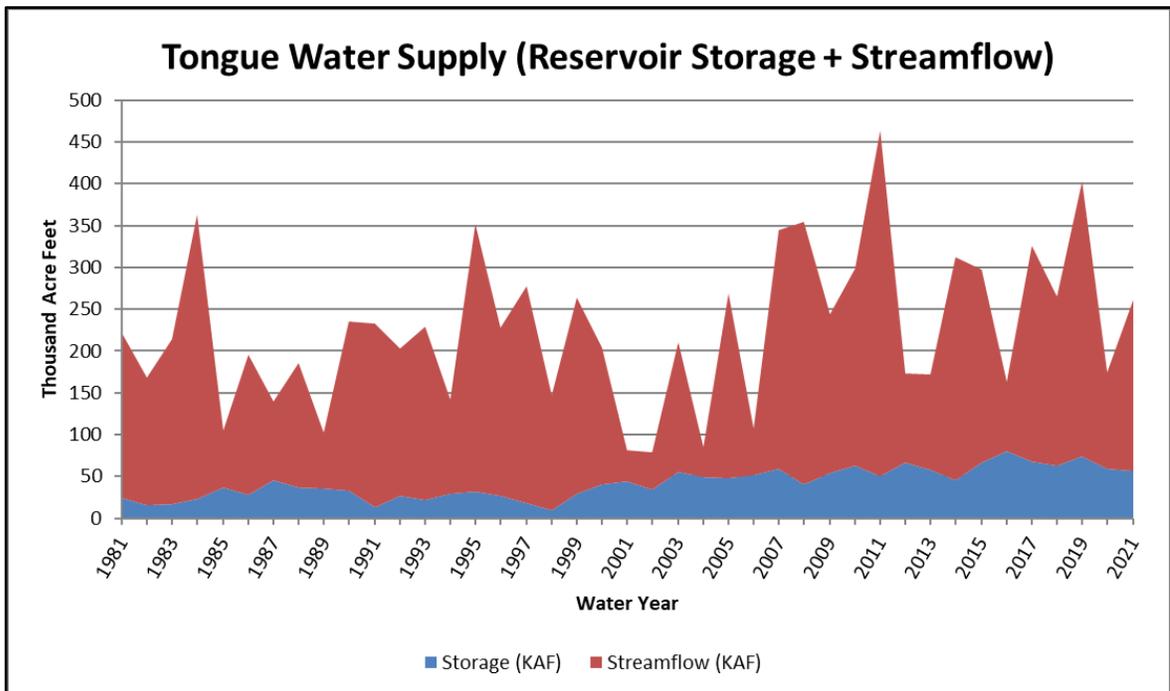
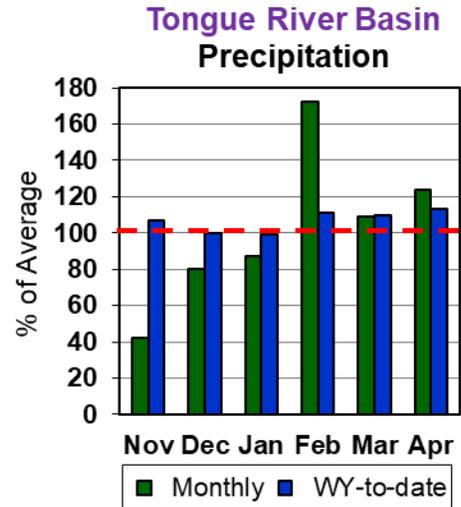
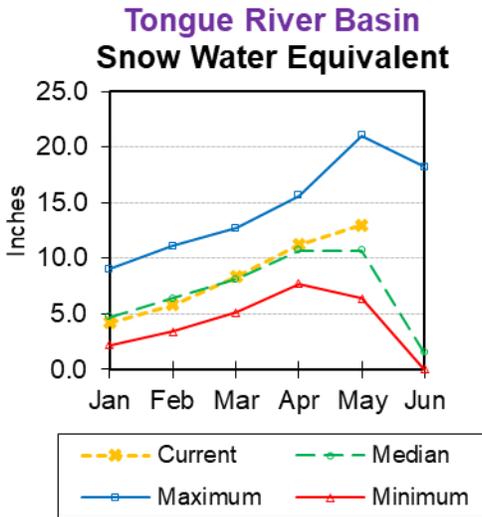
## Powder River Basin Streamflow Forecasts -- May 1, 2021



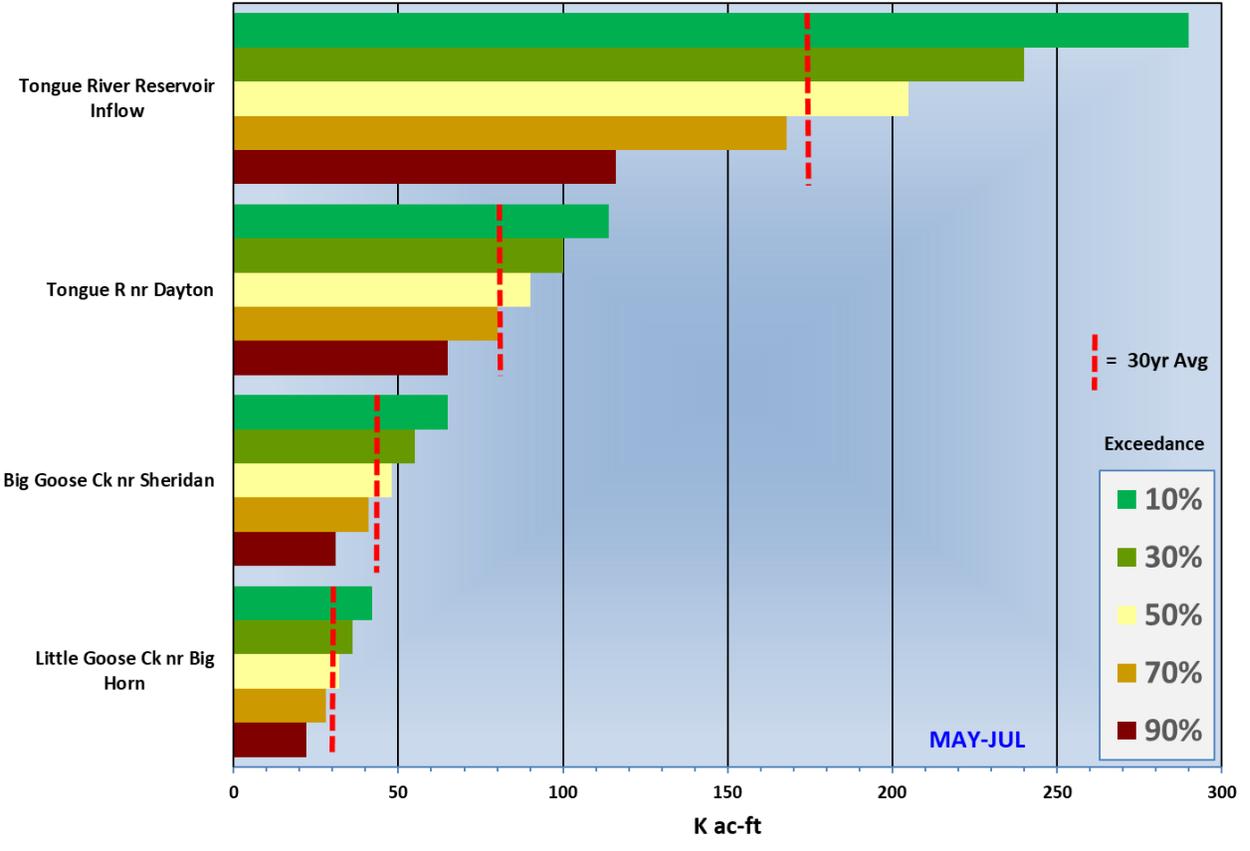


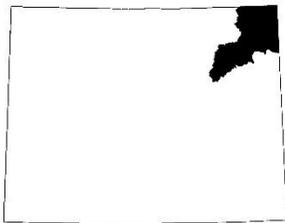
# Tongue River Basin

- The overall Tongue River Basin SWE is near **120%** of median.
- Last month's precipitation for the Tongue River Basin was near **125%** of average. Water-year-to-date precipitation is near **115%** of average.
- Current reservoir storage is near **165%** of average for one main reservoir in the basin.
- The 50% exceedance forecasts for May through July are **above** average (**112%**) for this basin. Tongue Reservoir inflows are forecasted to be **117%** of average.



### Tongue River Basin Streamflow Forecasts -- May 1, 2021

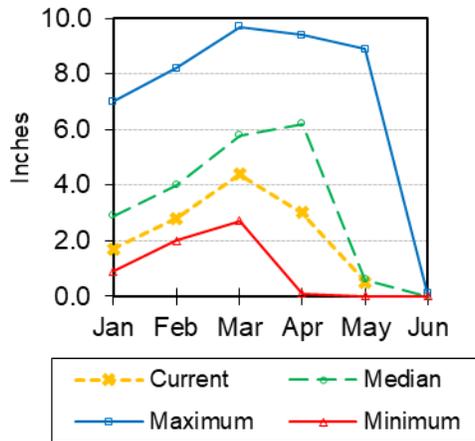




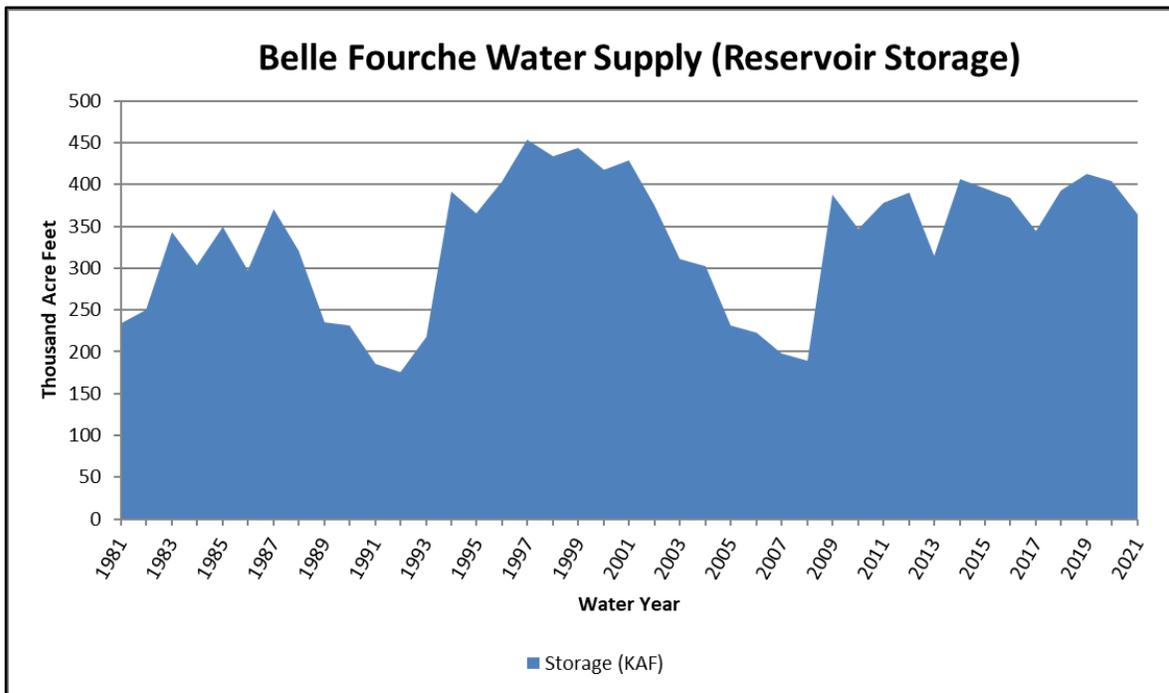
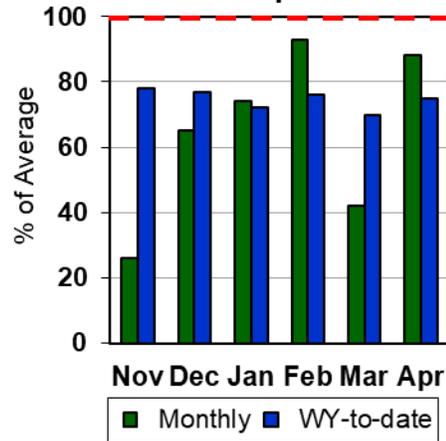
# Belle Fourche River Basin

- Much of the Belle Fourche River Basin snowpack has melted out.
- Last month's precipitation for the Belle Fourche River Basin was near **90%** of average. Water-year-to-date precipitation is around **75%** of average.
- Current reservoir storage is near **120%** of average for three main reservoirs in the basin.

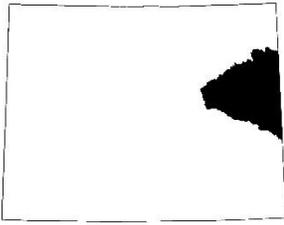
**Belle Fourche River Basin  
Snow Water Equivalent**



**Belle Fourche River Basin  
Precipitation**

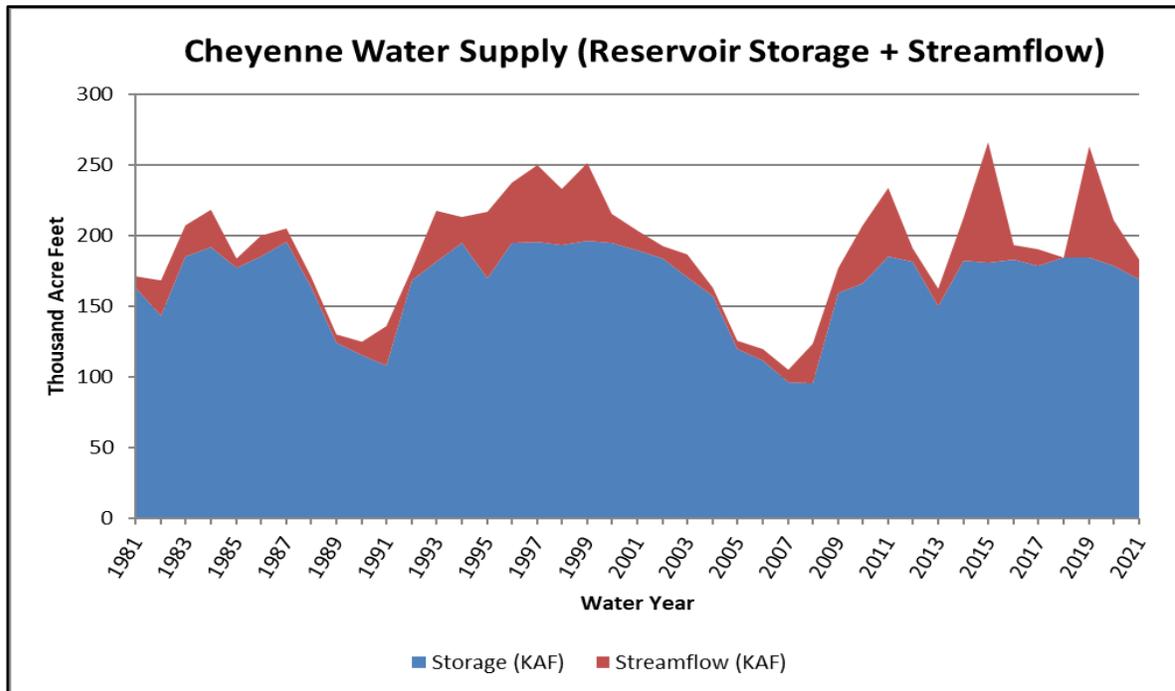
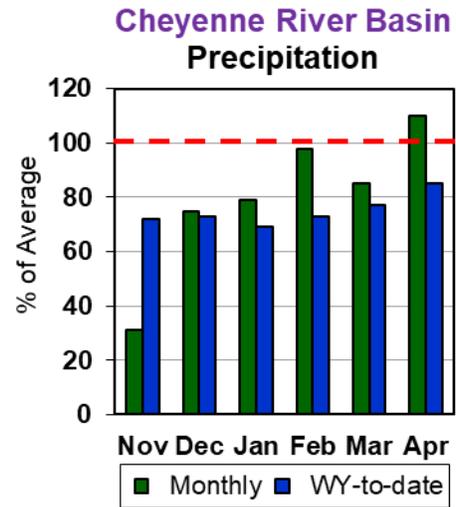
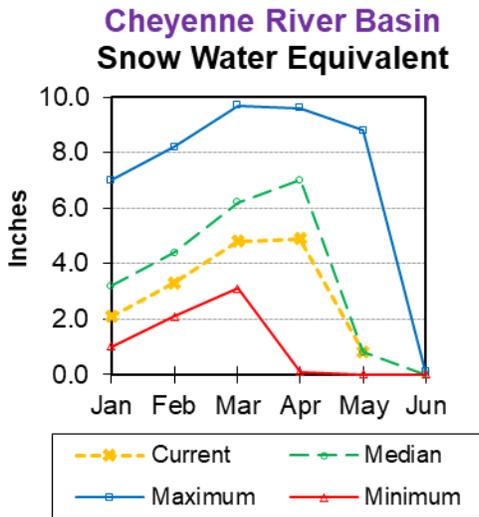


There are no streamflow forecast points for the basin.

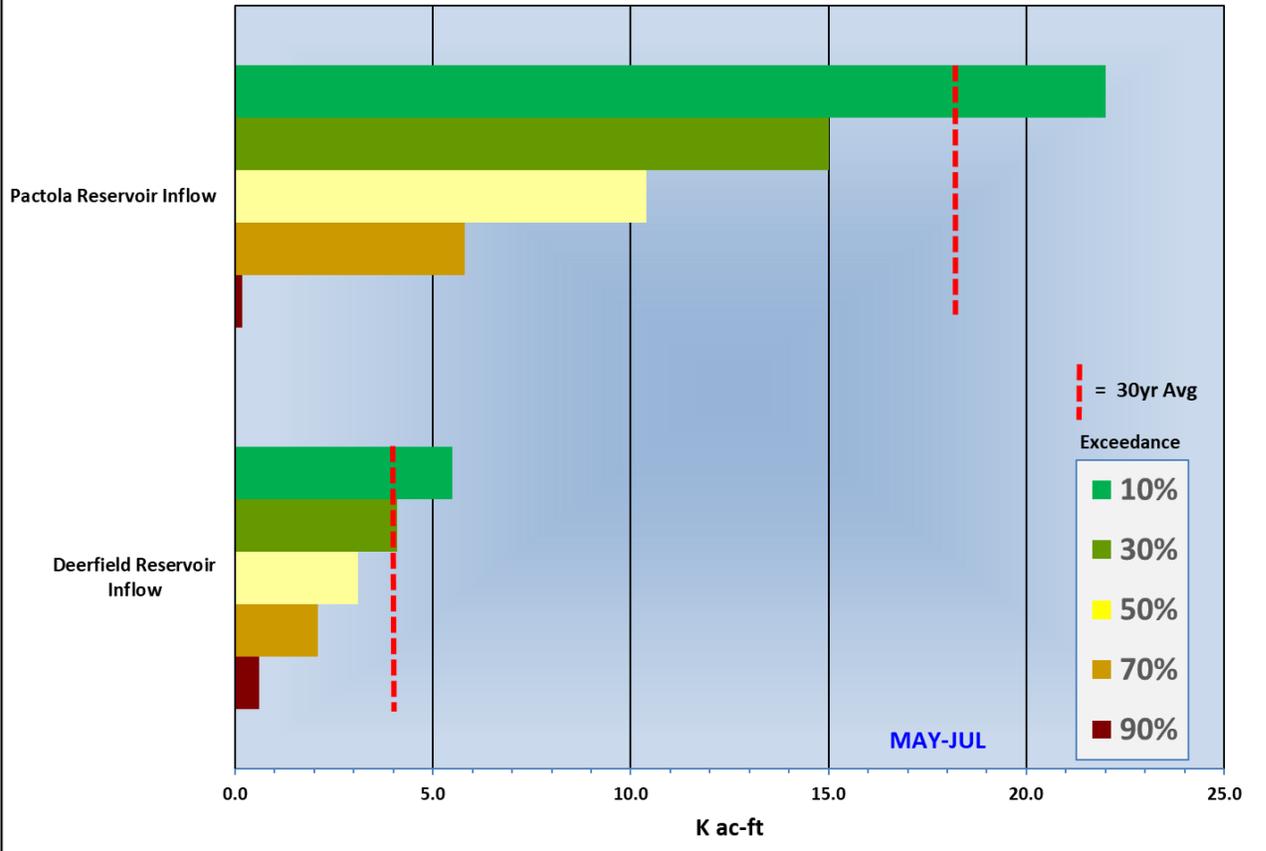


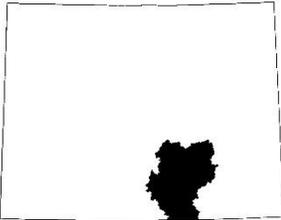
# Cheyenne River Basin

- Much of the Cheyenne River Basin snowpack has melted out.
- Last month's precipitation for the Cheyenne River Basin was near **110%** of average. Water-year-to-date precipitation is around **85%** of average.
- Current reservoir storage is near **105%** of average for three main reservoirs in the basin.
- The 50% exceedance forecasts for May through July are **below** average (**69%**) for this basin. Deerfield Reservoir inflows are forecasted to be **79%** of average.



### Cheyenne River Basin Streamflow Forecasts -- May 1, 2021

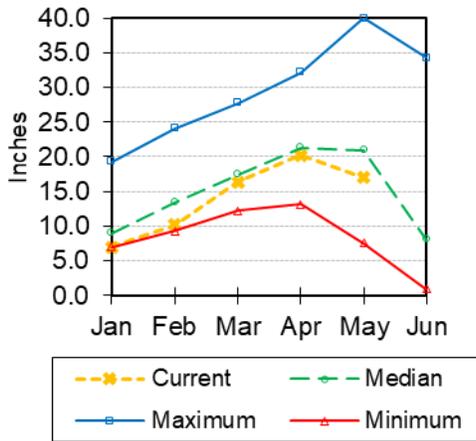




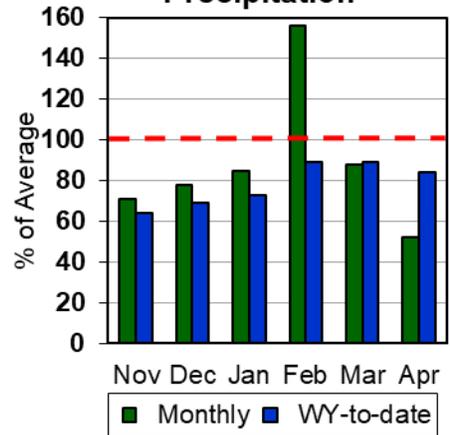
# Upper North Platte River Basin

- The overall Upper North Platte River Basin SWE is near **80%** of median.
- Last month's precipitation for the Upper North River Basin was near **50%** of average. Water-year-to-date precipitation is around **85%** of average.
- Current reservoir storage is near **110%** of average for one main reservoir in the basin.
- Streamflow forecasts for May through July are **below** average (**70%**) for this basin. Rock Creek near Arlington is expected to have flows at **90%** of average.

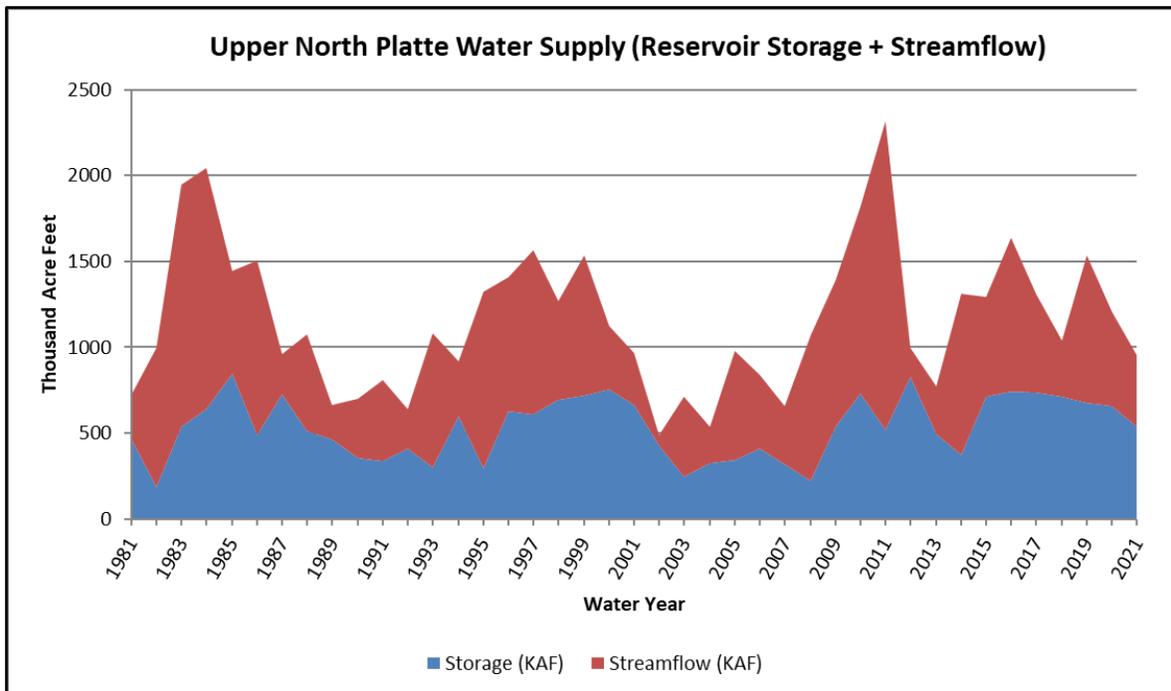
**Upper North Platte Basin  
Snow Water Equivalent**



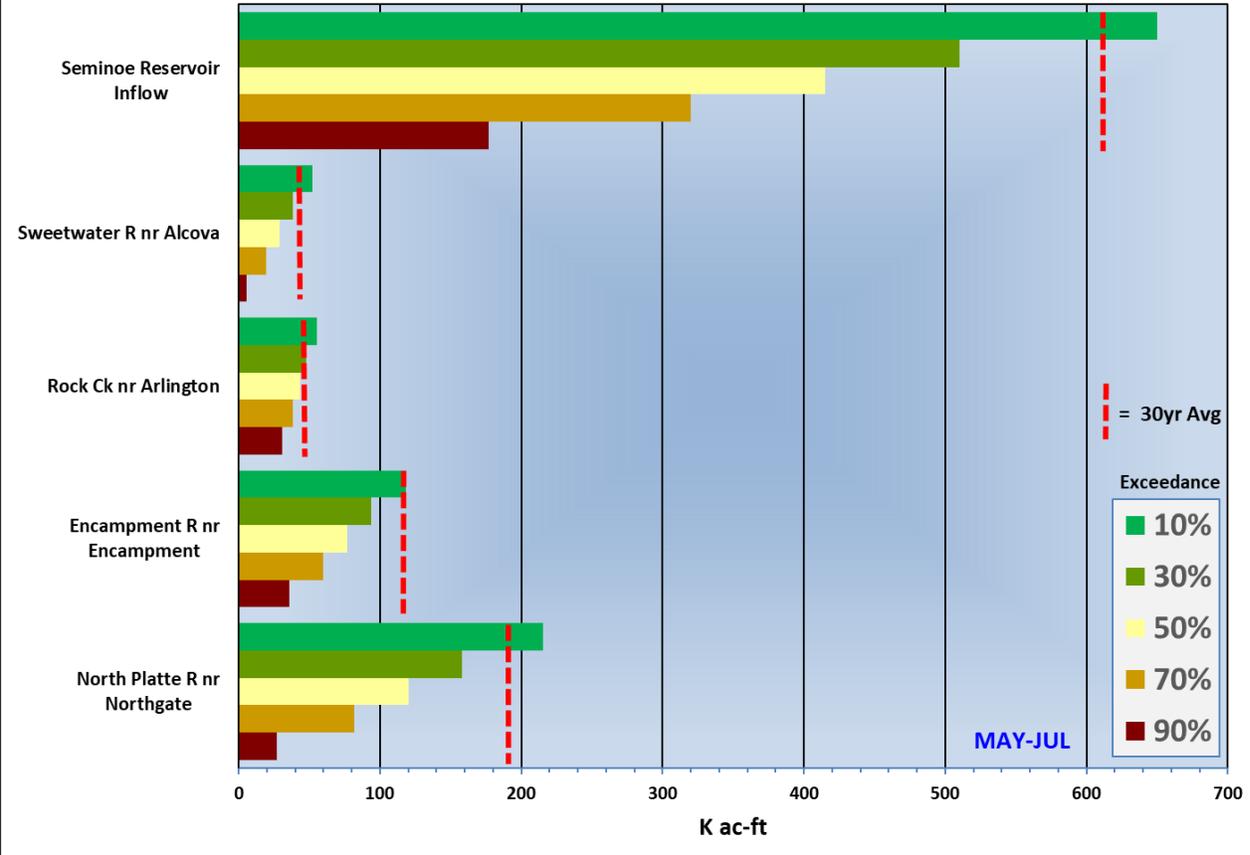
**Upper North Platte Basin  
Precipitation**

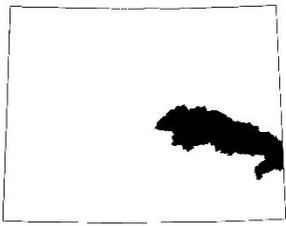


**Upper North Platte Water Supply (Reservoir Storage + Streamflow)**



Upper North Platte River Basin Streamflow Forecasts -- May 1, 2021

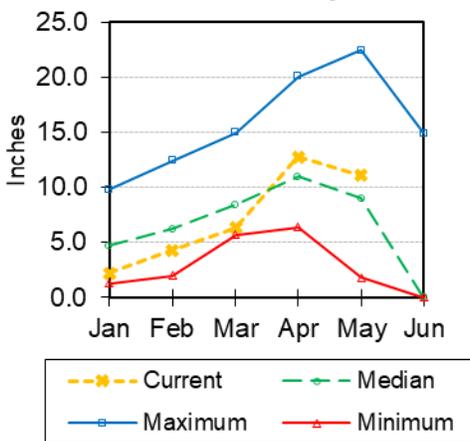




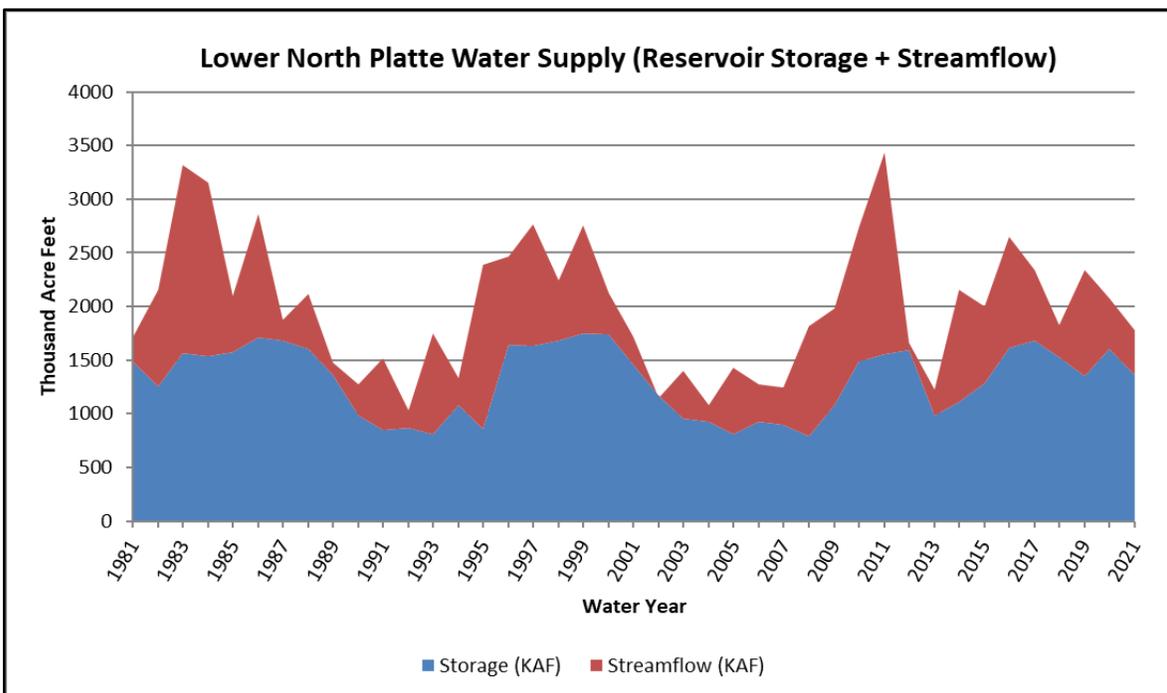
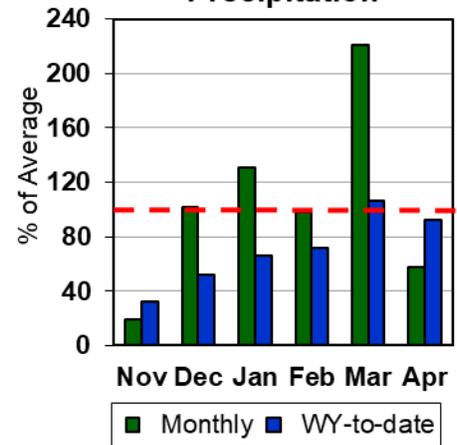
# Lower North Platte River Basin

- The overall Lower North Platte River Basin SWE is around **130%** of median.
- Last month's precipitation for the Lower North Platte River Basin was near **60%** of average. Water-year-to-date precipitation is around **90%** of average.
- Current reservoir storage is near **105%** of average for four main reservoirs in the basin.
- The 50% exceedance forecasts for May through July are **below** average (**80%**) for this basin. However, La Prele Creek near Douglas is forecasted to have flows at **117%** of average.

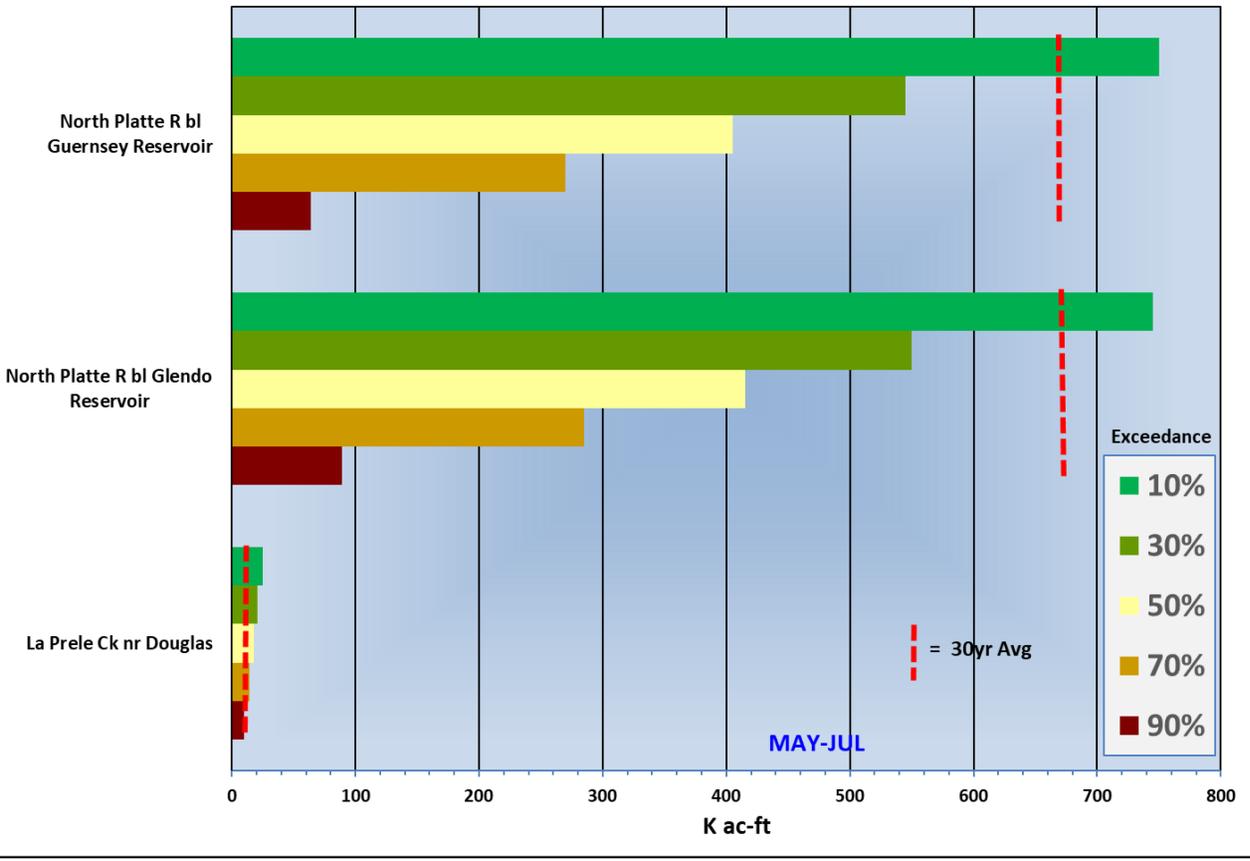
**Lower North Platte Basin  
Snow Water Equivalent**

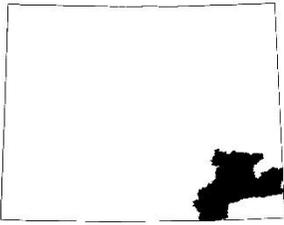


**Lower North Platte Basin  
Precipitation**



Lower North Platte River Basin Streamflow Forecasts -- May 1, 2021

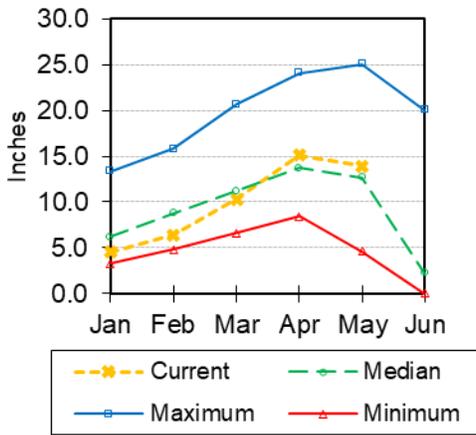




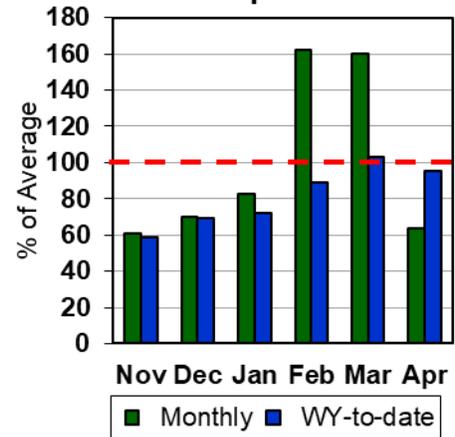
# Laramie River Basin

- The overall Laramie River Basin SWE is around **110%** of median.
- Last month's precipitation for the Laramie River Basin was around **65%** of average. Water-year-to-date precipitation is near **95%** of average.
- Current reservoir storage is around **125%** of average for one main reservoir in the basin.
- Streamflow forecasts for May through July are near average (**98%**) for this basin. Little Laramie River near Filmore is expected to have flows at **100%** of average.

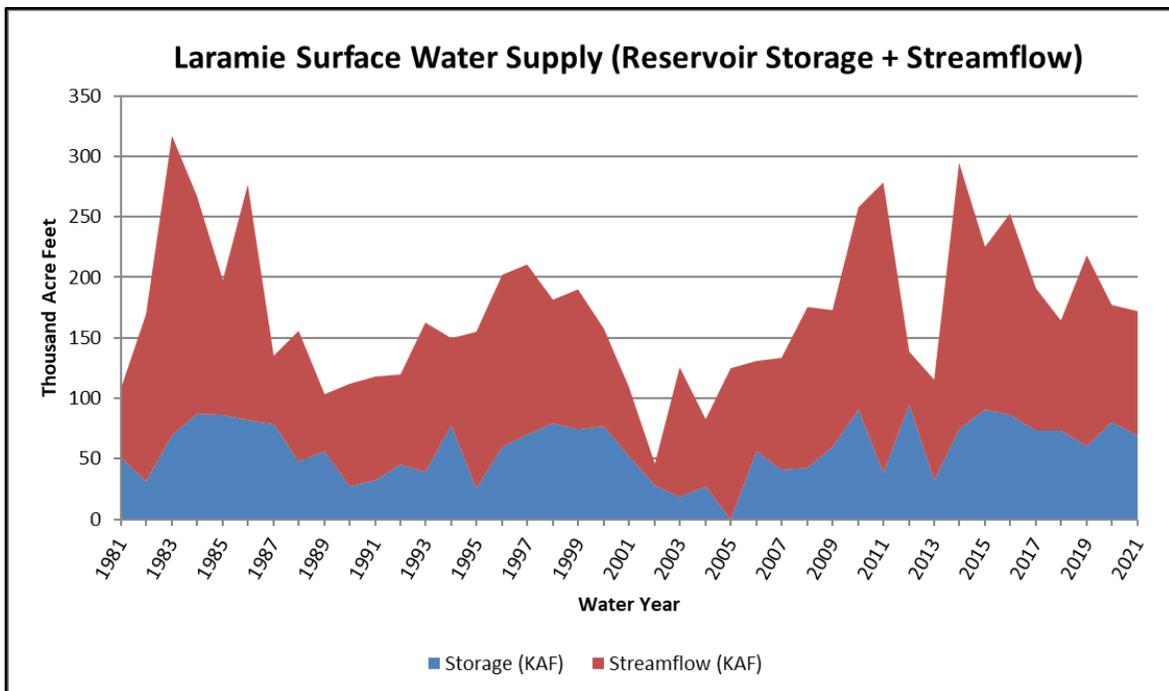
**Laramie River Basin  
Snow Water Equivalent**



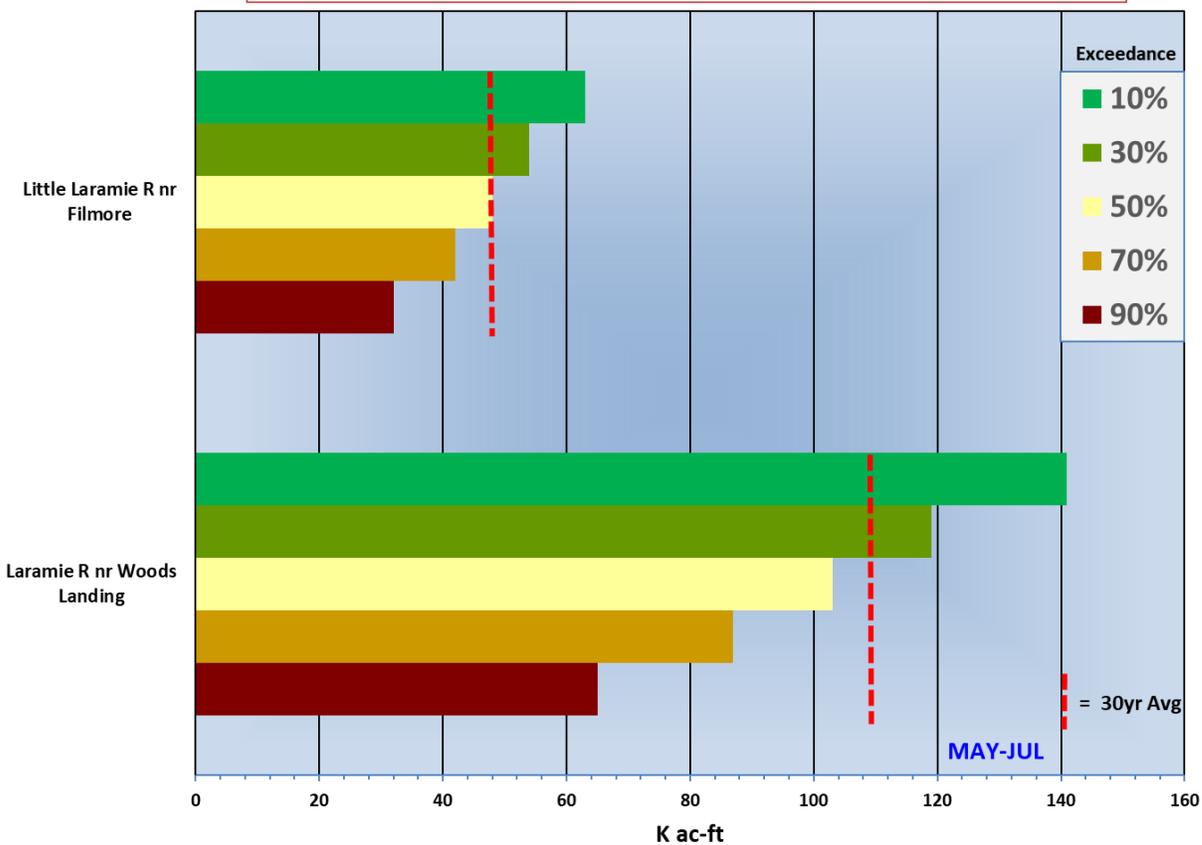
**Laramie River Basin  
Precipitation**

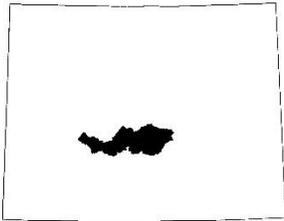


**Laramie Surface Water Supply (Reservoir Storage + Streamflow)**



### Laramie River Basin Streamflow Forecasts -- May 1, 2021

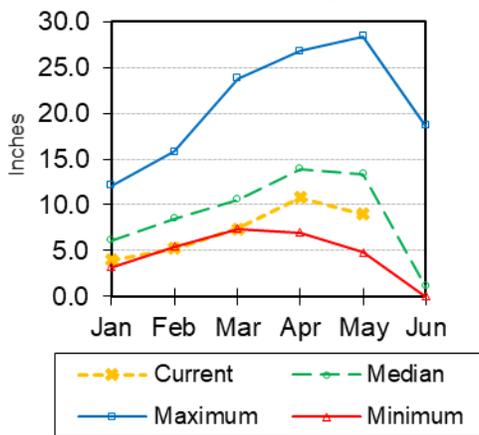




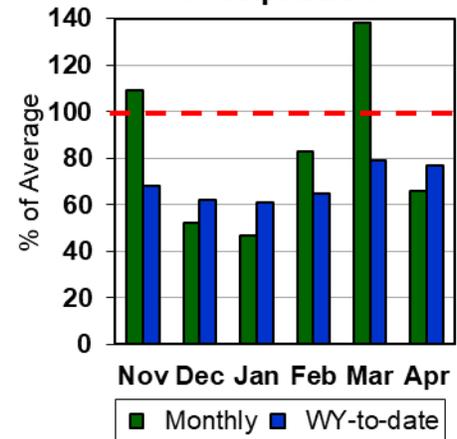
# Sweetwater River Basin

- The overall Sweetwater River Basin SWE is around **75%** of median.
- Last month's precipitation for the Sweetwater River Basin was near **65%** of average. Water-year-to-date precipitation is **75** to **80%** of average.
- Current reservoir storage is near **110%** of average for one main reservoir in the basin.
- Streamflow forecast for Sweetwater River near Alcova (May-July) is **well below** average at **63%**.

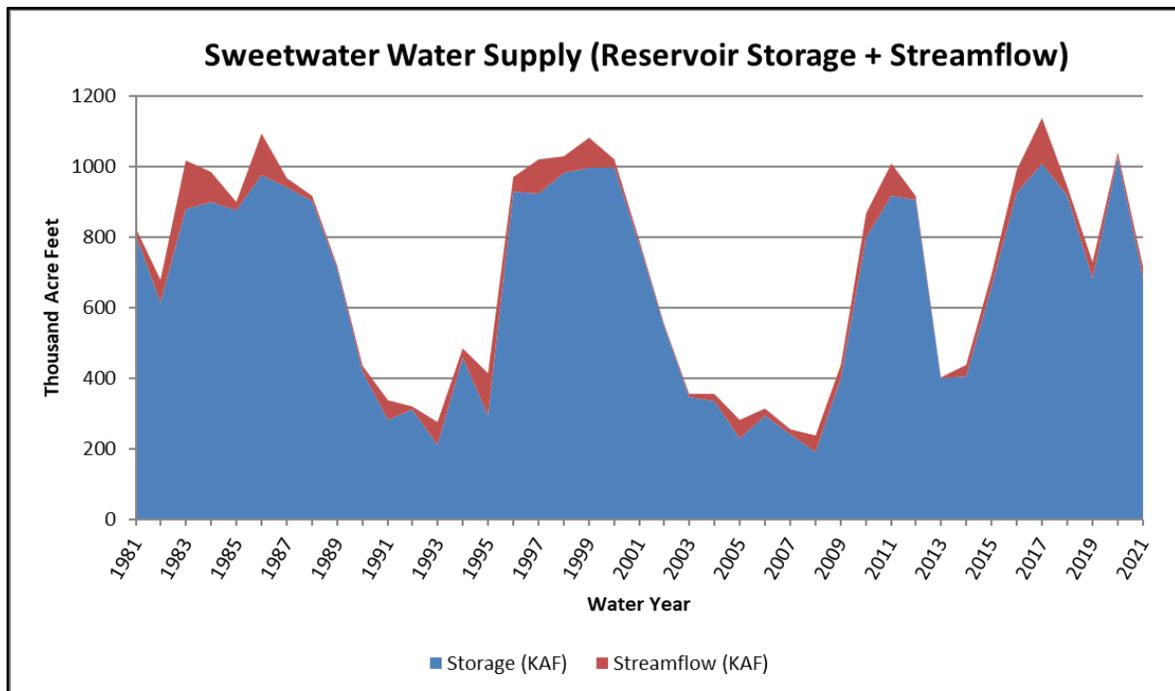
**Sweetwater River Basin  
Snow Water Equivalent**



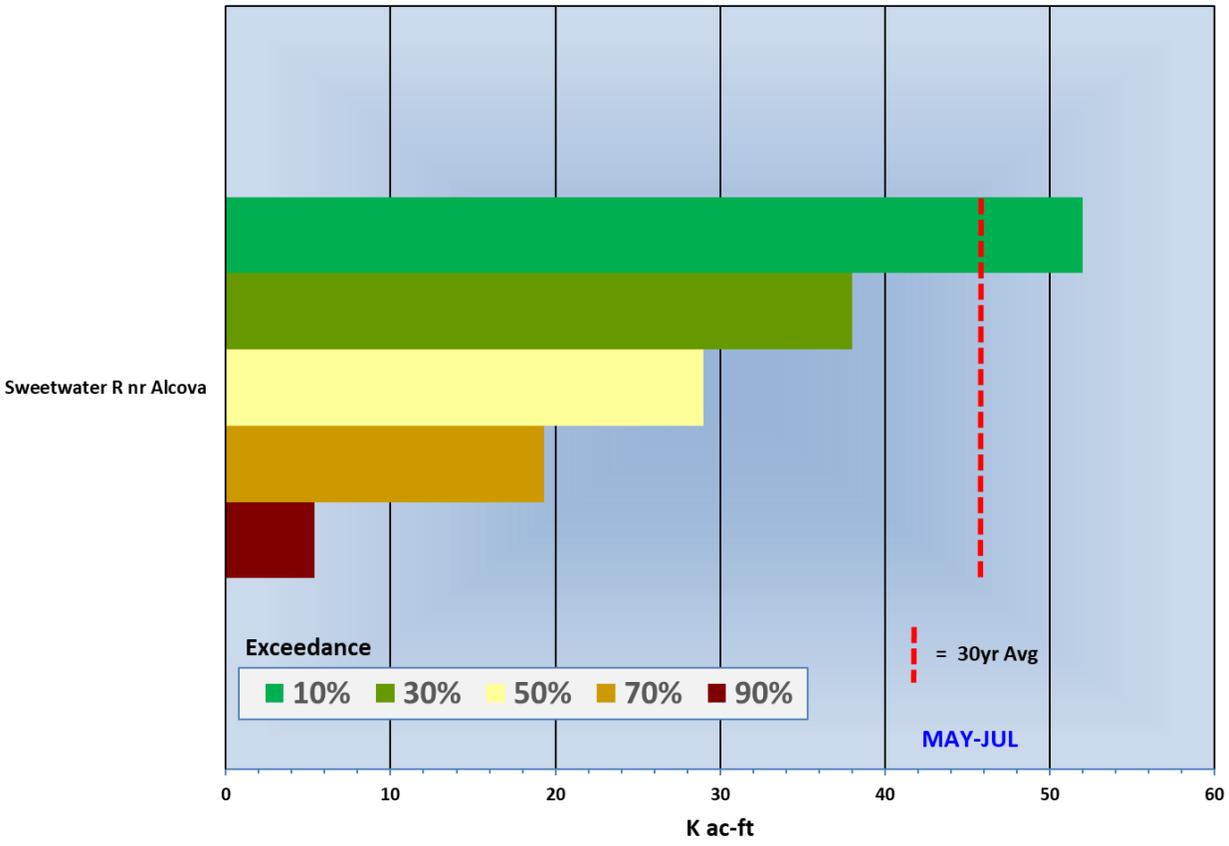
**Sweetwater River Basin  
Precipitation**

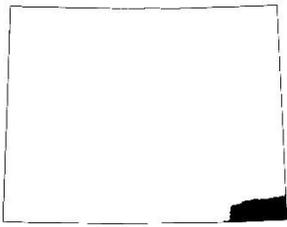


**Sweetwater Water Supply (Reservoir Storage + Streamflow)**



### Sweetwater River Basin Streamflow Forecast -- May 1, 2021

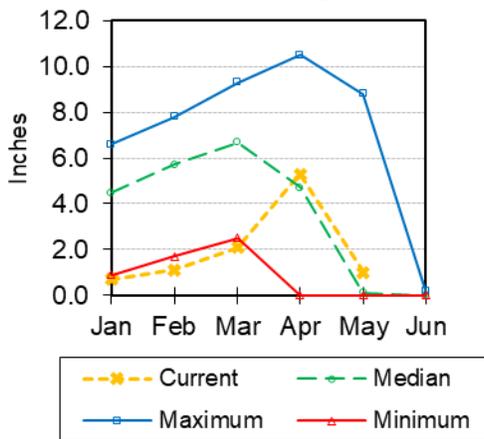




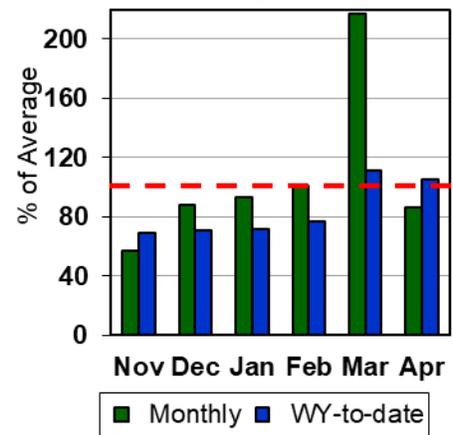
# South Platte River Basin (WY)

- Much of the South Platte River Basin snowpack has melted out.
- Last month's precipitation for the South Platte River Basin was near **85%** of average. Water-year-to-date precipitation is close to **105%** of average.

**South Platte River Basin  
Snow Water Equivalent**

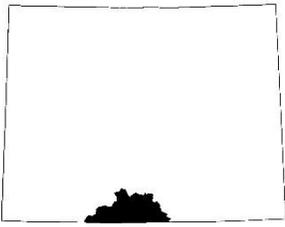


**South Platte River Basin  
Precipitation**



No reservoir data for the basin.

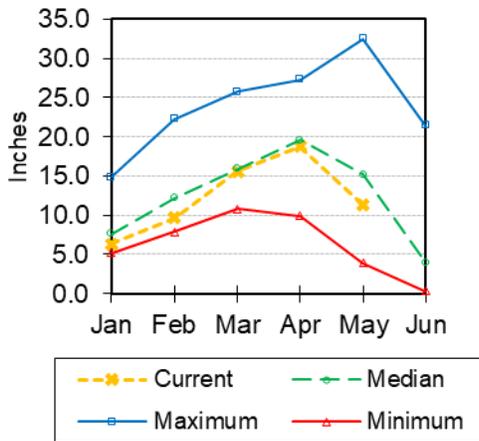
There are no streamflow forecast points for the basin.



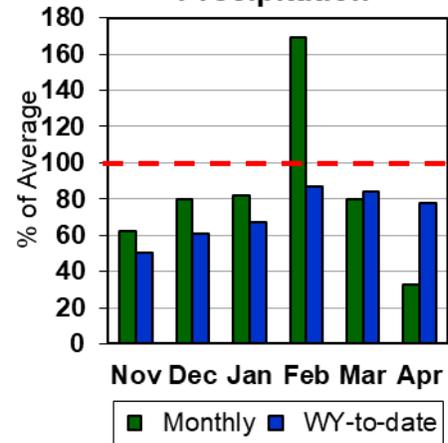
# Little Snake River Basin

- The overall Little Snake River Basin SWE is near **75%** of median.
- Last month's precipitation for the Little Snake River Basin was near **35%** of average. Water-year-to-date precipitation is near **80%** of average.
- Current reservoir storage is close to **75%** of average for one main reservoir in the basin.
- The 50% exceedance forecasts for May through July are **well below** average (**46%**) for this basin.

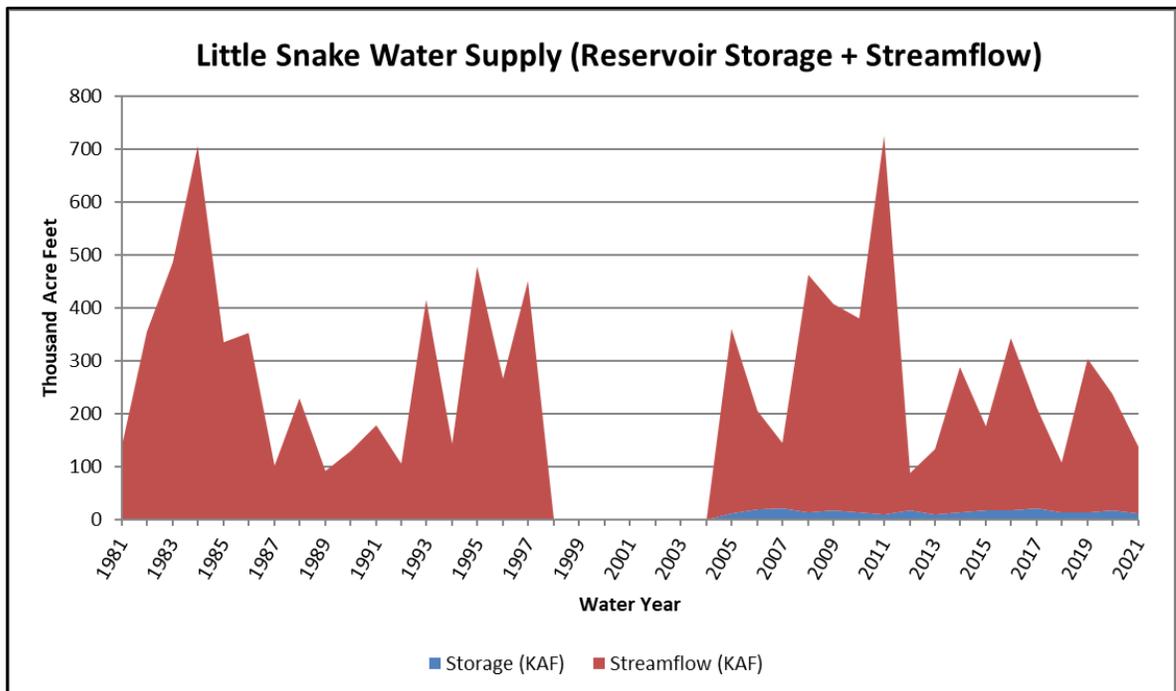
**Little Snake River Basin  
Snow Water Equivalent**



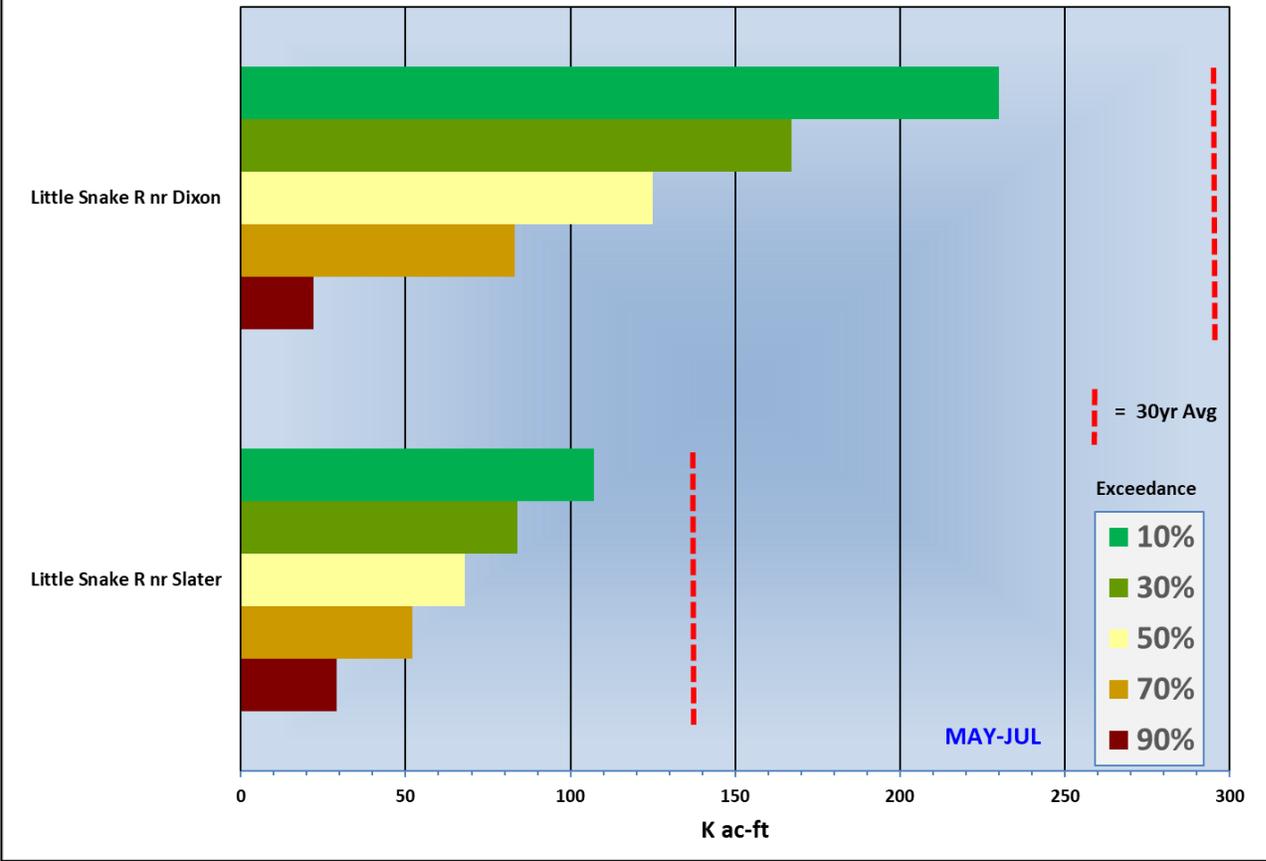
**Little Snake River Basin  
Precipitation**

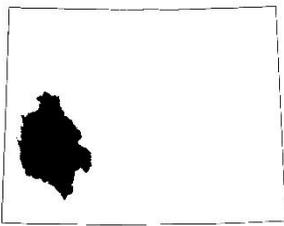


**Little Snake Water Supply (Reservoir Storage + Streamflow)**



### Little Snake River Basin Streamflow Forecasts -- May 1, 2021

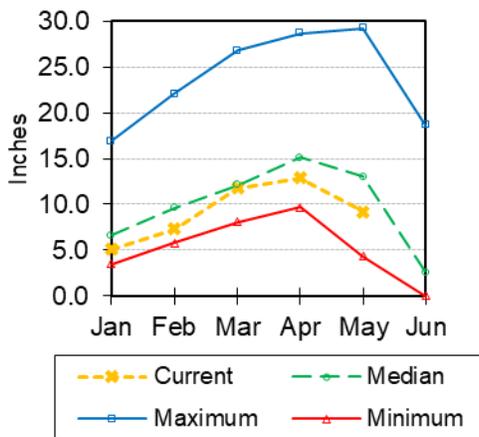




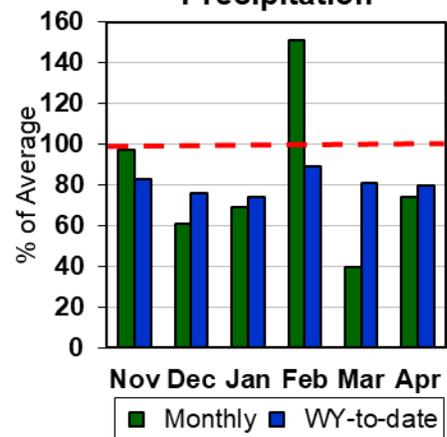
# Upper Green River Basin

- The overall Upper Green River Basin SWE is near **70%** of median.
- Last month's precipitation for the Upper River Basin was near **75%** of average. Water-year-to-date precipitation is around **80%** of average.
- Current reservoir storage is near **90%** of average for two main reservoirs in the basin.
- Streamflow forecasts for May through July are **well below** average (**60%**) for this basin.

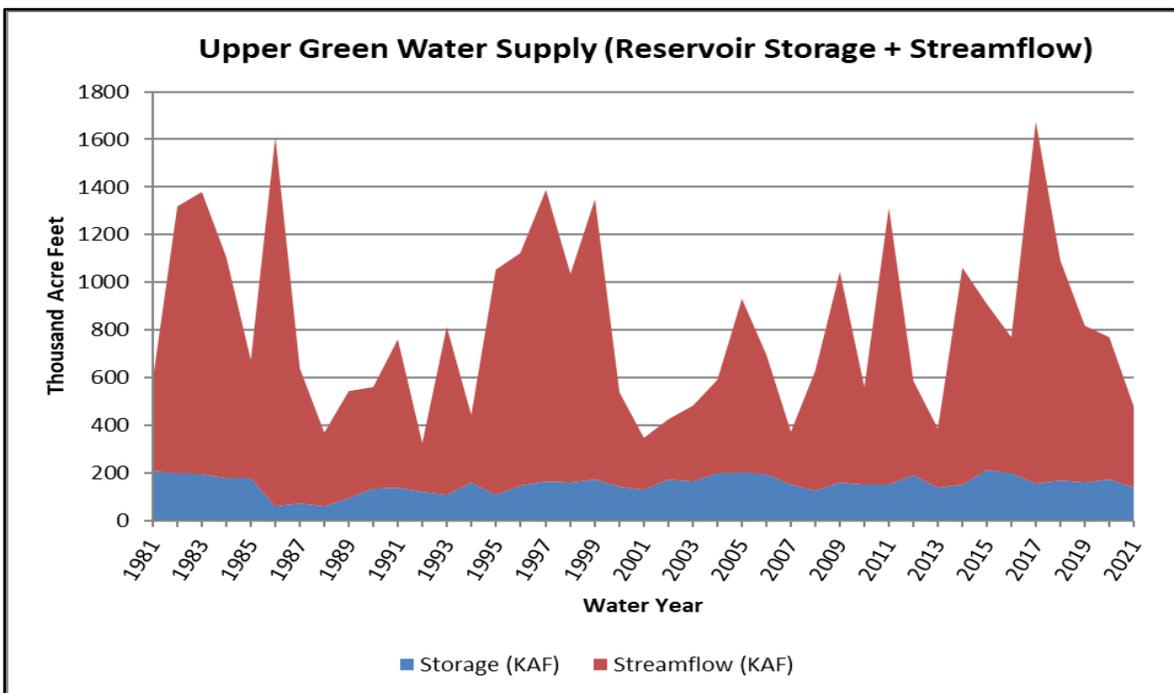
**Upper Green River Basin  
Snow Water Equivalent**



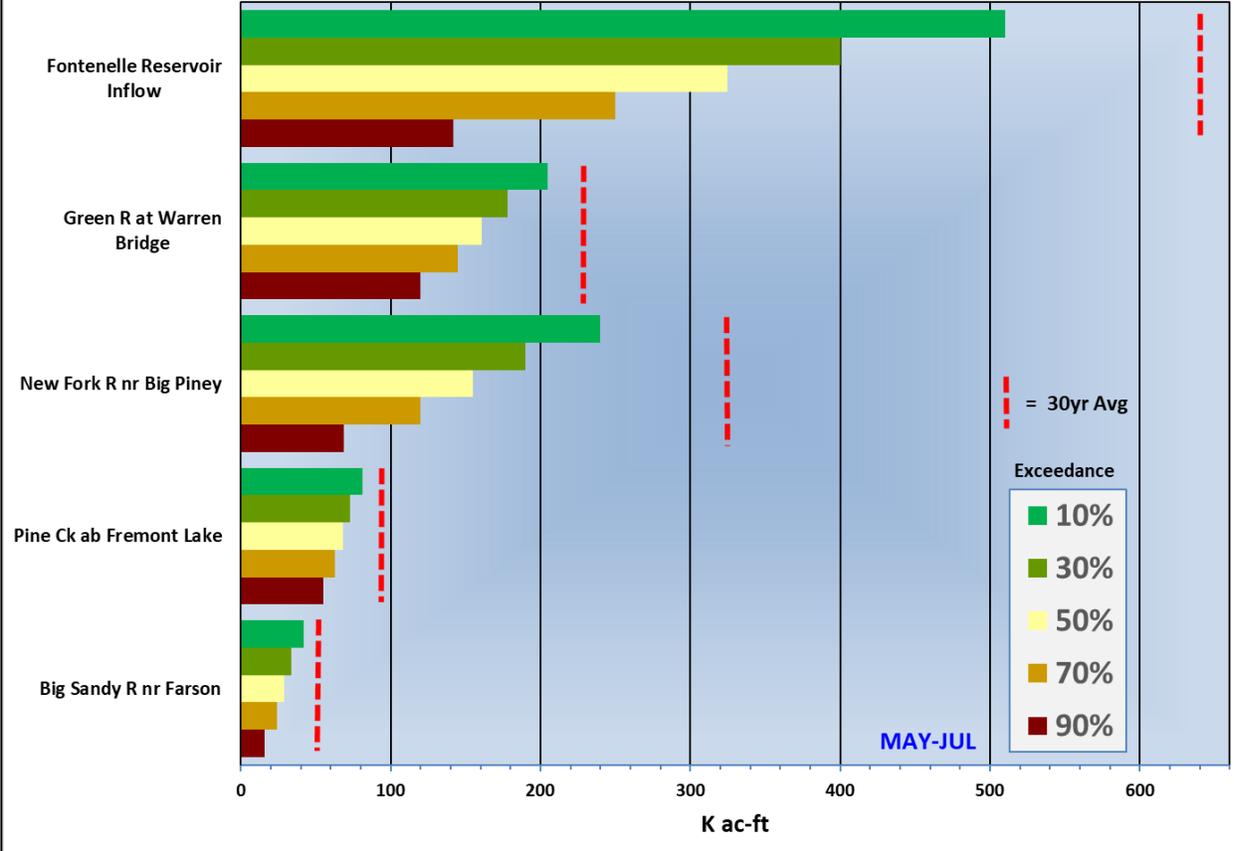
**Upper Green River Basin  
Precipitation**

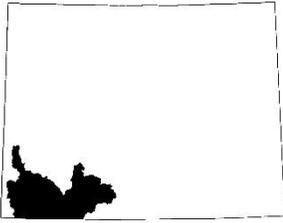


**Upper Green Water Supply (Reservoir Storage + Streamflow)**



### Upper Green River Basin Streamflow Forecasts -- May 1, 2021

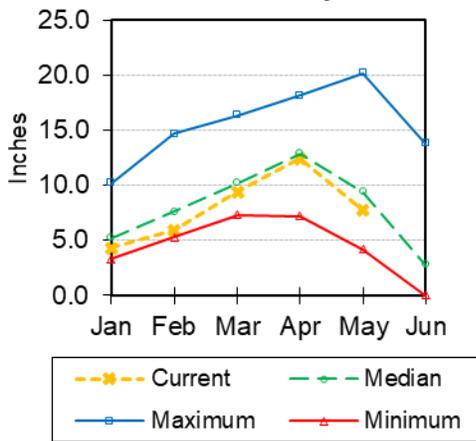




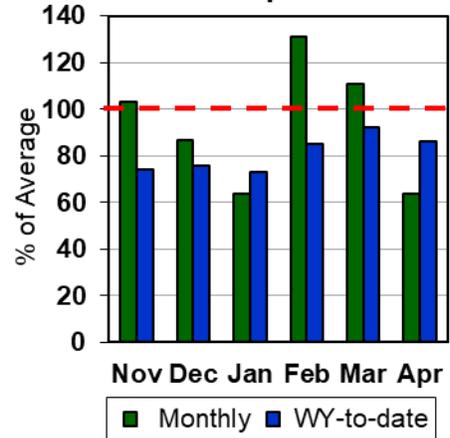
# Lower Green River Basin

- The overall Lower Green River Basin SWE is close to **80%** of median.
- Last month's precipitation for the Lower Green River Basin was near **65%** of average. Water-year-to-date precipitation is around **85%** of average.
- Current reservoir storage is close to **105%** of average for three main reservoirs in the basin.
- Streamflow forecasts for May through July are **well below** average (**56%**) for this basin.

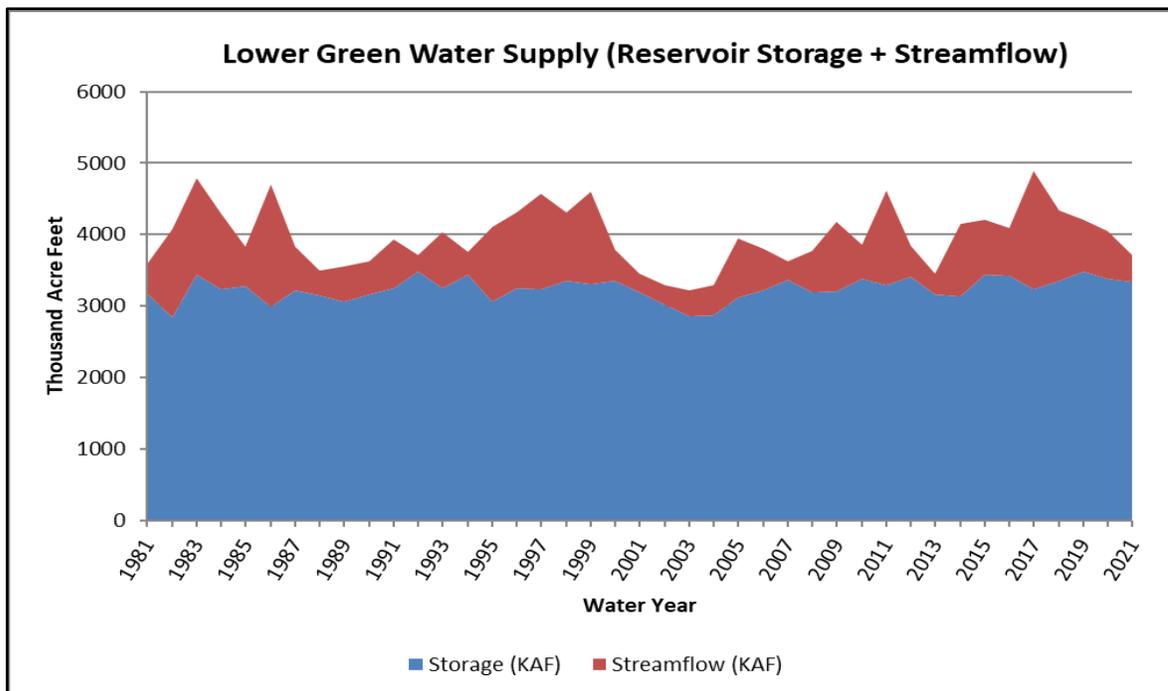
**Lower Green River Basin Snow Water Equivalent**



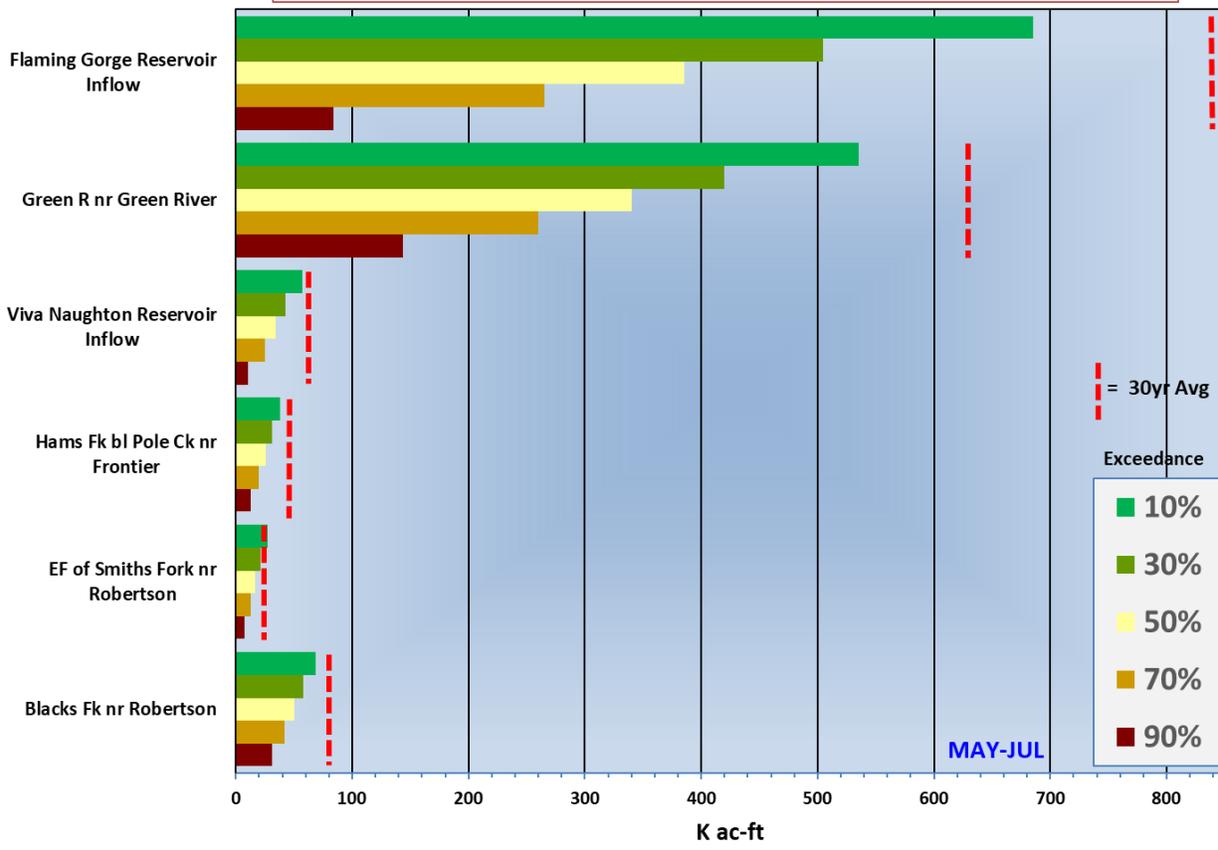
**Lower Green River Basin Precipitation**

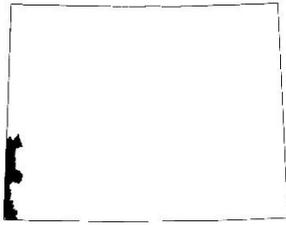


**Lower Green Water Supply (Reservoir Storage + Streamflow)**



### Lower Green River Basin Streamflow Forecasts -- May 1, 2021

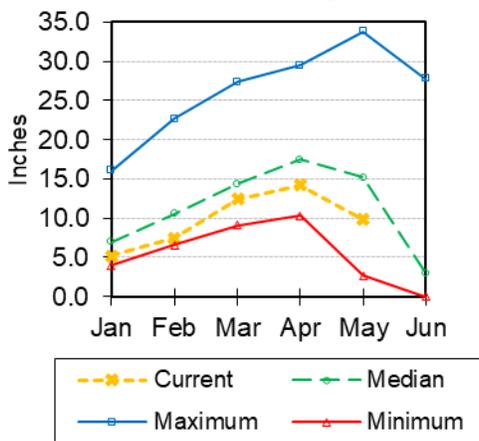




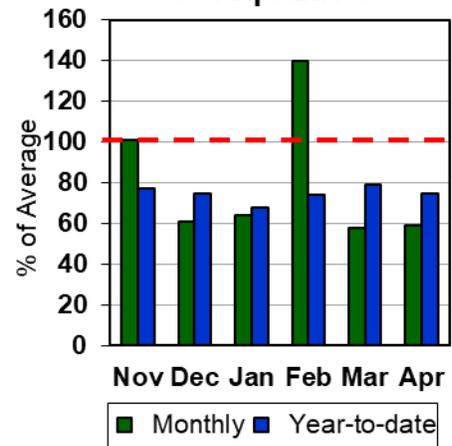
# Upper Bear River Basin

- The overall Upper Bear River Basin SWE is around **65%** of median.
- Last month's precipitation for the Upper Bear River Basin was near **60%** of average. Water-year-to-date precipitation is around **75%** of average.
- Current reservoir storage is near **60%** of average for one main reservoir in the basin.
- The 50% exceedance forecasts for May through July are **well below** average (**51%**) for this basin.

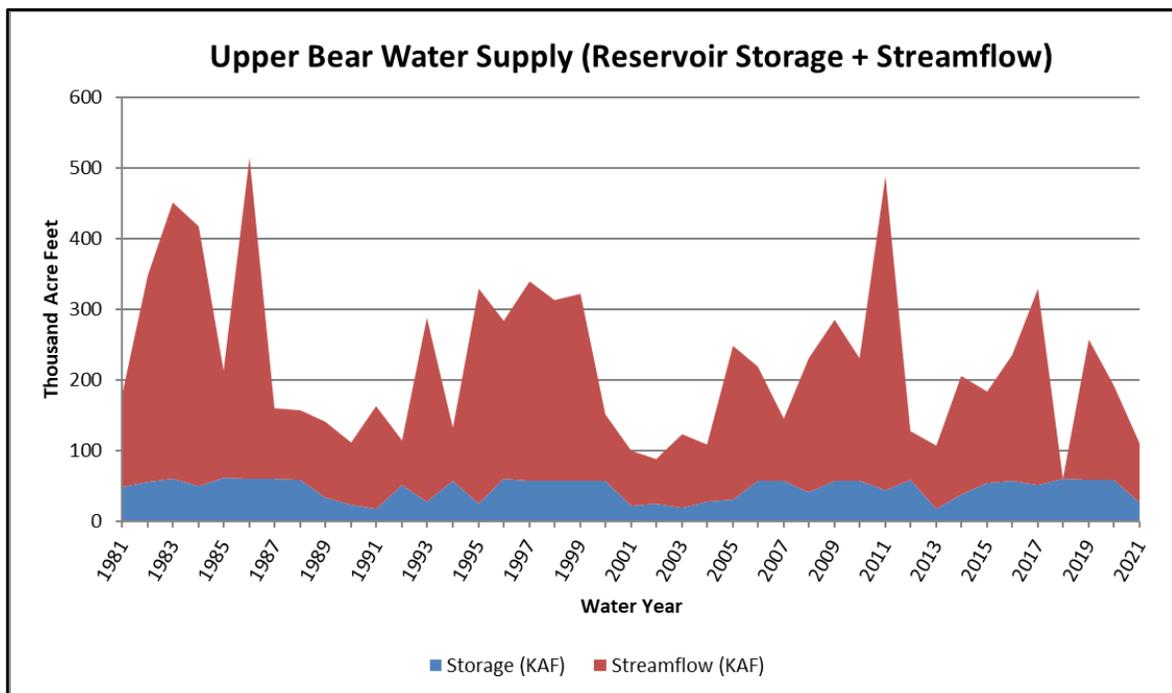
**Upper Bear River Basin  
Snow Water Equivalent**



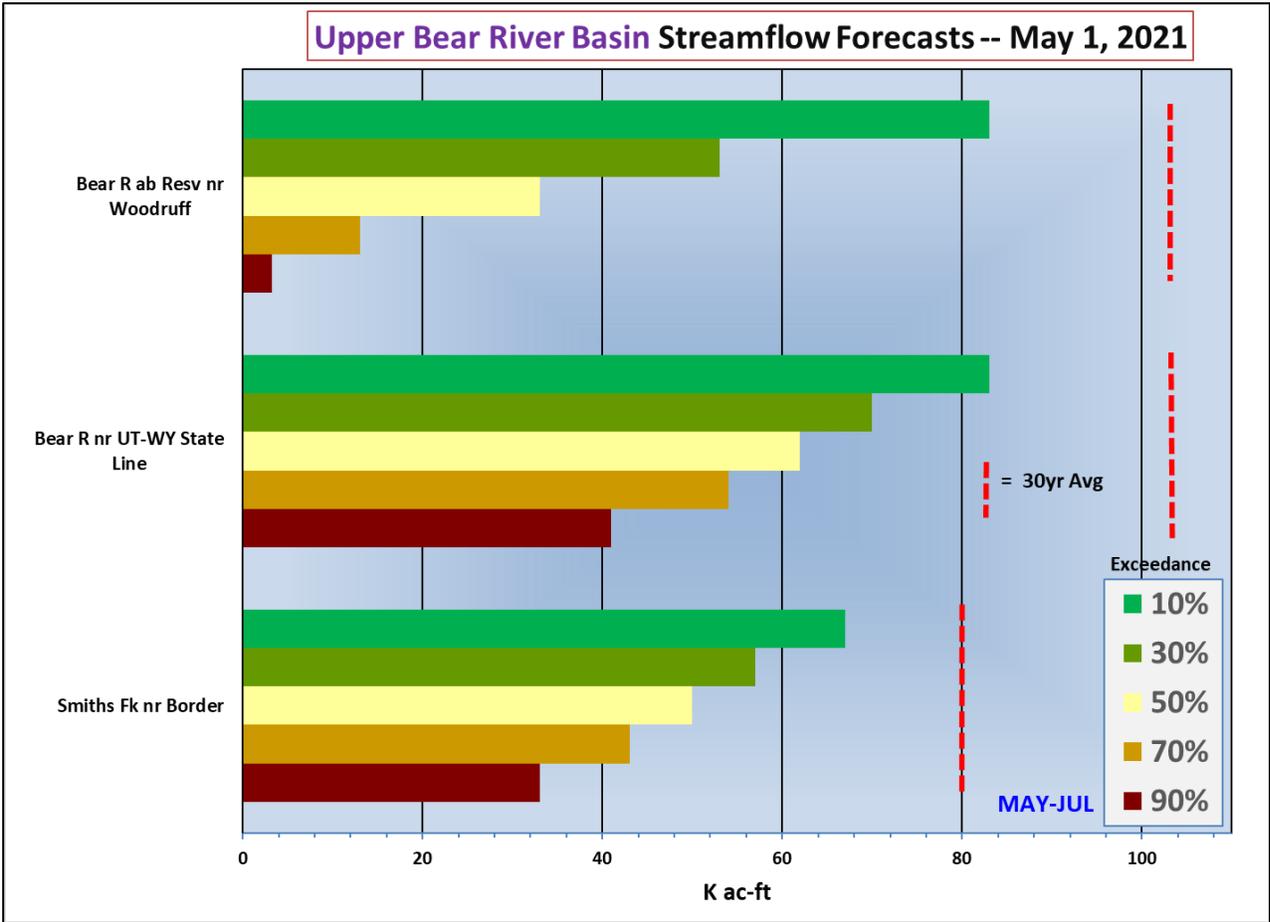
**Upper Bear River Basin  
Precipitation**



**Upper Bear Water Supply (Reservoir Storage + Streamflow)**

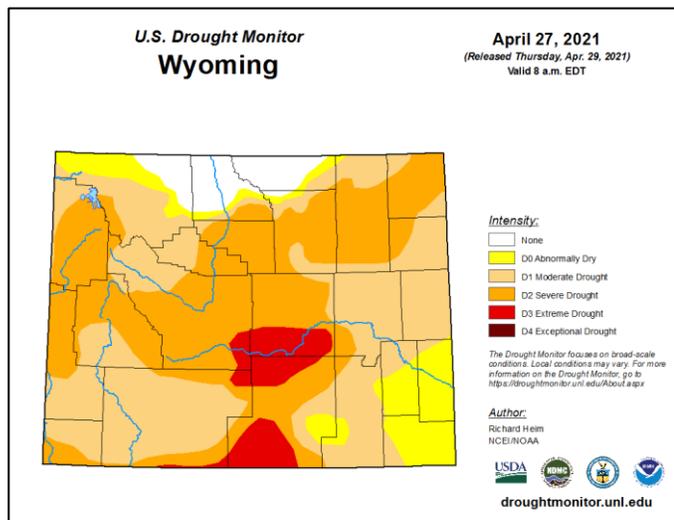


### Upper Bear River Basin Streamflow Forecasts -- May 1, 2021

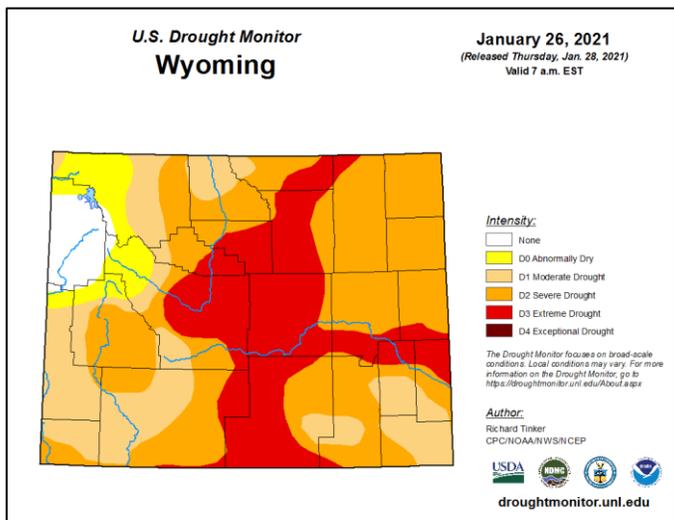


# Appendix

## DROUGHT

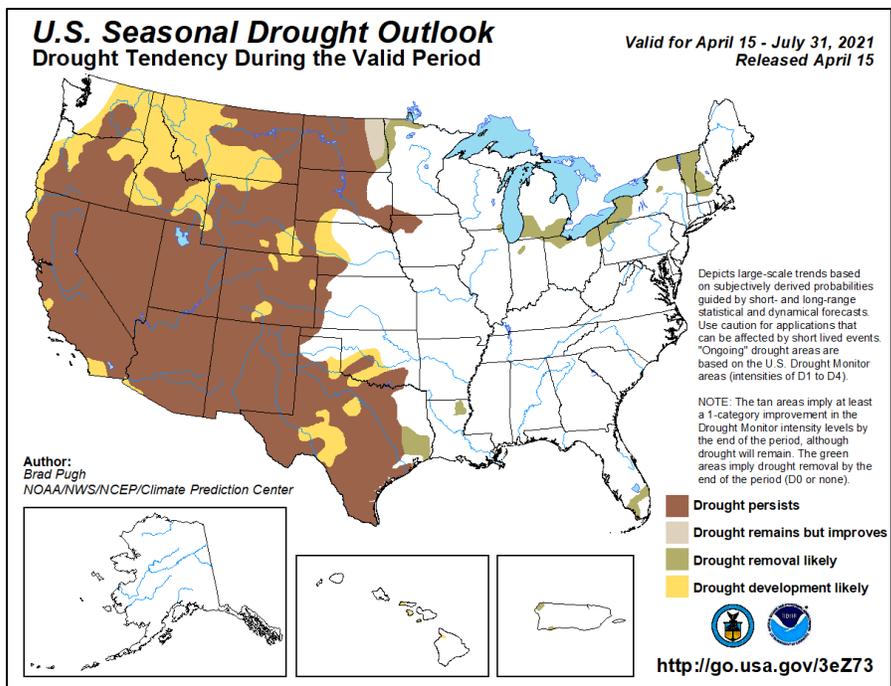


**CURRENT CONDITIONS**

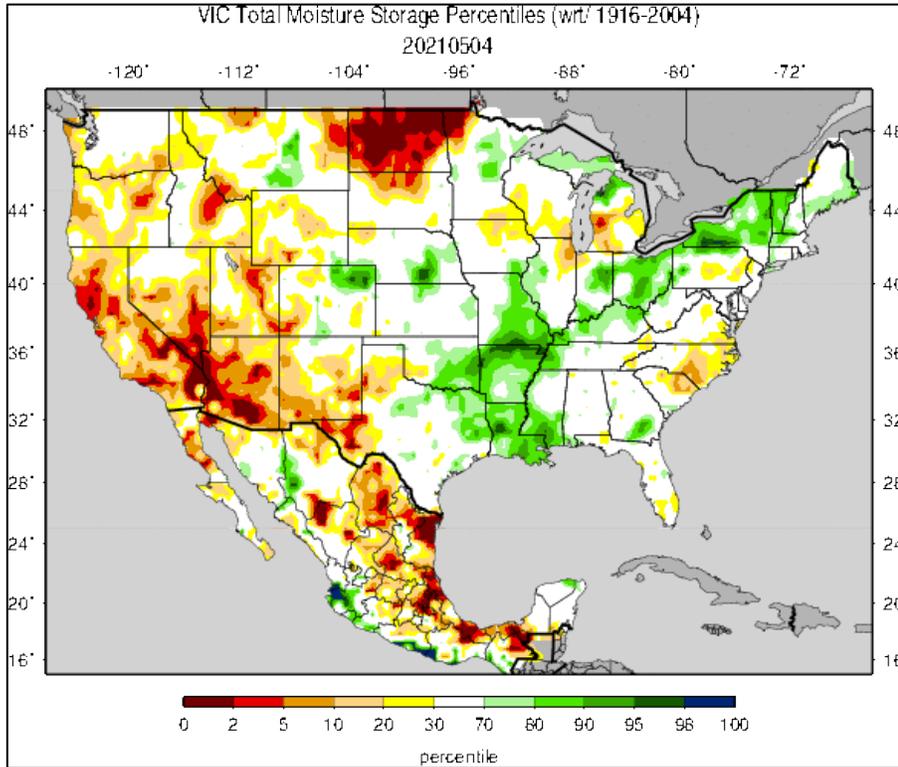


**CONDITIONS 4 Months Ago**

**OUTLOOK through July 31st**



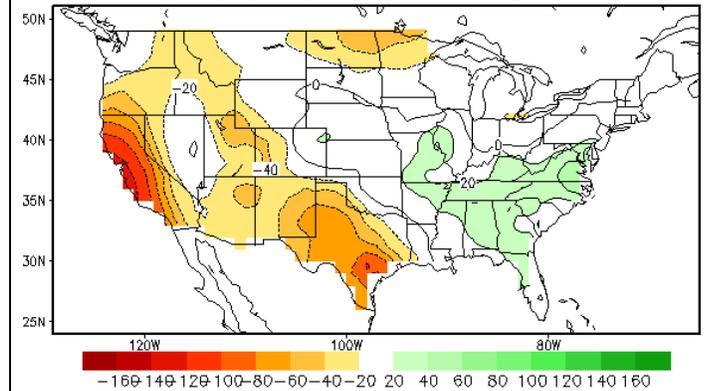
# SOIL MOISTURE



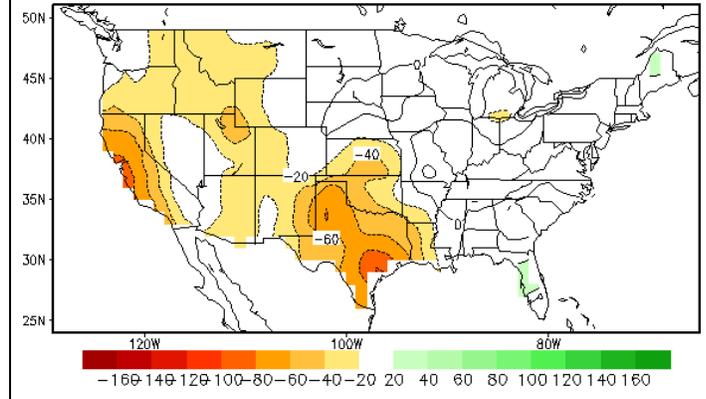
**CURRENT CONDITIONS**

**FORECAST through JULY**

Lagged Averaged Soil Moisture Outlook for End of MAY2021  
units: anomaly (mm), SM data ending at 20210429



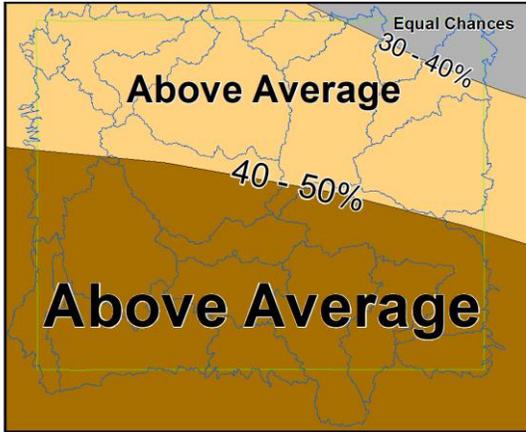
Lagged Averaged Soil Moisture Outlook for End of JUL2021  
units:anomaly (mm), SM data ending at 20210429



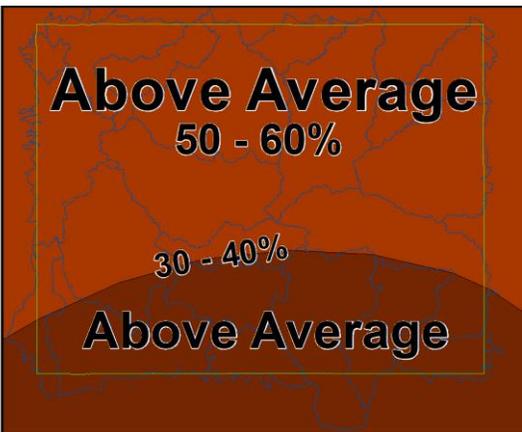
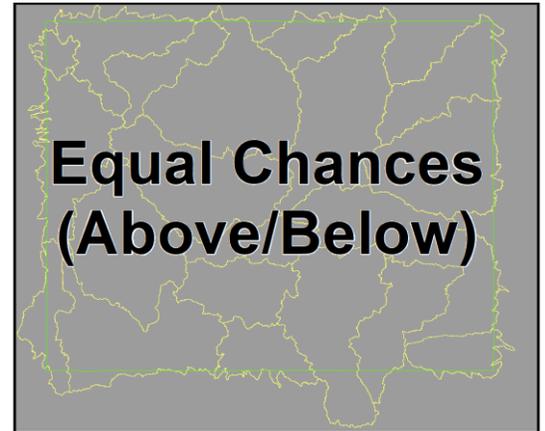
# TEMPERATURE/PRECIPITATION OUTLOOKS

## TEMPERATURE

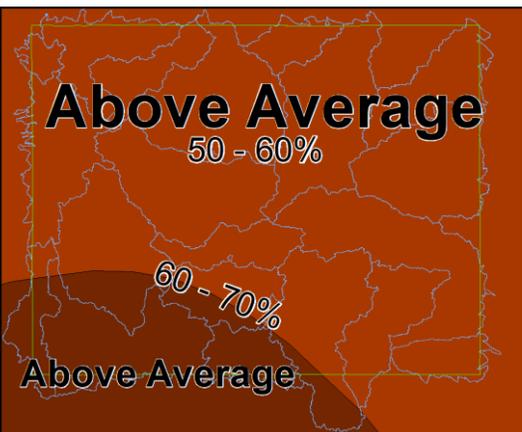
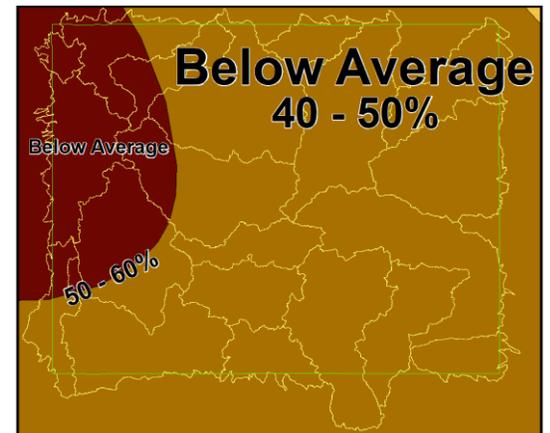
## PRECIPITATION



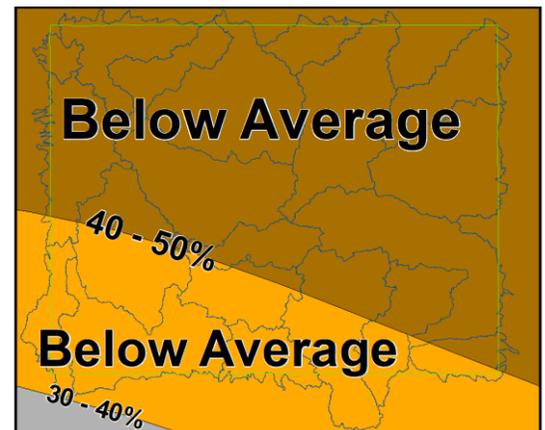
MAY



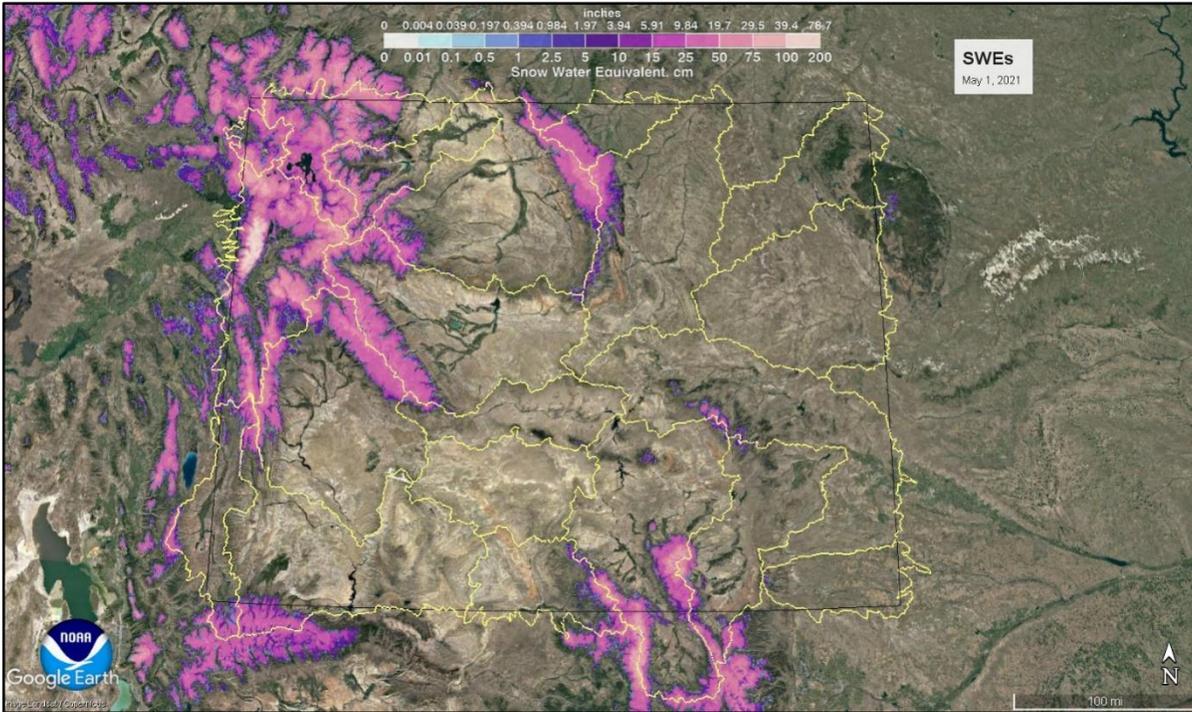
MAY - JUL



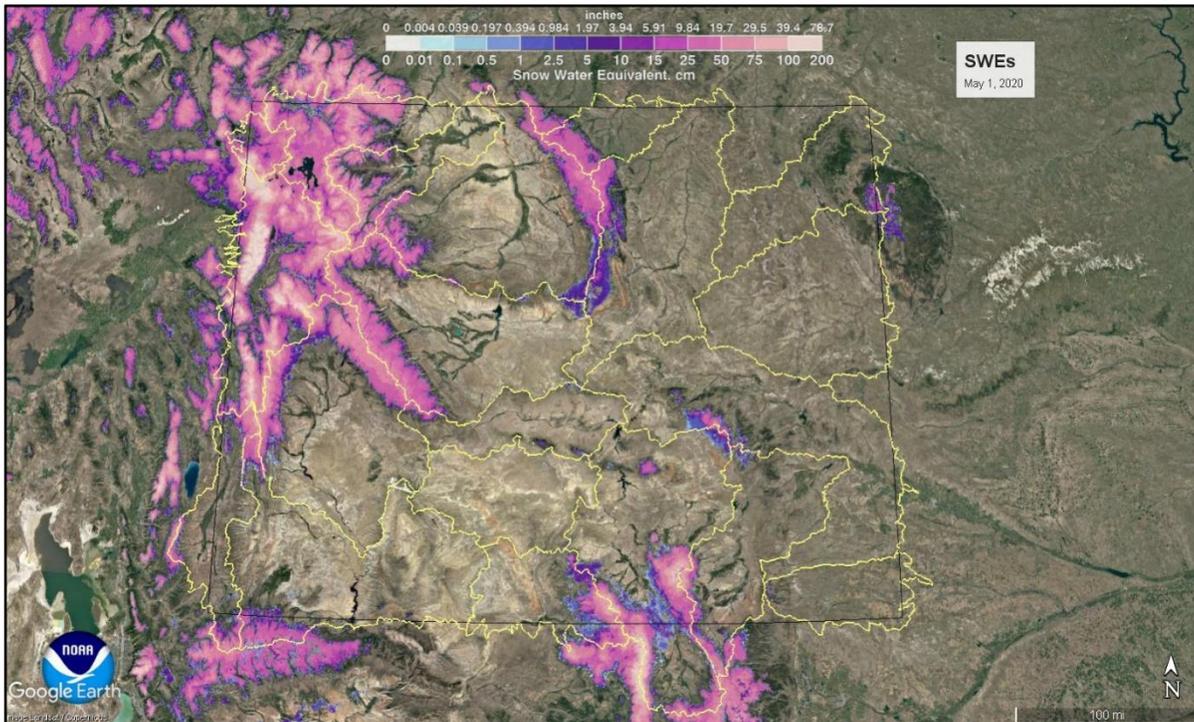
JUN - AUG



# SWE ANALYSIS FROM NOHRSC

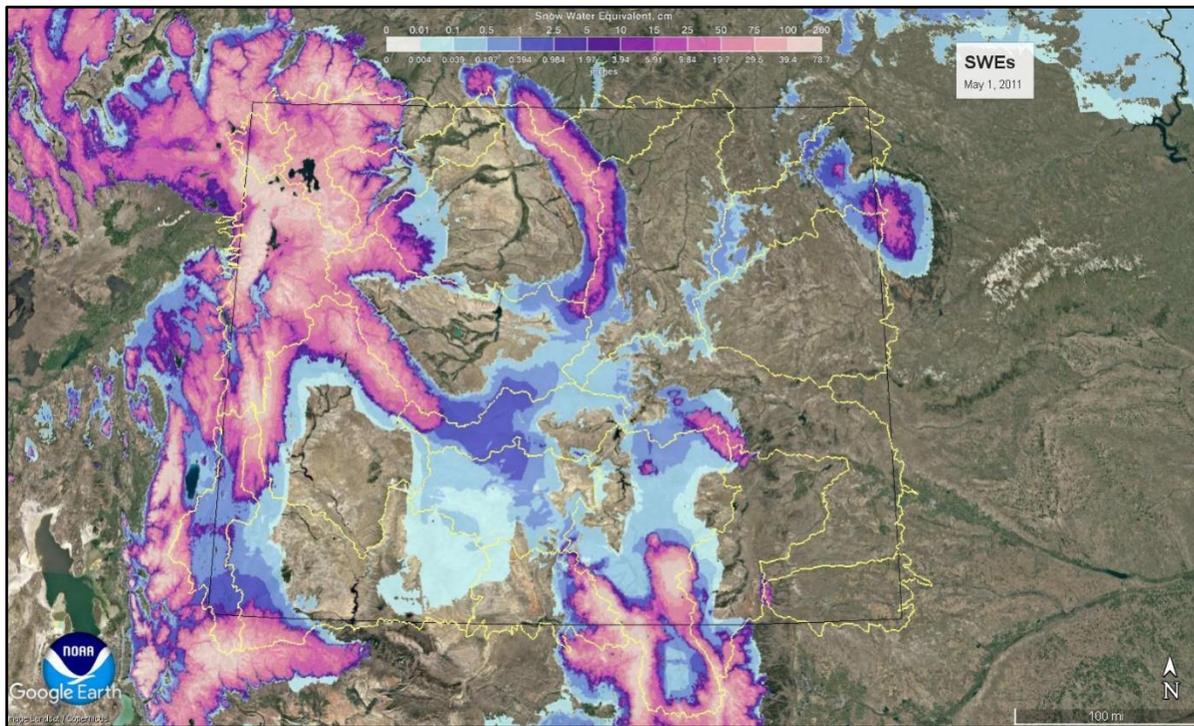


**MAY 1, 2021**



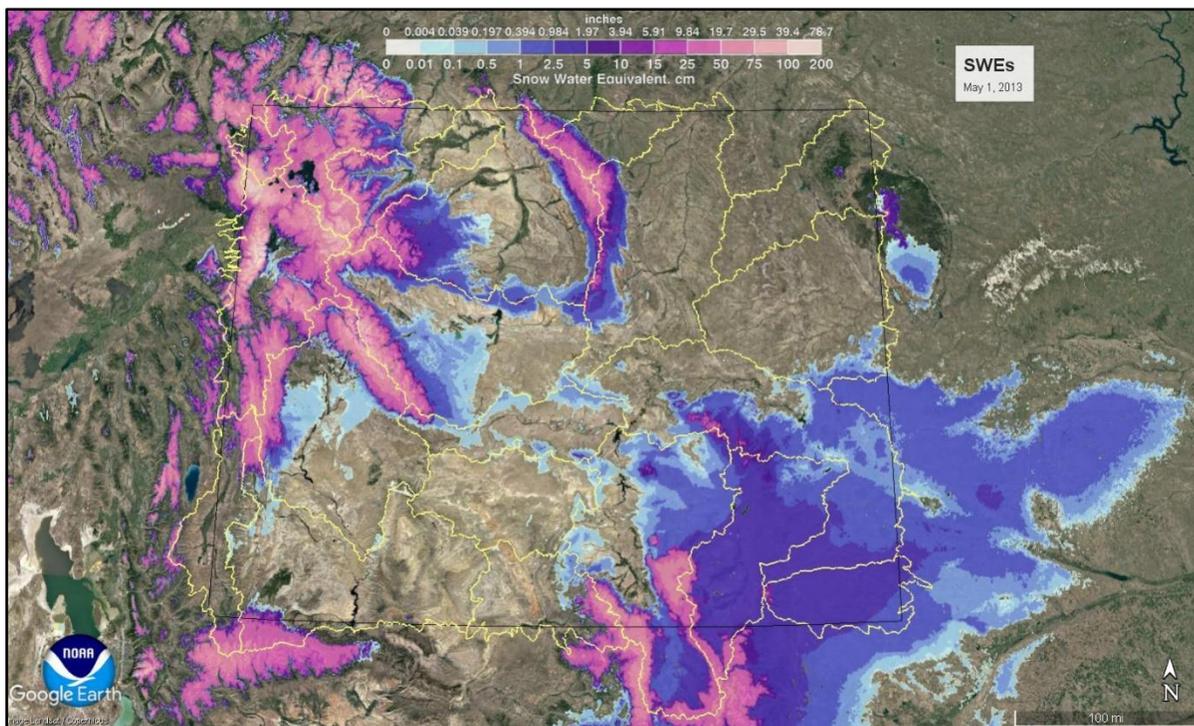
**MAY 1, 2020**

# Record High Runoff Water Year



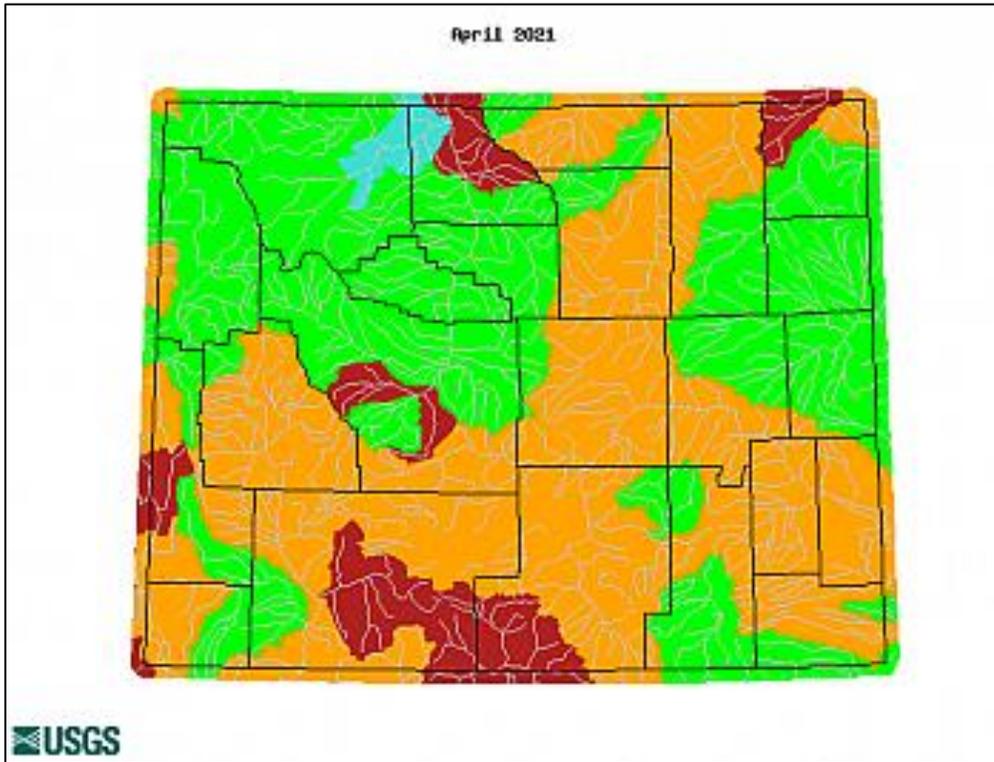
**MAY 1, 2011**

# Record Low Runoff Water Year

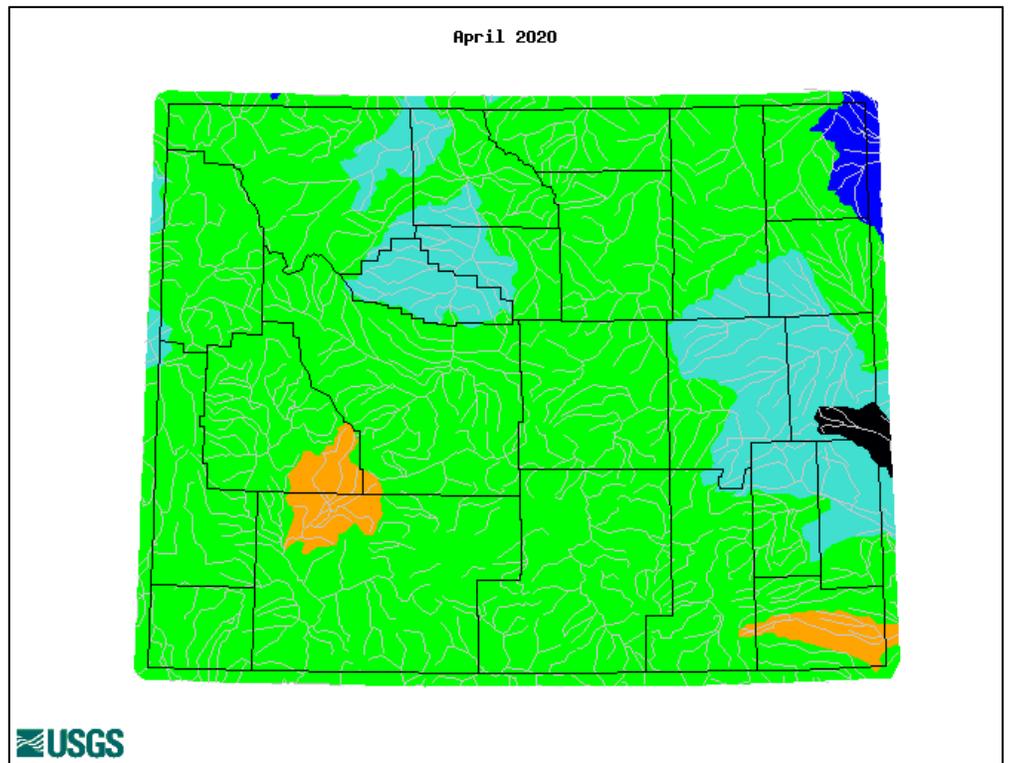


**MAY 1, 2013**

# MONTHLY STREAMFLOW

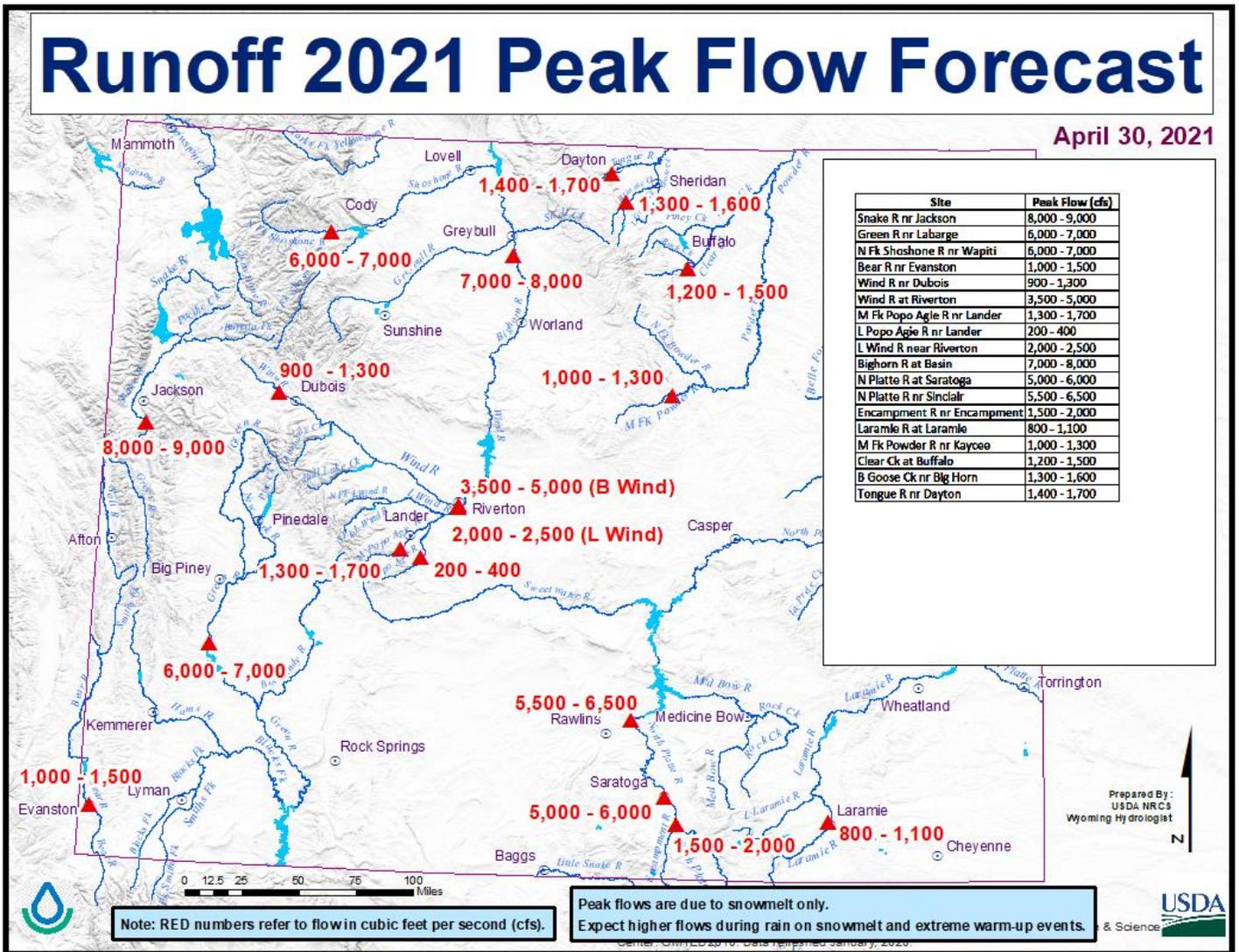


**APRIL 2020**



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

# SNOWMELT RUNOFF PEAK FLOW FORECAST



# TABULAR DATA

## Snowpack (SNOTEL/Snow Course) Data

**In Word double click the object below to view entire document**



SWE\_data\_0501202  
1.pdf

## Precipitation Data

**In Word double click the object below to view entire document**



Preicip\_data\_05012  
021.pdf

## Reservoir Data

**In Word double click the object below to view entire document**



Reservoir\_data\_050  
12021.pdf

## Stream Flow Forecasts

**In Word double click the object below to view entire document**



Streamflow\_forecas  
ts\_05012021.pdf

## LINKS (for more information/graphics)

### National Water Climate Center (NWCC)

- Interactive maps featuring current conditions of snow, precipitation, reservoir storages:

<https://www.nrcs.usda.gov/wps/portal/wcc/home/quicklinks/predefinedMaps/>

### Water Resources Data System and State Climate Office (WRDS)

- Clearinghouse of hydrological and climatological data for the State of Wyoming:

<http://www.wrds.uwyo.edu/>

### USGS WaterWatch

- Tools and products to monitor streamflow, runoff, drought, and floods:

<https://waterwatch.usgs.gov/index.php>

# Wyoming Basin Outlook Report

## National Resources Conservation Service

### Casper, Wyoming

**Issued by:**

Terry Crosby (Acting Chief)  
U.S.D.A.  
Natural Resources Conservation Service  
Washington D.C.

**Released by:**

Astrid Martinez  
State Con.  
N R C S  
Casper, Wyoming

**The Following Agencies and Organizations Cooperate with the Natural Resources Conservation Service with Snow Surveys and/or with Data:**

**FEDERAL:**

United States Department of the Interior (National Park Service)

United States Department of the Interior (Bureau of Reclamation)

United States Department of Agriculture (Forest Service)

United States Department of Commerce NOAA (National Weather Service)

**STATE:**

The Wyoming State Engineer's Office

The University of Wyoming

**LOCAL:**

The City of Cheyenne