

# Wyoming Basin & Water Supply Outlook Report

## May 1, 2025

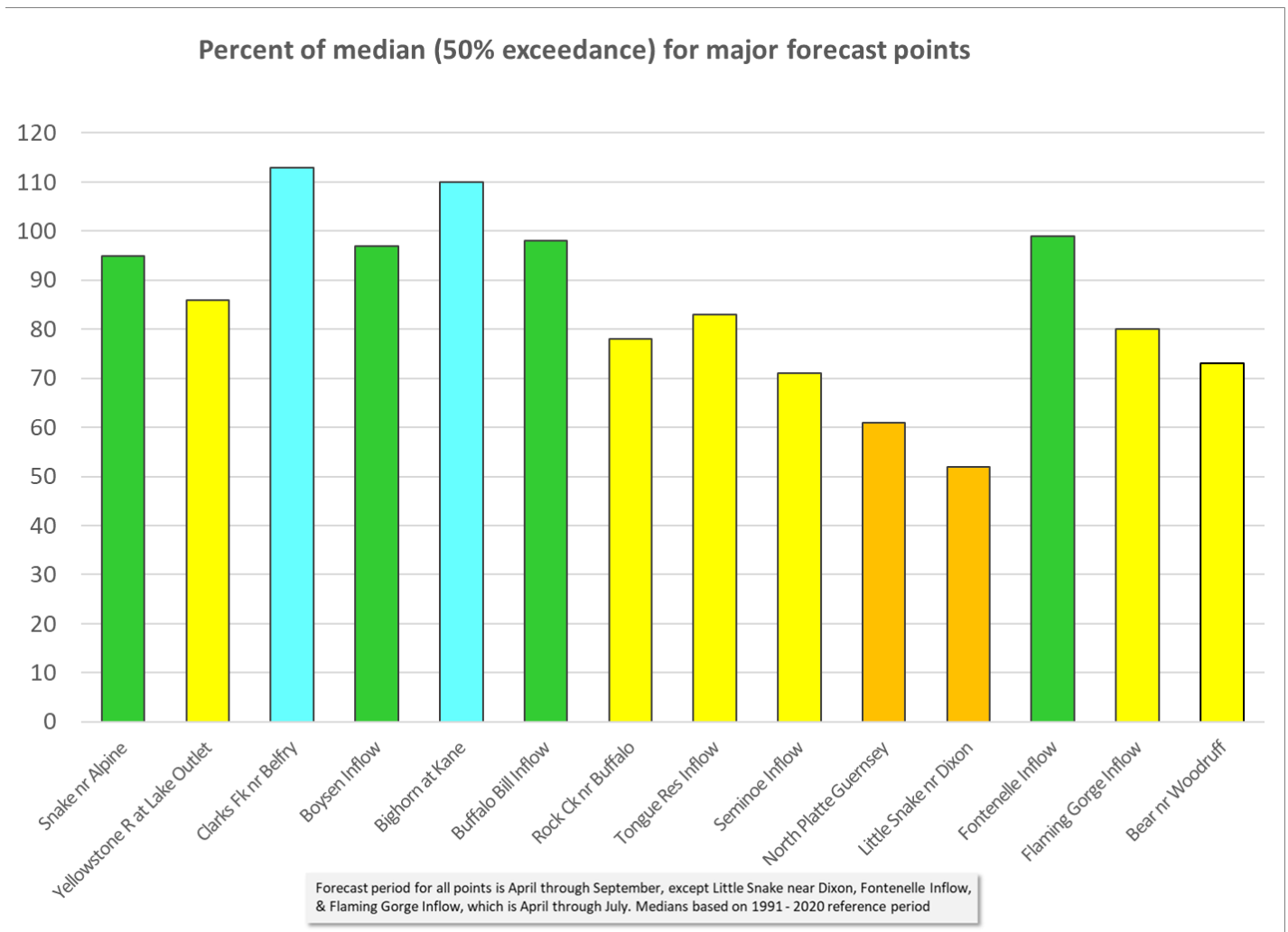
**Natural  
Resources  
Conservation  
Service**



Installation at Assastre Lake photo credit USDA-NRCS Wyoming 10/27/1971



## Forecasted stream flows for May 1<sup>st</sup>, 2025



Fifty percent exceedance probability for 2 out of 14 major forecast points are expected to be above 100% of normal. Fifty percent exceedance probability for 4 out of 14 major forecast points above are expected to be near 100% of normal. The highest is the Clarks Fork Yellowstone River near Belfry and is expected to be 113% of normal. Fifty percent exceedance probability for 8 major forecast points listed above are expected to be below 90% of normal.



# Basin Outlook Reports

## And

### Federal - State - Private Cooperative Snow Surveys

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#### *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.

Note: The median is the official normal for snowpack (SWE), precipitation, reservoir storage, and streamflow calculations. Please refer to the **Appendix** of this report for more detailed information.

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# Wyoming Basin & Water Supply Outlook Report

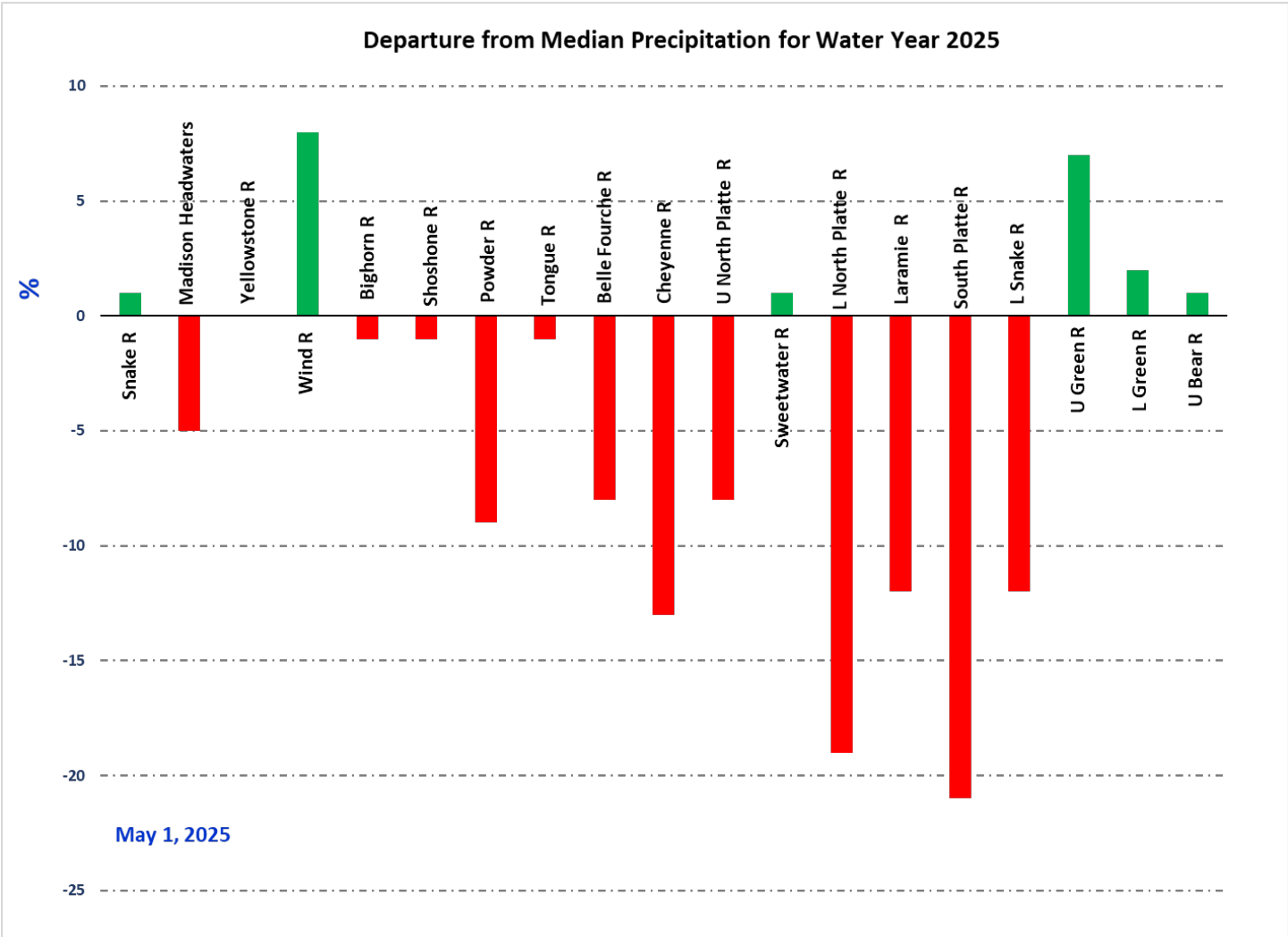
## Snowpack

Snow water equivalent (SWE) across Wyoming for May 1<sup>st</sup> was at 72% of median. SWE in the Tongue River Basin was the highest at 112% of median and lowest for the Belle Fourche and Cheyenne River Basin at 0% of median. On May 1<sup>st</sup>, 2025, the following basins were below 90% of median SWE recorded for the 1991 - 2020 interval: Belle Fourche, Cheyenne, Laramie, Little Snake, Lower Green, Lower North Platte, Madison Headwaters in WY, Powder, South Platte, Upper Bear, Upper Green, and Yellowstone. *See the map on page 6 and the Appendix for further information.*

## Precipitation

The Tongue Basin had the highest precipitation for the month at 126% of median. The Laramie Basin had the lowest precipitation amount for the month at 45% of median. The following graph displays the precipitation in major river basins and their departure from median for the water year beginning October 1<sup>st</sup>, 2024.

*See Appendix for further information.*





## Streams

Forecast median streamflow yields for May thru September in Wyoming basins (except Upper Green, Lower Green, Little Snake and Cheyenne) average 89%. Forecast median stream flow yields for May thru July in Upper Green, Lower Green, Little Snake, and Cheyenne average 97%, 84%, 63%, and 42%. The Snake River and Yellowstone River in Wyoming, basins should yield about 97% and 100% of median. Yields from the Wind and Bighorn River basins should be about 102% and 101% of median. Yields from the Shoshone River basin should be 98% of median. Yields from the Powder and Tongue River basins should be about 70% and 88% of median. Yield for the Cheyenne River basin should be about 42% of median. Yields for the Sweetwater, Upper North Platte, Lower North Platte, and Laramie Rivers of Wyoming should be about 112%, 78%, 56%, and 88% of median, respectively.

## Reservoirs

Reservoir storage was 94% of median across the entire state. Reservoirs in the Snake River basin are above median at 112%. Reservoirs in the Wind River basin are near median at 87%. Reservoirs on the Bighorn are 103% of median. The Buffalo Bill Reservoir on the Shoshone is above median at 97%. Reservoirs in the Belle Fourche and Cheyenne River basins are near median at 85% and 83% respectively. Reservoirs on the Upper and Lower North Platte River are above median at 92% and 90% respectively. Reservoirs on the Upper Green River are above median at 113%. Reservoirs on the Lower Green River are near median at 101%. *See below for further information.*

	Reservoir Storage Summary For the End of April 2025								
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Alcova	180.9	180.2	179.9	184.3	98%	98%	98%	101%	100%
Angostura	87.5	112.3	110.8	122.1	72%	92%	91%	79%	101%
Belle Fourche	146.5	159.5	160.0	178.4	82%	89%	90%	92%	100%
Big Sandy	29.0	45.5	23.5	38.3	76%	119%	61%	124%	194%
Bighorn Lake	798.5	783.1	777.4	1356.0	59%	58%	57%	103%	101%
Boysen	474.1	524.8	507.4	596.0	80%	88%	85%	93%	103%
Buffalo Bill	382.0	465.7	395.7	646.6	59%	72%	61%	97%	118%
Bull Lake	40.0	76.7	83.9	151.8	26%	51%	55%	48%	91%
Deerfield	14.7	15.1	15.1	15.2	97%	99%	99%	98%	100%
Eden	6.8	9.8	6.3	11.8	58%	83%	53%	108%	156%
Flaming Gorge Reservoir	3143.9	3150.7	3114.0	3749.0	84%	84%	83%	101%	101%
Fontenelle	146.9	136.1	131.4	344.8	43%	39%	38%	112%	104%
Glendo	363.6	412.3	431.3	506.4	72%	81%	85%	84%	96%
Grassy Lake	12.4	13.9	13.6	15.2	82%	92%	89%	92%	102%
Guernsey	28.7	28.5	26.6	45.6	63%	63%	58%	108%	107%
High Savery Reservoir	15.1	19.7	15.0	22.4	67%	88%	67%	100%	131%
Jackson Lake	674.8	676.8	600.7	847.0	80%	80%	71%	112%	113%
Keyhole	117.3	129.4	149.0	193.8	61%	67%	77%	79%	87%
Meeks Cabin Reservoir	16.0	26.7	15.6	32.5	49%	82%	48%	103%	171%
Pactola	47.5	53.4	54.9	55.0	86%	97%	100%	86%	97%
Pathfinder	577.2	748.9	603.0	1016.5	57%	74%	59%	96%	124%
Pilot Butte	26.2	25.7	27.2	31.6	83%	81%	86%	96%	94%
Seminole	493.5	662.0	565.6	1016.7	49%	65%	56%	87%	117%
Stateline Reservoir	6.1	10.5	6.5	12.0	51%	87%	54%	94%	161%
Tongue River Res	NA	68.6	55.0	79.1	NA	87%	70%	NA	125%
Viva Naughton Res	32.7	34.9	32.8	42.4	77%	82%	77%	100%	106%
Wheatland #2	32.5	71.1	59.7	98.9	33%	72%	60%	54%	119%
Woodruff Creek	4.0	4.0	4.0	4.0	100%	100%	100%	100%	100%
Woodruff Narrows Reservoir	55.8	52.0	55.5	57.3	97%	91%	97%	101%	94%

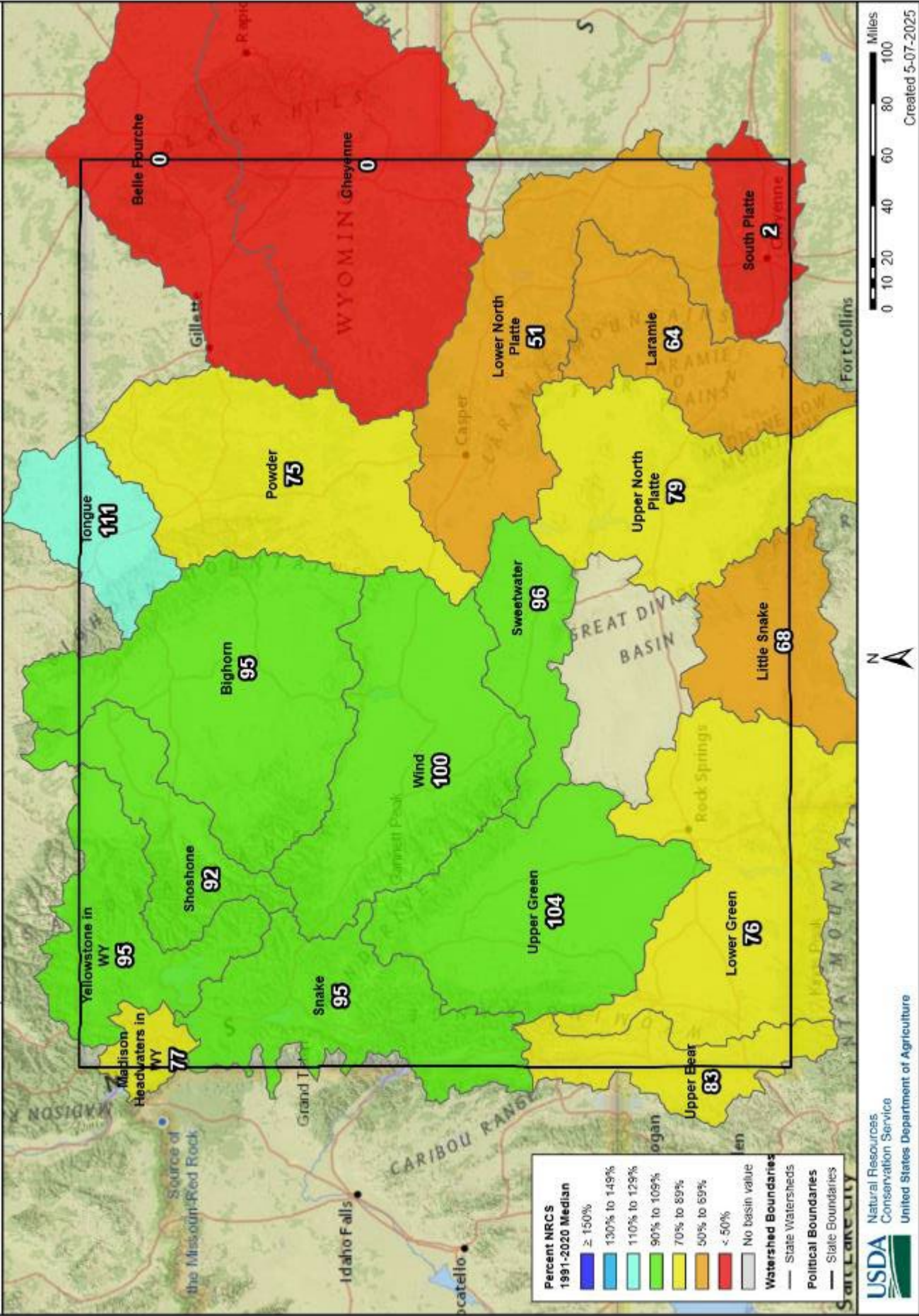


Snow Water Equivalent	Wyoming Basins Percent NRCS 1991-2020 Median	May 1st, 2025
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Snow Water Equivalent

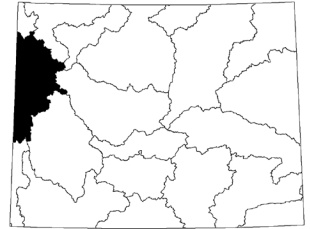
Wyoming Basins  
Percent NRCS 1991-2020 Median

May 1st, 2025





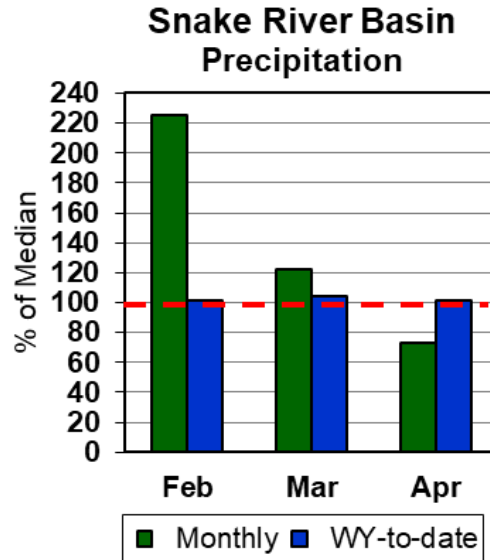
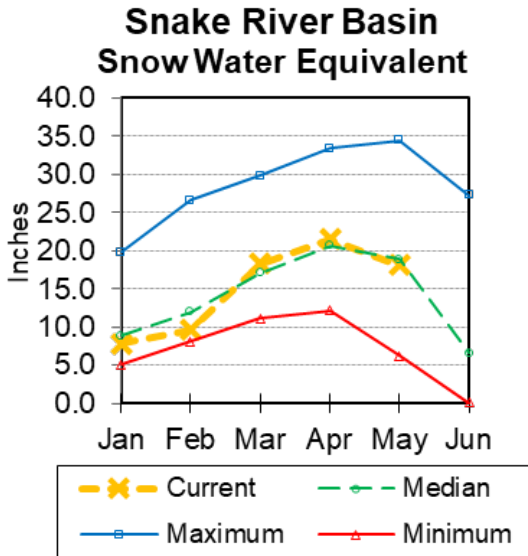
# Snake River Basin



## Snow

The overall Snake River basin SWE (portion above Palisades dam) is 96% of median. SWE in the Snake River Basin above Jackson Lake is 90% of median. Pacific Creek basin SWE is 102% of median. Buffalo Fork SWE is 88% of median. Gros Ventre River basin SWE is 100% of median. SWE in the Hoback River drainage is 98% of median. SWE in the Greys River drainage is 114% of median. Salt River Basin SWE is 112% of median.

*See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation for the Snake River Basin was 73% of median. Water-year-to-date precipitation is 101% of median.

## Reservoirs

Current reservoir storage is 112% of median for the two storage reservoirs in the basin.

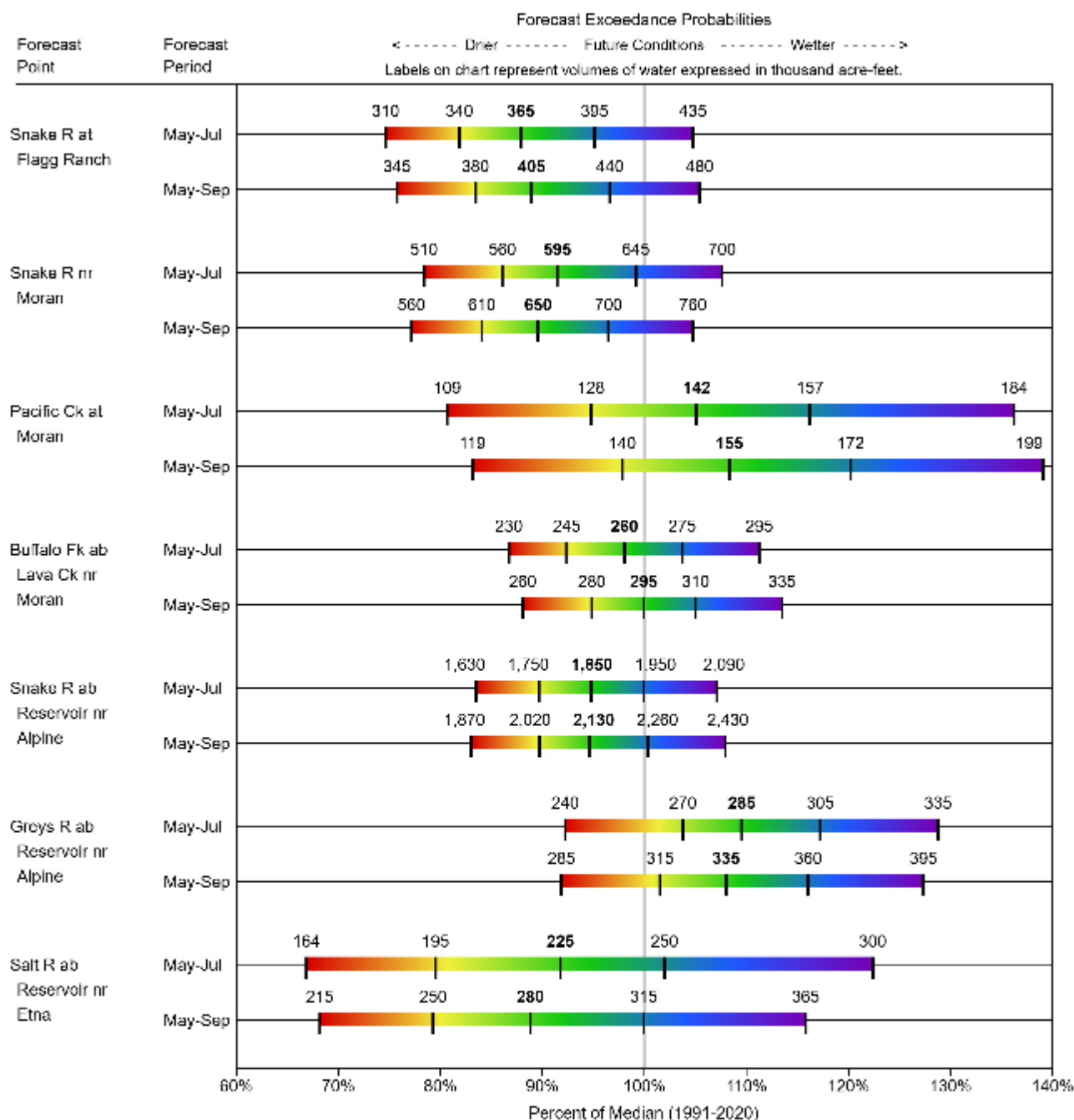
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Grassy Lake	12.4	13.9	13.6	15.2	82%	92%	89%	92%	102%
Jackson Lake	674.8	676.8	600.7	847.0	80%	80%	71%	112%	113%
<b>Basin Index</b>					80%	80%	71%	112%	112%
# of reservoirs					2	2	2	2	2

## Streamflow

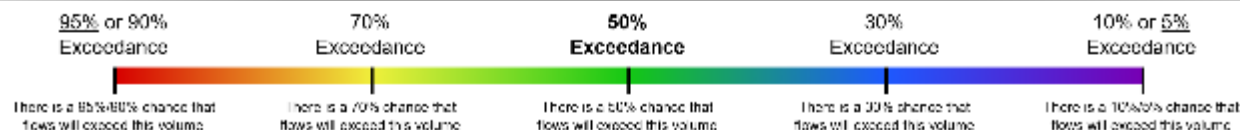
The 50% exceedance forecasts for May through September are near median for this basin. The Snake near Moran yield should be 90% of median. Snake River above reservoir near Alpine will yield about 95%. Pacific Creek near Moran yield will be around 108%. Buffalo Fork above Lava near Moran will be around 100% of median. Greys River above reservoir near Alpine should yield about 108%. Salt River near Etna yield will be about 89%. *See the following graph for further information.*



# SNAKE Water Supply Forecasts May 1, 2025



## Legend



When selected, the following historic streamflow values and statistics will be shown.

Period of Record Minimum Streamflow KAF (Year)

1991-2020 Normal Streamflow KAF

Observed Streamflow KAF

Period of Record Maximum Streamflow KAF (Year)

Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

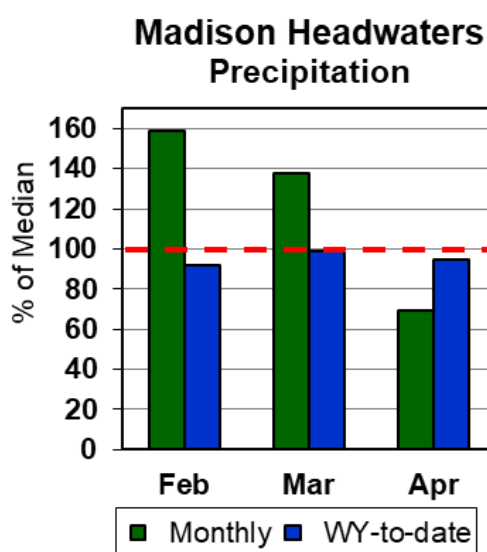
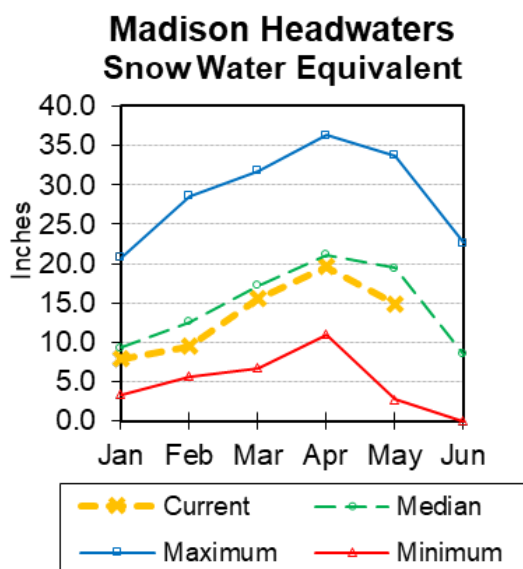


## Madison Headwaters in Wyoming



### Snow

SWE is 77% of median in the Madison Headwaters in Wyoming drainage. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month precipitation in the Madison Headwaters drainage was 68% of median. Water-year-to-date precipitation is at 95% of median.

### Reservoirs

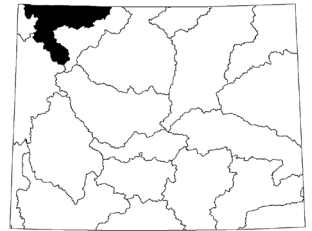
No reservoir data.

### Streamflow

There are no streamflow forecast points for the basin.

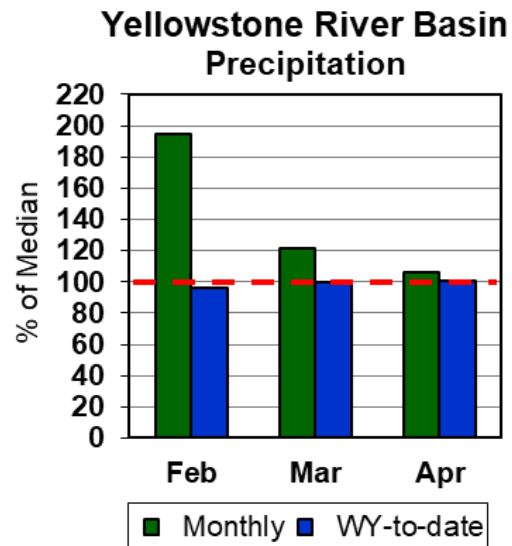
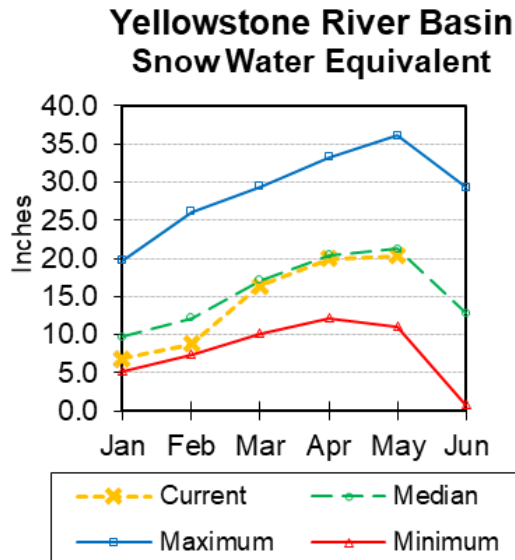


# Yellowstone River Basin



## Snow

SWE in the Yellowstone River Basin is 96% of median. SWE in the Clarks Fork Drainage of the Yellowstone River basin in Wyoming is 105% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation in the Yellowstone River Basin was 105% of median. Water-year-to-date precipitation is 100% of median.

## Reservoirs

No reservoir data.

## Streamflow

The 50% exceedance forecasts for May through September are at normal for the basin. Yellowstone at Lake Outlet will yield around 86% of median. Clarks Fork of the Yellowstone near Belfry will yield around 113%.

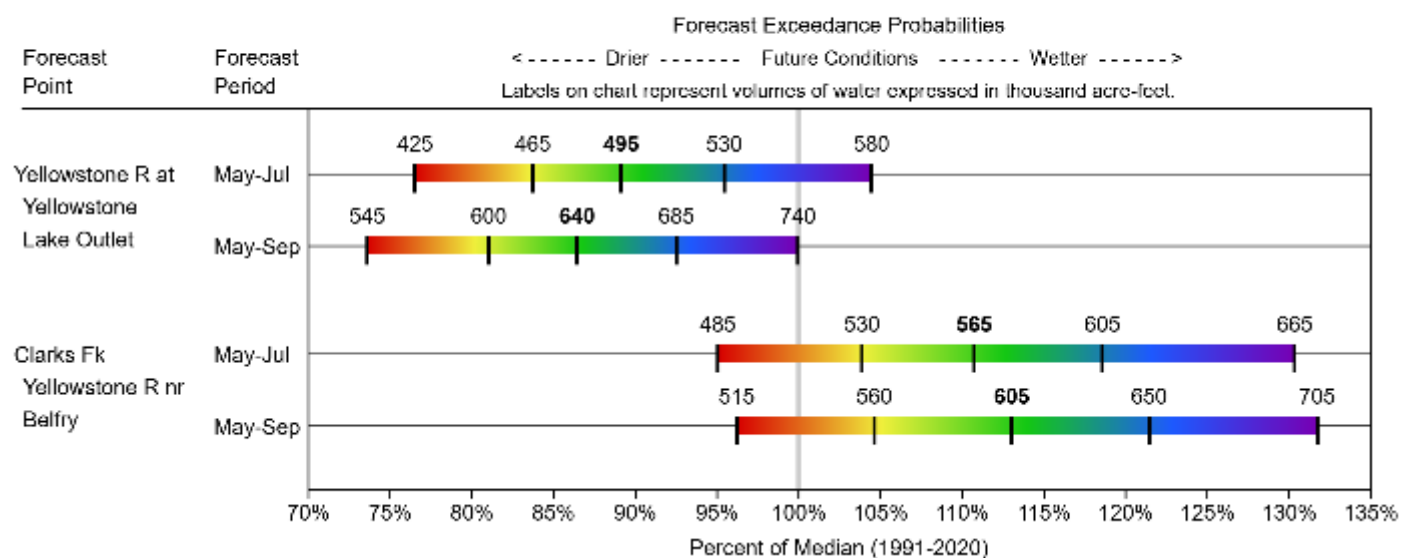
*See the following graph for detailed information.*



# YELLOWSTONE IN WY

## Water Supply Forecasts

May 1, 2025



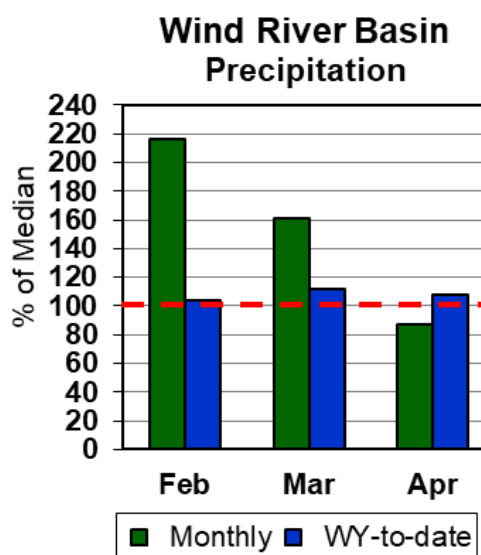
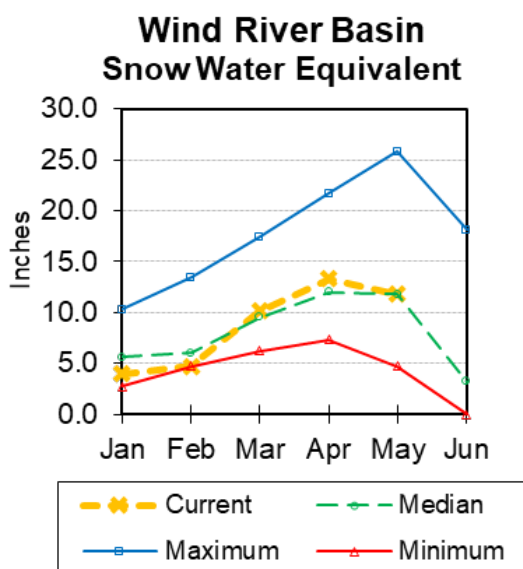


# Wind River Basin



## Snow

Wind River basin SWE (above Boysen Reservoir) is 100% of median. SWE in the Wind River above Dubois is 91% of median. Little Wind SWE is 95% of median, and Popo Agie drainage SWE is 102% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation for the basin was 87% of median. Water year-to-date precipitation is 108% of median.

## Reservoirs

Current storage is 87% of median in the basin.

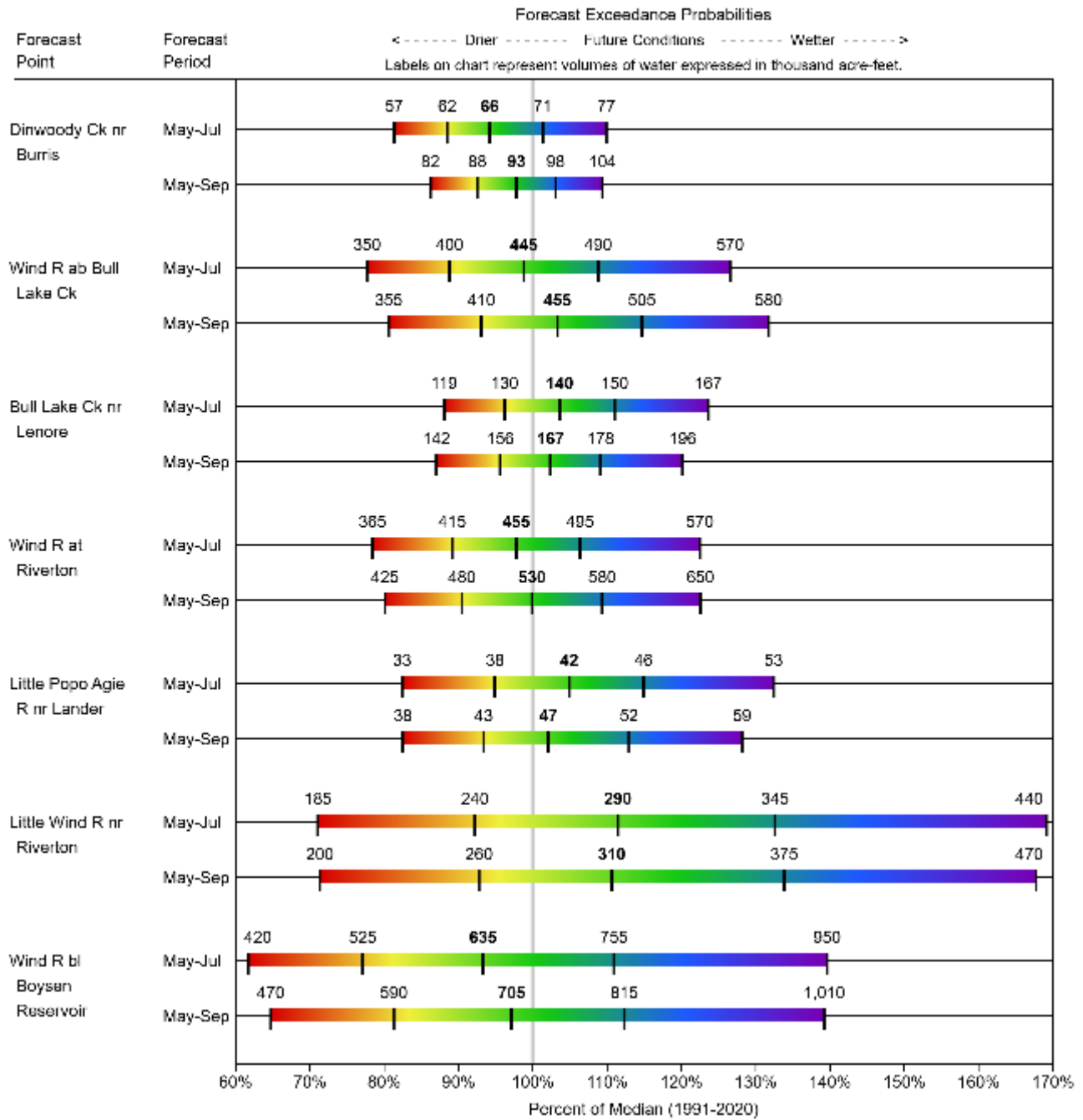
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Pilot Butte	26.2	25.7	27.2	31.6	83%	81%	86%	96%	94%
Boysen	474.1	524.8	507.4	596.0	80%	88%	85%	93%	103%
Bull Lake	40.0	76.7	83.9	151.8	26%	51%	55%	48%	91%
<b>Basin Index</b>					69%	80%	79%	87%	101%
# of reservoirs					3	3	3	3	3

## Streamflow

The 50% exceedance forecasts for the May through September runoff period are near normal for the Wind River. The Wind River above Bull Lake Creek will yield about 103% of median. Little Popo Agie River near Lander should yield around 102% of median. Little Wind River near Riverton will yield around 112% of median. Boysen Reservoir inflow will yield about 97% of median. *See the following graph for detailed runoff volumes.*



**WIND**  
**Water Supply Forecasts**  
**May 1, 2025**



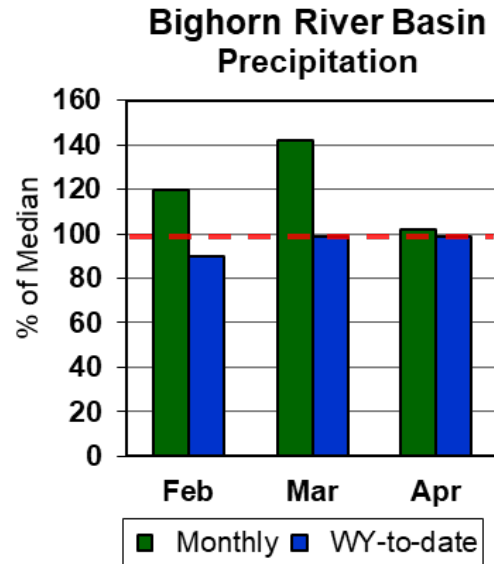
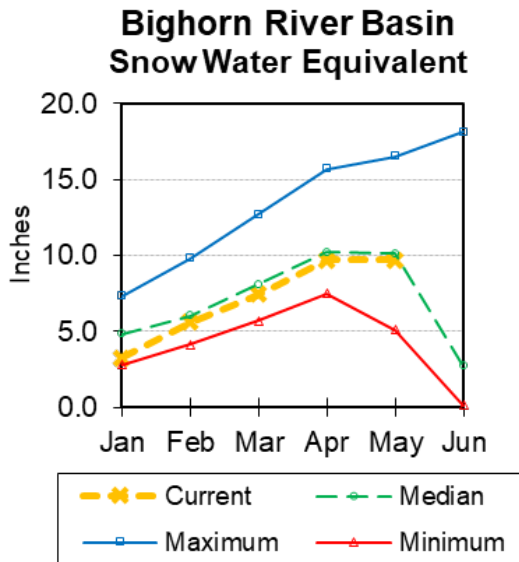


# Bighorn River Basin



## Snow

The Bighorn River Basin SWE (above Bighorn Reservoir) is 96% of median. The Greybull River SWE is at 129% of median. Shell Creek SWE is at 106% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 102% of median. Year-to-date precipitation is 99% of median.

## Reservoirs

Current reservoir storage in the basin is 103% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Bighorn Lake	798.5	783.1	777.4	1356.0	59%	58%	57%	103%	101%
<b>Basin Index</b>					59%	58%	57%	103%	101%
# of reservoirs					1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the May through September runoffs are near normal. The Greybull River near Meeteetse should yield 111% of median. Shell Creek near Shell should yield around 82% of median. The Bighorn River at Kane should yield around 110% of median.

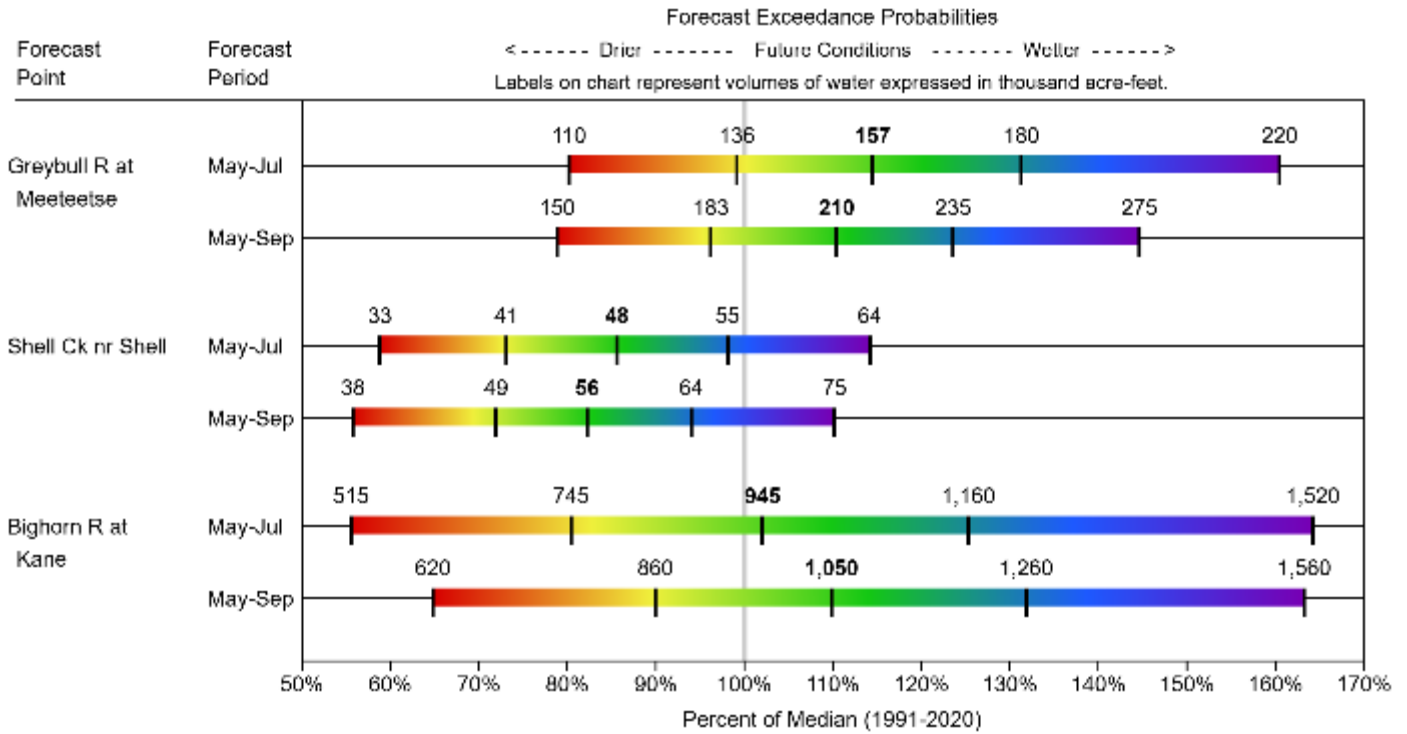
*See the following graph for detailed runoff volumes.*



# BIGHORN

## Water Supply Forecasts

### May 1, 2025



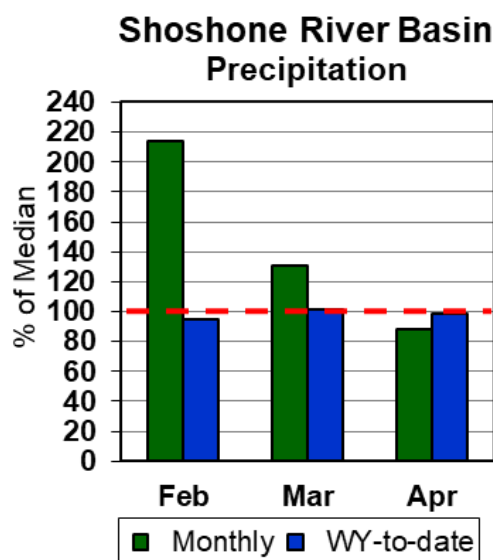
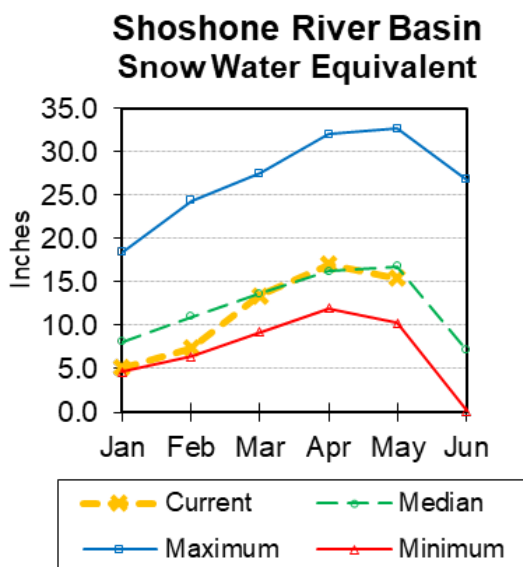


# Shoshone River Basin



## Snow

Snow Water Equivalent (SWE) is 92% of median in this basin. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation for last month was 88% of median. The basin year-to-date precipitation is now 99% of median.

## Reservoirs

Current storage in Buffalo Bill Reservoir is about 97% of median.

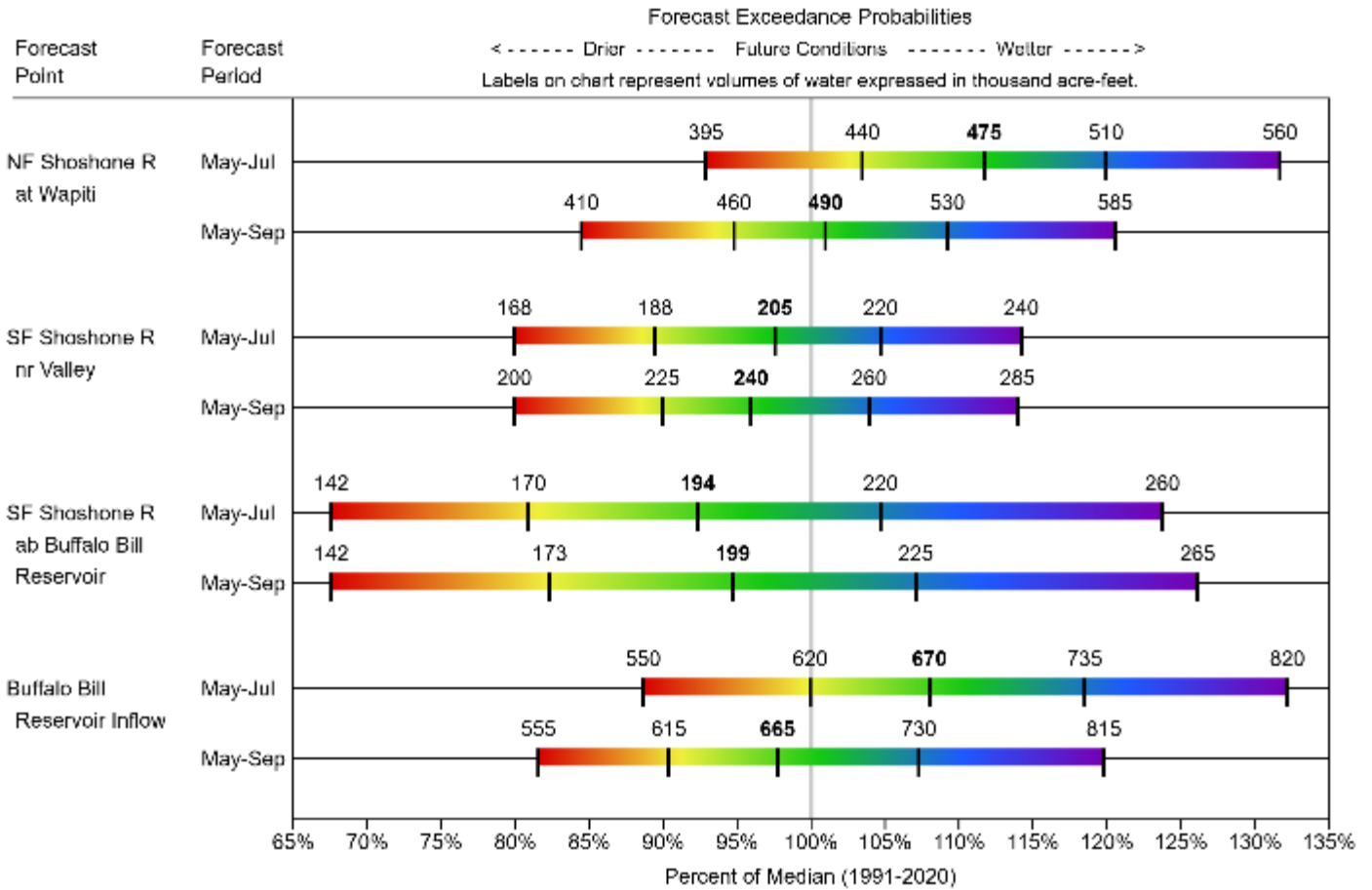
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Buffalo Bill	382.0	465.7	395.7	646.6	59%	72%	61%	97%	118%
<b>Basin Index</b>					59%	72%	61%	97%	118%
# of reservoirs					1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the May through September period are near normal for the basin. The North Fork Shoshone River at Wapiti should yield 101% of median. The South Fork of the Shoshone River near Valley should yield 96% of median. The Buffalo Bill Reservoir inflow should yield 98% of median. *See the following graph for detailed runoff volumes.*



**SHOSHONE**  
**Water Supply Forecasts**  
**May 1, 2025**



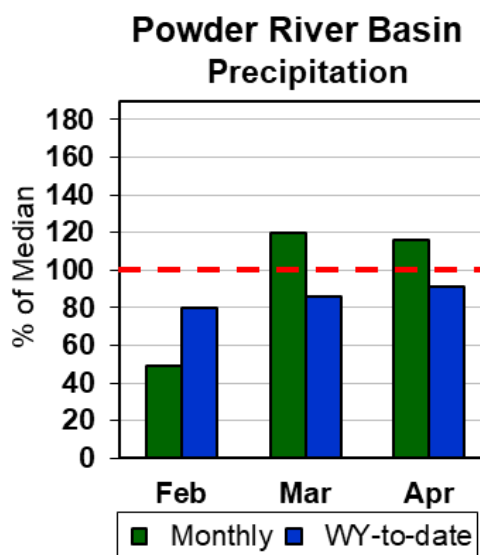
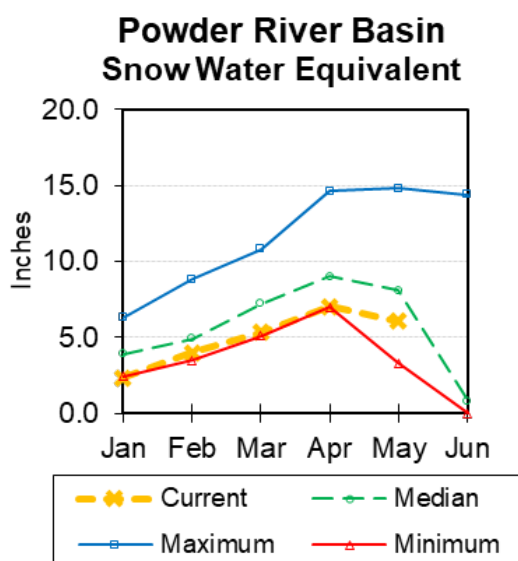


# Powder River Basin



## Snow

Powder River Basin SWE is at 75% of median. SWE in the Clear Creek drainage is 85% of median. *See appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 115% of median in the basin. Year-to-date precipitation is 91% of median.

## Reservoirs

No reservoir data for this basin.

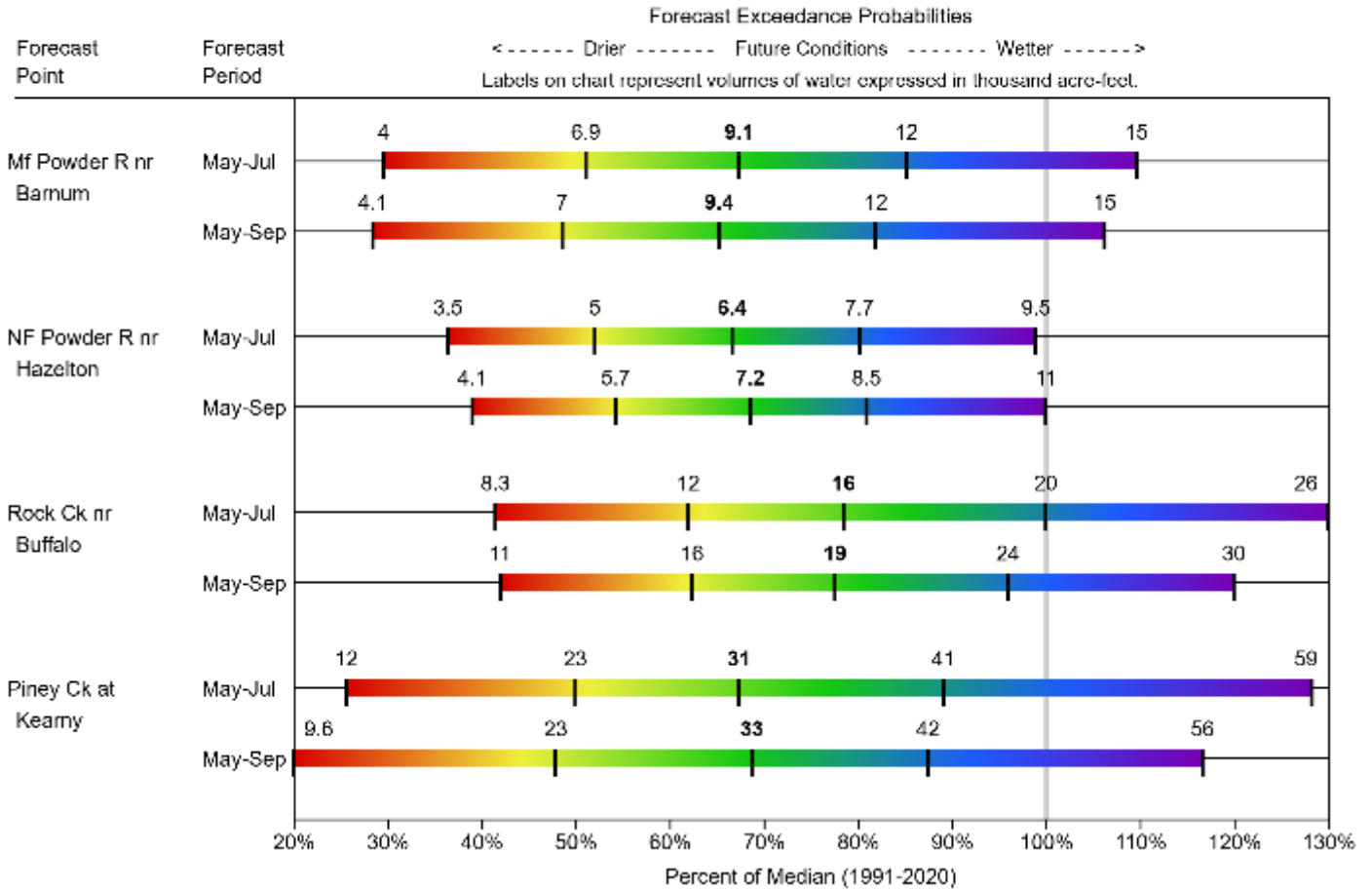
## Streamflow

The 50% exceedance forecasts for the May through September period are below normal for the basin. The Middle Fork of the Powder River near Barnum should yield around 65% of median. The North Fork of the Powder River near Hazelton to yield around 69% of median.

*See the following graph for detailed runoff volumes.*

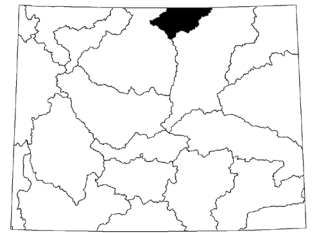


**POWDER**  
**Water Supply Forecasts**  
**May 1, 2025**



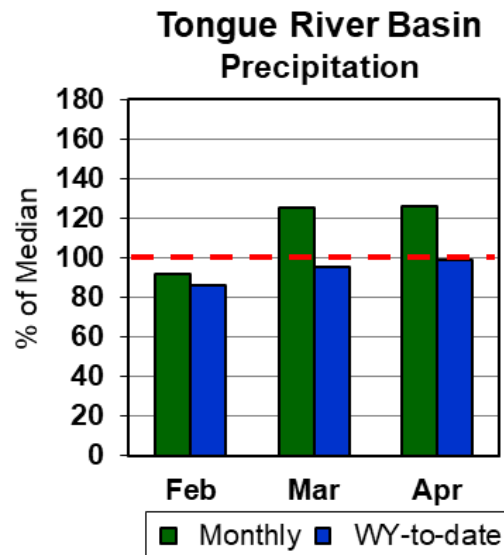
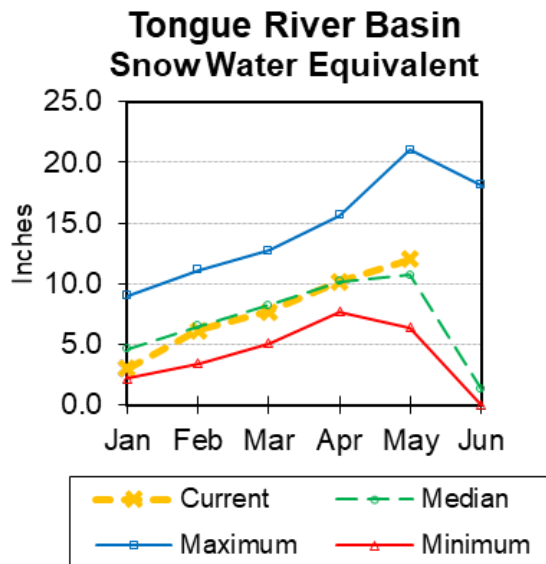


## Tongue River Basin



### Snow

Upper Tongue River drainage SWE is at 112% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation was 126% of median. Year-to-date precipitation is 99% of median in the basin.

### Reservoirs

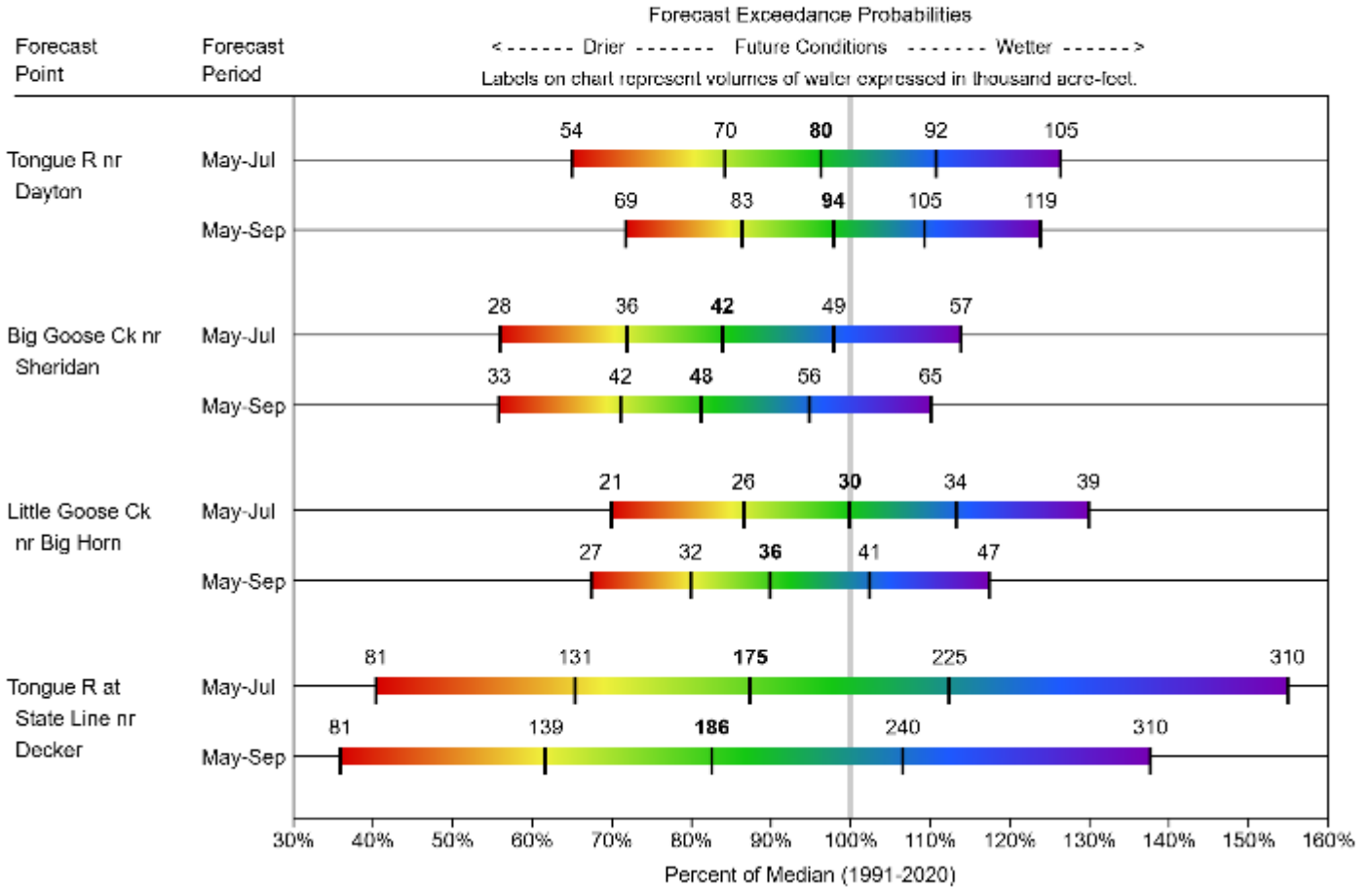
No reservoir data for this basin.

### Streamflow

The 50% exceedance forecasts for the May through September period are below normal for the basin. The yield for Tongue River near Dayton is forecasted to be 98% of median. Big Goose Creek near Sheridan should yield around 81%. Little Goose Creek near Bighorn should yield 90% of median. The Tongue River Reservoir Inflow should yield 83% of median. *See below for detailed runoff volumes.*

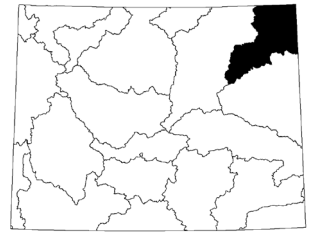


**TONGUE**  
**Water Supply Forecasts**  
**May 1, 2025**





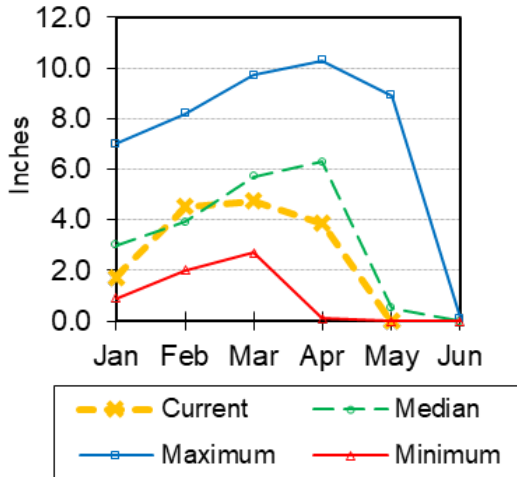
## Belle Fourche River Basin



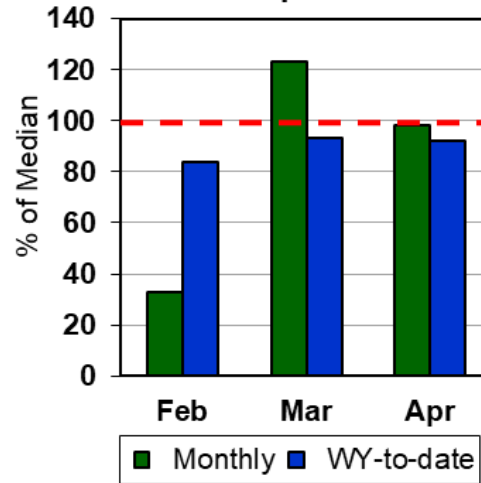
### Snow

Currently the Belle Fourche River Basin SWE is at 0% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*

**Belle Fourche River Basin  
Snow Water Equivalent**



**Belle Fourche River Basin  
Precipitation**



### Precipitation

Precipitation for last month was 98% of median in the Belle Fourche basin. Year-to-date precipitation is 92% of median.

### Reservoirs

Combined storage for the 2 reservoirs in the basin is at 85% of median.

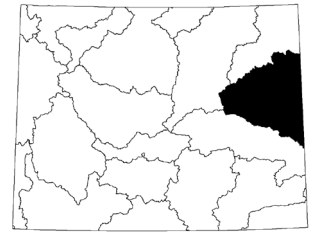
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Belle Fourche	146.5	159.5	160.0	178.4	82%	89%	90%	92%	100%
Keyhole	117.3	129.4	149.0	193.8	61%	67%	77%	79%	87%
<b>Basin Index</b>					71%	78%	83%	85%	93%
# of reservoirs					2	2	2	2	2

### Streamflow

There are no streamflow forecast points for the basin.

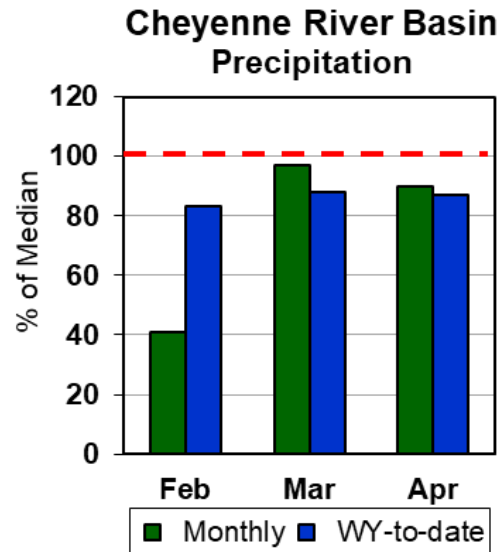
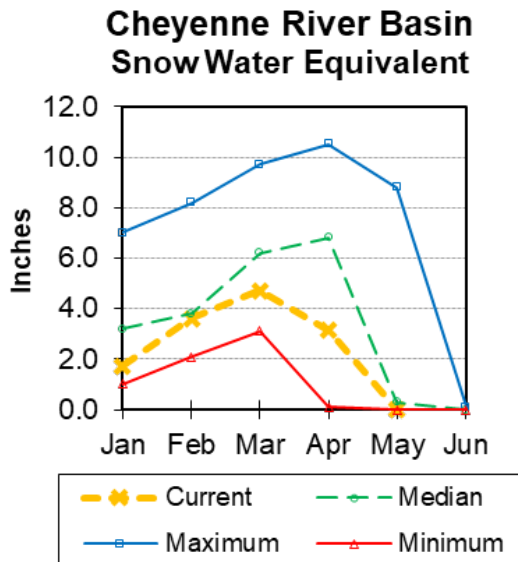


# Cheyenne River Basin



## Snow

Currently SWE for sites in the Cheyenne River Basin are at 0% of median. *See Appendix at the end of this report for a detailed listing.*



## Precipitation

Precipitation for last month was 90% of median. Year-to-date precipitation is 87% of median.

## Reservoirs

Combined storage for the 3 reservoirs in the basin is at 83% of median.

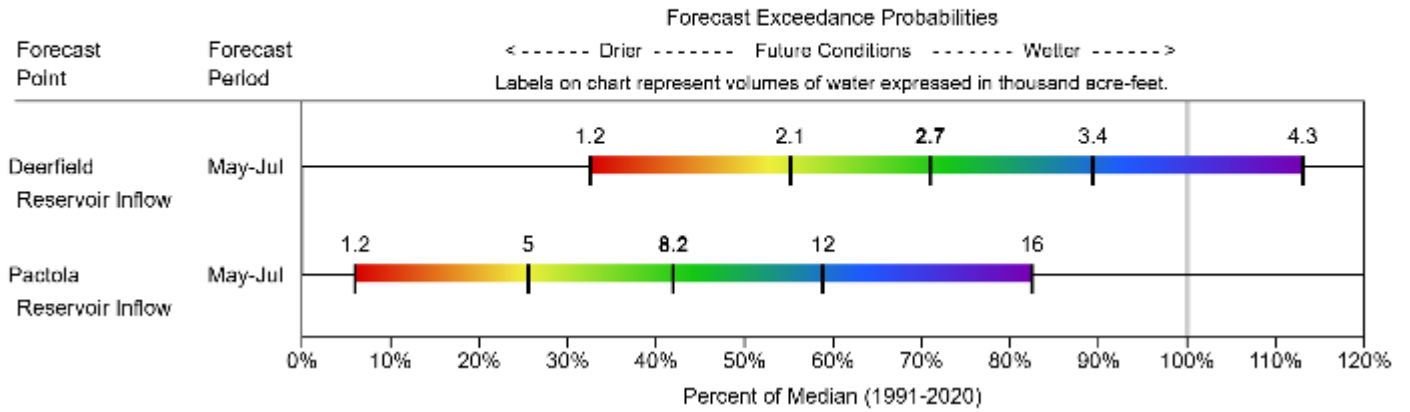
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Deerfield	14.7	15.1	15.1	15.2	97%	99%	99%	98%	100%
Pactola	47.5	53.4	54.9	55.0	86%	97%	100%	86%	97%
Angostura	87.5	112.3	110.8	122.1	72%	92%	91%	79%	101%
<b>Basin Index</b>					78%	94%	94%	83%	100%
# of reservoirs					3	3	3	3	3

## Streamflow

The 50% exceedance forecasts for the May through July period are below normal. The Deerfield Reservoir Inflow yield is forecasted at 71% of median. Pactola Reservoir Inflow yield should be 42% of median. *See the following graph for detailed runoff volumes.*

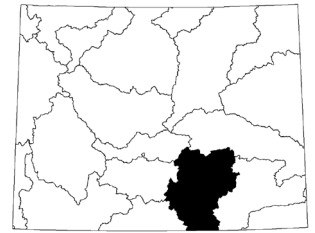


**CHEYENNE**  
**Water Supply Forecasts**  
**May 1, 2025**





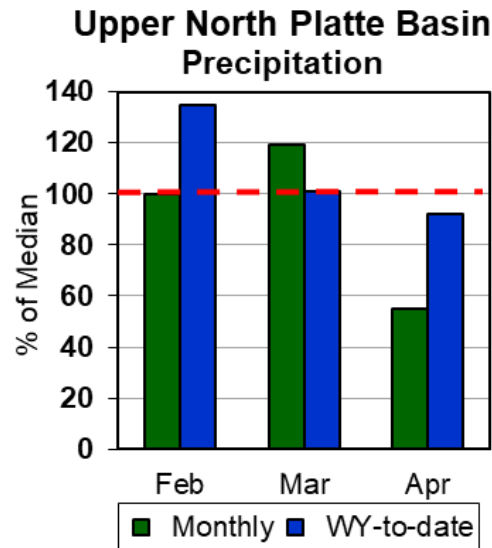
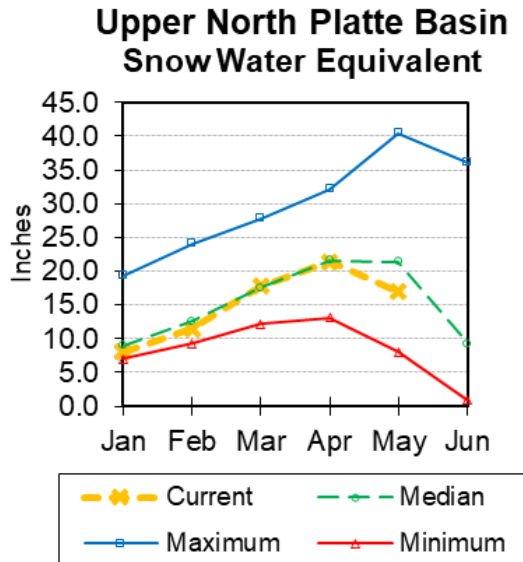
# Upper North Platte River Basin



## Snow

The Upper North Platte River basin SWE is 79% of median. North Platte above Northgate SWE is 80% of median. Encampment River SWE is 78% of median. Medicine Bow and Rock Creek SWE are 97% of median.

*See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 55% of median. Total water-year-to-date precipitation is 92% of median.

## Reservoirs

Combined storage for reservoirs in the Upper North Platte River Basin is at 92% of median.

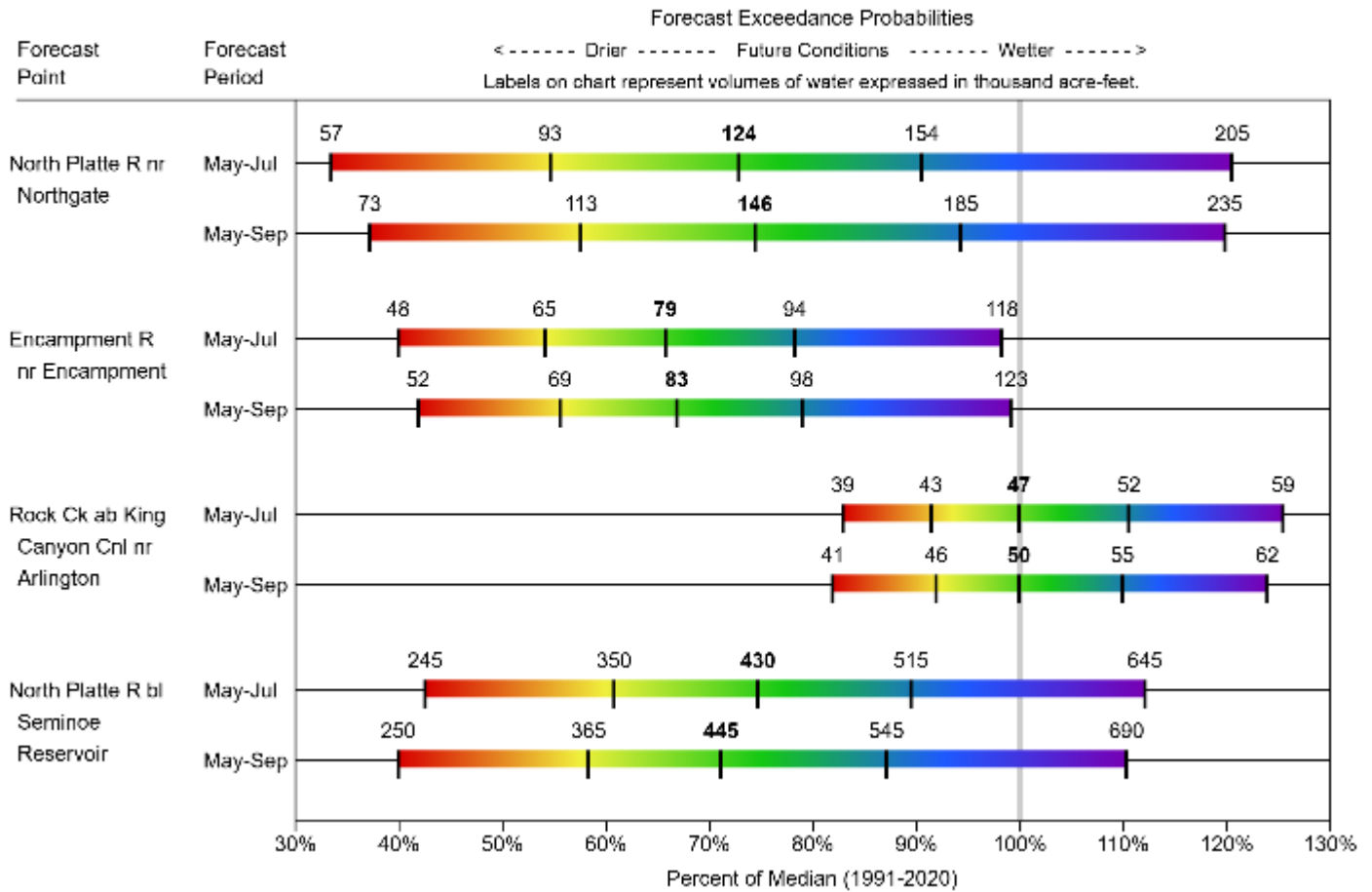
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Seminole	493.5	662.0	565.6	1016.7	49%	65%	56%	87%	117%
Pathfinder	577.2	748.9	603.0	1016.5	57%	74%	59%	96%	124%
<b>Basin Index</b>					53%	69%	57%	92%	121%
# of reservoirs					2	2	2	2	2

## Streamflow

The 50% exceedance forecasts for the May through September period are below normal for the Upper North Platte River Basin. The yield for the North Platte River near Northgate will be around 74% of median. The Encampment River near Encampment yield will be about 67%. Rock Creek near Arlington yield will be around 100%. Seminole Reservoir inflow should be about 71% of median. *See the following page for more detailed information on projected runoff*



# UPPER NORTH PLATTE Water Supply Forecasts May 1, 2025



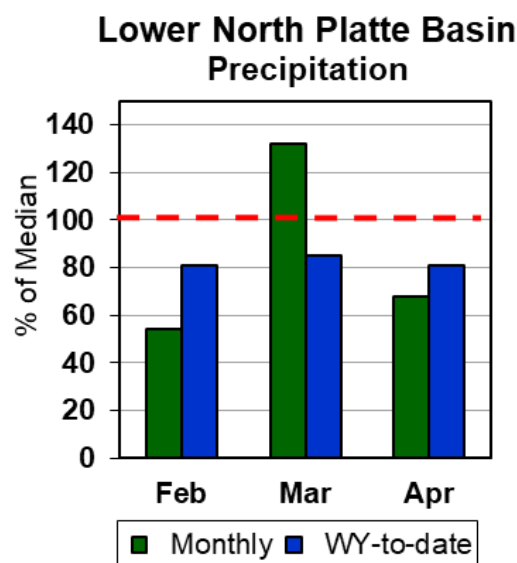
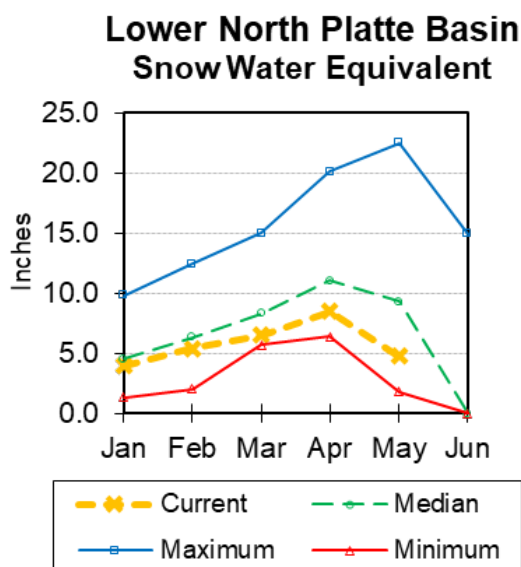


## Lower North Platte River Basin



### Snow

Currently, SWE in the Lower North Platte River Basin is 51% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation was 68% of median. The water year-to-date precipitation for the basin is currently 81% of median.

### Reservoirs

Combined storage for the 3 reservoirs in the basin is at 90% of median.

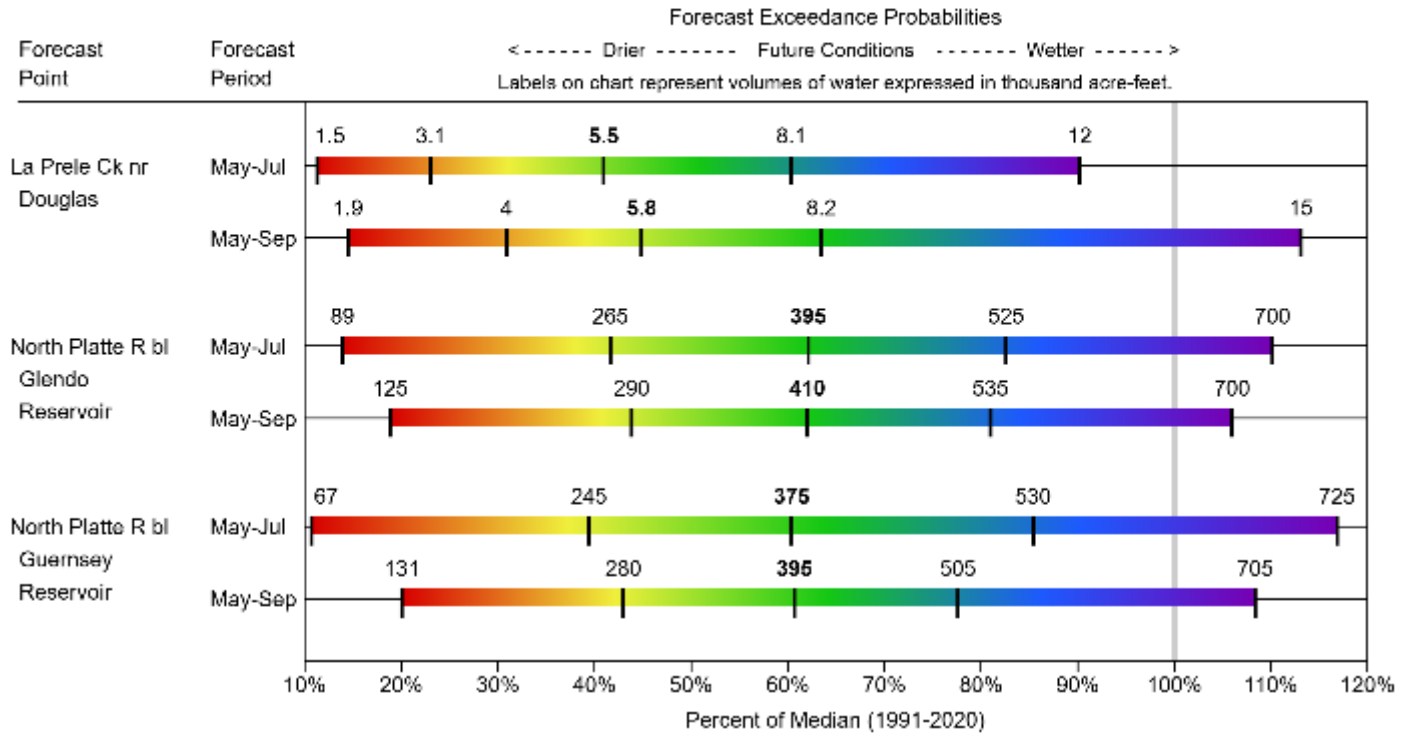
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Guernsey	28.7	28.5	26.6	45.6	63%	63%	58%	108%	107%
Glendo	363.6	412.3	431.3	506.4	72%	81%	85%	84%	96%
Alcova	180.9	180.2	179.9	184.3	98%	98%	98%	101%	100%
<b>Basin Index</b>					78%	84%	87%	90%	97%
# of reservoirs					3	3	3	3	3

### Streamflow

The 50% exceedance forecasts for the May through September period are below normal. LaPrele Creek near Douglas is forecasted to yield 45% of median. North Platte River below Guernsey Reservoir should yield around 61% of median. *See the following for more detailed information on projected runoff.*

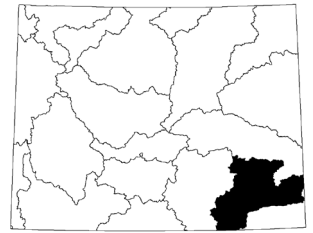


# **LOWER NORTH PLATTE** **Water Supply Forecasts** **May 1, 2025**



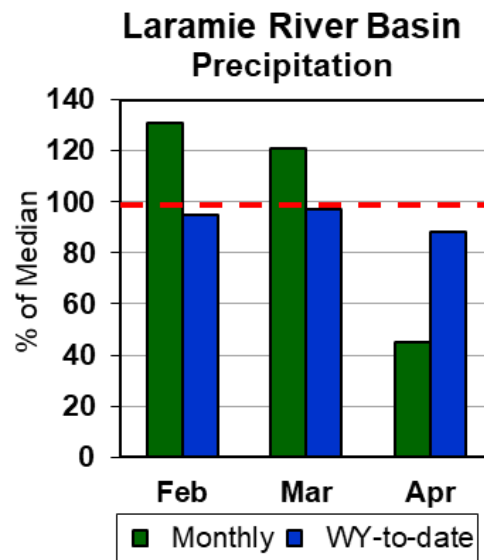
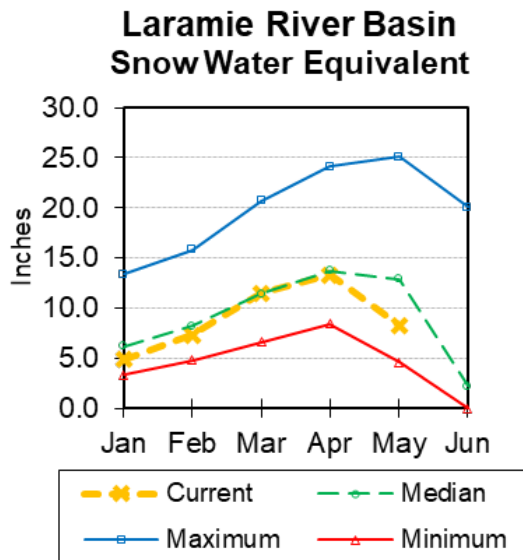


## Laramie River Basin



### Snow

SWE for the entire Laramie River Basin (above mouth entering North Platte) is 64% of median. SWE for the Laramie River above Laramie is 66% of median. SWE for the Little Laramie River is 70% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation was 45% of median. The water year-to-date precipitation for the basin is currently 88% of median.

### Reservoirs

The storage for the reservoir in this basin is at 54% of median.

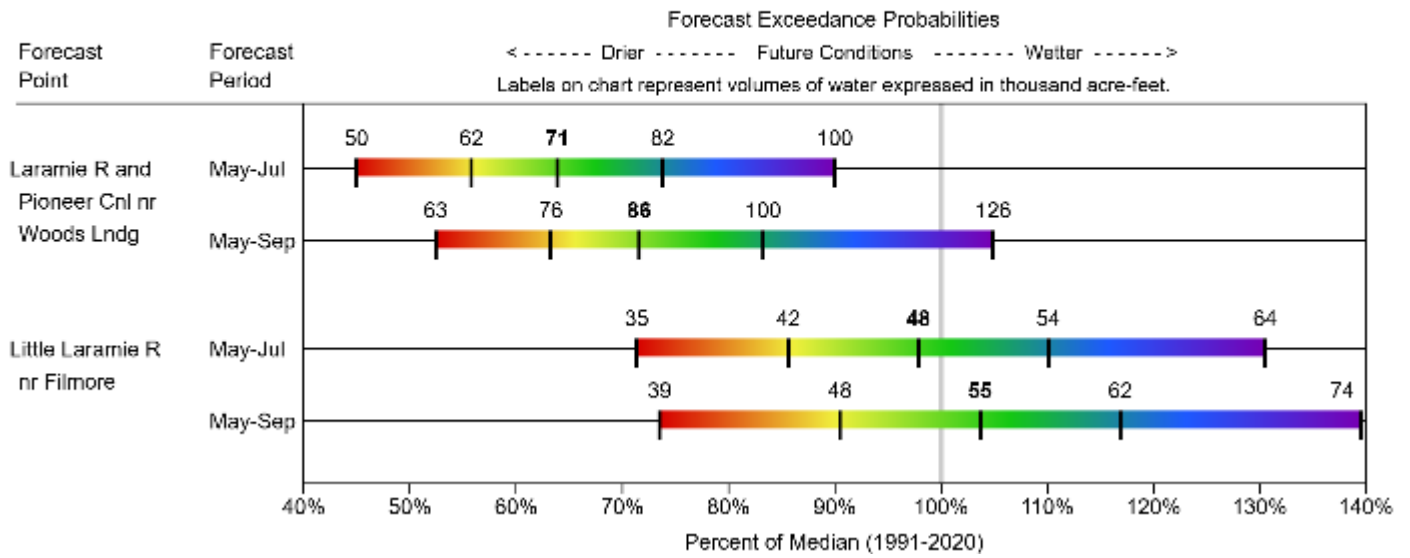
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Wheatland #2	32.5	71.1	59.7	98.9	33%	72%	60%	54%	119%
<b>Basin Index</b>					33%	72%	60%	54%	119%
# of reservoirs					1	1	1	1	1

### Streamflow

The 50% exceedance forecasts for the May through September period are below normal. Laramie River near Woods Landing is forecasted to yield around 72% of median. The Little Laramie near Filmore should produce about 104% of median. *See the following graph for detailed runoff volumes.*



**LARAMIE**  
**Water Supply Forecasts**  
**May 1, 2025**



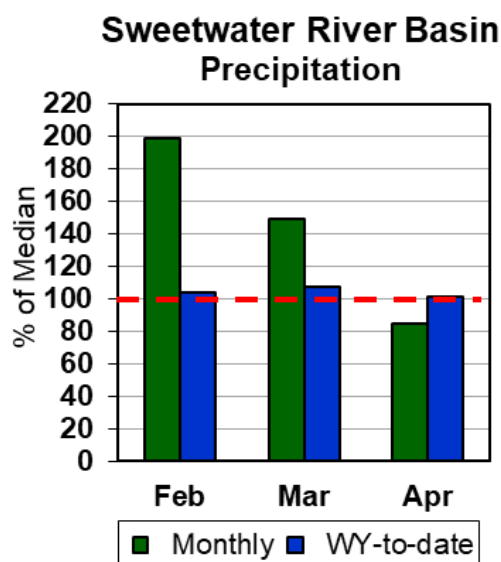
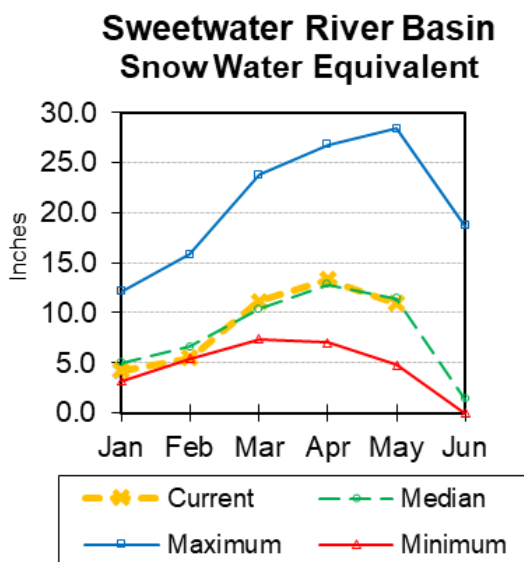


## Sweetwater River Basin



### Snow

Sweetwater River Basin SWE is at 96% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation was 84% of median. The water year-to-date precipitation for the basin is currently 101% of median.

### Reservoirs

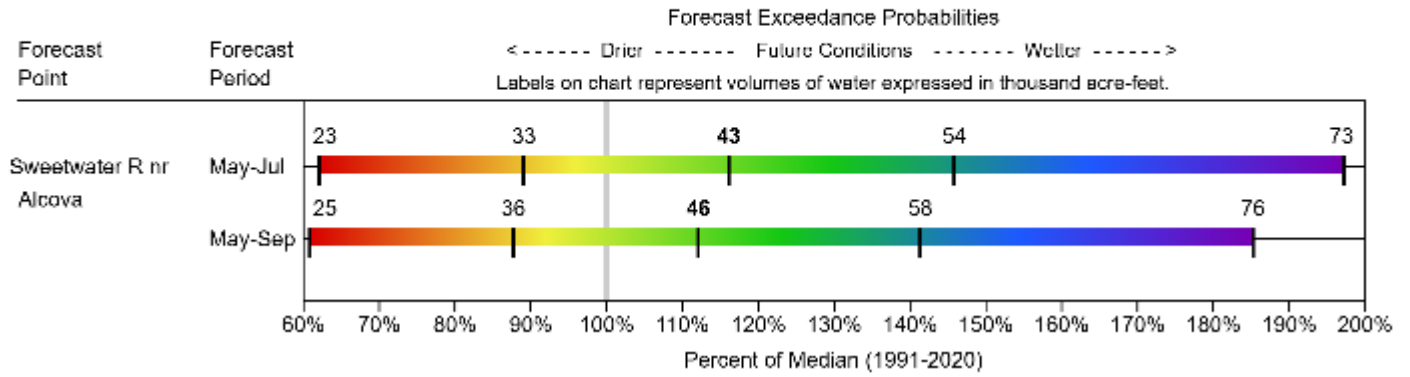
No reservoir data for the basin.

### Streamflow

The 50% exceedance forecasts for the May through September period in the Sweetwater Basin is above normal. The Sweetwater River near Alcova will yield about 112% of median. *See below for detailed information on projected runoff.*



**SWEETWATER**  
**Water Supply Forecasts**  
**May 1, 2025**



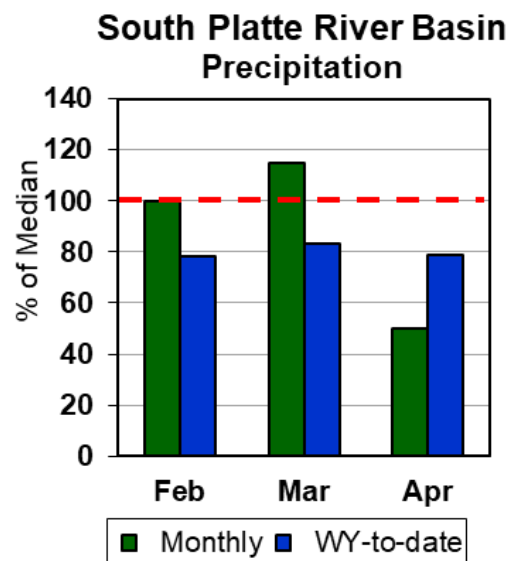
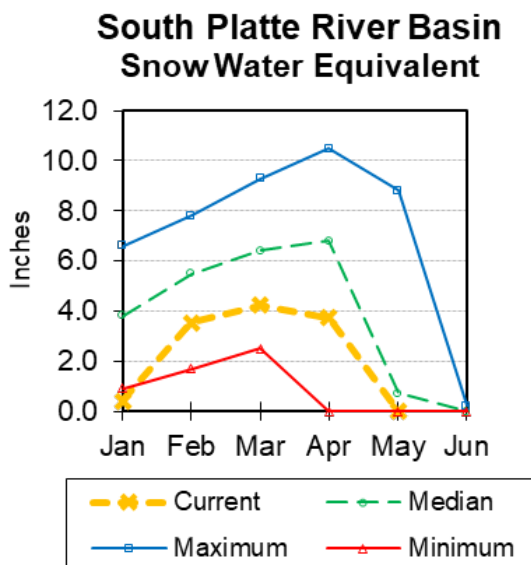


## South Platte River Basin (WY)



### Snow

The median SWE for sites in the South Platte River Basin is 2% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation was 50% of median. The water year-to-date precipitation for the basin is currently 79% of median.

### Reservoirs

No reservoir data for the basin.

### Streamflow

There are no streamflow forecast points for the basin.

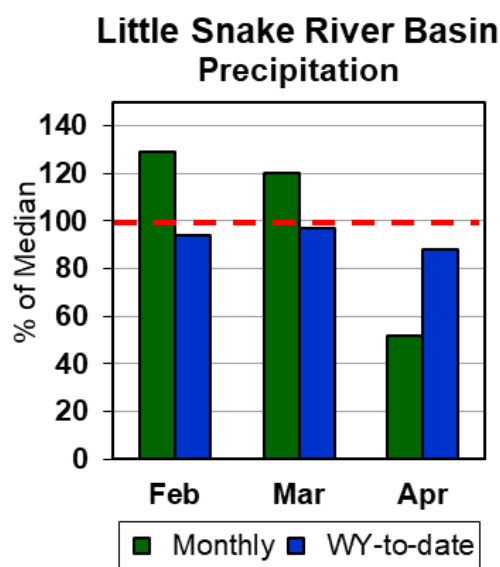
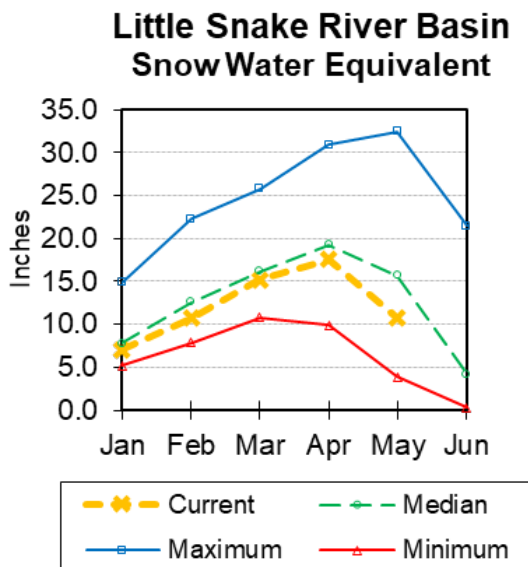


# Little Snake River Basin



## Snow

Little Snake River drainage SWE is 68% of median. See *Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation across the basin was 52% of median. The Little Snake River Basin water-year-to-date precipitation is currently 88% of median.

## Reservoirs

The storage for the reservoir in this basin is at 100% of median.

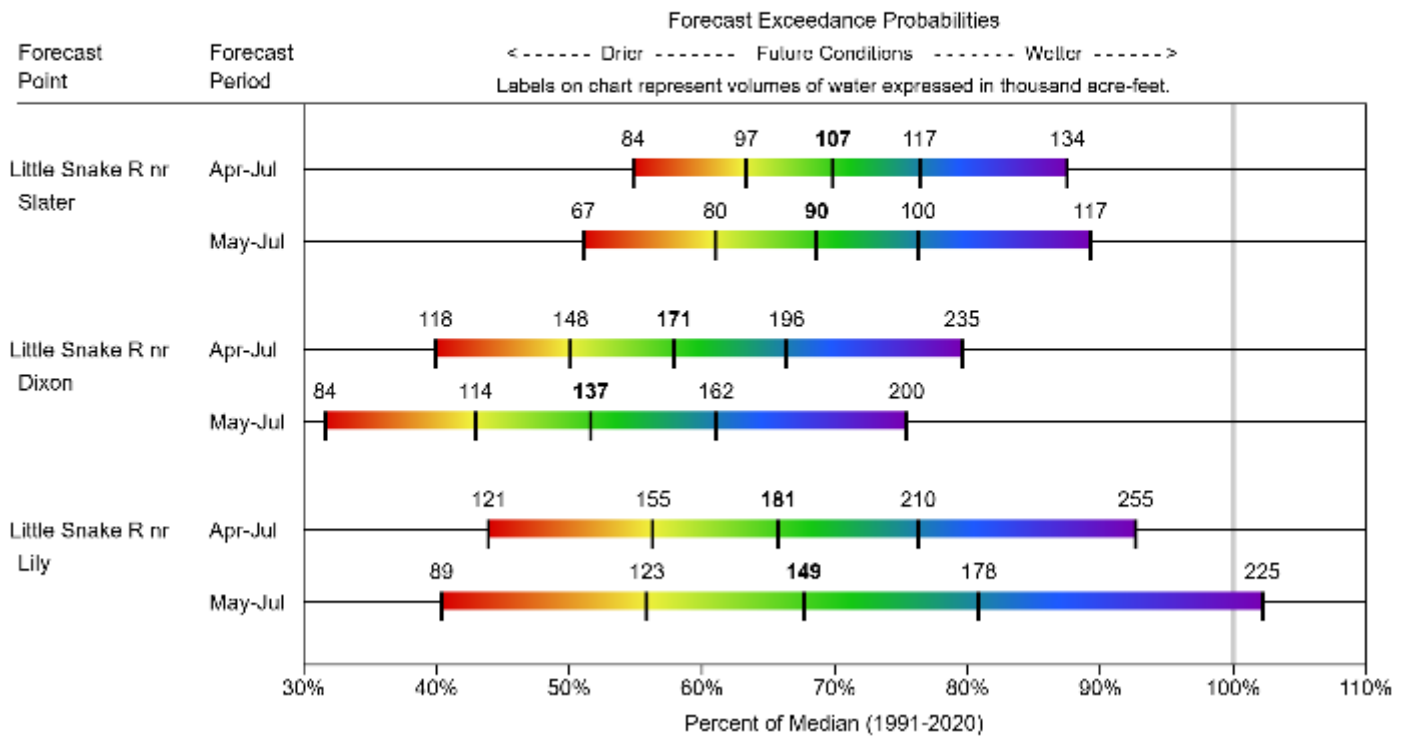
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
High Savery Res	15.1	19.7	15.0	22.4	67%	88%	67%	100%	131%
<b>Basin Index</b>					67%	88%	67%	100%	131%
# of reservoirs					1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the May through July period is below normal. The Little Snake River near Slater is forecasted to yield around 69% of median. *See below for detailed information on projected runoff.*

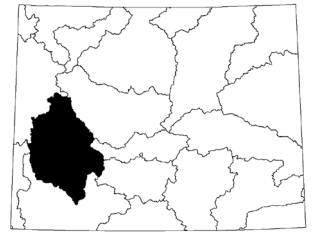


**LITTLE SNAKE**  
**Water Supply Forecasts**  
**May 1, 2025**



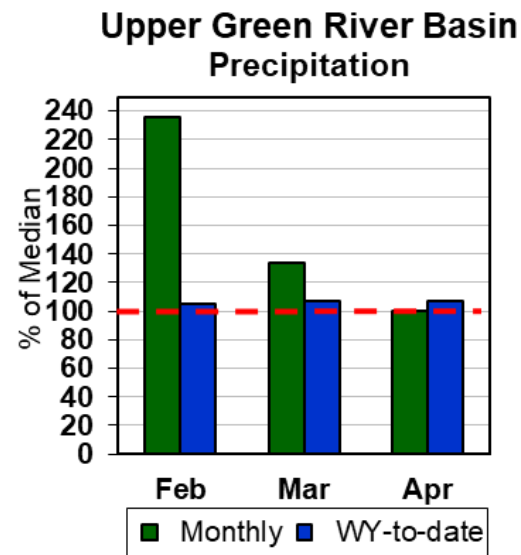
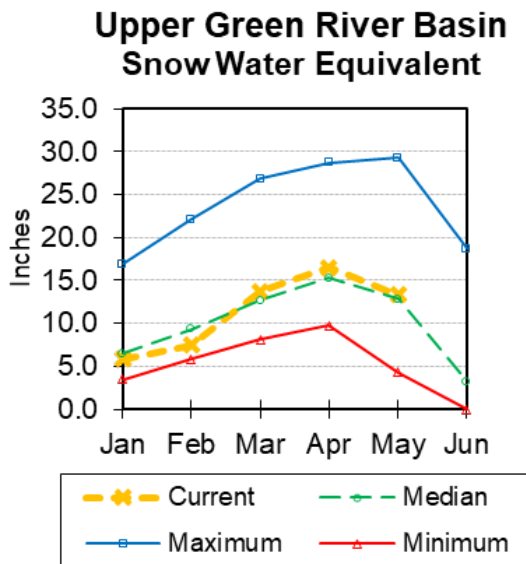


# Upper Green River Basin



## Snow

The Upper Green River Basin SWE (above Fontenelle Reservoir) is 104% of median. Green River Basin above Warren Bridge SWE is 100% of median. West Side of Upper Green River Basin SWE is 114% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation for sites in the basin was 99% of median last month. Water year-to-date precipitation is 107% of median.

## Reservoir

Combined water storage in the basin was at 113% of median for the 3 reservoirs.

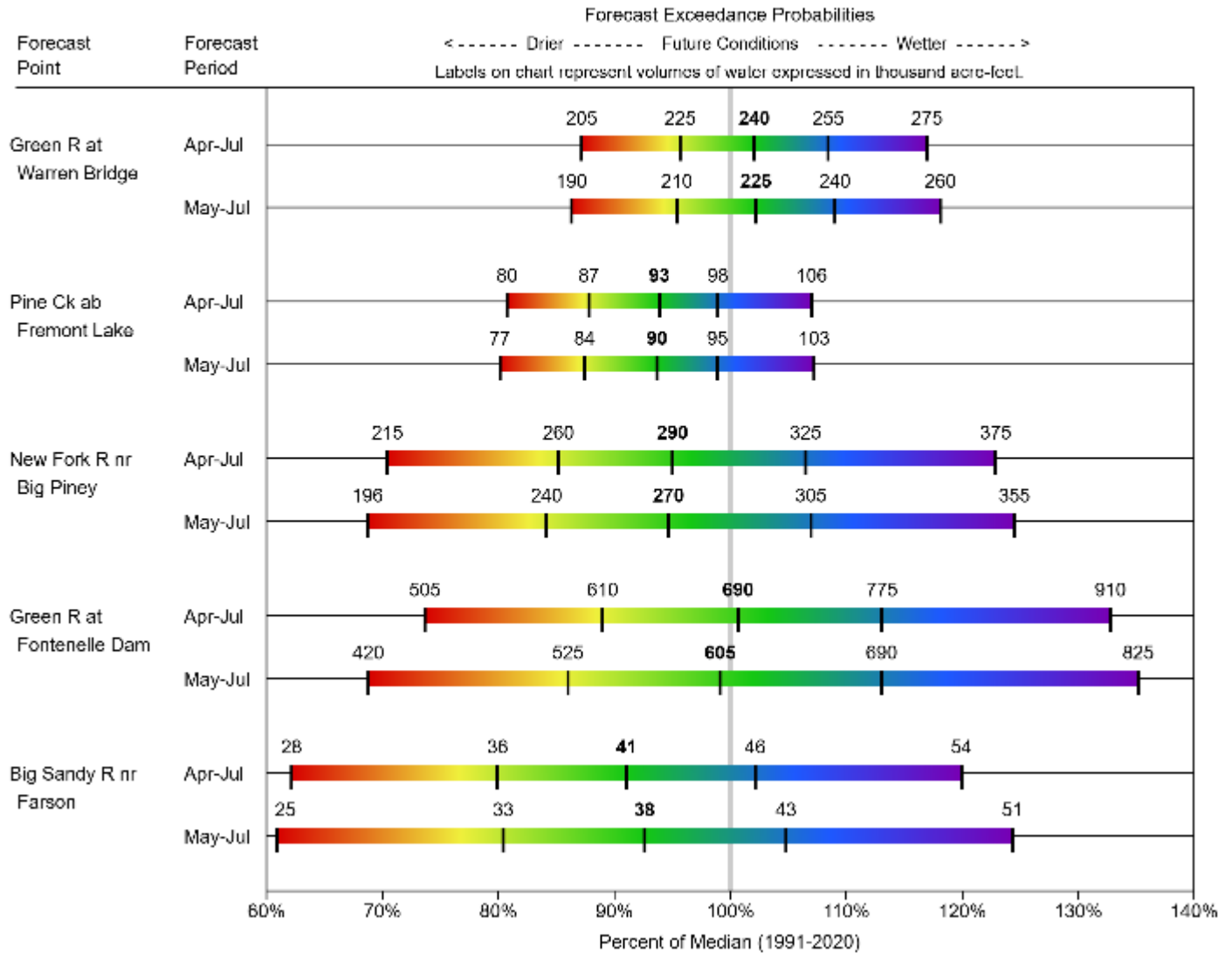
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Big Sandy	29.0	45.5	23.5	38.3	76%	119%	61%	124%	194%
Eden	6.8	9.8	6.3	11.8	58%	83%	53%	108%	156%
Fontenelle	146.9	136.1	131.4	344.8	43%	39%	38%	112%	104%
<b>Basin Index</b>					46%	47%	40%	113%	117%
# of reservoirs					3	3	3	3	3

## Streamflow

The 50% exceedance forecasts for the May through July period will be near normal. The yield on the Green River at Warren Bridge is about 102% of median. New Fork River near Big Piney yield will be around 95% of median. Green River at Fontenelle Dam is estimated to be about 99% of median. *See the following for a more detailed forecast.*

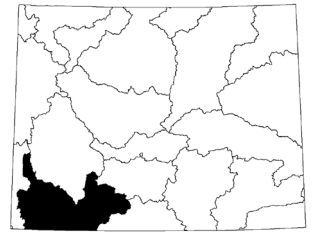


**UPPER GREEN**  
**Water Supply Forecasts**  
**May 1, 2025**





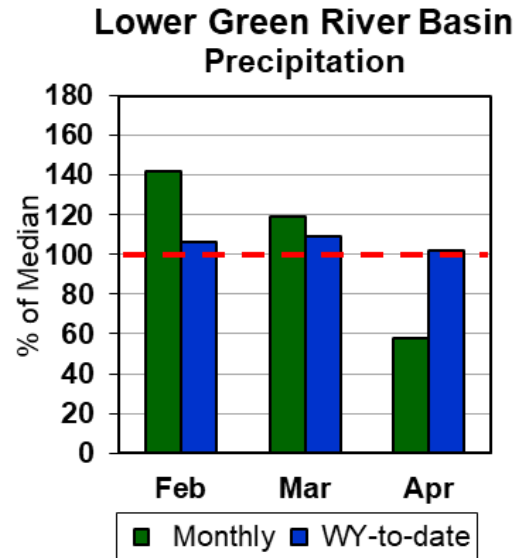
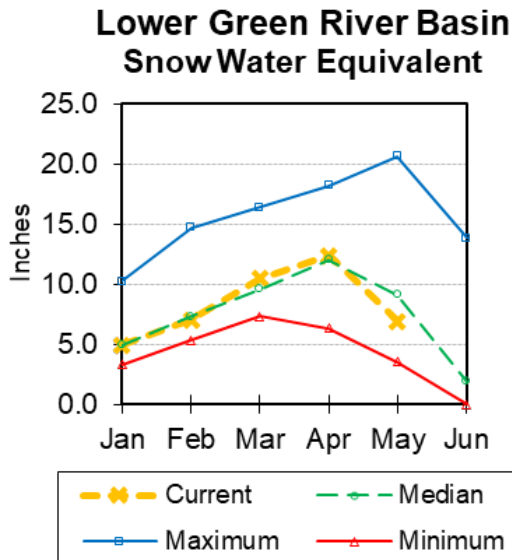
## Lower Green River Basin



### Snow

Lower Green River Basin SWE is at 76% of median. Hams Fork drainage SWE is 99% of median. Blacks-Smiths Forks drainage SWE is 56% of median.

*See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Precipitation for the basin last month was 58% of median. The basin year-to-date precipitation is currently 102% of median.

### Reservoirs

Combined storage for the 4 reservoirs in the basin was at 101% of median at the end of last month.

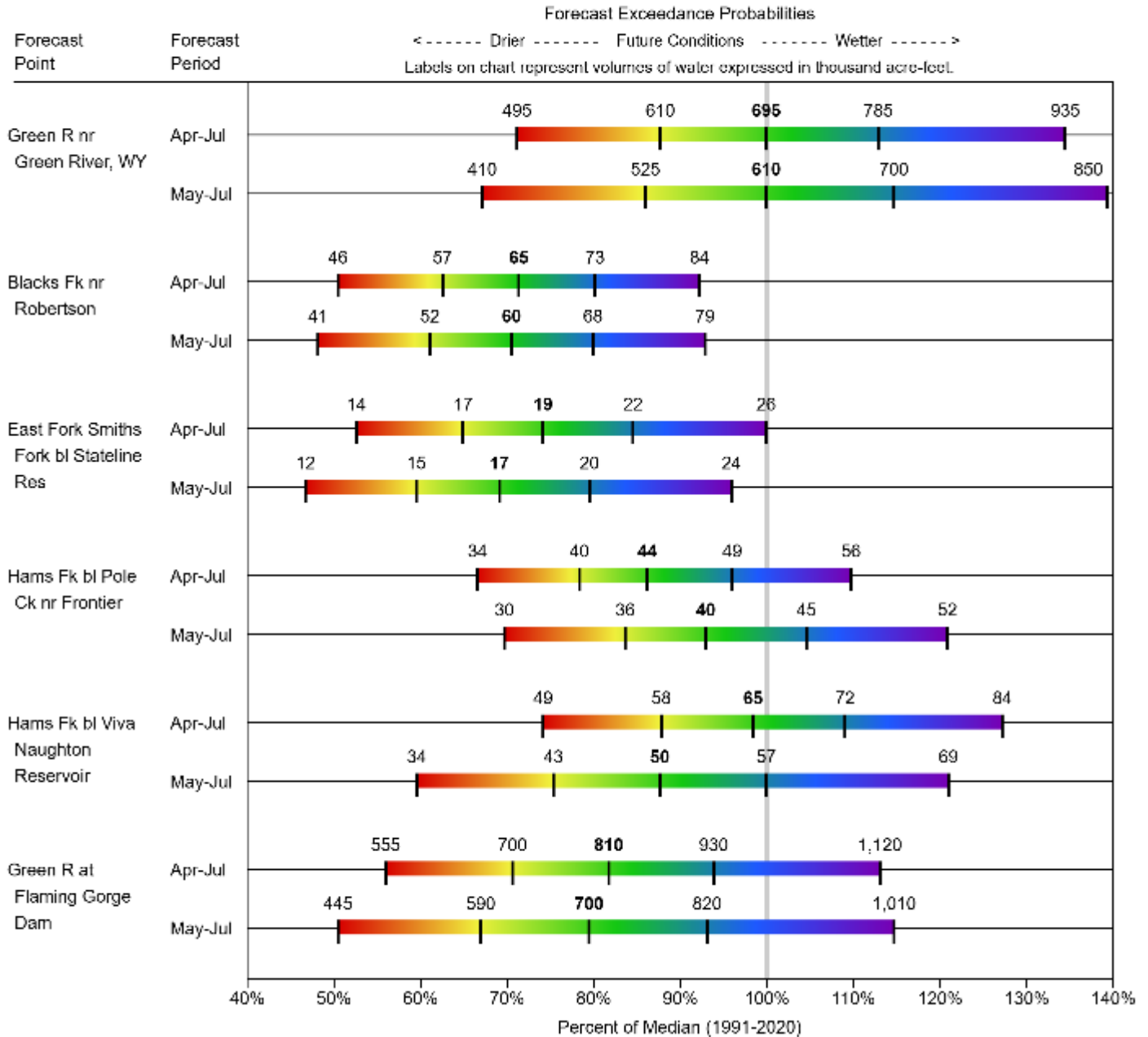
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Viva Naughton Res	32.7	34.9	32.8	42.4	77%	82%	77%	100%	106%
Stateline Reservoir	6.1	10.5	6.5	12.0	51%	87%	54%	94%	161%
Flaming Gorge Reservoir	3143.9	3150.7	3114.0	3749.0	84%	84%	83%	101%	101%
Meeks Cabin Reservoir	16.0	26.7	15.6	32.5	49%	82%	48%	103%	171%
<b>Basin Index</b>					<b>83%</b>	<b>84%</b>	<b>83%</b>	<b>101%</b>	<b>102%</b>
# of reservoirs					4	4	4	4	4

### Streamflow

The following are the 50% exceedance forecasts for the May through July period is below normal. The Green River near Green River will yield about 100% of median. The Flaming Gorge Reservoir inflow will be about 80% of median. *See the following page for more detailed information on projected runoff.*

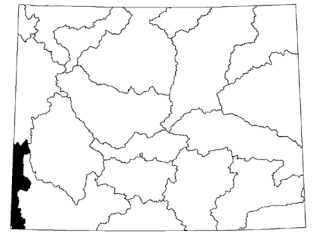


**LOWER GREEN**  
**Water Supply Forecasts**  
**May 1, 2025**





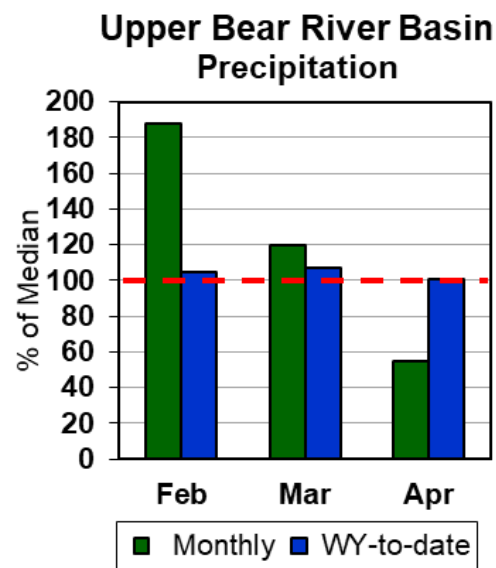
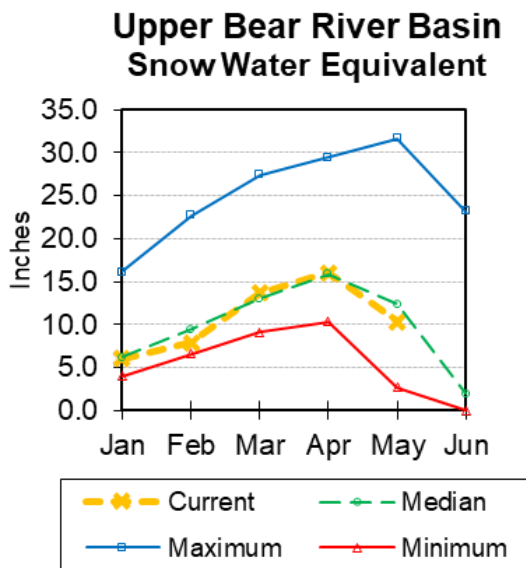
# Upper Bear River Basin



## Snow

SWE in the Upper Bear River Basin of Utah is 83% of median. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is 106% of median.

*See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation for last month was 54% of median in the basin. The year-to-date precipitation for the basin is 101% of median.

## Reservoirs

Combined reservoir storage in this basin is at 100% of median.

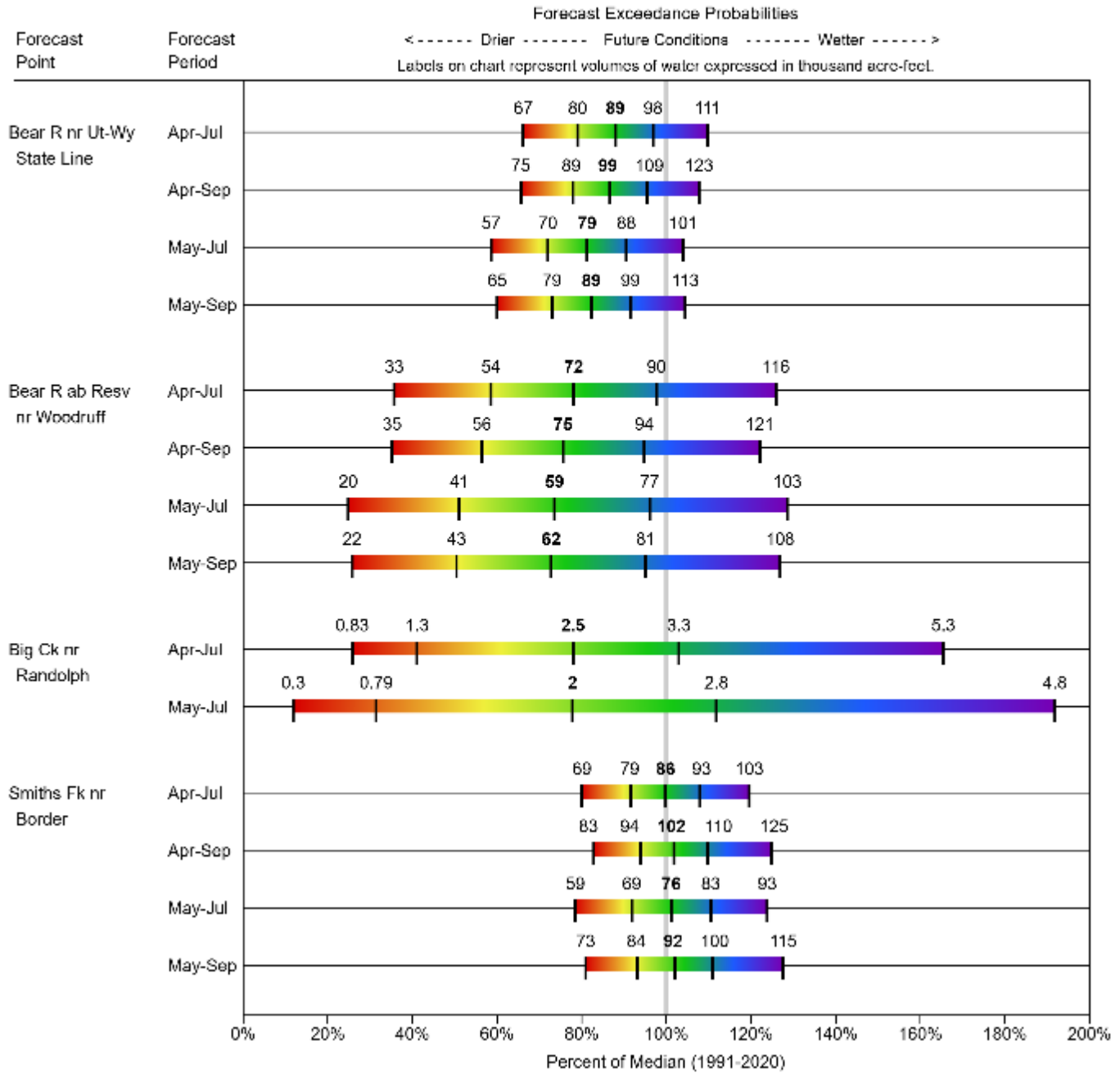
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Woodruff Creek	4.0	4.0	4.0	4.0	100%	100%	100%	100%	100%
Woodruff Narrows Res	55.8	52.0	55.5	57.3	97%	91%	97%	101%	94%
<b>Basin Index</b>					98%	91%	97%	100%	94%
# of reservoirs					2	2	2	2	2

## Streamflow

The 50% exceedance forecasts for the May through September period are below normal. The Bear River above Reservoir near Woodruff should yield around 73% of median. For May to September the Smiths Fork River near Border Jct. will yield around 102%. *See the following page for more detailed information on projected runoff.*



**UPPER BEAR**  
**Water Supply Forecasts**  
**May 1, 2025**





# Appendix

## MEDIAN INFORMATION

### Transitioning from 1981 – 2010 **Averages** to 1991 – 2020 **Medians**

Starting January 2022, the NRCS will use the 30-year **median** as the official normal for snowpack (SWE), precipitation, reservoir storage, and streamflow calculations. The National Water and Climate Center (NWCC) will continue to publish and distribute 30-year averages for alternate normal calculations.

The 30-yr reference period for median and normal calculations has also been recently updated from 1981-2010 to 1991-2020.

Please refer to this NWCC website or more information about the significant changes in data and forecast computations:

<https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/30YearNormals/>

Topics include:

- **1991 – 2020 Median/Averages Overview**
- **Calculation Methods**
- **Differences Between 1991-2020 and Previous Normals**
- **Median vs. Average**
- **Retrieving 1991-2020 Normals**

For specific seasonal streamflow normal comparisons for NRCS forecasted stations, please refer to:

[https://www.wcc.nrcs.usda.gov/ftpref/support/srvo\\_norms\\_comps/](https://www.wcc.nrcs.usda.gov/ftpref/support/srvo_norms_comps/)



## 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>

#### **Appendix - Snowpack Data**

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

#### **Appendix - Precipitation Data**

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

#### **Appendix - Streamflow Data**

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



# Wyoming Basin Outlook Report

## Natural Resources Conservation Service

### Casper, Wyoming

**Issued by:**

Aubrey Bettencourt (Chief)  
U.S.D.A.  
Natural Resources Conservation Service  
Washington D.C.

**Released by:**

Jackie Byam  
State Conservationist  
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