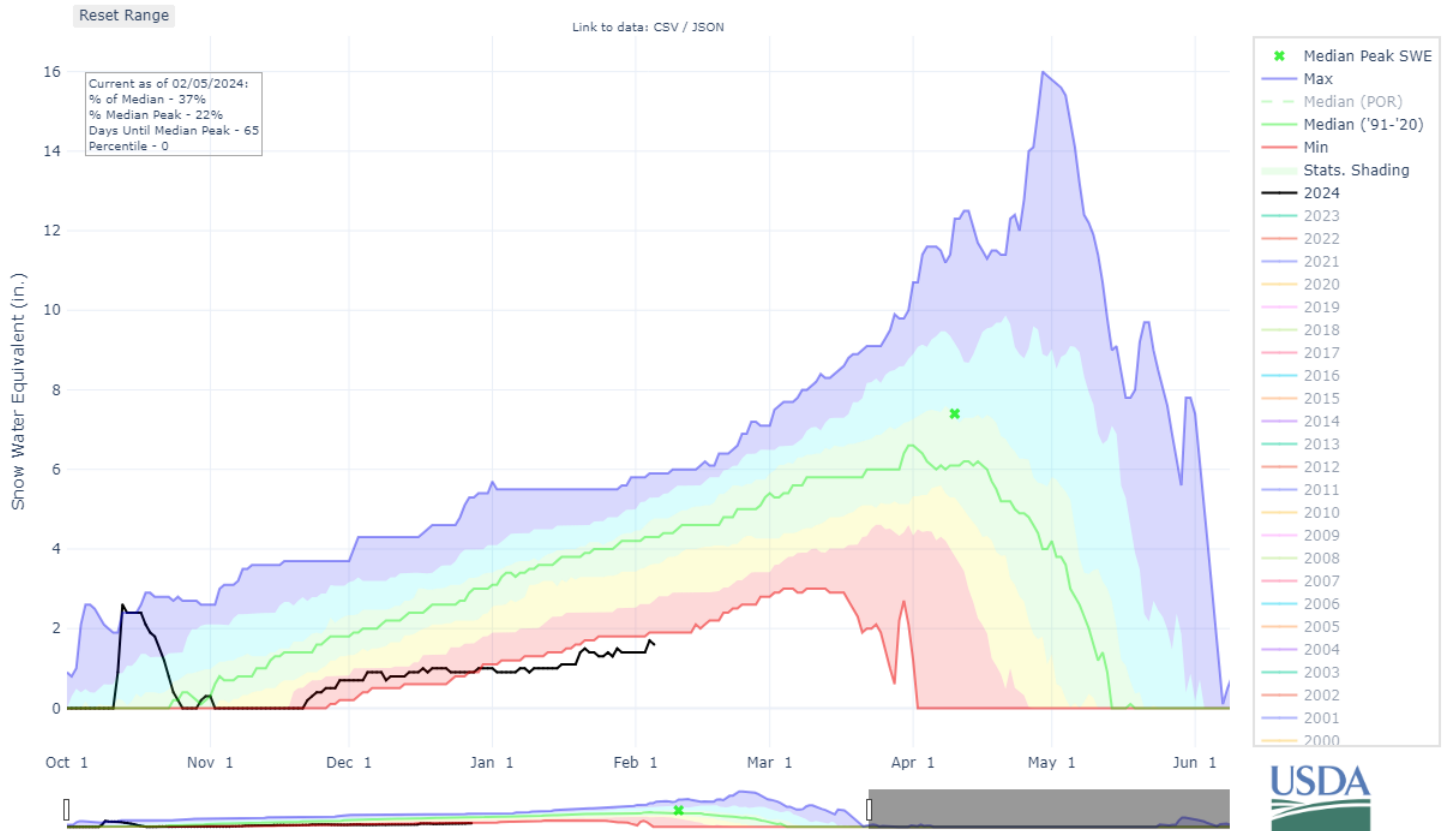


Wyoming Basin & Water Supply Outlook Report

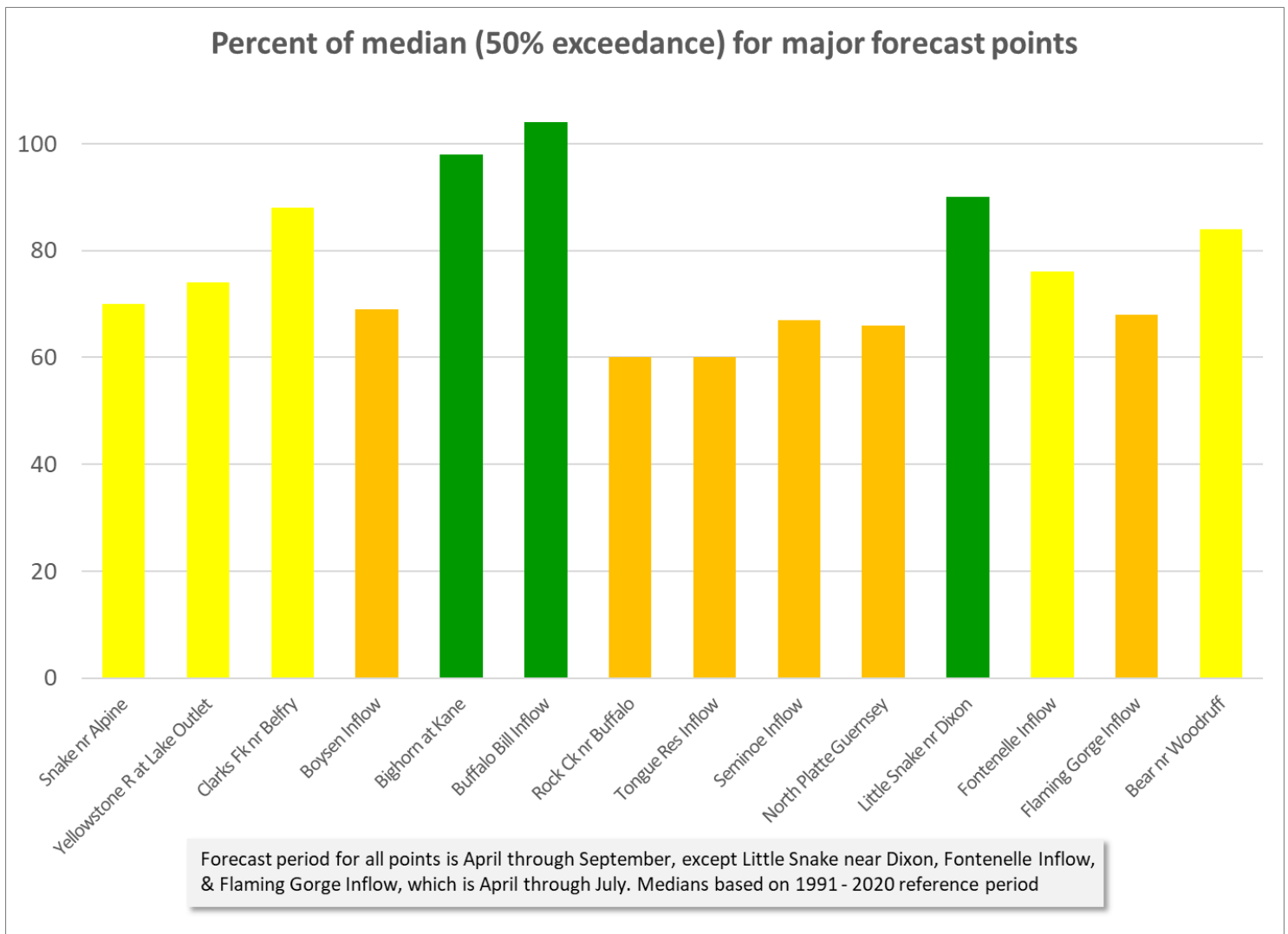
February 1, 2024

**Natural
Resources
Conservation
Service**



Hansen Sawmill, Tongue River Basin, Snow Water Equivalent Graph, 2/5/2024

Forecasted stream flows for February 1st, 2024



Fifty percent exceedance probability for all major forecast points listed above is expected to be below 100% of normal except for Buffalo Bill Reservoir inflow. Buffalo Bill Reservoir inflow is expected to be 104% of normal. Fifty percent exceedance probability for nine major forecast points listed above, is expected to be below 80% of normal.

Basin Outlook Reports

And

Federal - State - Private Cooperative Snow Surveys

For more information, contact:

Jeff Coyle
100 East "B" Street, Casper, WY 82601
(307) 233-6768 jeffrey.coyle@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.

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

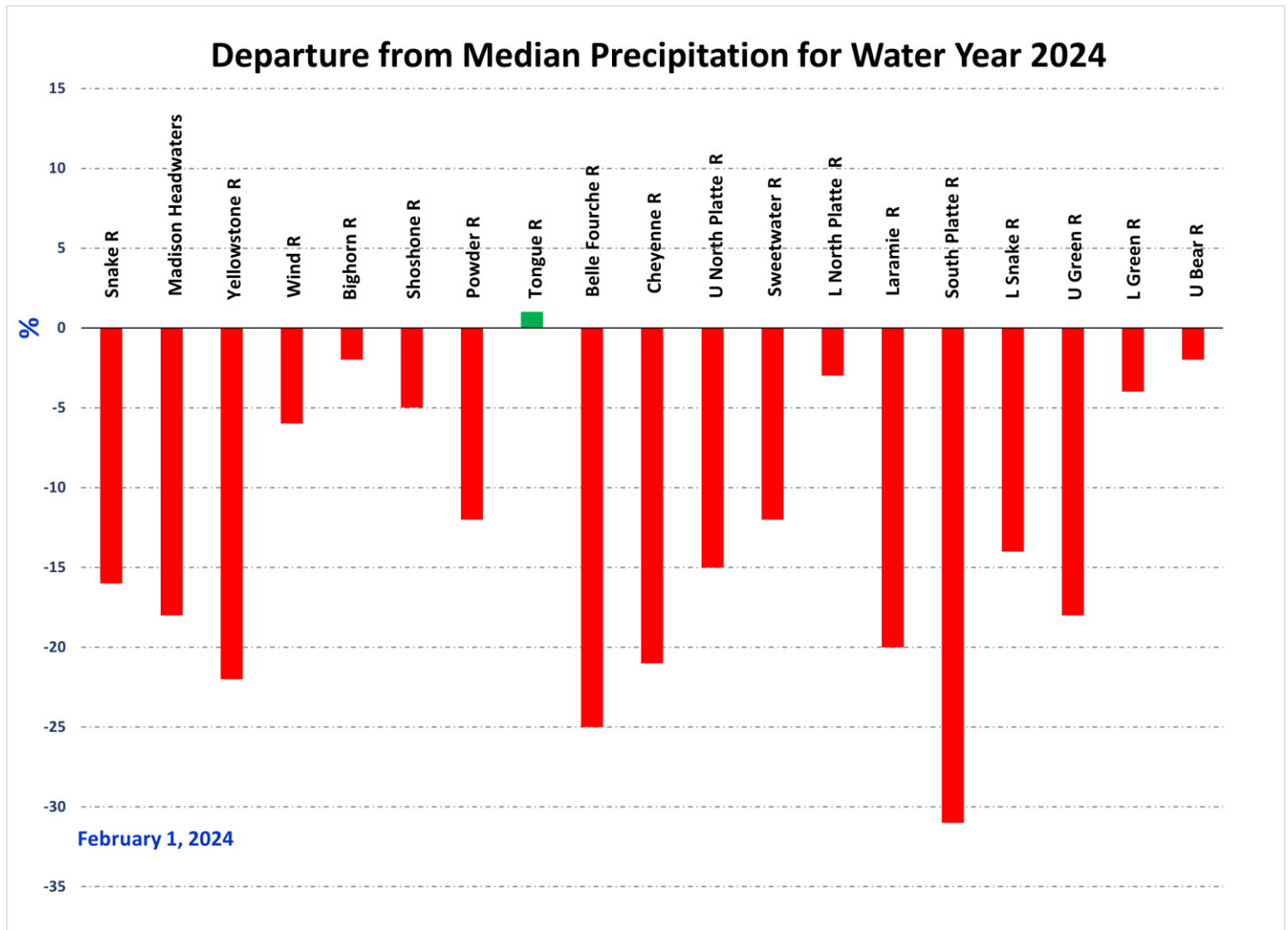
Snowpack

Snow water equivalent (SWE) across Wyoming for February 1st was at 68% of median. SWE in the Upper Bear River Basin was the highest at 99% of median and lowest for the Cheyenne River Basin at 48% of median. On February 1st, 2024, the following basins were below the Minimum SWE recorded for the 1991 - 2020 interval: Yellowstone, Powder, Belle Fourche, Cheyenne, and Sweetwater River Basins are below the minimum SWE (recorded for the 1991 - 2020 interval) this water year. *See the map on page 6 and the Appendix for further information.*

Precipitation

The Lower green Basin had the highest precipitation for the month at 141% of median. The Cheyenne River Basin had the lowest precipitation amount for the month at 50% of median. The following graph displays the precipitation in major river basins and their departure from median for the water year beginning October 1st, 2023.

See Appendix for further information.



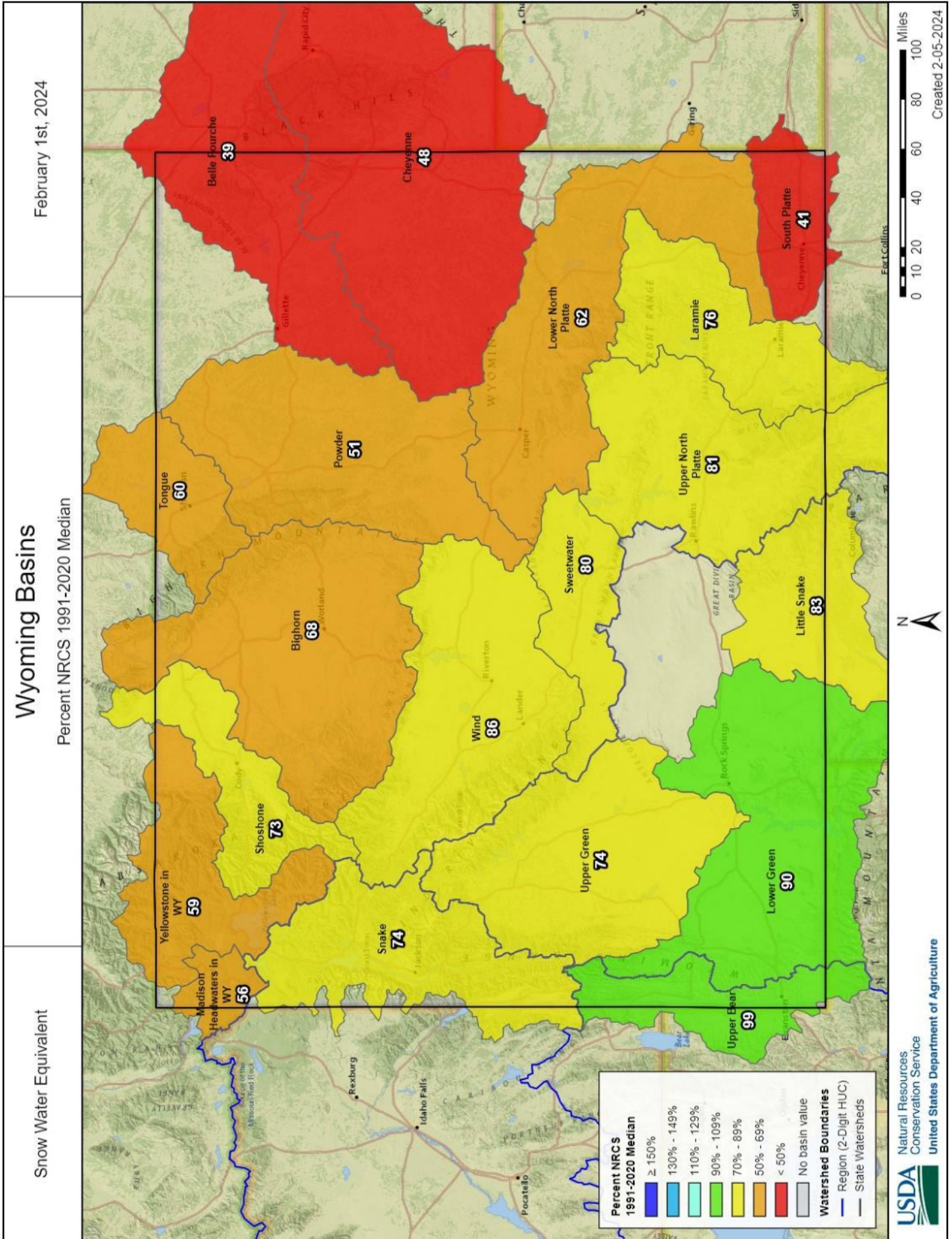
Streams

Forecast median streamflow yields for April thru September in Wyoming basins (except Green, Little Snake and Cheyenne) average 80%. Forecast median stream flow yields for April thru July in Green, Little Snake, and Cheyenne average 81, 86%, and 66%. The Snake River and Yellowstone River in Wyoming, basins should yield about 77% and 81% of median. Yields from the Wind and Bighorn River basins should be about 89% and 94% of median. Yields from the Shoshone River basin should be 94% of median. Yields from the Powder and Tongue River basins should be about 62% and 72% of median. Yield for the Cheyenne River basin should be about 88% of median. Yields for the Sweetwater, Upper North Platte, Lower North Platte, and Laramie Rivers of Wyoming should be about 88%, 76%, 74%, and 76% of median, respectively.

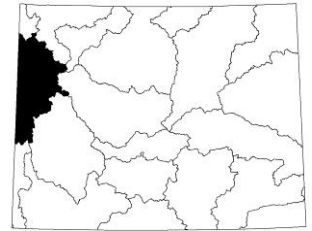
Reservoirs

Reservoir storage was 104% of median across the entire state. Reservoirs in the Snake River basin are near median at 96%. Reservoirs in the Wind River basin are near median at 105%. Reservoirs on the Bighorn are 100% of median. The Buffalo Bill Reservoir on the Shoshone is near median at 107%. Reservoirs in the Belle Fourche and Cheyenne River basins are near median at 106% and 103% respectively. Reservoirs on the Upper and Lower North Platte River are above median at 116% and 103% respectively. Reservoirs on the Upper Green River are at 111% of median. Reservoirs on the Lower Green River are near median at 101%.

Reservoir Storage Summary For the End of January 2024									
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Alcova	157.4	157.6	156.4	184.3	85%	86%	85%	101%	101%
Angostura	99.1	63.3	93.3	122.1	81%	52%	76%	106%	68%
Belle Fourche	135.6	123.9	132.1	178.4	76%	69%	74%	103%	94%
Big Sandy	39.0	7.5	18.2	38.3	102%	20%	48%	214%	41%
Bighorn Lake	852.6	817.5	854.2	1356.0	63%	60%	63%	100%	96%
Boysen	590.1	560.6	551.9	596.0	99%	94%	93%	107%	102%
Buffalo Bill	476.9	465.2	446.7	646.6	74%	72%	69%	107%	104%
Bull Lake	71.2	73.8	80.9	151.8	47%	49%	53%	88%	91%
Deerfield	14.6	14.6	14.8	15.2	96%	96%	97%	99%	99%
Flaming Gorge Res	3132.2	2496.9	3111.0	3749.0	84%	67%	83%	101%	80%
Fontenelle	163.9	166.8	165.4	344.8	48%	48%	48%	99%	101%
Glendo	294.5	257.5	281.5	506.4	58%	51%	56%	105%	91%
Grassy Lake	12.8	11.2	12.7	15.2	84%	74%	84%	101%	88%
Guernsey	14.9	13.7	13.9	45.6	33%	30%	30%	108%	98%
High Savery Res	13.9	6.9	11.6	22.4	62%	31%	52%	120%	59%
Jackson Lake	598.1	178.0	620.4	847.0	71%	21%	73%	96%	29%
Keyhole	128.8	117.9	117.2	193.8	66%	61%	60%	110%	101%
Meeks Cabin Res	17.2	9.2	9.8	32.5	53%	28%	30%	175%	94%
Pactola	51.8	50.1	52.4	55.0	94%	91%	95%	99%	96%
Pathfinder	705.9	350.3	565.6	1016.5	69%	34%	56%	125%	62%
Pilot Butte	24.7	24.6	25.2	31.6	78%	78%	80%	98%	98%
Seminole	638.3	446.9	595.8	1016.7	63%	44%	59%	107%	75%
Stateline Res	8.0	6.1	5.7	12.0	67%	50%	48%	140%	106%
Tongue River Res	47.9	47.9	43.0	79.1	61%	61%	54%	111%	111%
Viva Naughton Res	34.7	30.7	30.2	42.4	82%	72%	71%	115%	102%
Wheatland #2	51.0	NA	46.0	98.9	52%	NA	47%	111%	NA
Woodruff Creek	2.0	2.2	2.2	4.0	49%	55%	55%	90%	100%
Woodruff Narrows Res	48.8	13.5	36.0	57.3	85%	24%	63%	136%	37%



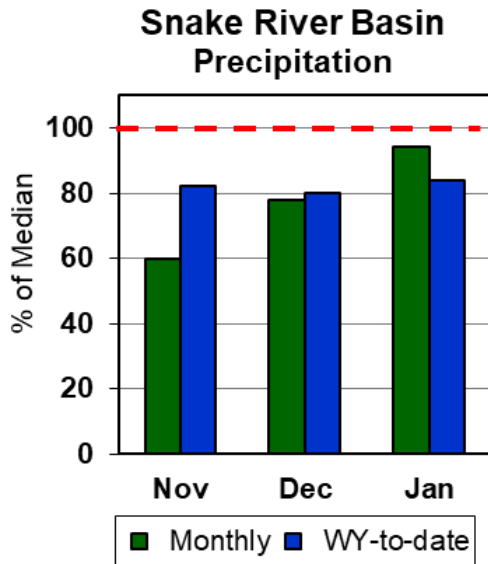
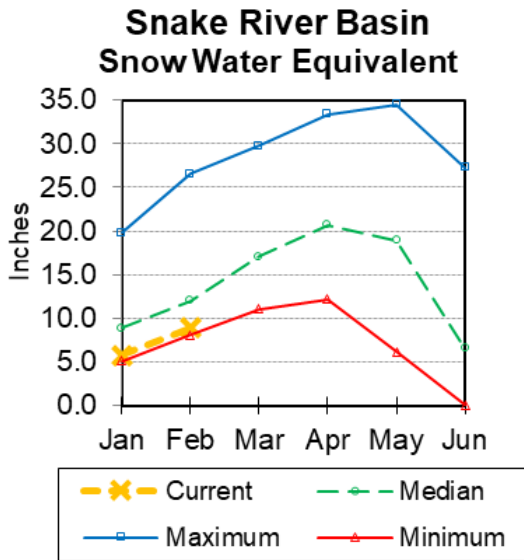
Snake River Basin



Snow

The overall Snake River basin SWE (portion above Palisades dam) is 74% of median. SWE in the Snake River Basin above Jackson Lake is 68% of median. Pacific Creek basin SWE is 63% of median. Buffalo Fork SWE is 62% of median. Gros Ventre River basin SWE is 64% of median. SWE in the Hoback River drainage is 69% of median. SWE in the Greys River drainage is 86% of median. Salt River Basin SWE is 98% 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 94% of median. Water-year-to-date precipitation is 84% of median.

Reservoirs

Current reservoir storage is 96% 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	12.8	11.2	12.7	15.2	84%	74%	84%	101%	88%
Jackson Lake	598.1	178.0	620.4	847.0	71%	21%	73%	96%	29%
Basin Index					71%	22%	73%	96%	30%
# of reservoirs					2	2	2	2	2

Streamflow

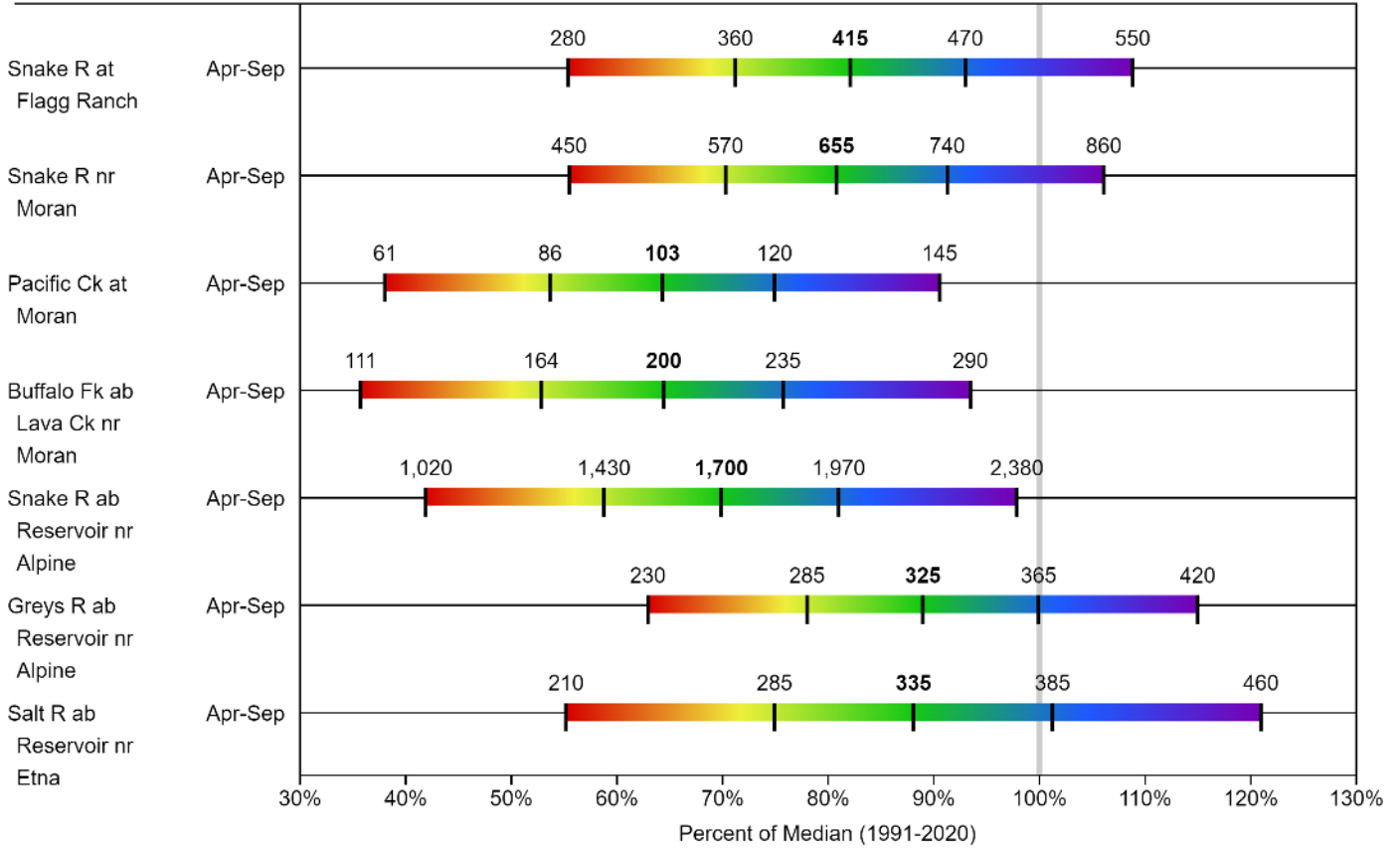
The 50% exceedance forecasts for April through September are below median for this basin. The Snake near Moran yield should be 81% of median. Snake River above reservoir near Alpine will yield about 70%. Pacific Creek near Moran yield will be around 64%. Buffalo Fork above Lava near Moran will be around 65% of median. Greys River above reservoir near Alpine should yield about 89%. Salt River near Etna yield will be about 88%.

See the following graph for further information.

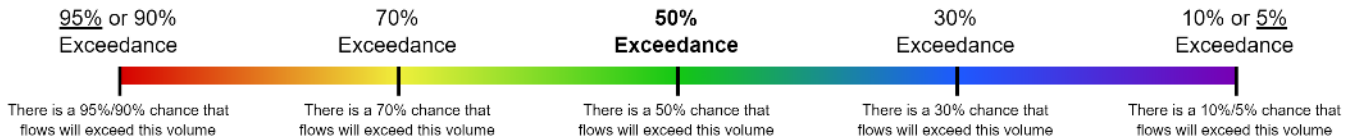
SNAKE Water Supply Forecasts February 1, 2024

Forecast Exceedance Probabilities

<----- Drier ----- Future Conditions ----- Wetter ----->
Labels on chart represent volumes of water expressed in thousand acre-feet.



Legend



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

Period of Record Minimum
Streamflow KAF (Year)

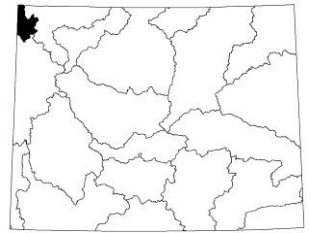
1991-2020 Normal
Streamflow KAF

Observed Streamflow KAF

Period of Record Maximum
Streamflow KAF (Year)

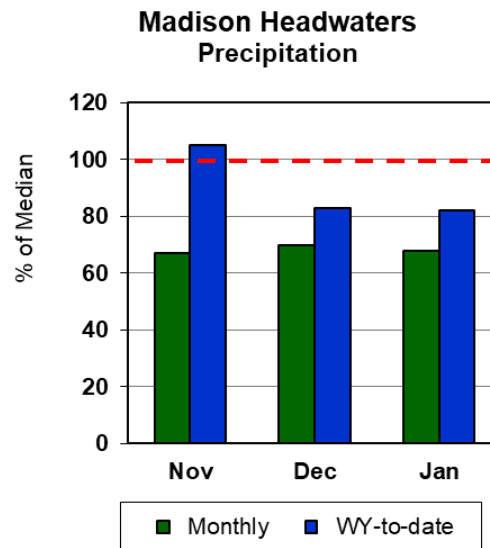
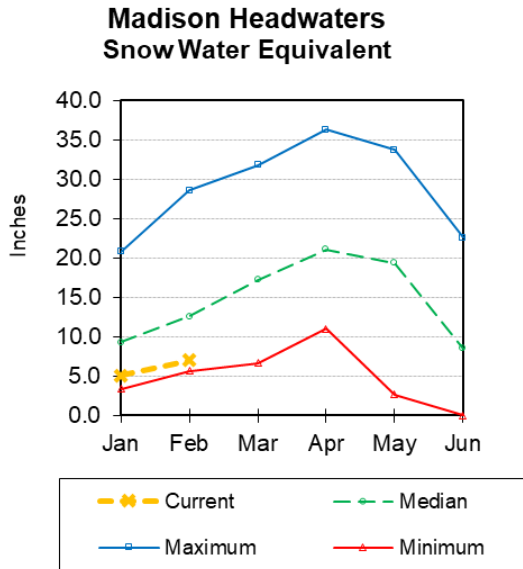
Some forecasts may be for volumes that are regulated or influenced by diversions and water management.

Madison Headwaters in Wyoming



Snow

SWE is 56% 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 82% of median.

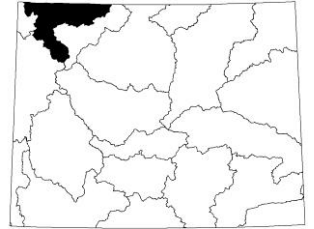
Reservoirs

No reservoir data.

Streamflow

There are no streamflow forecast points for the basin.

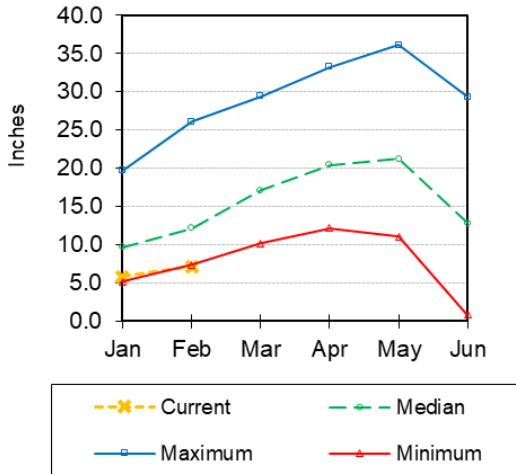
Yellowstone River Basin



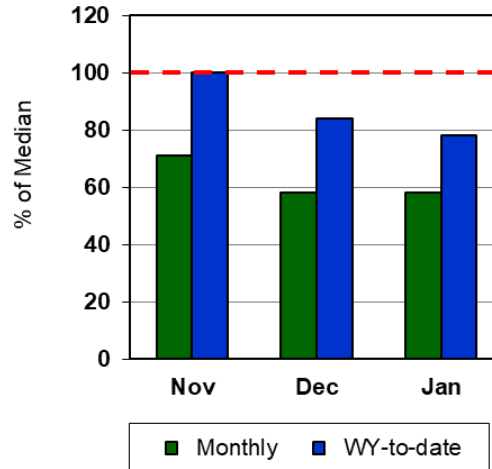
Snow

SWE in the Yellowstone River Basin is 59% of median. SWE in the Clarks Fork Drainage of the Yellowstone River basin in Wyoming is 59% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*

**Yellowstone River Basin
Snow Water Equivalent**



**Yellowstone River Basin
Precipitation**



Precipitation

Last month's precipitation in the Yellowstone River Basin was 58% of median. Water-year-to-date precipitation is 78% of median.

Reservoirs

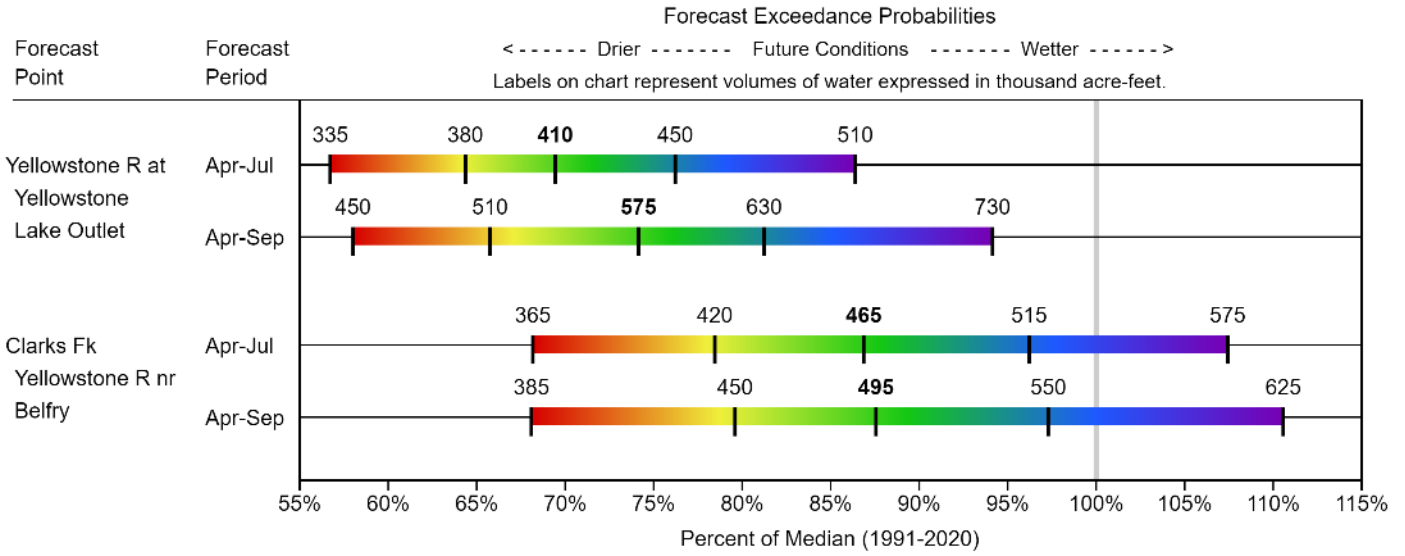
No reservoir data.

Streamflow

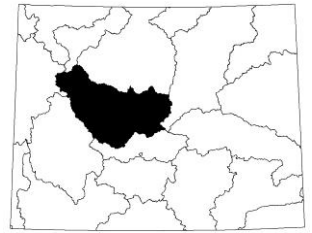
The 50% exceedance forecasts for April through September are below normal for the basin. Yellowstone at Lake Outlet will yield around 74% of median. Clarks Fork of the Yellowstone near Belfry will yield around 88%.

See the following graph for detailed information.

YELLOWSTONE IN WY
Water Supply Forecasts
February 1, 2024

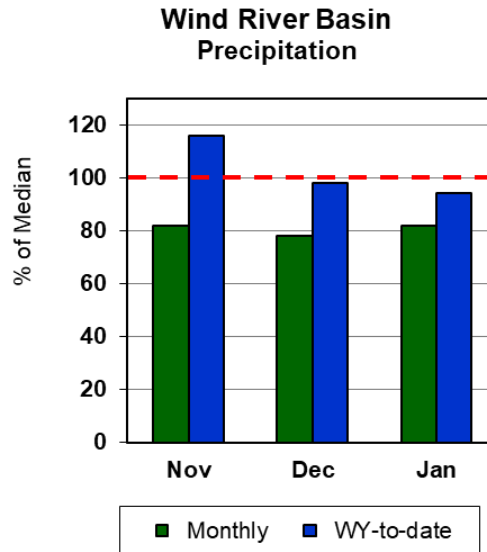
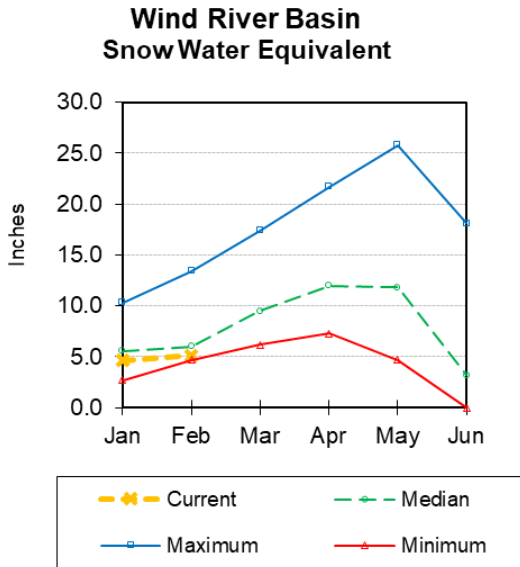


Wind River Basin



Snow

Wind River basin SWE (above Boysen Reservoir) is 86% of median. SWE in the Wind River above Dubois is 78% of median. Little Wind SWE is 100% of median, and Popo Agie drainage SWE is 90% 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 82% of median. Water year-to-date precipitation is 94% of median.

Reservoirs

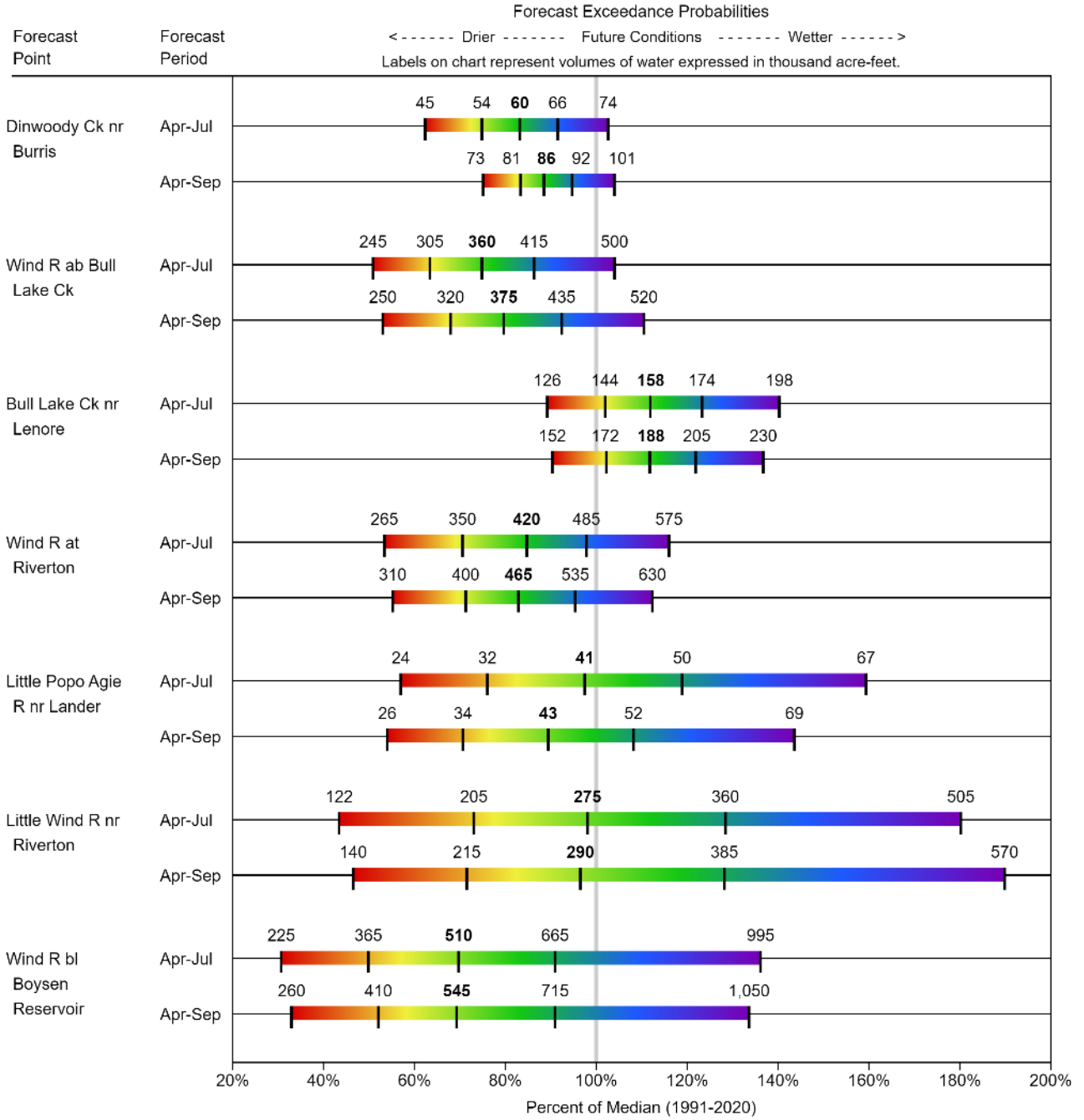
Current storage is 104% of median in the basin.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Pilot Butte	24.7	24.6	25.2	31.6	78%	78%	80%	98%	98%
Boysen	590.1	560.6	551.9	596.0	99%	94%	93%	107%	102%
Bull Lake	71.2	73.8	80.9	151.8	47%	49%	53%	88%	91%
Basin Index					88%	85%	84%	104%	100%
# of reservoirs					3	3	3	3	3

Streamflow

The 50% exceedance forecasts for the April through September runoff period should yield about normal for the Wind River. The Wind River above Bull Lake Creek will yield about 80% of median. Little Popo Agie River near Lander should yield around 90% of median. Little Wind River near Riverton will yield around 97% of median. Boysen Reservoir inflow will yield about 69% of median. *See the following graph for detailed runoff volumes.*

WIND
Water Supply Forecasts
February 1, 2024



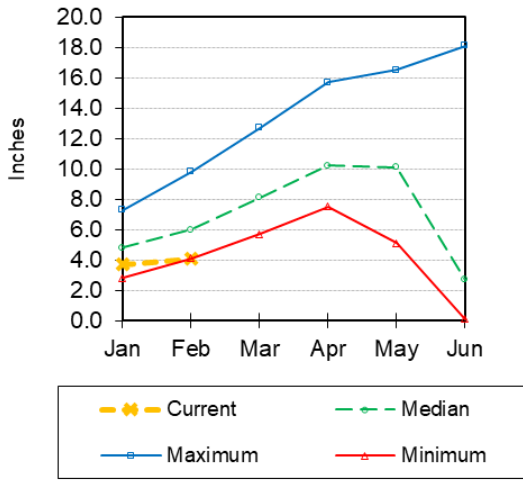
Bighorn River Basin



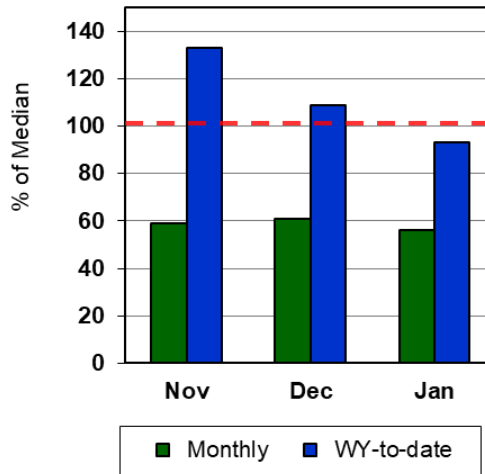
Snow

The Bighorn River Basin SWE (above Bighorn Reservoir) is 68% of median. The Greybull River SWE is at 129% of median. Shell Creek SWE is at 68% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*

**Bighorn River Basin
Snow Water Equivalent**



**Bighorn River Basin
Precipitation**



Precipitation

Last month's precipitation was 56% of median. Year-to-date precipitation is 98% of median.

Reservoirs

Current reservoir storage in the basin is 100% of median.

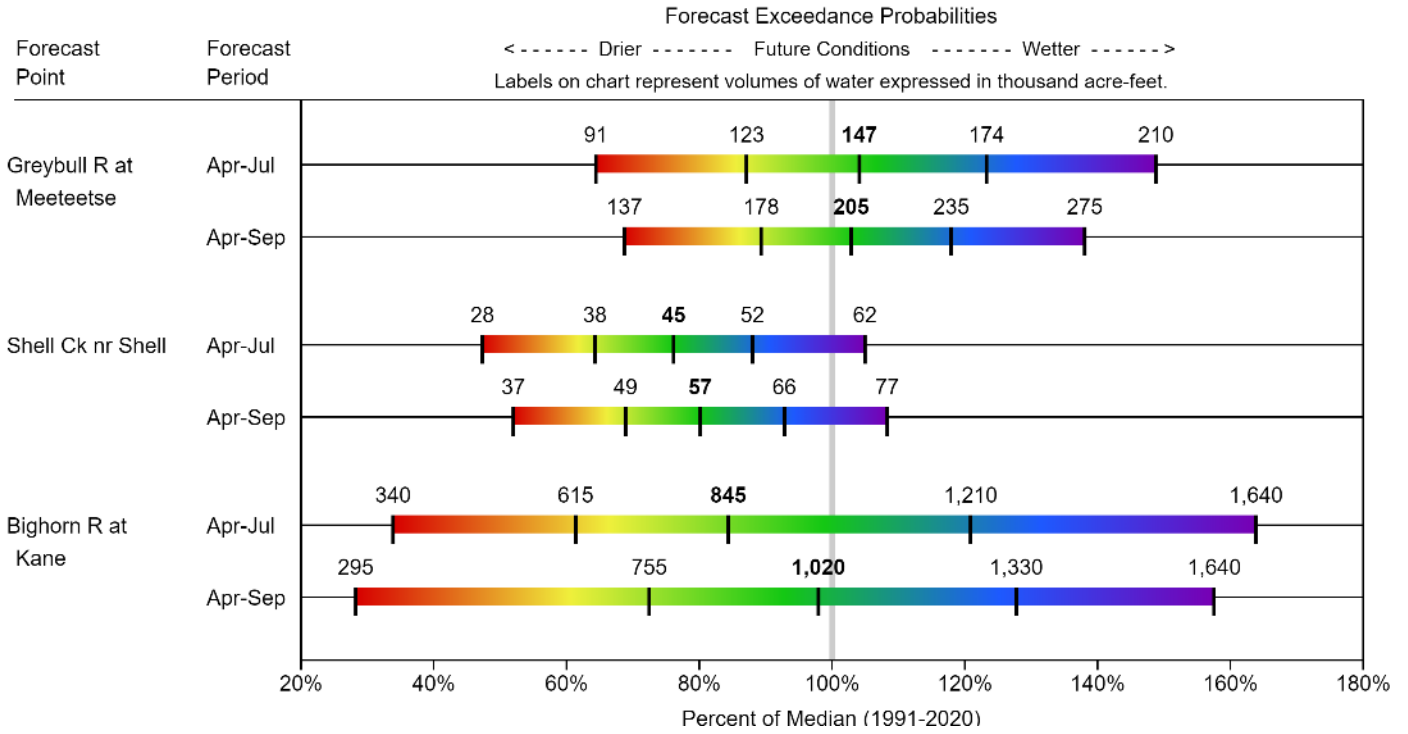
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Bighorn Lake	852.6	817.5	854.2	1356.0	63%	60%	63%	100%	96%
Basin Index					63%	60%	63%	100%	96%
# of reservoirs					1	1	1	1	1

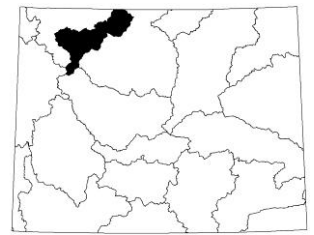
Streamflow

The 50% exceedance forecasts for the April through September runoffs are near normal. The Greybull River near Meeteetse should yield 103% of median. Shell Creek near Shell should yield around 80% of median. The Bighorn River at Kane should yield around 98% of median.

See the following graph for detailed runoff volumes.

BIGHORN
Water Supply Forecasts
February 1, 2024



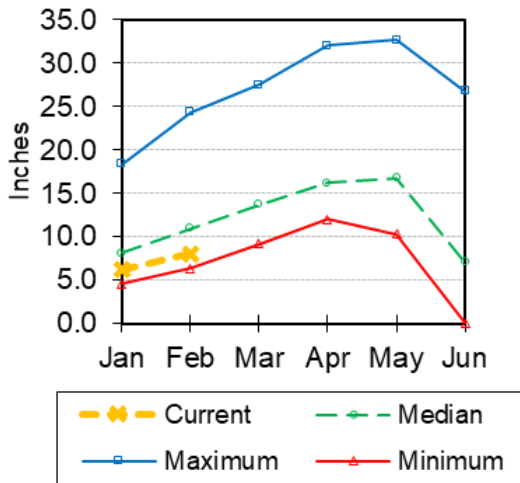


Shoshone River Basin

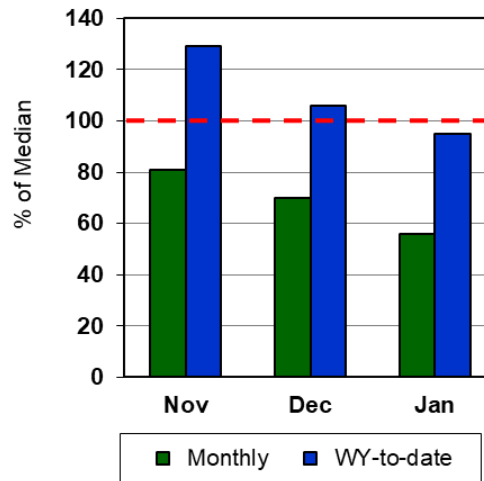
Snow

Snow Water Equivalent (SWE) is 73% of median in this basin. *See Appendix at the end of this report for a detailed listing of snow course information.*

Shoshone River Basin Snow Water Equivalent



Shoshone River Basin Precipitation



Precipitation

Precipitation for last month was 56% of median. The basin year-to-date precipitation is now 95% of median.

Reservoirs

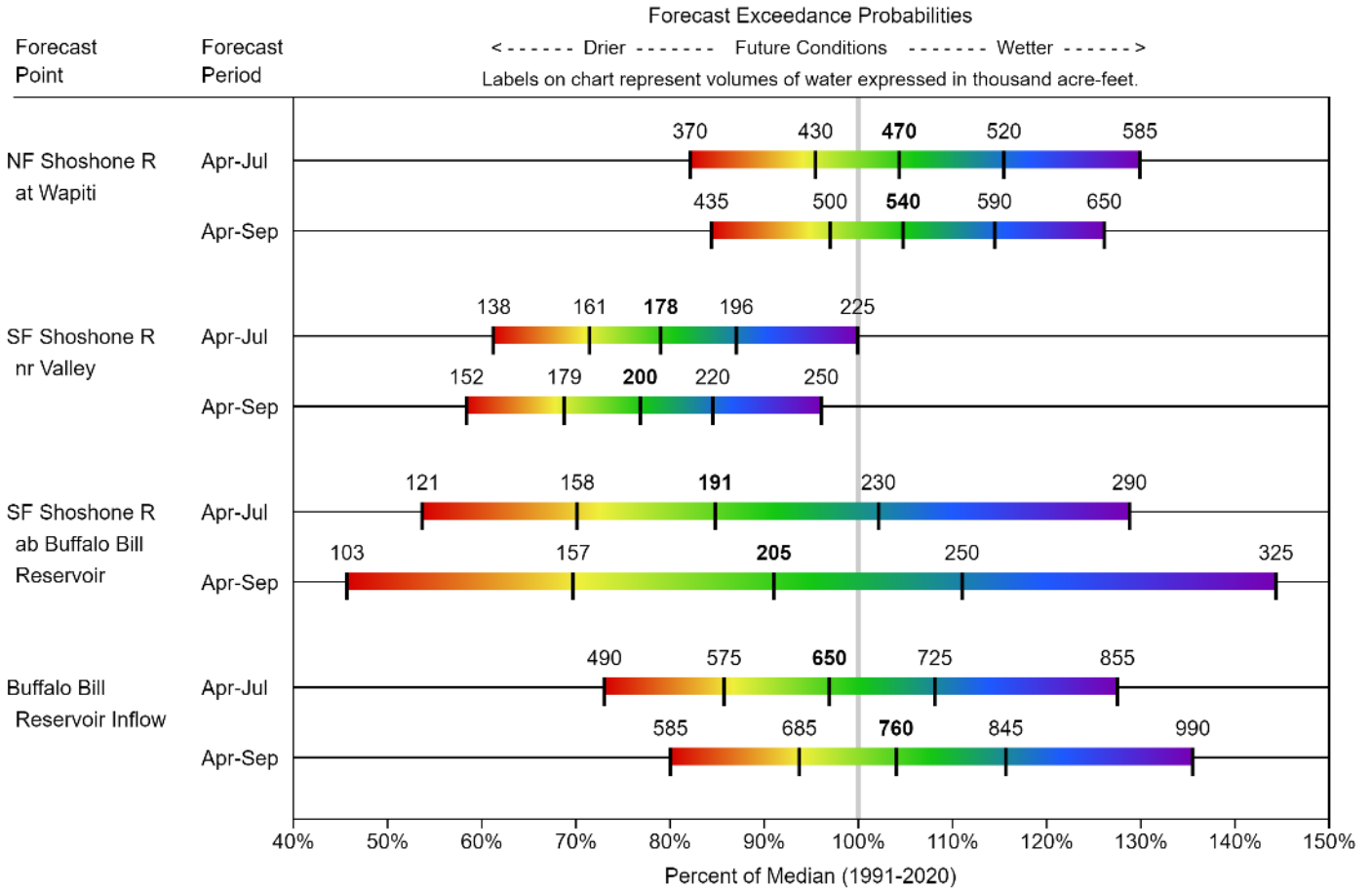
Current storage in Buffalo Bill Reservoir is about 107% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Basin Index	476.9	465.2	446.7	646.6	74%	72%	69%	107%	104%
# of reservoirs					1	1	1	1	1

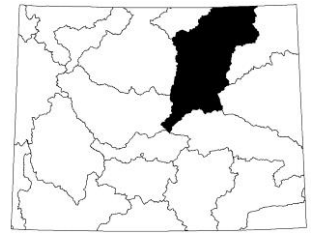
Streamflow

The 50% exceedance forecasts for the April through September period are near normal for the basin. The North Fork Shoshone River at Wapiti should yield 105% of median. The South Fork of the Shoshone River near Valley should yield 77% of median. The Buffalo Bill Reservoir inflow should yield 104% of median. *See the following graph for detailed runoff volumes.*

SHOSHONE Water Supply Forecasts February 1, 2024

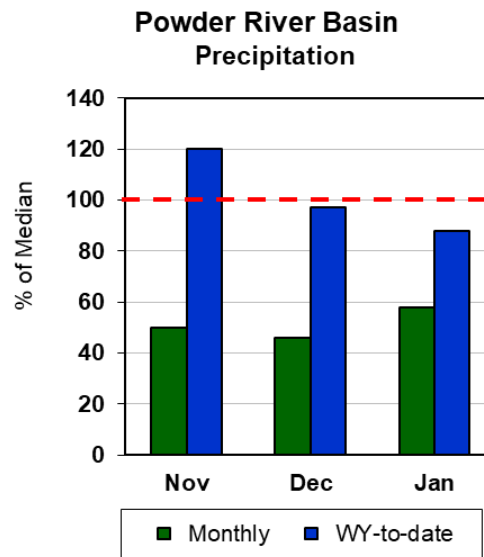
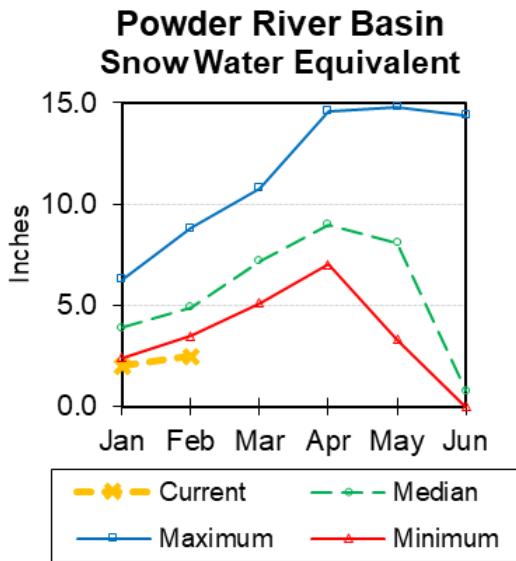


Powder River Basin



Snow

Powder River Basin SWE is at 51% of median. SWE in the Clear Creek drainage is 59% of median. *See appendix at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 58% of median in the basin. Year-to-date precipitation is 88% of median.

Reservoirs

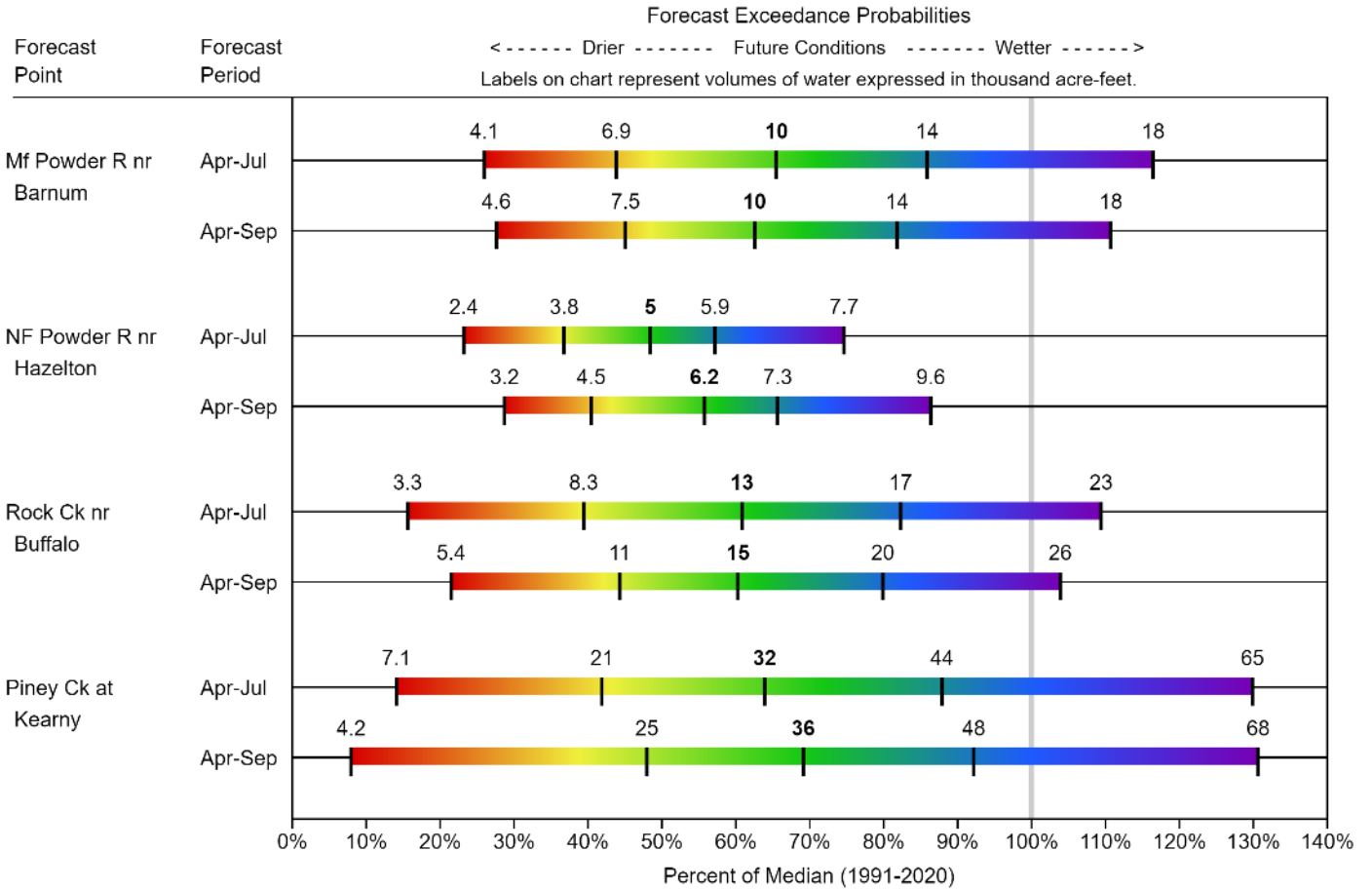
No reservoir data for this basin.

Streamflow

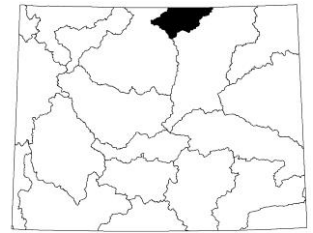
The 50% exceedance forecasts for the April through September period are below normal for the basin. The Middle Fork of the Powder River near Barnum should yield around 63% of median. The North Fork of the Powder River near Hazelton to yield around 56% of median.

See the following graph for detailed runoff volumes.

POWDER
Water Supply Forecasts
February 1, 2024



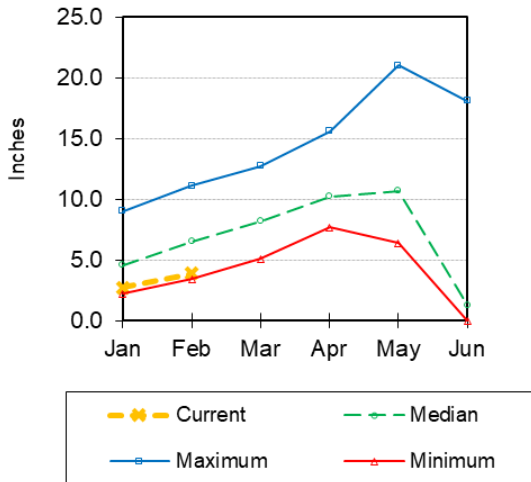
Tongue River Basin



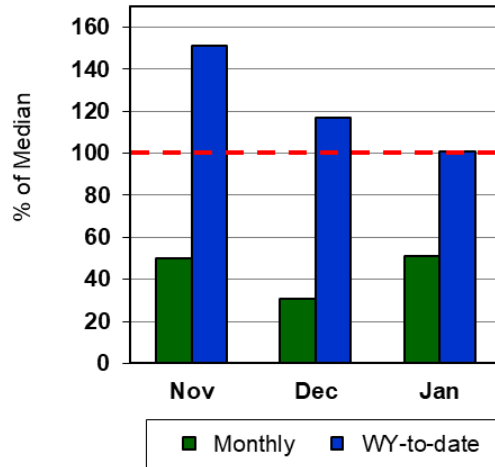
Snow

Upper Tongue River drainage SWE is at 60% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*

**Tongue River Basin
Snow Water Equivalent**



**Tongue River Basin
Precipitation**



Precipitation

Last month's precipitation was 51% of median. Year-to-date precipitation is 101% of median in the basin.

Reservoirs

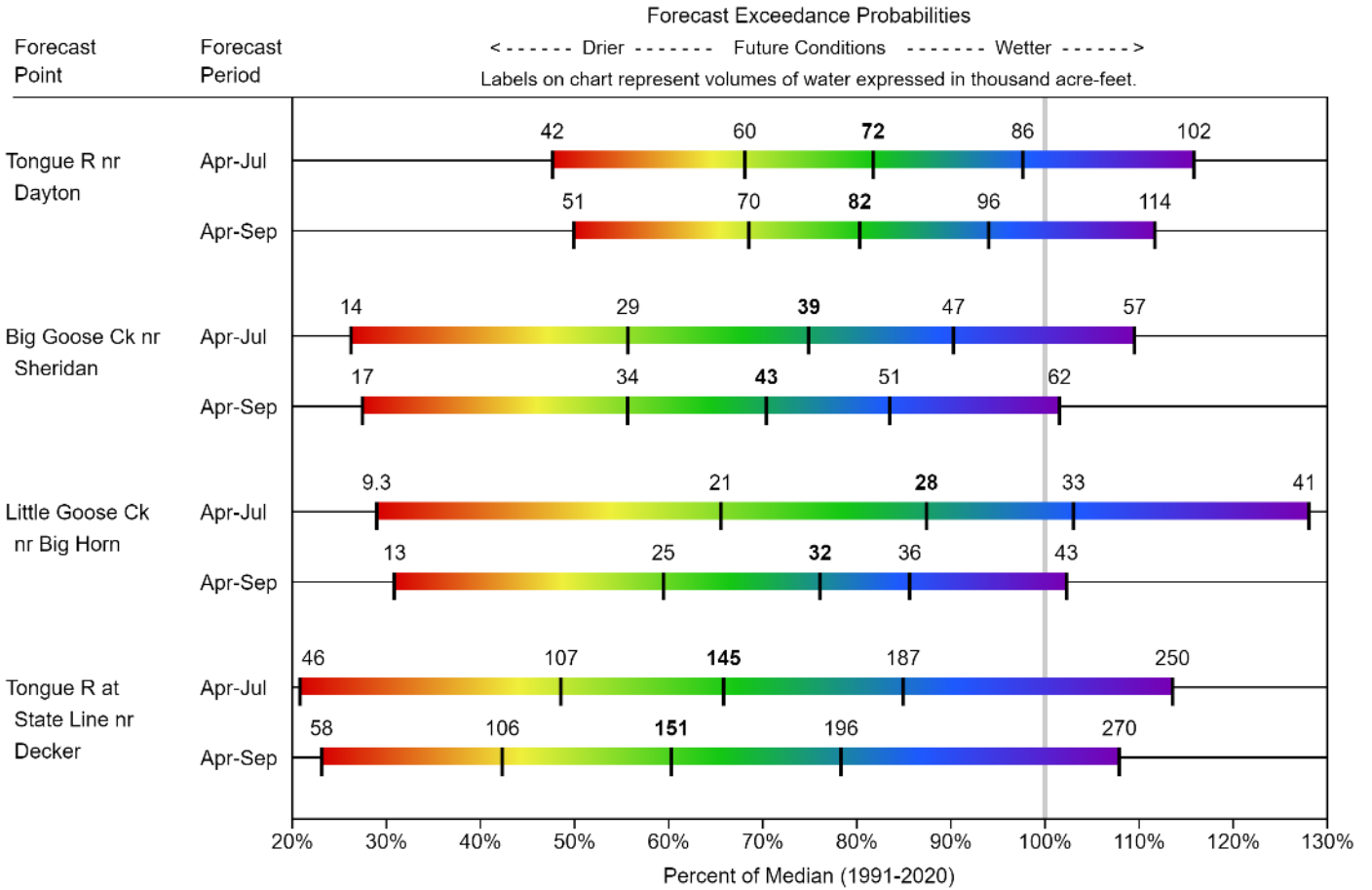
Current storage in Tongue River Reservoir is about 111% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Tongue River Res	47.9	47.9	43.0	79.1	61%	61%	54%	111%	111%
Basin Index					61%	61%	54%	111%	111%
# of reservoirs					1	1	1	1	1

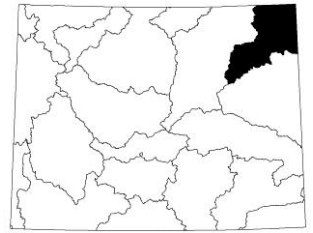
Streamflow

The 50% exceedance forecasts for the April through September period are below normal for the basin. The yield for Tongue River near Dayton is forecasted to be 80% of median. Big Goose Creek near Sheridan should yield around 70%. Little Goose Creek near Bighorn should yield 76% of median. The Tongue River Reservoir Inflow should yield 60% of median. *See below for detailed runoff volumes.*

TONGUE Water Supply Forecasts February 1, 2024

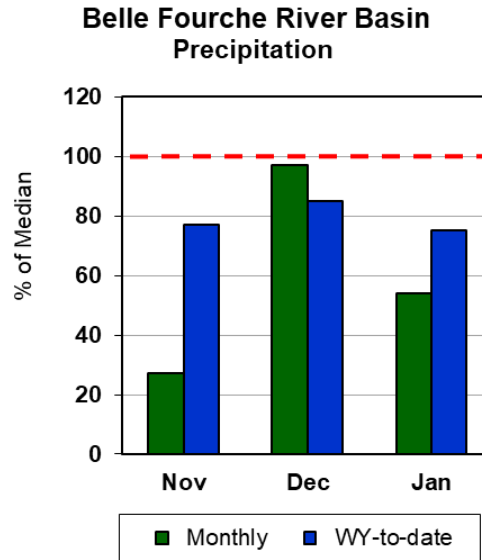
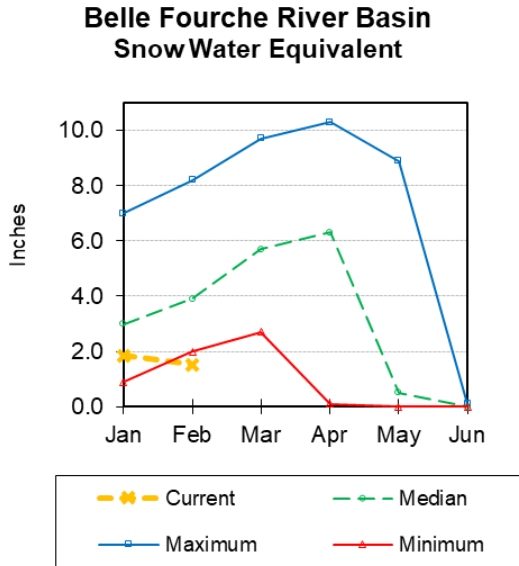


Belle Fourche River Basin



Snow

Currently the Belle Fourche River Basin SWE is at 39% 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 Belle Fourche basin. Year-to-date precipitation is 75% of median.

Reservoirs

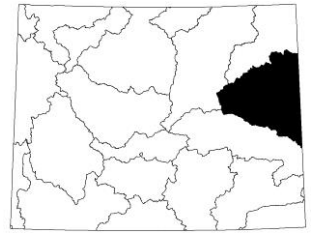
Combined storage for the 2 reservoirs in the basin is at 106% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Belle Fourche	135.6	123.9	132.1	178.4	76%	69%	74%	103%	94%
Keyhole	128.8	117.9	117.2	193.8	66%	61%	60%	110%	101%
Basin Index					71%	65%	67%	106%	97%
# of reservoirs					2	2	2	2	2

Streamflow

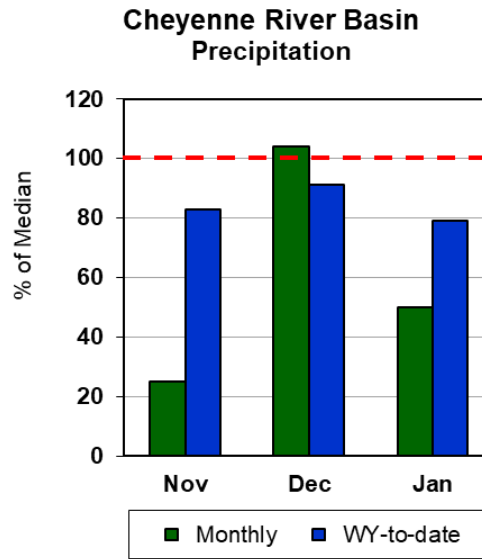
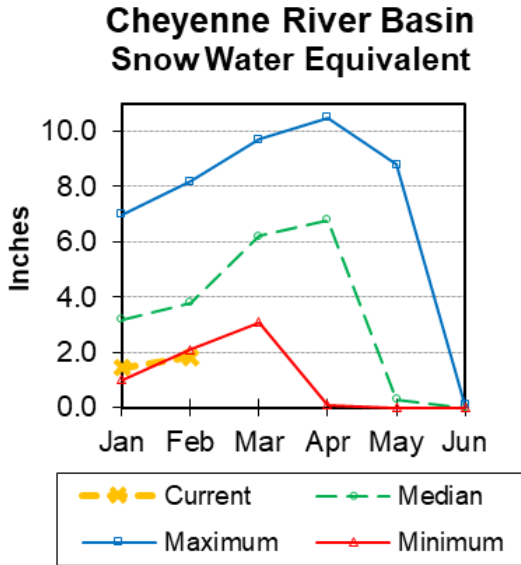
There are no streamflow forecast points for the basin.

Cheyenne River Basin



Snow

Currently SWE for sites in the Cheyenne River Basin are at 48% of median. *See Appendix at the end of this report for a detailed listing.*



Precipitation

Precipitation for last month was 50% of median. Year-to-date precipitation is 79% of median.

Reservoirs

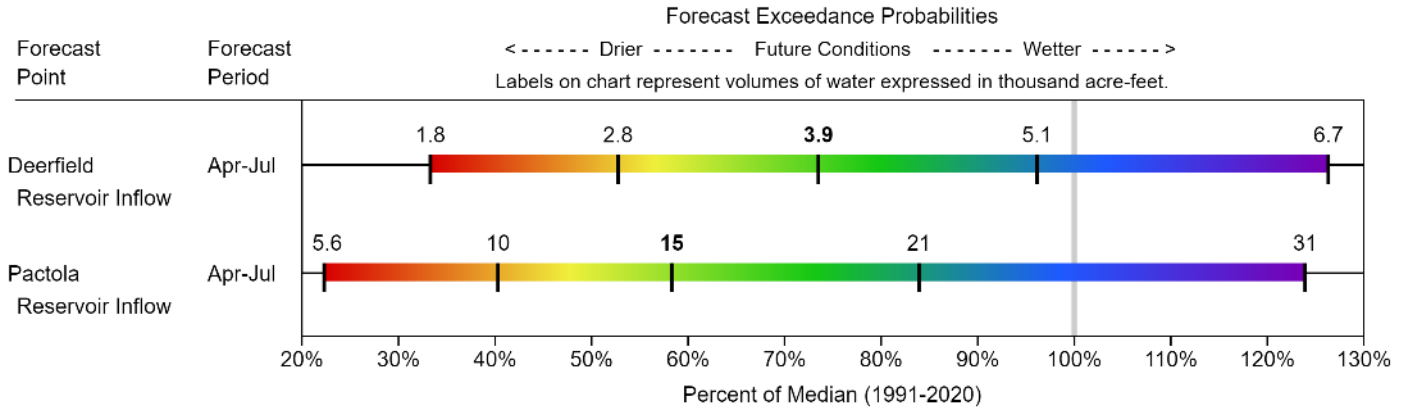
Combined storage for the 3 reservoirs in the basin is at 103% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Deerfield	14.6	14.6	14.8	15.2	96%	96%	97%	99%	99%
Pactola	51.8	50.1	52.4	55.0	94%	91%	95%	99%	96%
Angostura	99.1	63.3	93.3	122.1	81%	52%	76%	106%	68%
Basin Index					86%	67%	83%	103%	80%
# of reservoirs					3	3	3	3	3

Streamflow

The 50% exceedance forecasts for the April through July period are slightly below normal. The Deerfield Reservoir Inflow yield is forecasted at 74% of median. Pactola Reservoir Inflow yield should be 58% of median. *See the following graph for detailed runoff volumes.*

CHEYENNE
Water Supply Forecasts
February 1, 2024



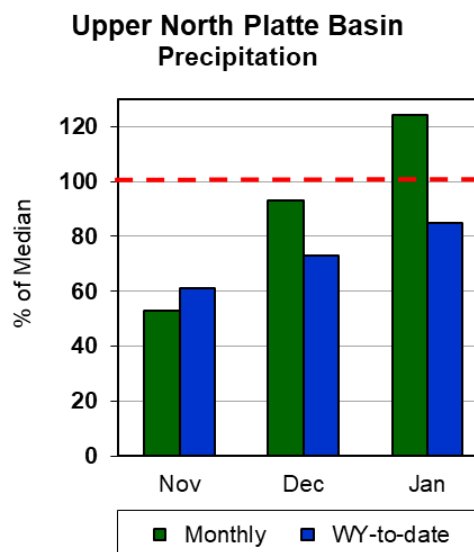
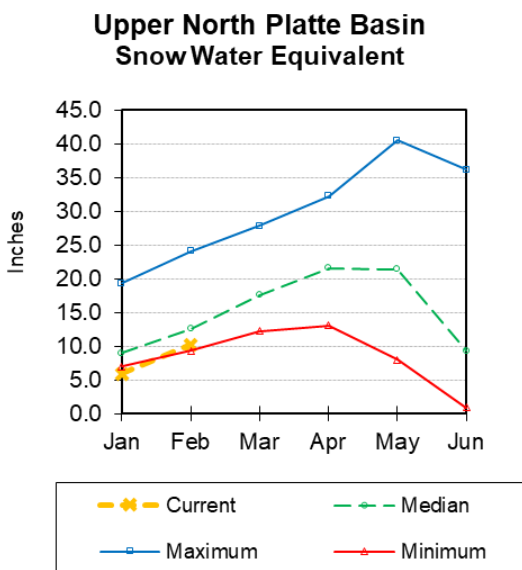
Upper North Platte River Basin



Snow

The Upper North Platte River basin SWE is 81% of median. North Platte above Northgate SWE is 89% of median. Encampment River SWE is 89% of median. Medicine Bow and Rock Creek SWE are 80% of median.

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



Precipitation

Last month's precipitation was 124% of median. Total water-year-to-date precipitation is 85% of median.

Reservoirs

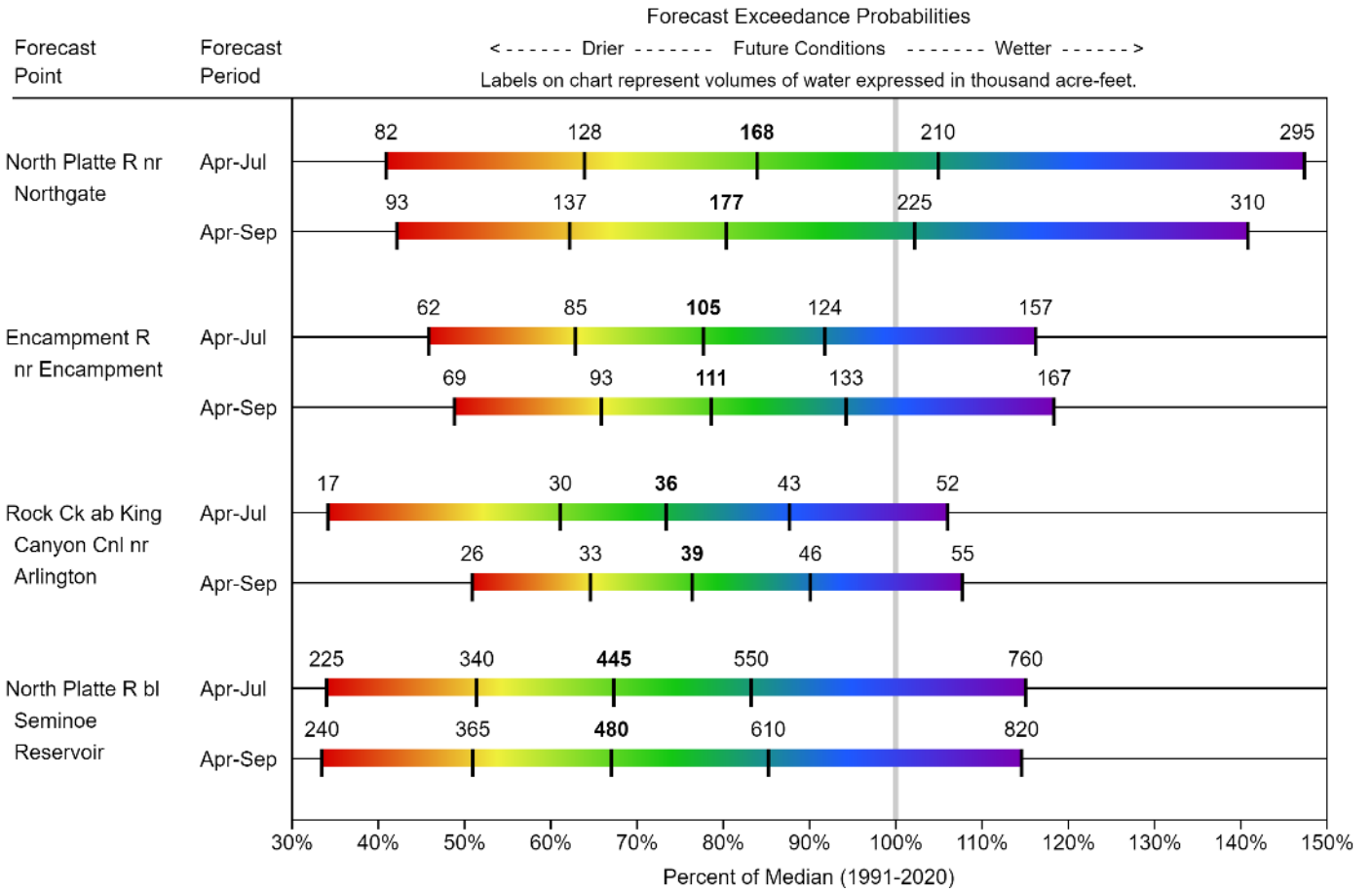
Combined storage for reservoirs in the Upper North Platte River Basin is at 116% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Seminole	638.3	446.9	595.8	1016.7	63%	44%	59%	107%	75%
Pathfinder	705.9	350.3	565.6	1016.5	69%	34%	56%	125%	62%
Basin Index					66%	39%	57%	116%	69%
# of reservoirs					2	2	2	2	2

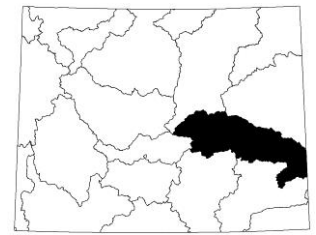
Streamflow

The 50% exceedance forecasts for the April 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 80% of median. The Encampment River near Encampment yield will be about 79%. Rock Creek near Arlington yield will be around 76%. Seminole Reservoir inflow should be about 67% of median. *See the following page for more detailed information on projected runoff.*

UPPER NORTH PLATTE
Water Supply Forecasts
February 1, 2024

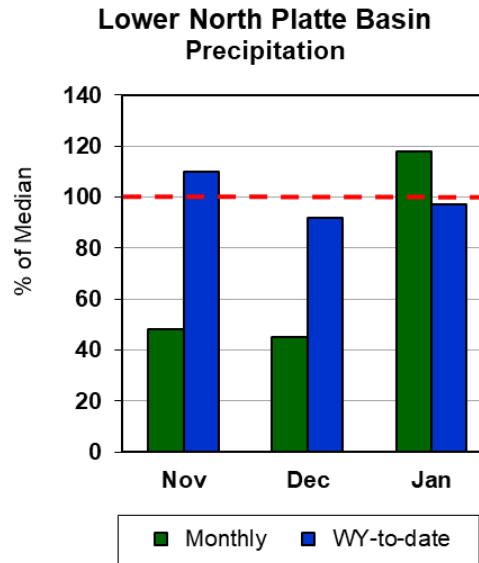
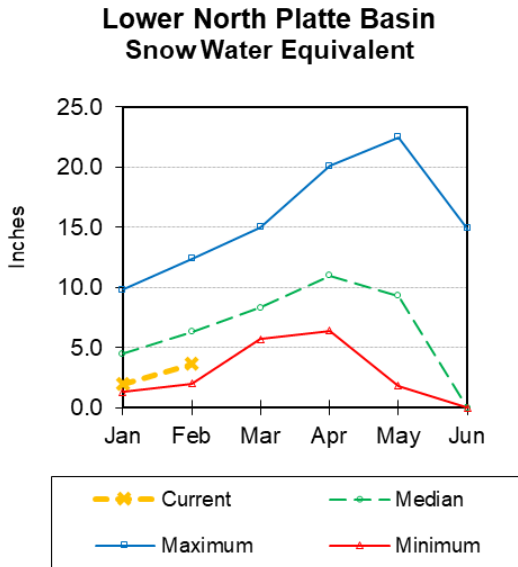


Lower North Platte River Basin



Snow

Currently, SWE in the Lower North Platte River Basin is 62% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 118% of median. The water year-to-date precipitation for the basin is currently 97% of median.

Reservoirs

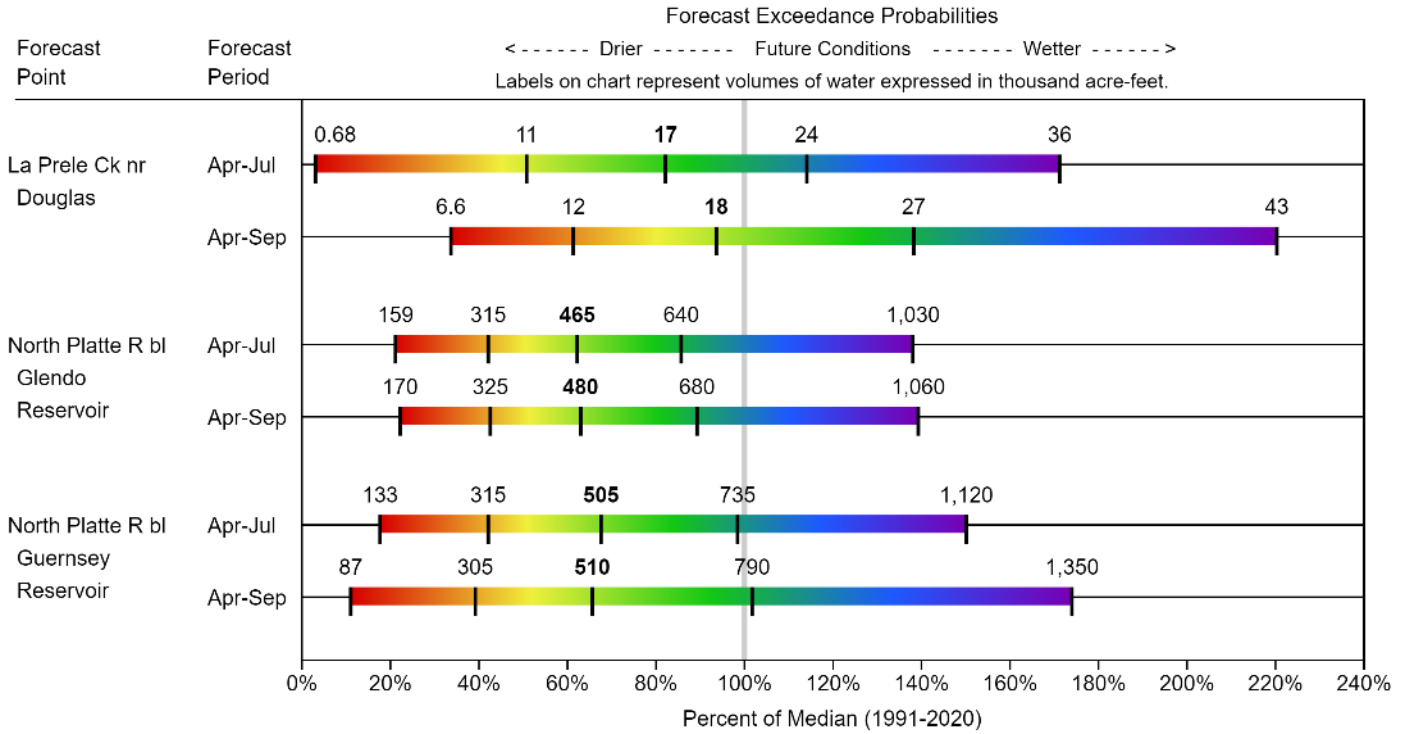
Combined storage for the 3 reservoirs in the basin is at 103% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Guernsey	14.9	13.7	13.9	45.6	33%	30%	30%	108%	98%
Glendo	294.5	257.5	281.5	506.4	58%	51%	56%	105%	91%
Alcova	157.4	157.6	156.4	184.3	85%	86%	85%	101%	101%
Basin Index					63%	58%	61%	103%	95%
# of reservoirs					3	3	3	3	3

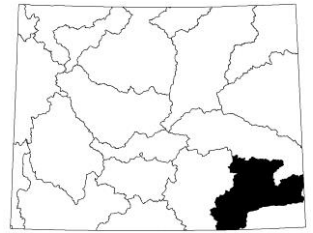
Streamflow

The 50% exceedance forecasts for the April through September period are below normal. LaPrele Creek near Douglas is forecasted to yield 94% of median. North Platte River below Guernsey Reservoir should yield around 66% of median. *See the following for more detailed information on projected runoff.*

LOWER NORTH PLATTE
Water Supply Forecasts
February 1, 2024

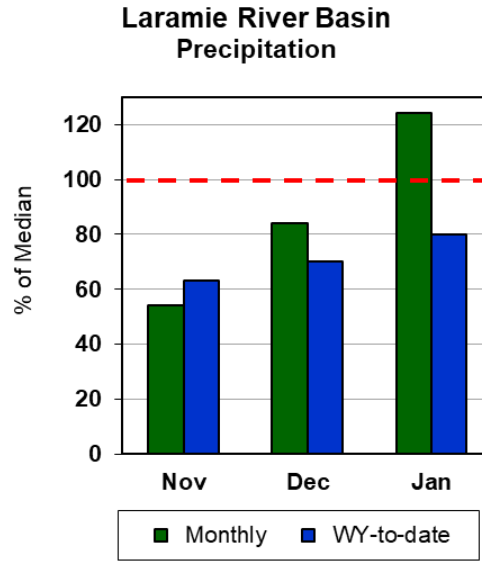
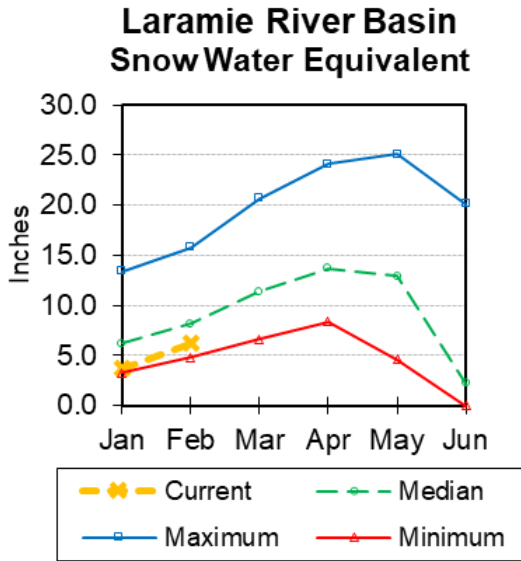


Laramie River Basin



Snow

SWE for the entire Laramie River Basin (above mouth entering North Platte) is 76% of median. SWE for the Laramie River above Laramie is 80% of median. SWE for the Little Laramie River is 80% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 124% of median. The water year-to-date precipitation for the basin is currently 80% of median.

Reservoirs

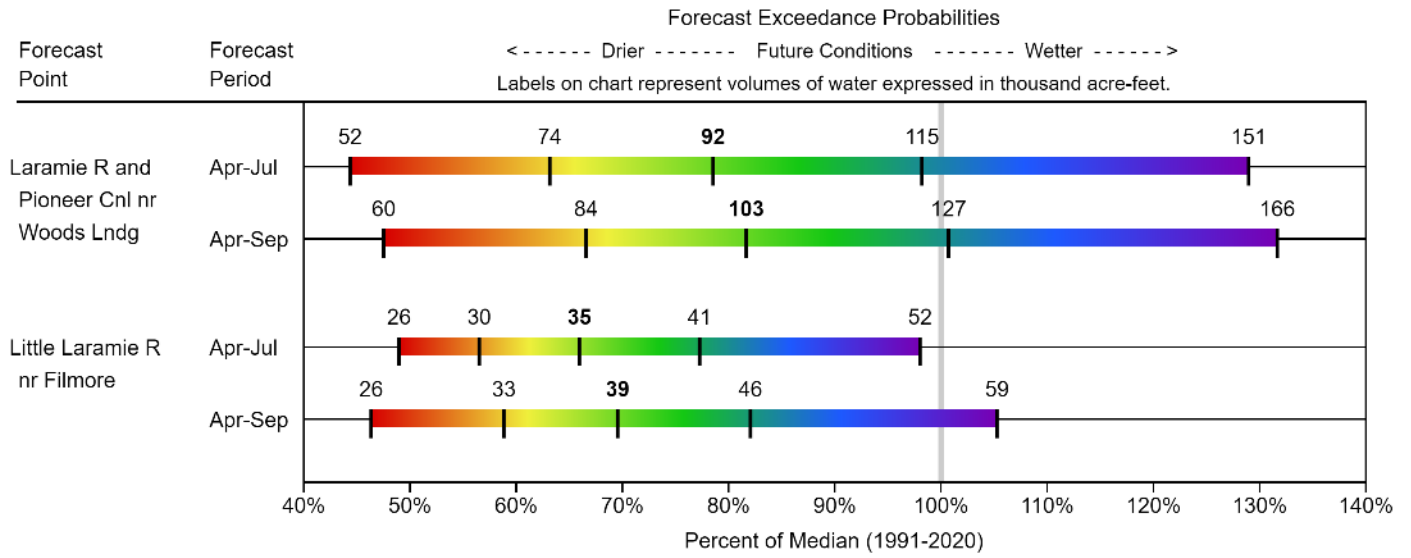
The storage for the reservoir in this basin is at 111% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Wheatland #2	51.0	NA	46.0	98.9	52%	NA	47%	111%	NA
Basin Index					52%	NA	47%	111%	NA
# of reservoirs					1	1	1	1	1

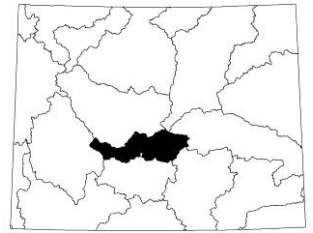
Streamflow

The 50% exceedance forecasts for the April through September period are below normal. Laramie River near Woods Landing is forecasted to yield around 82% of median. The Little Laramie near Filmore should produce about 70% of median. *See the following graph for detailed runoff volumes.*

LARAMIE
Water Supply Forecasts
February 1, 2024

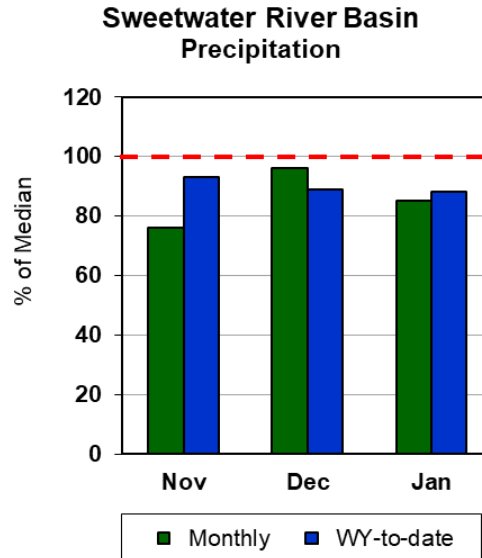
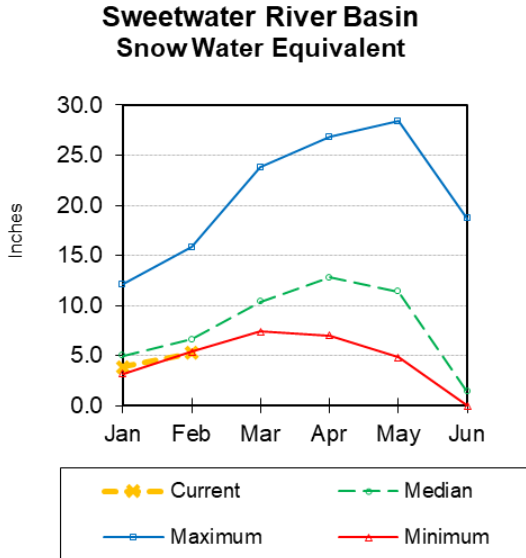


Sweetwater River Basin



Snow

Sweetwater River Basin SWE is at 80% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 85% of median. The water year-to-date precipitation for the basin is currently 88% of median.

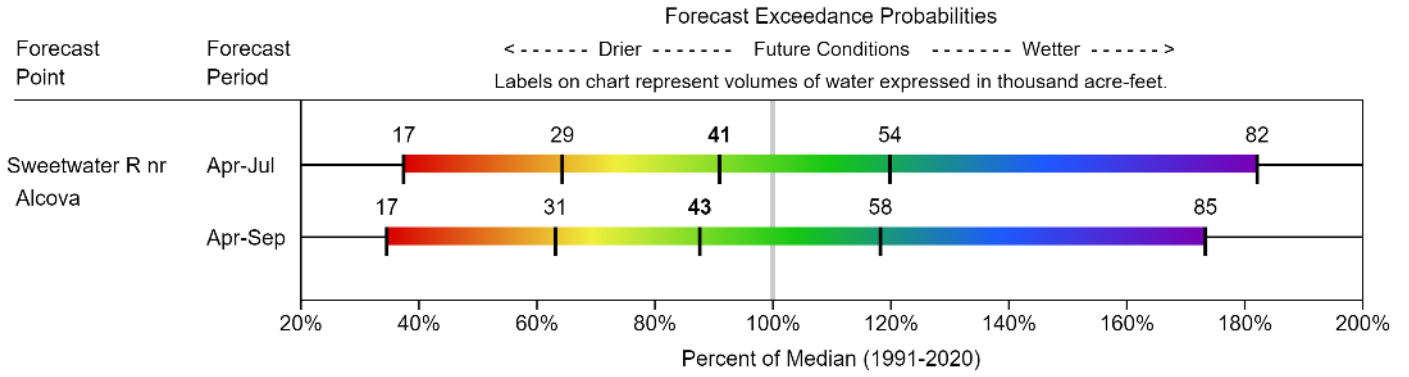
Reservoirs

No reservoir data for the basin.

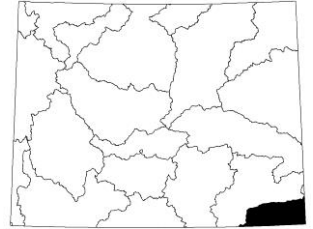
Streamflow

The 50% exceedance forecasts for the April through September period in the Sweetwater Basin is slightly below normal. The Sweetwater River near Alcova will yield about 88% of median. *See below for detailed information on projected runoff.*

SWEETWATER
Water Supply Forecasts
February 1, 2024

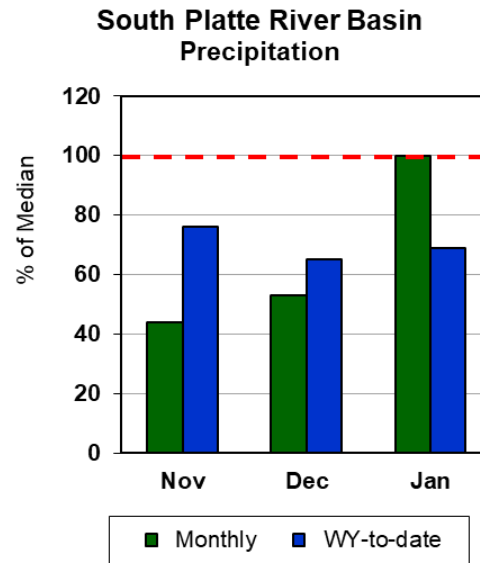
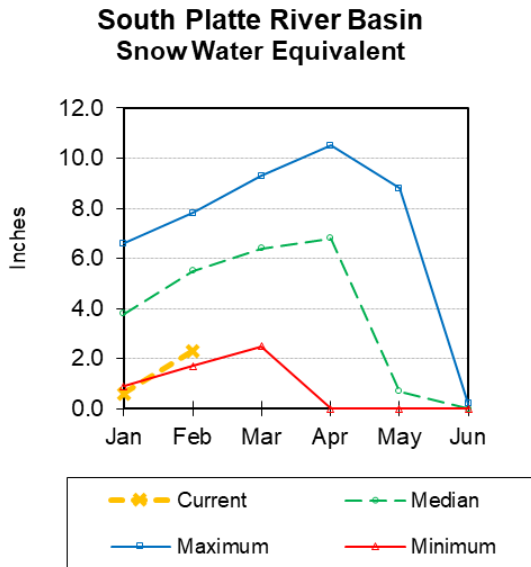


South Platte River Basin (WY)



Snow

The median SWE for sites in the South Platte River Basin is 41% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 100% of median. The water year-to-date precipitation for the basin is currently 69% of median.

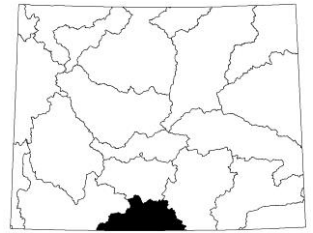
Reservoirs

No reservoir data for the basin.

Streamflow

There are no streamflow forecast points for the basin.

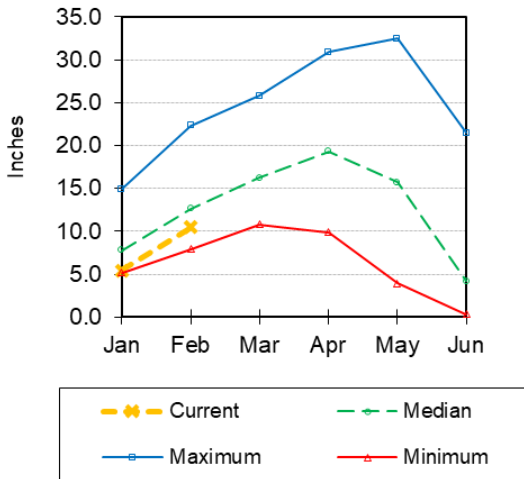
Little Snake River Basin



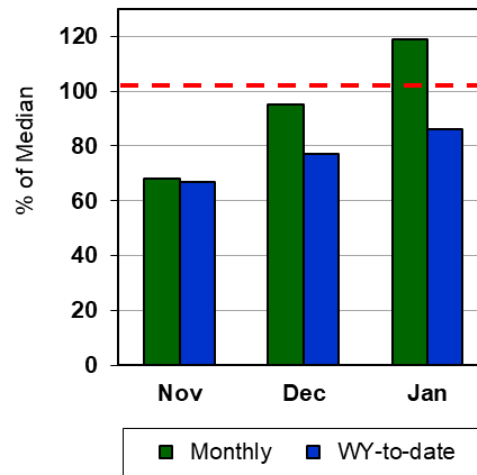
Snow

Little Snake River drainage SWE is 83% of median. See *Appendix at the end of this report for a detailed listing of snow course information.*

**Little Snake River Basin
Snow Water Equivalent**



**Little Snake River Basin
Precipitation**



Precipitation

Precipitation across the basin was 119% of median. The Little Snake River Basin water-year-to-date precipitation is currently 86% of median.

Reservoirs

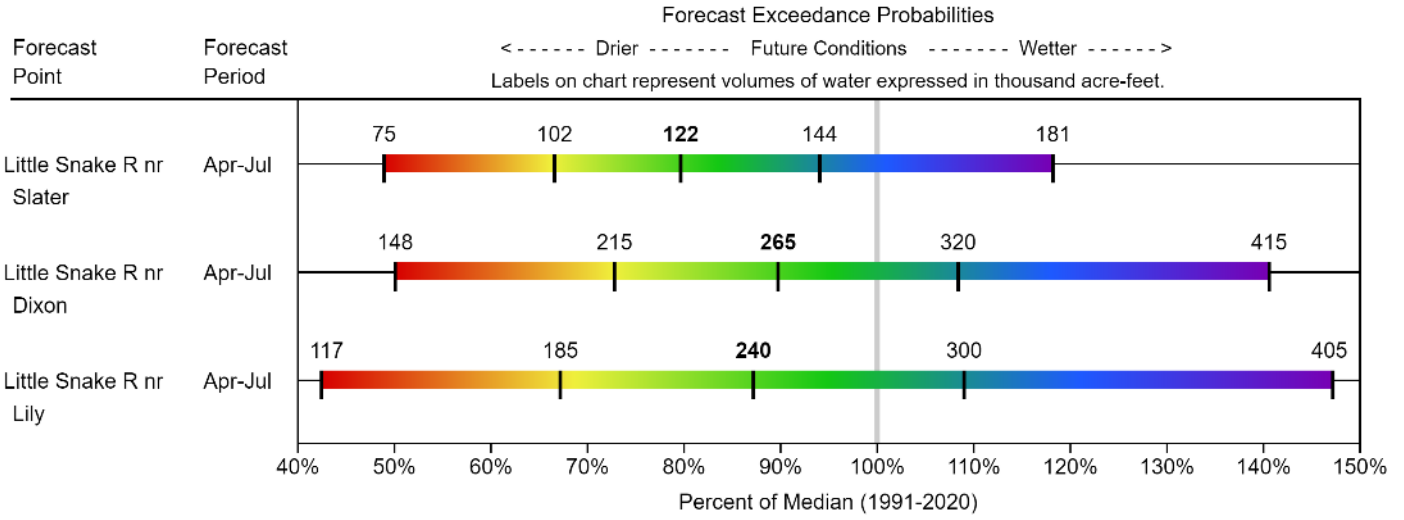
The storage for the reservoir in this basin is at 120% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
High Savery Res	13.9	6.9	11.6	22.4	62%	31%	52%	120%	59%
Basin Index					62%	31%	52%	120%	59%
# of reservoirs					1	1	1	1	1

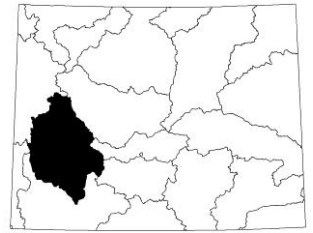
Streamflow

The 50% exceedance forecasts for the April through July period is below normal. The Little Snake River near Slater is forecasted to yield around 80% of median. *See below for detailed information on projected runoff.*

LITTLE SNAKE
Water Supply Forecasts
February 1, 2024

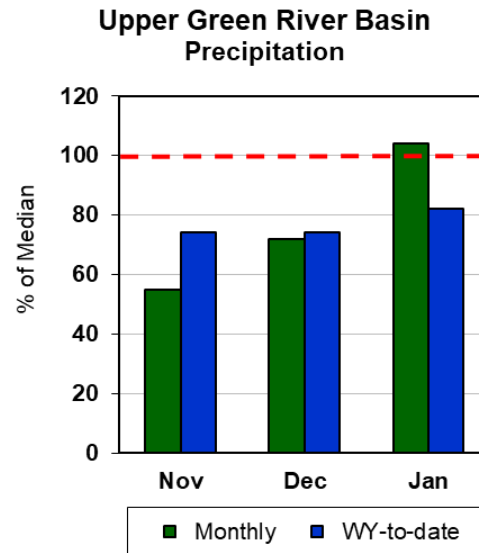
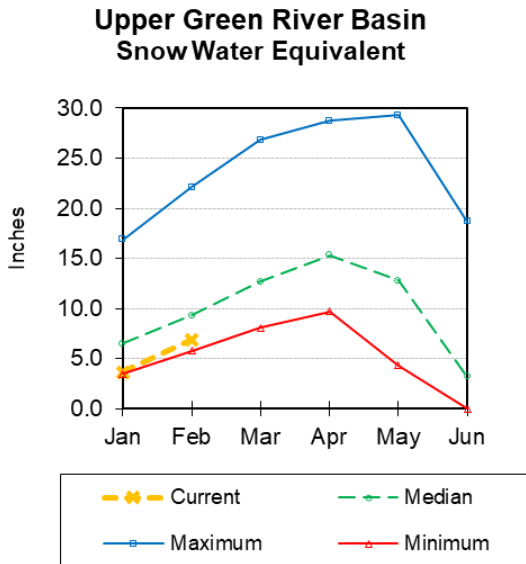


Upper Green River Basin



Snow

The Upper Green River Basin SWE (above Fontenelle Reservoir) is 74% of median. Green River Basin above Warren Bridge SWE is 66% of median. West Side of Upper Green River Basin SWE is 77% 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 104% of median last month. Water year-to-date precipitation is 82% of median.

Reservoir

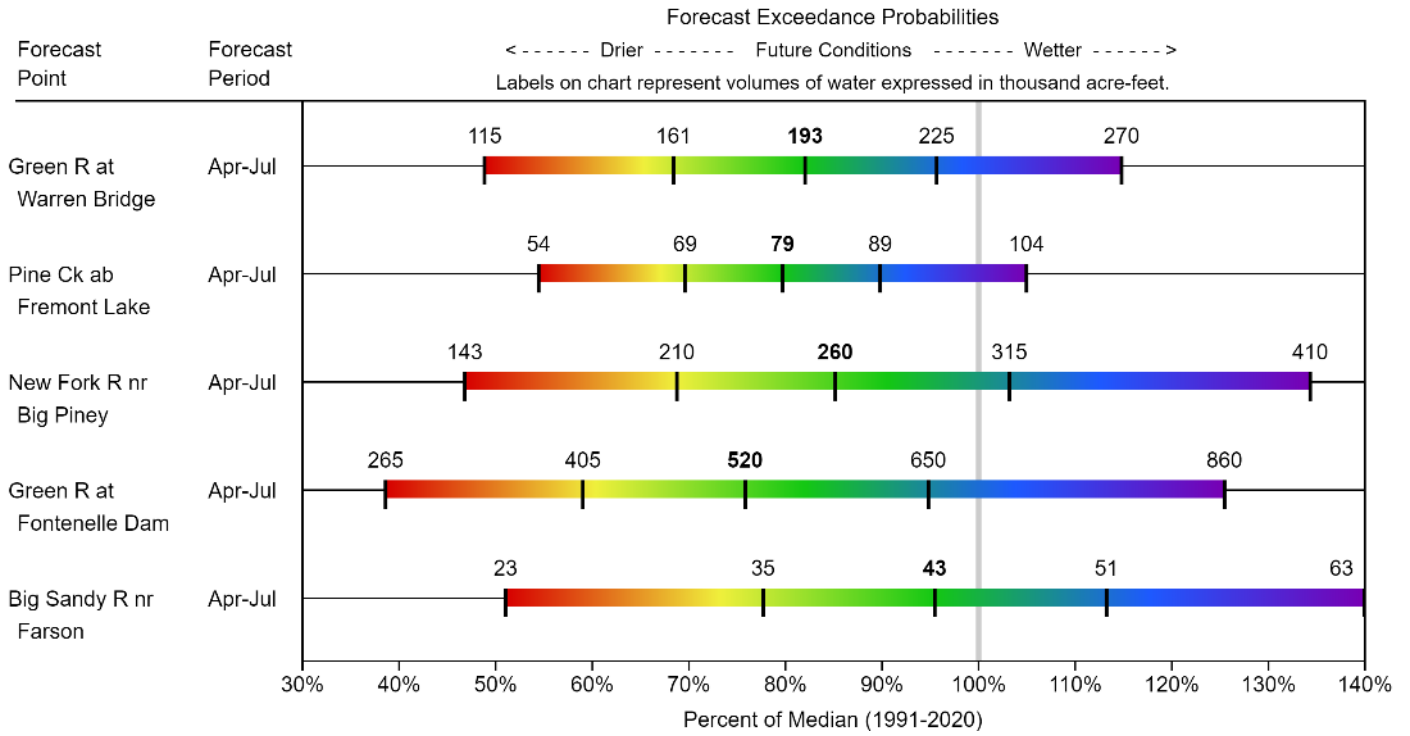
Combined water storage in the basin was at 111% of median for the 2 reservoirs.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Big Sandy	39.1	7.5	18.2	38.3	102%	20%	48%	215%	41%
Fontenelle	163.9	166.8	165.4	344.8	48%	48%	48%	99%	101%
Basin Index					53%	45%	48%	111%	95%
# of reservoirs					2	2	2	2	2

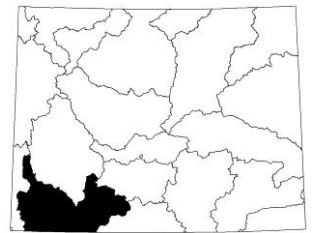
Streamflow

The 50% exceedance forecasts for the April through July period will be below normal. The yield on the Green River at Warren Bridge is about 82% of median. New Fork River near Big Piney yield will be around 85% of median. Green River at Fontenelle Dam is estimated to be about 76% of median. *See the following for a more detailed forecast.*

UPPER GREEN
Water Supply Forecasts
February 1, 2024



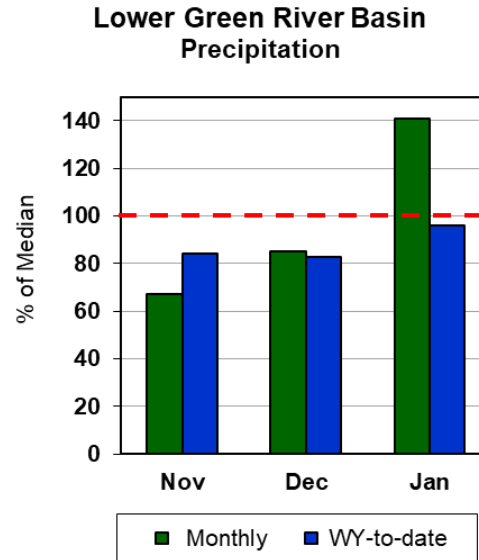
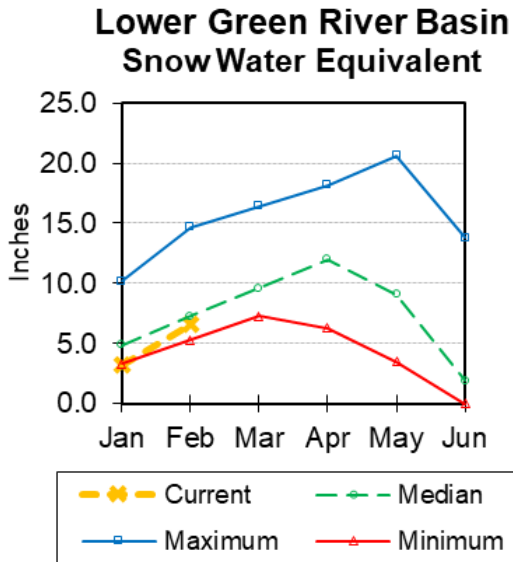
Lower Green River Basin



Snow

Lower Green River Basin SWE is at 90% of median. Hams Fork drainage SWE is 85% of median. Blacks Fork drainage SWE is 96% 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 143% of median. The basin year-to-date precipitation is currently 97% of median.

Reservoirs

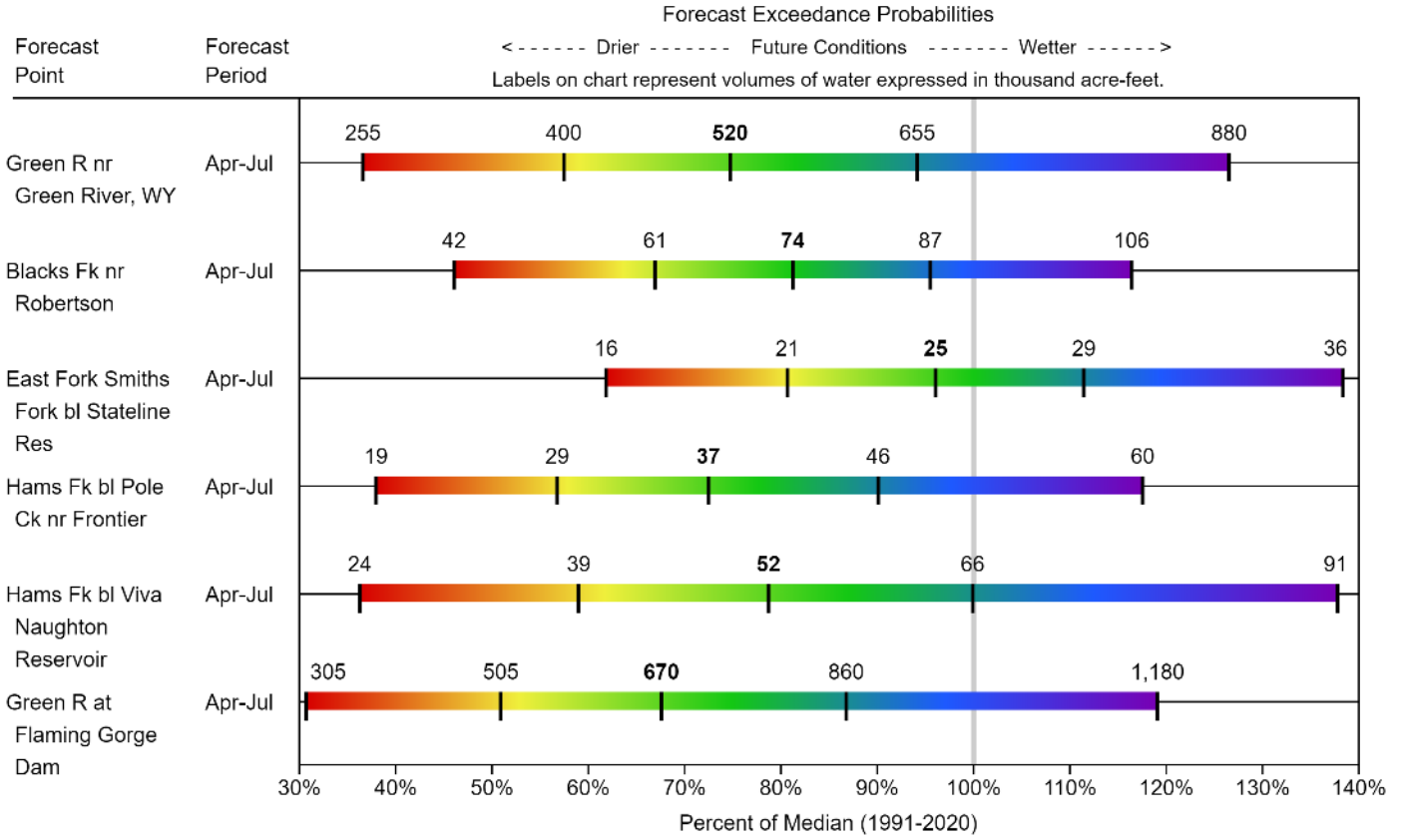
Combined storage for the 4 reservoirs in the basin was at 101% of median at the end of last month.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Viva Naughton Res	34.7	30.7	30.2	42.4	82%	72%	71%	115%	102%
Stateline Reservoir	8.0	6.1	5.7	12.0	67%	50%	48%	140%	106%
Flaming Gorge Res	3131.4	2496.9	3111.0	3749.0	84%	67%	83%	101%	80%
Meeks Cabin Res	17.2	9.2	9.8	32.5	53%	28%	30%	175%	94%
Basin Index					83%	66%	82%	101%	81%
# of reservoirs					4	4	4	4	4

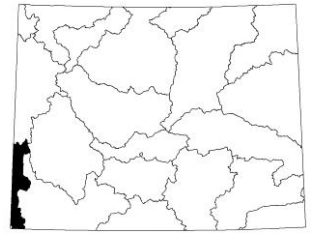
Streamflow

The 50% exceedance forecasts for the April through July period in this basin is below normal. The Green River near Green River will yield about 75% of median. The Flaming Gorge Reservoir inflow will be about 68% of median. *See the following page for more detailed information on projected runoff.*

LOWER GREEN
Water Supply Forecasts
February 1, 2024



Upper Bear River Basin

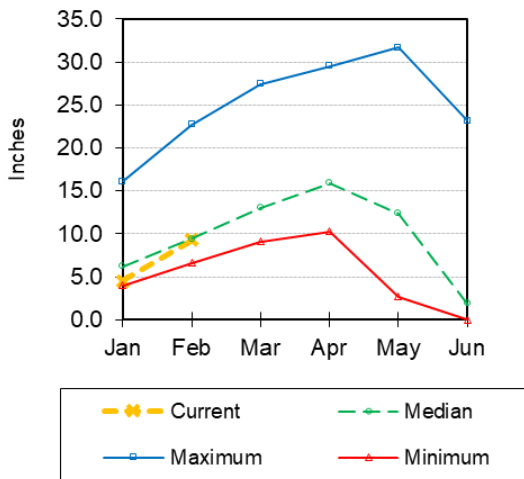


Snow

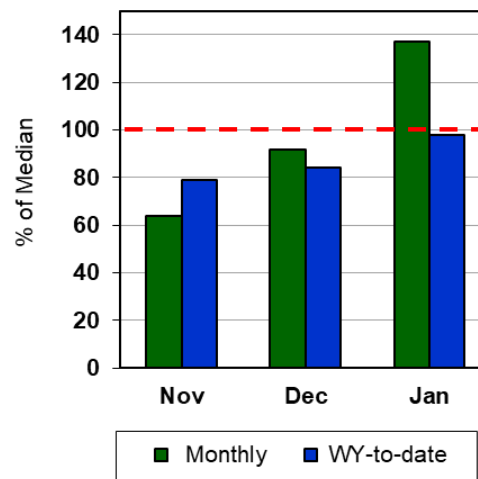
SWE in the Upper Bear River Basin of Utah is 99% of median. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is 92% of median.

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

**Upper Bear River Basin
Snow Water Equivalent**



**Upper Bear River Basin
Precipitation**



Precipitation

Precipitation for last month was 137% of median in the basin. The year-to-date precipitation for the basin is 98% of median.

Reservoirs

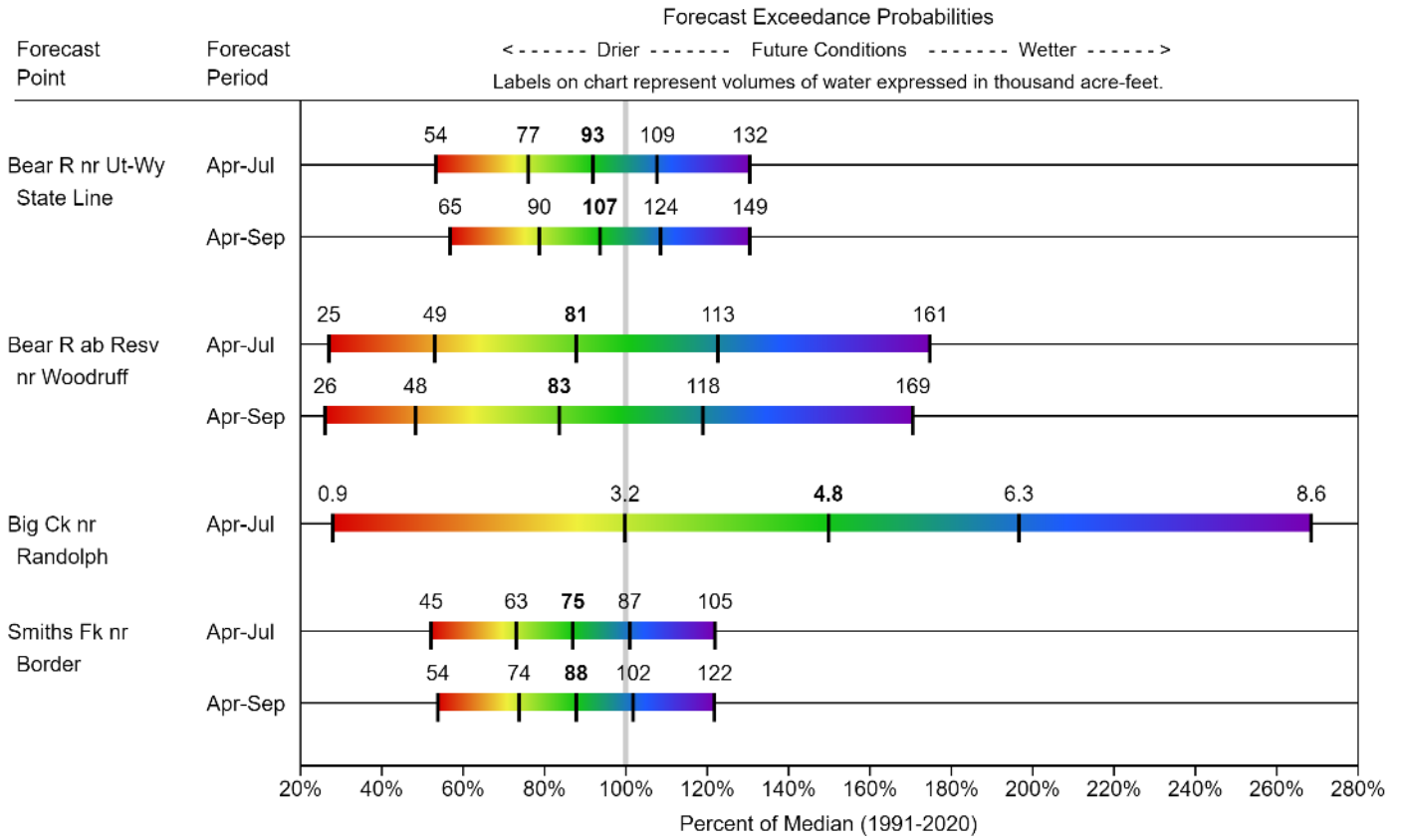
Combined reservoir storage in this basin is at 133% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Woodruff Creek	2.0	2.2	2.2	4.0	49%	55%	55%	90%	100%
Woodruff Narrows Res	48.8	13.5	36.0	57.3	85%	24%	63%	136%	37%
Basin Index					83%	26%	62%	133%	41%
# of reservoirs					2	2	2	2	2

Streamflow

The 50% exceedance forecasts for the April through September period are slightly below normal. The Bear River above Reservoir near Woodruff should yield around 84% of median. The Smiths Fork River near Border Jct. will yield around 88%. *See the following page for more detailed information on projected runoff.*

UPPER BEAR
Water Supply Forecasts
February 1, 2024



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/

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:

Terry Cosby (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