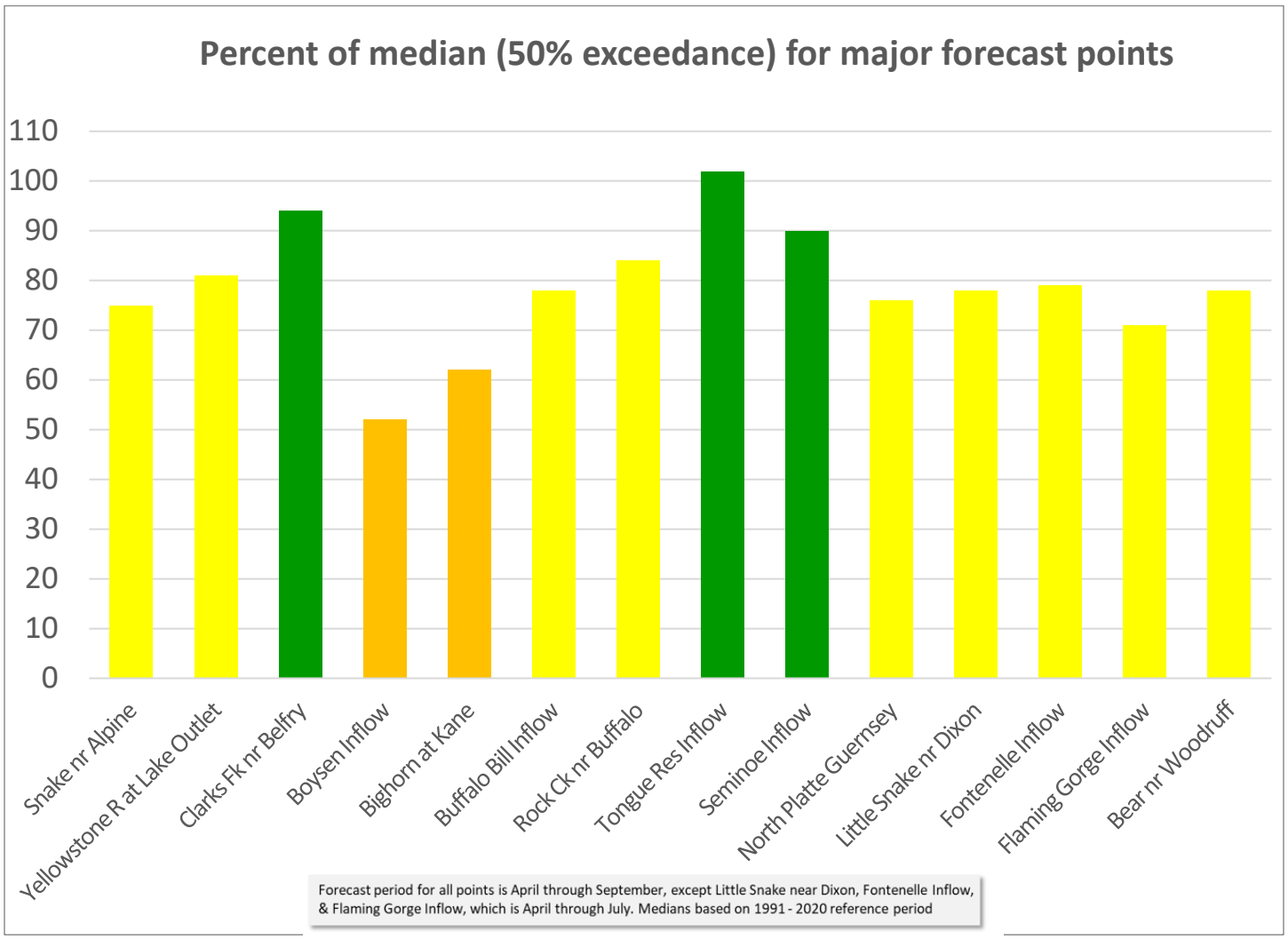
United States Department of Agriculture

Wyoming Basin & Water Supply Outlook Report
February 7, 2025

Natural Resources Conservation Service

Wyoming Surveyor, photo credit USDA-NRCS Wyoming 2/1/1979

Forecasted stream flows for February 1st, 2025



Fifty percent exceedance probability for all major forecast points listed above are expected to be below 100% of normal except for Tongue River Reservoir Inflow. Tongue River Reservoir Inflow is expected to be 102% of normal. Fifty percent exceedance probability for nine major forecast points listed above are expected to be below 80% of normal.

Basin Outlook Reports
And
Federal - State - Private Cooperative Snow Surveys

For more information, contact:

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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.

Wyoming Basin & Water Supply Outlook Report

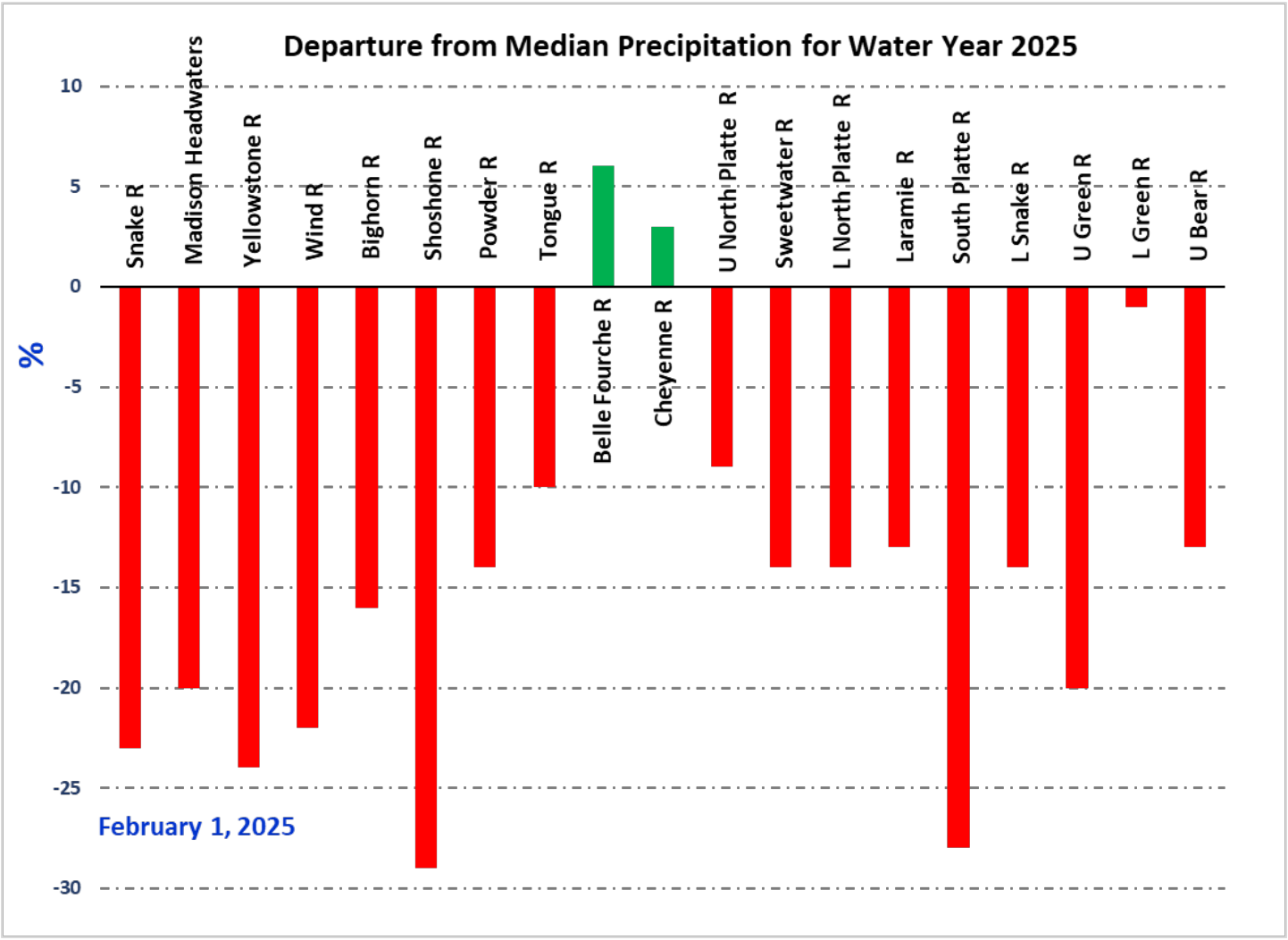
Snowpack

Snow water equivalent (SWE)across Wyoming for February 1st was at 85% of median. SWE in the Belle Fourche River Basin was the highest at 116% of median and lowest for the South Platte River Basin at 64% of median. On February 1st, 2025, the following basins were below the 90% of median SWE recorded for the 1991 - 2020 interval: South Platte, Powder, Shoshone, Yellowstone, Wind, Madison Headwaters, Sweetwater, Snake, Little Snake, Lower North Platte, Upper Bear, and Upper Green *See the map on page 6 and the Appendix for further information.*

Precipitation

The South Platte River Basin had the highest precipitation for the month at 209% of median. The Madison Headwaters of Wyoming had the lowest precipitation amount for the month at 59% of median. The following graph displays the precipitation in major river basins and their departure from median for the water year beginning October 1st, 2025.

See Appendix for further information.



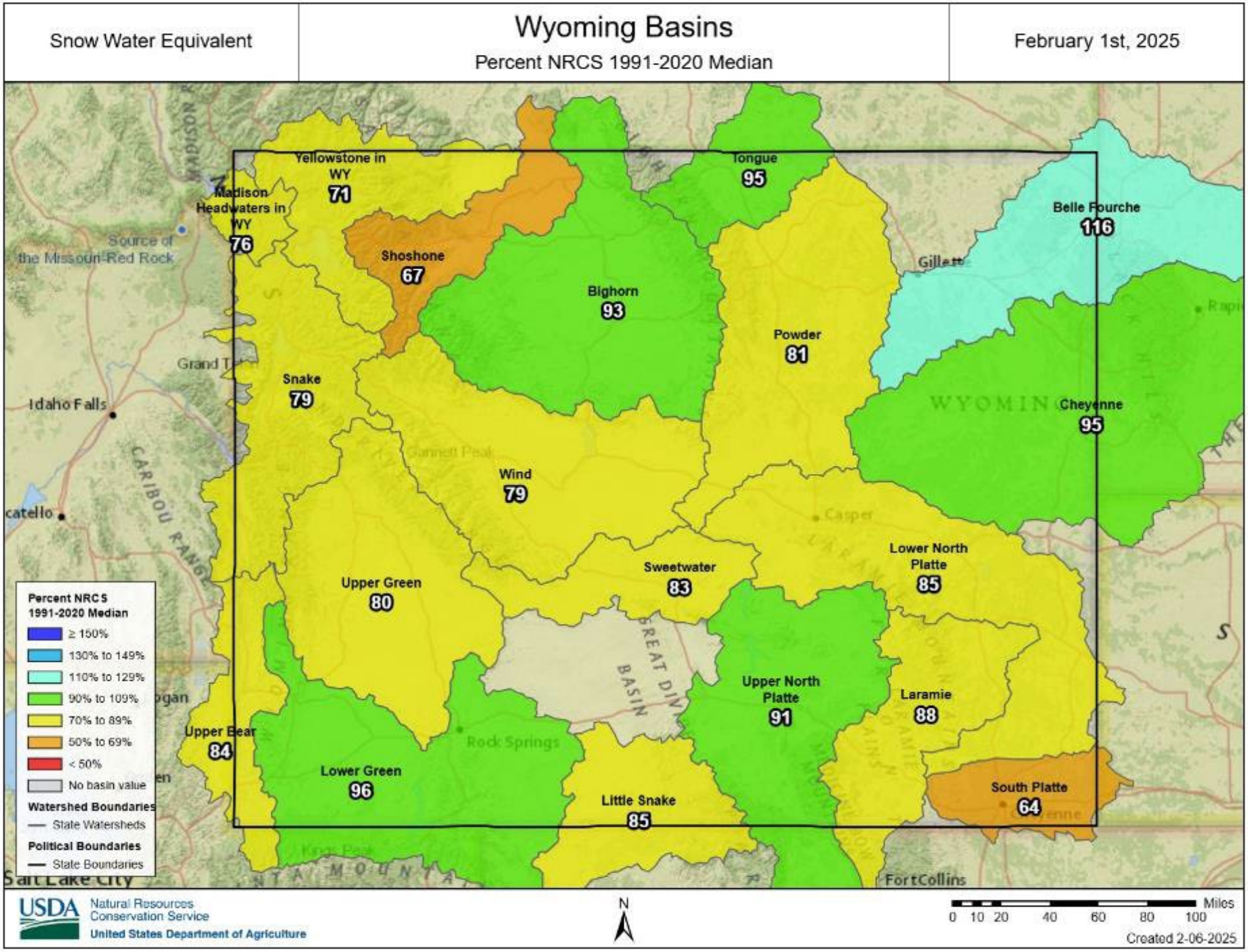
Streams

Forecast median streamflow yields for April thru September in Wyoming basins (except Upper Green, Lower Green, Little Snake and Cheyenne) average 84%. Forecast median stream flow yields for April thru July in Upper Green, Lower Green, Little Snake, and Cheyenne average 82%, 80%, 81%, and 116%. The Snake River and Yellowstone River in Wyoming, basins should yield about 75% and 88% of median. Yields from the Wind and Bighorn River basins should be about 75% and 78% of median. Yields from the Shoshone River basin should be 79% of median. Yields from the Powder and Tongue River basins should be about 95% and 102% of median. Yields for the Sweetwater, Upper North Platte, Lower North Platte, and Laramie Rivers of Wyoming should be about 73%, 93%, 81%, and 102% of median, respectively.

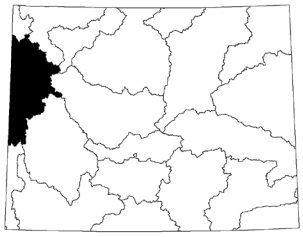
Reservoirs

Reservoir storage was 89% of median across the entire state. Reservoirs in the Snake River basin are near median at 104%. Reservoirs in the Wind River basin are below median at 82%. The Boyson Reservoir in the Wind River basin is below median at 87%. The Buffalo Bill Reservoir on the Shoshone is below median at 83%. Reservoirs in the Belle Fourche and Cheyenne River basins are near median at 90% and 89% respectively. Reservoirs on the Upper and Lower North Platte River are near median at 95% and 92% respectively. Reservoirs on the Upper Green River are near median at 93%. Reservoirs on the Lower Green River are near median 99%. Reservoirs in the Upper Bear below median at 87%. Reservoir in the Laramie Basin is below median at 53%. *See below for further information.* **Wyoming Reservoir Levels**

	Reservoir Storage Summary For the End of January 2025								
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Alcova	157.5	157.4	156.4	184.3	85%	85%	85%	101%	101%
Angostura	80.9	99.1	93.3	122.1	66%	81%	76%	87%	106%
Belle Fourche	112.5	135.6	132.1	178.4	63%	76%	74%	85%	103%
Big Sandy	24.4	39.1	18.2	38.3	64%	102%	48%	134%	215%
Bighorn Lake	818.4	852.6	854.2	1356.0	60%	63%	63%	96%	100%
Boysen	479.9	590.1	551.9	596.0	81%	99%	93%	87%	107%
Buffalo Bill	372.3	476.9	446.7	646.6	58%	74%	69%	83%	107%
Bull Lake	35.0	71.2	80.9	151.8	23%	47%	53%	43%	88%
Deerfield	14.7	14.6	14.8	15.2	97%	96%	97%	99%	99%
Flaming Gorge Res	3088.3	3131.4	3111.0	3749.0	82%	84%	83%	99%	101%
Fontenelle	146.2	163.9	165.4	344.8	42%	48%	48%	88%	99%
Glendo	247.3	294.5	281.5	506.4	49%	58%	56%	88%	105%
Grassy Lake	11.1	12.8	12.7	15.2	73%	84%	84%	87%	101%
Guernsey	8.2	14.9	13.9	45.6	18%	33%	30%	59%	108%
High Savery Res	11.4	13.89	11.6	22.433	51%	62%	52%	98%	120%
Jackson Lake	649.6	598.1	620.4	847.0	77%	71%	73%	105%	96%
Keyhole	112.611	128.829	117.2	193.8	58%	66%	60%	96%	110%
Meeks Cabin Res	7.6	17.2	9.8	32.5	23%	53%	30%	78%	175%
Pactola	46.504	51.8	52.4	55.0	85%	94%	95%	89%	99%
Pathfinder	604.8	705.9	565.6	1016.5	59%	69%	56%	107%	125%
Pilot Butte	25.8	24.7	25.2	31.6	81%	78%	80%	102%	98%
Seminoe	492.8	638.3	595.8	1016.7	48%	63%	59%	83%	107%
Stateline Res	4.1	8.0	5.7	12.0	34%	67%	48%	72%	140%
Tongue River Res	44.9	47.9	43.0	79.1	57%	61%	54%	104%	111%
Viva Naughton Res	30.4	34.7	30.2	42.4	72%	82%	71%	101%	115%
Wheatland #2	24.3	51.0	46.0	98.9	25%	52%	47%	53%	111%
Woodruff Creek	2.0	2.1	2.2	4.0	51%	53%	55%	92%	95%
Woodruff Narrows Res	31.4	48.8	36.0	57.3	55%	85%	63%	87%	136%


Snow Water Equivalent
Wyoming Basins
Percent NRCS 1991-2020 Median
February 1st, 2025
Yellowstone in WY
71
Madison Headwaters in WY
76
Shoshone
67
Tongue
95
Belle Fourche
116
Bighorn
93
Powder
81
Snake
79
Wind
79
Cheyenne
95
Upper Green
80
Sweetwater
83
Lower North Platte
85
Upper North Platte
91
Laramie
88
Upper Bear
84
Lower Green
96
Little Snake
85
South Platte
64
Source of the Missouri-Red Rock
Idaho Falls
Rock Springs
Casper
Fort Collins
Salt Lake City
Percent NRCS 1991-2020 Median
≥ 150%
130% to 149%
110% to 129%
90% to 109%
70% to 89%
50% to 69%
< 50%
No basin value
Watershed Boundaries
State Watersheds
Political Boundaries
State Boundaries
USDA
Natural Resources Conservation Service
United States Department of Agriculture
N
Miles
0 10 20 40 60 80 100
Created 2-06-2025

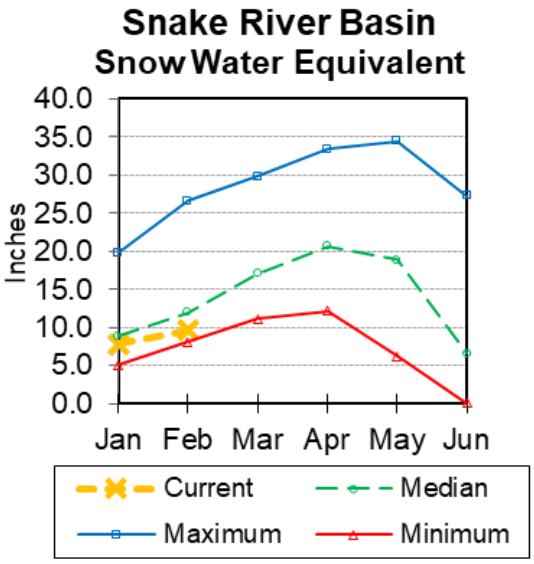
Snake River Basin

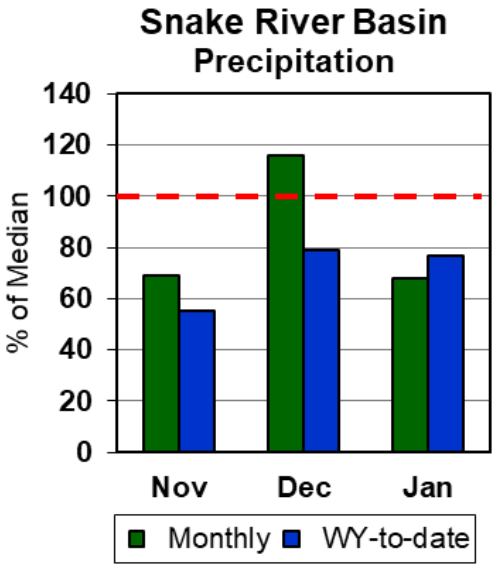


Snow

The overall Snake River basin SWE (portion above Palisades dam) is 80% of median. SWE in the Snake River Basin above Jackson Lake is 70% of median. Pacific Creek basin SWE is 75% of median. Buffalo Fork SWE is 77% of median. Gros Ventre River basin SWE is 81% of median. SWE in the Hoback River drainage is 80% of median. SWE in the Greys River drainage is 91% of median. Salt River Basin SWE is 97% 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 68% of median. Water-year-to-date precipitation is 77% of median.

Reservoirs

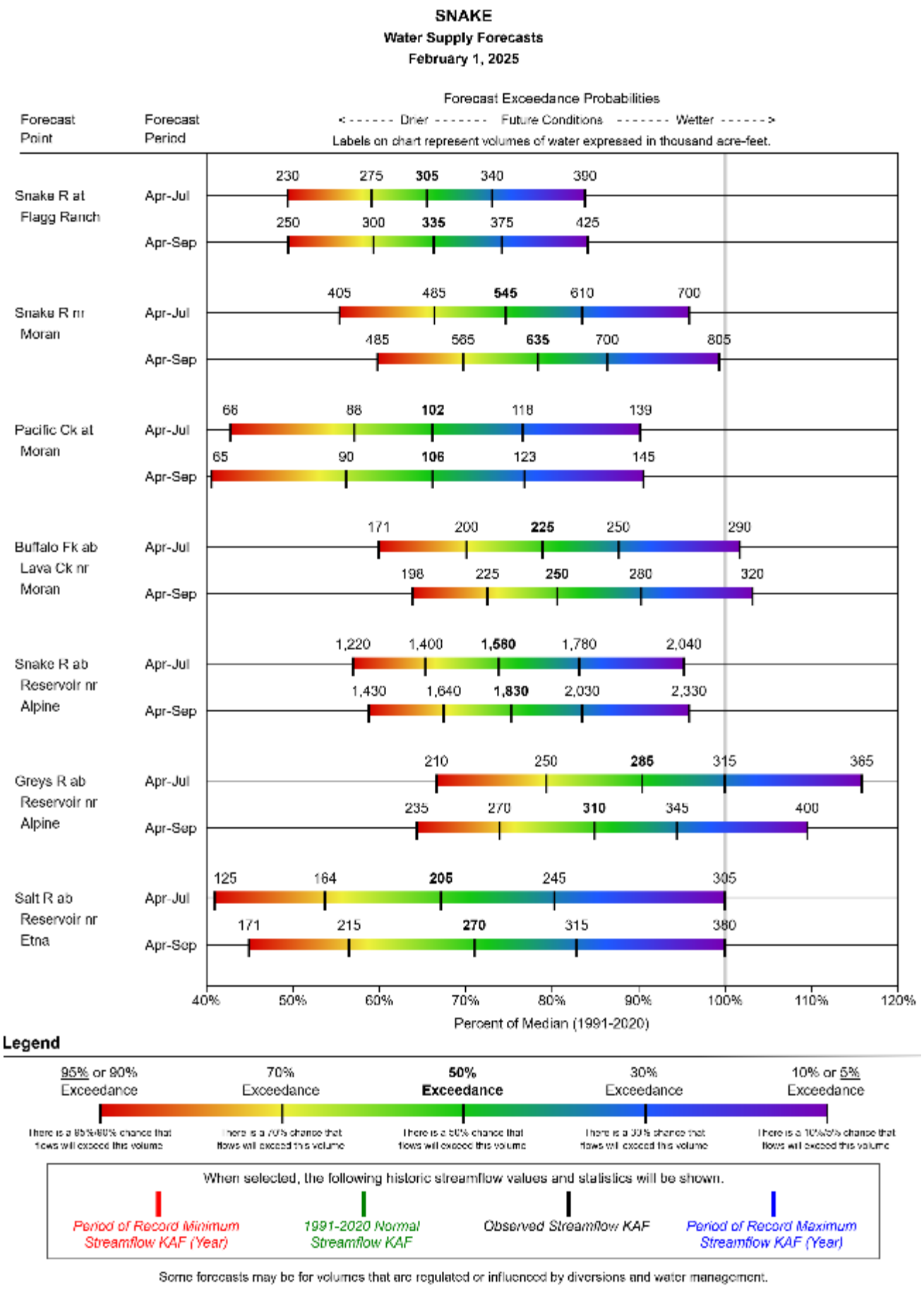
Current reservoir storage is 104% of median for the two storage reservoirs in the basin.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Grassy Lake	11.1	12.8	12.7	15.2	73%	84%	84%	87%	101%
Jackson Lake	649.6	598.1	620.4	847.0	77%	71%	73%	105%	96%
Basin Index					77%	71%	73%	104%	96%
# of reservoirs					2	2	2	2	2

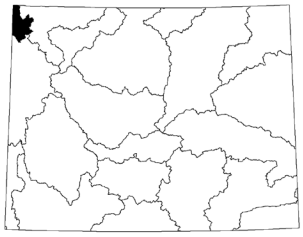
Streamflow

The 50% exceedance forecasts for April through September are below median for this basin. The Snake near Moran yield should be 78% of median. Snake River above reservoir near Alpine will yield about 75%. Pacific Creek near Moran yield will be around 66%. Buffalo Fork above Lava near Moran will be around 81% of median. Greys River above reservoir near Alpine should yield about 85%. Salt River near Etna yield will be about 71%.

See the following graph for further information.

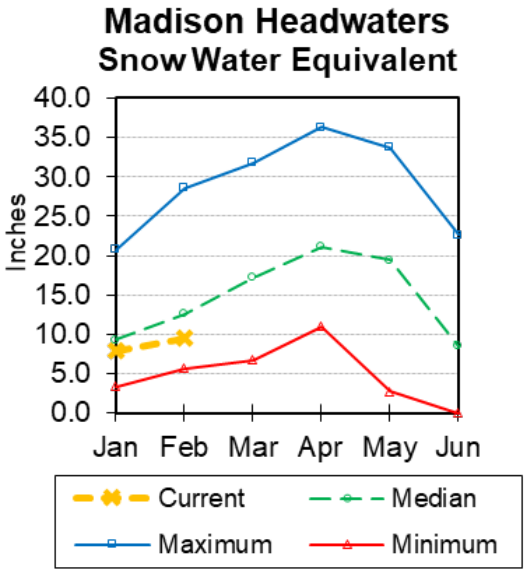

SNAKE
Water Supply Forecasts
February 1, 2025
Forecast Exceedance Probabilities
Forecast Point
Forecast Period
< ------- Drier ------- Future Conditions ------- Wetter ------- >
Labels on chart represent volumes of water expressed in thousand acre-feet.
Snake R at Flagg Ranch
Apr-Jul 230 275 305 340 390
Apr-Sep 250 300 335 375 425
Snake R nr Moran
Apr-Jul 405 485 545 610 700
Apr-Sep 485 565 635 700 805
Pacific Ck at Moran
Apr-Jul 66 88 102 118 139
Apr-Sep 65 90 106 123 145
Buffalo Fk ab Lava Ck nr Moran
Apr-Jul 171 200 225 250 290
Apr-Sep 198 225 250 280 320
Snake R ab Reservoir nr Alpine
Apr-Jul 1,220 1,400 1,580 1,780 2,040
Apr-Sep 1,430 1,640 1,830 2,030 2,330
Greys R ab Reservoir nr Alpine
Apr-Jul 210 250 285 315 365
Apr-Sep 235 270 310 345 400
Salt R ab Reservoir nr Etna
Apr-Jul 125 164 205 245 305
Apr-Sep 171 215 270 315 380
40% 50% 60% 70% 80% 90% 100% 110% 120%
Percent of Median (1991-2020)
Legend
95% or 90% Exceedance
70% Exceedance
50% Exceedance
30% Exceedance
10% or 5% Exceedance
There is a 95%/90% chance that flows will exceed this volume
There is a 70% chance that flows will exceed this volume
There is a 50% chance that flows will exceed this volume
There is a 30% chance that flows will exceed this volume
There is a 10%/5% chance that flows will exceed this volume
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.

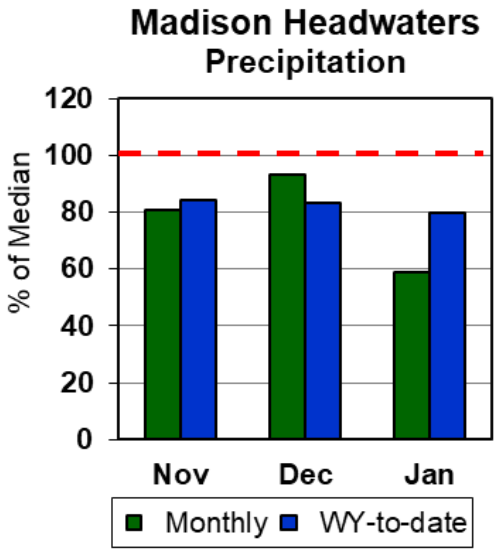
Madison Headwaters in Wyoming



Snow

SWE is 75% 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 59% of median. Water-year-to-date precipitation is at 80% of median.

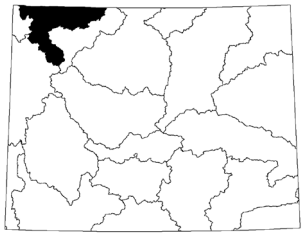
Reservoirs

No reservoir data.

Streamflow

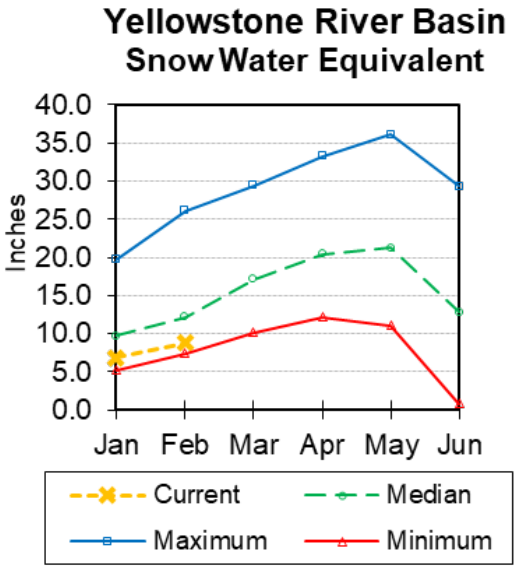
There are no streamflow forecast points for the basin.

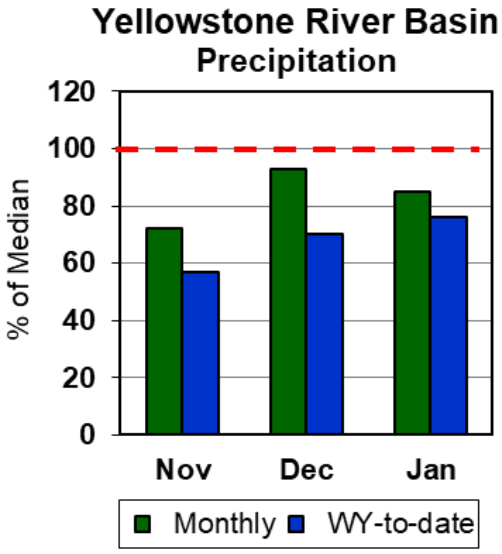
Yellowstone River Basin



Snow

SWE in the Yellowstone River Basin is 72% of median. SWE in the Clarks Fork Drainage of the Yellowstone River basin in Wyoming is 72% 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 85% of median. Water-year-to-date precipitation is 76% of median.

Reservoirs

No reservoir data.

Streamflow

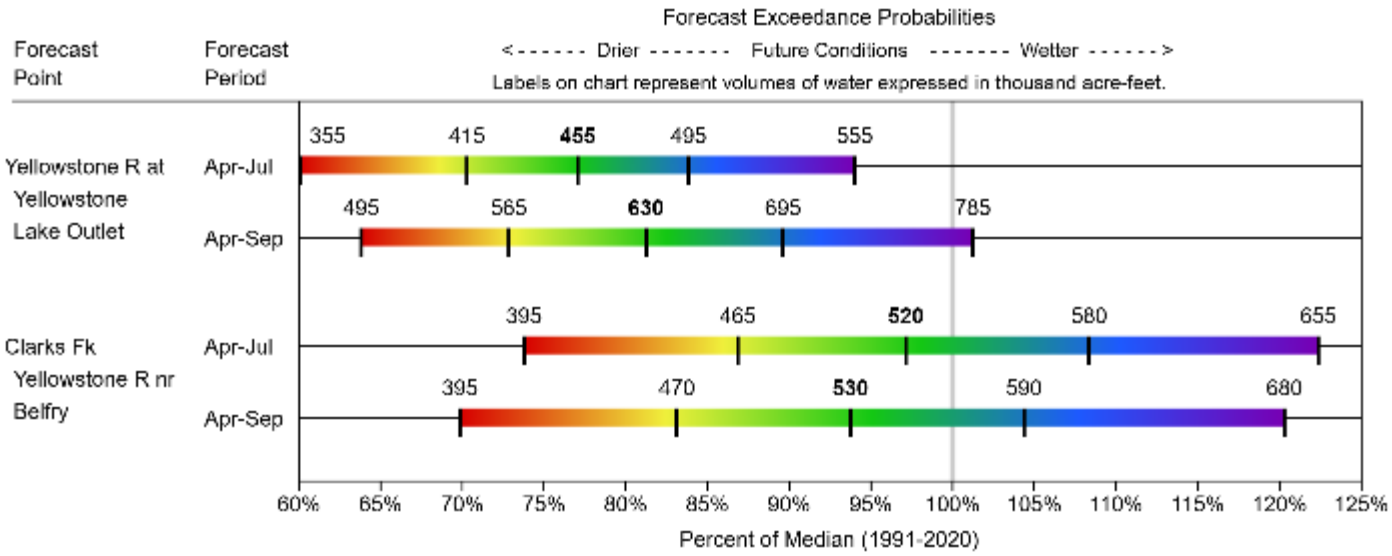
The 50% exceedance forecasts for April through September are below normal for the basin. Yellowstone at Lake Outlet will yield around 81% of median. Clarks Fork of the Yellowstone near Belfry will yield around 94%.

See the following graph for detailed information.

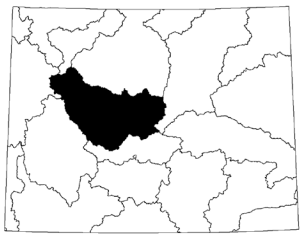
YELLOWSTONE IN WY

Water Supply Forecasts

February 1, 2025

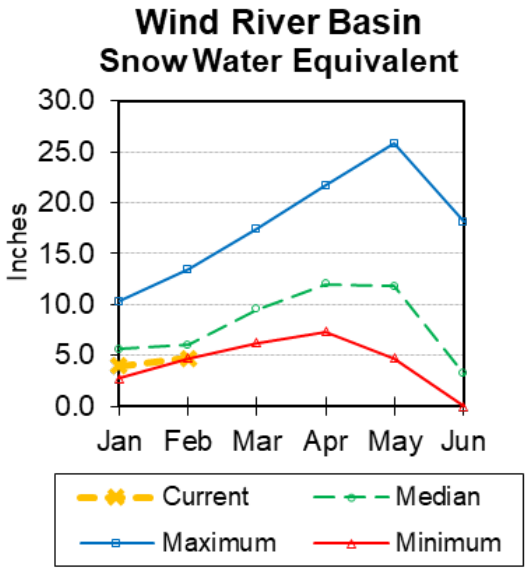


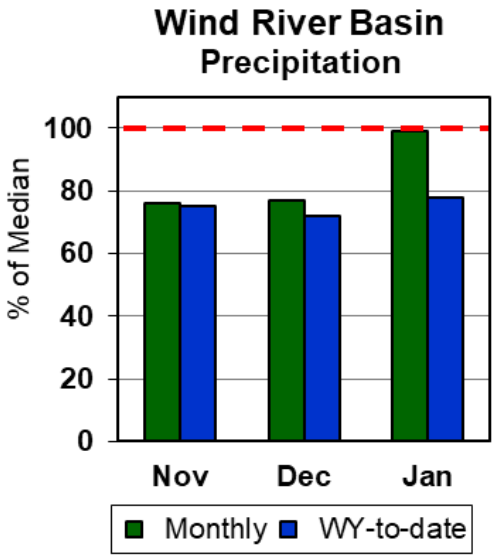
Wind River Basin



Snow

Wind River basin SWE (above Boysen Reservoir) is 79% of median. SWE in the Wind River above Dubois is 81% of median. Little Wind SWE is 75% of median, and Popo Agie drainage SWE is 83% 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 99% of median. Water year-to-date precipitation is 78% of median.

Reservoirs

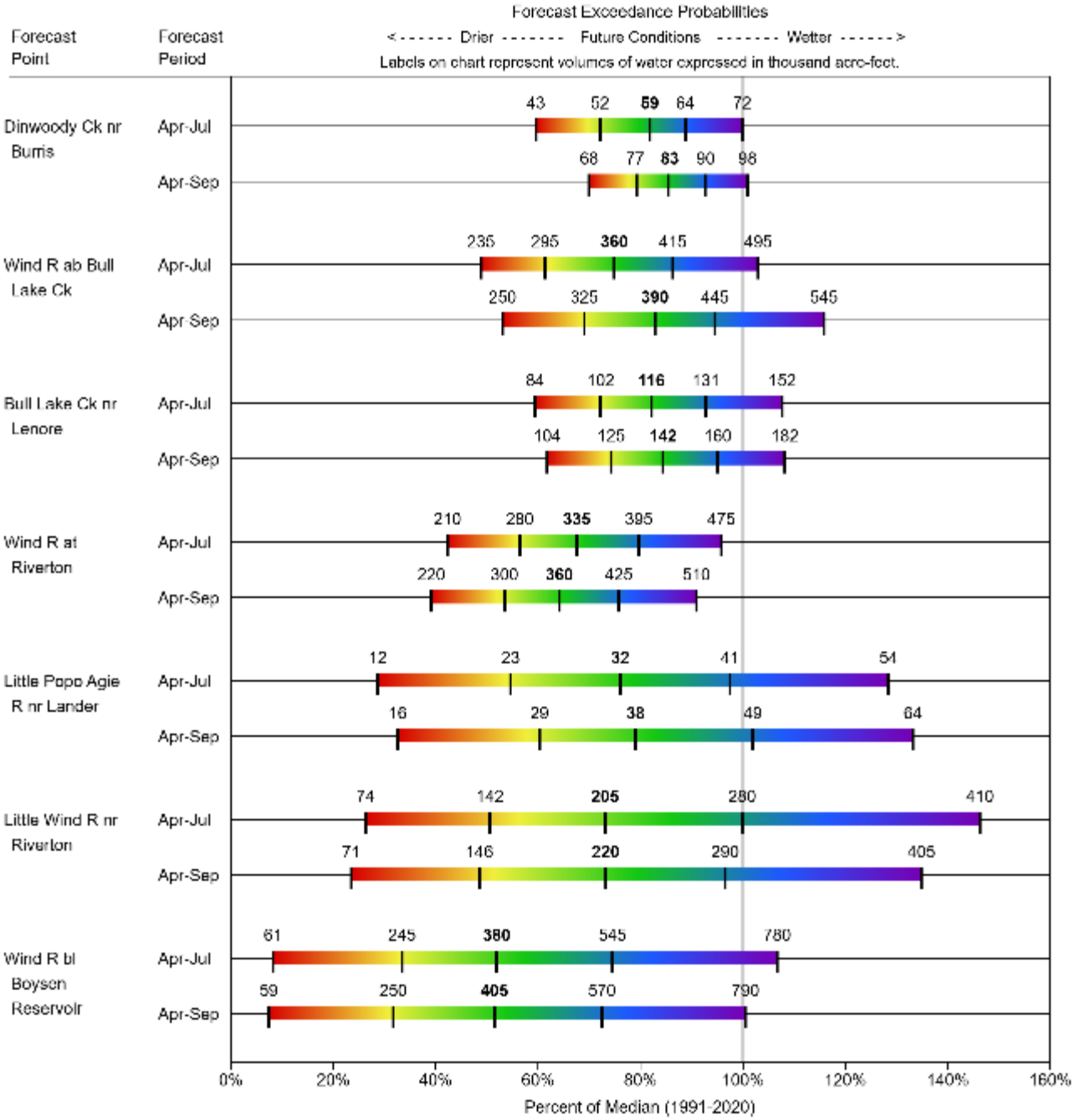
Current storage is 82% of median in the basin.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Pilot Butte	25.8	24.7	25.2	31.6	81%	78%	80%	102%	98%
Boysen	479.9	590.1	551.9	596.0	81%	99%	93%	87%	107%
Bull Lake	35.0	71.2	80.9	151.8	23%	47%	53%	43%	88%
Basin Index					69%	88%	84%	82%	104%
# of reservoirs					3	3	3	3	3

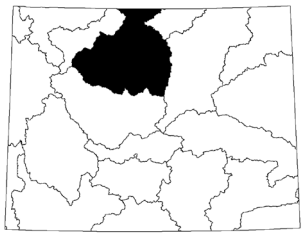
Streamflow

The 50% exceedance forecasts for the April through September runoff period should yield below normal for the Wind River. The Wind River above Bull Lake Creek will yield about 83% of median. Little Popo Agie River near Lander should yield around 79% of median. Little Wind River near Riverton will yield around 73% of median. Boysen Reservoir inflow will yield about 52% of median. *See the following graph for detailed runoff volumes.*

WIND
Water Supply Forecasts
February 1, 2025

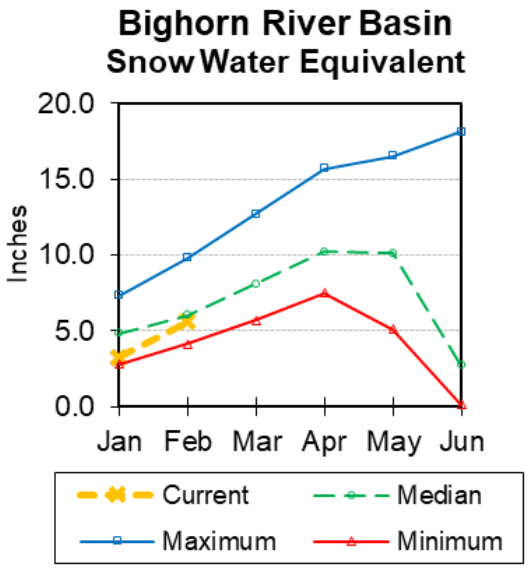


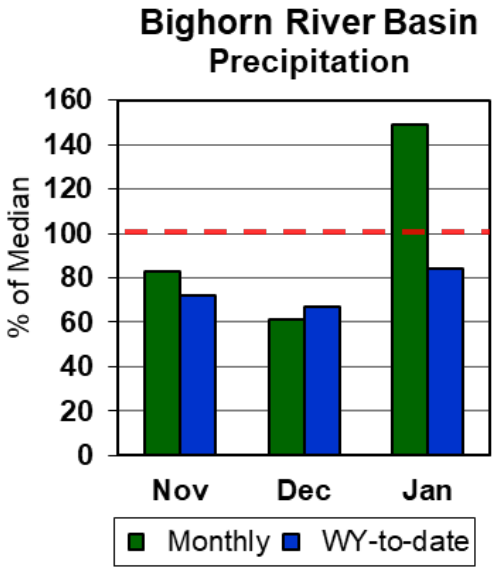
Bighorn River Basin



Snow

The Bighorn River Basin SWE (above Bighorn Reservoir) is 93% of median. The Greybull River SWE is at 77% of median. Shell Creek SWE is at 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 149% of median. Year-to-date precipitation is 84% of median.

Reservoirs

Current reservoir storage in the basin is 96% 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	818.4	852.6	854.2	1356.0	60%	63%	63%	96%	100%
Basin Index					60%	63%	63%	96%	100%
# of reservoirs					1	1	1	1	1

Streamflow

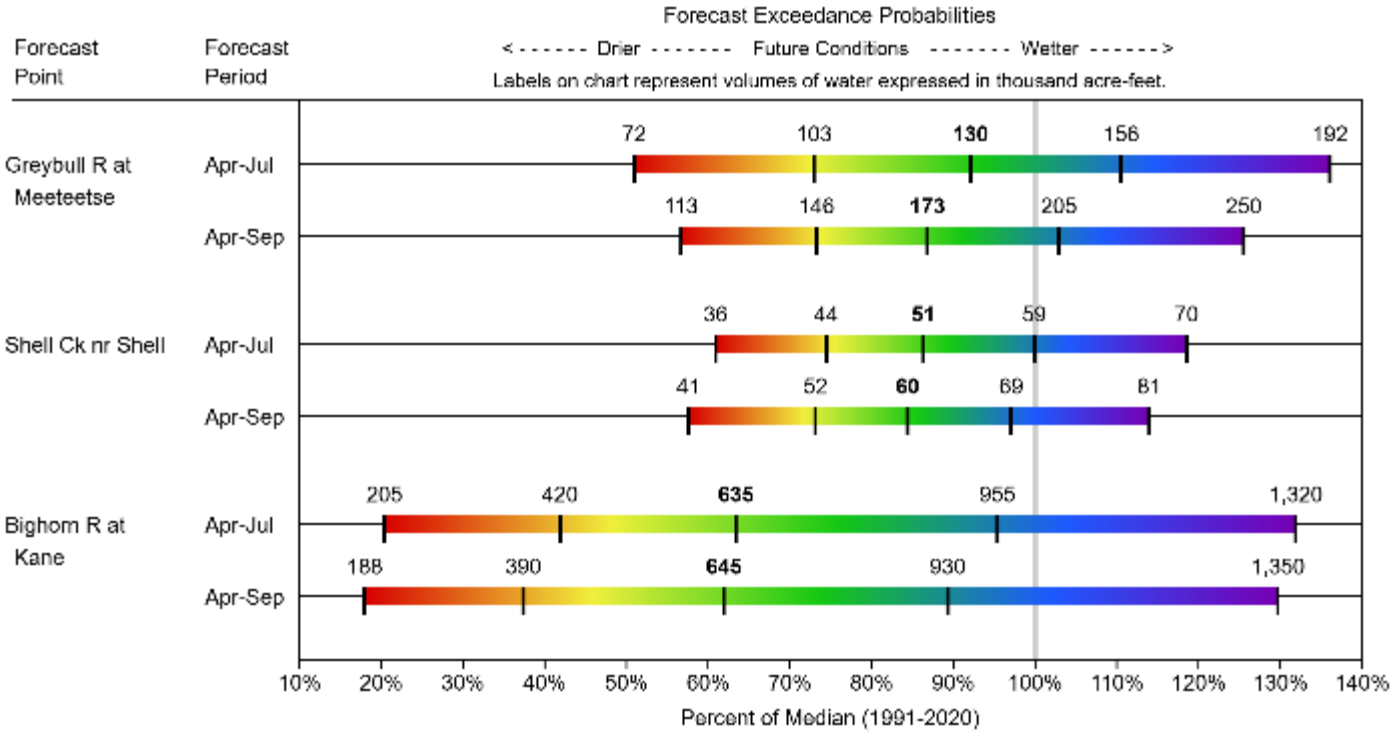
The 50% exceedance forecasts for the April through September runoffs are below normal. The Greybull River near Meeteetse should yield 87% of median. Shell Creek near Shell should yield around 85% of median. The Bighorn River at Kane should yield around 62% of median.

See the following graph for detailed runoff volumes.

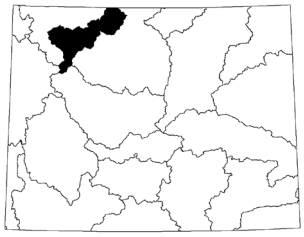
BIGHORN

Water Supply Forecasts

February 1, 2025

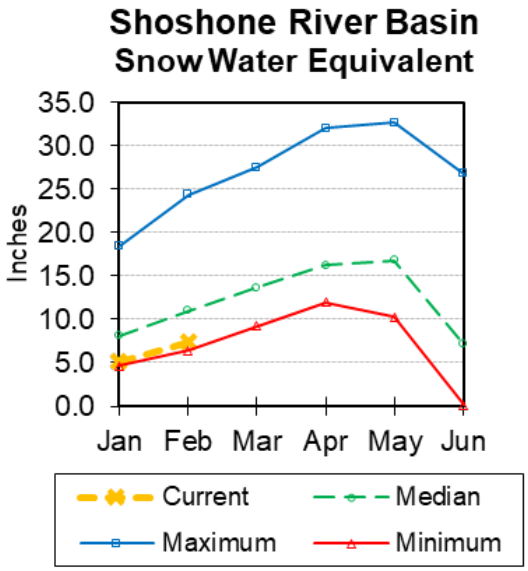


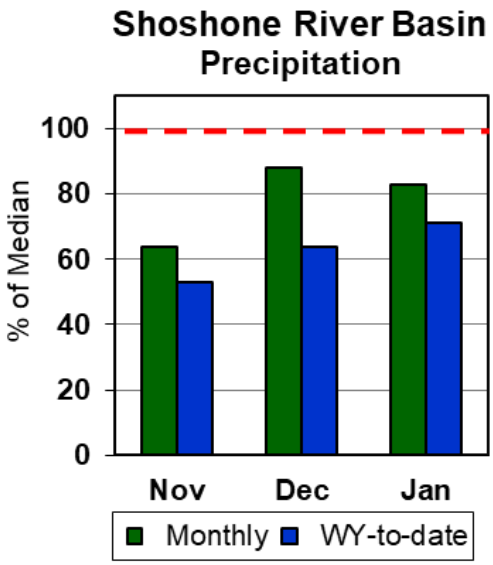
Shoshone River Basin



Snow

Snow Water Equivalent (SWE) is 67% 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 83% of median. The basin year-to-date precipitation is now 71% of median.

Reservoirs

Current storage in Buffalo Bill Reservoir is about 83% 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	372.3	476.9	446.7	646.6	58%	74%	69%	83%	107%
Basin Index					58%	74%	69%	83%	107%
# of reservoirs					1	1	1	1	1

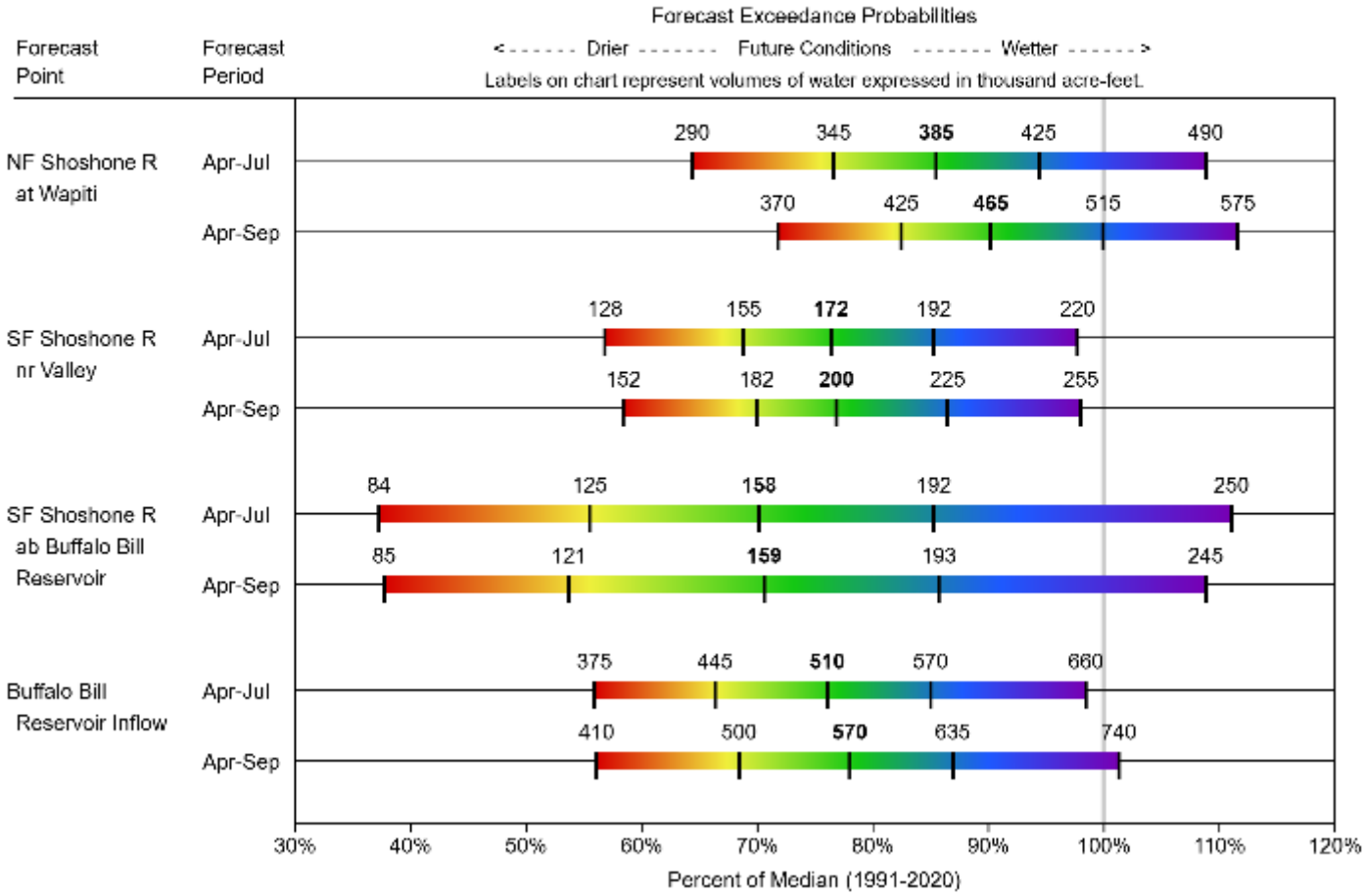
Streamflow

The 50% exceedance forecasts for the April through September period are below normal for the basin. The North Fork Shoshone River at Wapiti should yield 90% of median. The South Fork of the Shoshone River near Valley should yield 77% of median. The Buffalo Bill Reservoir inflow should yield 78% of median. *See the following graph for detailed runoff volumes.*

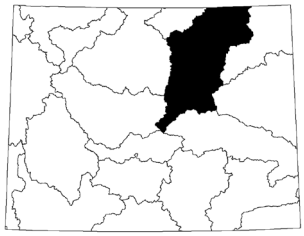
SHOSHONE

Water Supply Forecasts

February 1, 2025

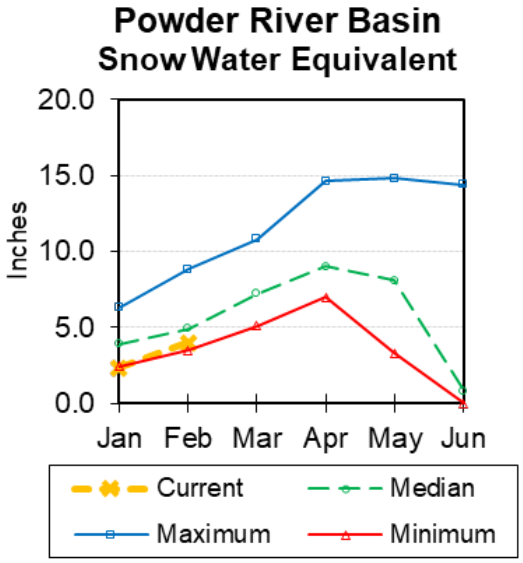


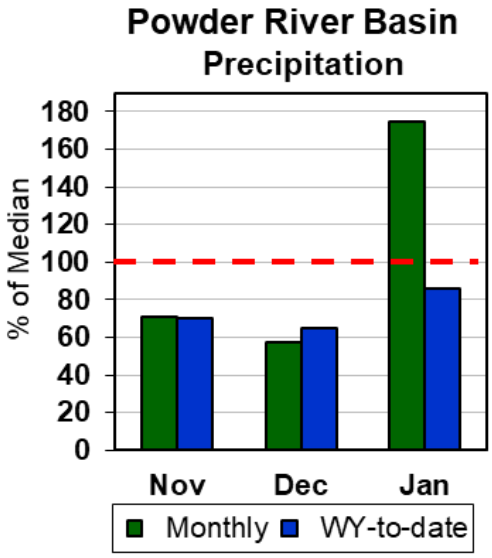
Powder River Basin



Snow

Powder River Basin SWE is at 81% of median. SWE in the Clear Creek drainage is 64% of median. *See appendix at the end of this report for a detailed listing of snow course information.*





Precipitation

Last month's precipitation was 175% of median in the basin. Year-to-date precipitation is 86% of median.

Reservoirs

No reservoir data for this basin.

Streamflow

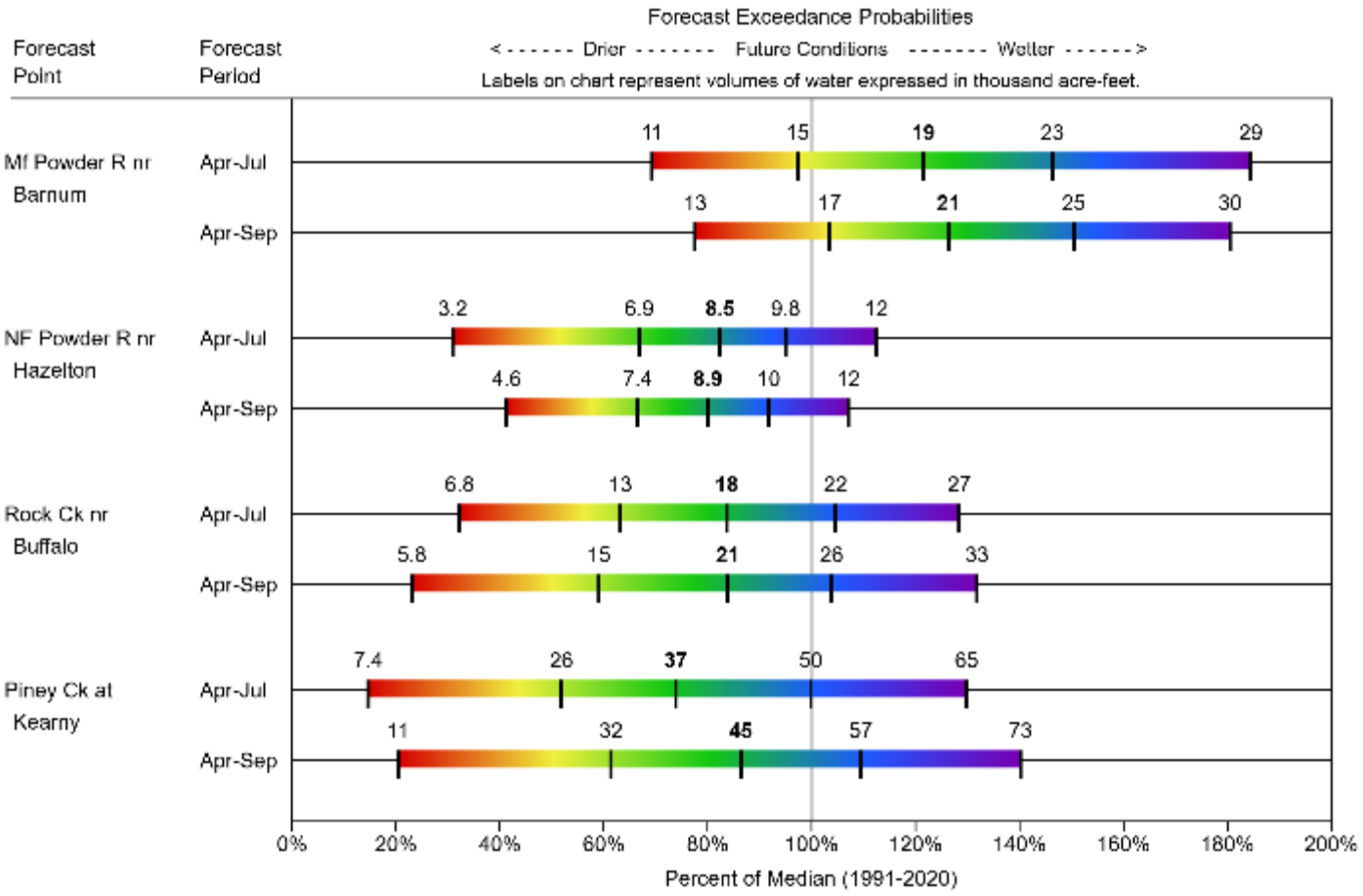
The 50% exceedance forecasts for the April through September period are about normal for the basin. The Middle Fork of the Powder River near Barnum should yield around 127% of median. The North Fork of the Powder River near Hazelton to yield around 80% of median.

See the following graph for detailed runoff volumes.

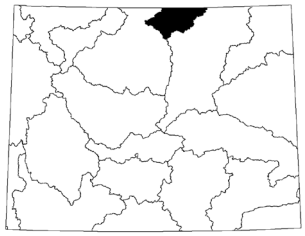
POWDER

Water Supply Forecasts

February 1, 2025

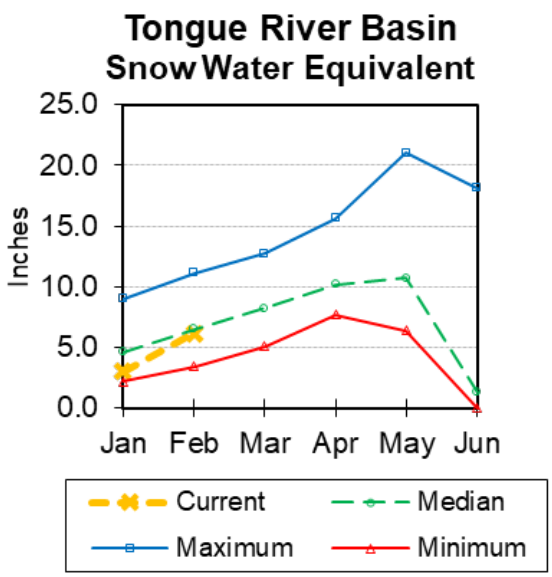


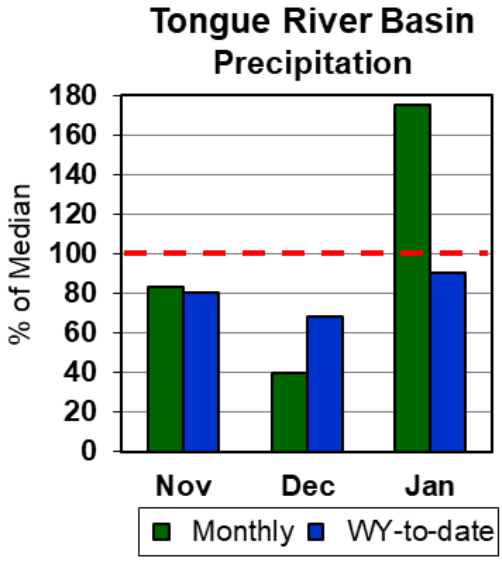
Tongue River Basin



Snow

Upper Tongue River drainage SWE is at 95% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*





Precipitation

Last month's precipitation was 175% of median. Year-to-date precipitation is 90% of median in the basin.

Reservoirs

The storage for the reservoir in this basin is at 104% 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	44.9	47.9	43.0	79.1	57%	61%	54%	104%	111%
Basin Index					57%	62%	54%	104%	111%
# of reservoirs					1	1	1	1	1

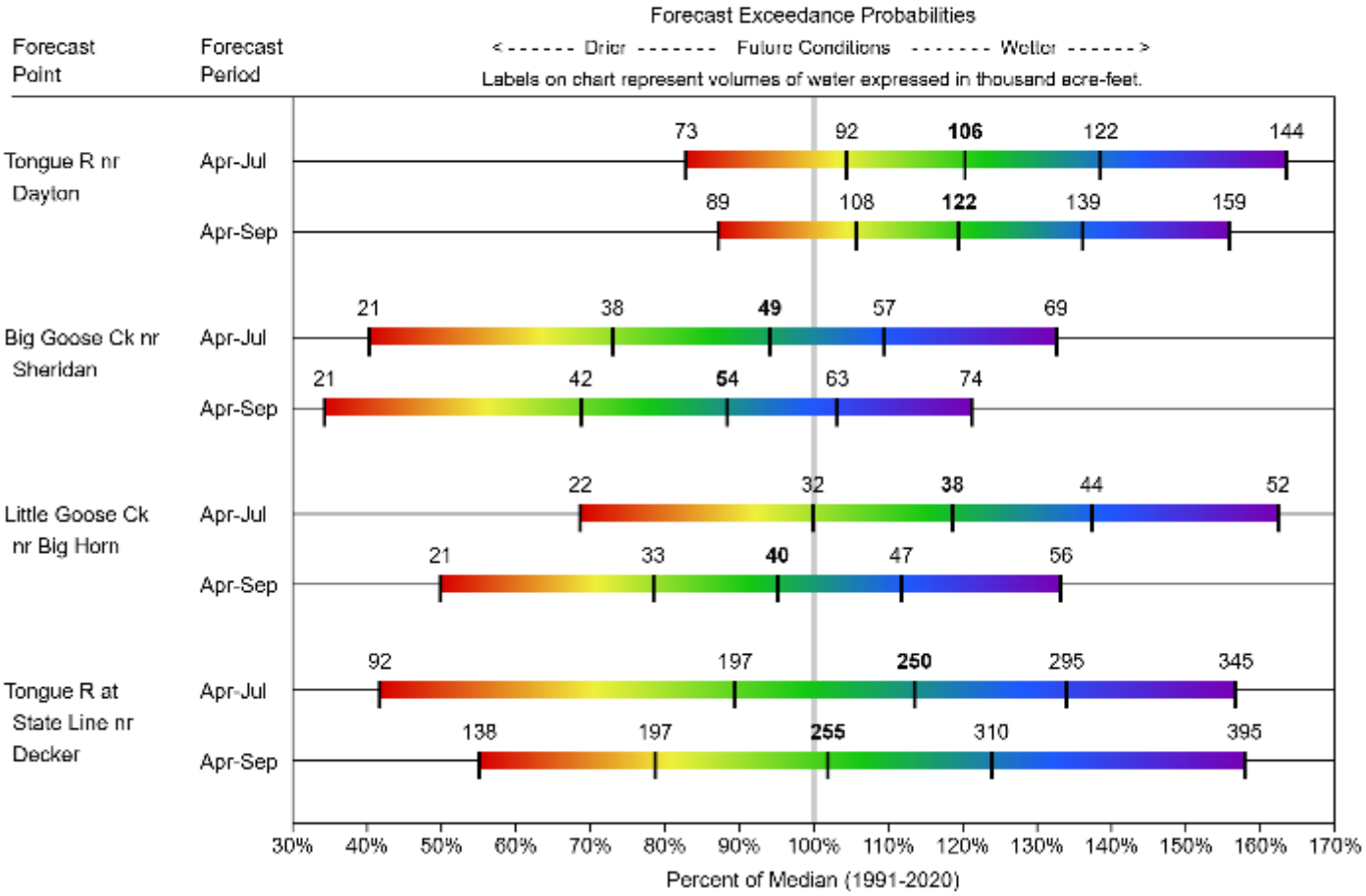
Streamflow

The 50% exceedance forecasts for the April through September period are about normal for the basin. The yield for Tongue River near Dayton is forecasted to be 120% of median. Big Goose Creek near Sheridan should yield around 89%. Little Goose Creek near Bighorn should yield 95% of median. The Tongue River Reservoir Inflow should yield 102% of median. *See below for detailed runoff volumes.*

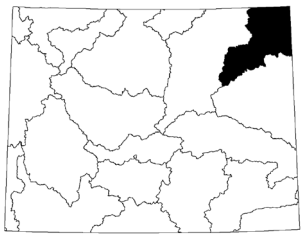
TONGUE

Water Supply Forecasts

February 1, 2025

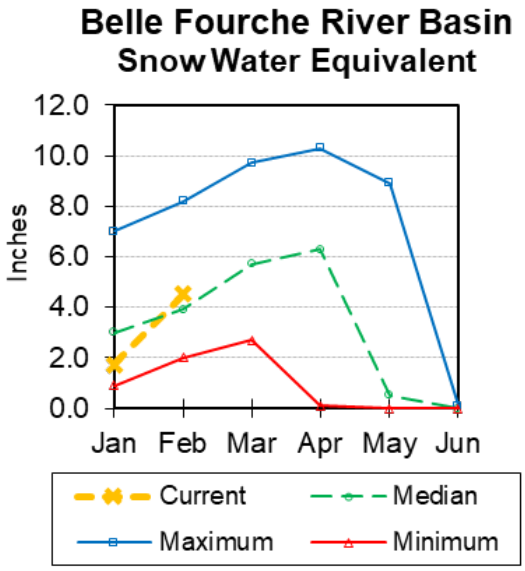


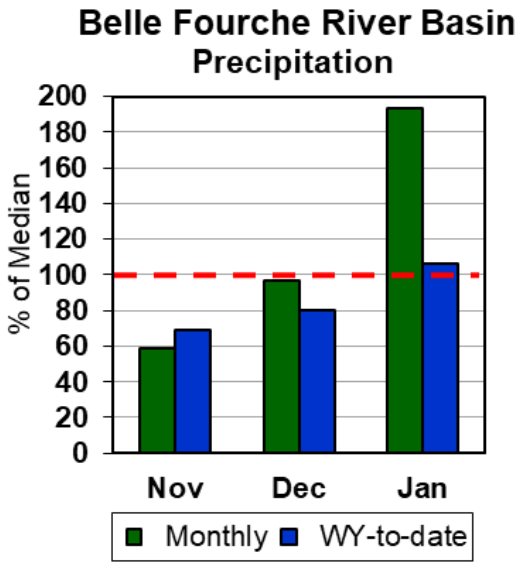
Belle Fourche River Basin



Snow

Currently the Belle Fourche River Basin SWE is at 116% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*





Precipitation

Precipitation for last month was 193% of median in the Belle Fourche basin. Year-to-date precipitation is 106% of median.

Reservoirs

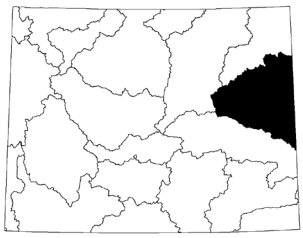
Combined storage for the 2 reservoirs in the basin is at 90% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Belle Fourche	112.5	135.6	132.1	178.4	63%	76%	74%	85%	103%
Keyhole	112.6	128.8	117.2	193.8	58%	66%	60%	96%	110%
Basin Index					60%	71%	67%	90%	106%
# of reservoirs					2	2	2	2	2

Streamflow

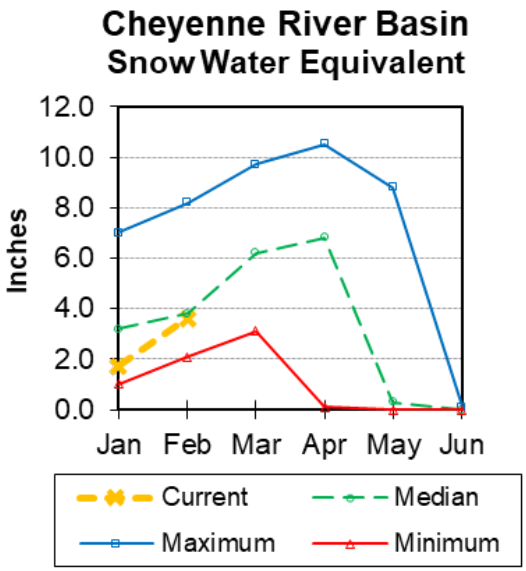
There are no streamflow forecast points for the basin.

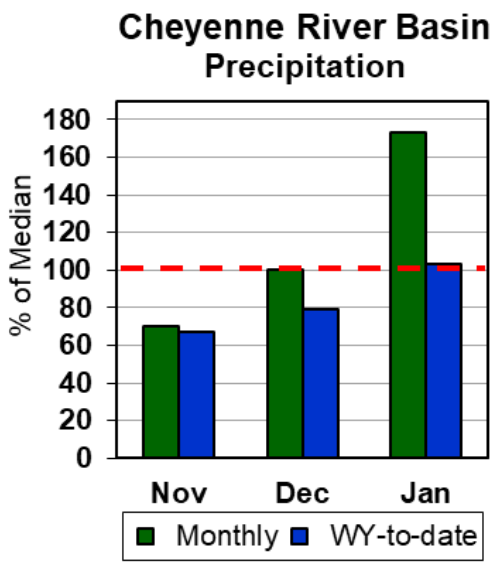
Cheyenne River Basin



Snow

Currently SWE for sites in the Cheyenne River Basin are at 95% of median. *See Appendix at the end of this report for a detailed listing.*





Precipitation

Precipitation for last month was 173% of median. Year-to-date precipitation is 103% of median.

Reservoirs

Combined storage for the 3 reservoirs in the basin is at 89% 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	14.6	14.8	15.2	97%	96%	97%	99%	99%
Pactola	46.5	51.8	52.4	55.0	85%	94%	95%	89%	99%
Angostura	80.9	99.1	93.3	122.1	66%	81%	76%	87%	106%
Basin Index					74%	86%	83%	89%	103%
# of reservoirs					3	3	3	3	3

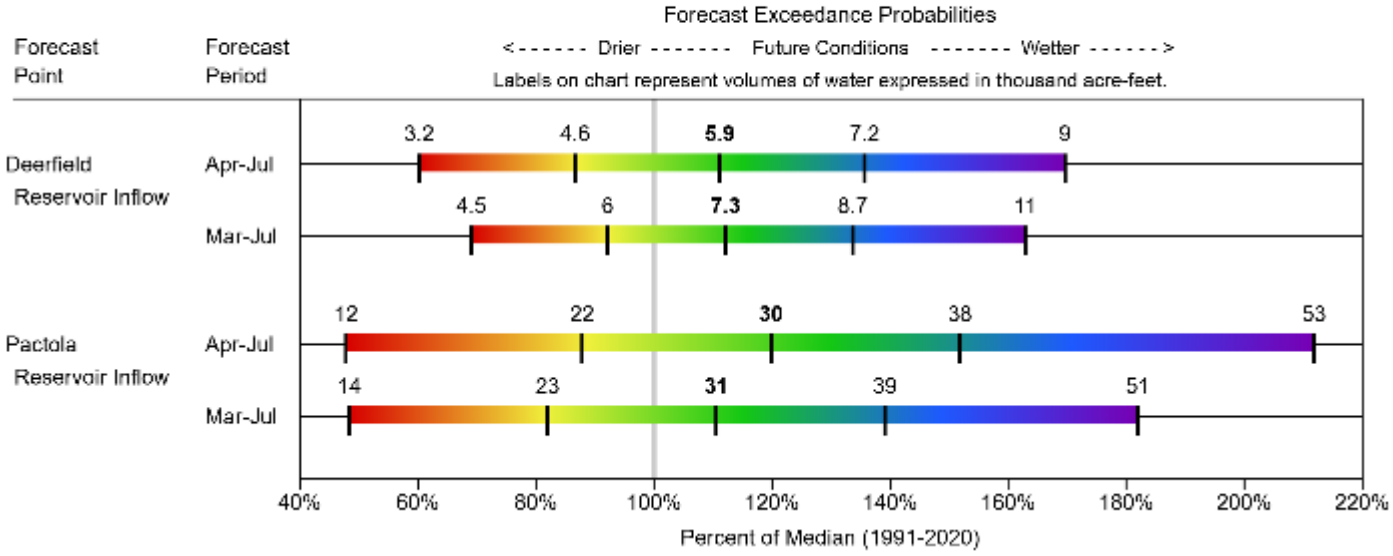
Streamflow

The 50% exceedance forecasts for the April through July period are above normal. The Deerfield Reservoir Inflow yield is forecasted at 111% of median. Pactola Reservoir Inflow yield should be 120% of median. *See the following graph for detailed runoff volumes.*

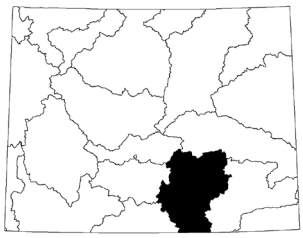
CHEYENNE

Water Supply Forecasts

February 1, 2025



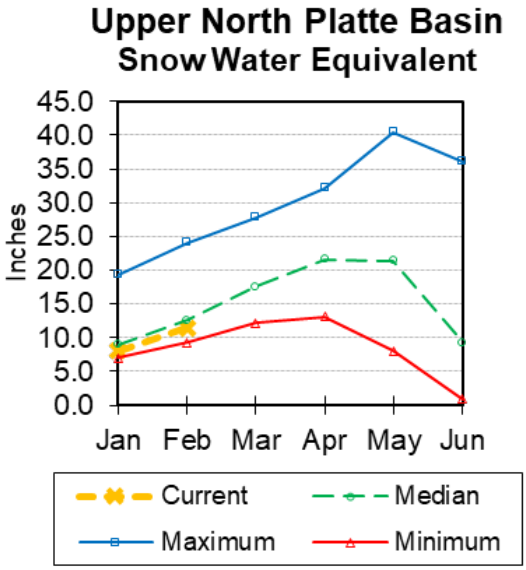
Upper North Platte River Basin

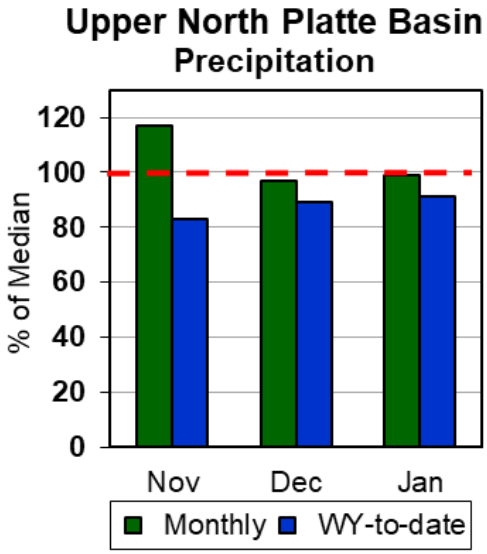


Snow

The Upper North Platte River basin SWE is 91% of median. North Platte above Northgate SWE is 91% of median. Encampment River SWE is 83% of median. Medicine Bow and Rock Creek SWE are 94% of median.

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





Precipitation

Last month's precipitation was 99% of median. Total water-year-to-date precipitation is 91% of median.

Reservoirs

Combined storage for reservoirs in the Upper North Platte River Basin is at 95% of median.

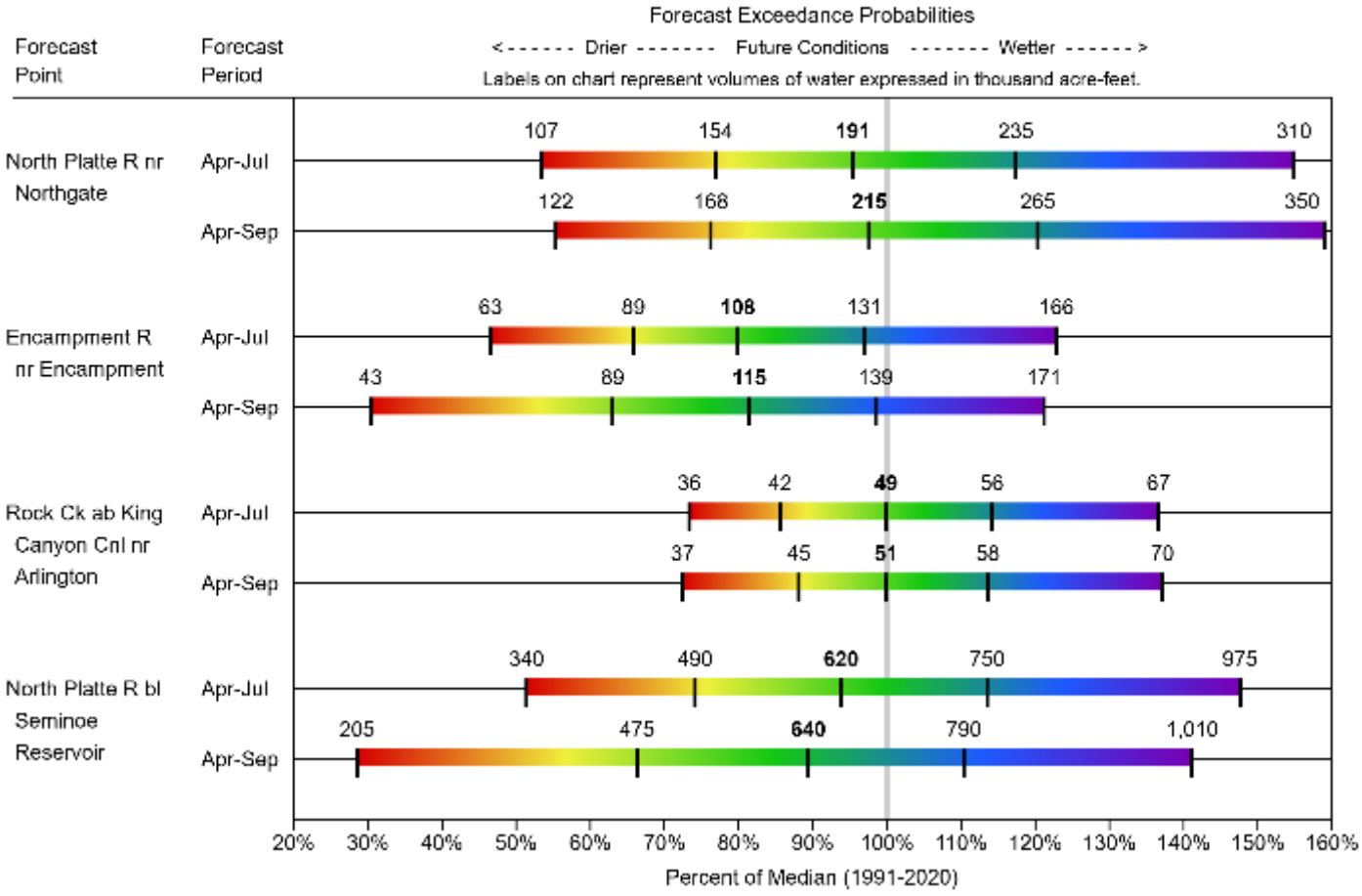
	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Seminoe	492.8	638.3	595.8	1016.7	48%	63%	59%	83%	107%
Pathfinder	604.8	705.9	565.6	1016.5	59%	69%	56%	107%	125%
Basin Index					54%	66%	57%	95%	116%
# of reservoirs					2	2	2	2	2

Streamflow

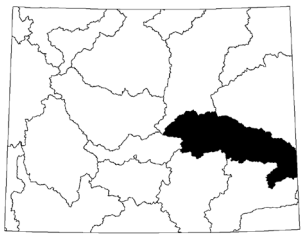
The 50% exceedance forecasts for the April through September period are about normal for the Upper North Platte River Basin. The yield for the North Platte River near Northgate will be around 98% of median. The Encampment River near Encampment yield will be about 82%. Rock Creek near Arlington yield will be around 100%. Seminoe Reservoir inflow should be about 90% of median.

See the following page for more detailed information on projected runoff.

UPPER NORTH PLATTE
Water Supply Forecasts
February 1, 2025

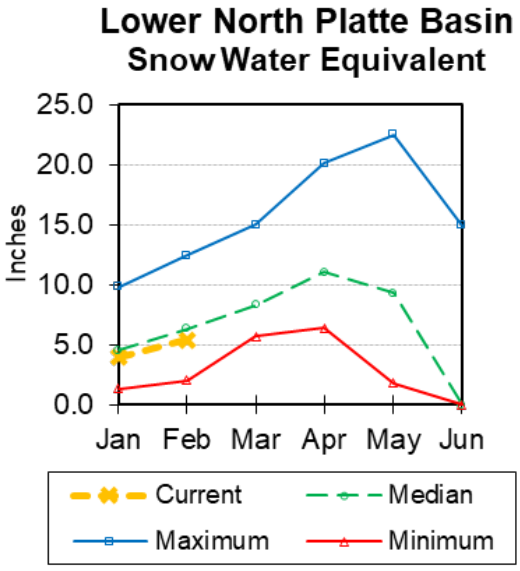


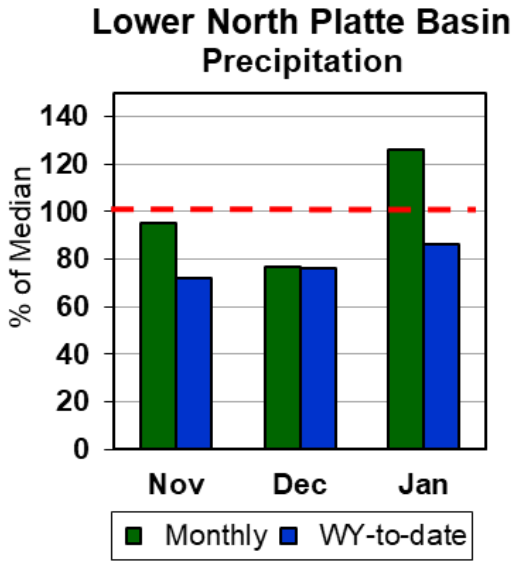
Lower North Platte River Basin



Snow

Currently, SWE in the Lower North Platte River Basin 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 126% of median. The water year-to-date precipitation for the basin is currently 86% of median.

Reservoirs

Combined storage for the 3 reservoirs in the basin is at 91% of median.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Guernsey	8.2	14.9	13.9	45.6	18%	33%	30%	59%	108%
Glendo	247.3	294.5	281.5	506.4	49%	58%	56%	88%	105%
Alcova	157.5	157.4	156.4	184.3	85%	85%	85%	101%	101%
Basin Index					56%	63%	61%	91%	103%
# of reservoirs					3	3	3	3	3

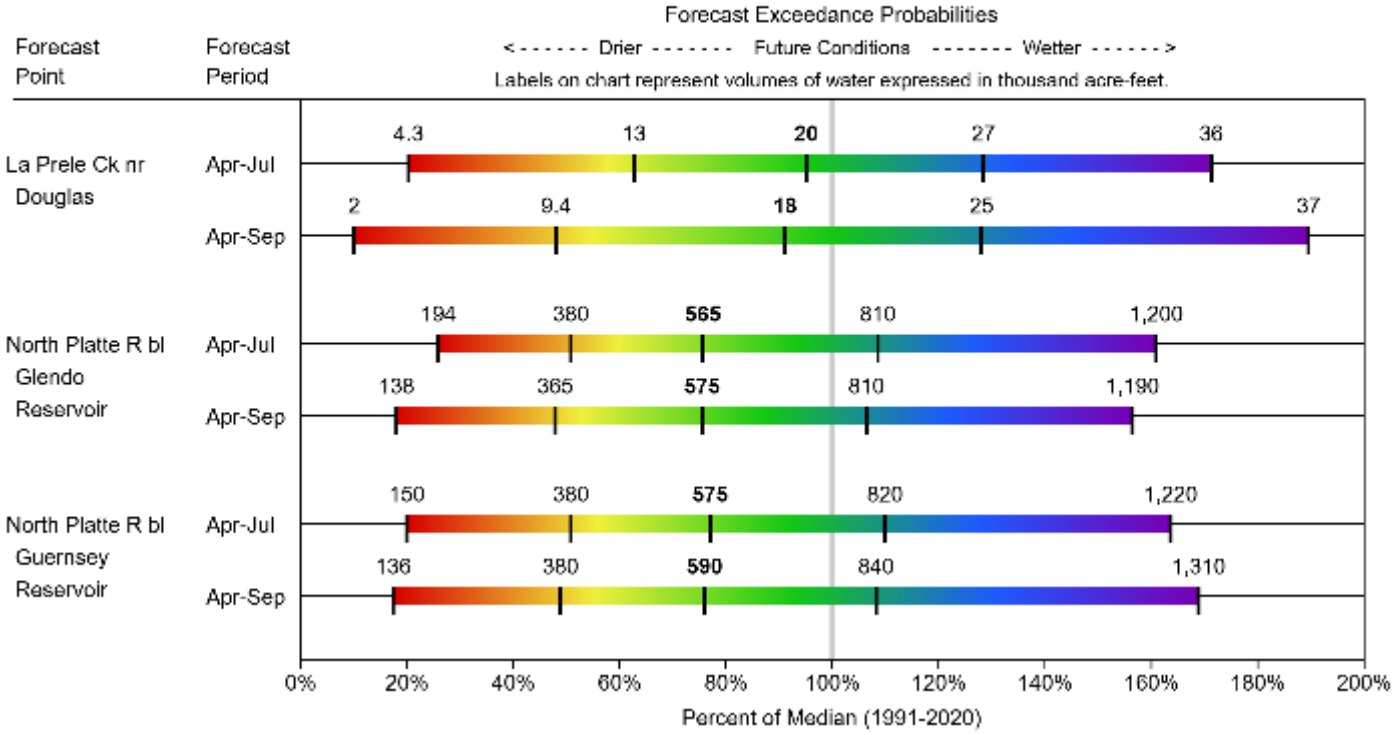
Streamflow

The 50% exceedance forecasts for the April through September period are below normal. LaPrele Creek near Douglas is forecasted to yield 91% of median. North Platte River below Guernsey Reservoir should yield around 76% of median. *See the following for more detailed information on projected runoff.*

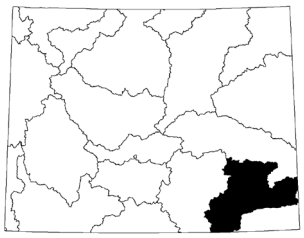
LOWER NORTH PLATTE

Water Supply Forecasts

February 1, 2025

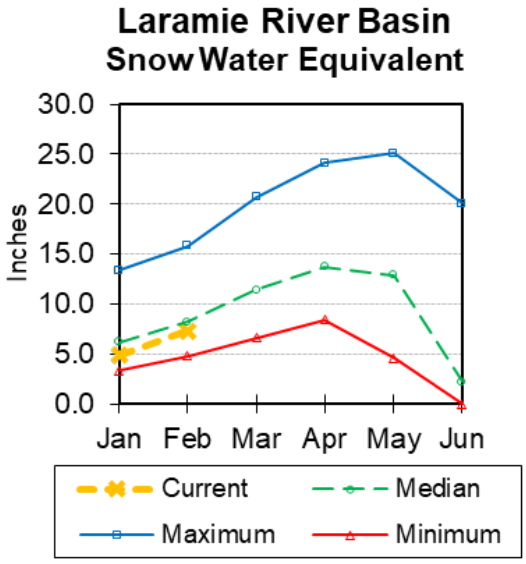


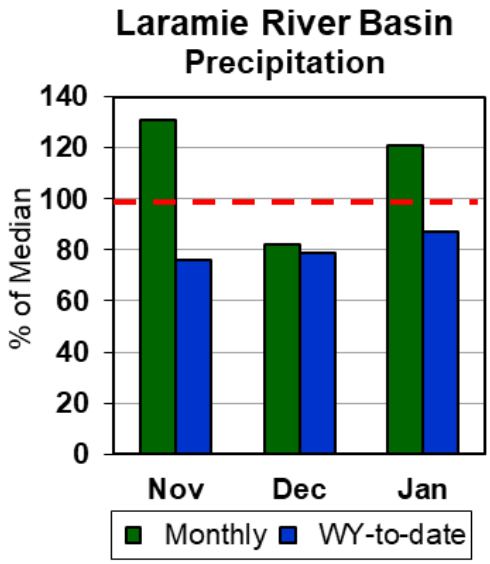
Laramie River Basin



Snow

SWE for the entire Laramie River Basin (above mouth entering North Platte) is 88% of median. SWE for the Laramie River above Laramie is 93% of median. SWE for the Little Laramie River is 88% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*





Precipitation

Last month's precipitation was 121% of median. The water year-to-date precipitation for the basin is currently 87% of median.

Reservoirs

The storage for the reservoir in this basin is at 53% 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	24.3	51.0	46.0	98.9	25%	52%	47%	53%	111%
Basin Index					25%	52%	47%	53%	111%
# of reservoirs					1	1	1	1	1

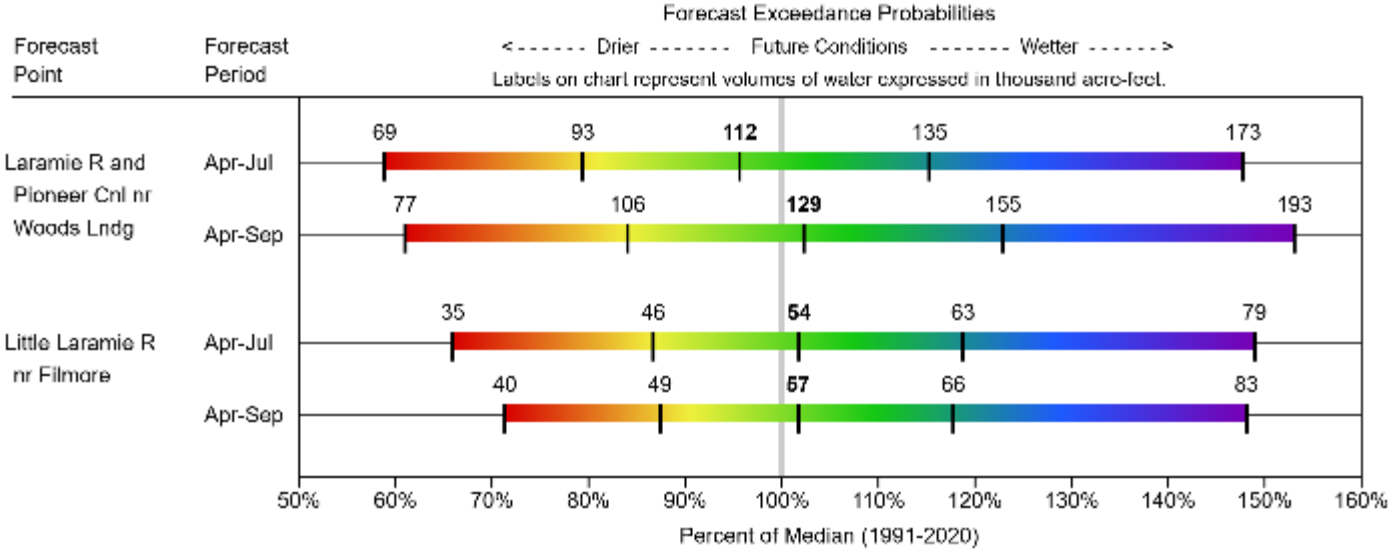
Streamflow

The 50% exceedance forecasts for the April through September period are about normal. Laramie River near Woods Landing is forecasted to yield around 102% of median. The Little Laramie near Filmore should produce about 102% of median. *See the following graph for detailed runoff volumes.*

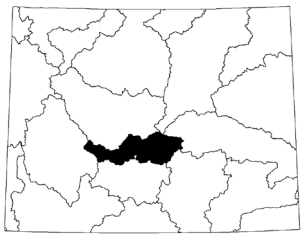
LARAMIE

Water Supply Forecasts

February 1, 2025

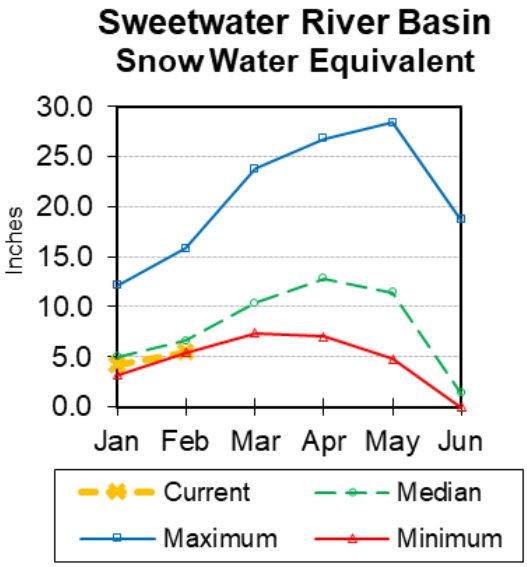


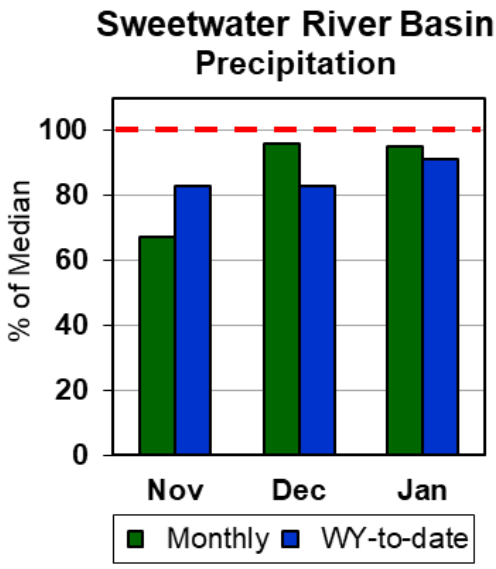
Sweetwater River Basin



Snow

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





Precipitation

Last month's precipitation was 95% of median. The water year-to-date precipitation for the basin is currently 86% of median.

Reservoirs

No reservoir data for the basin.

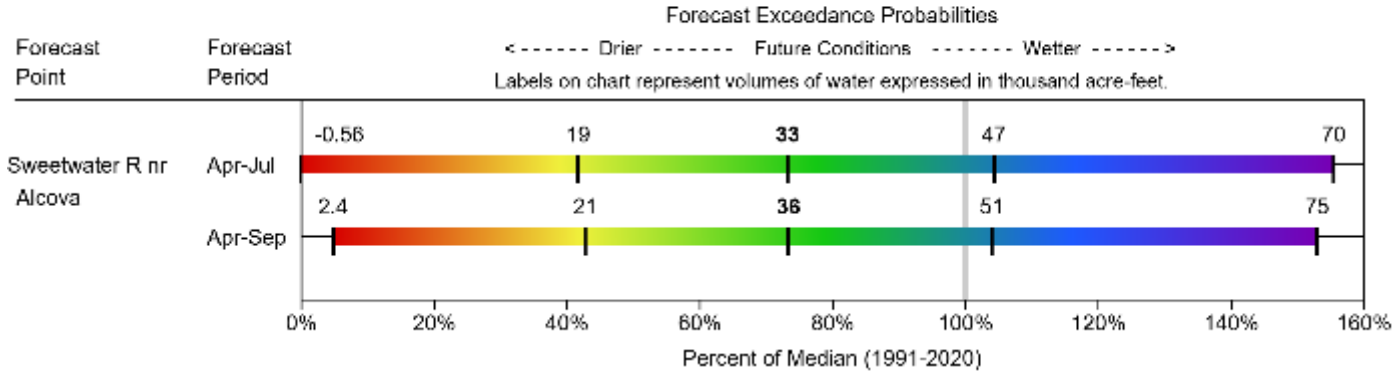
Streamflow

The 50% exceedance forecasts for the April through September period in the Sweetwater Basin is below normal. The Sweetwater River near Alcova will yield about 73% of median. *See below for detailed information on projected runoff.*

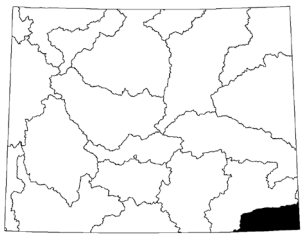
SWEETWATER

Water Supply Forecasts

February 1, 2025

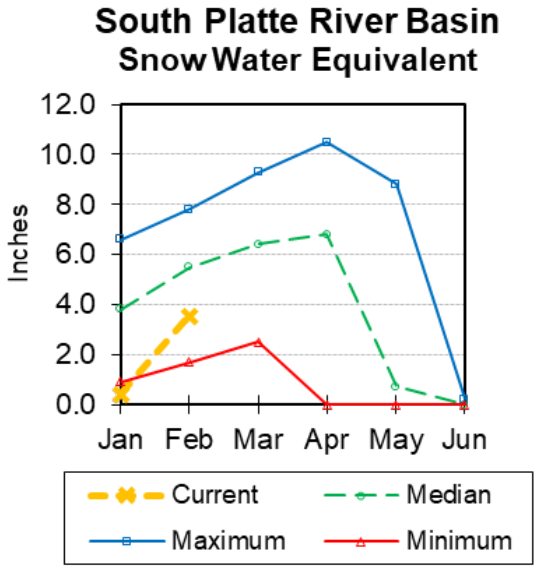


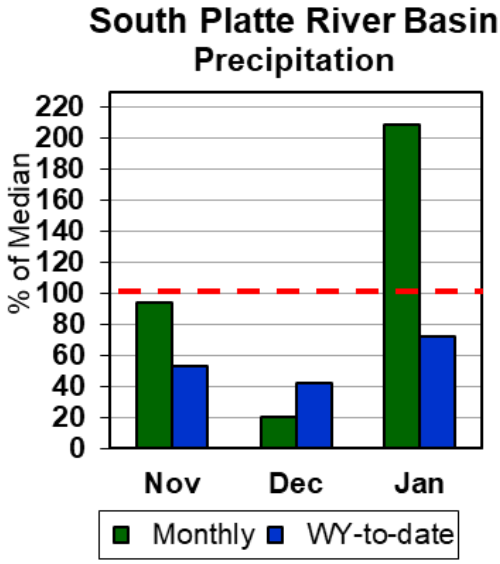
South Platte River Basin (WY)



Snow

The median SWE for sites in the South Platte River Basin is 64% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*





Precipitation

Last month's precipitation was 209% of median. The water year-to-date precipitation for the basin is currently 72% of median.

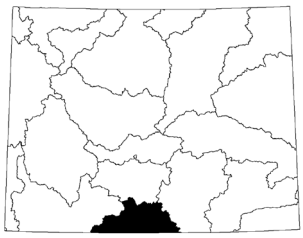
Reservoirs

No reservoir data for the basin.

Streamflow

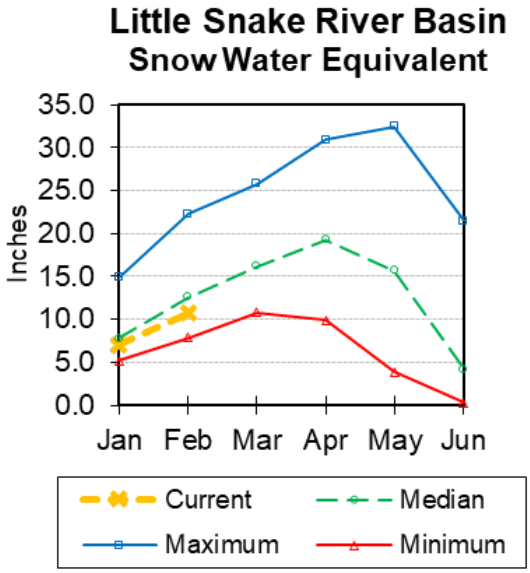
There are no streamflow forecast points for the basin.

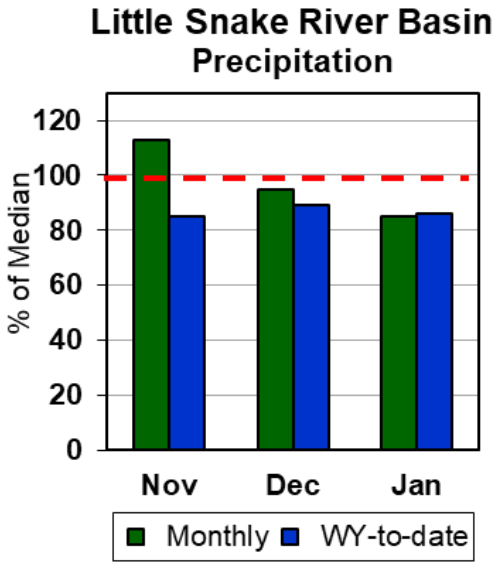
Little Snake River Basin



Snow

Little Snake River drainage SWE is 85% of median. See *Appendix at the end of this report for a detailed listing of snow course information.*





Precipitation

Precipitation across the basin was 85% 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 98% 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	11.4	13.9	11.6	22.4	51%	62%	52%	98%	120%
Basin Index					51%	62%	52%	98%	120%
# of reservoirs					1	1	1	1	1

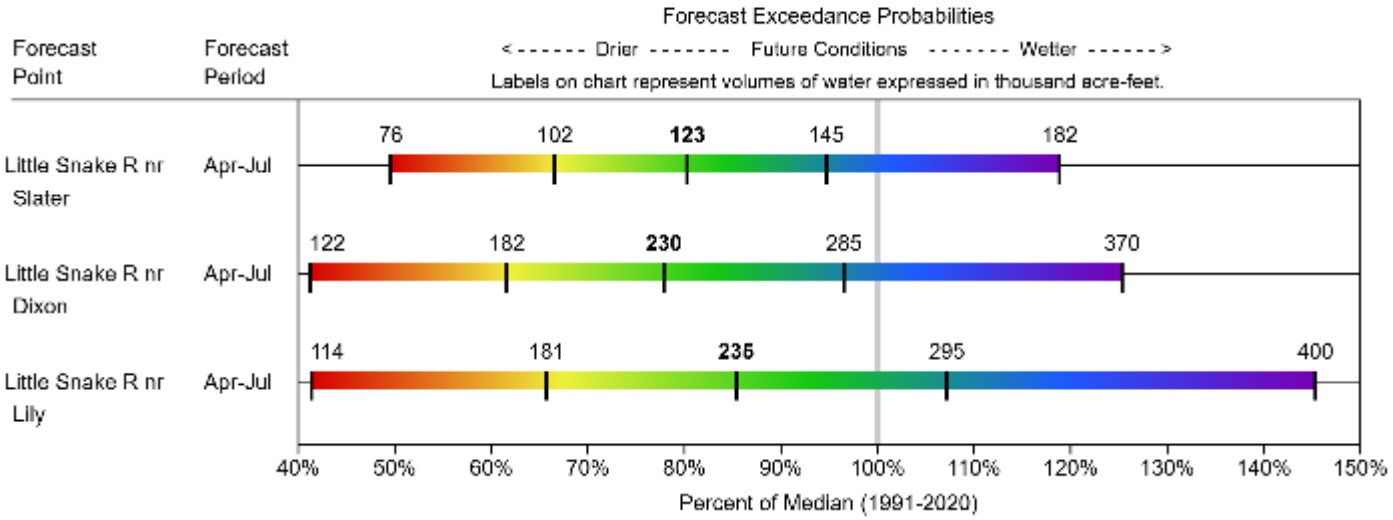
Streamflow

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.*

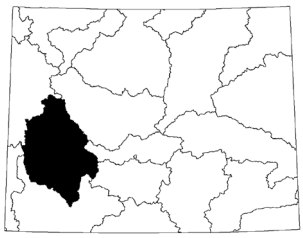
LITTLE SNAKE

Water Supply Forecasts

February 1, 2025

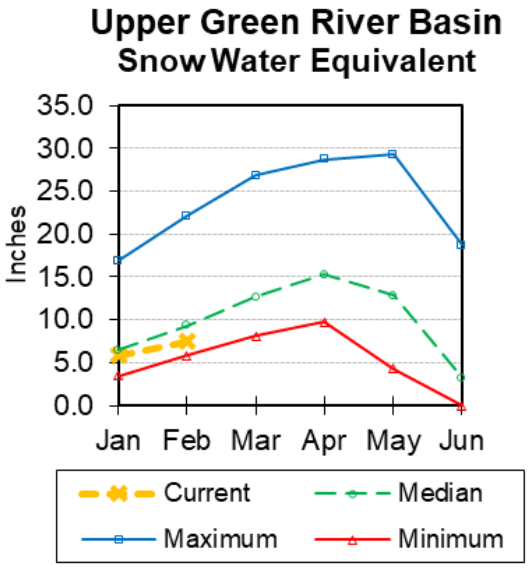


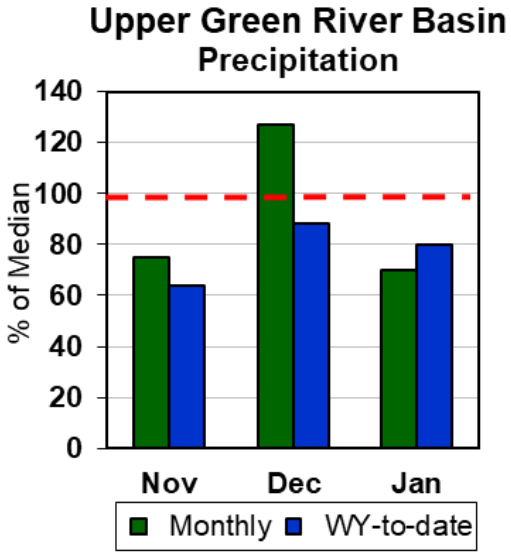
Upper Green River Basin



Snow

The Upper Green River Basin SWE (above Fontenelle Reservoir) is 80% of median. Green River Basin above Warren Bridge SWE is 79% of median. West Side of Upper Green River Basin SWE is 84% 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 70% of median last month. Water year-to-date precipitation is 80% of median.

Reservoir

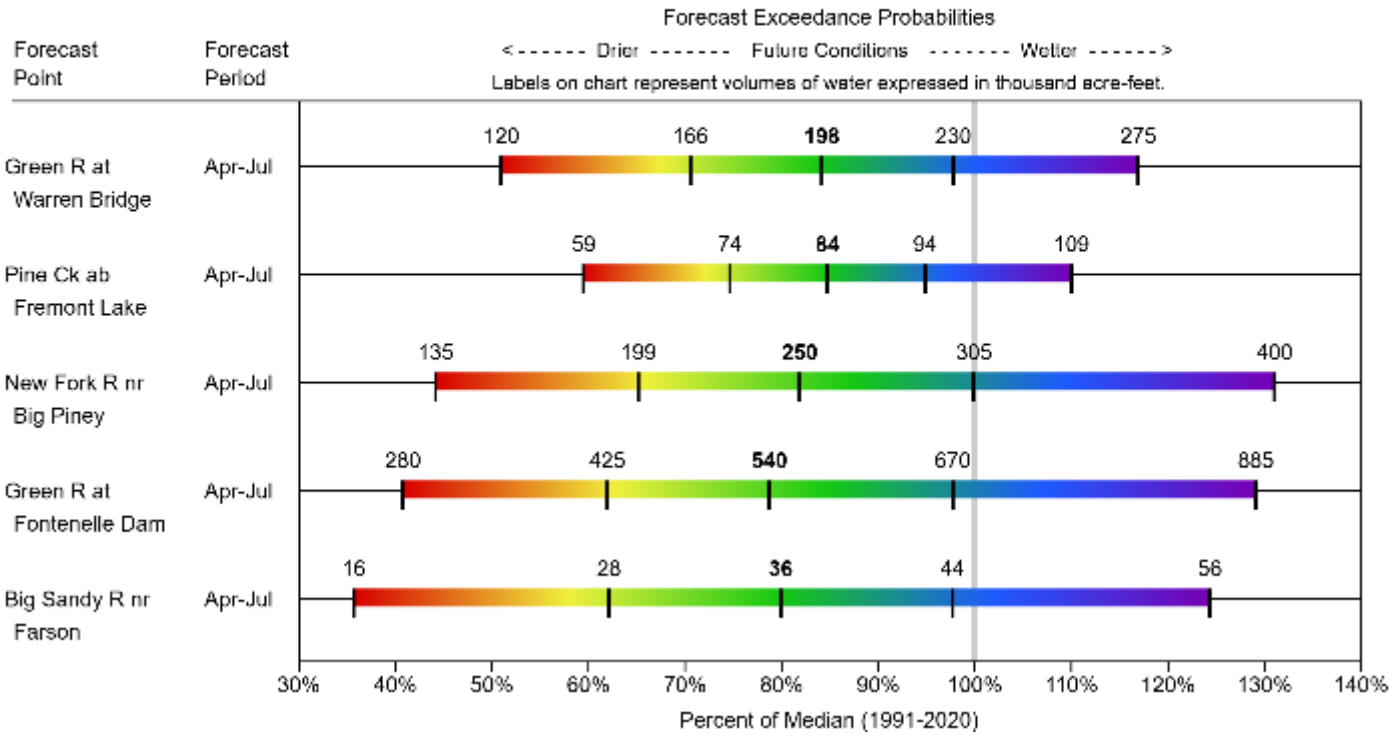
Combined water storage in the basin was at 93% of median for the 2 reservoirs.

	Current (KAF)	Last Year (KAF)	Median (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Median % Capacity	Current % Median	Last Year % Median
Big Sandy	24.4	39.1	18.2	38.3	64%	102%	48%	134%	215%
Fontenelle	146.2	163.9	165.4	344.8	42%	48%	48%	88%	99%
Basin Index					45%	53%	48%	93%	111%
# of reservoirs					2	2	2	2	2

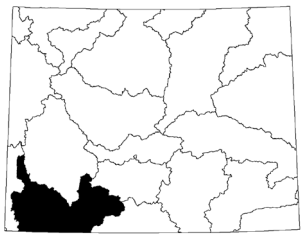
Streamflow

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 84% of median. New Fork River near Big Piney yield will be around 82% of median. Green River at Fontenelle Dam is estimated to be about 79% of median. *See the following for a more detailed forecast.*

UPPER GREEN
Water Supply Forecasts
February 1, 2025



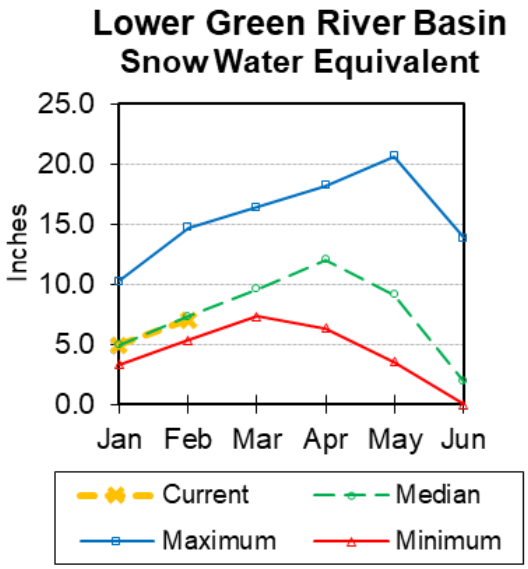
Lower Green River Basin

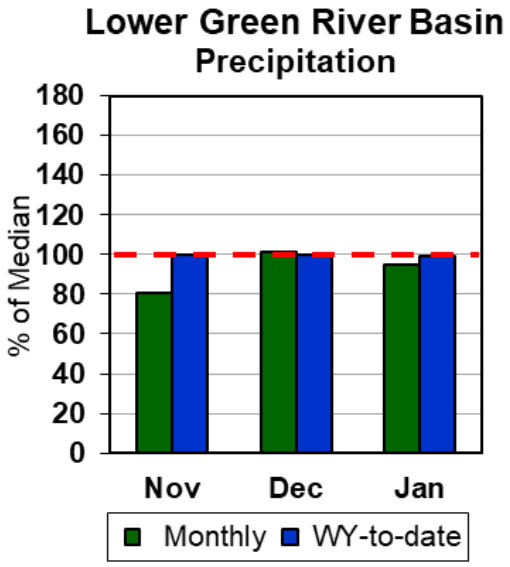


Snow

Lower Green River Basin SWE is at 96% of median. Hams Fork drainage SWE is 84% of median. Blacks Fork drainage SWE is 113% 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 95% of median. The basin year-to-date precipitation is currently 99% of median.

Reservoirs

Combined storage for the 4 reservoirs in the basin was at 99% 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	30.4	34.7	30.2	42.4	72%	82%	71%	101%	115%
Stateline Res	4.1	8.0	5.7	12.0	34%	67%	48%	72%	140%
Flaming Gorge Res	3088.3	3131.4	3111.0	3749.0	82%	84%	83%	99%	101%
Meeks Cabin Res	7.6	17.2	9.8	32.5	23%	53%	30%	78%	175%
Basin Index					82%	83%	82%	99%	101%
# of reservoirs					4	4	4	4	4

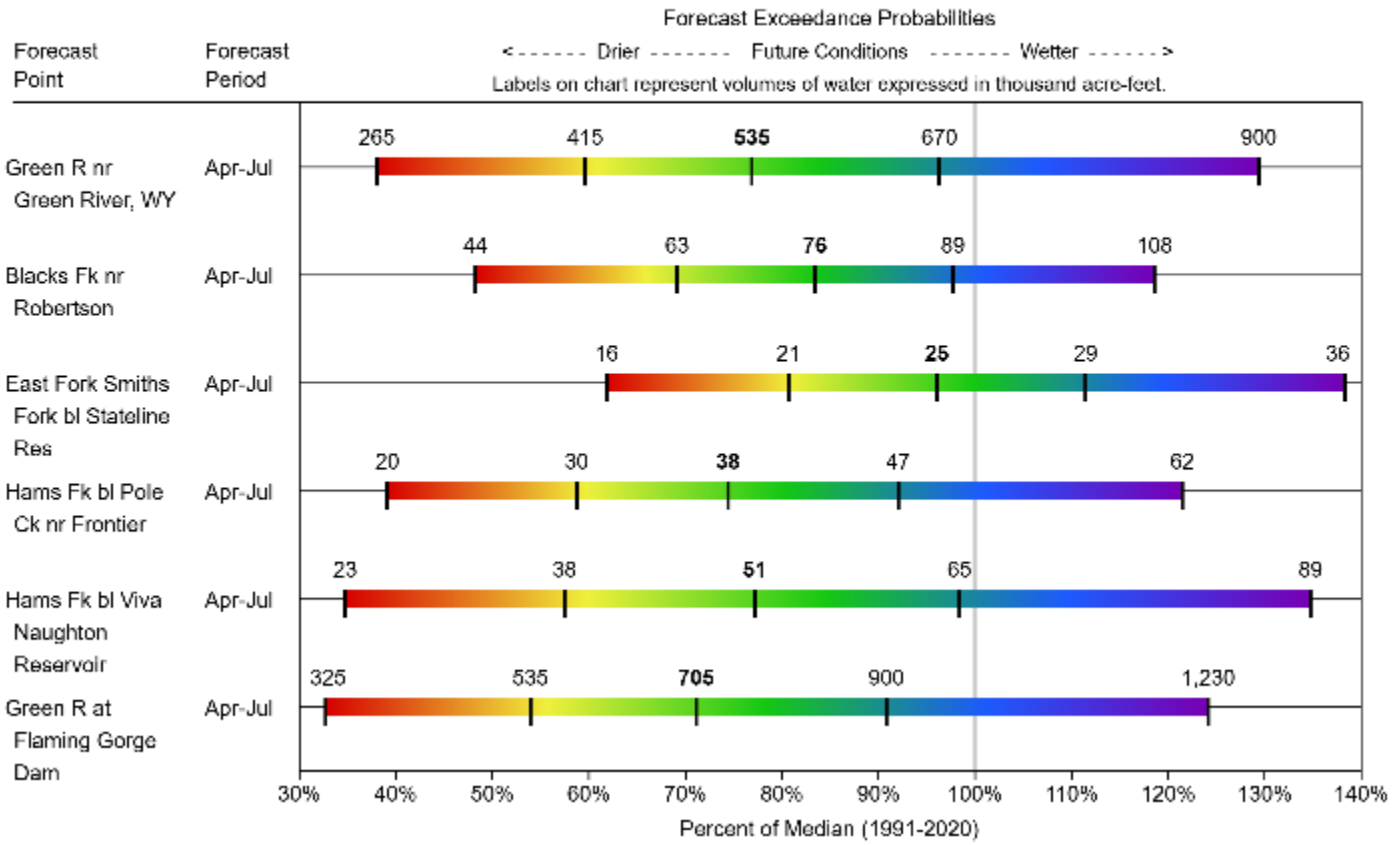
Streamflow

The following are the 50% exceedance forecasts for the April through July period is below normal. The Green River near Green River will yield about 77% of median. The Flaming Gorge Reservoir inflow will be about 71% of median. *See the following page for more detailed information on projected runoff.*

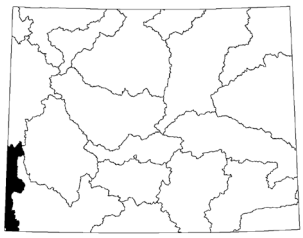
LOWER GREEN

Water Supply Forecasts

February 1, 2025



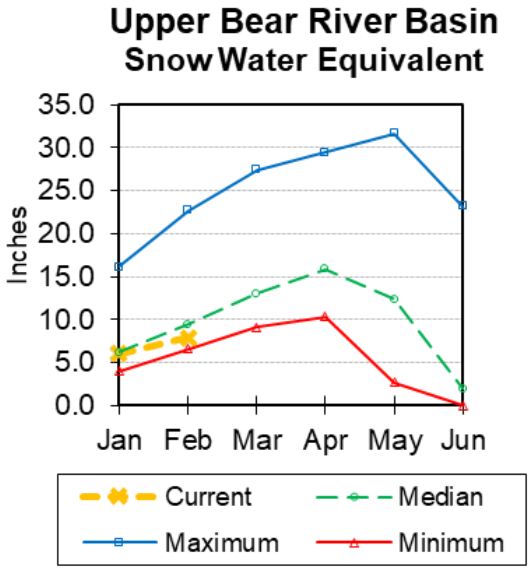
Upper Bear River Basin

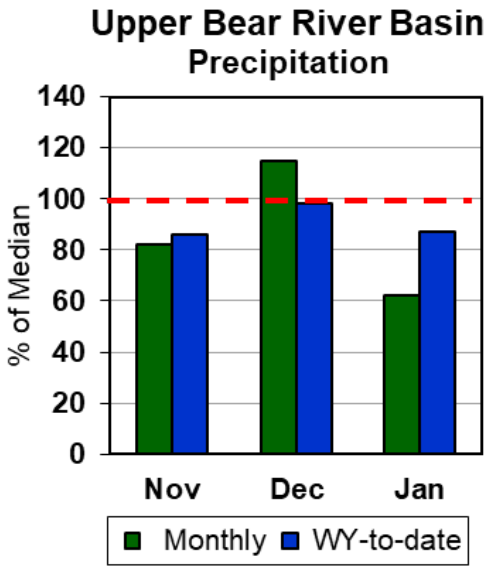


Snow

SWE in the Upper Bear River Basin of Utah is 84% of median. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is 82% of median.

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





Precipitation

Precipitation for last month was 62% of median in the basin. The year-to-date precipitation for the basin is 87% of median.

Reservoirs

Combined reservoir storage in this basin is at 87% 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	2.1	2.2	4.0	51%	53%	55%	92%	95%
Woodruff Narrows Res	31.4	48.8	36.0	57.3	55%	85%	63%	87%	136%
Basin Index					54%	83%	62%	87%	133%
# of reservoirs					2	2	2	2	2

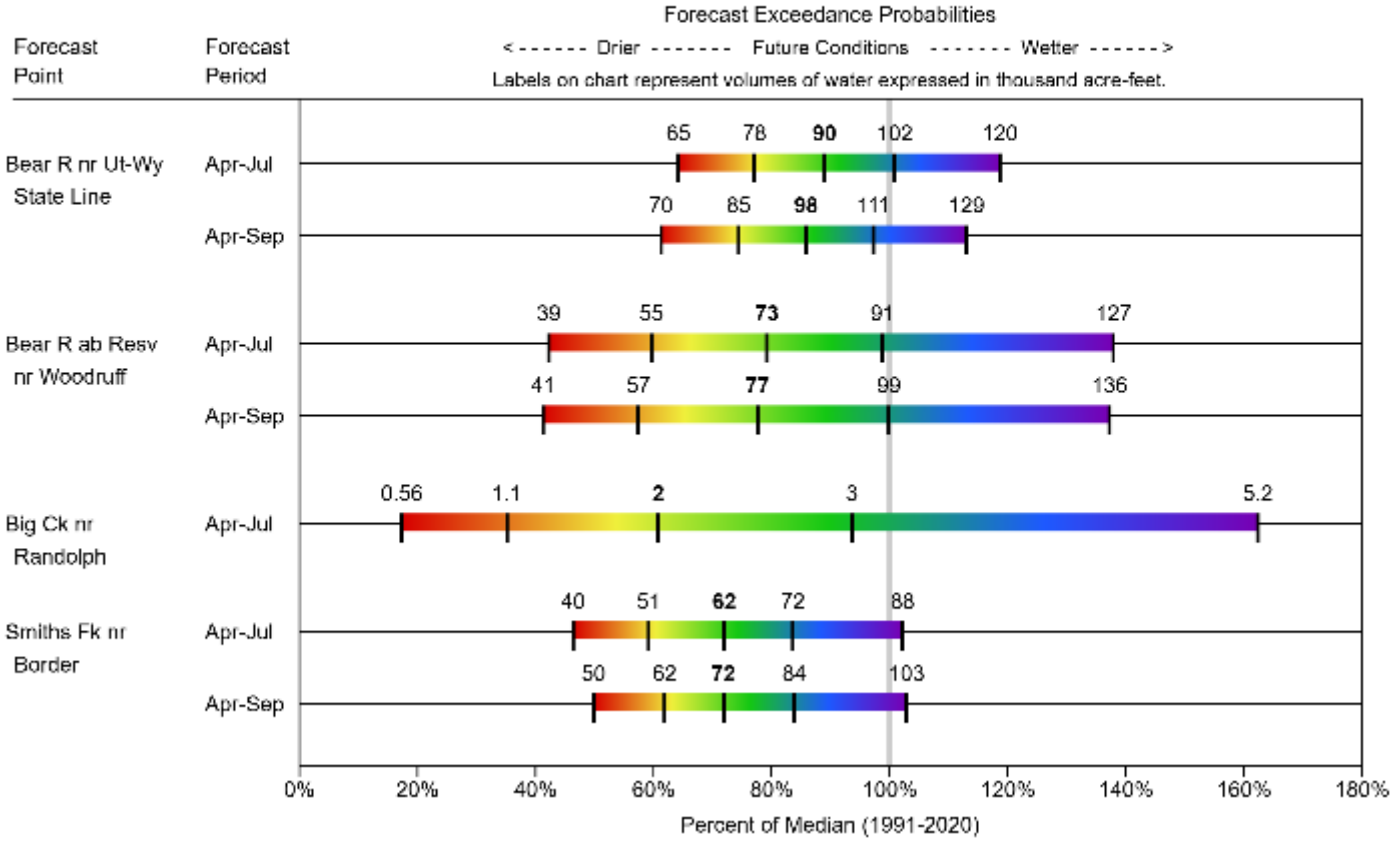
Streamflow

The 50% exceedance forecasts for the April through September period is below normal. The Bear River above Reservoir near Woodruff should yield around 78% of median. The Smiths Fork River near Border Jct. will yield around 72%. *See the following page for more detailed information on projected runoff.*

UPPER BEAR

Water Supply Forecasts

February 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/

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:

Louis Aspey (Acting 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