

# Wyoming Basin & Water Supply Outlook Report

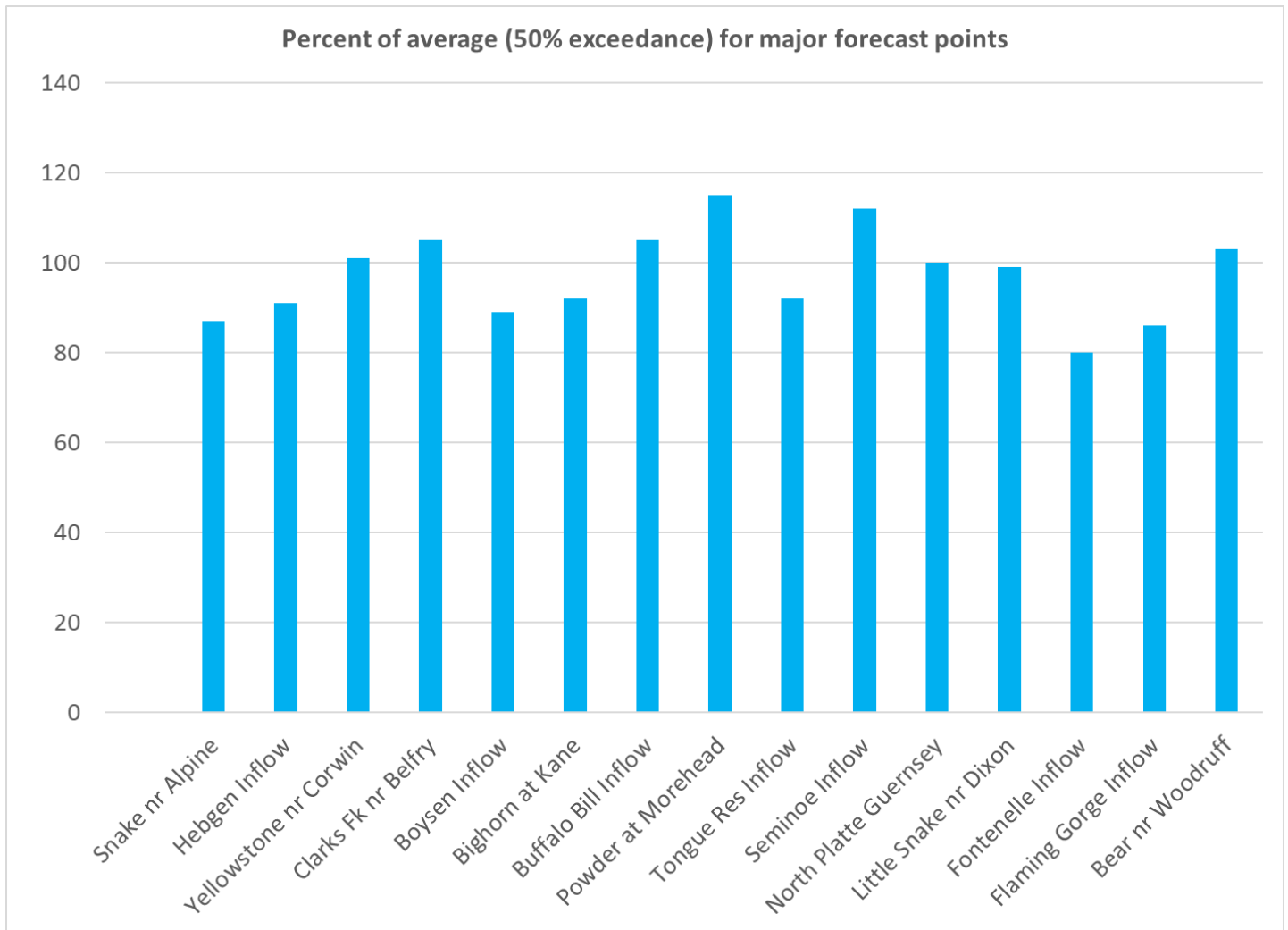
## February 1, 2020

**Natural  
Resources  
Conservation  
Service**



Photo courtesy of Wyoming State Engineer's Office Staff

## Forecasted stream flows for February 1<sup>st</sup>, 2020



# Basin Outlook Reports

## And

### Federal - State - Private Cooperative Snow Surveys

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#### *How forecasts are made*

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

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

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

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# Wyoming Basin & Water Supply Outlook Report

## Snowpack

Snow water equivalent (SWE) across Wyoming for February 1<sup>st</sup> was at 109% of median. SWE in the Lower North Platte River Basin was the highest at 140% of median, while SWE in the Sweetwater River Basin was the lowest at 74% of median. *See the map on page 5 and the Appendix for further information.*

## Precipitation

The Snake River Basin had the highest precipitation for the month at 136% of average. The Tongue River Basin had the lowest precipitation amount at 77% of average. The following table displays the major river basins and their departure from average for last month.

*See Appendix for further information.*

Basin	Departure from average	Basin	Departure from average
Snow River	+36%	Upper North Platte River	+22%
Madison-Gallatin	+15%	Sweetwater River	-22%
Yellowstone River	+24%	Lower North Platte River	-21%
Wind River	-13%	Laramie River	+8%
Bighorn River	-16%	North Platte River (Total)	+13%
Shoshone River	+24%	South Platte River	-7%
Powder River	-9%	Little Snake River	+24%
Tongue River	-23%	Upper Green River	+24%
Belle Fourche River	+28%	Lower Green River	+12%
Cheyenne River	-5%	Upper Bear River	+25%

## Streams

Forecast stream flow yields for April thru September across Wyoming average 97%. The Snake River, Madison, and Upper Yellowstone River Basins should yield about 92%, 91% and 102% of average, respectively. Yields from the Wind and Bighorn River Basins should be about 90% and 96% of average. Yields from the Shoshone and Clarks Fork River Basins of Wyoming should be about 104% and 105% of average. Yields from the Powder and Tongue River Basins should be about 109% and 93% of average. Yield for the Cheyenne River Basin should be about 109% of average. Yields for the Sweetwater, Upper North Platte, Lower North Platte, and Laramie Rivers of Wyoming should be about 48%, 109%, 107%, and 112% of average, respectively. Yields for the Little Snake, Green River, Bear River, and Smith's Fork of Wyoming should be 85%, 91%, 103%, and 100% respectively.

## Reservoirs

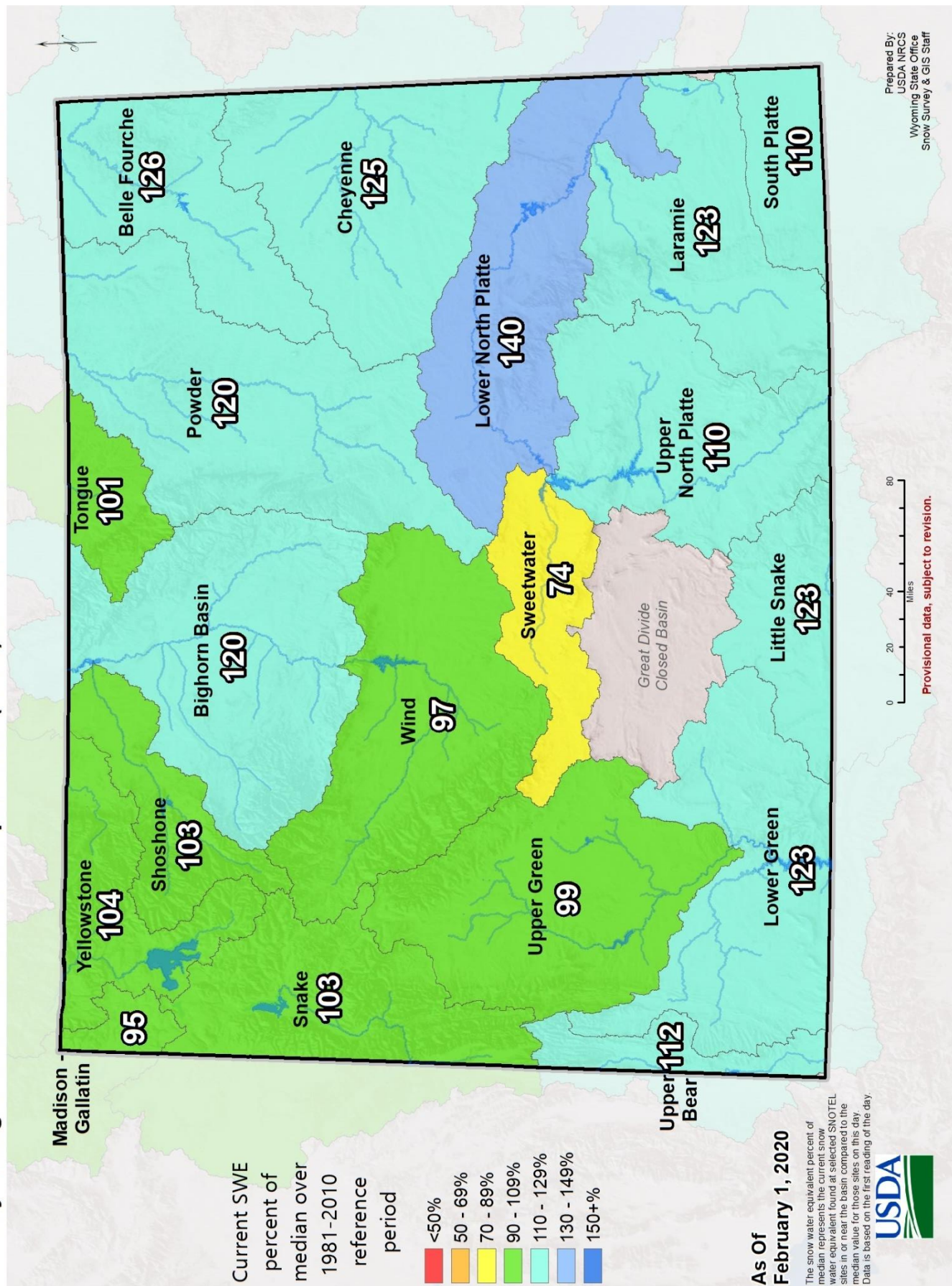
Reservoir storage was above average at 127% across the entire state. Reservoirs in the Snake River Basin are above average at 131%. Reservoirs in the Madison-Gallatin Basin are near average at 105%. Reservoirs in the Wind River Basin are above average at 113%. Reservoirs on the Big Horn are above average at 108%. The Buffalo Bill Reservoir on the Shoshone is above average at 133%. The Tongue River Basin Reservoir is above average at 178%. Reservoirs in the Belle Fourche and Cheyenne River Basins are above average at 149% & 115% respectively. Reservoirs on the Upper and Lower North Platte River are above average at 152% and 118% respectively. Reservoirs on the Upper Green River are above average at 126%. Reservoirs on the Lower Green River Basin are above average at 104% and are above average on the Upper Bear River Basin at 174%. *See below for further information.*

## Wyoming Reservoir Levels

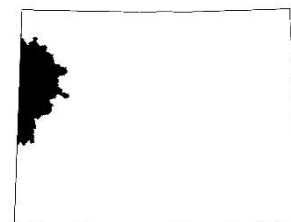
	Reservoir Storage Summary for the end of January 2020								
	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Alcova	157	157.2	155	184.3	85%	85%	84%	101%	101%
Angostura	98.2	95.8	83.2	122.1	80%	78%	68%	118%	115%
Belle Fourche	132.5	133.5	110.5	178.4	74%	75%	62%	120%	121%
Big Sandy	22.5	15.8	17	38.3	59%	41%	44%	133%	93%
Bighorn Lake	878.9	826.5	825.9	1356	65%	61%	61%	106%	100%
Boysen	569.5	552.7	506	596	96%	93%	85%	113%	109%
Buffalo Bill	469.6	450.1	353.8	646.6	73%	70%	55%	133%	127%
Bull Lake	92.3	81.3	75.4	151.8	61%	54%	50%	122%	108%
Deerfield	15.1	14.8	13.7	15.2	99%	98%	90%	110%	108%
Ennis Lake	28.9	28.9	29.8	41	70%	70%	73%	97%	97%
Flaming Gorge Reservoir	3273.6	3197.7	3049	3749	87%	85%	81%	107%	105%
Fontenelle	176.6	149.6	150.1	344.8	51%	43%	44%	118%	100%
Glendo	324.2	302.2	301.5	506.4	64%	60%	60%	108%	100%
Grassy Lake	12.8	12.7	11.9	15.2	84%	84%	78%	108%	107%
Guernsey	16.6	14.3	11.4	45.6	36%	31%	25%	146%	125%
Hebgen Lake	313.3	316.8	279	378.8	83%	84%	74%	112%	114%
High Savery Reservoir		6.6	11.9	22.4		29%	53%		55%
Jackson Lake	613.4	657.1	431.2	847	72%	78%	51%	142%	152%
Keyhole	169.8	158.6	87.9	193.8	88%	82%	45%	193%	180%
PactoLa	53	51.7	45.5	55	96%	94%	83%	116%	114%
Palisades Reservoir	1314	1124.7	911.2	1400	94%	80%	65%	144%	123%
Pathfinder	882.4	628.4	559	1016.5	87%	62%	55%	158%	112%
Pilot Butte	23.9	24.1	23.2	31.6	76%	76%	73%	103%	104%
Seminole	794.1	617.5	520.8	1016.7	78%	61%	51%	152%	119%
Shadehill	57.5	67.4	42.8	81.4	71%	83%	53%	134%	157%
Tongue River Res	47.5	50.6	26.7	79.1	60%	64%	34%	178%	189%
Viva Naughton Res	30.4	27.6	30.1	42.4	72%	65%	71%	101%	92%
Wheatland #2		34.9	40.9	98.9		35%	41%		85%
Woodruff Narrows Reservoir	50.6	20.7	29	57.3	88%	36%	51%	174%	71%



# Wyoming Basins Snow Water Equivalent (SWE) % of Median - includes Manual Snow Courses



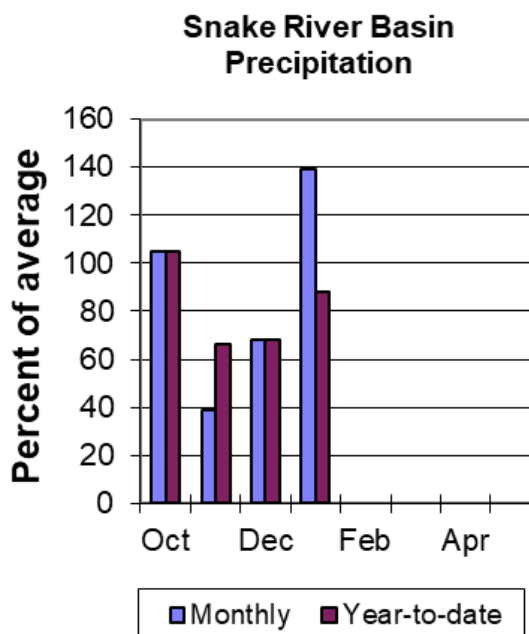
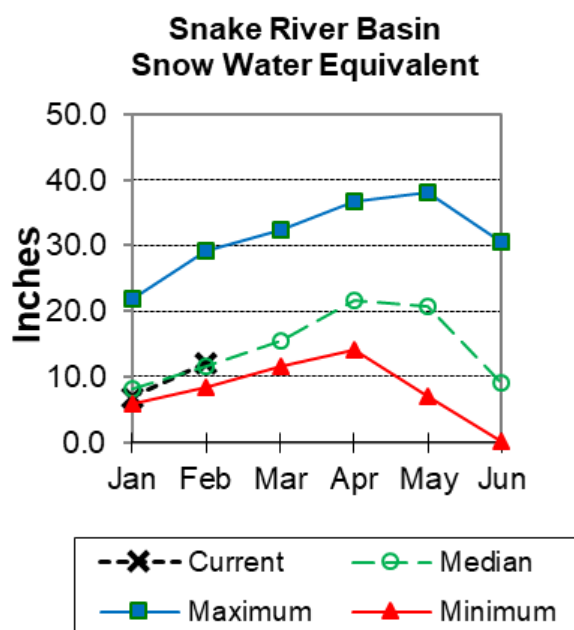
# Snake River Basin



## Snow

The overall Snake River Basin SWE (portion above Palisades dam) is 103% of median. SWE in the Snake River Basin above Jackson Lake is 99% of median. Pacific Creek Basin SWE is 105% of median. Buffalo Fork SWE is 103% of median. Gros Ventre River Basin SWE is 94% of median. SWE in the Hoback River drainage is 103% of median. SWE in the Greys River drainage is 116% of median. Salt River Basin SWE is 120% 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 139% of average. Water-year-to-date precipitation is 88% of average.

## Reservoirs

Current reservoir storage is 143% of average for the three storage reservoirs in the basin.

Snake River Basin	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Grassy Lake	12.8	12.7	11.9	15.2	84%	84%	78%	108%	107%
Jackson Lake	613.4	657.1	431.2	847.0	72%	78%	51%	142%	152%
Palisades Reservoir	1314.0	1124.7	911.2	1400.0	94%	80%	65%	144%	123%
Basin-wide Total	1940.2	1794.6	1354.3	2262.2	86%	79%	60%	143%	133%
# of reservoirs	3	3	3	3	3	3	3	3	3

## Streamflow

The 50% exceedance forecasts for April through September are below average for this basin. The Snake near Moran yield is 89% of average. Snake River above Reservoir near Alpine will yield about 87%. Pacific Creek near Moran Yield will be around 87%. Buffalo Fork above Lava near Moran yield will be around 92% of average. Greys River above Palisades

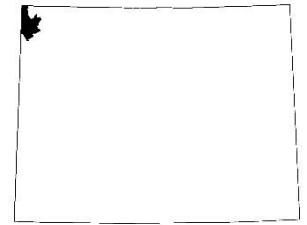
Reservoir yield about 100%. Salt River near Etna yield will be about 100%.

*See the following table for further information.*

		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
SNAKE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Snake R nr Moran <sup>2</sup>								
	APR-JUL	490	605	680	89%	755	865	765
	APR-SEP	545	670	750	89%	835	960	845
Snake R ab Reservoir nr Alpine <sup>2</sup>								
	APR-JUL	1330	1660	1890	87%	2120	2450	2170
	APR-SEP	1540	1920	2170	87%	2430	2810	2500
Snake R nr Irwin <sup>2</sup>								
	APR-JUL	1910	2380	2700	90%	3010	3480	3010
	APR-SEP	2240	2770	3140	90%	3500	4040	3500
Snake R nr Heise <sup>2</sup>								
	APR-JUL	2100	2580	2900	90%	3230	3700	3240
	APR-SEP	2470	3020	3400	90%	3770	4330	3780
Pacific Ck at Moran								
	APR-JUL	98	124	141	86%	159	185	164
	APR-SEP	105	131	150	87%	168	195	173
Buffalo Fk ab Lava Ck nr Moran								
	APR-JUL	190	230	260	93%	290	330	280
	APR-SEP	215	260	295	92%	325	375	320
Greys R ab Reservoir nr Alpine								
	APR-JUL	230	275	310	102%	340	385	305
	APR-SEP	270	320	360	100%	395	450	360
Salt R ab Reservoir nr Etna								
	APR-JUL	184	255	300	100%	345	415	300
	APR-SEP	230	315	370	100%	425	505	370
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

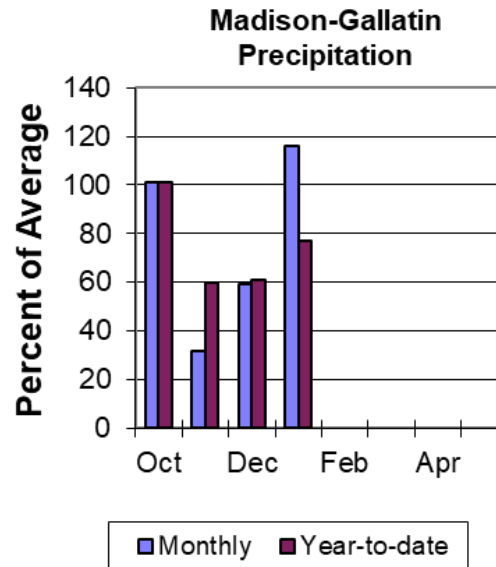
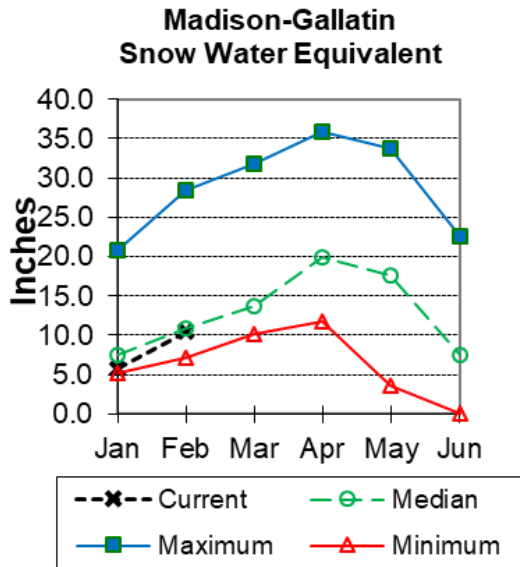


# Madison-Gallatin Rivers Basin



## Snow

SWE is 95% of median in the Madison-Gallatin drainage. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month precipitation in the Madison-Gallatin drainage was 116% of average. Water-year-to-date precipitation is at 77% of average.

## Reservoirs

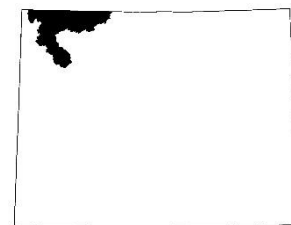
Current reservoir storage is 111% of average in the basin.

MADISON-GALLATIN RIVER BASINS	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Ennis Lake	28.9	28.9	29.8	41.0	70%	70%	73%	97%	97%
Hebgen Lake	313.3	316.8	279.0	378.8	83%	84%	74%	112%	114%
Basin-wide Total	342.1	345.6	308.8	419.8	81%	82%	74%	111%	112%
# of reservoirs	2	2	2	2	2	2	2	2	2

## Streamflow

The 50% exceedance forecast for April through September is below average for the basin. Hebgen Reservoir inflow is 91% of average. *See below for detailed runoff volumes.*

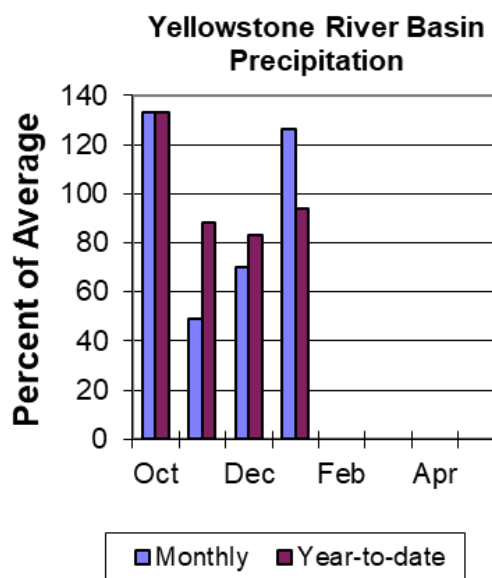
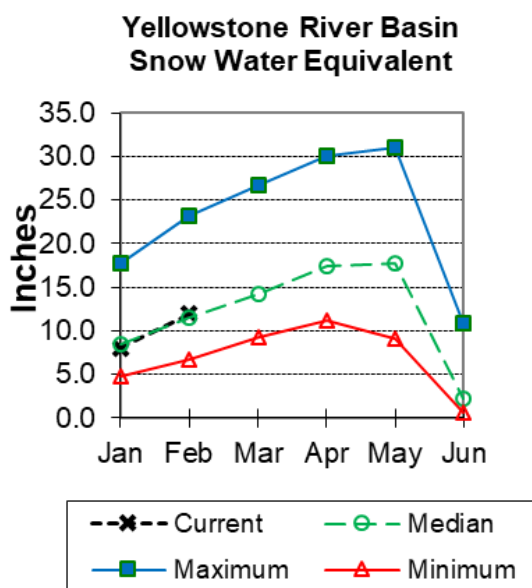
MADISON-GALLATIN RIVER BASINS	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Hebgen Reservoir Inflow								
	APR-JUL	255	305	335	91%	365	415	370
	APR-SEP	330	390	430	91%	470	530	470
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								



## Yellowstone River Basin

### Snow

SWE in the Yellowstone River Basin is 104% of median. SWE in the Clarks Fork Drainage of the Yellowstone River Basin in Wyoming is 105% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation in the Yellowstone River Basin was 126% of average. Water-year-to-date precipitation is 94% of average.

**Reservoirs** No reservoir data

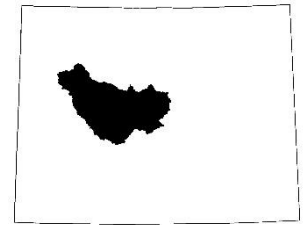
### Streamflow

The 50% exceedance forecasts for April through September are near average for the basin. Yellowstone at Lake Outlet will yield around 99% of average. Yellowstone at Corwin Springs will yield around 101%. Clarks Fork of the Yellowstone near Belfry will yield around 105%.

*See the following for further information.*

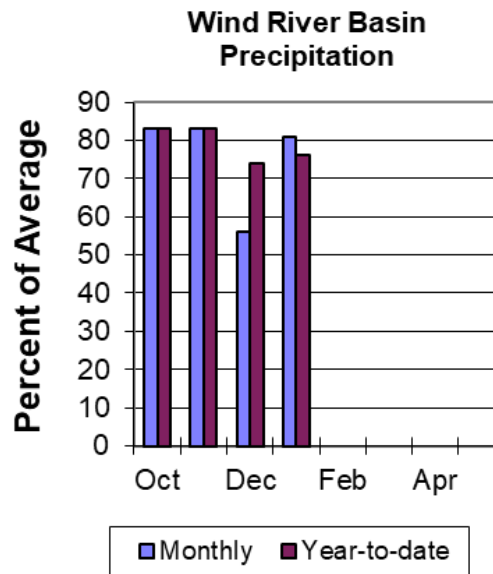
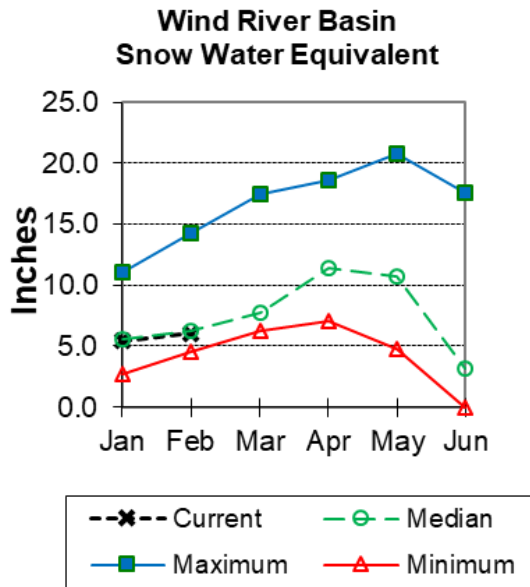
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast							
YELLOWSTONE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)	
Yellowstone R at Yellowstone Lake Outlet									
	APR-JUL	435	515	570	99%	625	705	575	
	APR-SEP	580	685	760	99%	835	940	770	
Yellowstone R at Corwin Springs									
	APR-JUL	1290	1480	1600	101%	1720	1910	1590	
	APR-SEP	1520	1740	1890	101%	2040	2260	1880	
Yellowstone R at Livingston									
Clarks Fk Yellowstone R nr Belfry <sup>2</sup>									
	APR-JUL	405	480	530	104%	580	655	510	
	APR-SEP	435	520	575	105%	630	710	550	
1) 90% and 10% exceedance probabilities are actually 95% and 5%									
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions									
3) Median value used in place of average									

# Wind River Basin



## Snow

Wind River Basin SWE (above Boysen Reservoir) is 97% of median. SWE in the Wind River above Dubois is 104% of median. Little Wind SWE is 85% of median, and Popo Agie drainage SWE is 92% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation for the basin was 81% of average. Water year-to-date precipitation is 76% of average.

## Reservoirs

Current storage is 113% of average in the basin.

WIND RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Bull Lake	92.3	81.3	75.4	151.8	61%	54%	50%	122%	108%
Boysen	569.5	552.7	506.0	596.0	96%	93%	85%	113%	109%
Pilot Butte	23.9	24.1	23.2	31.6	76%	76%	73%	103%	104%
Basin-wide Total	685.7	658.1	604.6	779.4	88%	84%	78%	113%	109%
# of reservoirs	3	3	3	3	3	3	3	3	3

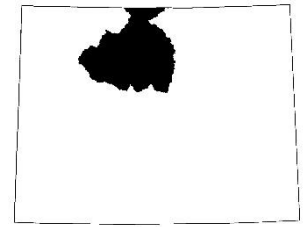
## Streamflow

The 50% exceedance forecasts for the April through September runoff period are below average. The Wind River above Bull Lake Creek will yield about 99% of average. Little Popo Agie River near Lander should yield around 76% of average. Little Wind River near Riverton will yield around 80% of average. Boysen Reservoir inflow will yield about 89% of average. *See the following page for detailed runoff volumes.*



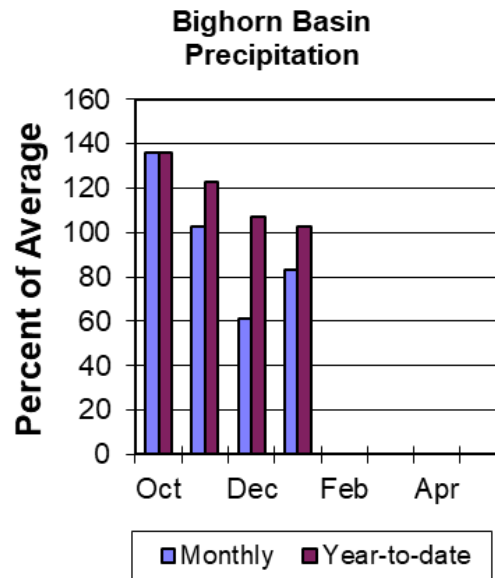
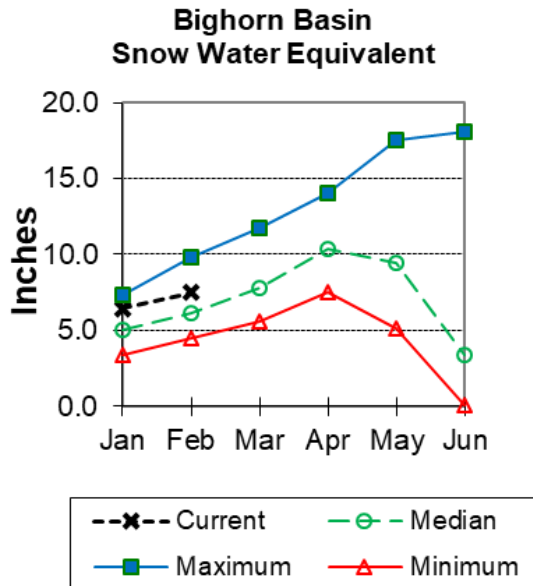
WIND RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Dinwoody Ck nr Burris								
	APR-JUL	52	60	66	100%	72	80	66
	APR-SEP	76	86	92	100%	98	108	92
Wind R Ab Bull Lake Ck								
	APR-JUL	300	390	455	100%	520	610	455
	APR-SEP	315	415	485	99%	555	655	490
Bull Lake Ck nr Lenore								
	APR-JUL	92	112	125	90%	139	159	139
	APR-SEP	112	136	152	90%	168	192	169
Wind R at Riverton								
	APR-JUL	300	400	470	99%	540	640	475
	APR-SEP	355	470	545	99%	620	730	550
Little Popo Agie R nr Lander								
	APR-JUL	11.5	24	32	76%	41	53	42
	APR-SEP	15.5	29	37	76%	46	59	49
Little Wind R nr Riverton								
	APR-JUL	48	150	220	81%	290	390	270
	APR-SEP	54	162	235	80%	310	415	295
Boysen Reservoir Inflow								
	APR-JUL	194	410	555	91%	700	920	610
	APR-SEP	205	435	590	89%	740	970	665
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Bighorn River Basin



## Snow

The Bighorn River Basin SWE (above Bighorn Reservoir) is 120% of median. The Nowood River is at 127% of median. The Greybull River SWE is at 123% of median. Shell Creek SWE is at 113% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 83% of average. Year-to-date precipitation is 103% of average.

## Reservoirs

Current reservoir storage in the basin is 109% of average.

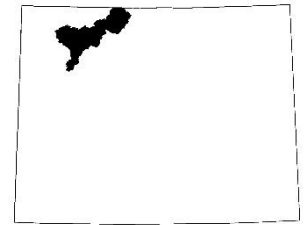
BIGHORN RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Boysen	569.5	552.7	506.0	596.0	96%	93%	85%	113%	109%
Bighorn Lake	878.9	826.5	825.9	1356.0	65%	61%	61%	106%	100%
Basin-wide Total	1448.3	1379.2	1331.9	1952.0	74%	71%	68%	109%	104%
# of reservoirs	2	2	2	2	2	2	2	2	2

## Streamflow

The 50% exceedance forecasts for the April through September runoffs are near average. Boysen Reservoir inflow has a forecasted yield 89% of average; the Greybull River near Meeteetse yielding around 99% of average; Shell Creek near Shell yielding around 105% of average and the Bighorn River at Kane to yield around 92% of average. *See the following for detailed runoff volumes.*

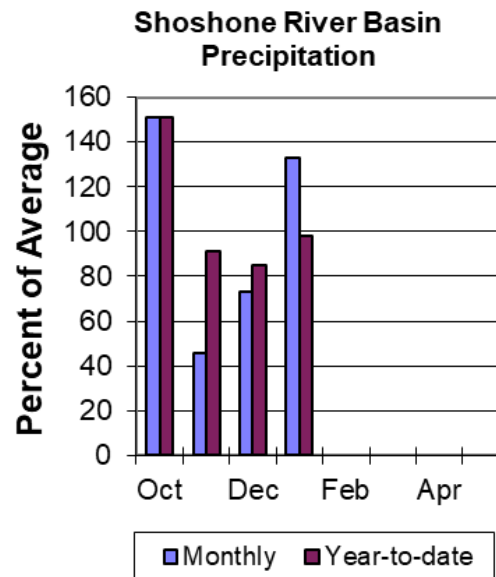
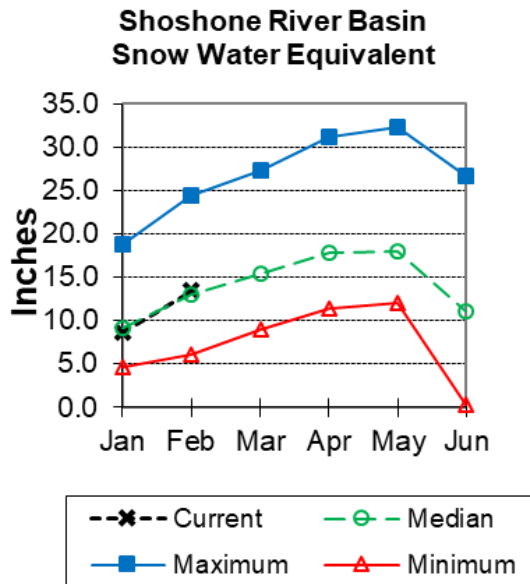
BIGHORN RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Boysen Reservoir Inflow								
	APR-JUL	194	410	555	91%	700	920	610
	APR-SEP	205	435	590	89%	740	970	665
Greybull R nr Meeteetse								
	APR-JUL	73	107	129	98%	152	186	131
	APR-SEP	109	148	175	99%	200	240	177
Shell Ck nr Shell								
	APR-JUL	43	52	58	105%	64	73	55
	APR-SEP	52	62	69	105%	76	86	66
Bighorn R at Kane								
	APR-JUL	290	590	795	95%	1000	1300	840
	APR-SEP	290	615	830	92%	1050	1370	905
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Shoshone River Basin



## Snow

Snow Water Equivalent (SWE) is 103% 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 133% of average. The basin year-to-date precipitation is now 98% of average.

## Reservoirs

Current storage in Buffalo Bill Reservoir is about 133% of average.

SHOSHONE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Buffalo Bill	469.6	450.1	353.8	646.6	73%	70%	55%	133%	127%
Basin-wide Total	469.6	450.1	353.8	646.6	73%	70%	55%	133%	127%
# of reservoirs	1	1	1	1	1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the April through September period are near average for the basin. The North Fork Shoshone River at Wapiti will yield 107% of average. The South Fork of the Shoshone River near Valley would yield 102% of average. The Buffalo Bill Reservoir inflow to yield 105%. *See the following for detailed runoff volumes.*

SHOSHONE RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
NF Shoshone R at Wapiti								
	APR-JUL	385	450	495	108%	535	600	460
	APR-SEP	430	500	550	107%	595	665	515
SF Shoshone R nr Valley								
	APR-JUL	157	192	215	100%	240	275	215
	APR-SEP	180	220	250	102%	275	315	245
SF Shoshone R ab Buffalo Bill Reservoir								
	APR-JUL	107	157	191	99%	225	275	193
	APR-SEP	112	166	205	103%	240	295	200
Buffalo Bill Reservoir Inflow <sup>2</sup>								
	APR-JUL	510	625	705	104%	780	895	675
	APR-SEP	575	700	785	105%	865	990	745
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

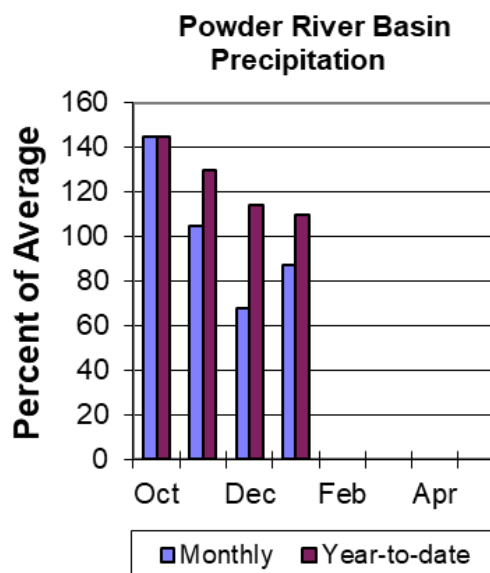
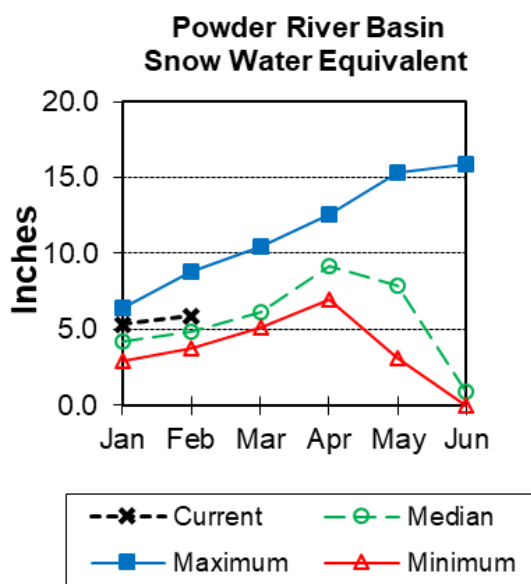


# Powder River Basin



## Snow

Powder River Basin SWE is at 120% of median. Upper Powder River drainage is 132% of median. SWE in the Clear Creek drainage is 103% of median. Crazy Woman Creek drainage SWE is at 122%. *See appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 87% of average in the basin. Year-to-date precipitation is 110% of average.

## Reservoirs

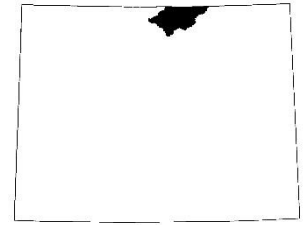
No reservoir data for this basin.

## Streamflow

The 50% exceedance forecasts for the April through September period are above average for the basin. The Middle Fork of the Powder River near Barnum should yield around 109% of average. The North Fork of the Powder River near Hazelton to yield around 118%. The Powder River near Morehead to yield around 115% of average. *See the following for detailed runoff volumes.*

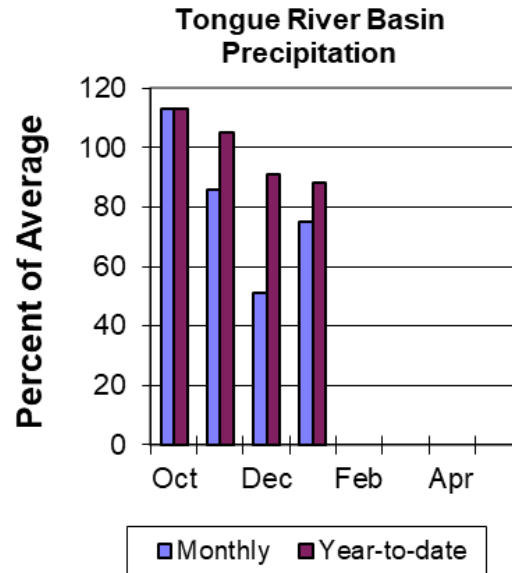
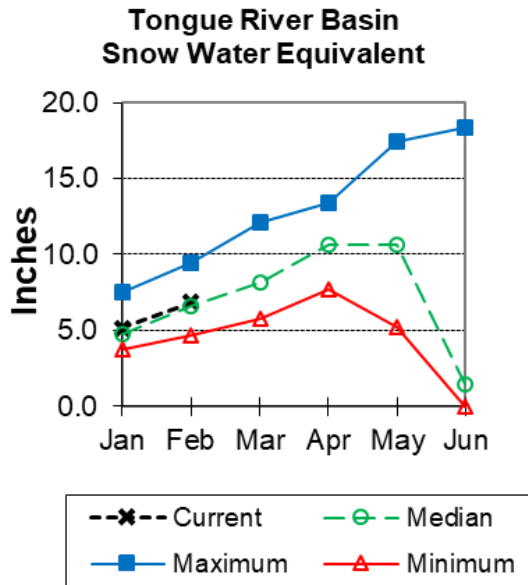
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
POWDER RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
MF Powder R nr Barnum								
	APR-JUL	10.7	14.9	17.7	110%	21	25	16.1
	APR-SEP	11.5	15.7	18.6	109%	22	26	17
NF Powder R nr Hazelton								
	APR-JUL	7.6	9.6	10.9	120%	12.2	14.2	9.1
	APR-SEP	8.3	10.3	11.7	118%	13.1	15.1	9.9
Rock Ck nr Buffalo								
	APR-JUL	10.5	16.2	20	108%	24	29	18.6
	APR-SEP	13.8	19.9	24	109%	28	34	22
Piney Ck at Kearny								
	APR-JUL	12.4	30	41	93%	53	70	44
	APR-SEP	14.6	32	44	94%	56	74	47
Powder R at Moorehead								
	APR-JUL	71	151	205	116%	260	340	177
	APR-SEP	90	170	225	115%	280	360	196
Powder R nr Locate								
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Tongue River Basin



## Snow

Upper Tongue River drainage SWE is at 101% of median. The Goose Creek drainage SWE is also 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 75% of average. Year-to-date precipitation is 88% of average in the basin.

## Reservoirs

The Tongue River Reservoir is at 178% of average for this time of year.

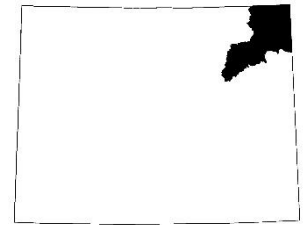
TONGUE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Tongue River Res	47.5	50.6	26.7	79.1	60%	64%	34%	178%	189%
Basin-wide Total	47.5	50.6	26.7	79.1	60%	64%	34%	178%	189%
# of reservoirs	1	1	1	1	1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the April through September period are below average for the basin. The yield for Tongue River near Dayton is forecasted to be 96% of average. Big Goose Creek near Sheridan to yield around 91%. Little Goose Creek near Bighorn yielding 92% of average. The Tongue River Reservoir Inflow will be about 92% of average. *See below for detailed runoff volumes.*

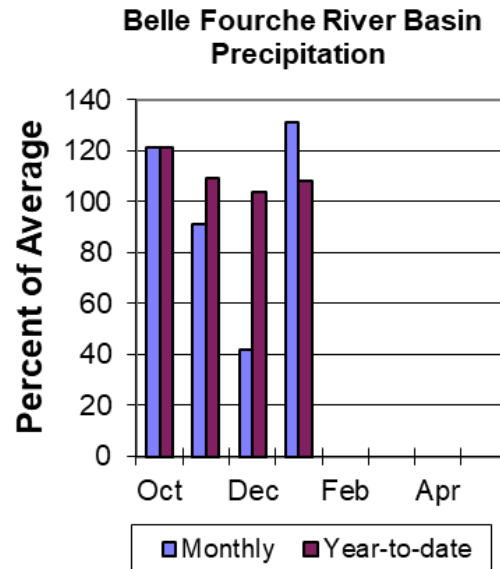
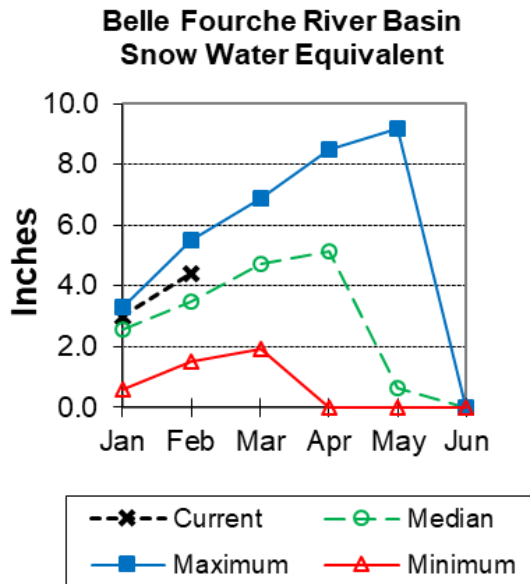
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
TONGUE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Tongue R nr Dayton								
	APR-JUL	53	70	82	95%	93	111	86
	APR-SEP	62	81	94	96%	106	125	98
Big Goose Ck nr Sheridan								
	APR-JUL	20	32	41	89%	49	61	46
	APR-SEP	28	40	49	91%	57	70	54
Little Goose Ck nr Bighorn								
	APR-JUL	15.3	23	28	90%	34	42	31
	APR-SEP	22	30	36	92%	42	50	39
Tongue River Reservoir Inflow								
	APR-JUL	72	133	175	91%	215	280	193
	APR-SEP	89	153	198	92%	240	305	215
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Belle Fourche River Basin



## Snow

Belle Fourche River Basin SWE is at 126% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation for last month was 131% of average in the Belle Fourche basin. Year-to-date precipitation is 108% of average.

## Reservoirs

Combined storage for the 3 reservoirs in the basin is at 149% of average.

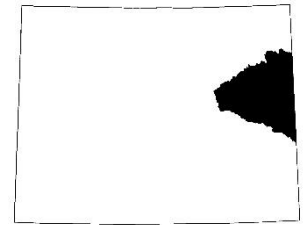
BELLE FOURCHE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Belle Fourche	132.5	133.5	110.5	178.4	74%	75%	62%	120%	121%
Keyhole	169.8	158.6	87.9	193.8	88%	82%	45%	193%	180%
Shadehill	57.5	67.4	42.8	81.4	71%	83%	53%	134%	157%
Basin-wide Total	359.8	359.5	241.2	453.6	79%	79%	53%	149%	149%
# of reservoirs	3	3	3	3	3	3	3	3	3

## Streamflow

There are no streamflow forecast points for the basin.

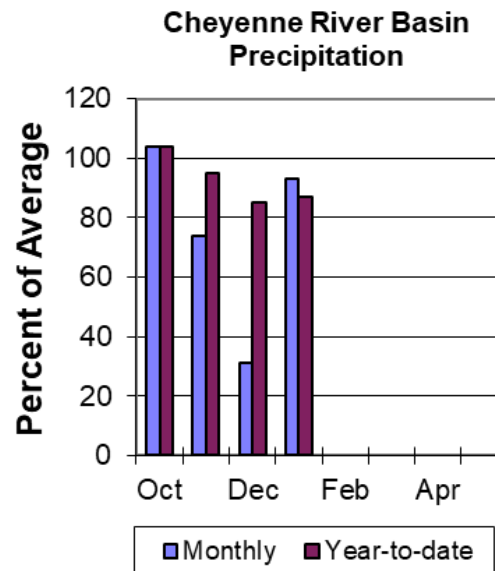
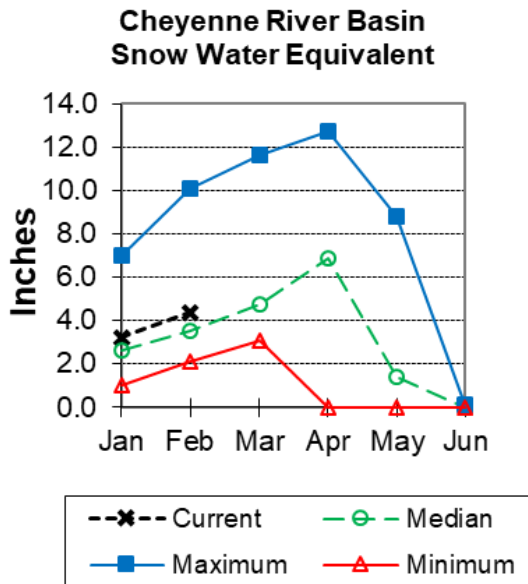


# Cheyenne River Basin



## Snow

Cheyenne River Basin SWE is at 125% of median. *See Appendix at the end of this report for a detailed listing.*



## Precipitation

Precipitation for last month was 93% of average. Year-to-date precipitation is 87%.

## Reservoirs

Combined storage for the 3 reservoirs in the basin is at 113% of average.

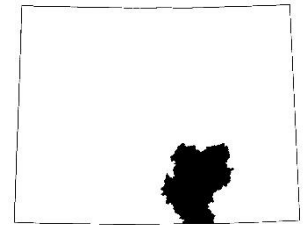
CHEYENNE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Angostura	98.2	95.8	83.2	122.1	80%	78%	68%	118%	115%
Deerfield	15.1	14.8	13.7	15.2	99%	98%	90%	110%	108%
Pactola	53.0	51.7	45.5	55.0	96%	94%	83%	116%	114%
Basin-wide Total	166.3	162.3	142.4	192.3	86%	84%	74%	117%	114%
# of reservoirs	3	3	3	3	3	3	3	3	3

## Streamflow

The Deerfield Reservoir Inflow yield is forecasted at 112% of average. Pactola Reservoir Inflow yield is 105% of average. *See the following for detailed runoff volumes.*

CHEYENNE RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Deerfield Reservoir Inflow								
	MAR-JUL	3.3	5.5	7	113%	8.5	10.8	6.2
	APR-JUL	2.4	4.4	5.8	112%	7.2	9.2	5.2
Pactola Reservoir Inflow								
	MAR-JUL	10.8	20	27	108%	33	43	25
	APR-JUL	8.3	17.3	23	105%	30	39	22
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

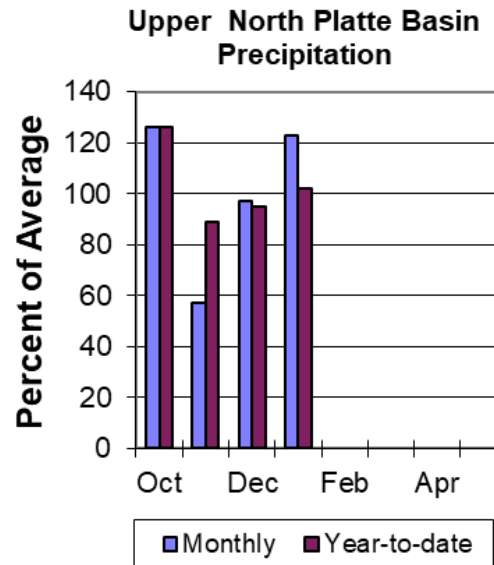
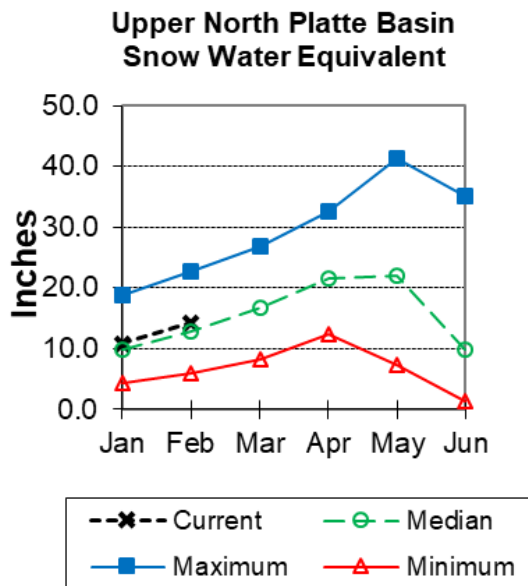
# Upper North Platte River Basin



## Snow

The Upper North Platte River Basin SWE above Seminoe Reservoir is 110% of median. North Platte above Northgate SWE is 100% of median. Encampment River SWE is 114% of median. Brush Creek SWE is 126% of median. Medicine Bow and Rock Creek SWE are 116% of median.

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



## Precipitation

Last month's precipitation was 123% of average. Total water-year-to-date precipitation is 102% of average.

## Reservoirs

Seminoe Reservoir storage is at 152% of average.

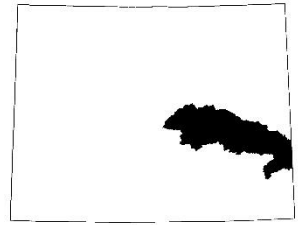
UPPER NORTH PLATTE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Seminoe	794.1	617.5	520.8	1016.7	78%	61%	51%	152%	119%
Basin-wide Total	794.1	617.5	520.8	1016.7	78%	61%	51%	152%	119%
# of reservoirs	1	1	1	1	1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the April through September period are mostly above average for the Upper North Platte River Basin. The yield for the North Platte River near Northgate will be around 92% of average. The Encampment River near Encampment yield will be about 112%. Rock Creek near Arlington yield will be around 119%. Seminoe Reservoir inflow should be about 112%. *See the following page for more detailed information on projected runoff.*

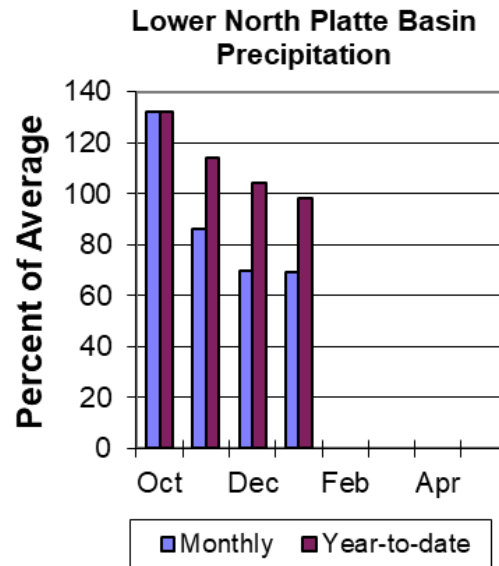
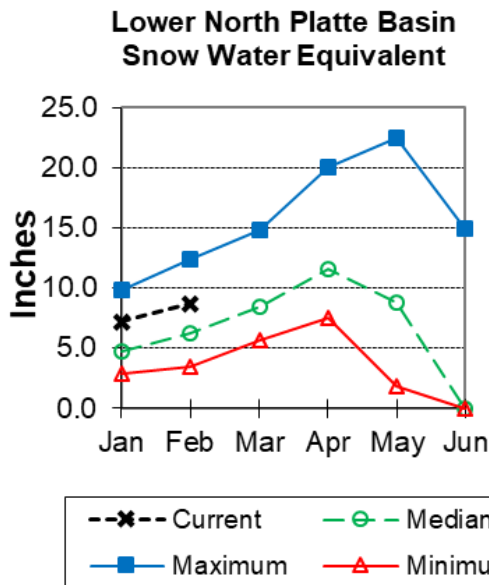
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
UPPER NORTH PLATTE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
North Platte R nr Northgate								
	APR-JUL	79	156	210	93%	260	340	225
	APR-SEP	89	173	230	92%	285	370	250
Encampment R nr Encampment <sup>2</sup>								
	APR-JUL	86	121	146	113%	170	205	129
	APR-SEP	93	130	155	112%	180	215	138
Rock Ck nr Arlington								
	APR-JUL	41	52	59	120%	66	77	49
	APR-SEP	43	54	62	119%	70	81	52
Sweetwater R nr Alcova								
	APR-JUL	1	13.8	28	47%	42	64	59
	APR-SEP	1	15.5	31	48%	46	69	64
Seminoe Reservoir Inflow								
	APR-JUL	420	650	805	113%	960	1190	715
	APR-SEP	465	700	865	112%	1030	1270	770
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

## Lower North Platte River Basin



### Snow

Lower North Platte River Basin SWE is 140% of median. Deer Creek and LaPrele Creek SWE is at 139%. SWE total for the entire North Platte River Basin above Torrington, WY is 112% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



### Precipitation

Last month's precipitation was 69% of average. The water year-to-date precipitation for the basin is currently 98% of average.

### Reservoirs

Combined storage for the 4 reservoirs in the basin is at 134% of average.

LOWER NORTH PLATTE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Alcova	157.0	157.2	155.0	184.3	85%	85%	84%	101%	101%
Glendo	324.2	302.2	301.5	506.4	64%	60%	60%	108%	100%
Guernsey	16.6	14.3	11.4	45.6	36%	31%	25%	146%	125%
Pathfinder	882.4	628.4	559.0	1016.5	87%	62%	55%	158%	112%
Basin-wide Total	1380.3	1102.1	1026.9	1752.8	79%	63%	59%	134%	107%
# of reservoirs	4	4	4	4	4	4	4	4	4

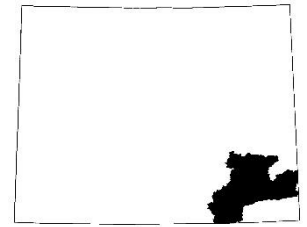
### Streamflow

The 50% exceedance forecasts for the April through September period will be above average. LaPrele Creek above LaPrele Reservoir is forecasted to yield 121% of average. North Platte River below Guernsey Reservoir to yield around 100% of average. *See the following for more detailed information on projected runoff.*



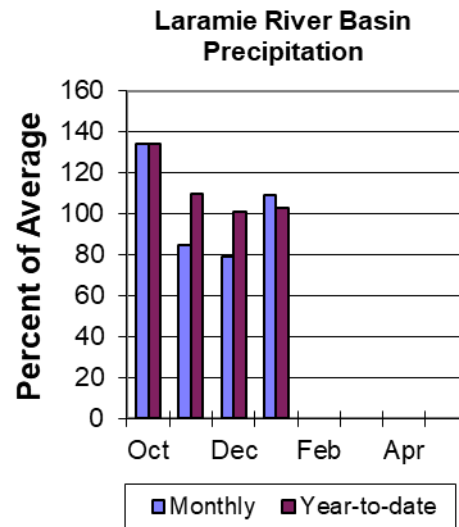
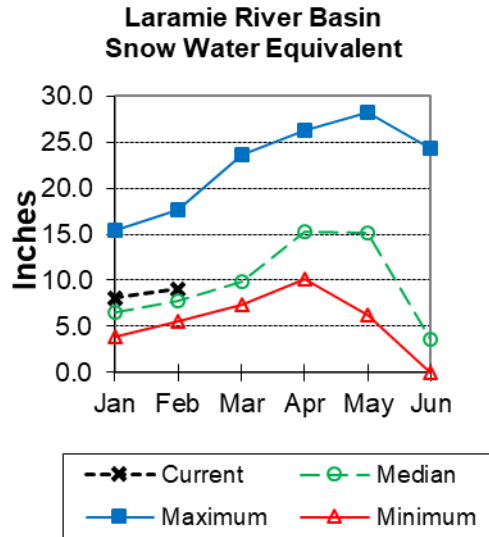
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
LOWER NORTH PLATTE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
La Prele Ck ab La Prele Reservoir								
	APR-JUL	5.8	16.4	24	121%	31	41	19.9
	APR-SEP	5.9	16.7	24	121%	31	42	19.9
North Platte R bl Glendo Reservoir								
	APR-JUL	285	600	815	99%	1030	1350	820
	APR-SEP	300	630	850	100%	1070	1400	850
North Platte R bl Guernsey Reservoir								
	APR-JUL	265	595	815	99%	1040	1370	820
	APR-SEP	285	620	850	100%	1080	1420	850
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Laramie River Basin



## Snow

SWE for the entire Laramie River Basin (above mouth entering North Platte) is 123% of median. SWE for the Laramie River above Laramie is 115% of median. SWE for the Little Laramie River is 128% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 109% of average. The water year-to-date precipitation for the basin is currently 103% of average.

## Reservoirs

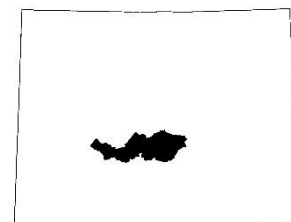
No reservoir data for this basin.

## Streamflow

The 50% exceedance forecasts for the April through September period at Laramie River near Woods Landing should yield around 94% of average. The Little Laramie near Filmore should produce about 129% of average.

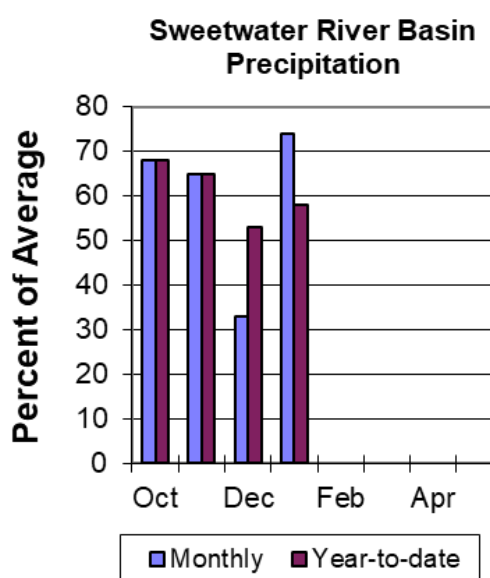
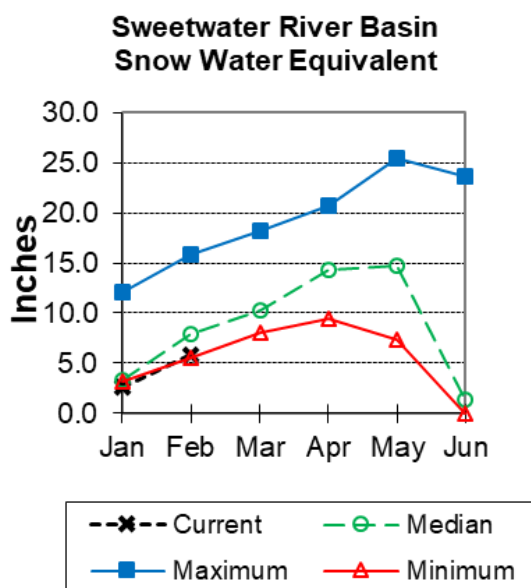
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
LARAMIE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Laramie R nr Woods								
	APR-JUL	49	84	108	94%	132	167	115
	APR-SEP	55	92	118	94%	144	181	126
Little Laramie R nr Filmore								
	APR-JUL	44	57	66	129%	75	88	51
	APR-SEP	48	62	71	129%	80	94	55
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Sweetwater River Basin



## Snow

Sweetwater River Basin SWE is at 74% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Last month's precipitation was 74% of average. The water year-to-date precipitation for the basin is currently 58% of average.

## Reservoirs

Pathfinder is storing at 158% of average for this time of year.

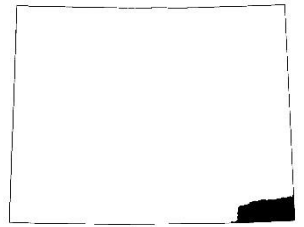
SWEETWATER RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Pathfinder	882.4	628.4	559.0	1016.5	87%	62%	55%	158%	112%
Basin-wide Total	882.4	628.4	559.0	1016.5	87%	62%	55%	158%	112%
# of reservoirs	1	1	1	1	1	1	1	1	1

## Streamflow

The following is the streamflow forecast for the April through September period. The Sweetwater River near Pathfinder will yield about 48% of average. *See below for detailed information on projected runoff.*

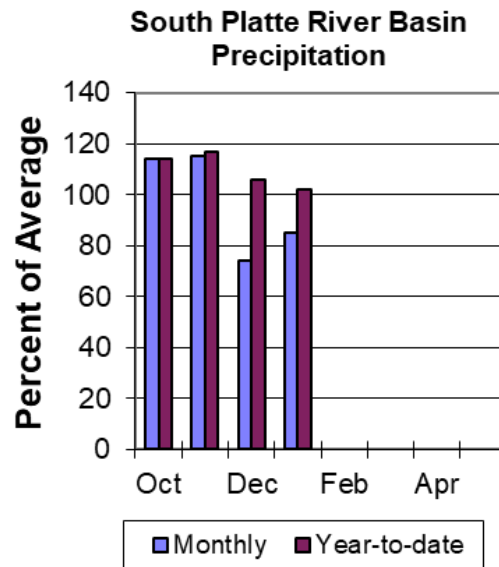
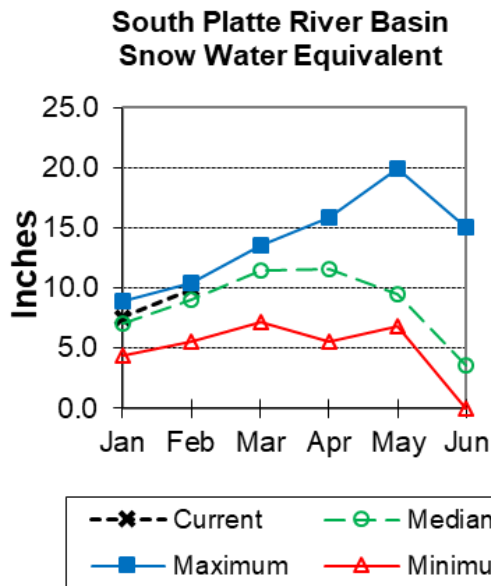
SWEETWATER RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Sweetwater R nr Alcova								
	APR-JUL	1	13.8	28	47%	42	64	59
	APR-SEP	1	15.5	31	48%	46	69	64
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

## South Platte River Basin (WY)



### Snow

South Platte River Basin SWE in WY is 110% 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 average. The water year-to-date precipitation for the basin is currently 102%.

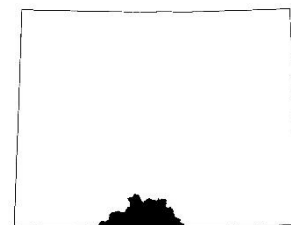
### Reservoirs

No reservoir data for the basin.

### Streamflow

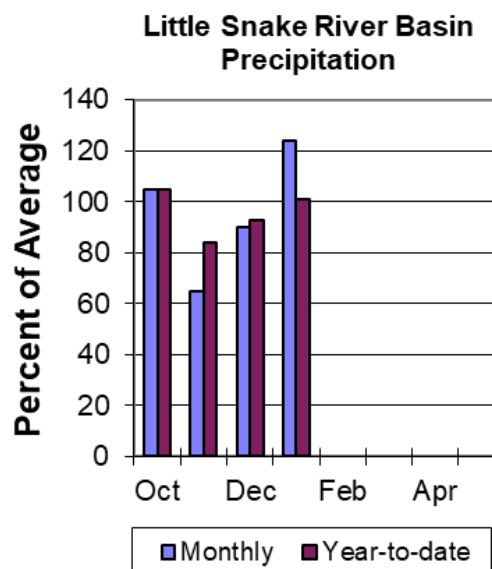
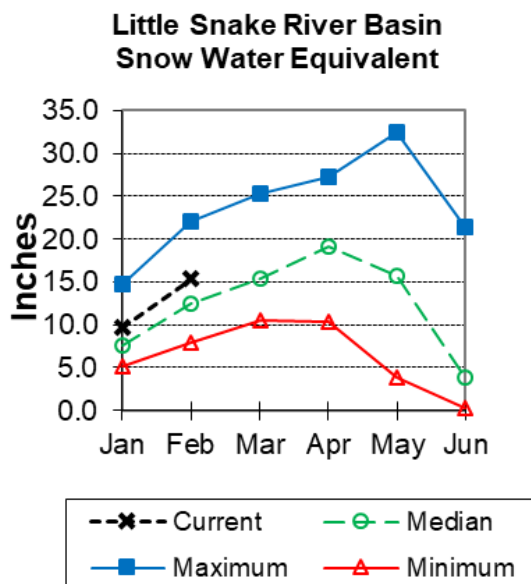
There are no streamflow forecast points for the basin.

# Little Snake River Basin



## Snow

Little Snake River drainage SWE is 123% of median. See *Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation across the basin was 124% of average. The Little Snake River Basin water-year-to-date precipitation is currently 101% of average.

## Reservoirs

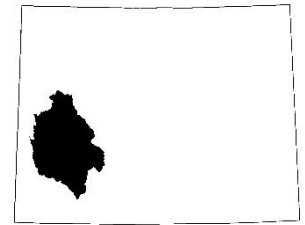
No reservoir data for the basin.

## Streamflow

The 50% exceedance forecasts for the April through July period will be slightly below average. The Little Snake River near Slater is forecasted to yield around 97% of average. See below for detailed information on projected runoff.

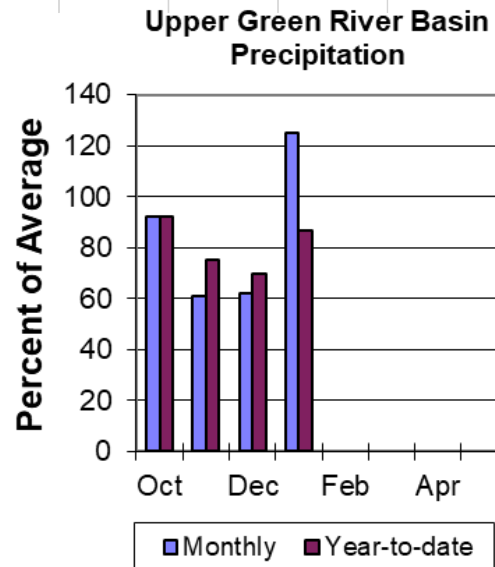
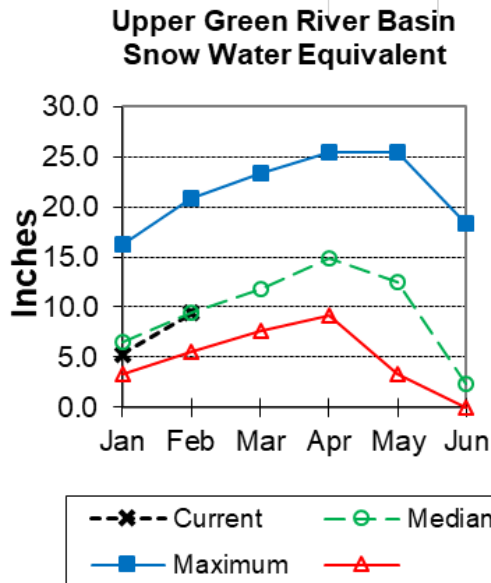
LITTLE SNAKE RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Little Snake R nr Slater <sup>2</sup>	APR-JUL	103	131	152	97%	175	210	156
Little Snake R nr Dixon <sup>2</sup>	APR-JUL	200	280	340	99%	405	515	345
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Upper Green River Basin



## Snow

The Upper Green River Basin SWE (above Fontenelle Reservoir) is 99% of median. Green River Basin above Warren Bridge SWE is 90% of median. West Side of Upper Green River Basin SWE is 111% of median. New Fork River SWE is 92% of median. Big Sandy-Eden Valley Basin SWE is 66% 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 125% of average last month. Water year-to-date precipitation is 87% of average.

## Reservoir

Combined water storage in the basin was at 119% of average for the 2 reservoirs.

UPPER GREEN RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Big Sandy	22.5	15.8	17.0	38.3	59%	41%	44%	133%	93%
Fontenelle	176.6	149.6	150.1	344.8	51%	43%	44%	118%	100%
Basin-wide Total	199.2	165.4	167.1	383.1	52%	43%	44%	119%	99%
# of reservoirs	2	2	2	2	2	2	2	2	2

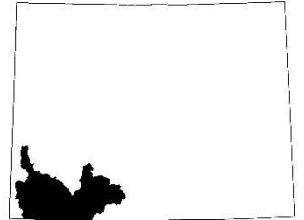
## Streamflow

The 50% exceedance forecasts for the April through July period will be below average. The yield on the Green River at Warren Bridge is about 86% of average. New Fork River near Big Piney yield will be around 79% of average. Fontenelle Reservoir Inflow is estimated to be about 80% of average. *See the following for a more detailed forecast.*

UPPER GREEN RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Green R at Warren Bridge								
	APR-JUL	152	185	210	86%	235	280	245
Pine Creek ab Fremont Lake								
	APR-JUL	67	76	83	85%	90	100	98
New Fork R nr Big Piney								
	APR-JUL	155	225	280	79%	340	440	355
Fontenelle Reservoir Inflow								
	APR-JUL	310	460	580	80%	710	930	725
Big Sandy R nr Farson								
	APR-JUL	22	30	37	71%	44	56	52
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								



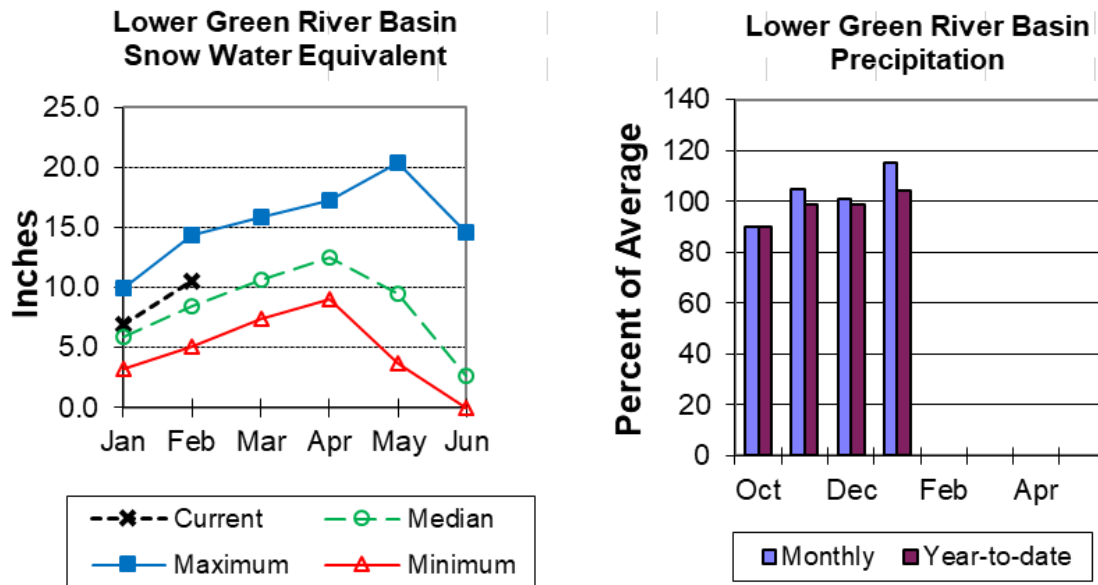
## Lower Green River Basin



### Snow

Lower Green River Basin SWE is at 123% of median. Hams Fork drainage SWE is 106% of median. Blacks Fork drainage SWE is 133% of median. Henrys Fork SWE is 192% of median. SWE for the entire Green River Basin (above Flaming Gorge) is at 107% 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 115% of average. The basin year-to-date precipitation is currently 104% of average.

### Reservoirs

Combined storage for the 3 reservoirs in the basin was at 108% of average at the end of last month.

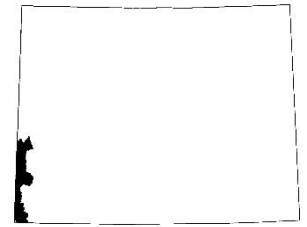
LOWER GREEN RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Fontenelle	176.6	149.6	150.1	344.8	51%	43%	44%	118%	100%
Flaming Gorge Reservoir	3273.6	3197.7	3049.0	3749.0	87%	85%	81%	107%	105%
Viva Naughton Res	30.4	27.6	30.1	42.4	72%	65%	71%	101%	92%
Basin-wide Total	3480.6	3374.9	3229.2	4136.2	84%	82%	78%	108%	105%
# of reservoirs	3	3	3	3	3	3	3	3	3

### Streamflow

The following are the 50% exceedance forecasts for the April through July period. The Green River near Green River will yield about 82% of average. The Flaming Gorge Reservoir inflow will be about 86% of average. *See the following page for more detailed information on projected runoff.*

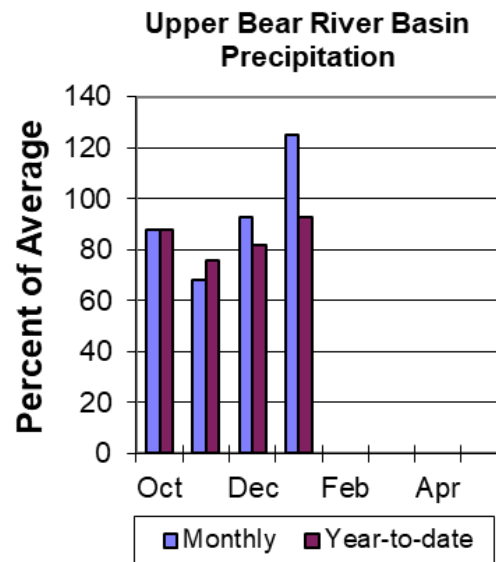
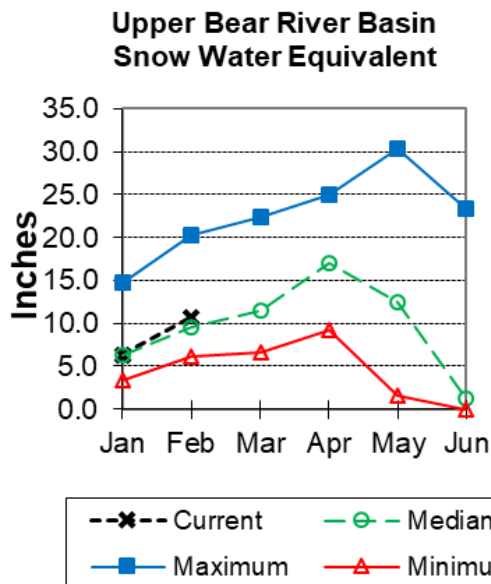
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
LOWER GREEN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Green R nr Green River, WY <sup>2</sup>								
	APR-JUL	315	470	595	82%	735	965	730
Blacks Fk nr Robertson								
	APR-JUL	66	86	100	116%	116	140	86
EF of Smiths Fork nr Robertson <sup>2</sup>								
	APR-JUL	19.1	25	29	107%	34	42	27
Hams Fk bl Pole Ck nr Frontier								
	APR-JUL	21	32	42	78%	53	71	54
Viva Naughton Reservoir Inflow								
	APR-JUL	24	41	56	76%	73	102	74
Flaming Gorge Reservoir Inflow <sup>2</sup>								
	APR-JUL	445	670	845	86%	1040	1370	980
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

# Upper Bear River Basin



## Snow

SWE in the Upper Bear River Basin of Utah is 106% of median. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is 112% of median. Bear River Basin SWE, above the Idaho State line, is 106% of median. *See Appendix at the end of this report for a detailed listing of snow course information.*



## Precipitation

Precipitation for last month was 125% of average in the basin. The year-to-date precipitation for the basin is 93% of average.

## Reservoirs

Storage in Woodruff Narrows Reservoir was at 174% of average for the end of last month.

UPPER BEAR RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Woodruff Narrows Reservoir	50.6	20.7	29.0	57.3	88%	36%	51%	174%	71%
Basin-wide Total	50.6	20.7	29.0	57.3	88%	36%	51%	174%	71%
# of reservoirs	1	1	1	1	1	1	1	1	1

## Streamflow

The 50% exceedance forecasts for the April through September period will be average. The Bear River above Reservoir near Woodruff to yield around 103% of average. The Smiths Fork River near Border Jct. will yield around 100%. *See below for detailed information on projected runoff.*

		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
UPPER BEAR RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bear R nr UT-WY State Line								
	APR-JUL	74	98	115	103%	131	155	112
	APR-SEP	82	108	126	102%	144	171	123
Bear R ab Resv nr Woodruff								
	APR-JUL	38	90	125	103%	161	215	121
	APR-SEP	37	94	132	103%	171	230	128
Smiths Fk nr Border								
	APR-JUL	60	77	89	100%	101	119	89
	APR-SEP	70	90	104	100%	118	138	104
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								

### **Appendix - Snowpack Data**

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



BSnow\_2\_2020.pdf

### **Appendix - Precipitation Data**

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



BPrecip\_2\_2020.pdf

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**The Following Agencies and Organizations Cooperate with the Natural Resources Conservation Service on the Snow Survey Work.**

**FEDERAL:**

United States Department of the Interior (National Park Service) United States Department of Agriculture  
(Forest Service)

United States Department of the Interior (Bureau of Reclamation)

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

The City of Rawlins