



United States
Department of
Agriculture

Wyoming Basin Outlook Report

Mar 1, 2016

**Natural
Resources
Conservation
Service**



Deer Park SNOTEL #923 (Shoshone Forest above Lander, WY) ID O8G10S

Basin Outlook Reports

And

Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management 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.

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Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is below median for Mar. 1st at 87%. Monthly precipitation for the basins was 51-142% of average for an overall average of 89%. The year-to-date precipitation average for Wyoming basins is now at 83% varying from 56-110% of average. Forecasted runoff varies from 36-102% of average across the Wyoming basins for an overall average of 81%. Basin reservoir levels for Wyoming vary from 58-190% of average for an overall average of 120%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below median for March 1st at 87%. SWE in the Tongue River Basin of Wyoming is the lowest basin at 62% of median. While SWE in the Laramie River Basin is at 102% for the highest basin. *See Appendix A for further information.*

Precipitation

Last month's precipitation was slightly below average across the Wyoming Mountains at 89% of average. The Cheyenne River Basin had the highest precipitation for the month at 142% of average. The Little Snake River Basin had the lowest precipitation amount at 51% of average. The following table displays the major river basins and their departure from average for last month.

Basin	Departure from average	Basin	Departure from average
Snake River	-25%	Upper North Platte River	-36%
Madison-Gallatin	-45%	Sweetwater River	-20%
Yellowstone River	-18%	Lower North Platte River	-20%
Wind River	-05%	Laramie River	-12%
Bighorn River	-02%	South Platte River	-21%
Shoshone River	+02%	Little Snake River	-49%
Powder River	-06%	Upper Green River	-11%
Tongue River	+06%	Lower Green River	-39%
Belle Fourche River	+38%	Upper Bear River	-34%
Cheyenne River	+42%		

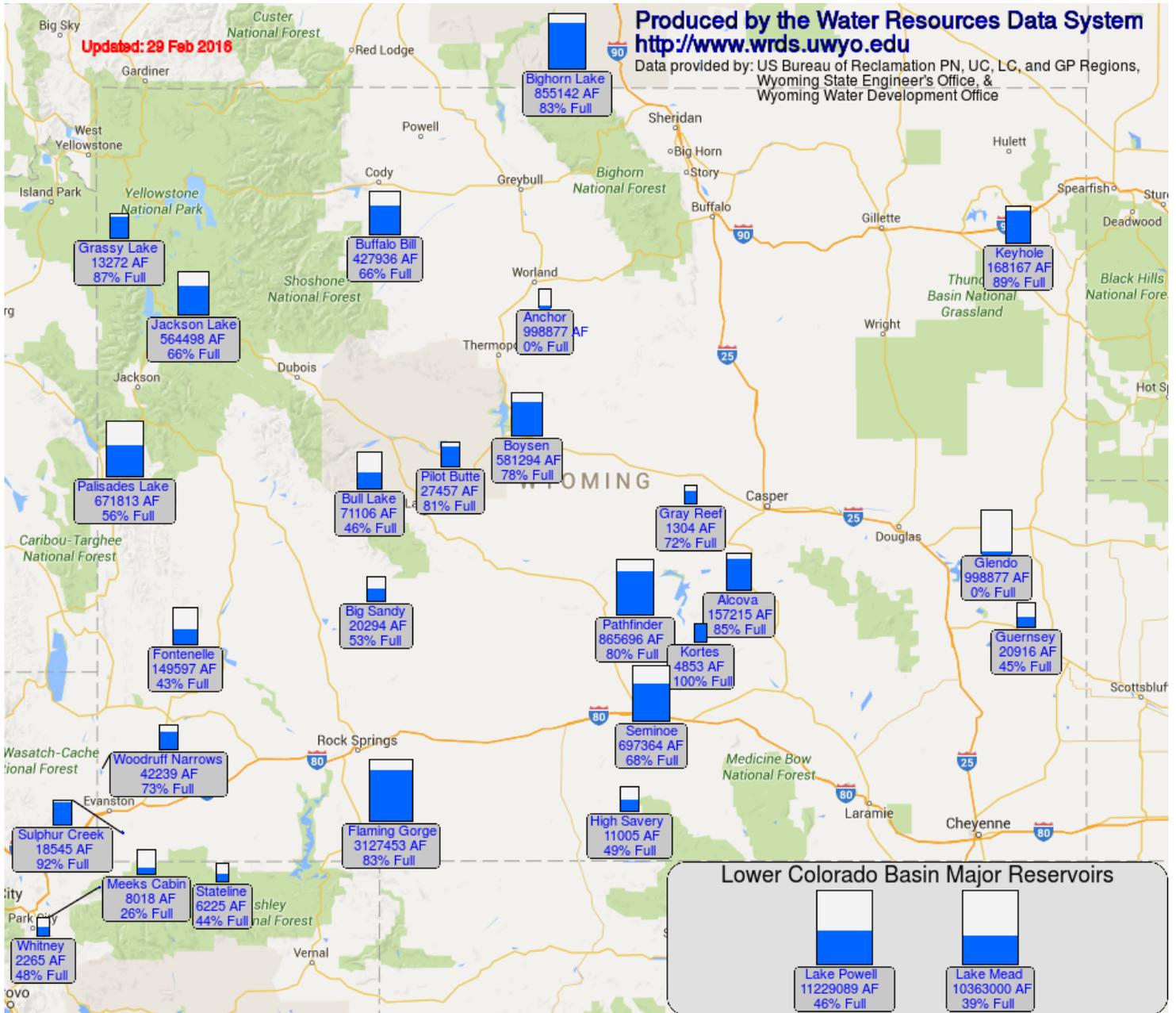
See Appendix B for further information.

Reservoirs

Reservoir storage is above average at 120% for the entire state. Reservoirs in the Snake River Basin are about average at 106%. Reservoirs in the Madison-Gallatin Basin are above average at 111%. Reservoirs in the Wind River Basin are above average at 107%. Reservoirs on the Big Horn are above average at 107%. The Buffalo Bill Reservoir on the Shoshone is above average at 122%. The Tongue River Basin Reservoir is above average at 192%. Reservoirs in the Belle Fourche and Cheyenne River Basins are above average in storage at 142 & 119% respectively. Reservoirs on the Upper and Lower North Platte River are above average at 141% and 124% respectively. Reservoirs on the Laramie and Little Snake River basins are at 133% and 92% respectively. Reservoirs on the Upper Green River are above average at 116%. Reservoirs on the Lower Green River Basin are above average at 104%. Reservoir on the Upper Bear River Basin is above average at 134%. *See Appendix D for further information.*

WYOMING	Current (KAF)	Last Year	Average (KAF)	Capacity (KAF)	Current %	Last Year %	Average %	Current %	Last Year %
Alcova	156.6	156.4	155.0	184.3	85%	85%	84%	101%	101%
Bighorn Lake	852.7	877.5	825.9	1356.0	63%	65%	61%	103%	106%
Big Sandy	19.0	20.8	17.0	38.3	50%	54%	44%	112%	122%
Boysen	545.7	630.5	506.0	596.0	92%	106%	85%	108%	125%
Buffalo Bill	426.6	463.5	353.8	646.6	66%	72%	55%	121%	131%
Bull Lake	70.6	105.2	75.4	151.8	47%	69%	50%	94%	140%
Fontenelle	170.3	233.1	150.1	344.8	49%	68%	44%	113%	155%
Glendo	271.1	222.5	301.5	506.4	54%	44%	60%	90%	74%
Grassy Lake	13.1	12.7	11.9	15.2	86%	84%	78%	110%	107%
Guernsey	18.1	22.4	11.4	45.6	40%	49%	25%	159%	196%
High Savery Reservoir	10.8	13.9	11.9	22.4	48%	62%	53%	91%	117%
Jackson Lake	563.6	649.4	431.2	847.0	67%	77%	51%	131%	151%
Kendrick Project		726.0		1201.7		60%			
Keyhole	166.7	171.7	87.9	193.8	86%	89%	45%	190%	195%
Meeks Cabin	6.9	22.5	11.9	32.5	21%	69%	37%	58%	189%
North Platte Project		744.0		1062.1		70%			
Pathfinder	847.5	688.6	559.0	1016.5	83%	68%	55%	152%	123%
Pilot Butte	24.9	23.1	23.2	31.6	79%	73%	73%	107%	100%
Seminole	712.5	708.6	520.8	1016.7	70%	70%	51%	137%	136%
Viva Naughton Res	30.2	31.1	30.1	42.4	71%	73%	71%	100%	103%
Wheatland #2	52.2	68.7	40.9	98.9	53%	69%	41%	128%	168%
Woodruff Narrows	41.1	40.4	29.0	57.3	72%	71%	51%	142%	139%
Basin-wide Total	5000.2	5162.7	4153.9	7244.1	69%	71%	57%	120%	124%
# of reservoirs	20	20	20	20	20	20	20	20	20

Wyoming Reservoir Levels for February 29th, 2016



Streams

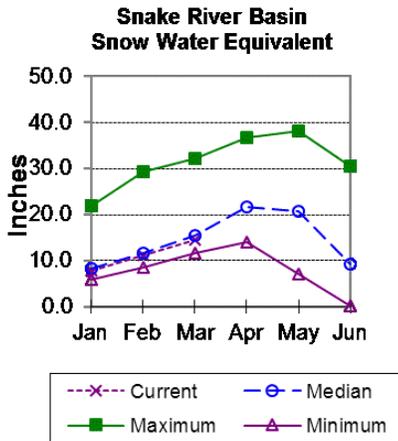
Stream flow yields for April thru September are below average over Wyoming at 80%. The Snake River, Madison, and Upper Yellowstone River Basins should yield about 90%, 82% and 93% of average, respectively. Yields from the Wind and Bighorn River Basins should be about 64% and 60% of average, respectively. Yields from the Shoshone and Clarks Fork River Basins of Wyoming should be about 95% and 93% of average, respectively. Yields from the Powder & Tongue River Basins should be about 48% and 58% of average, respectively. Yield for the Cheyenne River Basin should be about 82% of average. Yields for the Upper North Platte, Sweetwater, Lower North Platte, and Laramie Rivers of Wyoming should be about 79%, 38%, 72%, and 81% of average, respectively. Yields for the Little Snake, Green River, and Smith's Fork of Wyoming should be 65%, 70%, and 102% of average respectively.

See Appendix C for further information.

Snake River Basin

Snow

The Snake River Basin SWE above Palisades is 93% of median. SWE in the Snake River Basin above Jackson Lake is 91% of median. Pacific Creek Basin SWE is 98% of median. Buffalo Fork SWE is 102% of median. Gros Ventre River Basin SWE is 92% of median. SWE in the Hoback River drainage is 91% of median. SWE in the Greys River drainage is 104% of median. In the Salt River Basin SWE is 95% of median. *See Appendix A 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 75% of average (73% last year). Percentages range from 46-122% of average for the 29 reporting stations. Water-year-to-date precipitation is 93% of average for the Snake River Basin (93% last year). Year-to-date percentages range from 79-118% of average.

Reservoirs

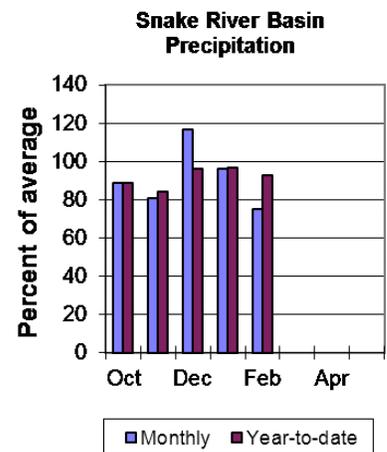
Current reservoir storage is 106% of average for the three storage reservoirs in the basin. Grassy Lake storage is about 110% of average (13,300 ac-ft compared to 12,900 last year). Jackson Lake storage is 130% of

average (564,700 ac-ft compared to 646,200 ac-ft last year). Palisades Reservoir storage is about 94% of average (874,500 ac-ft compared to 1,183,600 ac-ft last year).

Detailed reservoir data shown on the following page and in Appendix D.

Streamflow

The 50% exceedance forecasts for April through September are below average for this basin. The Snake near Moran yield is 750,000 ac-ft (89% of average). Snake River above Reservoir near Alpine will yield about 2,130,000 ac-ft (85% of average). The Snake near Irwin will yield about 3,040,000 ac-ft (87% of average). The Snake near Heise yield will be about 3,300,000 ac-ft (87% of average). Pacific Creek near Moran Yield will be around 148,000 ac-ft (86% of average). Buffalo Fork above Lava near Moran yield will be around 290,000 ac-ft (91% of average). Greys River above Palisades Reservoir yield will be around 325,000 ac-ft (90% of average). Salt River near Etna yield will be around 305,000 ac-ft (82% of average). *See the following page for further information.*



Snake River Basin Streamflow Forecasts - March 1, 2016

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 ²	APR-JUL	520	615	680	89%	745	835	765
	APR-SEP	570	675	750	89%	820	930	845
Snake R ab Reservoir nr Alpine ²	APR-JUL	1420	1680	1850	85%	2020	2270	2170
	APR-SEP	1630	1930	2130	85%	2330	2630	2500
Snake R nr Irwin ²	APR-JUL	1960	2350	2610	87%	2880	3260	3010
	APR-SEP	2280	2730	3040	87%	3350	3800	3500
Snake R nr Heise ²	APR-JUL	2120	2530	2810	87%	3090	3500	3240
	APR-SEP	2480	2960	3300	87%	3630	4120	3780
Pacific Ck at Moran	APR-JUL	93	121	140	85%	159	187	164
	APR-SEP	100	129	148	86%	168	197	173
Buffalo Fk ab Lava Ck nr Moran	APR-JUL	189	230	255	91%	285	320	280
	APR-SEP	210	255	290	91%	320	370	320
Greys R ab Reservoir nr Alpine	APR-JUL	215	250	280	92%	305	345	305
	APR-SEP	250	295	325	90%	360	405	360
Salt R ab Reservoir nr Etna	APR-JUL	134	200	245	82%	290	355	300
	APR-SEP	177	255	305	82%	355	435	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

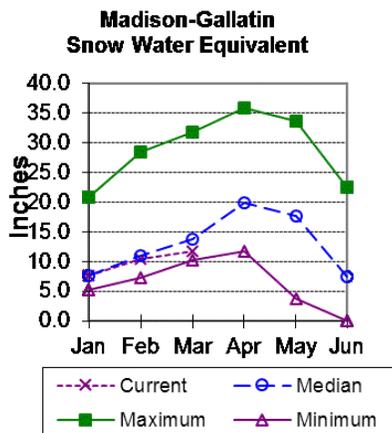
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Grassy Lake	13.3	12.9	12.1	15.2
Jackson Lake	564.7	646.2	434.7	847.0
Palisades Reservoir	874.5	1183.6	925.7	1400.0
Basin-wide Total	1452.5	1842.8	1372.5	2262.2
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
SNAKE above Jackson Lake	9	91%	91%
PACIFIC CREEK	3	98%	103%
BUFFALO FORK	3	102%	116%
GROS VENTRE RIVER	4	92%	113%
HOBACK RIVER	5	91%	110%
GREYS RIVER	5	104%	113%
SALT RIVER	5	95%	96%
SNAKE RIVER BASIN	31	93%	100%

Madison-Gallatin Rivers Basin

Snow

SWE is 85% of median in the Madison-Gallatin drainage. *See Appendix A at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month precipitation in the Madison-Gallatin drainage was 55% of average (39% last year). The six reporting stations percentages range from 48-64% of average. Water-year-to-date precipitation is about 84% of average, which was 73% last year. Year to date percentage ranges from 67-82%.

Reservoirs

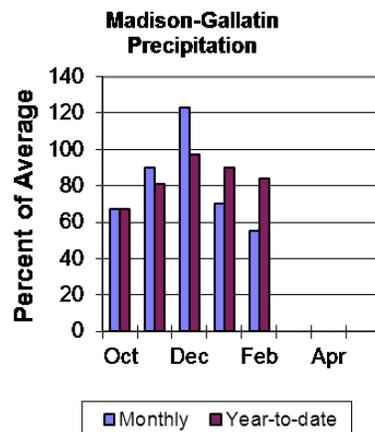
Ennis Lake is storing about 28,900 ac-ft of water (70% of capacity, 97% of average or 95% last year). Hebgen Lake is storing about 302,300 ac-ft of water (80%

of capacity, 110 of average or 113% last year). *Detailed reservoir data shown below & in Appendix D.*

Streamflow

The 50% exceedance forecast for April through September is below average for the basin. Hebgen Reservoir inflow is 385,000 ac-ft (82% of average). *See below for detailed runoff volumes.*

Data Current as of: 3/4/2016 11:38:52 AM



Madison-Gallatin River Basins Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

MADISON-GALLATIN RIVER BASINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Reservoir Inflow	APR-JUL	235	275	305	82%	330	370	370
	APR-SEP	310	355	385	82%	420	465	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

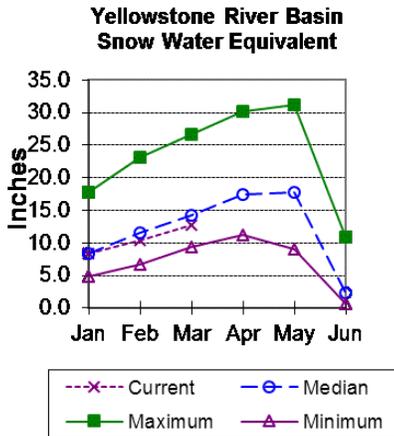
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Ennis Lake	28.9	28.2	29.8	41.0
Hebgen Lake	302.3	310.3	274.6	378.8
Basin-wide Total	331.1	338.5	304.4	419.8
# of reservoirs	2	2	2	2

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
MADISON-GALLATIN RIVER BASINS	8	85%	78%

Yellowstone River Basin

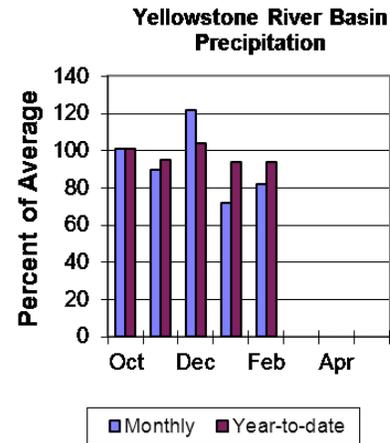
Snow

SWE in the Yellowstone River Basin is 89% of median. SWE in the Yellowstone River Drainage in WY is 89% of median. SWE in the Clarks Fork Drainage of the Yellowstone River Basin in Wyoming is 91% of median. *See Appendix A 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 82% of average (85% last year). The 17 reporting stations percentages range from 14-131% of average. Water-year-to-date precipitation is 94% of average, which was 102% last year. Year to date percentages range from 74-136%.



Reservoirs

No reservoir data

Streamflow

The 50% exceedance forecasts for June through September are slightly below average for the basin. Yellowstone at Lake Outlet will yield around 685,000 ac-ft (89% of average). Yellowstone at Corwin Springs will yield around 1,720,000 ac-ft (91% of average). Yellowstone near Livingston will yield around 1,970,000 ac-ft (92% of average). Clarks Fork of the Yellowstone near Belfry will yield around 500,000 ac-ft (91% of average). *See the following for further information.*

Data Current as of: 3/4/2016 11:38:54 AM

Yellowstone River Basin Streamflow Forecasts - March 1, 2016

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-SEP	530	620	680	88%	740	830	770
	APR-JUL	395	465	510	89%	555	625	575
Yellowstone R at Corwin Springs	APR-SEP	1330	1550	1700	90%	1860	2080	1880
	APR-JUL	1150	1340	1460	92%	1580	1770	1590
Yellowstone R at Livingston	APR-SEP	1480	1760	1940	91%	2130	2410	2140
	APR-JUL	1280	1510	1670	93%	1820	2050	1800
Clarks Fk Yellowstone R nr Belfry ²	APR-SEP	400	465	510	93%	555	620	550
	APR-JUL	370	430	470	92%	510	570	510

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

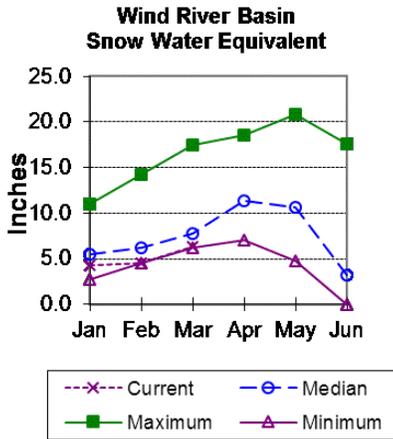
3) Median value used in place of average

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
YELLOWSTONE RIVER in WY	10	89%	95%
CLARKS FORK in WY	8	91%	113%

Wind River Basin

Snow

Wind River Basin above Boysen Reservoir SWE is 82% of median. SWE in the Wind River above Dubois is 86% of median. Little Wind SWE is 74% of median, and Popo Agie drainage SWE is 77% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



Precipitation

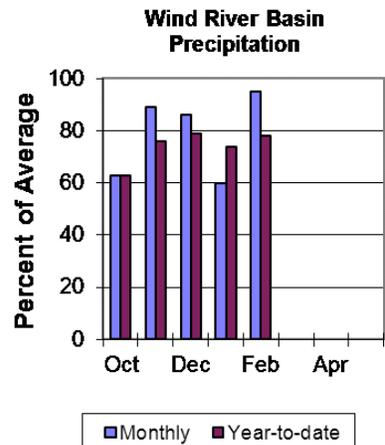
Last month's basin's precipitation varied from 11-125% of average. Precipitation for the basin was 95% of average (102% last year) from the 11 reporting stations. Water year-to-date precipitation is 78% of average and was 88% last year at this time. Year-to-date percentages range from 63-101% of average.

Reservoirs

Current storage in Bull Lake is 70,400 ac-ft (93% of average) (140% last year). Boysen Reservoir is storing (541,200 ac-ft) about 109% of average 126% last year). Pilot Butte is at 106% of average (24,800 ac-ft) (99% last year). *Detailed reservoir data shown on the following page and in Appendix D.*

Streamflow

The 50% exceedance forecasts for the April through September runoff period are below average. Dinwoody Creek near Burris should yield around 89,000 ac-ft (97% of average). The Wind River above Bull Lake Creek will yield around 400,000 ac-ft (82% of average). Bull Lake Creek near Lenore will yield around 141,000 ac-ft (83% of average). Wind River at Riverton will yield around 450,000 ac-ft (82% of average). Little Popo Agie River near Lander should yield around 25,000 ac-ft (60% of average). South Fork of Little Wind near Fort Washakie will yield around ac-ft (% of average). Little Wind River near Riverton will yield around 170,000 ac-ft (58% of average). Boysen Reservoir inflow will yield around 425,000 ac-ft (64% of average). *See the following page for detailed runoff volumes.*



Wind River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

WIND RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Dinwoody Ck nr Burris	APR-SEP	72	82	89	97%	96	106	92
	APR-JUL	50	58	63	95%	68	76	66
Wind R Ab Bull Lake Ck	APR-SEP	270	350	400	82%	450	530	490
	APR-JUL	270	335	380	84%	425	490	455
Bull Lake Ck nr Lenore	APR-SEP	103	125	141	83%	157	179	169
	APR-JUL	85	104	116	83%	128	147	139
Wind R at Riverton	APR-SEP	260	375	450	82%	525	640	550
	APR-JUL	225	320	385	81%	450	545	475
Little Popo Agie R nr Lander	APR-JUL	9.9	18.9	25	60%	31	40	42
	APR-SEP	13.8	23	30	61%	37	46	49
Little Wind R nr Riverton	APR-JUL	27	104	156	58%	210	285	270
	APR-SEP	29	113	170	58%	225	310	295
Boysen Reservoir Inflow	APR-JUL	14.9	245	400	66%	555	785	610
	APR-SEP	15	250	425	64%	600	855	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

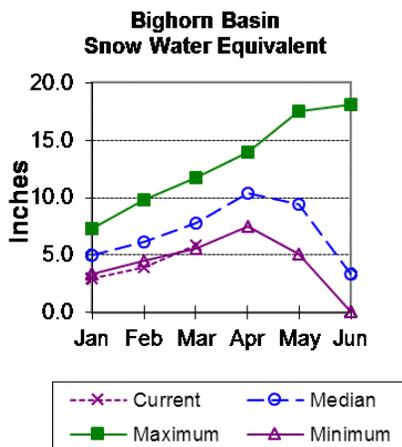
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Bull Lake	70.4	105.2	75.4	151.8
Boysen	541.2	627.1	495.8	596.0
Pilot Butte	24.8	23.1	23.3	31.6
Basin-wide Total	636.4	755.4	594.5	779.4
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
WIND above Dubois	6	86%	124%
LITTLE WIND	2	74%	75%
POPO AGIE	7	77%	76%
WIND RIVER BASIN	17	82%	99%

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is 75% of median. The Nowood River is at 72% of median. The Greybull River SWE is at 94% of median. Shell Creek SWE is at 73% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 98% of average (141% last year). Sites ranged from 0-138% of average for the month. Year-to-date precipitation is 71% of average (102% last year). Year-to-date percentages, from the 19 reporting stations, range from 68-155%.

Reservoirs

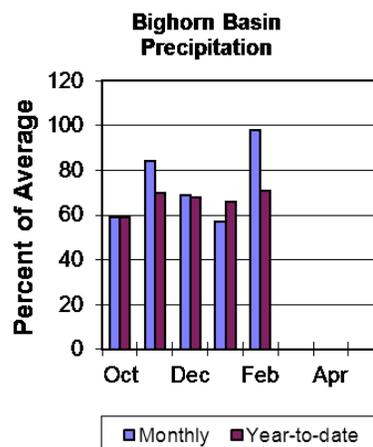
Boysen Reservoir is currently storing 541,200 ac-ft (109% of average). Bighorn Lake is now at 836,500 ac-ft (105% of average). Boysen was at 126% of average last year

at this time and Big Horn Lake was at 111% last year.

Detailed reservoir data shown below and in Appendix D.

Streamflow

The 50% exceedance forecasts for the June through September runoffs are below average. Boysen Reservoir inflow should yield 425,000 ac-ft (64% of average); the Greybull River near Meeteetse should yield around 155,000 ac-ft (88% of average); Shell Creek near Shell should yield around 50,000 ac-ft (76% of average) and the Bighorn River at Kane should yield around 545,000 ac-ft (60% of average). *See the following for detailed runoff volumes.*



**Bighorn River Basin
Streamflow Forecasts - March 1, 2016**

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

BIGHORN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Boysen Reservoir Inflow	APR-JUL	14.9	245	400	66%	555	785	610
	APR-SEP	15	250	425	64%	600	855	665
Greybull R nr Meeteetse	APR-JUL	79	101	116	89%	131	153	131
	APR-SEP	107	136	155	88%	174	205	177
Shell Ck nr Shell	APR-JUL	25	34	40	73%	46	55	55
	APR-SEP	33	43	50	76%	57	67	66
Bighorn R at Kane	APR-JUL	17.1	325	535	64%	750	1060	840
	APR-SEP	15	315	545	60%	775	1110	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

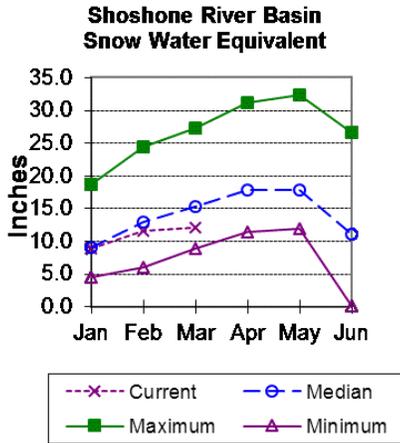
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Boysen	541.2	627.1	495.8	596.0
Bighorn Lake	836.5	887.7	797.1	1356.0
Basin-wide Total	1377.7	1514.8	1292.9	1952.0
# of reservoirs	2	2	2	2

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
NOWOOD RIVER	7	72%	127%
GREYBULL RIVER	2	94%	131%
SHELL CREEK	4	73%	101%
BIGHORN RIVER BASIN	14	75%	115%

Shoshone River Basin

Snow

Snowpack in this basin is below median for this time of year. Snow Water Equivalent (SWE) is 93% of median in the Shoshone River Basin. *See Appendix A at the end of this report for a detailed listing of snow course information.*



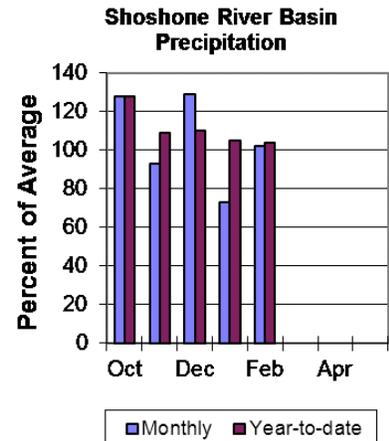
Precipitation

Precipitation for last month was 102% of average (99% last year). Monthly percentages range from 0-120% of average. The basin year-to-date precipitation is now 104% of average (105% last year). Year-to-date percentages range from 80-143% of average for the nine reporting stations.

Reservoirs

Current storage in Buffalo Bill Reservoir is about 122% of average (132% last year) - the reservoir is at about 66% of capacity. Currently, about 428,100 ac-ft are stored in the

reservoir compared to 462,300 ac-ft last year. *Detailed reservoir data shown on the following page and in Appendix D.*



Streamflow

The 50% exceedance forecasts for the April through September period are below average for the basin. The North Fork Shoshone River at Wapiti will yield around 475,000 ac-ft (92% of average). The South Fork of the Shoshone River near Valley will yield around 235,000 ac-ft (96% of average), and the South Fork above Buffalo Bill Reservoir runoff will yield around 190,000 ac-ft (95% of average). The Buffalo Bill Reservoir inflow will yield around 705,000 ac-ft (95% of average). *See the following for detailed runoff volumes.*

Data Current as of: 3/4/2016 11:38:57 AM

Shoshone River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

SHOSHONE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
NF Shoshone R at Wapiti	APR-JUL	325	385	425	92%	465	525	460
	APR-SEP	365	430	475	92%	520	585	515
SF Shoshone R nr Valley	APR-JUL	159	186	205	95%	225	250	215
	APR-SEP	183	215	235	96%	255	285	245
SF Shoshone R ab Buffalo Bill Reservoir	APR-JUL	111	155	185	96%	215	260	193
	APR-SEP	112	158	190	95%	220	270	200
Buffalo Bill Reservoir Inflow ²	APR-JUL	485	580	645	95%	705	800	675
	APR-SEP	530	635	705	95%	780	885	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

Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Buffalo Bill	428.1	462.3	350.7	646.6
Basin-wide Total	428.1	462.3	350.7	646.6
# of reservoirs	1	1	1	1

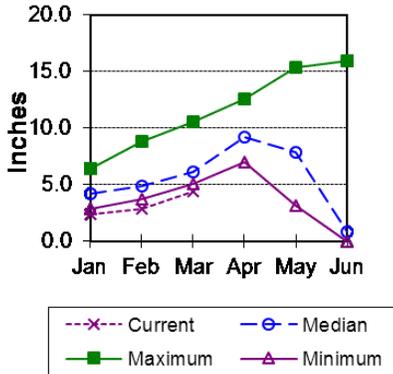
Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
SHOSHONE RIVER BASIN	4	93%	103%

Powder River Basin

Snow

Powder River SWE is 72% of median. Upper Powder River drainage is 73% of median. SWE in the Clear Creek drainage is 72% of median. Crazy Woman Creek drainage SWE is at 68% of median. See *Appendix A at the end of this report for a detailed listing of snow course information.*

**Powder River Basin
Snow Water Equivalent**



Precipitation

Last month's precipitation was 94% of average (170% last year) for the nine reporting stations. Monthly percentages range from 47-153% of average. Year-to-date precipitation is 62% of average in the basin (104% last year). Precipitation for the year ranges from 46-92% of average.

Reservoirs

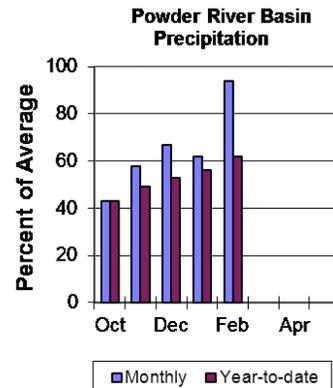
No reservoir data for the basin.

Streamflow

The 50% exceedance forecasts for the April

through September period are below average for the basin. The Middle Fork of the Powder River near Barnum should yield around 9,700 ac-ft (57% of average). The North Fork of the Powder River near Hazelton should yield around 7,100 ac-ft (72% of average). Rock Creek near Buffalo will yield about 15,700 ac-ft (71% of average), and Piney Creek at Kearny should yield about 25,000 ac-ft (53% of average). The Powder River at Moorhead will yield around 98,000 ac-ft (50% of average). The Powder River near Locate will yield around 105,000 ac-ft (48% of average). *See the following for detailed runoff volumes.*

Data Current as of: 3/4/2016 11:38:58 AM



**Powder River Basin
Streamflow Forecasts - March 1, 2016**

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	3.1	6.6	8.9	55%	11.2	14.7	16.1
	APR-SEP	3.6	7.2	9.7	57%	12.1	15.7	17
NF Powder R nr Hazelton	APR-JUL	3.3	5.2	6.5	71%	7.8	9.7	9.1
	APR-SEP	3.8	5.7	7.1	72%	8.5	10.4	9.9
Rock Ck nr Buffalo	APR-JUL	5.1	9.6	12.7	68%	15.8	20	18.6
	APR-SEP	7.5	12.4	15.7	71%	19	24	22
Piney Ck at Kearny	APR-JUL	1	13.1	23	52%	33	48	44
	APR-SEP	1	14.9	25	53%	35	50	47
Powder R at Moorehead	APR-JUL	1	35	82	46%	128	196	177
	APR-SEP	1	51	98	50%	146	215	196
Powder R nr Locate	APR-JUL	1	36	90	45%	145	225	199
	APR-SEP	1	47	105	48%	164	250	220

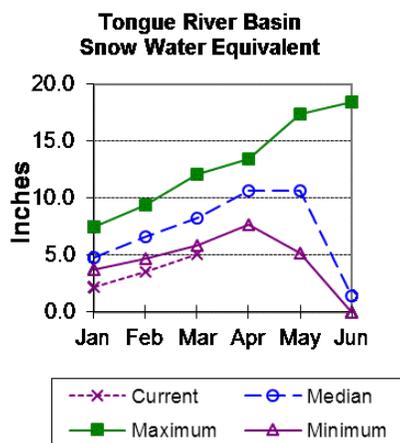
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
UPPER POWDER RIVER	5	73%	128%
CLEAR CREEK	4	72%	123%
CRAZY WOMAN CREEK	3	68%	131%
POWDER RIVER BASIN	9	72%	126%

Tongue River Basin

Snow

Upper Tongue River drainage SWE is at 62% of median. The Goose Creek drainage SWE is at 59% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*

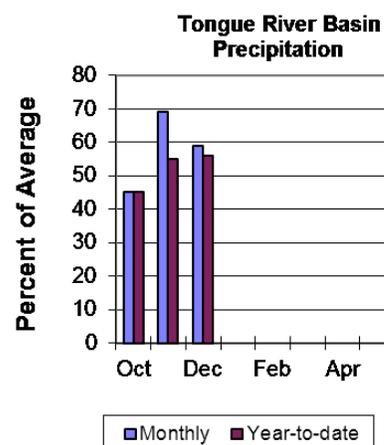


Precipitation

Last month's precipitation was 106% of average (162% last year) for the 12 reporting stations. Monthly percentages range from 64-260% of average. Year-to-date precipitation is 65% of average in the basin (103% last year). Precipitation for the year ranges from 46-107% of average.

Reservoirs

The Tongue River Reservoir currently is storing 54,300 ac-ft, while last year's storage was 52,100 ac-ft. The Tongue River Reservoir is at 192% of average for this time of year



or 69% of capacity. *Detailed reservoir data shown below and in Appendix D.*

Streamflow

The 50% exceedance forecasts for the April through September period are below average for the basin. The yield for Tongue River near Dayton will be around 57,000 ac-ft (58% of average). Big Goose Creek near Sheridan will yield around 35,000 ac-ft (65% of average). Little Goose Creek near Bighorn will yield around 25,000 ac-ft (64% of average). The Tongue River Reservoir Inflow will be around 125,000 ac-ft (58% of average). *See below for detailed runoff volumes.*

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Tongue River Basin Streamflow Forecasts - March 1, 2016

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	16.9	35	48	56%	61	79	86
	APR-SEP	23	43	57	58%	71	91	98
Big Goose Ck nr Sheridan	APR-JUL	7.5	19.1	27	59%	35	46	46
	APR-SEP	15.1	27	35	65%	43	55	54
Little Goose Ck nr Bighorn	APR-JUL	7	14.1	19	61%	24	31	31
	APR-SEP	11.9	19.7	25	64%	30	38	39
Tongue River Reservoir Inflow	APR-JUL	0.4	66	110	57%	154	220	193
	APR-SEP	9.3	78	125	58%	172	240	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

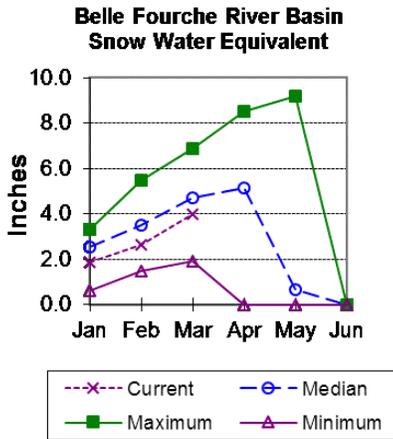
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Tongue River Res		52.1	28.2	79.1
Basin-wide Total		0.0	0.0	0.0
# of reservoirs	0	0	0	0

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
GOOSE CREEK	3	59%	105%
TONGUE RIVER BASIN	9	62%	107%

Belle Fourche River Basin

Snow

Belle Fourche River Basin SWE is at 84% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



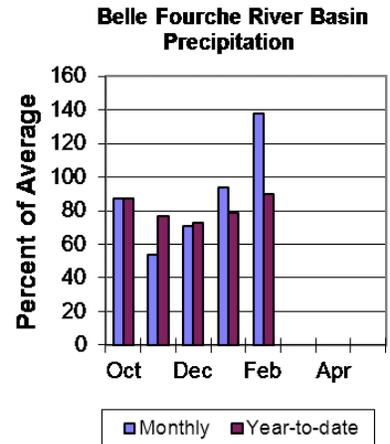
Precipitation

Precipitation for last month was 138% of average (84% last year) in the Black Hills for the four reporting stations. Year-to-date precipitation is 90% of average (93% last year).

Reservoirs

Belle Fourche Reservoir is storing 119% of average (141,900 ac-ft), about 80% of capacity. Keyhole Reservoir is storing 185% of average (168,100 ac-ft), about 87% of capacity. Shadehill Reservoir is

storing 117% of average (52,700 ac-ft), about 65% of capacity. *Detailed reservoir data shown below and in Appendix D.*



Streamflow

There are no streamflow forecast points for the basin.

Data Current as of: 3/4/2016 11:39:01 AM

Belle Fourche River Basin - March 1, 2016

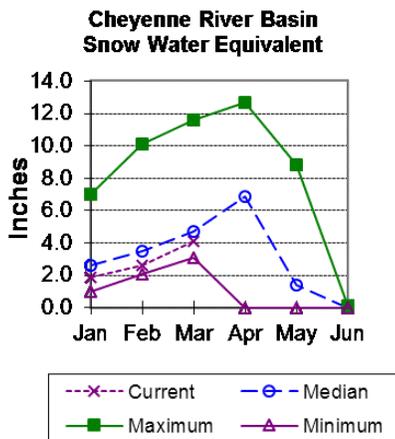
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Belle Fourche	141.9	143.4	119.4	178.4
Keyhole	168.1	173.0	90.6	193.8
Shadehill	52.7	59.3	45.1	81.4
Basin-wide Total	362.6	375.7	255.1	453.6
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
BELLE FOURCHE RIVER BASIN	6	84%	88%

Cheyenne River Basin

Snow

Cheyenne River Basin SWE is at 87% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



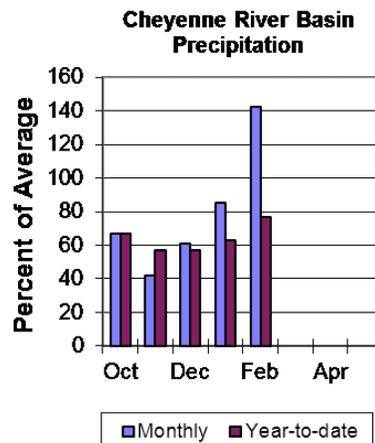
Precipitation

Precipitation for last month was 142% of average (65% last year) in the Black Hills. There were three reporting stations. Year-to-date precipitation is 77% of average (86% last year).

Reservoirs

Angostura is currently storing 123% of average (108,100 ac-ft), about 89% of capacity. Deerfield reservoir is storing 101% of average (14,100 ac-ft), about 93% of capacity. Pactola Reservoir is

storing 115% of average (52,500 ac-ft), about 95% of capacity. *Detailed reservoir data shown below and in Appendix D.*



Streamflow

The following runoff values are the 50% exceedance forecasts for the March through July period. The Deerfield Reservoir Inflow yield is around 5,500 ac-ft (89% of average). Pactola Reservoir Inflow yield is around 19,100 ac-ft (76% of average). *See the following for detailed runoff volumes.*

Data Current as of: 3/4/2016 11:39:02 AM

Cheyenne River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

CHEYENNE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Deerfield Reservoir Inflow	MAR-JUL	1.68	4	5.5	89%	7	9.3	6.2
	APR-JUL	2.2	3.4	4.4	85%	5.5	7.3	5.2
Pactola Reservoir Inflow	MAR-JUL	1.28	11.9	19.1	76%	26	37	25
	APR-JUL	6.2	11.7	16.4	75%	22	31	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

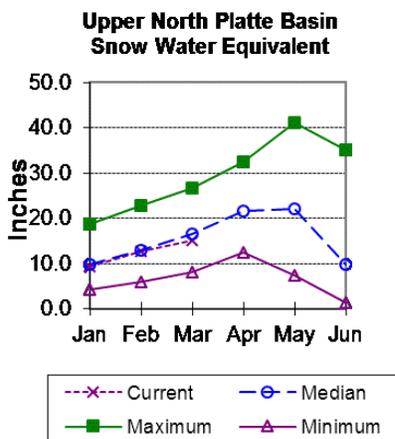
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Angostura	108.1	107.4	87.6	122.1
Deerfield	14.1	15.3	13.9	15.2
Pactola	52.5	51.9	45.6	55.0
Basin-wide Total	174.7	174.6	147.1	192.3
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
CHEYENNE RIVER BASIN	7	87%	98%

Upper North Platte River Basin

Snow

The Upper North Platte River Basin above Seminoe Reservoir SWE is 91% of median. North Platte above Northgate SWE is 88% of median. Encampment River SWE is 91% of median. Brush Creek SWE is 95% of median. Medicine Bow and Rock Creek SWE are 88% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



Precipitation

Eighteen reporting stations show last month's precipitation at 64% of average (101% last year). Precipitation varied from 35-160% of average last month. Total water-year-to-date precipitation is 91% of average for the basin (85% last year). Year-to-date percentages range from 71-159% of average.

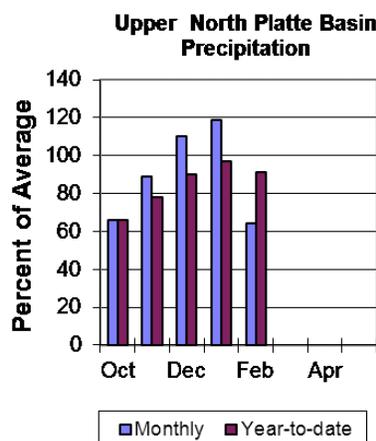
Reservoirs

Seminoe Reservoir is storing 696,800 ac-ft or 69% of

capacity. Seminoe Reservoir is at 141% of average and was at 145% of average last year. *Detailed reservoir data shown on the following page and in Appendix D.*

Streamflow

The 50% exceedance forecasts for the April through September period are below average for the Upper North Platte River Basin. The yield for the North Platte River near Northgate will be around 225,000 ac-ft (90% of average). The Encampment River near Encampment yield will be around 106,000 ac-ft (77% of average). Rock Creek near Arlington yield will be around 47,000 ac-ft (90% of average). Seminoe Reservoir inflow should be around 610,000 ac-ft (79% of average). *See the following page for more detailed information on projected runoff.*



Upper North Platte River Basin Streamflow Forecasts - March 1, 2016

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)
<hr/>								
North Platte R nr Northgate	APR-JUL	89	155	200	89%	245	310	225
	APR-SEP	100	175	225	90%	275	350	250
Encampment R nr Encampment ²	APR-JUL	58	83	100	78%	117	142	129
	APR-SEP	61	88	106	77%	124	151	138
Rock Ck nr Arlington	APR-JUL	29	39	45	92%	51	61	49
	APR-SEP	30	40	47	90%	54	64	52
Sweetwater R nr Alcova	APR-JUL	1	9.2	21	36%	33	50	59
	APR-SEP	1	11.1	24	38%	37	56	64
Seminoe Reservoir Inflow	APR-JUL	142	395	565	79%	735	990	715
	APR-SEP	147	425	610	79%	795	1070	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

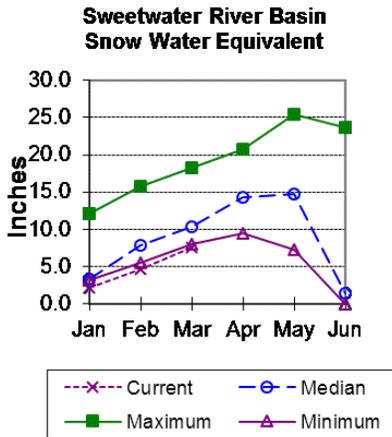
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Seminoe	696.8	713.0	493.1	1016.7
Basin-wide Total	696.8	713.0	493.1	1016.7
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
N PLATTE above Northgate	11	88%	83%
ENCAMPMENT RIVER	4	91%	78%
BRUSH CREEK	5	95%	74%
MEDICINE BOW & ROCK CREEKS	3	88%	80%
UPPER NORTH PLATTE RIVER BASIN	24	91%	78%

Sweetwater River Basin

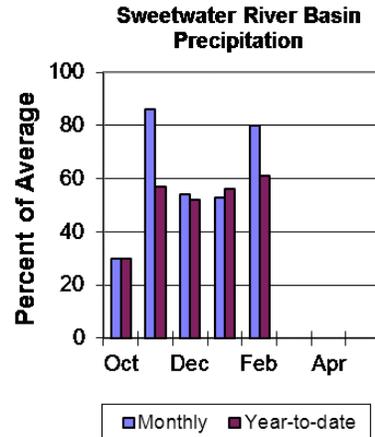
Snow

Sweetwater River Basin SWE is 73% of median. See *Appendix A at the end of this report for a detailed listing of snow course information.*



Precipitation

Last month's precipitation was 80% of average (83% last year) for the four reporting stations ranging from 61-112%. The water year-to-date precipitation for the basin is currently 61% of average (72% last year). Year-to-date percentages range from 47-93% of average.



Reservoirs

Reservoir storage is as follows: Pathfinder 865,700 ac-ft (149% of average or 85% of capacity).

Streamflow

The 50% exceedance forecast for the April through September period will be near a record low. The Sweetwater River near Pathfinder will yield about 24,000 ac-ft (38% of average). See below for detailed information on projected runoff.

Data Current as of: 3/4/2016 11:39:04 AM

Sweetwater River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

SWEETWATER RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sweetwater R nr Alcova	APR-JUL	1	9.2	21	36%	33	50	59
	APR-SEP	1	11.1	24	38%	37	56	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

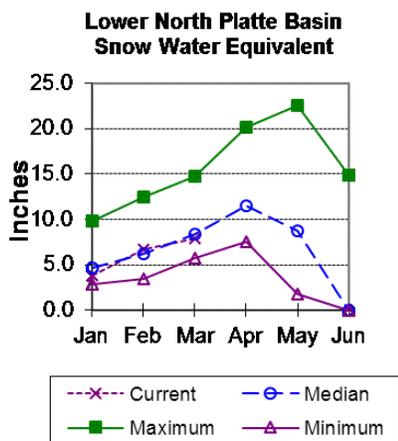
Reservoir Storage	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
End of February, 2016				
Pathfinder	865.7	697.3	582.4	1016.5
Basin-wide Total	865.7	697.3	582.4	1016.5
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis	# of Sites	% Median	Last Year % Median
March 1, 2016			
SWEETWATER RIVER BASIN	4	73%	71%

Lower North Platte River Basin

Snow

Lower North Platte River Basin SWE is 94% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



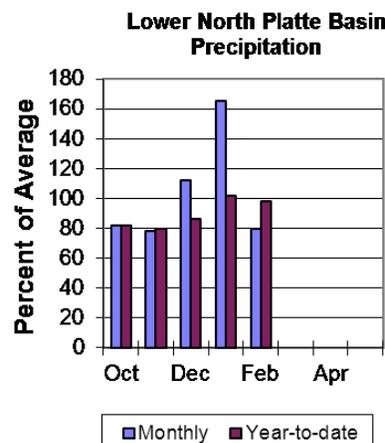
Precipitation

Last month's precipitation was 80% of average (99% last year). For the seven reporting stations percentages for the month range from 57-157%. The water year-to-date precipitation for the basin is currently 98% of average (78% last year). Year-to-date percentages range from 83-140% of average.

Reservoirs

Reservoir storage is as follows: Alcova 157,100 ac-ft (101% of average) (85% of capacity); Glendo 319,100 ac-ft (93% of average) (63% of capacity); Guernsey

21,300 ac-ft (140% of average) (47% of capacity); Pathfinder 865,700 ac-ft (149% of average) (85% of capacity) (120% of average last year). *Detailed reservoir data shown on the following page and in Appendix D.*



Streamflow

The 50% exceedance forecasts for the April through September period will be below average. North Platte - Alcova to Orin Gain will yield ---- ac-ft. LaPrele Creek above LaPrele Reservoir should yield around 14,000 ac-ft (70% of average). North Platte River below Glendo Reservoir should yield around 595,000 ac-ft (70% of average), and below Guernsey Reservoir should yield around 610,000 ac-ft (72% of average). *See the following for more detailed information on projected runoff.*

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Lower North Platte River Basin Streamflow Forecasts - March 1, 2016

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	0.7	6.4	14	70%	22	33	19.9
	APR-SEP	0.7	6.3	14	70%	22	33	19.9
North Platte R bl Glendo Reservoir	APR-JUL	325	485	590	72%	695	855	820
	APR-SEP	315	485	595	70%	705	875	850
North Platte R bl Guernsey Reservoir	APR-JUL	265	460	595	73%	725	920	820
	APR-SEP	270	475	610	72%	750	950	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

Reservoir Storage	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Alcova	157.1	157.1	155.8	184.3
Glendo	991.9	252.5	342.9	506.4
Guernsey	21.3	24.7	15.2	45.6
Pathfinder	865.7	697.3	582.4	1016.5
Basin-wide Total	2036.0	1131.6	1096.3	1752.8
# of reservoirs	4	4	4	4

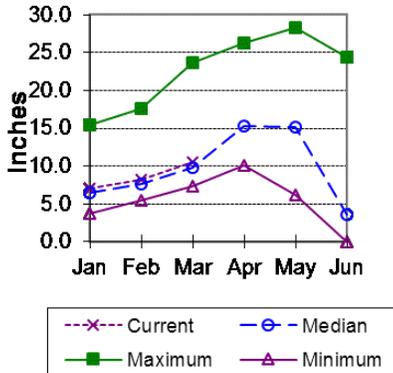
Watershed Snowpack Analysis	# of Sites	% Median	Last Year % Median
DEER & LAPRELE CREEKS	2	94%	78%
LOWER NORTH PLATTE RIVER BASIN	4	94%	79%

Laramie River Basin

Snow

SWE for the entire Laramie River Basin (above mouth entering North Platte) is 107% of median. SWE for the Laramie River above Laramie is 109% of median. SWE for the Little

**Laramie River Basin
Snow Water Equivalent**



Laramie River is 105% of median. SWE total for the entire North Platte River Basin above Torrington is 93% of median.

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

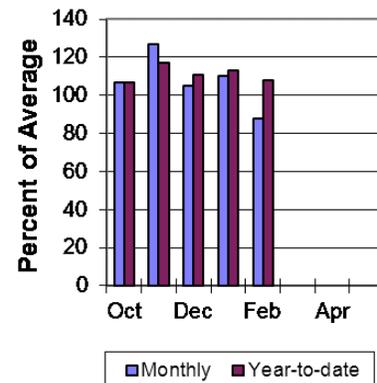
Precipitation

Last month's precipitation was 88% of average (130% last year). For the 12 reporting stations percentages for the month range from 47-200%. The water year-to-date precipitation for the basin is currently 108% of average (95% last year). Year-to-date percentages range from 88-174% of average.

Reservoirs

Reservoir storage is as follows: Wheatland #2 58,400 ac-ft (133% of average) (59% of capacity) was (174% of average last year). Detailed reservoir data shown on the following page and in Appendix D.

**Laramie River Basin
Precipitation**



Streamflow

The 50% exceedance forecasts for the April through September period will be slightly below average. Laramie River near Woods Landing should yield around 112,000 ac-ft (89% of average). The Little Laramie near Filmore should produce about 48,000 ac-ft (87% of average). See below for detailed information on projected runoff.

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Laramie River Basin Streamflow Forecasts - March 1, 2016

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	66	87	101	88%	116	136	115
	APR-SEP	73	96	112	89%	128	151	126
Little Laramie R nr Filmore	APR-JUL	25	37	45	88%	53	65	51
	APR-SEP	26	39	48	87%	57	70	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

Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Wheatland #2		76.5	43.9	98.9
Basin-wide Total		0.0	0.0	0.0
# of reservoirs	0	0	0	0

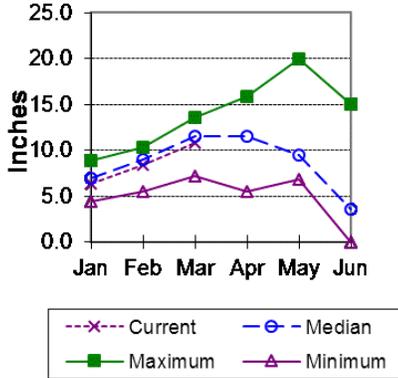
Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
LARAMIE RIVER abv Laramie	7	109%	96%
LITTLE LARAMIE RIVER	5	105%	89%
LARAMIE RIVER BASIN	13	107%	92%
NORTH PLATTE TOTAL RIVER BASIN	39	93%	79%

South Platte River Basin (WY)

Snow

South Platte River Basin SWE in WY is 94% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*

**South Platte River Basin
Snow Water Equivalent**



forecast points for the basin.

Precipitation

Last month's precipitation was 79% of average (138% last year) for the five reporting stations. The water year-to-date precipitation for the basin is currently 103% of average (105% last year). Year-to-date percentages range from 90-178% of average.

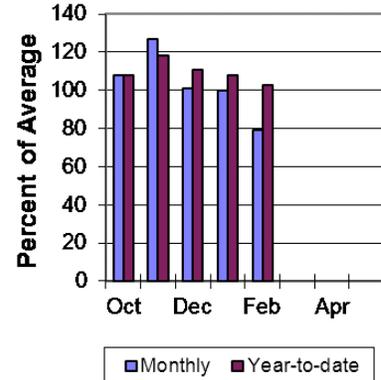
Reservoirs

No reservoir data for the basin.

Streamflow

There are no streamflow

**South Platte River Basin
Precipitation**



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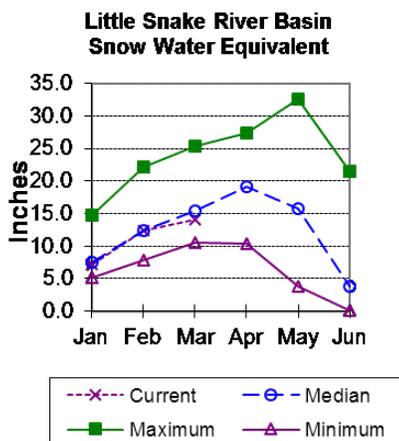
South Platte River Basin - March 1, 2016

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
SOUTH PLATTE RIVER BASIN	8	94%	96%

Little Snake River Basin

Snow

Little Snake River drainage SWE is 91% of median. See *Appendix A at the end of this report for a detailed listing of snow course information.*

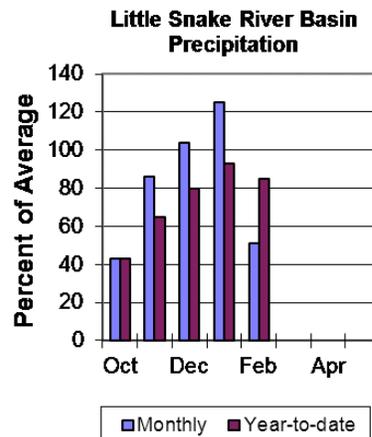


Precipitation

Precipitation across the basin was 51% of average (67% last year) for the eight reporting stations. Last month's precipitation ranged from 30-64% of average. The Little Snake River Basin water-year-to-date precipitation is currently 85% of average (69% last year). Year-to-date percentages range from 62-100% of average.

Reservoirs

High Savery Dam - 11,000 ac-ft (92% of average) (49% of capacity) (118% last year's average). See below for detailed information on reservoirs and in Appendix D.



Streamflow

The 50% exceedance forecasts for the April through July period will be near record lows. The Little Snake River near Slater should yield around 115,000 ac-ft (74% of average). The Little Snake River near Dixon should yield around 225,000 ac-ft (65% of average). See below for detailed information on projected runoff.

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Little Snake River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

LITTLE SNAKE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Snake R nr Slater ²	APR-JUL	76	98	115	74%	133	162	156
Little Snake R nr Dixon ²	APR-JUL	114	175	225	65%	280	375	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

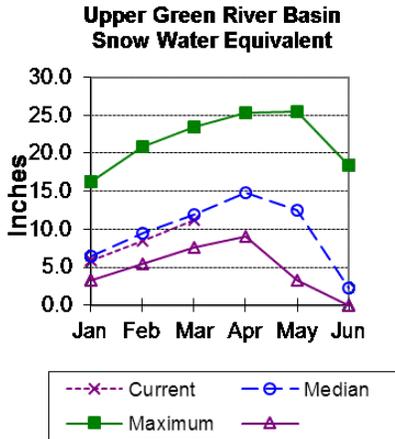
Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
High Savery Reservoir	11.0	14.1	12.0	22.4
Basin-wide Total	11.0	14.1	12.0	22.4
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
LITTLE SNAKE RIVER BASIN	10	91%	68%

Upper Green River Basin

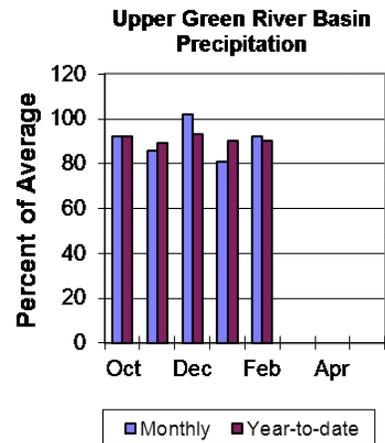
Snow

Upper Green River Basin above Fontenelle Reservoir SWE is 95% of median. Green River Basin above Warren Bridge SWE is 92% of median. West Side of Upper Green River Basin SWE is 108% of median. New Fork River SWE is 74% of median. Big Sandy-Eden Valley Basin SWE is 66% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*



Precipitation

The 16 reporting precipitation sites in the basin were 89% of average last month (72% last year). Last month's precipitation varied from 35-133% of average. Water year-to-date precipitation is 90% of average (99% last year). Year to date percentages of average range from 58-115%.



Reservoir

Storage in Big Sandy Reservoir is 19,600 ac-ft or 51% of capacity (111% of average) (123% last year). Fontenelle Reservoir is 149,000 ac-ft (43% of capacity) (117% of average) (164% last year). *Detailed reservoir data shown on the following page and in Appendix D.*

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 210,000 ac-ft (86% of average). Pine Creek above Fremont Lake yield will be about 83,000 ac-ft (85% of average). New Fork River near Big Piney yield will be about 260,000 ac-ft (73% of average). Fontenelle Reservoir Inflow is estimated to be around 500,000 ac-ft (69% of average), and Big Sandy near Farson yield will be around 32,000 ac-ft (62% of average). *See the following for a more detailed forecast.*

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Upper Green River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

UPPER GREEN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Green R at Warren Bridge	APR-JUL	152	185	210	86%	235	275	245
Pine Creek ab Fremont Lake	APR-JUL	69	77	83	85%	89	99	98
New Fork R nr Big Piney	APR-JUL	156	215	260	73%	310	390	355
Fontenelle Reservoir Inflow	APR-JUL	285	405	500	69%	605	770	725
Big Sandy R nr Farson	APR-JUL	18.9	26	32	62%	38	48	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

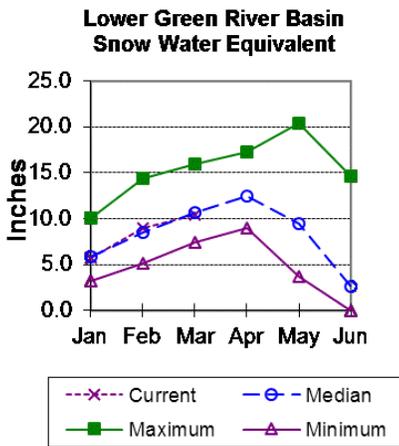
Reservoir Storage	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
End of February, 2016				
Big Sandy	19.6	21.7	17.7	38.3
Fontenelle	149.0	209.3	127.6	344.8
Basin-wide Total	168.6	231.0	145.3	383.1
# of reservoirs	2	2	2	2

Watershed Snowpack Analysis	# of Sites	% Median	Last Year % Median
March 1, 2016			
GREEN above Warren Bridge	5	92%	114%
UPPER GREEN - West Side	5	108%	120%
NEWFORK RIVER	3	74%	97%
BIG SANDY-EDEN VALLEY	2	66%	74%
GREEN above Fontenelle	15	95%	111%

Lower Green River Basin

Snow

Lower Green River Basin SWE is 97% of median. Hams Fork drainage SWE is 86% of median. Blacks Fork drainage SWE is 106% of median. Henrys Fork SWE is 134% of median. SWE for the entire Green River Basin (above Flaming Gorge) is 96% of median. See Appendix A at the end of this report for a detailed listing of snow course information.



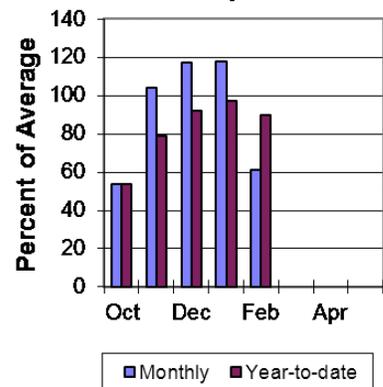
Precipitation

Precipitation for the 12 reporting stations during last month was 61% of average (69% last year). Precipitation ranged from 35-133% of average for the month. The basin year-to-date precipitation is currently 90% of average (78% last year). Year-to-date percentages range from 41-164% of average.

Reservoirs

Fontenelle Reservoir is currently storing 149,000 ac-ft; this is 117% of average (164% last year) (43% of capacity). Flaming Gorge is currently storing 3,127,500 ac-ft; this is 104% of average (106% last year) (83% of capacity). Viva Naughton is currently storing 29,700 ac-ft; this is 103% of average (104% last year) (70% of capacity). Detailed reservoir data shown on the following page and in Appendix D.

Lower Green River Basin Precipitation



average (164% last year) (43% of capacity). Flaming Gorge is currently storing 3,127,500 ac-ft; this is 104% of average (106% last year) (83% of capacity). Viva Naughton is currently storing 29,700 ac-ft; this is 103% of average (104% last year) (70% of capacity). Detailed reservoir data shown on the following page and in Appendix D.

Streamflow

The 50% exceedance forecasts for the April through July period will be below average. The Green River near Green River will yield about 515,000 ac-ft (71% of average). The Blacks Fork near Robertson will yield about 79,000 ac-ft (89% of average). East Fork of Smiths Fork near Robertson will yield around 24,000 ac-ft (89% of average). Hams Fork below Pole Creek near Frontier will yield around 32,000 ac-ft (59% of average). The Hams Fork Inflow to Viva Naughton Reservoir will yield about 41,000 ac-ft (55% of average). The Flaming Gorge Reservoir inflow will be about 690,000 ac-ft (70% of average). See the following page for more detailed information on projected runoff.

Lower Green River Basin Streamflow Forecasts - March 1, 2016

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 ²	APR-JUL	280	410	515	71%	630	825	730
Blacks Fk nr Robertson	APR-JUL	51	67	79	89%	92	113	89
EF of Smiths Fork nr Robertson ²	APR-JUL	14.8	20	24	89%	28	35	27
Hams Fk bl Pole Ck nr Frontier	APR-JUL	17.8	26	32	59%	39	50	54
Viva Naughton Reservoir Inflow	APR-JUL	19.6	31	41	55%	52	70	74
Flaming Gorge Reservoir Inflow ²	APR-JUL	355	540	690	70%	860	1140	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

Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Fontenelle	149.0	209.3	127.6	344.8
Flaming Gorge Reservoir	3127.5	3206.6	3014.0	3749.0
Viva Naughton Res	29.7	29.9	28.8	42.4
Basin-wide Total	3306.1	3445.8	3170.4	4136.2
# of reservoirs	3	3	3	3

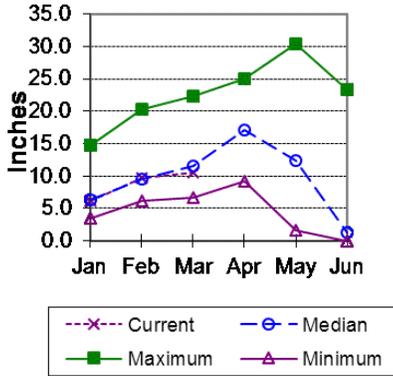
Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
HAMS FORK RIVER	4	86%	91%
BLACKS FORK	2	106%	81%
HENRYS FORK	2	134%	86%
LOWER GREEN RIVER BASIN	8	97%	88%
GREEN above FLAMING GORGE	22	96%	104%

Upper Bear River Basin

Snow

Upper Bear River Basin in Utah SWE is 92% of median. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is 87% of median. Bear River Basin SWE, above the Idaho State line, is 92% of median. *See Appendix A at the end of this report for a detailed listing of snow course information.*

Upper Bear River Basin Snow Water Equivalent



Precipitation

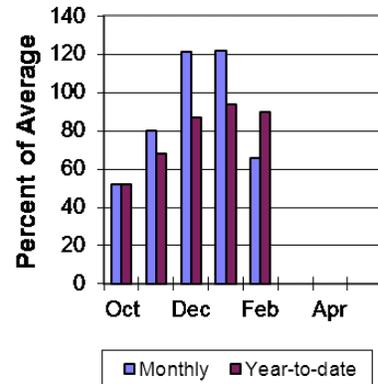
Precipitation for last month was 66% of average for the nine reporting stations; this was 71% last year. The year-to-date precipitation for the basin is 90% of average; this was 73% last year. Year-to-date percentages range from 77-100% of average.

Reservoirs

Storage in Woodruff Narrows Reservoir was 42,300 ac-ft about 74% of capacity (134% of average) (143% last

year). *Detailed reservoir data shown below and in Appendix D.*

Upper Bear River Basin Precipitation



Streamflow

The following 50% exceedance forecasts for the April through September period will be below average. The Bear River near the Utah-Wyoming State Line should yield about 101,000 ac-ft (82% of average). The Bear River above Reservoir near Woodruff should yield around 92,000 ac-ft (72% of average). The Smiths Fork River near Border Jct. will yield around 84,000 ac-ft (81% of average). *See below for detailed information on projected runoff.*

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Upper Bear River Basin Streamflow Forecasts - March 1, 2016

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

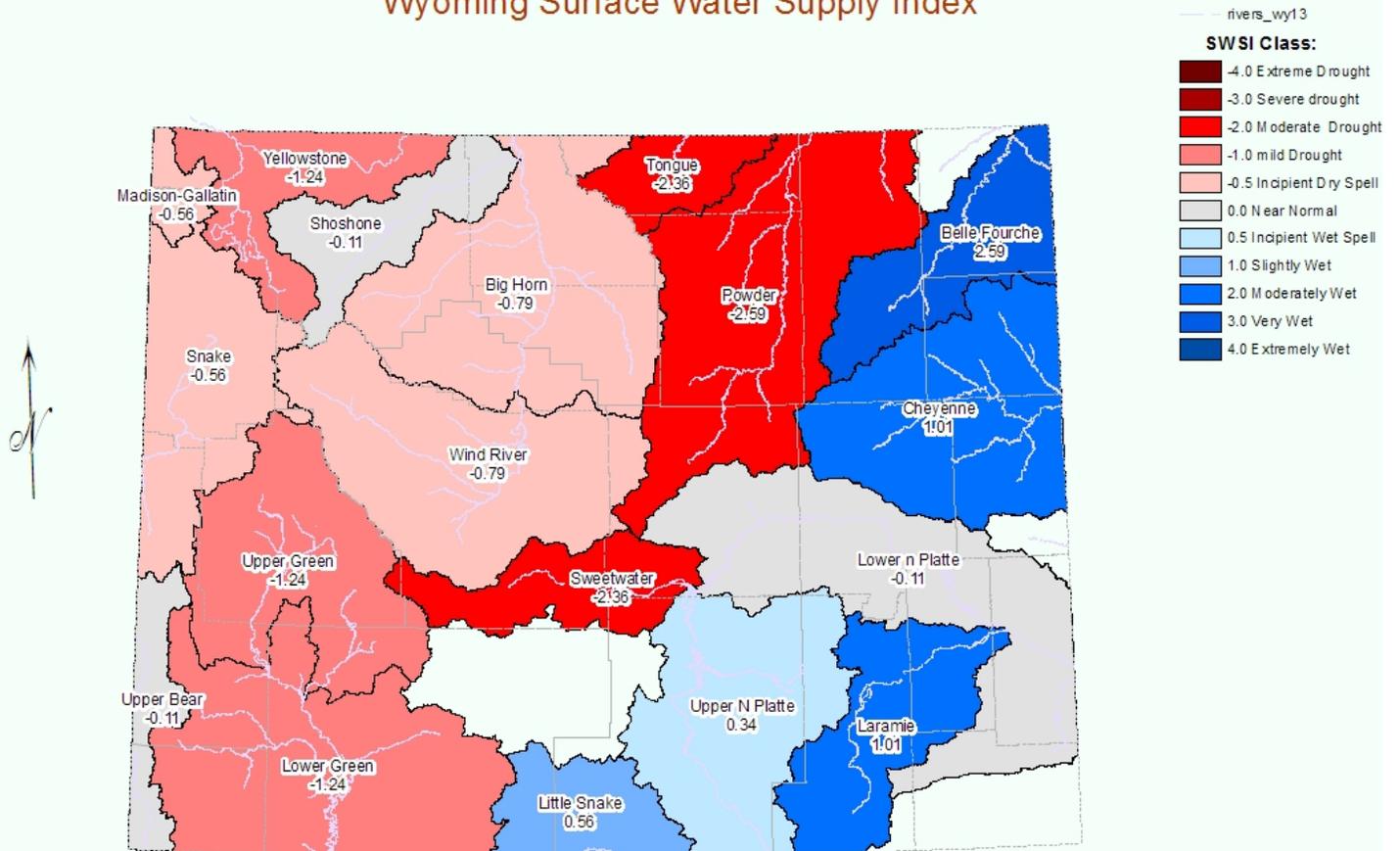
UPPER BEAR RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bear R nr UT-WY State Line	APR-JUL	59	78	91	81%	104	123	112
	APR-SEP	65	86	101	82%	116	138	123
Bear R ab Resv nr Woodruff	APR-JUL	44	72	91	75%	110	138	121
	APR-SEP	44	72	92	72%	112	140	128
Smiths Fk nr Border	APR-JUL	43	60	71	80%	82	98	89
	APR-SEP	53	72	84	81%	97	115	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

Reservoir Storage End of February, 2016	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
Woodruff Narrows Reservoir	42.3	45.1	31.6	57.3
Basin-wide Total	42.3	45.1	31.6	57.3
# of reservoirs	1	1	1	1

Watershed Snowpack Analysis March 1, 2016	# of Sites	% Median	Last Year % Median
UPPER BEAR RIVER in Utah	3	92%	65%
SMITHS & THOMAS FORKS	3	87%	93%
UPPER BEAR RIVER BASIN	8	92%	78%

Wyoming Surface Water Supply Index



The Surface Water Supply Index (SWSI) is computed using only surface water supplies for the drainage. The computation includes reservoir storage, if applicable, plus the forecast runoff. The index is purposely created to resemble the Palmer Drought Index, with normal conditions centered near zero. Adequate and excessive supply has a positive number and deficit water supply has a negative value. Soil moisture and forecast precipitation are not considered as such, but the forecast runoff may consider these values.

Date: 3/5/2016

Appendix A

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Report Created: 3/4/2016 11:38:10 AM

Basinwide Summary: March 1, 2016
(Averages/Medians based on 1981-2010 reference period)

Snowpack Summary for March 1, 2016

SNAKE above Jackson Lake		Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Aster Creek	SC	7750	54	18.7	21.6	87%	17.7	82%	
Glade Creek	SC	7040	52	18.2	18.6	87%	17.8	96%	
Grassy Lake	SNOTEL	7285	74	24.1	26.2	92%	24.8	95%	
Huckleberry Divide	SC	7300	46	15.1	16.8	90%	14.4	86%	
Lewis Lake Divide	SNOTEL	7850	67	22.7	25.2	90%	21.1	84%	
Moran	SC	6750	39	11.7	10.4	113%	10.2	98%	
Snake River Station	SNOTEL	6920	45	13.2	14.2	93%	13.8	97%	
Thumb Divide	SNOTEL	7980	40	10.1	12.3	82%	9.1	74%	
Two Ocean Plateau	SNOTEL	8240	67	20.2	21.6	94%	22.4	104%	
Basin Index							91%	91%	
# of sites							9	9	
PACIFIC CREEK		Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Base Camp	SNOTEL	7030	46	12.8	13.5	95%	14.3	106%	
Moran	SC	6750	39	11.7	10.4	113%	10.2	98%	
Two Ocean Plateau	SNOTEL	8240	67	20.2	21.6	94%	22.4	104%	
Basin Index							98%	103%	
# of sites							3	3	
BUFFALO FORK		Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Four Mile	SC	6900	21	6.0	6.0	100%	5.2	87%	
Togwotee Pass	SNOTEL	9580	60	16.6	17.7	94%	19.9	112%	
Turpin Meadows	SC	6900	35	10.0	8.2	122%	12.0	146%	
Younts Peak	SNOTEL	8350	39	10.5	11.7	90%			
Basin Index							102%	116%	
# of sites							3	3	
GROS VENTRE RIVER		Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Elbo Ranch	SC	7100	33	8.2	8.6	95%	11.2	130%	
Gros Ventre Summit	SNOTEL	8750	36	8.2	9.7	85%	10.3	106%	
Gunsight Pass	SNOTEL	9820	39	10.1	10.6	95%	11.1	105%	
Togwotee Pass	SNOTEL	9580	60	16.6	17.7	94%	19.9	112%	
Basin Index							92%	113%	
# of sites							4	4	
HOBACK RIVER		Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Blind Bull Sum	SNOTEL	8650	62	19.3	17.9	108%	21.1	118%	
East Rim Divide	SNOTEL	7930	35	8.1	8.1	100%	11.3	140%	
Granite Creek	SNOTEL	6770	43	12.2	13.8	88%	15.0	109%	
Hoback GS	SC	6664	25	6.9	8.2	84%	8.0	98%	
Snow King Mountain	SC	7660	31	7.1	11.2	63%	9.8	88%	
Basin Index							91%	110%	
# of sites							5	5	
GREYS RIVER		Network	Elevation (ft)	Depth (in)	SWE (in)	Median (in)	% Median	Last Year SWE (in)	Last Year % Median
Blind Bull Sum	SNOTEL	8650	62	19.3	17.9	108%	21.1	118%	

Appendix B

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Report Created: 3/4/2016 11:38:10 AM

Basinwide Summary: March 1, 2016 (Averages/Medians based on 1981-2010 reference period)												
SNAKE above Jackson Lake	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Grassy Lake	SNOTEL	7265	3	5.3	57%	3.3	62%	28.5	29.4	97%	24.9	85%
Lewis Lake Divide	SNOTEL	7850	2.9	5.5	53%	2.8	51%	25.9	28.8	90%	23.2	81%
Snake River Station	SNOTEL	6920	2.1	3	70%	1.8	60%	18.8	18.6	101%	16.7	90%
Thumb Divide	SNOTEL	7980	1.2	2.4	50%	0.8	33%	11.6	14.6	79%	9.9	68%
Two Ocean Plateau	SNOTEL	9240	3.2	4.2	76%	3.5	83%	19.5	21.6	90%	19.9	92%
Basin Index			61%					60%				
# of sites			5					5				
PACIFIC CREEK												
Base Camp	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Base Camp	SNOTEL	7030	1.9	3.1	81%	2.4	77%	16.3	17.2	95%	15.7	91%
Two Ocean Plateau	SNOTEL	9240	3.2	4.2	76%	3.5	83%	19.5	21.6	90%	19.9	92%
Basin Index			70%					81%				
# of sites			2					2				
BUFFALO FORK												
Togwotee Pass	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Togwotee Pass	SNOTEL	9580	3.7	3.5	106%	4.2	120%	19.4	19.4	100%	21.5	111%
Younts Peak	SNOTEL	8350	2.5	2.1	119%			10.1	12.6	80%		
Basin Index			106%					120%				
# of sites			1					1				
GROS VENTRE RIVER												
Gros Ventre Summit	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Gros Ventre Summit	SNOTEL	8750	1	1.8	56%	1	56%	8.1	10.1	80%	8.5	84%
Gunsight Pass	SNOTEL	9820	2.2	2	110%	2.1	105%	11	10.9	101%	10.8	99%
Togwotee Pass	SNOTEL	9580	3.7	3.5	106%	4.2	120%	19.4	19.4	100%	21.5	111%
Basin Index			95%					100%				
# of sites			3					3				
HOBACK RIVER												
Blind Bull Sum	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Blind Bull Sum	SNOTEL	8650	2.9	3.1	94%	1.8	58%	12.6	16	79%	14.4	90%
East Rim Divide	SNOTEL	7930	1.4	1.9	74%	1.3	68%	8.4	9.6	88%	9.9	103%
Granite Creek	SNOTEL	6770	2.7	2.8	96%	2	71%	14.6	16.5	88%	15.6	95%
Basin Index			90%					65%				
# of sites			3					3				
GREYS RIVER												
Blind Bull Sum	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Blind Bull Sum	SNOTEL	8650	2.9	3.1	94%	1.8	58%	12.6	16	79%	14.4	90%
Cottonwood Creek	SNOTEL	7670	4.5	3.7	122%	4.2	114%	19.8	19.6	101%	22.1	113%
Spring Creek Divide	SNOTEL	9000	4.5	3.9	115%	3.4	87%	18.4	19.3	95%	21	106%
Triple Peak	SNOTEL	8500	5.6	4.1	137%	3.5	85%	20.7	20.2	102%	22.4	111%
Willow Creek	SNOTEL	8380	4.9	5.1	96%	4	78%	24.7	26.8	92%	24.2	90%
Basin Index			113%					85%				
# of sites			5					5				
SALT RIVER												
Cottonwood Creek	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Cottonwood Creek	SNOTEL	7670	4.5	3.7	122%	4.2	114%	19.8	19.6	101%	22.1	113%
Salt River Summit	SNOTEL	7760	2.2	2.7	81%	2	74%	11.1	13.4	83%	11.7	87%
Willow Creek	SNOTEL	8380	4.9	5.1	96%	4	78%	24.7	26.8	92%	24.2	90%
Basin Index			101%					89%				
# of sites			3					3				
SNAKE RIVER BASIN												
Afton	Network	Elevation (ft)	Monthly Total Precipitation for February 2016					Water Year to Date Precipitation through February 2016				
			Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg	Current (in)	Average (in)	% Average	Last Year (in)	Last Year % Avg
Afton	COOP	6210	0.84	1.09	77%	0.88	81%	5.38	6.85	79%	5.15	75%
Alta 1 NW	COOP	6430	1.12	1.87	60%	1.12	60%	10.5	10.83	97%	8.86	82%
Base Camp	SNOTEL	7030	1.9	3.1	61%	2.4	77%	16.3	17.2	95%	15.7	91%
Bedford 3 SE	COOP	6430	1.52	1.76	86%	1.37	78%	10.74	9.51	113%	9.75	103%
Black Bear	SNOTEL	8170	2.8	5.8	48%	2.3	40%	26.5	30.8	86%	23.4	76%
Blind Bull Sum	SNOTEL	8650	2.9	3.1	94%	1.8	58%	12.6	16	79%	14.4	90%
Bondurant	COOP	6620	0.81	1.52	53%	1.17	77%	7.87	9.26	85%	9.36	101%
Cottonwood Creek	SNOTEL	7670	4.5	3.7	122%	4.2	114%	19.8	19.6	101%	22.1	113%
Darwin Ranch	COOP	8160	0.53	0.94	56%	0.75	80%	5.01	5.69	88%	5.43	95%
East Rim Divide	SNOTEL	7930	1.4	1.9	74%	1.3	68%	8.4	9.6	88%	9.9	103%
Grand Targhee	SNOTEL	9260	2.4	4.1	59%	3.3	80%	23.8	24.8	96%	25.7	104%
Granite Creek	SNOTEL	6770	2.7	2.8	96%	2	71%	14.6	16.5	88%	15.6	95%
Grassy Lake	SNOTEL	7265	3	5.3	57%	3.3	62%	28.5	29.4	97%	24.9	85%
Gros Ventre Summit	SNOTEL	8750	1	1.8	56%	1	56%	8.1	10.1	80%	8.5	84%
Gunsight Pass	SNOTEL	9820	2.2	2	110%	2.1	105%	11	10.9	101%	10.8	99%
Jackson	COOP	6230	0.5	0.98	51%	0.91	93%	5.87	6.64	88%	6.42	97%
Lewis Lake Divide	SNOTEL	7850	2.9	5.5	53%	2.8	51%	25.9	28.8	90%	23.2	81%
Loomis Park	SNOTEL	8240	2.6	2.7	96%	1.8	67%	13.1	14	94%	13.9	96%
Moose	COOP	6470	0.83	1.82	46%	1.57	86%	11.83	11.18	106%	11.23	100%

Appendix C

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Basinwide Summary: March 1, 2016
(averages based on 1981-2010 reference period)

Reservoir Storage Summary for the end of February 2016

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		13.3	12.9	12.1	15.2	87%	85%	80%	110%	107%
Jackson Lake		564.7	646.2	434.7	847.0	67%	76%	51%	130%	149%
Pallsades Reservoir		874.5	1183.6	925.7	1400.0	62%	85%	66%	94%	128%
Basin-wide Total		1452.5	1842.8	1372.5	2262.2	64%	81%	61%	106%	134%
# of reservoirs		3	3	3	3	3	3	3	3	3
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	28.2	29.8	41.0	70%	69%	73%	97%	95%
Hebgen Lake		302.3	310.3	274.6	378.8	80%	82%	72%	110%	113%
Basin-wide Total		331.1	338.5	304.4	419.8	79%	81%	73%	109%	111%
# of reservoirs		2	2	2	2	2	2	2	2	2
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		70.4	105.2	75.4	151.8	46%	69%	50%	93%	140%
Boysen		541.2	627.1	495.8	596.0	91%	105%	83%	109%	126%
Pilot Butte		24.8	23.1	23.3	31.6	78%	73%	74%	106%	99%
Basin-wide Total		636.4	755.4	594.5	779.4	82%	97%	76%	107%	127%
# of reservoirs		3	3	3	3	3	3	3	3	3
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		541.2	627.1	495.8	596.0	91%	105%	83%	109%	126%
Bighorn Lake		836.5	887.7	797.1	1356.0	62%	65%	59%	105%	111%
Basin-wide Total		1377.7	1514.8	1292.9	1952.0	71%	78%	66%	107%	117%
# of reservoirs		2	2	2	2	2	2	2	2	2
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		428.1	462.3	350.7	646.6	66%	71%	54%	122%	132%
Basin-wide Total		428.1	462.3	350.7	646.6	66%	71%	54%	122%	132%
# of reservoirs		1	1	1	1	1	1	1	1	1
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		54.3	52.1	28.2	79.1	69%	66%	36%	192%	185%
Basin-wide Total		54.3	52.1	28.2	79.1	69%	66%	36%	192%	185%
# of reservoirs		1	1	1	1	1	1	1	1	1
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		141.9	143.4	119.4	178.4	80%	80%	67%	119%	120%
Keyhole		168.1	173.0	90.6	193.8	87%	89%	47%	185%	191%
Shadehill		52.7	59.3	45.1	81.4	65%	73%	55%	117%	131%
Basin-wide Total		362.6	375.7	255.1	453.6	80%	83%	56%	142%	147%
# of reservoirs		3	3	3	3	3	3	3	3	3
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		108.1	107.4	87.6	122.1	89%	88%	72%	123%	123%
Deerfield		14.1	15.3	13.9	15.2	93%	101%	91%	101%	110%
PackLa		52.5	51.9	45.6	55.0	95%	94%	83%	115%	114%
Basin-wide Total		174.7	174.6	147.1	192.3	91%	91%	76%	119%	119%
# of reservoirs		3	3	3	3	3	3	3	3	3
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
Seminole		696.8	713.0	493.1	1016.7	69%	70%	49%	141%	145%
Basin-wide Total		696.8	713.0	493.1	1016.7	69%	70%	49%	141%	145%
# of reservoirs		1	1	1	1	1	1	1	1	1
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		865.7	697.3	582.4	1016.5	85%	69%	57%	149%	120%
Basin-wide Total		865.7	697.3	582.4	1016.5	85%	69%	57%	149%	120%
# of reservoirs		1	1	1	1	1	1	1	1	1

Appendix D

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Report Created: 3/5/2016 8:22:50 AM

Basinwide Summary: March 1, 2016
(averages based on 1981-2010 reference period)

Reservoir Storage Summary for the end of February 2016
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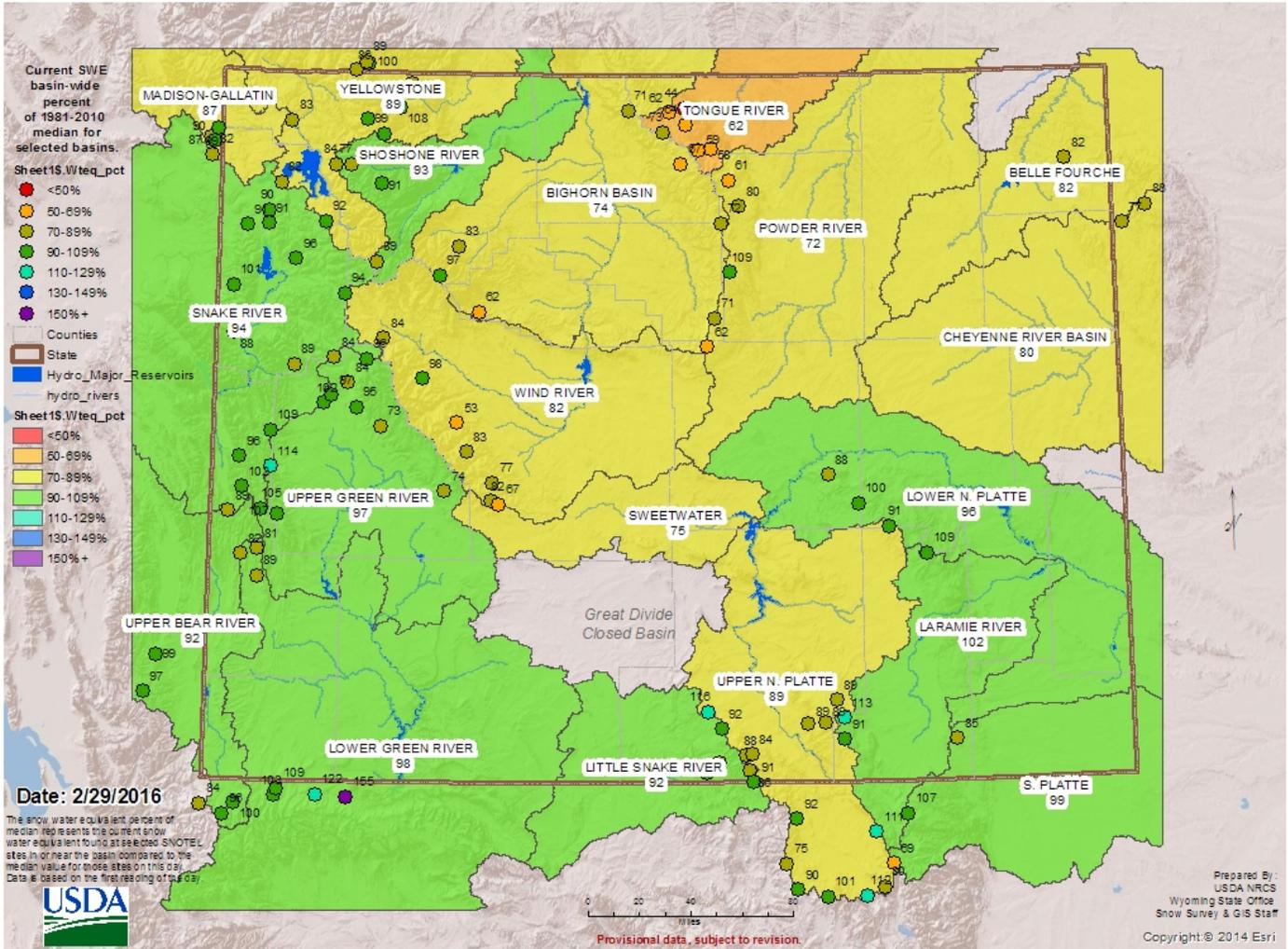
SNAKE RIVER BASIN	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)	Current % Capacity	Last Year % Capacity	Average % Capacity	Current % Average	Last Year % Average
Grassy Lake	13.3	12.9	12.1	15.2	87%	85%	80%	110%	107%
Jackson Lake	564.7	646.2	434.7	847.0	67%	76%	51%	130%	149%
Pallsades Reservoir	874.5	1183.6	925.7	1400.0	62%	85%	66%	94%	128%
Basin-wide Total	1452.5	1842.8	1372.5	2262.2	64%	81%	61%	106%	134%
# of reservoirs	3	3	3	3	3	3	3	3	3
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	28.2	29.8	41.0	70%	69%	73%	97%	95%
Hebgen Lake	302.3	310.3	274.6	378.8	80%	82%	72%	110%	113%
Basin-wide Total	331.1	338.5	304.4	419.8	79%	81%	73%	109%	111%
# of reservoirs	2	2	2	2	2	2	2	2	2
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	70.4	105.2	75.4	151.8	46%	69%	50%	93%	140%
Boysen	541.2	627.1	495.8	596.0	91%	105%	83%	109%	126%
Pilot Butte	24.8	23.1	23.3	31.6	78%	73%	74%	106%	99%
Basin-wide Total	636.4	755.4	594.5	779.4	82%	97%	76%	107%	127%
# of reservoirs	3	3	3	3	3	3	3	3	3
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	541.2	627.1	495.8	596.0	91%	105%	83%	109%	126%
Bighorn Lake	836.5	887.7	797.1	1356.0	62%	65%	59%	105%	111%
Basin-wide Total	1377.7	1514.8	1292.9	1952.0	71%	78%	66%	107%	117%
# of reservoirs	2	2	2	2	2	2	2	2	2
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	428.1	462.3	350.7	646.6	66%	71%	54%	122%	132%
Basin-wide Total	428.1	462.3	350.7	646.6	66%	71%	54%	122%	132%
# of reservoirs	1	1	1	1	1	1	1	1	1
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	54.3	52.1	28.2	79.1	69%	66%	36%	192%	185%
Basin-wide Total	54.3	52.1	28.2	79.1	69%	66%	36%	192%	185%
# of reservoirs	1	1	1	1	1	1	1	1	1
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	141.9	143.4	119.4	178.4	80%	80%	67%	119%	120%
Keyhole	168.1	173.0	90.6	193.8	87%	89%	47%	185%	191%
Shadehill	52.7	59.3	45.1	81.4	65%	73%	55%	117%	131%
Basin-wide Total	362.6	375.7	255.1	453.6	80%	83%	56%	142%	147%
# of reservoirs	3	3	3	3	3	3	3	3	3
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	108.1	107.4	87.6	122.1	89%	88%	72%	123%	123%
Deerfield	14.1	15.3	13.9	15.2	93%	101%	91%	101%	110%
Packola	52.5	51.9	45.6	55.0	95%	94%	83%	115%	114%
Basin-wide Total	174.7	174.6	147.1	192.3	91%	91%	76%	119%	119%
# of reservoirs	3	3	3	3	3	3	3	3	3
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
Seminole	696.8	713.0	493.1	1016.7	69%	70%	49%	141%	145%
Basin-wide Total	696.8	713.0	493.1	1016.7	69%	70%	49%	141%	145%
# of reservoirs	1	1	1	1	1	1	1	1	1
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	865.7	697.3	582.4	1016.5	85%	69%	57%	149%	120%
Basin-wide Total	865.7	697.3	582.4	1016.5	85%	69%	57%	149%	120%
# of reservoirs	1	1	1	1	1	1	1	1	1

Jason Weller (Chief)
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Astrid Martinez
State Con.
N R C S
Casper, Wyoming

Feb. 29, 2016

Wyoming SNOTEL Current Snow Water Equivalent (SWE) % of Median



The above map is only for SNOTELS and does not include snow courses. The Outlook Report includes the snow courses.

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:

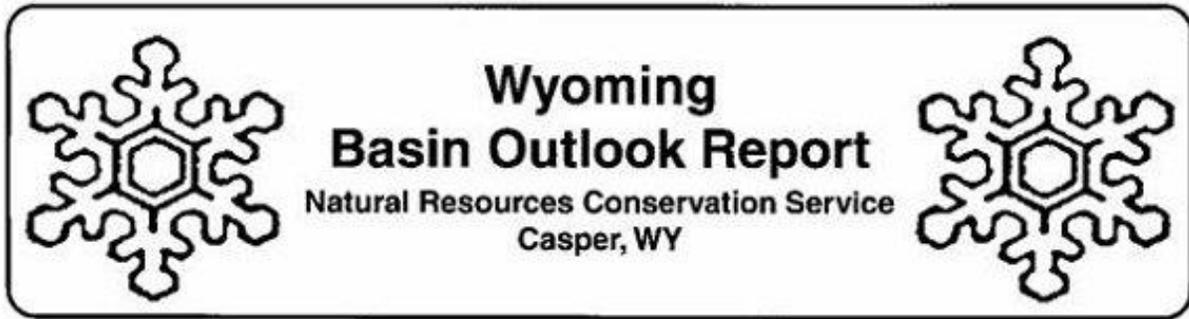
The Wyoming State Engineer's Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins



Natural Resources Conservation Service
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