United States Department of Agriculture

Natural Resources Conservation Service

Wyoming Basin Outlook Report February 1, 2008

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. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. 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 either above or below, the predicted 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 is. 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 their operational decisions. 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.

Wyoming Water Supply Outlook Report

General

Generally, the snow water equivalent (SWE) across Wyoming is slightly below average for this time of the year. Storms have been covering Wyoming with snow and the forecast outlook is looking up. SWE for the State of Wyoming as a whole is 95% of average for early February. Precipitation for last month in the basins varied from 97% of average to 147% of average for the State. Year-to-date precipitation is also below average for the year and varies from 78-131% of average in the basins. Forecasted runoff varies from 65-119% of average across Wyoming. Basin reservoir levels for Wyoming vary from 30-225% of average for an overall average of 79%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below average for this time of year at 95%. SWE in the NW portion of Wyoming is now about 98% of average (137% of last year). NE Wyoming SWE is currently about 91% of average (129% of last year). The SE portion of Wyoming SWE is currently about 100% of average (130% of last year). The SW portion of Wyoming SWE is about 93% of average (137% of last year).

Precipitation

Last month's precipitation was above average across most of Wyoming. The Shoshone and Clarks Fork Basins had the lowest precipitation for the month at 97% of average. The Belle Fourche and Cheyenne Basins had the highest precipitation amount at 147% of average. The following table displays the major river basins and their departure from average for this month.

Basin	Departure from average	Basin	Departure from average
Snake River	+09%	Upper North Platte River	+24%
Yellowstone & Madison	+26%	Lower North Platte	-02%
Wind River	+11%	Little Snake River	+31%
Big Horn	+01%	Upper Green River	+10%
Shoshone & Clarks Fork	-03%	Lower Green River	+00%
Powder & Tongue River	+13%	Upper Bear River	+05%
Belle Fourche & Cheyenne	+47%		

Streams

Stream flow yield is expected to be below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be 97% (varying from 65-119% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 95 and 111% of average, respectively -- 88-115% of average for the various forecast points in the basins. Yields from the Wind and Bighorn River Basins are expected to be about 77 and 80% of average, respectively -- varying from 77-104% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 109% of average -- varying from 105-111% of average. Yields from the Powder & Tongue River Basins are expected to be about 106% of average -- varying from 86-119% of average. Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 94% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 115 and 111% of average, respectively -- varying from 65-117% of average. Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 117, 71 and 100% of average respectively -- yield estimates vary from 71-117% of average.

Reservoirs

Reservoir storage varies across the state however reservoir storage is at 79% of average for the entire state. Reservoirs on the North Platte River are well below average at 47% of average. One reservoir is not reporting. Most of the reservoirs in the northeast are below average in storage at 59. Reservoirs in the Wind River Basin are below average at 66%. Reservoirs on the Big Horn are below average at 86%. The Buffalo Bill Reservoir on the Shoshone is above average at 108%. Reservoirs on the Green River are above average at 101%. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

BASIN AREA RESERVOIR	CURRENT AS %CAPACITY	LAST YR AS %CAPACITY	AVERAGE AS %CAPACITY	CURRENT AS %AVERAGE	CURRENT AS %LAST YR
	WYOMING AND SURROUNDING STATES				
ALCOVA	85	85	84	101	100
ANGOSTURA	38	33	80	47	114
BELLE FOURCHE	44	39	57	77	113
BIG SANDY	27	37	49	55	73
BIGHORN LAKE	64	57	63	102	113
BOYSEN	64	71	99	65	90
BUFFALO BILL	69	69	64	108	100
BULL LAKE	37	38	57	66	97
DEERFIELD	77	76	84	91	102
EDEN					NO REPORT
ENNIS LAKE	67	64	76	88	105
FLAMING GORGE	81	83	79	102	97
FONTENELLE	42	44	53	80	96
GLENDO	49	52	66	74	93
GRASSY LAKE	87	80	78	112	109
GUERNSEY	28	28	20	141	101
HEBGEN LAKE	75	77	71	106	97
JACKSON LAKE	38	75	58	65	50
KEYHOLE	30	28	53	57	108
PACTOLA	49	56	83	59	87
PALISADES	36	70	74	48	51
PATHFINDER	20	24	67	30	87
PILOT BUTTE	79	2	63	125	4150
SEMINOE	19	26	56	34	73
SHADEHILL	23	37	60	38	63
TONGUE RIVER	64	62	29	225	104
VIVA NAUGHTON RES	67	79	71	94	86
WHEATLAND #2	30	22	46	65	135
WOODRUFF NARROWS	44	82	44	99	53
TOTAL 28 RESERVOIRS	55	62	70	79	88

Raw KAF Totals Current=7298 Last Year=8249 Average=9262 Capacity=13288

BASIN SUMMARY OF
SNOW COURSE DATA

FEBRUARY 2008

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	1/30/08	33	7.9	8.1	9.5
ASTER CREEK	7750	2/05/08	72	20.0	12.9	19.6
BALD MOUNTAIN SNOTEL	9380	2/01/08	46	10.6	11.1	13.5
BASE CAMP SNOTEL	7030	2/01/08	---	12.4	9.8	12.7
BATTLE MTN. SNOTEL	7440	2/01/08	46	10.8	4.2	7.8
BEARLODGE DIVIDE	4680	1/30/08	11	2.1	.4	1.8
BEARTOOTH LK. SNOTEL	9280	2/01/08	68	17.2	12.1	16.2
BEAR TRAP SNOTEL	8200	2/01/08	27	5.5	3.1	3.5
BIG GOOSE	7760	1/29/08	13	1.6	2.5	4.0
BIG GOOSE SNOTEL	7760	2/01/08	22	5.3	3.7	6.0
BIG PARK	8620	1/30/08	41	9.9	9.7	12.3
BIG SANDY SNOTEL	9080	2/01/08	48	8.4	7.1	9.5
BLACKWATER SNOTEL	9780	2/01/08	63	16.7	13.0	16.6
BLIND BULL SNOTEL	8900	2/01/08	63	15.0	12.9	18.4
BLIND PARK SNOTEL	6870	2/01/08	20	3.8	2.3	5.2
BLUE RIDGE	9620	1/31/08	20	4.8	5.5	7.7
BONE SPGS. SNOTEL	9350	2/01/08	42	10.2	10.3	10.6
BROOKLYN LK. SNOTEL	10220	2/01/08	51	13.2	11.9	15.3
BURGESS JCT. SNOTEL	7880	2/01/08	30	7.2	6.5	7.4
BURROUGHS CRK SNOTEL	8750	2/01/08	46	10.9	8.5	10.1
CANYON SNOTEL	8090	2/01/08	52	11.7	7.0	8.9
CASPER MTN. SNOTEL	7850	2/01/08	28	6.7	7.0	9.0
CASTLE CREEK	8400	1/31/08	17	4.0	2.0	3.3
CCC CAMP	7000	1/31/08	32	6.9	6.2	8.4
CHALK CK #1 SNOTEL	9100	2/01/08	66	16.9	12.0	15.3
CHALK CK #2 SNOTEL	8200	2/01/08	42	8.5	8.6	9.9
CINNABAR PARK SNOTEL	9690	2/01/08	50	13.9	12.9	9.5
CLOUD PEAK SNOTEL	9850	2/01/08	40	9.3	6.7	8.1
COLE CANYON SNOTEL	5910	2/01/08	17	3.3	2.5	4.5
COLD SPRINGS SNOTEL	9630	2/01/08	20	4.0	4.0	6.0
COTTONWOOD CR SNOTEL	7700	2/01/08	---	14.2	10.8	14.2
CROW CREEK SNOTEL	8830	2/01/08	15	5.4	5.9	5.1
DEER PARK SNOTEL	9700	2/01/08	40	9.3	6.8	11.7
DITCH CREEK	6870	1/29/08	10	1.5	1.4	2.8
DIVIDE PEAK SNOTEL	8860	2/01/08	53	15.5	11.6	13.0
DOME LAKE SNOTEL	8880	2/01/08	34	6.7	5.8	7.9
DU NOIR	8760	1/29/08	27	5.4	3.3	5.8
EAST RIM DIV SNOTEL	7930	2/01/08	---	5.0	5.3	8.5
ELBO RANCH	7100	2/02/08	34	7.5	5.4	8.0
ELKHART PARK SNOTEL	9400	2/01/08	---	7.0	5.8	8.8
EVENING STAR SNOTEL	9200	2/01/08	75	19.4	14.6	19.7
FOUR MILE MEADOWS	7860	2/04/08	38	9.3	7.3	8.7
FOXPARK	9060	1/30/08	22	4.8	4.4	4.9
GEYSER CREEK	8500	1/29/08	23	4.3	3.0	4.8
GLADE CREEK	7040	2/05/08	58	14.8	10.9	16.1
GRAND TARGHEE SNOTEL	9260	2/01/08	101	32.7	23.7	--
GRANITE CRK SNOTEL	6770	2/01/08	---	11.0	7.9	12.4
GRANNIER MEADOWS	8860	1/31/08	36	8.8	5.8	9.1
GRASSY LAKE SNOTEL	7270	2/01/08	85	19.8	16.2	23.0
GRAVE SPRINGS SNOTEL	8550	2/01/08	26	5.5	3.8	5.7

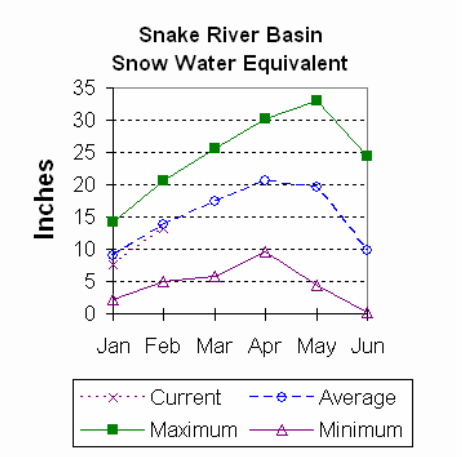
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GREYS BOUNDARY	5720	1/31/08	33	7.6	6.0	8.3
GROS VENTRE SNOTEL	8750	2/01/08	43	9.2	7.0	9.5
GROVER PARK DIVIDE	7000	1/31/08	30	6.9	4.4	7.5
HAIRPIN TURN	9480	1/30/08	37	8.5	8.8	11.1
HANSEN S.M. SNOTEL	8360	2/01/08	19	4.2	1.7	4.2
HAMS FORK SNOTEL	7840	2/01/08	---	6.7	5.3	8.4
HASKINS CREEK	8980	1/30/08	83	22.0	12.7	19.6
HOBACK GS	6640	1/29/08	30	6.2	5.0	--
HOBBS PARK SNOTEL	10100	2/01/08	34	8.4	6.6	9.8
HUCKLEBERRY DIVIDE	7300	2/05/08	61	16.1	11.1	14.2
INDIAN CREEK SNOTEL	9430	2/01/08	---	14.0	11.5	17.6
KELLEY R.S. SNOTEL	8180	2/01/08	---	8.6	7.4	10.7
KENDALL R.S. SNOTEL	7740	2/01/08	34	7.3	6.5	9.8
KIRWIN SNOTEL	9550	2/01/08	39	8.6	6.3	7.7
LAKE CAMP	7780	2/04/08	39	8.4	5.5	6.5
LA PRELE SNOTEL	8380	2/01/08	---	3.7	5.2	7.3
LARSEN CREEK	9020	1/28/08	29	5.9	3.9	8.4
LEWIS LAKE SNOTEL	7850	2/01/08	88	21.2	16.0	23.1
LIBBY LODGE	8750	1/30/08	33	7.0	5.6	7.8
LITTLE BEAR RUN	6240	1/29/08	15	2.4	.9	2.6
LITTLE WARM SNOTEL	9370	2/01/08	33	6.6	5.3	7.8
LOOMIS PARK SNOTEL	8240	2/01/08	---	10.0	7.2	11.2
LUPINE CREEK	7380	2/01/08	21	4.2	4.3	6.0
MALLO	6420	1/29/08	22	3.3	2.0	5.2
MARQUETTE SNOTEL	8760	2/01/08	12	2.1	1.6	5.9
MEDICINE LODGE LAKES	9340	1/30/08	30	5.8	3.2	7.5
MIDDLE FORK	7420	1/31/08	14	3.7	2.9	3.8
MIDDLE POWDER SNOTEL	7760	2/01/08	27	6.3	4.9	7.2
MORAN	6750	2/04/08	39	9.3	6.6	9.3
MOSS LAKE	9800	1/31/08	48	12.0	9.7	15.3
NEW FORK SNOTEL	8340	2/01/08	28	5.7	5.6	7.7
NORRIS BASIN	7500	1/31/08	36	9.0	6.3	7.6
NORTH BARRETT CREEK	9400	1/31/08	56	14.6	12.1	12.8
NORTH FRENCH SNOTEL	10130	2/01/08	74	20.4	15.2	18.4
NORTH RAPID CK SNTL	6130	2/01/08	17	4.3	3.3	5.0
NORTH TONGUE	8450	1/29/08	34	7.2	7.0	8.4
OLD BATTLE SNOTEL	9920	2/01/08	80	21.2	14.8	20.0
OLD FAITHFUL	7400	2/02/08	44	9.9	7.4	9.5
ONION GULCH	8780	1/28/08	21	4.4	1.8	5.2
OWL CREEK SNOTEL	8980	2/01/08	20	3.5	4.0	3.4
PARKERS PEAK SNOTEL	9400	2/01/08	71	17.2	11.5	14.8
PHILLIPS BNCH SNOTEL	8200	2/01/08	80	19.7	11.8	18.5
POLE MOUNTAIN	8700	1/31/08	24	5.3	7.3	6.1
POWDER RVR.PASS SNTL	9480	2/01/08	34	7.7	5.0	7.2
PURGATORY GULCH	8970	1/30/08	33	7.8	7.3	7.1
RANGER CREEK	8120	1/30/08	29	5.8	2.3	6.2
RENO HILL SNOTEL	8500	2/01/08	29	7.3	8.5	8.4
REUTER CANYON	6280	1/28/08	25	5.8	2.1	6.5
ROWDY CREEK	8300	1/29/08	43	10.6	8.0	14.6
RYAN PARK	8400	1/31/08	36	7.2	6.9	7.4
SAGE CK BASIN SNTL	7850	2/01/08	49	11.8	9.1	7.5
SALT RIVER SNOTEL	7600	2/01/08	---	7.5	6.8	9.2
SAND LAKE SNOTEL	10050	2/01/08	64	17.7	15.6	19.9
SANDSTONE RS SNOTEL	8150	2/01/08	---	11.8	5.6	9.7
SAWMILL DIVIDE	9260	1/29/08	37	8.0	7.1	8.8
SHELL CREEK SNOTEL	9580	2/01/08	48	10.6	8.7	9.9
SHERIDAN R.S.	7750	1/29/08	20	3.5	3.0	4.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SNAKE RIVER STATION	6920	2/05/08	51	12.8	10.4	14.1
SNAKE RV STA SNOTEL	6920	2/01/08	50	11.0	9.8	12.6
SNIDER BASIN SNOTEL	8060	2/01/08	40	7.4	6.7	9.8
SOLDIER PARK	8780	1/31/08	13	2.1	1.7	3.5
SOUR DOUGH	8460	1/31/08	17	2.8	2.4	4.2
SOUTH BRUSH SNOTEL	8440	2/01/08	36	8.5	8.2	7.4
SOUTH PASS SNOTEL	9040	2/01/08	40	8.2	8.0	11.4
SPRING CRK. SNOTEL	9000	2/01/08	63	13.7	11.3	17.4
ST LAWRENCE ALT SNTL	8620	2/01/08	20	3.7	3.4	4.8
SUCKER CREEK SNOTEL	8880	2/01/08	37	8.4	7.5	7.2
SYLVAN LAKE SNOTEL	8420	2/01/08	55	14.3	9.2	15.2
SYLVAN ROAD SNOTEL	7120	2/01/08	33	7.3	5.9	8.8
T CROSS RANCH	7900	1/28/08	23	3.4	3.9	5.3
TETON PASS W.S.	7740	2/01/08	74	17.6	11.3	18.5
THUMB DIVIDE SNOTEL	7980	2/01/08	51	11.2	8.0	11.8
THUMB DIVIDE	7980	2/05/08	45	11.5	7.4	12.2
TIE CREEK SNOTEL	6870	2/01/08	17	4.0	2.4	4.0
TIMBER CREEK SNOTEL	7950	2/01/08	11	2.0	1.5	3.6
TOGWOTEE PASS SNOTEL	9580	2/01/08	72	18.4	12.1	16.9
TOWNSEND CRK SNOTEL	8700	2/01/08	24	4.6	4.5	5.6
TRIPLE PEAK SNOTEL	8500	2/01/08	63	14.1	11.5	16.6
TURPIN MEADOWS	6900	2/04/08	34	7.6	6.9	7.6
TWO OCEAN SNOTEL	9240	2/01/08	89	25.3	16.2	19.0
TYRELL RANGER STA.	8300	1/28/08	20	4.1	1.9	5.2
UPPER SPEARFISH	6500	1/31/08	18	3.6	2.1	4.7
WEBBER SPRING SNOTEL	9250	2/01/08	---	16.4	11.5	16.1
WHISKEY PARK SNOTEL	8950	2/01/08	82	19.2	10.6	18.5
WILLOW CREEK SNOTEL	8450	2/01/08	---	18.1	14.0	20.2
WINDY PEAK SNOTEL	7900	2/01/08	20	4.8	5.1	4.5
WOLVERINE SNOTEL	7650	2/01/08	25	5.9	6.2	8.6
WOOD ROCK G.S.	8440	1/29/08	27	5.0	5.1	6.5
YOUNTS PEAK SNOTEL	8350	2/01/08	45	11.5	7.3	12.0

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is slightly below average. SWE in the Snake River Basin above Jackson Lake is 100% of average (138% of last year). Pacific Creek Basin SWE is 115% of average (144% of last year). Gros Ventre River Basin SWE is 102% of average (143% of last year). SWE in the Hoback River drainage is 84% of average (125% of last year). SWE in the Greys River drainage is 85% of average (123% of last year). In the Salt River area SWE is 90% of average (127% of last year). SWE in the Snake River Basin above Palisades is 95% of average (135% of last year). See the Basin Summary of Snow Courses at the beginning of this report for a detailed listing of snow course information.

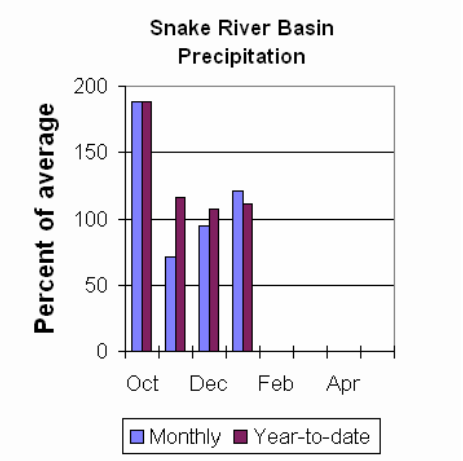


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 109% of average (207% of last year). Last month's percentages range from 76-139% of average. Water-year-to-date precipitation is 107% of average for the Snake River Basin (127% of last year). Year-to-date percentages range from 77-129% of average.

Reservoir

Current reservoir storage is 54% of average for the three storage reservoirs in the basin. Grassy Lake storage is about112% of average (13,200 ac-ft compared to 12,100 last year). Jackson Lake storage is 65% of average (319,400 ac-ft compared to 635,200 ac-ft last year). Palisades Reservoir storage is about 48% of average (503,200 ac-ft compared to 984,000 ac-ft last year). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for April through September are slightly below average for the basin. The Snake near Moran is 875,000 ac-ft (97% of average). Snake above reservoir near Alpine is 2,700,000 ac-ft (99% of average). The Snake near Irwin is 3,740,000 ac-ft (97% of average). The Snake near Heise is 3,970,000 ac-ft (95% of average). Pacific Creek at Moran is 200,000 ac-ft (112% of average). Greys River above Palisades Reservoir is 360,000 ac-ft (91% of average). Salt River near Etna is 370,000 ac-ft (88% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R Nr Moran							
APR-JUL	615	740	800	98	860	985	815
APR-SEP	665	810	875	97	940	1080	905
Snake R Nr Alpine							
APR-JUL	1820	2190	2360	100	2530	2900	2370
APR-SEP	2080	2510	2700	99	2890	3320	2730
Snake R nr Irwin							
APR-JUL	2430	2960	3200	96	3440	3970	3330
APR-SEP	2870	3470	3740	97	4010	4610	3870
Snake R nr Heise							
APR-JUL	2720	3110	3380	95	3650	4040	3560
APR-SEP	3220	3670	3970	95	4270	4720	4160
Pacific Ck At Moran							
APR-JUL	148	173	190	111	205	230	171
APR-SEP	156	182	200	112	220	245	178
Greys R Nr Alpine							
APR-JUL	210	265	300	88	335	390	340
APR-SEP	255	320	360	91	400	465	395
Salt R Nr Etna							
APR-JUL	159	245	300	88	355	440	340
APR-SEP	205	305	370	88	435	535	420

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

SNAKE RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	13.2	12.1	11.8
JACKSON LAKE	847.0	319.4	635.2	490.1
PALISADES	1400.0	503.2	984.0	1040.3

SNAKE RIVER BASIN

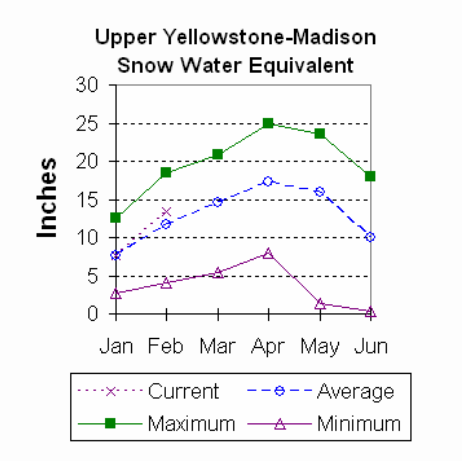
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	9	138	100
PACIFIC CREEK	3	144	115
GROS VENTRE RIVER	3	140	102
HOBACK RIVER	5	125	84
GREYS RIVER	5	125	87
SALT RIVER	5	127	90
SNAKE above Palisades	28	134	95

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been good so far this year and the SWE in both basins is above average for this month. Snow water equivalent (SWE) is about 118% of average (167% of last year) in the Madison drainage. SWE in the Yellowstone drainage is about 110% of average (147% of last year at this time). See the "Snow Course Basin Summary" at the beginning of this document for more details on specific sites.

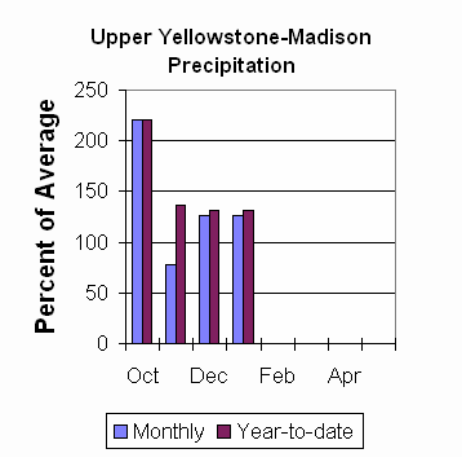


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 126% of average 201% of last year) for the 8 reporting stations -- percentages range from 88-171% of average. Water-year-to-date precipitation is about 131% of average (140% of last year's amount). Year to date percentage ranges from 111-166%.

Reservoir

Ennis Lake is storing about 27,400 ac-ft of water (67% of capacity, 88% of average or 105% of last year's volume). Hebgen Lake is storing about 281,600 ac-ft of water (75% of capacity, 106% of average or 97% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

All the following yields are the 50% exceedance forecasts from April through September. Yellowstone at Lake Outlet is 925,000 ac-ft (115% of average). Yellowstone at Corwin Springs will yield around 2,190,000 ac-ft (111% of average). Yellowstone near Livingston will yield around 2,520,000 ac-ft (111% of average). Hebgen Reservoir inflow is 550,000 ac-ft (110% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
YELLOWSTONE at Lake Outlet							
APR-JUL	570	640	690	117	740	810	590
APR-SEP	775	865	925	115	985	1070	805
YELLOWSTONE RIVER at Corwin Springs							
APR-JUL	1590	1740	1850	112	1960	2110	1650
APR-SEP	1880	2060	2190	111	2320	2500	1970
YELLOWSTONE RIVER near Livingston							
APR-JUL	1820	2000	2120	112	2240	2420	1900
APR-SEP	2160	2370	2520	111	2670	2880	2280
HEBGEN Reservoir Inflow							
APR-JUL	355	400	435	112	470	525	390
APR-SEP	450	510	550	110	595	660	500

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	27.4	26.1	31.3
HEBGEN LAKE	377.5	281.6	290.9	266.5

UPPER YELLOWSTONE & MADISON RIVER BASINS

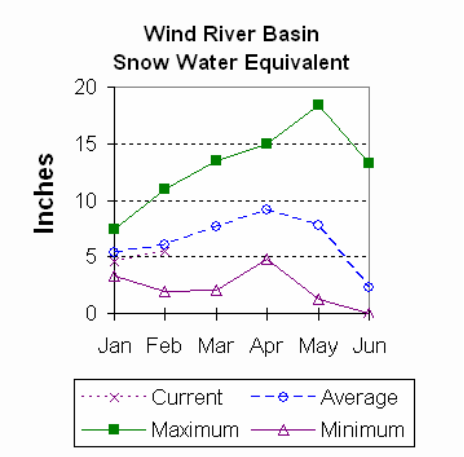
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	171	121
YELLOWSTONE RIVER in WY	12	147	110

Wind River Basin

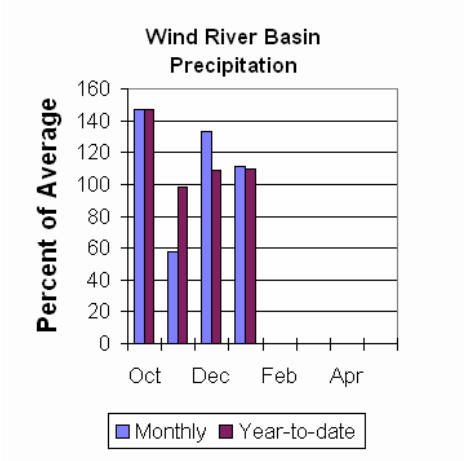
Snow

The Wind River Basin has below average snow water equivalent (SWE) for this time of the year. SWE in the Wind River above Dubois is 98% of average (139% of last year at this time). The Little Wind SWE is 83% of average water content (121% of last year), and the Popo Agie drainage SWE is about 81% of average (119% of last year). The Wind River Basin, above Boysen Reservoir SWE is about 89% of average (127% of last year). See the Basin Summary of Snow Course Data at the front of this report for details.



Precipitation

Last months precipitation in the basin varied from 32-253% of average. Precipitation, for the basin, was about 111% of average from the 13 reporting stations; that is about 131% of last year's amount. Water year-to-date precipitation is 110% of average and about 130% of last year at this time. Year-to-date percentages range from 81-185% of average.



Reservoirs

Current storage varies from 61-123% of average. Usable storage in Bull Lake is currently about 56,400 ac-ft (37% of capacity) - last year the reservoir was at 38% of capacity at this time. Boysen Reservoir is storing about 64% of capacity (382,600 ac-ft) – last year the reservoir was at 71% of capacity at this time. Pilot Butte is at 79% of capacity (24,900 ac-ft) – last year the reservoir was at 2% of capacity at this time. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following values reflect the 50% exceedance forecasts for the April through September runoff period. Dinwoody Creek near Burris is 98,000 ac-ft (104% of average). The Wind River above Bull Lake Creek is 455,000 ac-ft (85% of average). Bull Lake Creek near Lenore is 170,000 ac-ft (93% of average). Wind River at Riverton will yield around 515,000 ac-ft (81% of average). Little Popo Agie River near Lander is around 48,000 ac-ft (91% of average). South Fork of Little Wind near Fort Washakie will yield around 84,000 ac-ft (100% of average). Little Wind River near Riverton will yield around 285,000 ac-ft (91% of average). Boysen Reservoir inflow will yield around 625,000 ac-ft (77% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
DINWOODY CREEK nr Burris							
APR-JUL	55	64	70	105	76	85	67
APR-SEP	81	91	98	104	105	115	94
WIND RIVER abv Bull Lake Cr (2)							
APR-JUL	245	320	370	85	420	495	435
APR-SEP	325	400	455	85	510	585	535
BULL LAKE CR near Lenore							
APR-JUL	105	125	140	95	156	180	148
APR-SEP	129	153	170	93	188	215	182
WIND RIVER at Riverton (2)							
APR-JUL	275	375	445	82	515	615	545
APR-SEP	325	440	515	81	590	705	640
LT POPO AGIE RIVER nr Lander							
APR-JUL	26	35	42	91	50	62	46
APR-SEP	30	40	48	91	56	70	53
SF LT WIND nr Fort Washakie							
APR-JUL	54	66	74	101	82	94	73
APR-SEP	61	75	84	100	93	107	84
LT WIND RIVER nr Riverton							
APR-JUL	110	196	255	91	315	400	280
APR-SEP	129	220	285	91	350	440	315
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	193	415	565	79	715	935	717
APR-SEP	220	460	625	77	790	1030	809

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

WIND RIVER BASIN
Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	56.4	58.1	85.9
BOYSEN	596.0	382.6	423.1	592.0
PILOT BUTTE	31.6	24.9	0.6	20.0

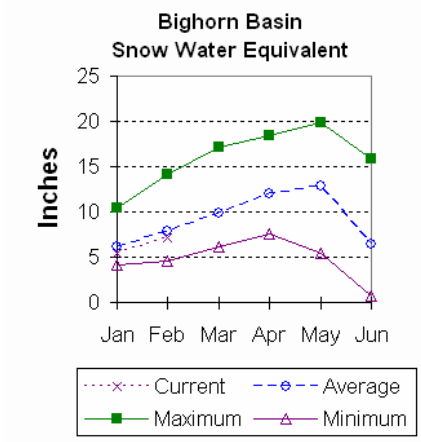
WIND RIVER BASIN
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	7	137	98
LITTLE WIND	2	121	83
POPO AGIE	7	119	81
WIND above Boysen Resv	14	127	89

Bighorn River Basin

Snow

Snowpack in this basin is below average for this time of year. The Nowood River is at 88% of average (168% of last year). The Greybull River SWE is at 94% of average (136% of last year). Shell Creek SWE is 93% of average (115% of last year). The Bighorn River Basin SWE, as a whole, is currently 91% of average (134% of last year). For more information see Basin Summary of Snow Courses at beginning of report.

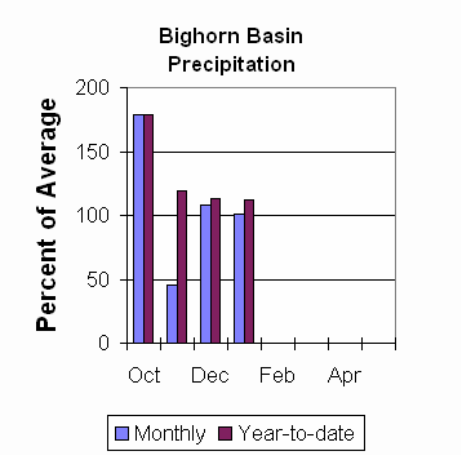


Precipitation

Last month's precipitation was 101% of average (119% of last year). Sites ranged from 27-226% of average for the month. Year-to-date precipitation is 112% of average; that is 135% of last year at this time. Year-to-date percentages, from the 15 reporting stations, range from 72-208%.

Reservoir

Boysen Reservoir is currently storing 382,600 ac-ft (65% of average). Bighorn Lake is now at 102% of average (872,700 ac-ft). Boysen is currently storing 90% of last year volume at this time and Big Horn Lake is storing 113% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow is 625,000 ac-ft (77% of average); the Greybull River near Meeteetse should yield around 172,000 ac-ft (86% of average); Shell Creek near Shell should yield around 72,000 ac-ft (100% of average) and the Bighorn River at Kane should yield around 890,000 ac-ft (80% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	193	415	565	79	715	935	717
APR-SEP	220	460	625	77	790	1030	809
GREYBULL RIVER nr Meeteetse							
APR-JUL	98	115	127	86	140	159	148
APR-SEP	135	156	172	86	188	215	200
SHELL CREEK nr Shell							
APR-JUL	47	55	60	100	65	73	60
APR-SEP	58	66	72	100	78	86	72
BIGHORN RIVER at Kane (2)							
APR-JUL	540	670	800	80	940	1060	1000
APR-SEP	600	745	890	80	1040	1180	1110

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

BIGHORN RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	382.6	423.1	592.0
BIGHORN LAKE	1356.0	872.7	770.3	859.5

BIGHORN RIVER BASIN

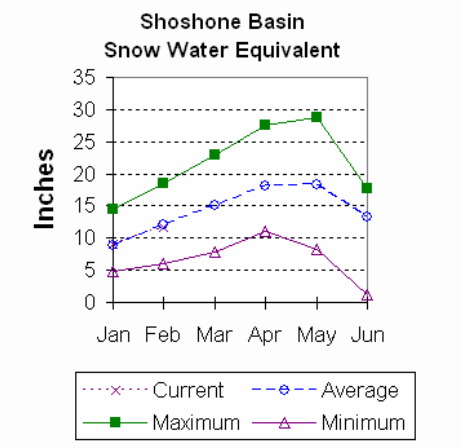
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	168	88
GREYBULL RIVER	2	136	94
SHELL CREEK	4	115	93
BIGHORN (Boysen-Bighorn)	11	134	91

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins are about average for this time of year. Snow Water Equivalent (SWE) is 91% of average (138% of last year) in the Shoshone River Basin. The Clarks Fork River Basin SWE is 105% of average (138% of last year). For more information see the Basin Summary of Snow Course Data at the beginning of this report.

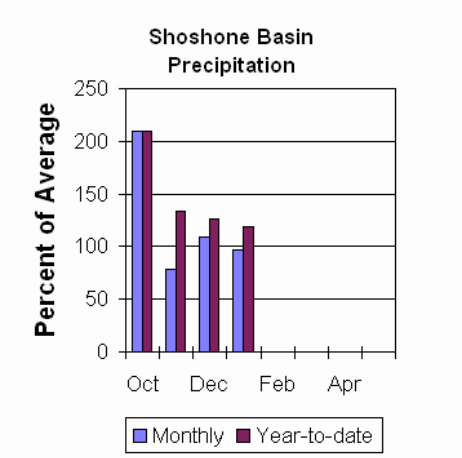


Precipitation

Precipitation for last month was 97% of average (137% of last year). Monthly percentages range from 3-255% of average. The basin year-to-date precipitation is now 119% of average (130% of last year). Year-to-date percentages range from 94-237% of average for the 13 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 108% of average (100% of last year's storage) – the reservoir is at about 69% of capacity. Currently, about 447,300 ac-ft are stored in the reservoir compared to 445,300 ac-ft last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The following values are the 50% exceedance forecasts for the April through September period. The North Fork Shoshone River at Wapiti is 575,000 ac-ft (111% of average). The South Fork of the Shoshone River near Valley is 285,000 ac-ft (108% of average), and the South Fork above Buffalo Bill Reservoir runoff is 245,000 ac-ft (109% of average). The Buffalo Bill Reservoir inflow is expected to yield around 845,000 ac-ft (105% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 655,000 ac-ft (110% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NF SHOSHONE RIVER at Wapiti							
APR-JUL	390	460	510	111	560	630	460
APR-SEP	455	525	575	111	625	695	520
SF SHOSHONE RIVER nr Valley							
APR-JUL	195	220	240	107	260	285	225
APR-SEP	235	265	285	108	305	335	265
SF SHOSHONE RIVER abv Buffalo Bill							
APR-JUL	167	210	235	109	260	305	215
APR-SEP	174	215	245	109	275	315	225
BUFFALO BILL DAM Inflow (2)							
APR-JUL	625	710	765	106	820	905	720
APR-SEP	700	785	845	105	905	990	805
CLARKS FORK RIVER nr Belfry							
APR-JUL	500	555	595	110	635	690	540
APR-SEP	555	615	655	110	695	755	595

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

SHOSHONE & CLARKS FORK RIVER BASINS

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	447.3	445.3	414.3

SHOSHONE & CLARKS FORK RIVER BASINS

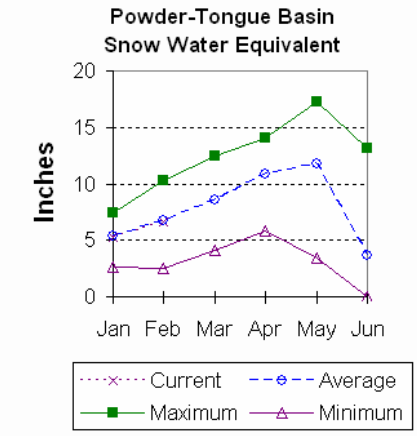
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	138	91
CLARKS FORK in WY	7	138	105

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 95% of average (113% of last year). The Goose Creek drainage is 88% of average and 120% of last year. SWE in the Clear Creek drainage is 92% of average and 147% of last year. Crazy Woman Creek drainage is 90% of average and 162% of last year. Upper Powder River drainage SWE is 103% of average and 161% of last year. Powder River basin SWE, in Wyoming is 98% of average and 155% of last year. For more information see Basin Summary of Snow Courses at beginning of report.

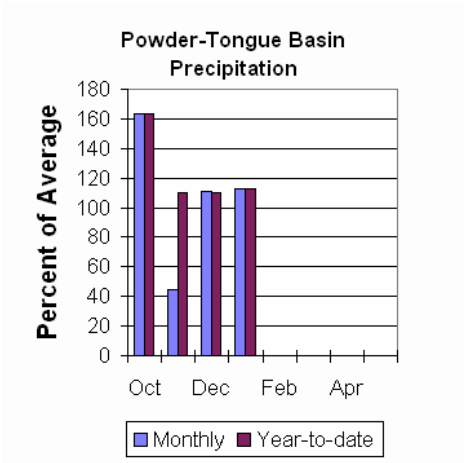


Precipitation

Last month's precipitation was 113% of average for the 12 reporting stations (127% of last year). Monthly percentages range from 65-162% of average. Year-to-date precipitation is 113% of average in the basin; this is 141% of last year at this time. Precipitation for the year ranges from 72-167% of average.

Reservoir

The Tongue River Reservoir is at 64% of capacity; 225% of average; and 104% of last year at 51,000 ac-ft.



Streamflow

The following runoff values are the 50% exceedance forecasts for the April through September period. The yield for Tongue River near Dayton is 105,000 ac-ft (96% of average). Big Goose Creek near Sheridan is 52,000 ac-ft (87% of average). Little Goose Creek near Bighorn is 36,000 ac-ft (86% of average). The Tongue River Reservoir Inflow is 250,000 ac-ft (100% of average). The Middle Fork of the Powder River near Barnum is 16,600 ac-ft (89% of average). The North Fork of the Powder River near Hazelton should yield around 11,000 ac-ft (106% of average). Rock Creek near Buffalo will yield about 26,000 ac-ft (108% of average), and Piney Creek at Kearny should yield about 57,000 ac-ft (110% of average). The Powder River at Moorehead is 270,000 ac-ft (117% of average). The Powder River near Locate is 310,000 ac-ft (119% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
TONGUE RIVER nr Dayton (2)							
APR-JUL	66	81	92	96	104	123	96
APR-SEP	75	93	105	96	118	135	109
BIG GOOSE CREEK nr Sheridan							
APR-JUL	28	37	45	87	53	67	52
APR-SEP	34	44	52	87	60	73	60
LITTLE GOOSE CREEK nr Big Horn							
APR-JUL	19.3	25	29	85	33	41	34
APR-SEP	26	32	36	86	41	48	42
TONGUE RIVER RESERVOIR Inflow (2)							
APR-JUL	138	185	220	100	260	320	220
APR-SEP	155	210	250	100	290	345	250
MIDDLE FORK POWDER nr Barnum							
APR-JUL	9.4	13.2	15.7	88	18.2	22	17.8
APR-SEP	10.2	14.0	16.6	89	19.2	23	18.7
NORTH FORK POWDER nr Hazelton							
APR-JUL	7.2	8.9	10.2	106	11.5	13.7	9.6
APR-SEP	7.9	9.7	11.0	106	12.4	14.6	10.4
ROCK CREEK nr Buffalo							
APR-JUL	14.1	18.6	22	111	26	32	19.9
APR-SEP	17.4	22	26	108	30	36	24
PINEY CREEK at Kearny							
APR-JUL	29	43	53	108	64	83	49
APR-SEP	33	46	57	110	69	88	52
POWDER RIVER at Moorehead							
APR-JUL	160	200	240	117	290	340	205
APR-SEP	180	225	270	117	325	380	230
POWDER RIVER nr Locate							
APR-JUL	215	250	280	119	315	345	235
APR-SEP	240	275	310	119	345	380	260

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

POWDER & TONGUE RIVER BASINS

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	51.0	48.9	22.7

POWDER & TONGUE RIVER BASINS

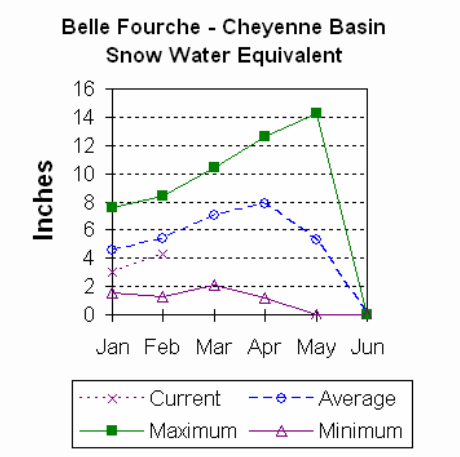
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	113	95
GOOSE CREEK	3	120	88
CLEAR CREEK	4	147	92
CRAZY WOMAN CREEK	3	162	90
UPPER POWDER RIVER	4	161	103
POWDER RIVER in WY	8	155	98

Belle Fourche and Cheyenne River Basins

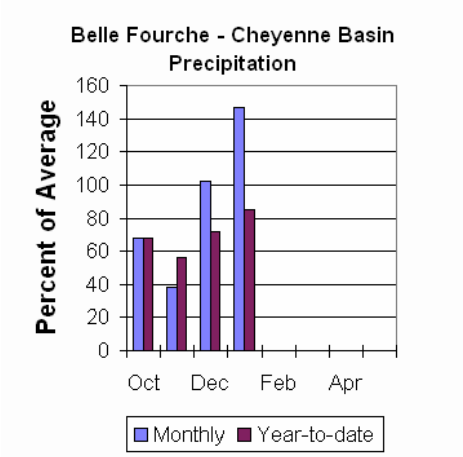
Snow

The Belle Fourche River Basin is currently at 80% of average or 179% of last year at this time. See the Basin summary of Snow Course Data at the beginning of this report for a detailed listing.



Precipitation

Precipitation for last month was 147% of average or 135% of last year in the Black Hills. There were 3 reporting stations. Monthly percentages range from 55-180%. Year-to-date precipitation is 85% of average and 118% of last year's amount. Yearly percentages range from 61-105% of average.



Reservoir

Current reservoir storage is around 59% of average in the basin. Angostura is currently storing 47% of average (46,300 ac-ft), about 38% of capacity. Belle Fourche reservoir is storing 77% of average (77,700 ac-ft), about 44% of capacity. Deerfield reservoir is storing 91% of average (11,700 ac-ft), about 77% of capacity. Keyhole reservoir is storing 57% of average (58,500 ac-ft), about 30% of capacity. Pactola reservoir is storing 59% of average (27,000 ac-ft), about 49% of capacity. Shadehill reservoir is storing 38% of average (18,900 ac-ft), about 23% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following runoff values are the 50% exceedance forecasts for the April through July period. The Deerfield Reservoir Inflow is 5,300 ac-ft (104% of average). Pactola Reservoir Inflow is expected to yield around 19,400 ac-ft (84% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
DEERFIELD RESERVOIR Inflow							
MAR-JUL	3.1	5.0	6.5	107	8.2	11.1	6.1
APR-JUL	2.6	4.1	5.3	104	6.6	8.9	5.1
PACTOLA RESERVOIR Inflow							
MAR-JUL	8.7	16.4	23	89	31	44	26
APR-JUL	6.8	13.5	19.4	84	26	38	23

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

BELLE FOURCHE & CHEYENNE RIVER BASINS
Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	46.3	40.7	98.1
BELLE FOURCHE	178.4	77.7	68.8	101.4
DEERFIELD	15.2	11.7	11.5	12.8
KEYHOLE	193.8	58.5	54.0	102.3
PACTOLA	55.0	27.0	31.0	45.8
SHADEHILL	81.4	18.9	29.9	49.1

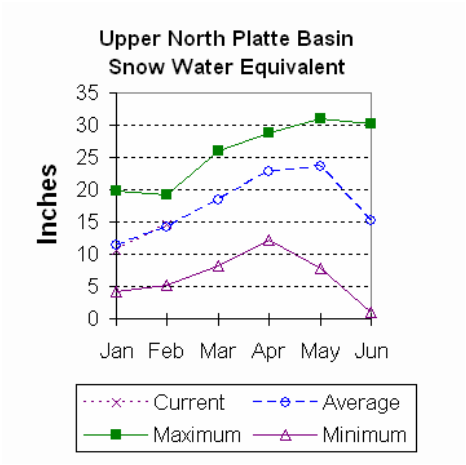
BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	8	187	81

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 102% of average (SWE) for this time of the year (127% of last year). SWE in the drainage area above Northgate is about 103% of average and 126% of last year at this time. SWE in the Encampment River drainage is about 105% of average and 146% of last year. Brush Creek SWE for the year is about 102% of average and 120% of last year's SWE. Medicine Bow and Rock Creek drainages SWE are about 85% of average and 115% of last year at this time. For more information see Basin Summary of Snow Courses at the beginning of this report.

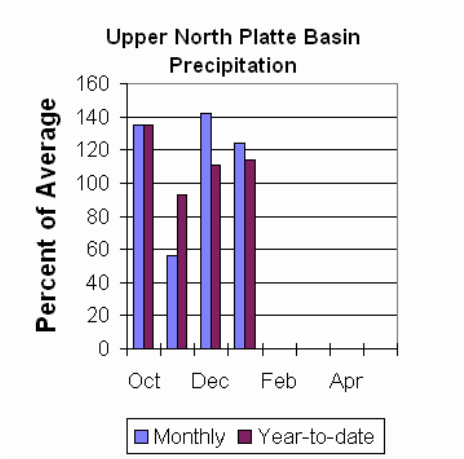


Precipitation

Eleven reporting stations show last month's precipitation at 124% of average or 175% of last year's amount. Precipitation varied from 26-218% of average last month. Total water-year-to-date precipitation is about 114% of average for the basin, which is about 123% of last year's amount. Year to date percentage ranges from 61-157% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 194,900 ac-ft or 19% of capacity. Seminoe Reservoir is also storing about 34% of average for this time of the year and 73% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The following yields are the 50% exceedance forecasts for the April through September period. Yield for the North Platte River near Northgate will be around 315,000 ac-ft (117% of average). The Encampment River near Encampment is 181,000 ac-ft (110% of average). Rock Creek near Arlington is 53,000 ac-ft (93% of average). Sweetwater River near Alcova runoff is 52,000 ac-ft (65% of average). Seminoe Reservoir inflow should be around 990,000 ac-ft (115% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NORTH PLATTE RIVER nr Northgate							
APR-JUL	171	235	285	116	340	430	245
APR-SEP	190	260	315	117	375	470	270
ENCAMPMENT RIVER nr Encampment							
APR-JUL	122	151	170	109	189	220	156
APR-SEP	131	161	181	110	200	230	165
ROCK CREEK nr Arlington							
APR-JUL	33	43	50	94	57	67	53
APR-SEP	35	46	53	93	60	71	57
SWEETWATER RIVER nr Alcova							
APR-JUL	21	36	48	65	62	86	74
APR-SEP	23	39	52	65	67	92	80
SEMINOE RESERVOIR Inflow (2)							
APR-JUL	585	775	920	115	1080	1330	800
APR-SEP	635	835	990	115	1160	1420	860

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

UPPER NORTH PLATTE RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	194.9	267.1	573.2

UPPER NORTH PLATTE RIVER BASIN

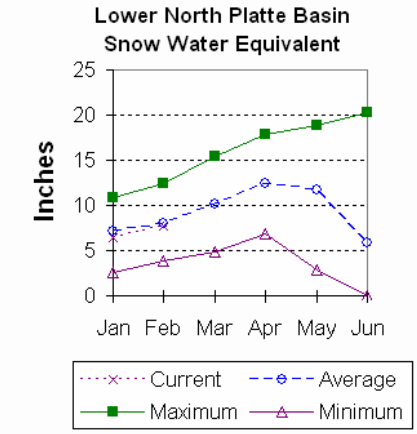
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	7	126	103
ENCAMPMENT RIVER	4	146	105
BRUSH CREEK	5	120	102
MEDICINE BOW & ROCK CREEKS	3	115	85
N PLATTE above Seminoe	19	127	102

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 97% of average (120% of last year). The Sweetwater drainage SWE is currently at 79% of average (131% of last year). Deer and LaPrele Creek SWE are at 70% of average (80% of last year). SWE for the North Platte above the Laramie River drainage is 98% of average (125% of last year). SWE for the Laramie River above Laramie is 106% of average (101% of last year). SWE for the Little Laramie River is 95% of average (107% of last year). The Laramie River above mouth, SWE is 100% of average (103% of last year). For more information see Basin Summary of Snow Courses at the beginning of this report.

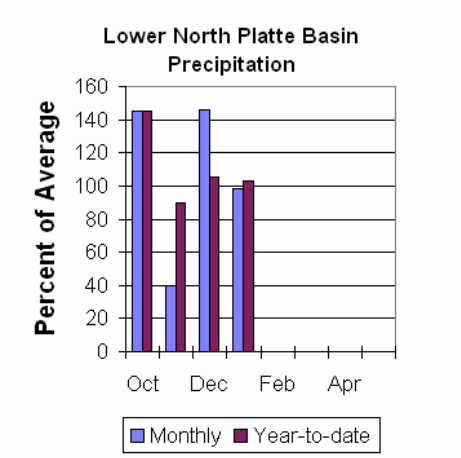


Precipitation

Last month's precipitation was 98% of average or 114% of last year's amount. Of the 16 reporting stations, percentages for the month range from 2-192%. The water year-to-date precipitation for the basin is currently 103% of average (100% of last year). Year-to-date percentages range from 69-156% of average.

Reservoir

The Lower North Platte River basin reservoir storage is below average at 30%. Reservoir storage is as follows: Alcova 156,400 ac-ft (101% of average); Glendo 246,500 ac-ft (74% of average); Guernsey 12,800 ac-ft (141% of average); Pathfinder 206,800 ac-ft (30% of average); Seminoe 194,900 ac-ft (34% of average); and Wheatland #2 29,500 ac-ft (65% of average).



Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. The Sweetwater near Alcova is forecast to yield about 52,000 ac-ft (65% of average). Deer Creek at Glenrock is forecast to yield 28,000 ac-ft (76% of average). LaPrele Creek above the reservoir is forecast to yield 17,000 ac-ft (71% of average). North Platte River below Glendo Reservoir is 1,100,000 ac-ft (111% of average), and below Guernsey Reservoir is anticipated to yield around 1,140,000 ac-ft (113% of average). Laramie River near Woods Landing should yield around 157,000 ac-ft (116% of average). The Little Laramie near Filmore should produce about 68,000 ac-ft (106% of average). See the following table for more detailed information on projected runoff.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
SWEETWATER RIVER nr Alcova							
APR-JUL	46	47	48	65	49	50	74
APR-SEP	50	51	52	65	53	54	80
DEER CREEK at Glenrock							
APR-JUL	7.7	17.8	27	73	38	58	37
APR-SEP	8.3	18.6	28	76	39	59	37
LaPRELE CREEK abv Reservoir							
APR-JUL	3.3	10.1	16.8	70	25	41	24
APR-SEP	3.4	10.2	17.0	71	25	41	24
NORTH PLATTE - Alcova to Orin Gain							
APR-JUL	28	43	106	70	169	260	152
APR-SEP	31	48	113	70	178	275	161
NORTH PLATTE RIVER blw Glendo Res (2)							
APR-JUL	805	965	1070	112	1180	1330	960
APR-SEP	820	990	1100	111	1210	1380	990
NORTH PLATTE RIVER blw Guernsey Res (2)							
APR-JUL	770	965	1100	113	1230	1430	970
APR-SEP	800	1000	1140	113	1280	1480	1010
LARAMIE RIVER nr Woods							
APR-JUL	84	119	143	116	167	200	123
APR-SEP	92	131	157	116	183	220	135
LITTLE LARAMIE RIVER nr Filmore							
APR-JUL	42	54	63	107	72	84	59
APR-SEP	44	58	68	106	78	92	64

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.
The average is computed for the 1971-2000 base period.
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	156.4	156.2	155.0
GLENDO	506.4	246.5	265.4	334.9
GUERNSEY	45.6	12.8	12.7	9.1
PATHFINDER	1016.5	206.8	239.0	678.3
SEMINOE	1016.7	194.9	267.1	573.2
WHEATLAND #2	98.9	29.5	21.8	45.3

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

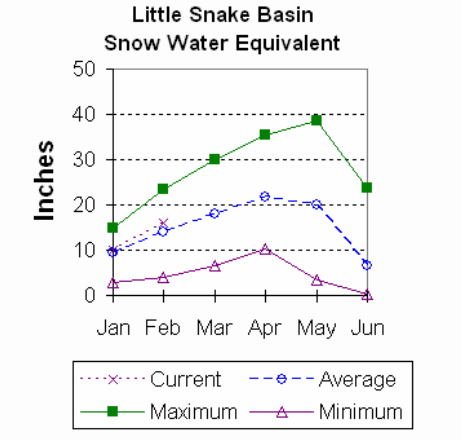
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	4	131	79
DEER & LaPRELE CREEKS	2	80	70
N PLATTE abv Laramie R.	25	125	98
LARAMIE RIVER abv Laramie	10	101	106
LITTLE LARAMIE RIVER	5	107	95
LARAMIE RIVER above mouth	13	103	100
NORTH PLATTE	31	120	97

Little Snake River Basin

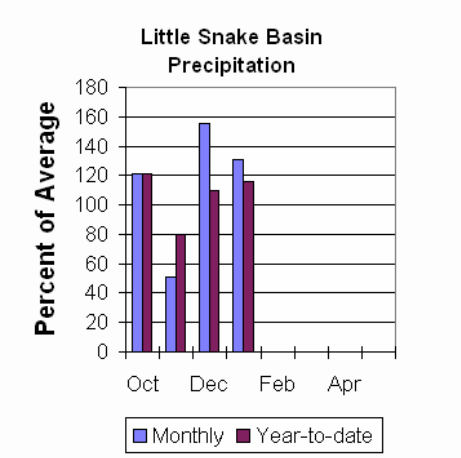
Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 115% of average (168% of last year). For more information see Basin Summary of Snow Courses at beginning of this report.



Precipitation

Precipitation across the basin was below average this past month. Last Month's precipitation was 131% of average (239% of last year) for the 5 reporting stations. Last month's precipitation ranged from 117-142% of average. The Little Snake River basin water-year-to-date precipitation is currently 116% of average (143% of last year). Year-to-date percentages range from 115-122% of average.



Reservoir

High Savery Dam - Pending

Streamflow

The 50% exceedance forecast for the Little Snake River drainage is expected to be about average this year. Stream yields are based on the 50% exceedance forecast for the April through July period. The Little Snake River near Slater should yield around 178,000 ac-ft (112% of average). The Little Snake River near Dixon is estimated to yield around 385,000 ac-ft (117% of average). See the following table for more detailed information on projected runoff.

LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Little Snake River nr Slater							
APR-JUL	129	157	178	112	200	235	159
Little Snake River nr Dixon							
APR-JUL	265	335	385	117	440	530	330

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

LITTLE SNAKE RIVER BASIN

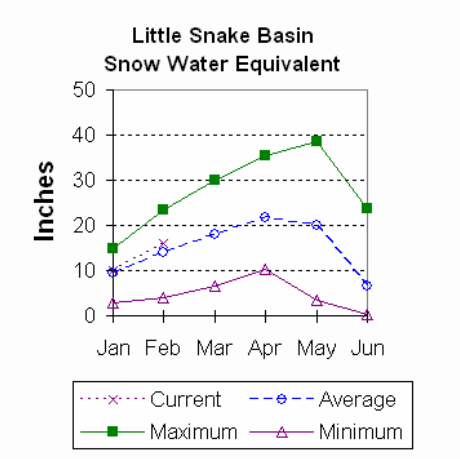
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	8	168	115

Upper Green River Basin

Snow

Snow water equivalent (SWE) is below average in the Upper Green River drainage this year. The Green River Basin SWE above Warren Bridge is at 81% (121% of last year). SWE on the west side of the Upper Green River Basin is about 79% of average (118% of last year). Newfork River Basin SWE is now about 77% of average (111% of last year). Big Sandy-Eden Valley Basin is at 80% or 130% of last year. SWE in the Green River Basin above Fontenelle Reservoir is about 79% of average (118% of last year). For more information see the Basin Summary of Snow Courses at the beginning of this report.

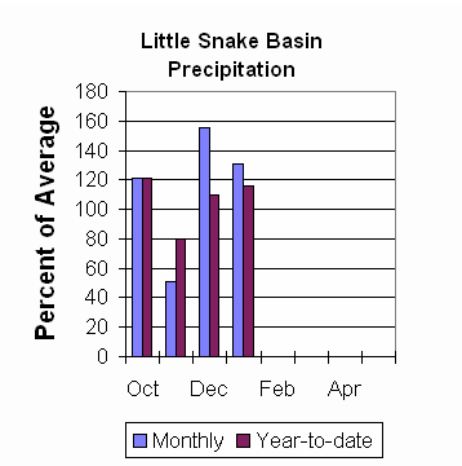


Precipitation

The 14 reporting precipitation sites in the basin were 110% of average last month (220% of last year). Last month's precipitation varied from 31-154% of average. Water year-to-date precipitation is about 92% of average (114% of last year). Year to date percentage of average ranges from 78-141% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 10,300 ac-ft or 27% of capacity. This is 55% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 146,200 ac-ft or 42% of capacity; 80% of average This is 78% of average for the Upper Green River basin. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Upper Green River Basin are forecast below average. The yield on the Green River at Warren Bridge is around 225,000 ac-ft (85% of average). Pine Creek above Fremont Lake is 90,000 ac-ft (87% of average). New Fork River near Big Piney is 315,000 ac-ft (80% of average). Fontenelle Reservoir Inflow is estimated to be 665,000 ac-ft (77% of average), and Big Sandy near Farson is expected to be around 45,000 ac-ft (78% of average). See the following table for more detailed information on projected runoff.

UPPER GREEN RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green River at Warren Bridge							
APR-JUL	174	205	225	85	250	285	265
Pine Creek abv Fremont Lake							
APR-JUL	74	83	90	87	97	107	104
New Fork River nr Big Piney							
APR-JUL	215	270	315	80	360	435	395
Fontenelle Reservoir Inflow							
APR-JUL	400	550	665	77	790	995	860
Big Sandy River nr Farson							
APR-JUL	31	39	45	78	52	63	58

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

UPPER GREEN RIVER BASIN
Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	10.3	14.2	18.6
EDEN		NO REPORT		
FONTENELLE	344.8	146.2	151.7	182.2

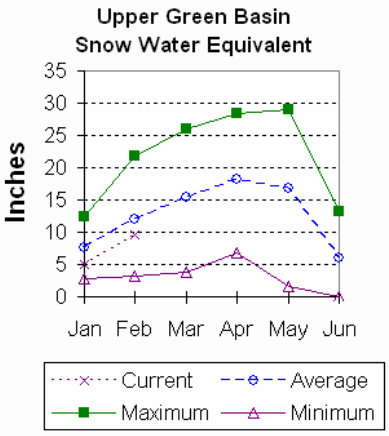
UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	122	81
UPPER GREEN (West Side)	7	118	79
NEWFORK RIVER	2	111	77
BIG SANDY/EDEN VALLEY	2	130	80
GREEN above Fontenelle	13	118	79

Lower Green River Basin

Snow

SWE in the Hams Fork Basin is 80% of average (116% of last year). Blacks Fork Basin SWE is currently 95% of average 115% of last year). The Henrys Fork drainage is at 75% of average (67% of last year). SWE in the Green River Basin above Flaming Gorge is 81% of average (116% of last year). For more information see Basin Summary of Snow Courses at beginning of this report.

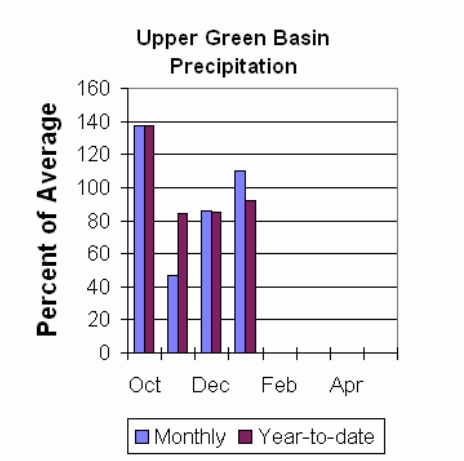


Precipitation

Precipitation was above average for the 4 reporting stations during last month at 100% of average or 289% of last year. Precipitation ranged from 26-128% of average for the month. The basin year-to-date precipitation is currently 76% of average (110% of last year). Year-to-date percentages range from 49-80% of average.

Reservoirs

Fontenelle Reservoir is currently storing 146,200 ac-ft; this is 80% of average (96% of last year). Flaming Gorge is currently storing 3,021,000 ac-ft; this is 102% of average (97% of last year). Viva Naughton is storing 28,500 ac-ft or 67% of capacity: this is 94% of average. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Lower Green River Basin are forecast below average. The Green River near Green River is forecast to yield about 670,000 ac-ft (77% of average). The Blacks Fork near Robertson is forecast to yield 80,000 ac-ft (84% of average). East Fork of Smiths Fork near Robertson is forecast to yield 23,000 ac-ft (79% of average). Hams Fork below Pole Creek near Frontier is 45,000 ac-ft (69% of average). The Hams Fork Inflow to Viva Naughton Reservoir is 59,000 ac-ft (66% of average). The Flaming Gorge Reservoir inflow will be about 840,000 ac-ft (71% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green River nr Green River, WY (2)							
APR-JUL	430	565	670	77	780	960	875
Blacks Fork nr Robertson							
APR-JUL	53	69	80	84	92	112	95
EF of Smiths Fork nr Robertson							
APR-JUL	13.8	19.0	23	79	27	35	29
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	25	36	45	69	55	71	65
Hams Fork Inf to Viva Naughton Res							
APR-JUL	31	47	59	66	73	95	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	470	675	840	71	1020	1320	1190

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

LOWER GREEN RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	146.2	151.7	182.2
FLAMING GORGE	3749.0	3110.0	3054.0	2966.0
VIVA NAUGHTON RES	42.4	28.5	33.3	30.3

LOWER GREEN RIVER BASIN

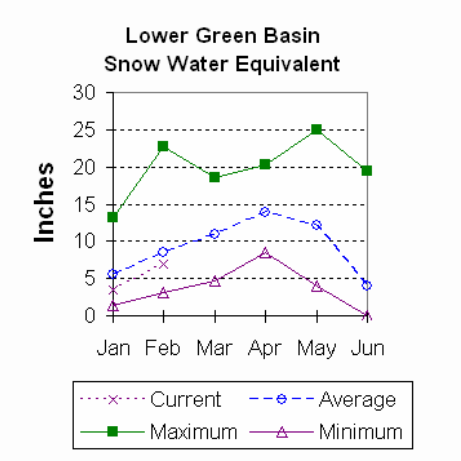
Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	116	80
BLACKS FORK	2	72	83
HENRYS FORK	2	123	112
GREEN above Flaming Gorge	21	114	81

Upper Bear River Basin

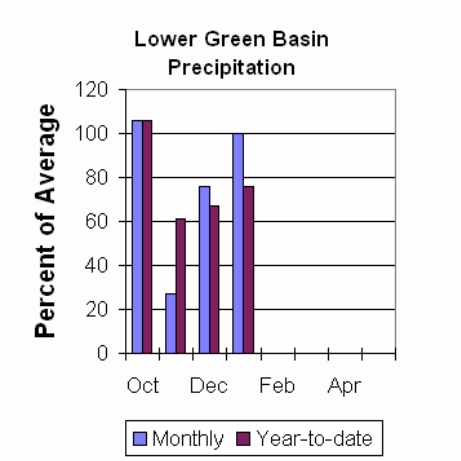
Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 101% of average; that is about 143% of last year at this time. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 80% of average (113% of last year). Bear River Basin SWE, above the Idaho State line, is 84% of average and 127% of last year. See the Basin Summary of Snow Course Data at the beginning of this report for more detailed information.



Precipitation

Precipitation for last month was 105% of average for the 2 reporting stations; this is 269% of the precipitation received last year. The year-to-date precipitation, for the basin, is 78% of average; this is 111% of last year's amount.



Reservoir

Storage, in Woodruff Narrows reservoir, is about 25,000 ac-ft (99% of average). Current reservoir storage is about 44% of capacity. Reservoir storage last year at this time was 47,000 ac-ft at this time.

Streamflow

The following 50% exceedance forecasts are for the April through September period. The Bear River near the Utah-Wyoming State Line is 130,000 ac-ft (104% of average). The Bear River above Reservoir near Woodruff is 145,000 ac-ft (102% of average). The Smiths Fork River near Border is 110,000 ac-ft (91% of average). See the following table for more detailed information on projected runoff.

UPPER BEAR RIVER BASIN

Streamflow Forecasts - February 1, 2008

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Bear River nr UT-WY State Line							
APR-JUL	86	106	120	106	134	154	113
APR-SEP	91	114	130	104	146	169	125
Bear River ab Reservoir nr Woodruff							
APR-JUL	82	114	136	100	158	190	136
APR-SEP	89	122	145	102	168	200	142
Smiths Fork nr Border							
APR-JUL	60	78	90	87	102	120	103
APR-SEP	76	96	110	91	124	144	121

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

UPPER BEAR RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WOODRUFF NARROWS	57.3	47.0	34.0	25.2

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - February 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	5	54	70
SMITHS & THOMAS FORKS	4	113	80
BEAR RIVER abv ID line	7	73	71
NORTHWEST	75	137	98
NORTHEST	23	129	91
SOUTHEAST	35	130	100
SOUTHWEST	30	120	90

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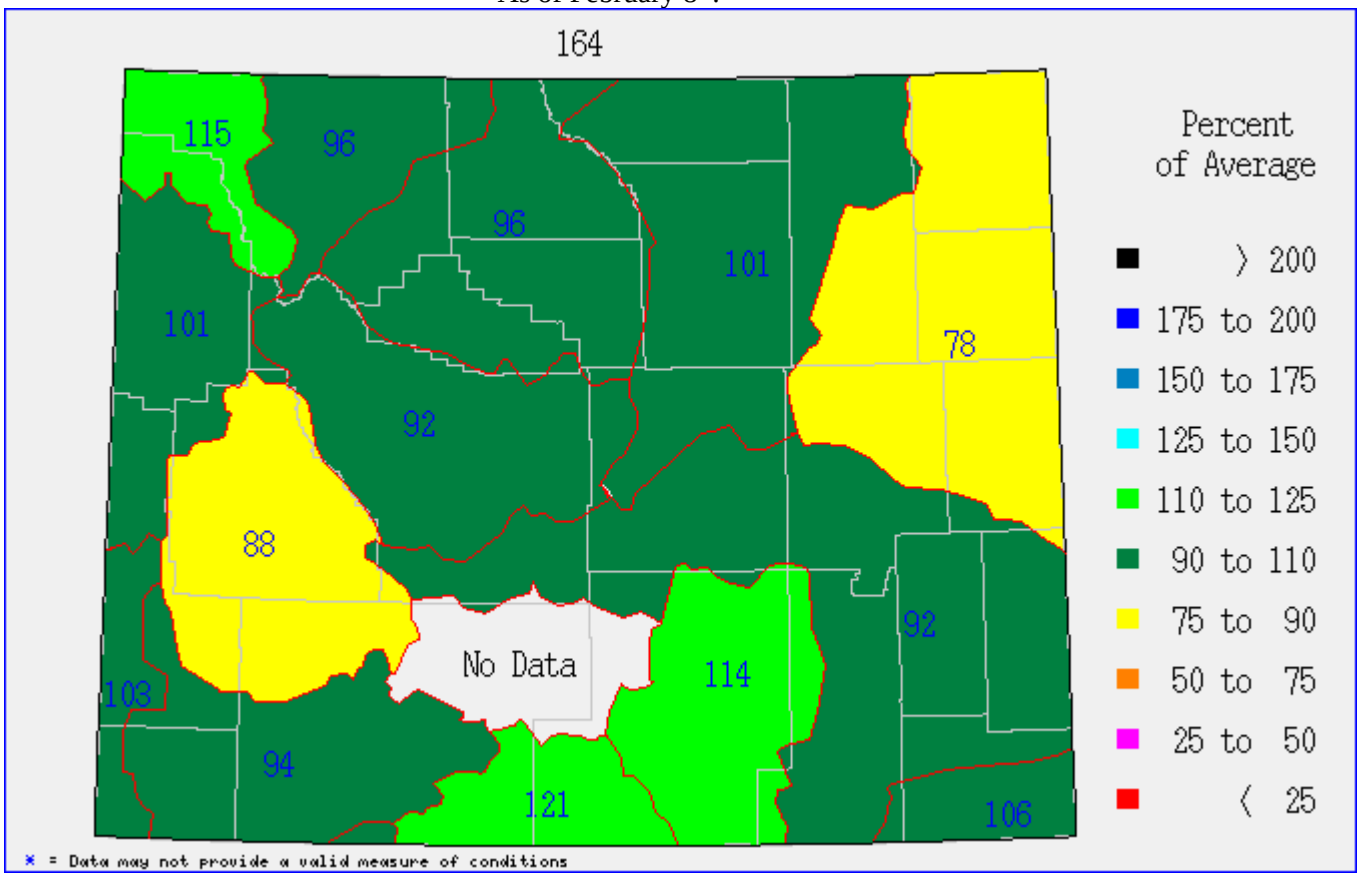
As of February 8th.



Wyoming
Basin Outlook Report

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