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Natural
Resources
Conservation
Service

Wyoming

Basin Outlook Report

April 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.

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Wyoming Water Supply Outlook Report

General

Generally, the snow water equivalent (SWE) across Wyoming is slightly above average for April 1st at 102% of average. Precipitation for last month in the basins varied from 87% of average to 161% of average for the State. Year-to-date precipitation is above average for the year and varies from 87-128% of average in the basins. Forecasted runoff varies from 65-178% of average across Wyoming for an overall average of 98%. Basin reservoir levels for Wyoming vary from 29-172% of average for an overall average of 81%.

Snowpack

Snow water equivalent (SWE), across Wyoming is slightly above average for this time of year at 102%. SWE in the NW portion of Wyoming is now about 106% of average (161% of last year). NE Wyoming SWE is currently about 108% of average (136% of last year). The SE portion of Wyoming SWE is currently about 105% of average (140% of last year). The SW portion of Wyoming SWE is about 94% of average (142% of last year).

Precipitation

Last month's precipitation was above average across most of Wyoming. The Little Snake River had the lowest precipitation for the month at 87% of average. The Yellowstone and Madison Basins had the highest precipitation amount at 161% 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	+56%	Upper North Platte River	-01%
Yellowstone & Madison	+61%	Lower North Platte	-01%
Wind River	+05%	Little Snake River	-13%
Big Horn	+06%	Upper Green River	+12%
Shoshone & Clarks Fork	+51%	Lower Green River	+13%
Powder & Tongue River	+16%	Upper Bear River	+04%
Belle Fourche & Cheyenne	+04%		

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 104% (varying from 65-130% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 102 and 116% of average, respectively -- 102-122% of average for the various forecast points in the basins. Yields from the Wind and Bighorn River Basins are expected to be about 96 and 98% of average, respectively -- varying from 88-110% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 115% of average -- varying from 108-122% of average. Yields from the Powder & Tongue River Basins are expected to be about 109% of average -- varying from 102-117% of average. Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 123% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 120 and 111% of average, respectively -- varying from 65-119% of average. Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 130, 75 and 106% of average respectively -- yield estimates vary from 67-124% of average.

Reservoirs

Reservoir storage varies across the state however reservoir storage is at 81% of average for the entire state. Reservoirs on the North Platte River are well below average at 50% of average. Most of the reservoirs in the northeast are below average in storage at 57%. Reservoirs in the Wind River Basin are below average at 63%. Reservoirs on the Big Horn are below average at 83%. The Buffalo Bill Reservoir on the Shoshone is around average at 96%. Reservoirs on the Green River are above average at 102%. 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
ALCOVA	85	87	87	98	98
ANGOSTURA	41	37	90	45	110
BELLE FOURCHE	55	54	73	76	103
BIG SANDY	32	41	54	58	77
BIGHORN LAKE	60	58	60	100	104
BOYSEN	68	71	110	62	96
BUFFALO BILL	70	71	73	96	99
BULL LAKE	37	38	69	54	98
DEERFIELD	76	79	89	86	97
EDEN			NO REPORT		
ENNIS LAKE	69	69	76	90	100
FLAMING GORGE	81	84	78	104	96
FONTENELLE	29	34	41	69	84
GLENDON	65	72	84	76	89
GRASSY LAKE	90	84	81	111	108
GUERNSEY	37	37	45	82	100
HEBGEN LAKE	73	73	69	106	100
JACKSON LAKE	41	75	57	72	55
KEYHOLE	33	30	59	56	111
PACTOLA	50	59	85	59	85
PALISADES	46	84	67	68	54
PATHFINDER	21	24	73	29	86
PILOT BUTTE	78	80	69	112	97
SEMINOE	19	34	49	39	56
SHADEHILL	23	37	78	29	61
TONGUE RIVER	65	79	38	172	83
VIVA NAUGHTON RES	66	88	66	101	75
WHEATLAND #2	38	33	55	69	115
WOODRUFF NARROWS	57	100	57	99	57
TOTAL 28 RESERVOIRS	57	66	70	81	86

Raw KAF Totals Current=7534 Last Year=8777 Average=9351 Capacity=13288

BASIN SUMMARY OF SNOW COURSE DATA

APRIL 2008

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00

WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	3/29/08	40	12.8	10.7	13.7
ASTER CREEK	7750	4/01/08	95	30.9	19.1	30.5
BALD MOUNTAIN SNOTEL	9380	4/01/08	65	17.1	19.3	19.9
BASE CAMP SNOTEL	7030	4/01/08	---	20.9	10.4	18.1
BATTLE MTN. SNOTEL	7440	4/01/08	45	16.9	5.5	11.0
BEARLODGE DIVIDE	4680	3/27/08	13	3.1	1.8	1.3
BEARTOOTH LK. SNOTEL	9280	4/01/08	93	26.0	17.9	23.6
BEAR TRAP SNOTEL	8200	4/01/08	41	9.5	4.5	5.2
BIG GOOSE	7760	3/27/08	29	5.1	--	7.1
BIG GOOSE SNOTEL	7760	4/01/08	42	9.3	9.4	10.7
BIG PARK	8620	3/27/08	66	17.7	14.7	19.4
BIG SANDY SNOTEL	9080	4/01/08	57	13.6	10.9	14.7
BLACKWATER SNOTEL	9780	4/01/08	100	26.5	19.0	24.8
BLIND BULL SNOTEL	8900	4/01/08	89	26.3	20.4	28.3
BLIND PARK SNOTEL	6870	4/01/08	39	8.1	1.4	8.7
BLUE RIDGE	9620	3/27/08	40	10.5	7.9	11.7
BONE SPGS. SNOTEL	9350	4/01/08	65	17.8	17.5	16.4
BROOKLYN LK. SNOTEL	10220	4/01/08	78	21.5	19.5	23.9
BURGESS JCT. SNOTEL	7880	4/01/08	50	12.5	13.0	11.7
BURROUGHS CRK SNOTEL	8750	4/01/08	63	16.5	11.3	14.8
CANYON SNOTEL	8090	4/01/08	67	18.3	11.1	13.9
CASPER MTN. SNOTEL	7850	4/01/08	50	13.2	12.9	14.6
CASTLE CREEK	8400	3/25/08	22	4.2	.4	4.8
CCC CAMP	7000	3/27/08	43	12.6	8.1	12.7
CHALK CK #1 SNOTEL	9100	4/01/08	80	26.8	19.0	24.9
CHALK CK #2 SNOTEL	8200	4/01/08	57	13.8	13.8	16.2
CINNABAR PARK SNOTEL	9690	4/01/08	70	21.4	19.0	17.9
CLOUD PEAK SNOTEL	9850	4/01/08	60	15.8	13.9	13.5
COLE CANYON SNOTEL	5910	4/01/08	28	6.3	2.7	6.9
COLD SPRINGS SNOTEL	9630	4/01/08	30	7.0	3.5	9.0
COTTONWOOD CR SNOTEL	7700	4/01/08	---	25.9	18.0	24.2
CROW CREEK SNOTEL	8830	4/01/08	24	7.7	5.5	9.0
DARBY CANYON	8250	4/01/08	79	26.7	16.0	24.5
DEER PARK SNOTEL	9700	4/01/08	55	15.7	12.0	17.1
DITCH CREEK	6870	3/27/08	16	4.2	.0	4.1
DIVIDE PEAK SNOTEL	8860	4/01/08	76	23.3	18.0	20.0
DOMELAKE SNOTEL	8880	4/01/08	55	11.9	12.8	12.6
DU NOIR	8760	3/28/08	34	7.7	2.6	8.3
EAST RIM DIV SNOTEL	7930	4/01/08	---	9.7	5.4	13.3
ELBO RANCH	7100	4/01/08	44	13.2	7.2	11.6
ELKHART PARK SNOTEL	9400	4/01/08	---	11.2	9.5	13.6
EVENING STAR SNOTEL	9200	4/01/08	106	31.1	20.4	30.1
FOUR MILE MEADOWS	7860	3/31/08	50	13.8	8.3	12.8
FOXPARK	9060	3/29/08	26	7.9	5.8	7.6
GEYSER CREEK	8500	3/28/08	29	6.7	2.0	7.1
GLADE CREEK	7040	4/02/08	82	26.6	14.8	24.3
GRAND TARGHEE SNOTEL	9260	4/01/08	139	49.7	35.8	--
GRANITE CRK SNOTEL	6770	4/01/08	---	19.2	9.9	18.6
GRANNIER MEADOWS	8860	3/27/08	50	11.1	9.6	14.1

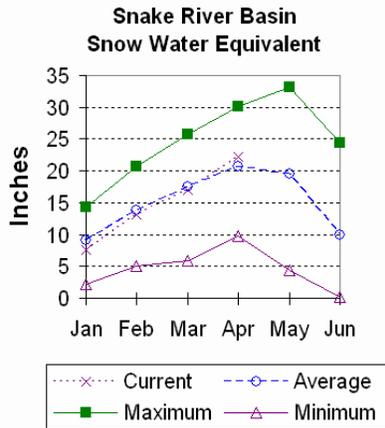
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GRASSY LAKE SNOTEL	7270	4/01/08	123	37.4	25.8	36.1
GRAVE SPRINGS SNOTEL	8550	4/01/08	45	10.2	7.7	9.4
GREYS BOUNDARY	5720	3/27/08	35	12.2	5.4	11.3
GROS VENTRE SNOTEL	8750	4/01/08	57	13.2	9.5	14.4
GROVER PARK DIVIDE	7000	3/27/08	39	11.1	4.2	11.2
HAIRPIN TURN	9480	3/30/08	54	16.0	11.5	16.3
HANSEN S.M. SNOTEL	8360	4/01/08	32	7.4	3.9	6.5
HAMS FORK SNOTEL	7840	4/01/08	---	12.6	7.5	12.0
HASKINS CREEK	8980	3/28/08	94	32.6	20.8	30.0
HOBACK GS	6640	3/26/08	42	11.9	4.0	--
HOBBS PARK SNOTEL	10100	4/01/08	54	14.3	12.8	15.1
HUCKLEBERRY DIVIDE	7300	4/01/08	77	25.3	14.3	21.3
INDIAN CREEK SNOTEL	9430	4/01/08	---	26.4	18.8	28.2
JACKPINE CREEK	7350	4/01/08	77	27.2	15.0	22.2
KELLEY R.S. SNOTEL	8180	4/01/08	---	15.6	13.0	17.1
KENDALL R.S. SNOTEL	7740	4/01/08	50	12.8	8.0	14.6
KIRWIN SNOTEL	9550	4/01/08	54	12.5	9.9	11.5
LAKE CAMP	7780	4/01/08	---	13.9E	7.3	10.4
LA PRELE SNOTEL	8380	4/01/08	37	8.4	7.9	11.0
LARSEN CREEK	9020	3/26/08	35	7.4	--	12.7
LEWIS LAKE SNOTEL	7850	4/01/08	113	36.0	22.1	35.8
LEWIS LAKE DIVIDE	7850	4/01/08	126	46.8	31.2	42.4
LIBBY LODGE	8750	3/30/08	40	11.9	5.9	10.9
LITTLE BEAR RUN	6240	3/27/08	17	4.0	.0	2.4
LITTLE WARM SNOTEL	9370	4/01/08	46	10.4	7.5	12.0
LOOMIS PARK SNOTEL	8240	4/01/08	---	16.9	9.4	17.5
LUPINE CREEK	7380	4/01/08	---	8.1E	1.2	9.3
MALLO	6420	3/27/08	31	8.0	.8	6.5
MARQUETTE SNOTEL	8760	4/01/08	38	7.2	2.7	9.0
MEDICINE LODGE LAKES	9340	3/29/08	44	10.7	6.1	11.1
MIDDLE FORK	7420	3/27/08	27	7.1	4.4	6.0
MIDDLE POWDER SNOTEL	7760	4/01/08	48	12.0	11.9	11.8
MORAN	6750	4/02/08	48	15.2	5.4	12.4
MOSS LAKE	9800	3/27/08	67	19.6	15.4	23.6
NEW FORK SNOTEL	8340	4/01/08	41	9.8	7.9	11.3
NORRIS BASIN	7500	4/01/08	---	14.4E	5.8	10.8
NORTH BARRETT CREEK	9400	3/27/08	71	21.6	16.6	21.5
NORTH FRENCH SNOTEL	10130	4/01/08	104	31.2	24.0	29.5
NORTH RAPID CK SNTL	6130	4/01/08	32	8.6	4.3	8.3
NORTH TONGUE	8450	3/29/08	50	13.0	8.2	13.0
OLD BATTLE SNOTEL	9920	4/01/08	108	33.8	23.8	32.4
OLD FAITHFUL	7400	4/01/08	---	13.8E	9.7	13.9
ONION GULCH	8780	3/28/08	32	7.1	4.9	8.3
OWL CREEK SNOTEL	8980	4/01/08	31	5.9	4.2	5.6
PARKERS PEAK SNOTEL	9400	4/01/08	93	27.4	18.1	21.9
PHILLIPS BNCH SNOTEL	8200	4/01/08	103	34.4	17.5	29.2
POCKET CREEK	9350	3/26/08	40	9.0	--	13.2
POLE MOUNTAIN	8700	3/31/08	37	9.8	9.4	8.4
POWDER RVR.PASS SNTL	9480	4/01/08	48	12.7	9.5	10.9
PURGATORY GULCH	8970	3/28/08	42	12.2	9.0	11.8
RANGER CREEK	8120	3/29/08	42	10.4	4.9	8.9
RENO HILL SNOTEL	8500	4/01/08	57	13.9	14.2	14.3
REUTER CANYON	6280	3/31/08	38	11.7	1.2	8.6
ROWDY CREEK	8300	3/27/08	75	21.8	13.4	21.6
RYAN PARK	8400	3/27/08	44	11.4	6.4	10.8
SAGE CK BASIN SNTL	7850	4/01/08	56	18.0	7.5	11.6

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SALT RIVER SNOTEL	7600	4/01/08	---	14.0	10.3	14.6
SAND LAKE SNOTEL	10050	4/01/08	98	28.4	24.5	32.7
SANDSTONE RS SNOTEL	8150	4/01/08	64	18.3	8.8	14.8
SAWMILL DIVIDE	9260	3/27/08	56	14.0	11.8	13.0
SHELL CREEK SNOTEL	9580	4/01/08	64	16.0	15.4	14.9
SHERIDAN R.S.	7750	3/24/08	22	5.5	2.2	5.8
SNAKE RIVER STATION	6920	4/01/08	72	22.9	11.9	20.9
SNAKE RV STA SNOTEL	6920	4/01/08	72	21.0	10.7	19.2
SNIDER BASIN SNOTEL	8060	4/01/08	54	14.1	10.0	14.7
SOLDIER PARK	8780	3/28/08	24	4.9	3.1	5.9
SOUR DOUGH	8460	3/28/08	32	6.3	5.8	7.1
SOUTH PASS SNOTEL	9040	4/01/08	58	14.9	12.4	16.7
SPRING CRK. SNOTEL	9000	4/01/08	88	23.4	19.0	26.9
ST LAWRENCE ALT SNTL	8620	4/01/08	30	7.0	4.1	7.4
SUCKER CREEK SNOTEL	8880	4/01/08	60	14.7	14.0	11.8
SYLVAN LAKE SNOTEL	8420	4/01/08	76	22.2	14.1	22.8
SYLVAN ROAD SNOTEL	7120	4/01/08	56	13.6	6.3	12.9
T CROSS RANCH	7900	3/25/08	29	6.7	1.8	7.2
TETON PASS W.S.	7740	4/01/08	87	29.3	15.8	27.6
THUMB DIVIDE SNOTEL	7980	4/01/08	75	19.4	11.8	19.2
THUMB DIVIDE	7980	4/01/08	66	18.2	11.2	19.1
TIE CREEK SNOTEL	6870	4/01/08	32	7.9	2.9	6.1
TIMBER CREEK SNOTEL	7950	4/01/08	23	4.5	3.1	5.8
TOGWOTEE PASS SNOTEL	9580	4/01/08	98	28.0	16.7	25.2
TOWNSEND CRK SNOTEL	8700	4/01/08	38	8.9	7.8	8.8
TRIPLE PEAK SNOTEL	8500	4/01/08	---	26.5	17.4	25.2
TURPIN MEADOWS	6900	3/31/08	44	18.2	6.9	10.2
TWO OCEAN SNOTEL	9240	4/01/08	120	38.1	23.4	28.4
TYRELL RANGER STA.	8300	3/28/08	35	7.8	4.2	7.6
UPPER SPEARFISH	6500	3/28/08	32	9.4	1.5	6.7
WEBBER SPRING SNOTEL	9250	4/01/08	88	26.6	17.4	26.4
WHISKEY PARK SNOTEL	8950	4/01/08	98	33.7	20.6	30.4
WILLOW CREEK SNOTEL	8450	4/01/08	---	34.1	20.5	30.6
WINDY PEAK SNOTEL	7900	4/01/08	35	8.7	6.6	8.1
WOLVERINE SNOTEL	7650	4/01/08	46	11.7	4.1	11.6
WOOD ROCK G.S.	8440	3/27/08	43	9.1	9.3	10.2
YOUNTS PEAK SNOTEL	8350	4/01/08	62	17.7	10.2	17.3

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is 107%, slightly above average. SWE in the Snake River Basin above Jackson Lake is 110% of average (170% of last year). Pacific Creek Basin SWE is 126% of average (189% of last year). Gros Ventre River Basin SWE is 106% of average (156% of last year). SWE in the Hoback River drainage is 93% of average (156% of last year). SWE in the Greys River drainage is 100% of average (146% of last year). In the Salt River area SWE is 105% of average (160% of last year). SWE in the Snake River Basin above Palisades is 107% of average (168% of last year). See the Basin Summary of Snow Courses at the beginning of this report for a detailed listing of snow course information.



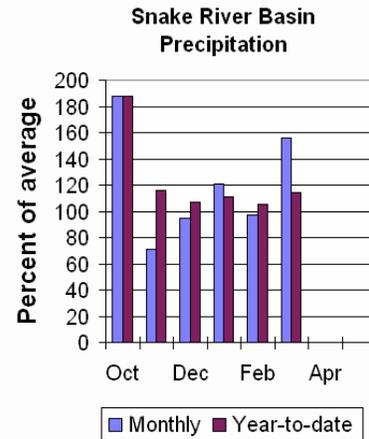
Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 156% of average (270% of last year). Last month's percentages range from 91-195% of average. Water-year-to-date precipitation is 114% of average for the Snake River Basin (138% of last year). Year-to-date percentages range from 83-243% of average.

Reservoir

Current reservoir storage is 70% of average for the three storage

reservoirs in the basin. Grassy Lake storage is about 111% of average (13,700 ac-ft compared to 12,700 last year). Jackson Lake storage is 72% of average (349,000 ac-ft compared to 636,400 ac-ft last year). Palisades Reservoir storage is about 68% of average (640,000 ac-ft compared to 1,178,600 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 above average for the basin. The Snake near Moran is 960,000 ac-ft (106% of average). Snake above reservoir near Alpine is 2,860,000 ac-ft (105% of average). The Snake near Irwin is 3,950,000 ac-ft (102% of average). The Snake near Heise is 4,240,000 ac-ft (102% of average). Pacific Creek at Moran is 200,000 ac-ft (112% of average). Greys River above Palisades Reservoir is 400,000 ac-ft (101% of average). Salt River near Etna is 430,000 ac-ft (102% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF)						30 Yr Avg (1000AF)
	90%	70%	50%	30%	10%		
Snake R Nr Moran							
APR-JUL	750	845	890	109	935	1030	815
APR-SEP	795	910	960	106	1010	1120	905
Snake R Nr Alpine							
APR-JUL	2180	2400	2500	106	2600	2820	2370
APR-SEP	2450	2730	2860	105	2990	3270	2730
Snake R nr Irwin							
APR-JUL	3030	3350	3500	105	3650	3970	3330
APR-SEP	3410	3780	3950	102	4120	4490	3870
Snake R nr Heise							
APR-JUL	3300	3540	3700	104	3860	4100	3560
APR-SEP	3770	4050	4240	102	4430	4710	4160
Pacific Ck At Moran							
APR-JUL	149	173	190	111	205	230	171
APR-SEP	158	183	200	112	215	240	178
Greys R Nr Alpine							
APR-JUL	300	330	350	103	370	400	340
APR-SEP	340	375	400	101	425	460	395
Salt R Nr Etna							
APR-JUL	260	320	360	106	400	460	340
APR-SEP	300	375	430	102	485	560	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 March

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
GRASSY LAKE	15.2	13.7	12.7	12.3
JACKSON LAKE	847.0	349.0	636.4	486.6
PALISADES	1400.0	640.0	1178.6	941.5

SNAKE RIVER BASIN

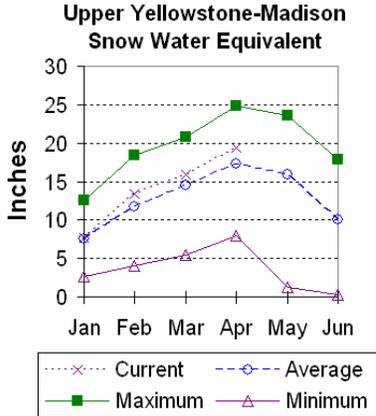
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SNAKE above Jackson Lake	9	170	110
PACIFIC CREEK	3	189	126
GROS VENTRE RIVER	3	156	106
HOBACK RIVER	5	156	93
GREYS RIVER	5	146	100
SALT RIVER	5	160	105
SNAKE above Palisades	28	168	107

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 117% of average (179% of last year) in the Madison drainage. SWE in the Yellowstone drainage is about 114% of average (167% 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 161% of average (366% of last year) for the 7 reporting stations -- percentages range from 142-193% of average. Water-year-to-date precipitation is about 128% of average (143% of last year's amount). Year to date percentage ranges from 112-152%.

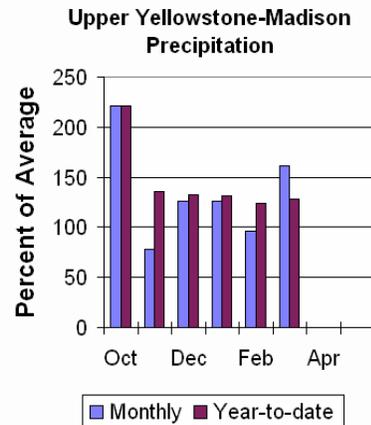
Reservoir

Ennis Lake is storing about 28,200 ac-ft of water (69% of capacity, 90% of average or 100% of last year's volume). Hebgen Lake is storing about 276,000 ac-ft of water (73% of capacity, 106% of average or 100% 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 April through September are above average for the basin. All the following yields are the 50% exceedance forecasts from April through September.

Yellowstone at Lake Outlet is 965,000 ac-ft (120% of average). Yellowstone at Corwin Springs will yield around 2,290,000 ac-ft (116% of average). Yellowstone near Livingston will yield around 2,640,000 ac-ft (116% of average). Hebgen Reservoir inflow is 545,000 ac-ft (109% of average). See the following page for detailed runoff volumes.



UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Avg Period	<=== Drier === Future Conditions === Wetter ===>						30 Yr
	90%	70%	Chance of Exceeding * 50% (% AVG.)		30%	10%	
(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)
YELLOWSTONE at Lake Outlet							
APR-JUL	620	680	720	122	760	820	590
APR-SEP	840	915	965	120	1020	1090	805
YELLOWSTONE RIVER at Corwin Springs							
APR-JUL	1690	1830	1930	117	2030	2170	1650
APR-SEP	2000	2170	2290	116	2410	2580	1970
YELLOWSTONE RIVER near Livingston							
APR-JUL	1920	2100	2220	117	2340	2520	1900
APR-SEP	2280	2500	2640	116	2780	3000	2280
HEBGEN Reservoir Inflow							
APR-JUL	365	405	430	110	460	500	390
APR-SEP	465	510	545	109	580	635	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 March

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
ENNIS LAKE	41.0	28.2	28.2	31.2
HEBGEN LAKE	377.5	276.0	275.4	259.6

UPPER YELLOWSTONE & MADISON RIVER BASINS

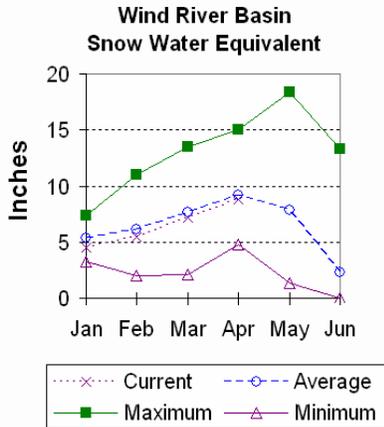
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
MADISON RIVER in WY	8	183	120
YELLOWSTONE RIVER in WY	12	170	116

Wind River Basin

Snow

The Wind River Basin has below average snow water equivalent (SWE 96%) for this time of the year. SWE in the Wind River above Dubois is 101% of average (179% of last year at this time). The Little Wind SWE is 95% of average water content (126% of last year), and the Popo Agie drainage SWE is about 92% of average (123% of last year). The Wind River Basin, above Boysen Reservoir SWE is about 96% of average (151% of last year). See the Basin Summary of Snow Course Data at the front of this report for details.



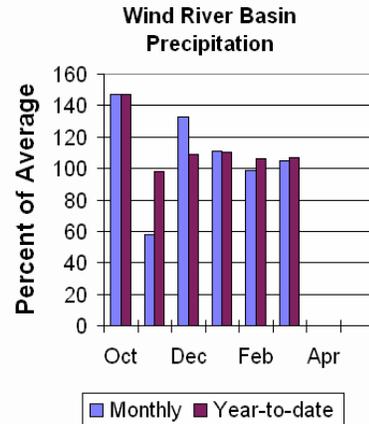
Precipitation

Last months precipitation in the basin varied from 17-126% of average. Precipitation, for the basin, was about 105% of average from the 13 reporting stations; that is about 112% of last year's amount. Water year-to-date precipitation is 107% of average and about 127% of last year at this time. Year-to-date percentages range from 84-137% of average.

Reservoirs

Current storage varies from 54-112% of average. Usable storage in Bull

Lake is currently about 56,800 ac-ft (54% of average) - the reservoir is about 98% of last year. Boysen Reservoir is storing about 62% of average (407,600 ac-ft) - the reservoir is about 96% of last year. Pilot Butte is at 112% of average (24,600 ac-ft) - the reservoir is about 97% 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 50% exceedance forecasts for the April through September runoff period for the basin are slightly below average. Dinwoody Creek near Burris is 103,000 ac-ft (110% of average). The Wind River above Bull Lake Creek is 550,000 ac-ft (103% of average). Bull Lake Creek near Lenore is 160,000 ac-ft (88% of average). Wind River at Riverton will yield around 635,000 ac-ft (99% of average). Little Popo Agie River near Lander is around 47,000 ac-ft (89% of average). South Fork of Little Wind near Fort Washakie will yield around 86,000 ac-ft (102% of average). Little Wind River near Riverton will yield around 285,000 ac-ft (91% of average). Boysen Reservoir inflow will yield around 775,000 ac-ft (96% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF)					30 Yr Avg (1000AF)	
	90%	70%	50%	30%	10%		
DINWOODY CREEK nr Burris							
APR-JUL	63	70	74	110	78	85	67
APR-SEP	90	98	103	110	108	116	94
WIND RIVER abv Bull Lake Cr (2)							
APR-JUL	355	410	445	102	480	535	435
APR-SEP	445	505	550	103	595	655	535
BULL LAKE CR near Lenore							
APR-JUL	103	119	130	88	142	160	148
APR-SEP	126	146	160	88	175	198	182
WIND RIVER at Riverton (2)							
APR-JUL	400	480	535	98	590	670	545
APR-SEP	475	570	635	99	700	795	640
LT POPO AGIE RIVER nr Lander							
APR-JUL	28	35	41	89	47	57	46
APR-SEP	33	41	47	89	54	64	53
SF LT WIND nr Fort Washakie							
APR-JUL	59	70	77	106	84	95	73
APR-SEP	64	77	86	102	95	108	84
LT WIND RIVER nr Riverton							
APR-JUL	118	200	255	91	310	390	280
APR-SEP	134	225	285	91	345	435	315
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	360	555	685	96	815	1010	717
APR-SEP	415	630	775	96	920	1130	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 March

Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
	BULL LAKE	151.8	56.8	57.9
BOYSEN	596.0	407.6	425.7	653.5
PILOT BUTTE	31.6	24.6	25.4	21.9

WIND RIVER BASIN

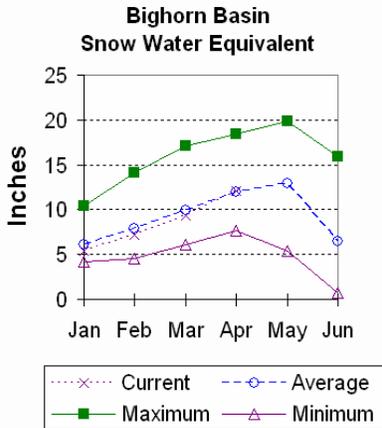
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
	WIND RIVER above Dubios	7	179
LITTLE WIND	2	126	95
POPO AGIE	7	123	92
WIND above Boysen Resv	14	151	96

Bighorn River Basin

Snow

Snowpack in this basin is about average for this time of year. The Nowood River is at 101% of average (137% of last year). The Greybull River SWE is at 98% of average (131% of last year). Shell Creek SWE is 102% of average (107% of last year). The Bighorn River Basin SWE, as a whole, is currently 101% of average (121% of last year). For more information see Basin Summary of Snow Courses at beginning of report.



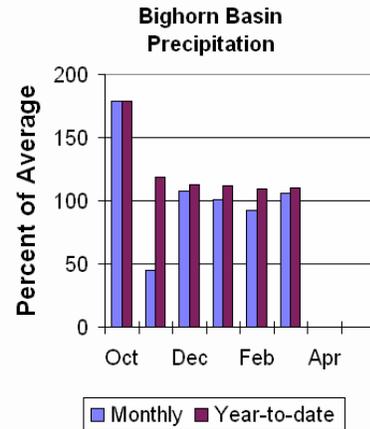
Precipitation

Last month's precipitation was 106% of average (83% of last year). Sites ranged from 35-143% of average for the month. Year-to-date precipitation is 110% of average; that is 112% of last year at this time. Year-to-date percentages, from the 14 reporting stations, range from 78-172%.

Reservoir

Boysen Reservoir is currently storing 407,600 ac-ft (62% of average).

Bighorn Lake is now at 100% of average (810,000 ac-ft). Boysen is currently storing 96% of last year volume at this time and Big Horn Lake is storing 109% 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 about average. Boysen Reservoir inflow is 775,000 ac-ft (96% of average); the Greybull River near Meeteetse should yield around 183,000 ac-ft (92% of average); Shell Creek near Shell should yield around 75,000 ac-ft (104% of average) and the Bighorn River at Kane should yield around 1,090,000 ac-ft (98% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN
Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
=====							
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	360	555	685	96	815	1010	717
APR-SEP	415	630	775	96	920	1130	809
GREYBULL RIVER nr Meeteetse							
APR-JUL	107	123	135	91	147	166	148
APR-SEP	149	169	183	92	198	220	200
SHELL CREEK nr Shell							
APR-JUL	51	58	63	105	68	75	60
APR-SEP	62	70	75	104	80	88	72
BIGHORN RIVER at Kane (2)							
APR-JUL	485	780	980	98	1180	1470	1000
APR-SEP	540	870	1090	98	1310	1640	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 March

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
BOYSEN	596.0	407.6	425.7	653.5
BIGHORN LAKE	1356.0	810.0	782.2	809.9

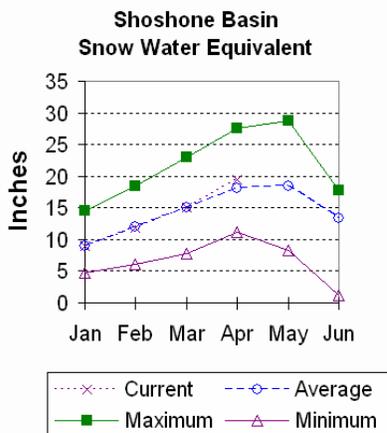
BIGHORN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
NOWOOD RIVER	5	137	101
GREYBULL RIVER	2	131	98
SHELL CREEK	4	107	102
BIGHORN (Boysen-Bighorn)	11	121	101

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins are above average for this time of year. Snow Water Equivalent (SWE) is 101% of average (163% of last year) in the Shoshone River Basin. The Clarks Fork River Basin SWE is 113% of average (161% of last year). For more information see the Basin Summary of Snow Course Data at the beginning of this report.



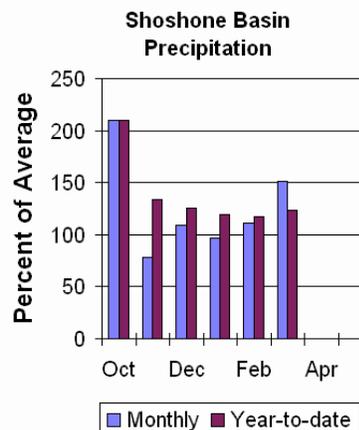
Precipitation

Precipitation for last month was 151% of average (226% of last year). Monthly percentages range from 83-200% of average. The basin year-to-date precipitation is now 123% of average (134% of last year). Year-to-date percentages range from 94-152% of average for the 12 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 96% of average (99% of

last year's storage) - the reservoir is at about 70% of capacity. Currently, about 455,200 ac-ft are stored in the reservoir compared to 460,000 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 the April through September period are expected to be above average for the basin. The North Fork Shoshone River at Wapiti is 600,000 ac-ft (115% of average). The South Fork of the Shoshone River near Valley is 295,000 ac-ft (111% of average), and the South Fork above Buffalo Bill Reservoir runoff is 255,000 ac-ft (113% of average). The Buffalo Bill Reservoir inflow is expected to yield around 870,000 ac-ft (108% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 725,000 ac-ft (122% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS
Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	Chance of Exceeding * (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
NF SHOSHONE RIVER at Wapiti							
APR-JUL	405	480	530	115	580	655	460
APR-SEP	470	545	600	115	655	730	520
SF SHOSHONE RIVER nr Valley							
APR-JUL	220	235	250	111	265	280	225
APR-SEP	255	280	295	111	310	335	265
SF SHOSHONE RIVER abv Buffalo Bill							
APR-JUL	190	225	245	114	265	300	215
APR-SEP	189	230	255	113	280	320	225
BUFFALO BILL DAM Inflow (2)							
APR-JUL	665	740	790	110	840	915	720
APR-SEP	710	805	870	108	935	1030	805
CLARKS FORK RIVER nr Belfry							
APR-JUL	585	625	655	121	685	725	540
APR-SEP	650	695	725	122	755	800	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 March

Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
BUFFALO BILL	646.6	455.2	460.0	475.1

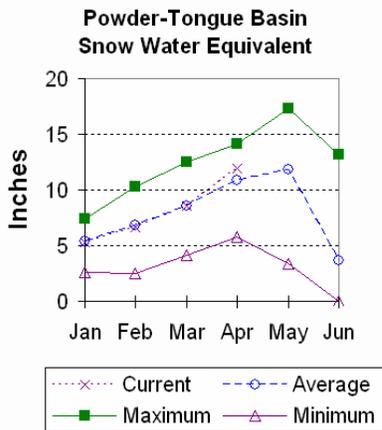
SHOSHONE & CLARKS FORK RIVER BASINS
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Percent of Average
SHOSHONE RIVER	6	163	101
CLARKS FORK in WY	7	161	113

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 105% of average (110% of last year). The Goose Creek drainage is 97% of average and 104% of last year. SWE in the Clear Creek drainage is 104% of average and 129% of last year. Crazy Woman Creek drainage is 99% of average and 129% of last year. Upper Powder River drainage SWE is 114% of average and 134% of last year. Powder River basin SWE, in Wyoming is 109% of average and 132% of last year. For more information see Basin Summary of Snow Courses at beginning of report.

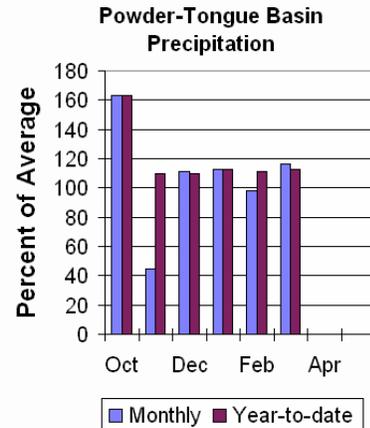


Precipitation

Last month's precipitation was 116% of average for the 11 reporting stations (80% of last year). Monthly percentages range from 53-142% of average. Year-to-date precipitation is 113% of average in the basin; this is 113% of last year at this time. Precipitation for the year ranges from 78-137% of average.

Reservoir

The Tongue River Reservoir is at 65% of capacity; 172% of average; and 83% of last year at 51,800



ac-ft.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be above average for the basin. The yield for Tongue River near Dayton is 113,000 ac-ft (104% of average). Big Goose Creek near Sheridan is 63,000 ac-ft (105% of average). Little Goose Creek near Bighorn is 43,000 ac-ft (102% of average). The Tongue River Reservoir Inflow is 260,000 ac-ft (104% of average). The Middle Fork of the Powder River near Barnum is 19,400 ac-ft (104% of average). The North Fork of the Powder River near Hazelton should yield around 12,000 ac-ft (115% of average). Rock Creek near Buffalo will yield about 27,000 ac-ft (113% of average), and Piney Creek at Kearny should yield about 60,000 ac-ft (115% of average). The Powder River at Moorehead is 260,000 ac-ft (113% of average). The Powder River near Locate is 300,000 ac-ft (115% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS
Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	Chance of Exceeding * =====	
TONGUE RIVER nr Dayton (2)							
APR-JUL	75	89	100	104	111	129	96
APR-SEP	85	101	113	104	126	145	109
BIG GOOSE CREEK nr Sheridan							
APR-JUL	38	48	55	106	63	76	52
APR-SEP	45	55	63	105	71	84	60
LITTLE GOOSE CREEK nr Big Horn							
APR-JUL	26	31	35	103	39	46	34
APR-SEP	33	39	43	102	48	55	42
TONGUE RIVER RESERVOIR Inflow (2)							
APR-JUL	157	200	235	107	270	330	220
APR-SEP	171	220	260	104	300	370	250
MIDDLE FORK POWDER nr Barnum							
APR-JUL	13.3	16.5	18.6	105	21	24	17.8
APR-SEP	13.9	17.2	19.4	104	22	25	18.7
NORTH FORK POWDER nr Hazelton							
APR-JUL	8.3	10.0	11.2	117	12.5	14.5	9.6
APR-SEP	9.0	10.7	12.0	115	13.3	15.4	10.4
ROCK CREEK nr Buffalo							
APR-JUL	15.2	19.7	23	116	27	32	19.9
APR-SEP	18.5	23	27	113	31	37	24
PINEY CREEK at Kearny							
APR-JUL	34	47	57	116	68	86	49
APR-SEP	37	50	60	115	71	89	52
POWDER RIVER at Moorehead							
APR-JUL	124	183	230	112	280	370	205
APR-SEP	148	210	260	113	315	405	230
POWDER RIVER nr Locate							
APR-JUL	136	215	265	113	315	395	235
APR-SEP	156	240	300	115	360	445	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	Reservoir Storage (1000AF) End of March		Usable Storage *****	
	Usable Capacity	*****	This Year	Last Year
TONGUE RIVER	79.1	51.8	62.1	30.1

POWDER & TONGUE RIVER BASINS

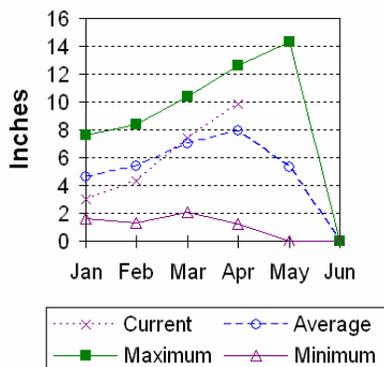
Watershed	Watershed Snowpack Analysis - April 1, 2008	
	Number of Data Sites	This Year as Percent of Last Year
UPPER TONGUE RIVER	10	110
GOOSE CREEK	3	104
CLEAR CREEK	4	129
CRAZY WOMAN CREEK	3	129
UPPER POWDER RIVER	4	134
POWDER RIVER in WY	8	132

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin is currently at 125% of average or 545% of last year at this time. See the Basin summary of Snow Course Data at the beginning of this report for a detailed listing.

**Belle Fourche - Cheyenne Basin
Snow Water Equivalent**



Precipitation

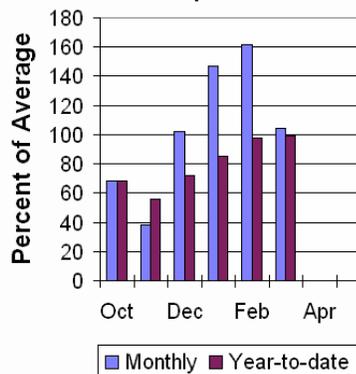
Precipitation for last month was 104% of average or 107% of last year in the Black Hills. There were 3 reporting stations. Monthly percentages range from 87-155%. Year-to-date precipitation is 99% of average and 109% of last year's amount. Yearly percentages range from 70-110% of average.

Reservoir

Current reservoir storage is around 57% of average in the basin. Angostura is currently storing 45% of average (49,900 ac-ft), about 41% of capacity. Belle Fourche reservoir is storing 76% of

average (98,900 ac-ft), about 55% of capacity. Deerfield reservoir is storing 86% of average (11,600 ac-ft), about 76% of capacity. Keyhole reservoir is storing 56% of average (64,100 ac-ft), about 33% of capacity. Pactola reservoir is storing 59% of average (27,400 ac-ft), about 50% of capacity. Shadehill reservoir is storing 29% of average (18,500 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.

**Belle Fourche - Cheyenne Basin
Precipitation**



Streamflow

The following runoff values are the 50% exceedance forecasts for the April through July period. The Deerfield Reservoir Inflow is 6,600 ac-ft (129% of average). Pactola Reservoir Inflow is expected to yield around 27,000 ac-ft (117% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - April 1, 2008

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=====
| <=== Drier === Future Conditions === Wetter ===> |
|=====|=====|=====|=====|=====|=====|
Forecast Pt |=====| Chance of Exceeding * =====|
Forecast    | 90%    70%    | 50%    | 30%    10%    | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)|(1000AF) (1000AF)| (1000AF)
=====
DEERFIELD RESERVOIR Inflow
APR-JUL     3.8    5.4    6.6    129    7.9    10.1    5.1
PACTOLA RESERVOIR Inflow
APR-JUL     13.0   21     27     117    34     46     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

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

```

=====
Reservoir      Usable Capacity ***** Usable Storage *****
                This Year   Last Year   Average
=====
ANGOSTURA      122.1      49.9      45.3      110.1
BELLE FOURCHE  178.4      98.9      96.0      130.9
DEERFIELD      15.2       11.6      12.0      13.5
KEYHOLE        193.8      64.1      57.8      113.5
PACTOLA        55.0       27.4      32.3      46.8
SHADEHILL      81.4       18.5      30.1      63.1
=====

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BELLE FOURCHE & CHEYENNE RIVER BASINS

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

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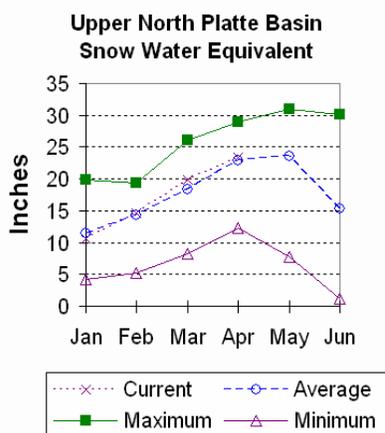
=====
Watershed      Number of Data Sites      This Year as Percent of
                Last Year      Average
=====
BELLE FOURCHE      8                545                125
=====

```

Upper North Platte River Basin

Snow

The SNOTELs above Seminoe Reservoir are showing about 102% of average (SWE) for this time of the year (133% of last year). SWE in the drainage area above Northgate is about 105% of average and 129% of last year at this time. SWE in the Encampment River drainage is about 105% of average and 150% of last year. Brush Creek SWE for the year is about 100% of average and 135% of last year's SWE. Medicine Bow and Rock Creek drainages SWE are about 87% of average and 117% of last year at this time. For more information see Basin Summary of Snow Courses at the beginning of this report.



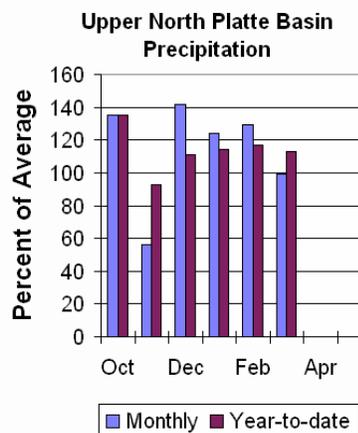
Precipitation

Eleven reporting stations show last month's precipitation at 99% of average or 120% of last year's amount. Precipitation varied from 44-163% of average last month. Total water-year-to-date precipitation is about 113% of average for the basin, which is about 122% of last year's amount. Year to date percentage ranges from 74-153% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 191,900 ac-ft or 19% of

capacity. Seminoe Reservoir is also storing about 39% of average for this time of the year and 56% 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 and are expected to be above average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 325,000 ac-ft (120% of average). The Encampment River near Encampment is 200,000 ac-ft (121% of average). Rock Creek near Arlington is 53,000 ac-ft (93% of average). Sweetwater River near Alcova runoff is 55,000 ac-ft (69% of average). Seminoe Reservoir inflow should be around 1,030,000 ac-ft (120% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN
Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg (1000AF)
	Chance of Exceeding * =====						
	90%	70%	50%	30%	10%		
	(1000AF)	(1000AF)	(1000AF) (% AVG.)	(1000AF)	(1000AF)	(1000AF)	
NORTH PLATTE RIVER nr Northgate							
APR-JUL	205	255	295	120	335	405	245
APR-SEP	220	280	325	120	370	450	270
ENCAMPMENT RIVER nr Encampment							
APR-JUL	151	173	188	121	205	225	156
APR-SEP	160	184	200	121	215	240	165
ROCK CREEK nr Arlington							
APR-JUL	37	45	50	94	55	63	53
APR-SEP	39	47	53	93	59	67	57
SWEETWATER RIVER nr Alcova							
APR-JUL	26	40	51	69	63	84	74
APR-SEP	28	43	55	69	68	90	80
SEMINOE RESERVOIR Inflow (2)							
APR-JUL	660	830	960	120	1100	1310	800
APR-SEP	710	895	1030	120	1180	1410	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 March

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
SEMINOE	1016.7	191.9	342.1	495.9

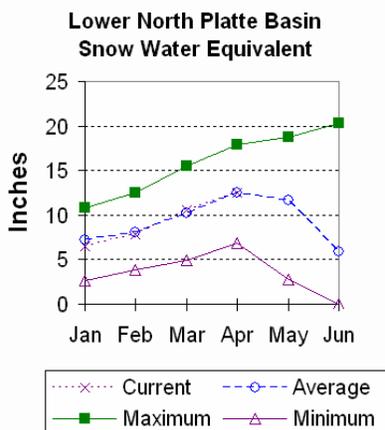
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
N PLATTE above Northgate	7	129	105
ENCAMPMENT RIVER	4	150	105
BRUSH CREEK	5	135	100
MEDICINE BOW & ROCK CREEKS	3	117	87
N PLATTE above Seminoe	19	133	102

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 100% of average (130% of last year). The Sweetwater drainage SWE is currently at 81% of average (123% of last year). Deer and LaPrele Creek SWE are at 88% of average (101% of last year). SWE for the North Platte above the Laramie River drainage is 99% of average (130% of last year). SWE for the Laramie River above Laramie is 108% of average (121% of last year). SWE for the Little Laramie River is 101% of average (126% of last year). The Laramie River above mouth, SWE is 105% of average (123% of last year). For more information see Basin Summary of Snow Courses at the beginning of this report.



Precipitation

Last month's precipitation was 99% of average or 94% of last year's amount. Of the 14 reporting stations, percentages for the month range from 33-134%. The water year-to-date precipitation for the basin is currently 103% of average (101% of last year). Year-to-date percentages range from 66-156% of average.

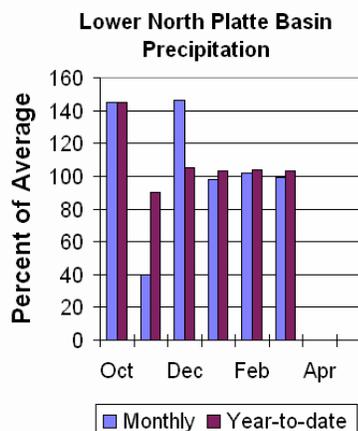
Reservoir

The Lower North Platte River basin reservoir storage is below average at 50%. Reservoir storage is as follows: Alcova 157,500 ac-ft (98% of average);

Glendo 326,700 ac-ft (76% of average);
 Guernsey 16,900 ac-ft (82% of average);
 Pathfinder 213,100 ac-ft (29% of average);
 Seminoe 191,900 ac-ft (39% of average); and
 Wheatland #2 37,700 ac-ft (69% 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 55,000 ac-ft (69% of average). Deer Creek at Glenrock is forecast to yield 31,000 ac-ft (84% of average). LaPrele Creek above the reservoir is forecast to yield 15,600 ac-ft (65% of average). North Platte - Alcova to Orin Gain is forecast to yield 132,000 ac-ft (82% of average). North Platte River below Glendo Reservoir is 1,150,000 ac-ft (116% of average), and below Guernsey Reservoir is anticipated to yield around 1,190,000 ac-ft (118% of average). Laramie River near Woods Landing should yield around 151,000 ac-ft (112% of average). The Little Laramie near Filmore should produce about 67,000 ac-ft (105% of average). See the following table for more detailed information on projected runoff.



LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
SWEETWATER RIVER nr Alcova							
APR-JUL	49	50	51	69	52	53	74
APR-SEP	53	54	55	69	56	57	80
DEER CREEK at Glenrock							
APR-JUL	11.0	22	31	84	42	61	37
APR-SEP	11.0	22	31	84	42	61	37
LaPRELE CREEK abv Reservoir							
APR-JUL	3.3	9.5	15.6	65	23	37	24
APR-SEP	3.2	9.5	15.6	65	23	37	24
NORTH PLATTE - Alcova to Orin Gain							
APR-JUL	49	62	124	82	186	275	152
APR-SEP	52	69	132	82	195	290	161
NORTH PLATTE RIVER blw Glendo Res (2)							
APR-JUL	770	970	1120	117	1300	1550	960
APR-SEP	780	990	1150	116	1330	1580	990
NORTH PLATTE RIVER blw Guernsey Res (2)							
APR-JUL	795	1000	1150	119	1330	1580	970
APR-SEP	820	1030	1190	118	1370	1640	1010
LARAMIE RIVER nr Woods							
APR-JUL	86	117	138	112	159	190	123
APR-SEP	93	128	151	112	174	210	135
LITTLE LARAMIE RIVER nr Filmore							
APR-JUL	45	55	62	105	69	79	59
APR-SEP	48	59	67	105	75	86	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 March

Reservoir	Usable	***** Usable Storage *****		Average
	Capacity	This Year	Last Year	
ALCOVA	184.3	157.5	160.4	160.1
GLENDO	506.4	326.7	365.5	427.8
GUERNSEY	45.6	16.9	16.9	20.6
PATHFINDER	1016.5	213.1	246.7	743.7
SEMINOE	1016.7	191.9	342.1	495.9
WHEATLAND #2	98.9	37.7	32.8	54.3

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

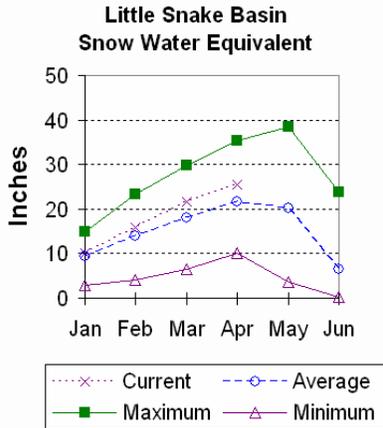
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SWEETWATER	4	123	81
DEER & LaPRELE CREEKS	2	101	88
N PLATTE abv Laramie R.	25	130	99
LARAMIE RIVER abv Laramie	11	121	108
LITTLE LARAMIE RIVER	5	126	101
LARAMIE RIVER above mouth	14	123	105
NORTH PLATTE	32	130	100

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 118% of average (167% of last year). For more information see Basin Summary of Snow Courses at beginning of this report.



Precipitation

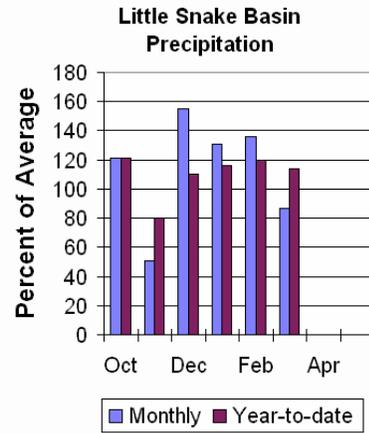
Precipitation across the basin was below average this past month. Last Month's precipitation was 87% of average (142% of last year) for the 5 reporting stations. Last month's precipitation ranged from 70-103% of average. The Little Snake River basin water-year-to-date precipitation is currently 114% of average (136% of last year). Year-to-date percentages range from 107-119% of average.

Reservoir

High Savery Dam - Pending

Streamflow

The 50% exceedance forecast for the Little Snake River drainage is expected to be well above 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 200,000 ac-ft (126% of average). The Little Snake River near Dixon is estimated to yield around 430,000 ac-ft (130% of average). See the following table for more detailed information on projected runoff.



LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - April 1, 2008

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt |===== Chance of Exceeding * =====|
Forecast    | 90%    70%    | 50%    | 30%    10%    | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)|(1000AF) (1000AF)| (1000AF)
=====
Little Snake River nr Slater
APR-JUL      154    180    200    126    220    250    159

Little Snake River nr Dixon
APR-JUL      295    370    430    130    490    590    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 - April 1, 2008

```

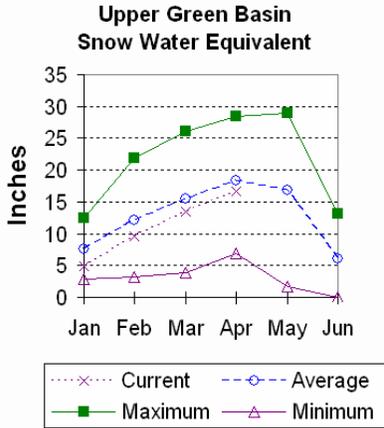
=====
Watershed          Number of          This Year as Percent of
                   Data Sites        Last Year          Average
=====
LITTLE SNAKE RIVER          8          167          118
=====

```

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 88% (156% of last year). SWE on the west side of the Upper Green River Basin is about 95% of average (137% of last year). Newfork River Basin SWE is now about 79% of average (121% of last year). Big Sandy-Eden Valley Basin is at 77% or 125% of last year. SWE in the Green River Basin above Fontenelle Reservoir is about 91% of average (141% of last year). For more information see the Basin Summary of Snow Courses at the beginning of this report.



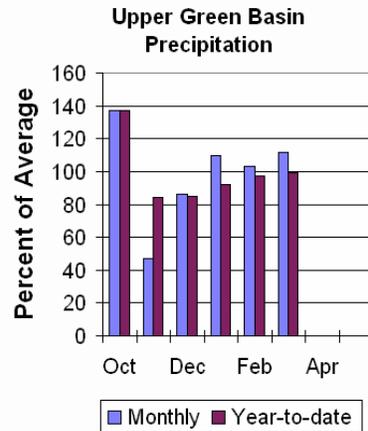
Precipitation

The 12 reporting precipitation sites in the basin were 112% of average last month (207% of last year). Last month's precipitation varied from 28-150% of average. Water year-to-date precipitation is about 99% of average (129% of last year). Year to date percentage of average ranges from 97-162% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 12,100 ac-ft or 32% of capacity. This is 58% of average.

Eden Reservoir - No Report. Fontenelle Reservoir is 99,200 ac-ft or 29% of capacity; 69% of average. This is 68% 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 230,000 ac-ft (87% of average). Pine Creek above Fremont Lake is 95,000 ac-ft (91% of average). New Fork River near Big Piney is 335,000 ac-ft (85% of average). Fontenelle Reservoir Inflow is estimated to be 705,000 ac-ft (82% of average), and Big Sandy near Farson is expected to be around 52,000 ac-ft (90% of average). See the following table for more detailed information on projected runoff.

UPPER GREEN RIVER BASIN
Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Green River at Warren Bridge							
APR-JUL	189	215	230	87	250	275	265
Pine Creek abv Fremont Lake							
APR-JUL	81	89	95	91	101	110	104
New Fork River nr Big Piney							
APR-JUL	240	295	335	85	375	445	395
Fontenelle Reservoir Inflow							
APR-JUL	475	605	705	82	810	980	860
Big Sandy River nr Farson							
APR-JUL	38	46	52	90	59	70	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 March

Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
BIG SANDY	38.3	12.1	15.8	20.7
EDEN		NO REPORT		
FONTENELLE	344.8	99.2	118.0	143.0

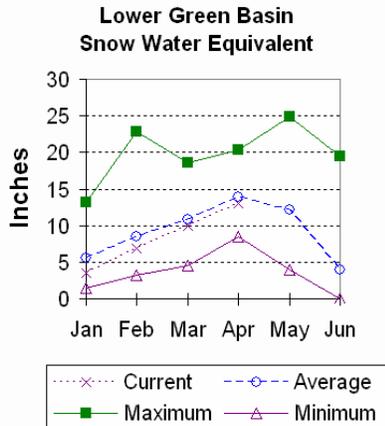
UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	156	88
UPPER GREEN (West Side)	7	137	95
NEWFORK RIVER	3	121	79
BIG SANDY/EDEN VALLEY	2	125	77
GREEN above Fontenelle	14	141	91

Lower Green River Basin

Snow

SWE in the Hams Fork Basin is 94% of average (134% of last year). Blacks Fork Basin SWE is currently 109% of average (176% of last year). The Henrys Fork drainage is at 95% of average (111% of last year). SWE in the Green River Basin above Flaming Gorge is 94% of average (142% 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 113% of average or 162% of last year. Precipitation ranged from 55-121% of average for the month. The basin year-to-date precipitation is currently 87% of average (117% of last year). Year-to-date percentages range from 70-89% of average.

Reservoirs

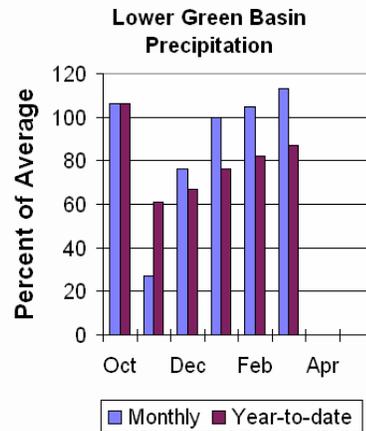
Fontenelle Reservoir is currently storing 111,400 ac-ft; this is 69% of average (84% of last year). Flaming Gorge is currently storing 3,021,000 ac-ft; this is 104% of

average (96% of last year). Viva Naughton is storing 28,200 ac-ft or 101% of average: this is 75% 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 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 710,000 ac-ft (81% of average).

The Blacks Fork near Robertson is forecast to yield 90,000 ac-ft (95% of average). East Fork of Smiths Fork near Robertson is forecast to yield 27,000 ac-ft (93% of average). Hams Fork below Pole Creek near Frontier is 53,000 ac-ft (82% of average). The Hams Fork Inflow to Viva Naughton Reservoir is 70,000 ac-ft (79% of average). The Flaming Gorge Reservoir inflow will be about 890,000 ac-ft (75% of average). See the following table for more detailed information on projected runoff.



LOWER GREEN RIVER BASIN
Streamflow Forecasts - April 1, 2008

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg (1000AF)
	Chance of Exceeding * (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF)						
Green River nr Green River, WY (2)							
APR-JUL	490	615	710	81	810	970	875
Blacks Fork nr Robertson							
APR-JUL	65	79	90	95	101	119	95
EF of Smiths Fork nr Robertson							
APR-JUL	17.4	23	27	93	31	39	29
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	37	46	53	82	60	72	65
Hams Fork Inf to Viva Naughton Res							
APR-JUL	47	60	70	79	81	98	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	525	730	890	75	1060	1350	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 March

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
FONTENELLE	344.8	99.2	118.0	143.0
FLAMING GORGE	3749.0	3166.0	3022.0	2920.0
VIVA NAUGHTON RES	42.4	28.1	37.3	27.8

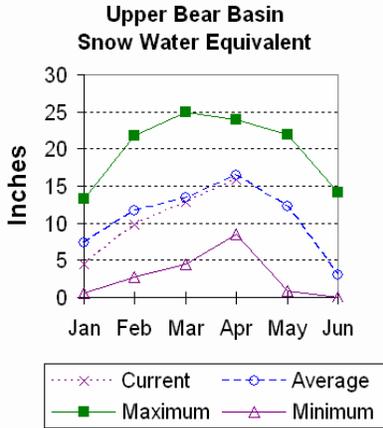
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2008

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
HAMS FORK RIVER	4	134	94
BLACKS FORK	5	57	62
HENRYS FORK	3	80	85
GREEN above Flaming Gorge	26	114	86

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 106% of average; that is about 171% of last year at this time. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 93% of average (130% of last year). Bear River Basin SWE, above the Idaho State line, is 97% of average and 149% of last year. See the Basin Summary of Snow Course Data at the beginning of this report for more detailed information.



Precipitation

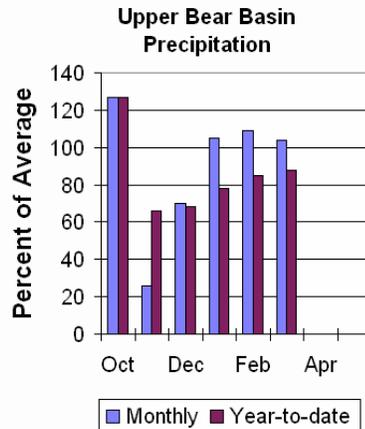
Precipitation for last month was 104% of average for the 2 reporting stations; this is 166% of the precipitation received last year. The year-to-date precipitation, for the basin, is 88% of average; this is 118% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 32,500 ac-ft (99% of average). Current reservoir storage is about 57% of capacity. Reservoir storage last year at this time was 57,300 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 135,000 ac-ft (108% of average). The Bear River above Reservoir near Woodruff is 148,000 ac-ft (104% of average). The Smiths Fork River near Border is 97,000 ac-ft (80% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN
Streamflow Forecasts - April 1, 2008

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt |===== Chance of Exceeding * =====|
Forecast    | 90%    70%    | 50%    | 30%    10%    | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)|(1000AF) (1000AF)| (1000AF)
=====
Bear River nr UT-WY State Line
APR-JUL      97    111    120    106    129    143    113
APR-SEP     108    124    135    108    146    162    125

Bear River ab Reservoir nr Woodruff
APR-JUL      98    123    140    103    157    182    136
APR-SEP     105    131    148    104    165    191    142

Smiths Fork nr Border
APR-JUL      63     74     82     80     90    101    103
APR-SEP      75     88     97     80    106    119    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 March

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
Reservoir
=====
WOODRUFF NARROWS      57.3      57.3      42.0      32.7
=====

```

UPPER BEAR RIVER BASIN
Watershed Snowpack Analysis - April 1, 2008

```

=====
Number of This Year as Percent of
Data Sites Last Year Average
Watershed
=====
UPPER BEAR RIVER in Utah      7      53      62
SMITHS & THOMAS FORKS        4     130      93
BEAR RIVER abv ID line        9      81      76
NORTHWEST                     75     161     107
NORTHEAST                     23     136     108
SOUTHEAST                     35     140     104
SOUTHWEST                     35     123      93
=====

```

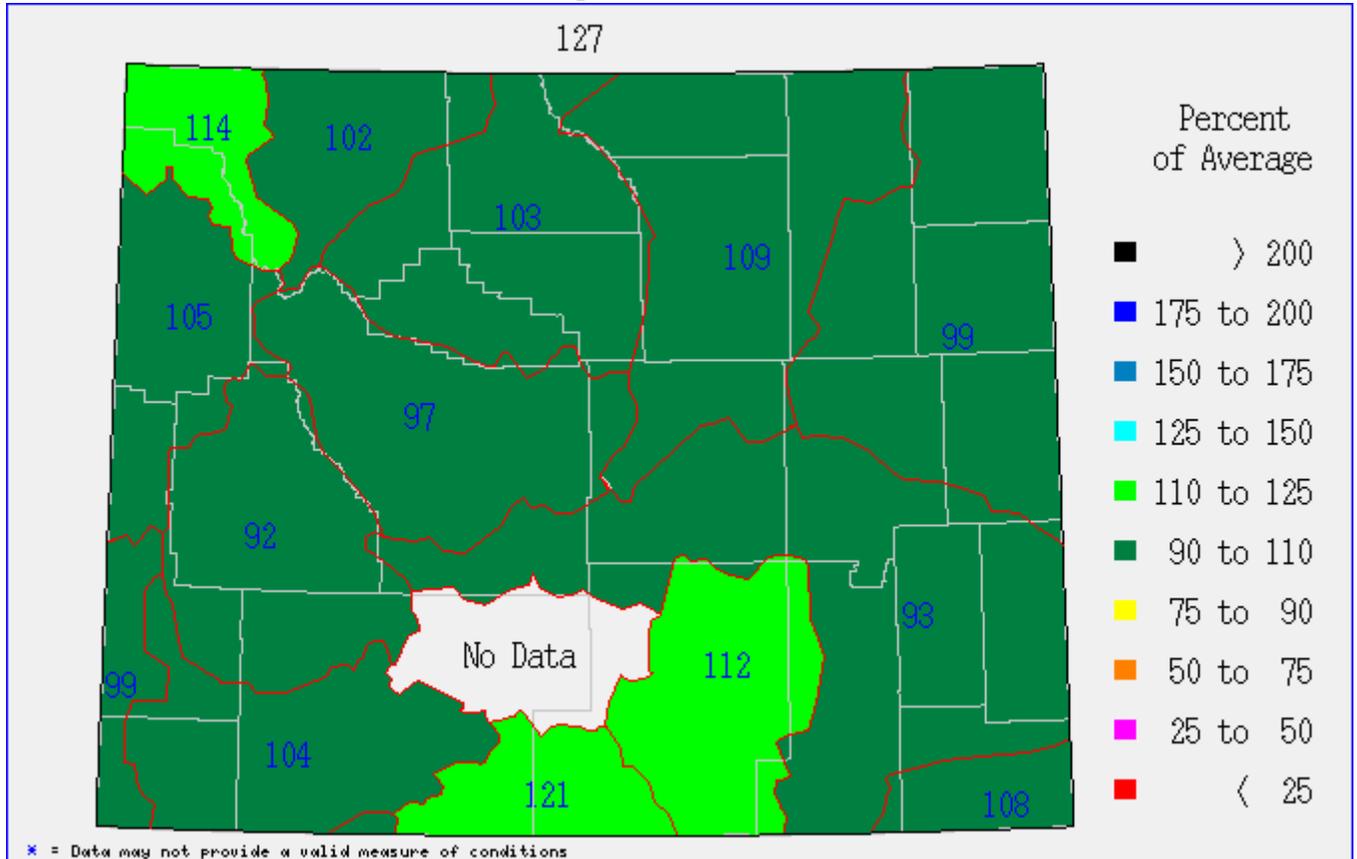
Issued by

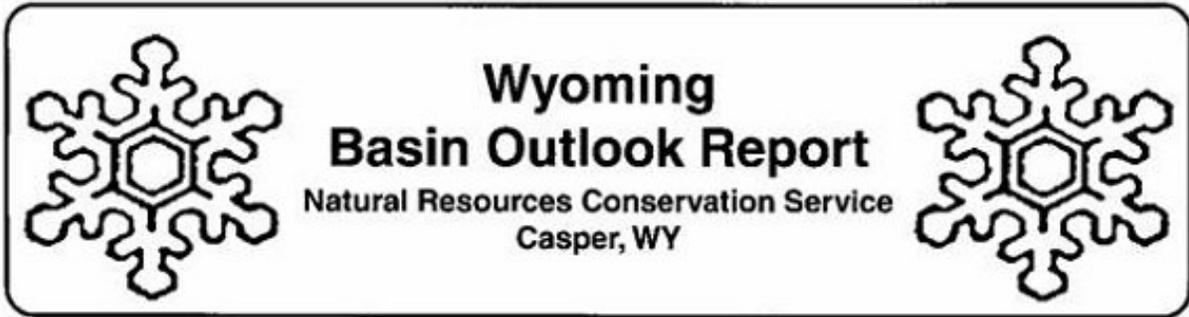
Arlen Lancaster, Chief
U.S. Department of Agriculture
Natural Resources Conservation Service
Washington D.C.

Released by

J Xavier Montoya
State Conservationist
N R C S
Casper, Wyoming

April 7th





100 East B Street, Room 3124
Casper, WY 82601

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