United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming
Basin Outlook Report
February 1, 2009

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

For more water supply and resource management information, contact:

Lee Hackleman
Water Supply Specialist
100 East "B" Street
Casper, WY 82601
(307) 233-6744

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

The snow water equivalent (SWE) across Wyoming is average for February 1st at 100%. Precipitation for December in the basins varied from 84-213% of average. Year-to-date precipitation for Wyoming is slightly above average for the year. Forecasted runoff varies from 53-200% of average across Wyoming for an overall average of 96%. Basin reservoir levels for Wyoming vary from 58-254% of average for an overall average of 97%.

Snowpack

Snow water equivalent (SWE), across Wyoming is average for this time of year at 100%. SWE in the NW portion of Wyoming is now about 97% of average (95% of last year). NE Wyoming SWE is currently about 142% of average (129% of last year). The SE Wyoming SWE is currently about 104% of average (104% of last year). The SW Wyoming SWE is about 105% of average (97% of last year).

Precipitation

Last month's precipitation was above average across most of Wyoming. The Lower Green River Basin had the lowest precipitation for the month at 84% of average. The Belle Fourche & Cheyenne River Basins had the highest precipitation amount at 213% 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	**+08%**	**Upper North Platte River**	**+44%**
Yellowstone & Madison	**+15%**	**Lower North Platte**	**+37%**
Wind River	**-01%**	**Little Snake River**	**+53%**
Big Horn	**+25%**	**Upper Green River**	**+15%**
Shoshone & Clarks Fork	**+48%**	**Lower Green River**	**-16%**
Powder & Tongue River	**+47%**	**Upper Bear River**	**-13%**
Belle Fourche & Cheyenne	**+113%**		

Streams

Stream flow yield is expected to be slightly below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be 96% (varying from 53-200% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 94 and 99% of average, respectively;87-107% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 89 and 98% of average, respectively; varying from 62-113% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 102% of average; varying from 98-109% of average: Yields from the Powder & Tongue River Basins are expected to be about 128% of average; varying from 98-142% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 200% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 98 and 93% of average, respectively; varying from 53-106% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 108, 77 and 86% of average respectively; yield estimates vary from 76-109% of average:

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 97% of average for the entire state. Reservoirs on the North Platte River are well below average at 76% of average. Reservoirs in the northeast are about average in storage at 97%. Reservoirs in the Wind River Basin are below average at 97%. Reservoirs on the Big Horn are about average at 104%. The Buffalo Bill Reservoir on the Shoshone is above average at 107%. Reservoirs on the Green River are below average at 99%. 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	85	84	101	100
ANGOSTURA	54	38	80	67	142
BELLE FOURCHE	80	44	57	141	183
BIG SANDY	33	27	49	68	122
BIGHORN LAKE	70	64	63	110	108
BOYSEN	95	64	99	95	147
BUFFALO BILL	69	69	64	107	99
BULL LAKE	59	37	57	104	159
DEERFIELD	94	77	84	112	122
EDEN			NO REPORT		
ENNIS LAKE	67	67	76	88	100
FLAMING GORGE	79	81	79	100	98
FONTENELLE	44	42	53	83	103
GLENDO	49	49	66	74	100
GRASSY LAKE	85	87	78	109	98
GUERNSEY	34	28	20	173	123
HEBGEN LAKE	76	75	71	107	101
JACKSON LAKE	76	38	58	132	202
KEYHOLE	46	30	53	87	152
PACTOLA	93	49	83	111	189
PALISADES	66	36	74	89	184
PATHFINDER	39	20	67	58	191
PILOT BUTTE	81	79	63	128	102
SEMINOE	50	19	56	88	260
SHADEHILL	44	23	60	72	188
TONGUE RIVER	73	65	29	254	113
VIVA NAUGHTON RES	74	67	71	104	111
WHEATLAND #2	43	30	46	94	144
WOODRUFF NARROWS	75	44	44	171	172
TOTAL 28 RESERVOIRS	68	55	70	97	123

KAF Totals Current= 8989 Last Year= 7298 Average= 9262 Capacity= 13288

BASIN SUMMARY OF SNOW COURSE DATA

FEBRUARY 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	1/29/09	41	8.8	7.9	9.5
ASTER CREEK	7750	2/03/09	51	16.7	20.0	19.6
BALD MOUNTAIN SNOTEL	9380	2/01/09	54	13.9	10.6	13.5
BASE CAMP SNOTEL	7030	2/01/09	---	10.9	12.4	12.7
BATTLE MTN. SNOTEL	7440	2/01/09	131	9.6	10.8	7.8
BEARLODGE DIVIDE	4680	1/29/09	14	3.5	2.1	1.8
BEARTOOTH LK. SNOTEL	9280	2/01/09	57	15.4	17.2	16.2
BEAR TRAP SNOTEL	8200	2/01/09	28	6.0	5.5	3.5
BIG GOOSE	7760	1/27/09	17	3.2	1.6	4.0
BIG GOOSE SNOTEL	7760	2/01/09	26	5.8	5.3	6.0
BIG PARK	8620	1/30/09	47	11.7	9.9	12.3
BIG SANDY SNOTEL	9080	2/01/09	36	8.0	8.4	9.5
BLACKWATER SNOTEL	9780	2/01/09	53	16.3	16.7	16.6
BLIND BULL SNOTEL	8900	2/01/09	62	17.0	15.0	18.4
BLIND PARK SNOTEL	6870	2/01/09	37	7.3	3.8	5.2
BLUE RIDGE	9620	1/28/09	17	3.8	4.8	7.7
BONE SPGS. SNOTEL	9350	2/01/09	54	14.2	10.2	10.6
BROOKLYN LK. SNOTEL	10220	2/01/09	---	14.4	13.2	15.3
BURGESS JCT. SNOTEL	7880	2/01/09	36	8.7	7.2	7.4
BURROUGHS CRK SNOTEL	8750	2/01/09	45	12.0	10.9	10.1
CANYON SNOTEL	8090	2/01/09	35	8.6	11.7	8.9
CASPER MTN. SNOTEL	7850	2/01/09	26	5.8	6.7	9.0
CASTLE CREEK	8400	1/27/09	19	3.3	4.0	3.3
CCC CAMP	7000	1/26/09	37	9.0	6.9	8.4
CHALK CK #1 SNOTEL	9100	2/01/09	54	14.4	16.9	15.3
CHALK CK #2 SNOTEL	8200	2/01/09	40	10.1	12.1	9.9
CINNABAR PARK SNOTEL	9690	2/01/09	58	15.2	13.9	13.2
CLOUD PEAK SNOTEL	9850	2/01/09	44	12.2	9.3	8.1
COLE CANYON SNOTEL	5910	2/01/09	21	4.4	3.3	4.5
COLD SPRINGS SNOTEL	9630	2/01/09	22	5.0	4.0	6.0
COTTONWOOD CR SNOTEL	7700	2/01/09	---	17.7	14.2	14.2
CROW CREEK SNOTEL	8830	2/01/09	18	5.3	5.4	5.1
DARBY CANYON	8250	2/02/09	51	14.9	--	15.9
DEER PARK SNOTEL	9700	2/01/09	25	6.3	9.3	11.7
DITCH CREEK	6870	1/28/09	16	3.3	1.5	2.8
DIVIDE PEAK SNOTEL	8860	2/01/09	55	14.2	15.5	13.0
DOME LAKE SNOTEL	8880	2/01/09	37	8.6	6.7	7.9
DU NOIR	8760	1/27/09	22	4.0	5.4	5.8
EAST RIM DIV SNOTEL	7930	2/01/09	---	6.6	5.0	8.5
ELBO RANCH	7100	2/03/09	27	7.4	7.5	8.0
ELKHART PARK SNOTEL	9400	2/01/09	---	9.2	7.0	8.8
EVENING STAR SNOTEL	9200	2/01/09	69	20.2	19.4	19.7
FOUR MILE MEADOWS	7860	2/02/09	36	8.6	9.3	8.7
FOXPARK	9060	1/29/09	27	4.9	4.8	4.9
GEYSER CREEK	8500	1/27/09	20	5.0	4.3	4.8
GLADE CREEK	7040	2/03/09	52	15.4	14.8	16.1
GRAND TARGHEE SNOTEL	9260	2/01/09	87	26.7	32.7	--
GRANITE CRK SNOTEL	6770	2/01/09	---	11.4	11.0	12.4
GRANNIER MEADOWS	8860	1/28/09	24	6.1	8.8	9.1

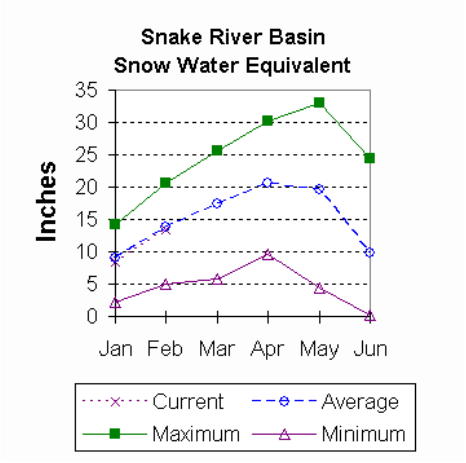
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GRASSY LAKE SNOTEL	7270	2/01/09	73	20.2	20.0	23.0
GRAVE SPRINGS SNOTEL	8550	2/01/09	25	5.3	5.5	5.7
GREYS BOUNDARY	5720	1/26/09	37	8.9	7.6	8.3
GROS VENTRE SNOTEL	8750	2/01/09	37	8.7	9.2	9.5
GROVER PARK DIVIDE	7000	1/26/09	42	9.2	6.9	7.5
HAIRPIN TURN	9480	1/30/09	42	9.6	8.5	11.1
HANSEN S.M. SNOTEL	8360	2/01/09	20	4.4	4.2	4.2
HAMS FORK SNOTEL	7840	2/01/09	---	6.6	6.7	8.4
HASKINS CREEK	8980	1/28/09	87	21.6	22.0	19.6
HOBACK GS	6640	1/26/09	33	6.5	6.2	--
HOBBS PARK SNOTEL	10100	2/01/09	26	6.9	8.4	9.8
HUCKLEBERRY DIVIDE	7300	2/03/09	47	13.7	16.1	14.2
INDIAN CREEK SNOTEL	9430	2/01/09	---	14.4	14.0	17.6
JACKPINE CREEK	7350	2/02/09	45	13.0	--	14.7
KELLEY R.S. SNOTEL	8180	2/01/09	---	9.4	8.6	10.7
KENDALL R.S. SNOTEL	7740	2/01/09	32	7.9	7.3	9.8
KIRWIN SNOTEL	9550	2/01/09	33	8.7	8.6	7.7
LAKE CAMP	7780	1/29/09	29	6.4	8.4	6.5
LA PRELE SNOTEL	8380	2/01/09	26	5.2	3.7	7.3
LARSEN CREEK	9020	1/27/09	23	4.5	5.9	8.4
LEWIS LAKE SNOTEL	7850	2/01/09	59	17.1	21.2	23.1
LIBBY LODGE	8750	1/30/09	35	8.0	7.0	7.8
LITTLE BEAR RUN	6240	1/28/09	22	5.2	2.4	2.6
LITTLE WARM SNOTEL	9370	2/01/09	33	7.5	6.6	7.8
LOOMIS PARK SNOTEL	8240	2/01/09	---	11.8	10.0	11.2
LUPINE CREEK	7380	1/30/09	12	1.1	4.2	6.0
MALLO	6420	1/28/09	35	8.2	3.3	5.2
MARQUETTE SNOTEL	8760	2/01/09	12	3.0	2.1	5.9
MEDICINE LODGE LAKES	9340	1/30/09	40	9.9	5.8	7.5
MIDDLE FORK	7420	1/28/09	12	3.3	3.7	3.8
MIDDLE POWDER SNOTEL	7760	2/01/09	32	6.6	6.2	7.2
MORAN	6750	2/02/09	34	9.2	9.3	9.3
MOSS LAKE	9800	1/29/09	58	13.8	12.0	15.3
NEW FORK SNOTEL	8340	2/01/09	34	8.7	5.7	7.7
NORRIS BASIN	7500	1/28/09	29	6.5	9.0	7.6
NORTH BARRETT CREEK	9400	1/29/09	69	15.0	14.6	12.8
NORTH FRENCH SNOTEL	10130	2/01/09	83	21.5	20.4	18.4
NORTH RAPID CK SNTL	6130	2/01/09	26	6.9	4.3	5.0
NORTH TONGUE	8450	1/30/09	42	10.9	7.2	8.4
OLD BATTLE SNOTEL	9920	2/01/09	79	20.9	21.2	20.0
OLD FAITHFUL	7400	1/29/09	36	6.4	9.9	9.5
ONION GULCH	8780	1/28/09	25	5.4	4.4	5.2
OWL CREEK SNOTEL	8980	2/01/09	15	3.7	3.5	3.4
PARKERS PEAK SNOTEL	9400	2/01/09	61	17.2	17.2	14.8
PHILLIPS BNCH SNOTEL	8200	2/01/09	62	17.8	19.7	18.5
POCKET CREEK	9350	1/27/09	30	5.9	--	8.6
POLE MOUNTAIN	8700	1/30/09	26	5.5	5.3	6.1
POWDER RVR.PASS SNTL	9480	2/01/09	36	9.3	7.7	7.2
PURGATORY GULCH	8970	1/29/09	40	10.0	7.8	7.1
RANGER CREEK	8120	1/30/09	32	7.3	5.8	6.2
RENO HILL SNOTEL	8500	2/01/09	31	7.1	7.3	8.4
REUTER CANYON	6280	1/30/09	45	13.5	5.8	6.5
ROWDY CREEK	8300	1/26/09	47	12.4	10.6	14.6
RYAN PARK	8400	1/29/09	45	9.8	7.2	7.4
SAGE CK BASIN SNTL	7850	2/01/09	34	7.5	11.8	7.5
SALT RIVER SNOTEL	7600	2/01/09	---	8.7	7.5	9.2
SAND LAKE SNOTEL	10050	2/01/09	68	18.0	17.7	19.9

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SANDSTONE RS SNOTEL	8150	2/01/09	54	10.4	11.8	9.7
SAWMILL DIVIDE	9260	1/27/09	40	10.7	8.0	8.8
SHELL CREEK SNOTEL	9580	2/01/09	50	12.5	10.6	9.9
SHERIDAN R.S.	7750	1/29/09	15	3.5	3.5	4.1
SNAKE RIVER STATION	6920	2/03/09	43	12.3	12.8	14.1
SNAKE RV STA SNOTEL	6920	2/01/09	43	11.0	11.0	12.6
SNIDER BASIN SNOTEL	8060	2/01/09	37	9.6	7.4	9.8
SOLDIER PARK	8780	1/29/09	16	2.9	2.1	3.5
SOUR DOUGH	8460	1/29/09	20	4.0	2.8	4.2
SOUTH BRUSH SNOTEL	8440	2/01/09	38	9.5	8.5	7.4
SOUTH PASS SNOTEL	9040	2/01/09	30	7.1	8.2	11.4
SPRING CRK. SNOTEL	9000	2/01/09	64	17.5	13.7	17.4
ST LAWRENCE ALT SNTL	8620	2/01/09	10	1.9	3.7	4.8
SUCKER CREEK SNOTEL	8880	2/01/09	42	10.4	8.4	7.2
SYLVAN LAKE SNOTEL	8420	2/01/09	47	12.7	14.3	15.2
SYLVAN ROAD SNOTEL	7120	2/01/09	40	10.2	7.3	8.8
T CROSS RANCH	7900	1/27/09	26	4.6	3.4	5.3
TETON PASS W.S.	7740	1/29/09	54	14.9	17.6	18.5
THUMB DIVIDE SNOTEL	7980	2/01/09	42	11.0	11.2	11.8
THUMB DIVIDE	7980	2/03/09	36	10.5	11.5	12.2
TIE CREEK SNOTEL	6870	2/01/09	18	3.8	4.0	4.0
TIMBER CREEK SNOTEL	7950	2/01/09	12	2.9	2.0	3.6
TOGWOTEE PASS SNOTEL	9580	2/01/09	68	19.3	18.4	16.9
TOWNSEND CRK SNOTEL	8700	2/01/09	16	4.3	4.6	5.6
TRIPLE PEAK SNOTEL	8500	2/01/09	58	16.8	14.1	16.6
TURPIN MEADOWS	6900	2/02/09	30	6.9	7.6	7.6
TWO OCEAN SNOTEL	9240	2/01/09	71	24.3	25.3	19.0
TYRELL RANGER STA.	8300	1/28/09	27	5.6	4.1	5.2
UPPER SPEARFISH	6500	1/29/09	33	7.3	3.6	4.7
WEBBER SPRING SNOTEL	9250	2/01/09	59	15.8	16.4	16.1
WHISKEY PARK SNOTEL	8950	2/01/09	76	20.9	19.2	18.5
WILLOW CREEK SNOTEL	8450	2/01/09	---	22.0	18.1	20.2
WINDY PEAK SNOTEL	7900	2/01/09	22	5.1	4.8	4.5
WOLVERINE SNOTEL	7650	2/01/09	30	8.6	5.9	8.6
WOOD ROCK G.S.	8440	1/27/09	28	6.3	5.0	6.5
YOUNTS PEAK SNOTEL	8350	2/01/09	45	13.7	11.5	12.0

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is slightly below average at 97%. SWE in the Snake River Basin above Jackson Lake is 93% of average. Pacific Creek Basin SWE is 108% of average. Gros Ventre River Basin SWE is 103% of average. SWE in the Hoback River drainage is 93% of average. SWE in the Greys River drainage is 106% of average. In the Salt River area SWE is 112% of average. SWE in the Snake River Basin above Palisades is 97% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

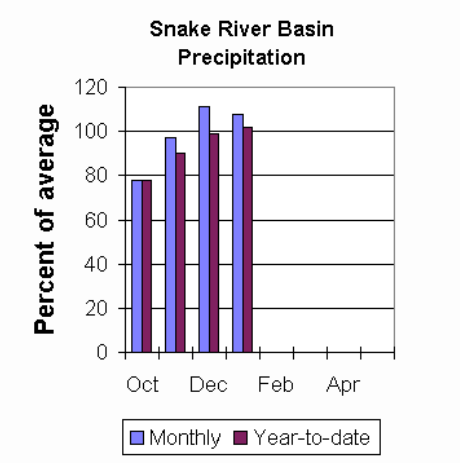


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 108% of average (97% of last year). Last month's percentages range from 76-148% of average. Water-year-to-date precipitation is 102% of average for the Snake River Basin (94% of last year). Year-to-date percentages range from 82-126% of average.

Reservoir

Current reservoir storage is 103% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 109% of average (12,900 ac-ft compared to 13,200 last year). Jackson Lake storage is 132% of average (646,000 ac-ft compared to 319,400 ac-ft last year). Palisades Reservoir storage is about 89% of average (923,400 ac-ft compared to 503,200 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 850,000 ac-ft (94% of average). Snake above reservoir near Alpine is 2,574,000 ac-ft (94% of average). The Snake near Irwin is 3,640,000 ac-ft (94% of average). The Snake near Heise is 3,900,000 ac-ft (94% of average). Pacific Creek at Moran is 190,000 ac-ft 107% of average). Greys River above Palisades Reservoir is 410,000 ac-ft (104% 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 - February 1, 2009

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R Nr Moran							
APR-JUL	595	722	780	96	838	965	815
APR-SEP	642	785	850	94	915	1058	905
Snake R Nr Alpine							
APR-JUL	1707	2076	2244	95	2412	2781	2370
APR-SEP	1954	2380	2574	94	2768	3194	2730
Snake R nr Irwin							
APR-JUL	2366	2898	3140	94	3382	3914	3330
APR-SEP	2769	3368	3640	94	3912	4511	3870
Snake R nr Heise							
APR-JUL	2691	3083	3350	94	3617	4009	3560
APR-SEP	3148	3596	3900	94	4204	4652	4160
Pacific Ck At Moran							
APR-JUL	143	168	185	108	202	227	171
APR-SEP	146	172	190	107	208	234	178
Greys R Nr Alpine							
APR-JUL	267	319	355	104	391	443	340
APR-SEP	307	369	410	104	451	513	395
Salt R Nr Etna							
APR-JUL	209	293	350	103	407	491	340
APR-SEP	264	363	430	102	497	596	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.

(3) - Median value used in place of average.

SNAKE RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	12.9	13.2	11.8
JACKSON LAKE	847.0	646.0	319.4	490.1
PALISADES	1400.0	923.4	503.2	1040.3

SNAKE RIVER BASIN

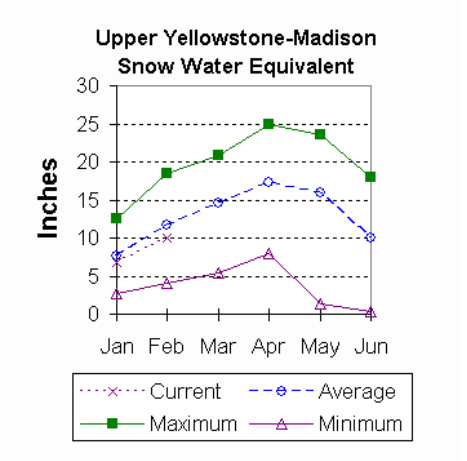
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	9	93	93
PACIFIC CREEK	3	94	108
GROS VENTRE RIVER	3	103	103
HOBACK RIVER	5	111	93
GREYS RIVER	5	121	106
SALT RIVER	5	124	112
SNAKE above Palisades	28	102	97

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been fair so far this year, but SWE in both basins is slightly below average for this time of year. Snow water equivalent (SWE) is about 82% of average in the Madison drainage. SWE in the Yellowstone drainage is about 99% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

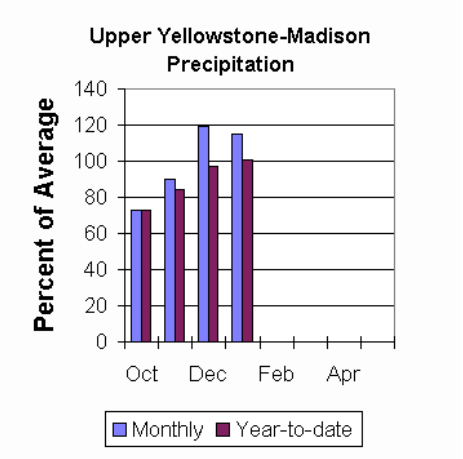


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 115% of average (95% of last year). For the 5 reporting stations percentages range from 80-134% of average. Water-year-to-date precipitation is about 102% of average (95% of last year's amount). Year to date percentage ranges from 82-126%.

Reservoir

Ennis Lake is storing about 27,400 ac-ft of water (67% of capacity, 88% of average or 100% of last year's volume). Hebgen Lake is storing about 285,800 ac-ft of water (76% of capacity, 107% of average or 101% 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 slightly below average for the basin. Yellowstone at Lake Outlet is 785,000 ac-ft (98% of average). Yellowstone at Corwin Springs will yield around 1,970,000 ac-ft (100% of average). Yellowstone near Livingston will yield around 2,250,000 ac-ft (99% of average). Hebgen Reservoir inflow is 435,000 ac-ft (87% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - February 1, 2009

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions: 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
YELLOWSTONE at Lake Outlet							
APR-JUL	475	540	580	98	620	685	590
APR-SEP	650	730	785	98	840	920	805
YELLOWSTONE RIVER at Corwin Springs							
APR-JUL	1390	1540	1650	100	1760	1910	1650
APR-SEP	1660	1840	1970	100	2100	2280	1970
YELLOWSTONE RIVER near Livingston							
APR-JUL	1560	1750	1880	99	2010	2200	1900
APR-SEP	1870	2100	2250	99	2400	2630	2280
HEBGEN Reservoir Inflow							
APR-JUL	270	310	340	87	370	410	390
APR-SEP	350	400	435	87	470	520	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.
(3) - Median value used in place of average.

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	27.4	31.3
HEBGEN LAKE	377.5	285.8	281.6	266.5

UPPER YELLOWSTONE & MADISON RIVER BASINS

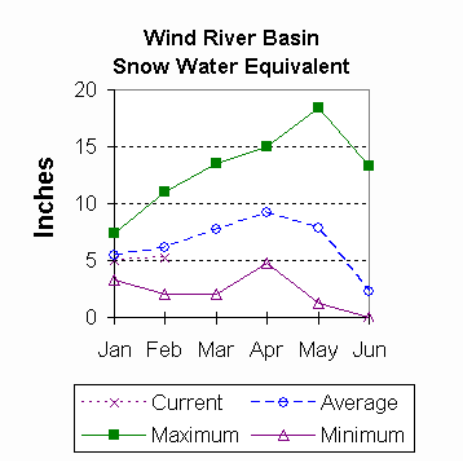
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	67	81
YELLOWSTONE RIVER in WY	12	90	99

Wind River Basin

Snow

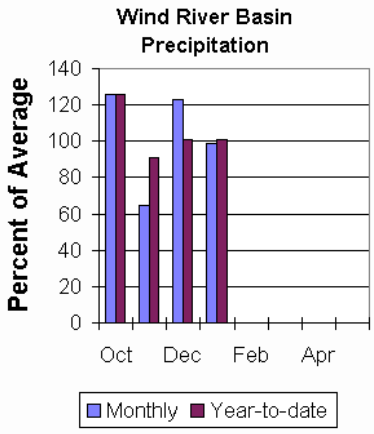
The Wind River Basin above Boysen Reservoir has slightly below average snow water equivalent (SWE 86%) for this time of the year. SWE in the Wind River above Dubois is 103% of average. The Little Wind SWE is 60% of average, and the Popo Agie drainage SWE is about 64% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last months precipitation in the basin varied from 37-148% of average. Precipitation, for the basin, was about 99% of average from the 8 reporting stations; that is about 87% of last year's amount. Water year-to-date precipitation is 101% of average and about 93% of last year at this time. Year-to-date percentages range from 76-126% of average.

Reservoirs



Current storage varies from 95-128% of average. Usable storage in Bull Lake is currently about 89,600 ac-ft (104% of average) - the reservoir is about 159% of last year. Boysen Reservoir is storing about 95% of average (563,500 ac-ft) – the reservoir is about 147% of last year. Pilot Butte is at 128% of average (25,500 ac-ft) – the reservoir is about 102% 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 below average. Dinwoody Creek near Burris is 89,000 ac-ft (95% of average). The Wind River above Bull Lake Creek is 530,000 ac-ft (99% of average). Bull Lake Creek near Lenore is 149,000 ac-ft (82% of average). Wind River at Riverton will yield around 605,000 ac-ft (95% of average). Little Popo Agie River near Lander is around 37,000 ac-ft (70% of average). South Fork of Little Wind near Fort Washakie will yield around 63,000 ac-ft (75% of average). Little Wind River near Riverton will yield around 195,000 ac-ft (62% of average). Boysen Reservoir inflow will yield around 720,000 ac-ft (89% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - February 1, 2009

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	49	57	63	94	69	77	67
APR-SEP	72	82	89	95	96	106	94
WIND RIVER abv Bull Lake Cr (2)							
APR-JUL	300	380	435	100	490	570	435
APR-SEP	390	475	530	99	585	670	535
BULL LAKE CR near Lenore							
APR-JUL	78	104	122	82	140	166	148
APR-SEP	99	129	149	82	169	199	182
WIND RIVER at Riverton (2)							
APR-JUL	340	445	515	95	585	690	545
APR-SEP	410	525	605	95	685	800	640
LT POPO AGIE RIVER nr Lander							
APR-JUL	10.2	23	32	70	41	54	46
APR-SEP	13.8	28	37	70	46	60	53
SF LT WIND nr Fort Washakie							
APR-JUL	33	47	56	77	65	79	73
APR-SEP	37	52	63	75	74	89	84
LT WIND RIVER nr Riverton							
APR-JUL	21	114	177	63	240	335	280
APR-SEP	26	126	195	62	265	365	315
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	240	480	645	90	810	1050	717
APR-SEP	285	545	720	89	895	1160	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.
(3) - Median value used in place of average.

WIND RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	89.6	56.4	85.9
BOYSEN	596.0	563.5	382.6	592.0
PILOT BUTTE	31.6	25.5	24.9	20.0

WIND RIVER BASIN

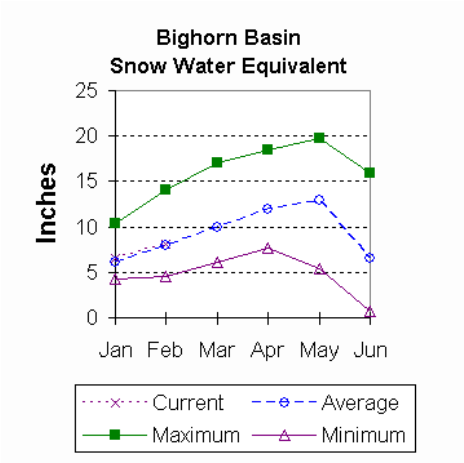
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	7	106	103
LITTLE WIND	2	73	60
POPO AGIE	7	79	64
WIND above Boysen Resv	14	98	86

Bighorn River Basin

Snow

The Bighorn River Basin above Bighorn Reservoir SWE is above average at 115%. The Nowood River is at 114% of average. The Greybull River SWE is at 103% of average. Shell Creek SWE is 119% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

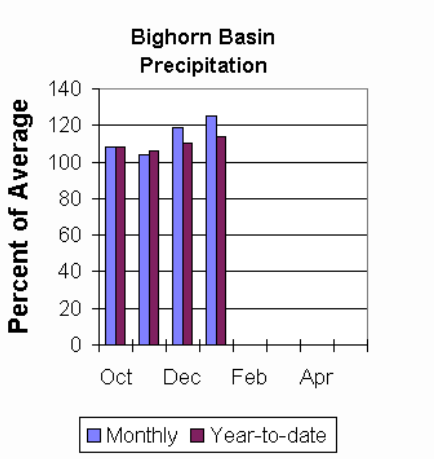


Precipitation

Last month's precipitation was 125% of average (121% of last year). Sites ranged from 50-160% of average for the month. Year-to-date precipitation is 114% of average; that is 102% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 86-131%.

Reservoir

Boysen Reservoir is currently storing 563,500 ac-ft (95% of average). Bighorn Lake is now at 110% of average (943,800 ac-ft). Boysen is currently storing 147% of last year volume at this time and Big Horn Lake is storing 108% 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 720,000 ac-ft (89% of average); the Greybull River near Meeteetse should yield around 198,000 ac-ft (99% of average); Shell Creek near Shell should yield around 81,000 ac-ft (113% 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 - February 1, 2009

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	240	480	645	90	810	1050	717
APR-SEP	285	545	720	89	895	1160	809
GREYBULL RIVER nr Meeteetse							
APR-JUL	111	132	146	99	160	181	148
APR-SEP	155	181	198	99	215	240	200
SHELL CREEK nr Shell							
APR-JUL	53	62	68	113	74	83	60
APR-SEP	65	74	81	113	88	97	72
BIGHORN RIVER at Kane (2)							
APR-JUL	475	785	995	100	1200	1510	1000
APR-SEP	535	865	1090	98	1310	1650	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.
(3) - Median value used in place of average.

BIGHORN RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	563.5	382.6	592.0
BIGHORN LAKE	1356.0	943.8	872.7	859.5

BIGHORN RIVER BASIN

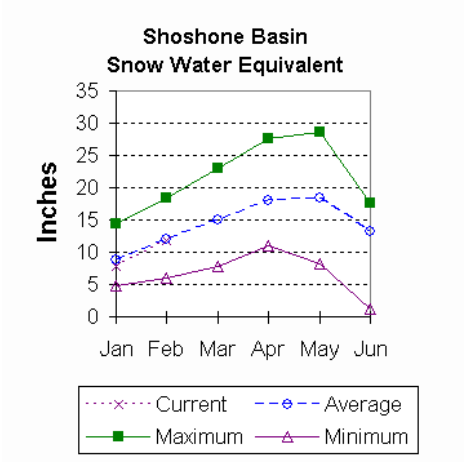
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	130	114
GREYBULL RIVER	2	109	103
SHELL CREEK	4	129	119
BIGHORN (Boysen-Bighorn)	11	127	115

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins are around average for this time of year. Snow Water Equivalent (SWE) is 97% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 102% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

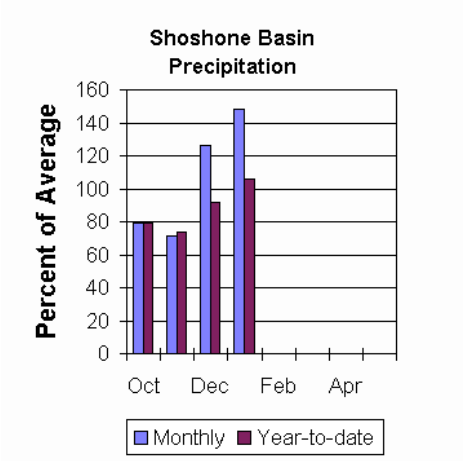


Precipitation

Precipitation for last month was 148% of average (147% of last year). Monthly percentages range from 89-178% of average. The basin year-to-date precipitation is now 106% of average (89% of last year). Year-to-date percentages range from 92-120% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 107% of average (99% of last year's storage) – the reservoir is at about 69% of capacity. Currently, about 443,700 ac-ft are stored in the reservoir compared to 447,300 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 50% exceedance forecasts for the April through September period are expected to be about average for the basin. The North Fork Shoshone River at Wapiti is 545,000 ac-ft (105% of average). The South Fork of the Shoshone River near Valley is 280,000 ac-ft (106% 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 835,000 ac-ft (104% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 580,000 ac-ft (98% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - February 1, 2009

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	400	450	485	105	520	570	460
APR-SEP	455	510	545	105	580	635	520
SF SHOSHONE RIVER nr Valley							
APR-JUL	198	225	240	107	255	280	225
APR-SEP	235	260	280	106	300	325	265
SF SHOSHONE RIVER abv Buffalo Bill							
APR-JUL	167	205	235	109	265	305	215
APR-SEP	173	215	245	109	275	315	225
BUFFALO BILL DAM Inflow (2)							
APR-JUL	620	705	760	106	815	900	720
APR-SEP	685	775	835	104	895	985	805
CLARKS FORK RIVER nr Belfry							
APR-JUL	445	500	535	99	570	625	540
APR-SEP	485	540	580	98	620	675	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.
(3) - Median value used in place of average.

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	443.7	447.3	414.3

SHOSHONE & CLARKS FORK RIVER BASINS

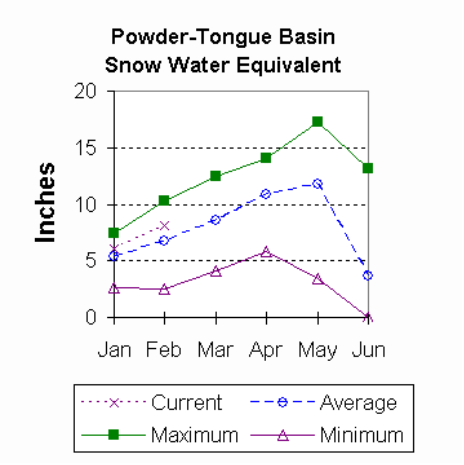
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	107	97
CLARKS FORK in WY	7	97	102

Powder and Tongue River Basins

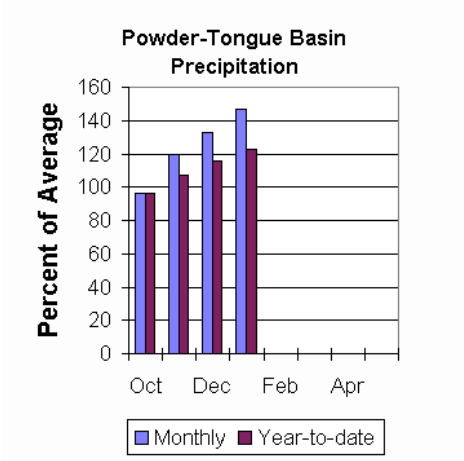
Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 120% of average. The Goose Creek drainage is 111% of average. SWE in the Clear Creek drainage is 118% of average. Crazy Woman Creek drainage is 113% of average. Upper Powder River drainage SWE is 105% of average. Powder River Basin SWE in Wyoming is 118% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 147% of average for the 9 reporting stations (128% of last year). Monthly percentages range from 130-167% of average. Year-to-date precipitation is 123% of average in the basin; this is 107% of last year at this time. Precipitation for the year ranges from 86-143% of average.



Reservoir

The Tongue River Reservoir is at 73% of capacity; 254% of average; and 113% of last year at 57,600 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 131,000 ac-ft (120% of average). Big Goose Creek near Sheridan is 72,000 ac-ft (120% of average). Little Goose Creek near Bighorn is 51,000 ac-ft (121% of average). The Tongue River Reservoir Inflow is 315,000 ac-ft (126% of average). The Middle Fork of the Powder River near Barnum is 18,600 ac-ft (100% of average). The North Fork of the Powder River near Hazelton should yield around 14,800 ac-ft (142% of average). Rock Creek near Buffalo will yield about 31,000 ac-ft (129% of average), and Piney Creek at Kearny should yield about 68,000 ac-ft (131% of average). The Powder River at Moorehead is 300,000 ac-ft (130% of average). The Powder River near Locate is 345,000 ac-ft (133% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - February 1, 2009

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	84	102	115	120	128	146	96
APR-SEP	98	118	131	120	144	164	109
BIG GOOSE CREEK nr Sheridan							
APR-JUL	45	56	64	123	72	83	52
APR-SEP	52	64	72	120	80	92	60
LITTLE GOOSE CREEK nr Big Horn							
APR-JUL	29	36	41	121	46	53	34
APR-SEP	38	46	51	121	56	64	42
TONGUE RIVER RESERVOIR Inflow (2)							
APR-JUL	173	235	280	127	325	385	220
APR-SEP	205	270	315	126	360	425	250
MIDDLE FORK POWDER nr Barnum							
APR-JUL	11.8	15.2	17.5	98	19.8	23	17.8
APR-SEP	12.7	16.2	18.6	100	21	24	18.7
NORTH FORK POWDER nr Hazelton							
APR-JUL	11.1	12.6	13.6	142	14.6	16.1	9.6
APR-SEP	12.2	13.8	14.8	142	15.8	17.4	10.4
ROCK CREEK nr Buffalo							
APR-JUL	20	24	26	131	28	32	19.9
APR-SEP	25	28	31	129	34	37	24
PINEY CREEK at Kearny							
APR-JUL	41	54	63	129	72	85	49
APR-SEP	46	59	68	131	77	90	52
POWDER RIVER at Moorehead							
APR-JUL	170	230	270	132	310	370	205
APR-SEP	197	260	300	130	340	405	230
POWDER RIVER nr Locate							
APR-JUL	186	260	310	132	360	435	235
APR-SEP	210	290	345	133	400	480	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.
(3) - Median value used in place of average.

POWDER & TONGUE RIVER BASINS

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	57.6	51.2	22.7

POWDER & TONGUE RIVER BASINS

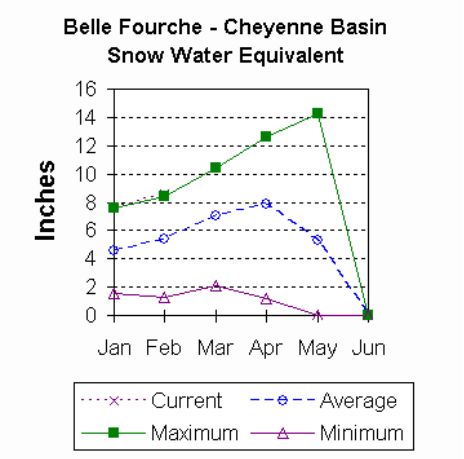
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	127	120
GOOSE CREEK	3	126	111
CLEAR CREEK	4	128	118
CRAZY WOMAN CREEK	3	126	113
UPPER POWDER RIVER	4	115	118
POWDER RIVER in WY	8	120	118

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 153% of average for this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

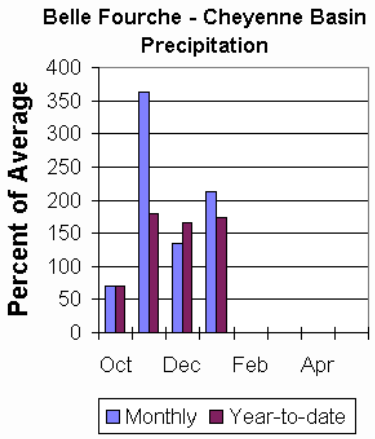


Precipitation

Precipitation for last month was 213% of average or 126% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 190-231%. Year-to-date precipitation is 174% of average and 189% of last year's amount. Yearly percentages range from 159-190% of average.

Reservoir

Current reservoir storage is around 97% of average in the basin. Angostura is currently storing 67% of average (65,900 ac-ft), about 54% of capacity. Belle Fourche reservoir is storing 141% of average (142,500 ac-ft), about 80% of capacity. Deerfield reservoir is storing 112% of average (14,300 ac-ft), about 94% of capacity. Keyhole reservoir is storing 87% of average (89,100 ac-ft), about 46% of capacity. Pactola reservoir is storing 111% of average (50,900 ac-ft), about 93% of capacity. Shadehill reservoir is storing 72% of average (35,500 ac-ft), about 44% 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 March through July period. The Deerfield Reservoir Inflow is 11,800 ac-ft (193% of average). Pactola Reservoir Inflow is expected to yield around 54,000 ac-ft (208% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - February 1, 2009

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
DEERFIELD RESERVOIR Inflow							
MAR-JUL	7.7	10.1	11.8	193	13.5	15.9	6.1
PACTOLA RESERVOIR Inflow							
MAR-JUL	35	46	54	208	62	73	26

* 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.
(3) - Median value used in place of average.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	65.9	46.3	98.1
BELLE FOURCHE	178.4	142.5	77.7	101.4
DEERFIELD	15.2	14.3	11.7	12.8
KEYHOLE	193.8	89.1	58.5	102.3
PACTOLA	55.0	50.9	27.0	45.8
SHADEHILL	81.4	35.5	18.9	49.1

BELLE FOURCHE & CHEYENNE RIVER BASINS

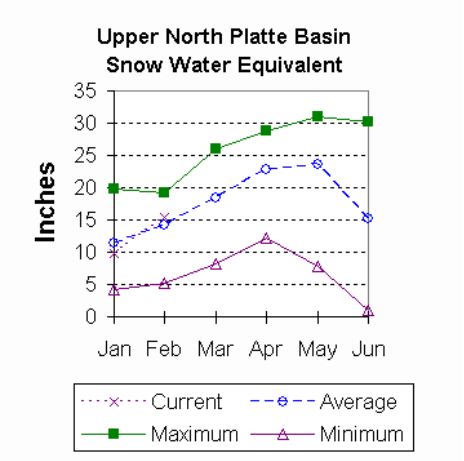
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	8	199	160

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 107% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 106% of average at this time. SWE in the Encampment River drainage is about 110% of average. Brush Creek SWE for the year is about 114% of average. Medicine Bow and Rock Creek drainages SWE are about 91% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

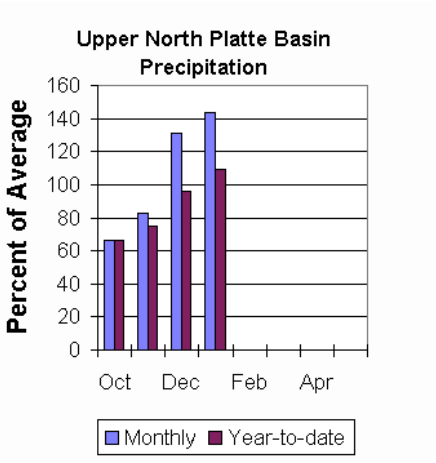


Precipitation

Eight reporting stations show last month's precipitation at 144% of average or 114% of last year's amount. Precipitation varied from 85-196% of average last month. Total water-year-to-date precipitation is about 109% of average for the basin, which is about 96% of last year's amount. Year to date percentage ranges from 89-127% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 507,200 ac-ft or 50% of capacity. Seminoe Reservoir is also storing about 88% of average for this time of the year and 260% 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 below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 270,000 ac-ft (100% of average). The Encampment River near Encampment is 174,000 ac-ft (106% of average). Rock Creek near Arlington is 49,000 ac-ft (86% of average). Seminoe Reservoir inflow should be around 840,000 ac-ft (98% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - February 1, 2009

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions: 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NORTH PLATTE RIVER nr Northgate							
APR-JUL	128	198	245	100	290	360	245
APR-SEP	141	220	270	100	320	400	270
ENCAMPMENT RIVER nr Encampment							
APR-JUL	118	145	164	105	183	210	156
APR-SEP	126	155	174	106	193	220	165
ROCK CREEK nr Arlington							
APR-JUL	29	39	46	87	53	63	53
APR-SEP	31	42	49	86	56	67	57
SEMINOE RESERVOIR Inflow							
APR-JUL	365	610	775	97	940	1180	800
APR-SEP	400	665	840	98	1020	1280	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.
(3) - Median value used in place of average.

UPPER NORTH PLATTE RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	507.2	194.9	573.2

UPPER NORTH PLATTE RIVER BASIN

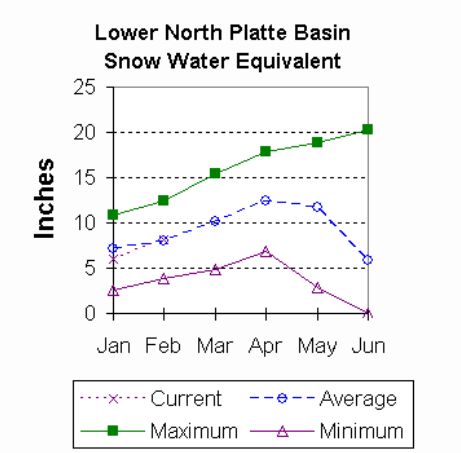
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	7	103	106
ENCAMPMENT RIVER	4	105	110
BRUSH CREEK	5	111	114
MEDICINE BOW & ROCK CREEKS	3	108	91
N PLATTE above Seminoe	19	105	107

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 94% of average. The Sweetwater drainage SWE is currently at 59% of average. Deer and LaPrele Creek SWE are at 78% of average. SWE for the North Platte above the Laramie River drainage is 100% of average. SWE for the Laramie River above Laramie is 107% of average. SWE for the Little Laramie River is 98% of average. The Laramie River above mouth, SWE is 104% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

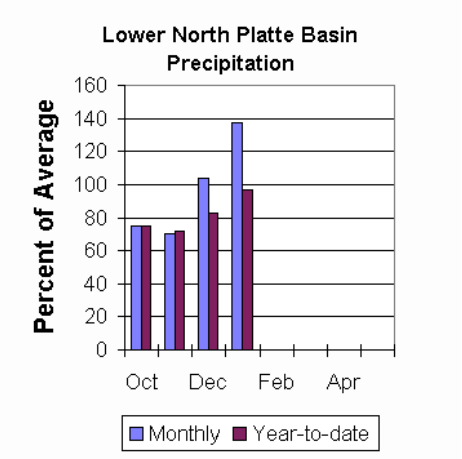


Precipitation

Last month's precipitation was 137% of average or 128% of last year's amount. Of the 8 reporting stations, percentages for the month range from 37-276%. The water year-to-date precipitation for the basin is currently 97% of average (92% of last year). Year-to-date percentages range from 83-159% of average.

Reservoir

The Lower North Platte River basin reservoir storage is below average at 75%. Reservoir storage is as follows: Alcova 156,500 ac-ft (101% of average); Glendo 247,400 ac-ft (74% of average); Guernsey 15,700 ac-ft (173% of average); Pathfinder 395,400 ac-ft (58% of average); Seminoe 507,200 ac-ft (88% of average); and Wheatland #2 42,400 ac-ft (94% 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 42,000 ac-ft (53% 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 15,000 ac-ft (63% of average). North Platte - Alcova to Orin Gain is forecast to yield 85,000 ac-ft (53% of average). North Platte River below Glendo Reservoir is 905,000 ac-ft (91% of average), and below Guernsey Reservoir is anticipated to yield around 935,000 ac-ft (93% of average). Laramie River near Woods Landing should yield around 136,000 ac-ft (101% of average). The Little Laramie near Filmore should produce about 63,000 ac-ft (98% of average). See the following table for more detailed information on projected runoff.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - February 1, 2009

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	16.0	24	39	53	54	75	74
APR-SEP	17.0	26	42	53	58	81	80
DEER CREEK at Glenrock							
APR-JUL	12.0	19.0	30	81	48	75	37
APR-SEP	12.0	19.0	31	84	49	76	37
LaPRELE CREEK abv Reservoir							
APR-JUL	6.0	9.0	14.8	62	23	34	24
APR-SEP	6.0	9.0	15.0	63	23	34	24
NORTH PLATTE - Alcova to Orin Gain							
APR-JUL	32	49	79	52	126	194	152
APR-SEP	34	52	85	53	134	205	161
NORTH PLATTE RIVER blw Glendo Res (2)							
APR-JUL	610	770	875	91	980	1140	960
APR-SEP	625	795	905	91	1020	1180	990
NORTH PLATTE RIVER blw Guernsey Res (2)							
APR-JUL	565	760	895	92	1030	1220	970
APR-SEP	595	795	935	93	1070	1270	1010
LARAMIE RIVER nr Woods							
APR-JUL	85	108	124	101	140	163	123
APR-SEP	94	119	136	101	153	178	135
LITTLE LARAMIE RIVER nr Filmore							
APR-JUL	39	50	58	98	66	77	59
APR-SEP	42	55	63	98	71	84	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.

(3) - Median value used in place of average.

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	156.5	156.4	155.0
GLENDO	506.4	247.4	246.5	334.9
GUERNSEY	45.6	15.7	12.8	9.1
PATHFINDER	1016.5	395.4	206.8	678.3
SEMINOE	1016.7	507.2	194.9	573.2
WHEATLAND #2	98.9	42.4	29.5	45.3

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

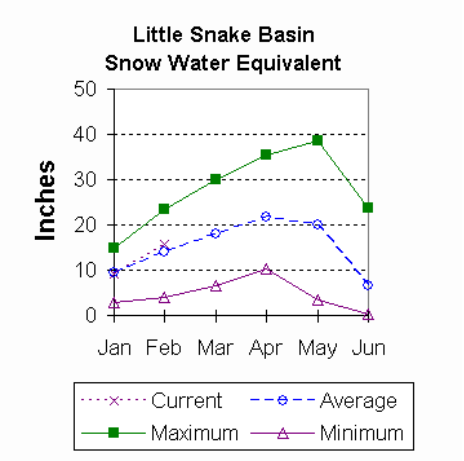
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	4	75	59
DEER & LaPRELE CREEKS	2	112	78
N PLATTE abv Laramie R.	25	102	100
LARAMIE RIVER abv Laramie	10	106	107
LITTLE LARAMIE RIVER	5	111	98
LARAMIE RIVER above mouth	13	107	104
NORTH PLATTE	31	104	101

Little Snake River Basin

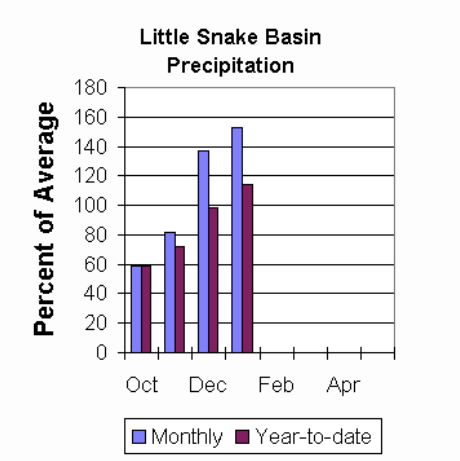
Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 114% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation across the basin was above average this past month. Last Month's precipitation was 153% of average (117% of last year) for the 5 reporting stations. Last month's precipitation ranged from 140-171% of average. The Little Snake River basin water-year-to-date precipitation is currently 114% of average (98% of last year). Year-to-date percentages range from 106-119% of average.



Reservoir

High Savery Dam -Pending

Streamflow

The 50% exceedance forecast for the April through July on the Little Snake River drainage is expected to be slightly above average this year. The Little Snake River near Slater should yield around 170,000 ac-ft (107% of average). The Little Snake River near Dixon is estimated to yield around 360,000 ac-ft (109% of average). See the following table for more detailed information on projected runoff.

LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - February 1, 2009

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	123	150	170	107	191	225	159
Little Snake River nr Dixon							
APR-JUL	245	310	360	109	415	500	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.
(3) - Median value used in place of average.

LITTLE SNAKE RIVER BASIN

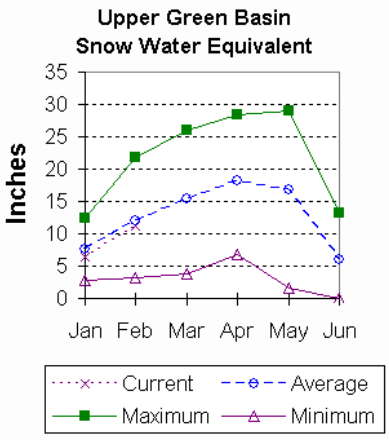
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	8	100	114

Upper Green River Basin

Snow

SWE in the Green River Basin above Fontenelle Reservoir is about 94% of average. SWE for the west side of Upper Green River Basin is about 93% of average. Newfork River Basin SWE is now about 108% of average. Big Sandy-Eden Valley Basin is 70% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 83% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

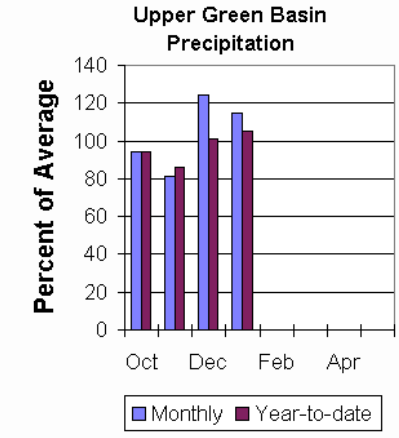


Precipitation

The 11 reporting precipitation sites in the basin were 115% of average last month (102% of last year). Last month's precipitation varied from 82-137% of average. Water year-to-date precipitation is about 105% of average (110% of last year). Year to date percentage of average ranges from 90-120% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 12,600 ac-ft or 33% of capacity. This is 68% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 150,500 ac-ft or 44% of capacity; 83% of average. This is 81% 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 to be below average. The yield on the Green River at Warren Bridge is 260,000 ac-ft (98% of average). Pine Creek above Fremont Lake is 100,000 ac-ft (96% of average). New Fork River near Big Piney is 360,000 ac-ft (91% of average). Fontenelle Reservoir Inflow is estimated to be 765,000 ac-ft (89% 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, 2009

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	205	235	260	98	285	320	265
Pine Creek abv Fremont Lake							
APR-JUL	83	93	100	96	107	118	104
New Fork River nr Big Piney							
APR-JUL	250	315	360	91	410	485	395
Fontenelle Reservoir Inflow							
APR-JUL	480	640	765	89	900	1120	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.
(3) - Median value used in place of average.

UPPER GREEN RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	12.6	10.3	18.6
EDEN		NO REPORT		
FONTENELLE	344.8	150.5	146.2	182.2

UPPER GREEN RIVER BASIN

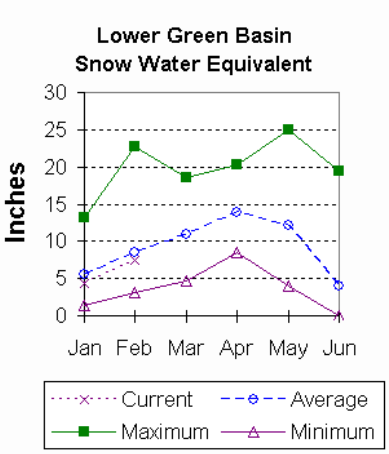
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	111	90
UPPER GREEN (West Side)	7	117	93
NEWFORK RIVER	3	141	95
BIG SANDY/EDEN VALLEY	2	87	70
GREEN above Fontenelle	14	118	93

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 88% of average. SWE in the Hams Fork Basin is 86% of average. Blacks Fork Basin SWE is currently 74% of average. In the Henrys Fork drainage SWE is 54%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

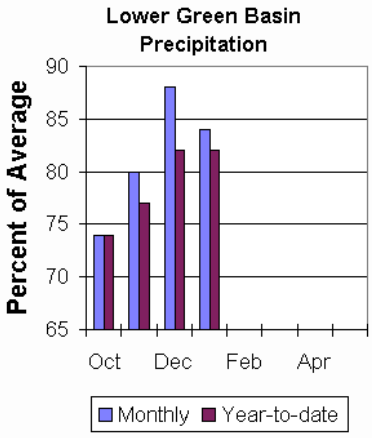


Precipitation

Precipitation was below average for the 3 reporting stations during last month at 84% of average or 80% of last year. Precipitation ranged from 79-89% of average for the month. The basin year-to-date precipitation is currently 82% of average (105% of last year). Year-to-date percentages range from 79-89% of average.

Reservoirs

Fontenelle Reservoir is currently storing 150,500 ac-ft; this is 83% of average (103% of last year). Flaming Gorge is currently storing 3,151,000 ac-ft; this is 100% of average (98% of last year). Viva Naughton is currently storing 31,500 ac-ft; this is 104% of average (111% 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 to be below average. The Green River near Green River is forecast to yield about 780,000 ac-ft (89% 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 24,000 ac-ft (83% of average). Hams Fork below Pole Creek near Frontier is forecast to be 50,000 ac-ft (77% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 68,000 ac-ft (76% of average). The Flaming Gorge Reservoir inflow will be about 910,000 ac-ft (77% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - February 1, 2009

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions: 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green River nr Green River, WY (2)							
APR-JUL	520	670	780	89	900	1090	875
Blacks Fork nr Robertson							
APR-JUL	53	69	80	84	92	112	95
EF of Smiths Fork nr Robertson							
APR-JUL	14.6	19.9	24	83	28	36	29
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	29	41	50	77	60	77	65
Hams Fork Inf to Viva Naughton Res							
APR-JUL	38	55	68	76	83	107	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	520	740	910	77	1100	1410	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.
(3) - Median value used in place of average.

LOWER GREEN RIVER BASIN

Reservoir Storage (1000AF) End of January

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	150.5	146.2	182.2
FLAMING GORGE	3749.0	3110.0	3054.0	2966.0
VIVA NAUGHTON RES	42.4	31.5	28.5	30.3

LOWER GREEN RIVER BASIN

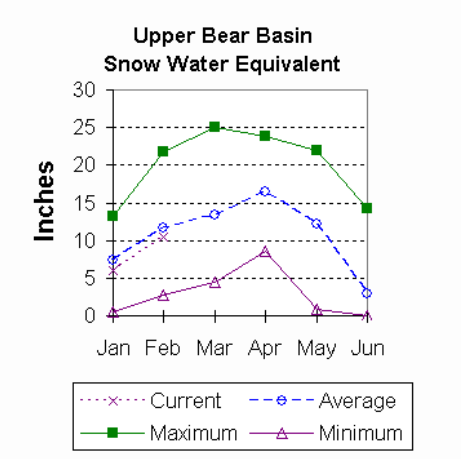
Watershed Snowpack Analysis - February 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	107	86
BLACKS FORK	2	72	83
HENRYS FORK	2	123	112
GREEN above Flaming Gorge	22	110	90

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 99% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 89% of average. Bear River Basin SWE, above the Idaho State line, is 89% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

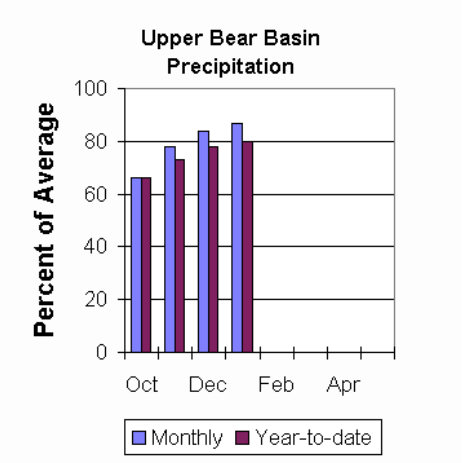
Precipitation for last month was 87% of average for the 2 reporting stations; this is 83% of the precipitation received last year. The year-to-date precipitation, for the basin, is 80% of average; this is 102% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 43,000 ac-ft (171% of average). Current reservoir storage is about 75% of capacity. Reservoir storage last year at this time was 25,000 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 108,000 ac-ft (86% of average). The Bear River above Reservoir near Woodruff is 125,000 ac-ft (88% of average). The Smiths Fork River near Border is 104,000 ac-ft (86% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN

Streamflow Forecasts - February 1, 2009

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 R nr UT-WY State Line							
APR-JUL	57	81	97	86	113	137	113
APR-SEP	63	90	108	86	126	153	125
Bear River ab Reservoir nr Woodruff							
APR-JUL	63	95	117	86	139	171	136
APR-SEP	69	102	125	88	148	181	142
Smiths Fork nr Border							
APR-JUL	58	76	88	85	100	118	103
APR-SEP	70	90	104	86	118	138	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.
(3) - Median value used in place of average.

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, 2009

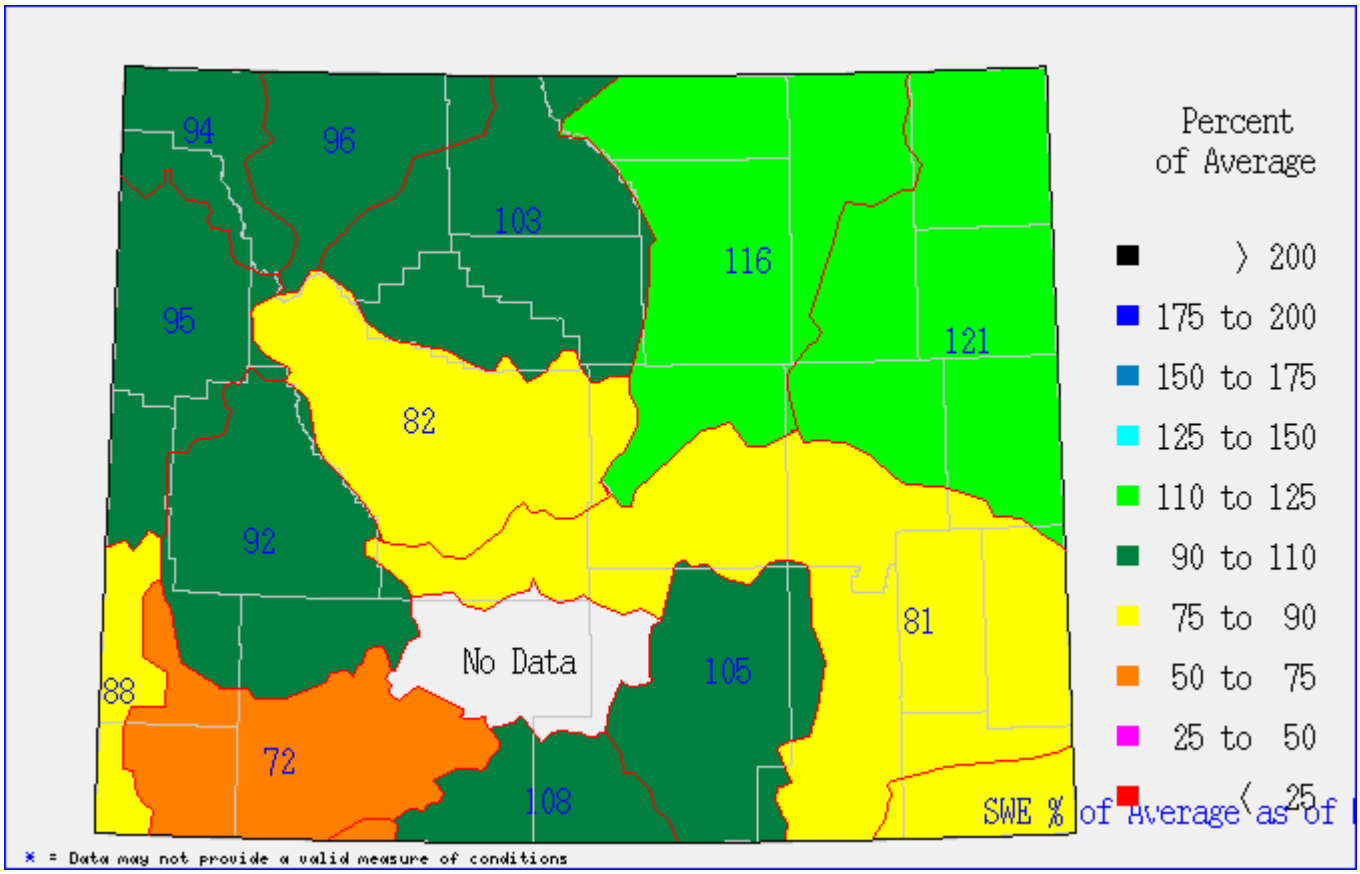
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	5	54	70
SMITHS & THOMAS FORKS	4	111	89
BEAR RIVER abv ID line	7	74	76
NORTHWEST	75	97	95
NORTHEST	23	142	129
SOUTHEAST	35	104	104
SOUTHWEST	31	99	95

Issued by

Dave White (Acting 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



As of Feb. 9, 2009

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

FEDERAL:

United States Department of the Interior (National Park Service)

United States Department of Agriculture (Forest Service)

United States Department of the Interior (Bureau of Reclamation)

United States Department of Commerce NOAA (National Weather Service)

State:

The Wyoming State Engineers Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins

Wyoming
Basin Outlook Report

Natural Resources Conservation Service
Casper, WY

100 East B Street, Room 3124
Casper, WY 82601

«NAME»
«TITLE»
«ADDRESS1»
«ADDRESS2»
«CITY», «STATE» «PostalCode»

«MailingListID»