United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming
Basin Outlook Report
March 1, 2009

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

For more water supply and resource management information, contact:

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How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. 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 slightly below average for March 1st at 96%. Precipitation for February in the basins varied from 84-213% of average. Year-to-date precipitation for Wyoming is below 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 56-241% of average for an overall average of 99%.

Snowpack

Snow water equivalent (SWE), across Wyoming is slightly below average for this time of year at 96%. SWE in the NW portion of Wyoming is now about 90% of average (91% of last year). NE Wyoming SWE is currently about 120% of average (121% of last year). The SE Wyoming SWE is currently about 103% of average (96% of last year). The SW Wyoming SWE is about 93% of average (93% of last year).

Precipitation

Last month's precipitation was below average across most of Wyoming. The Wind River Basin had the lowest precipitation for the month at 54% of average. The Upper North Platte and Little Snake River Basins had the highest precipitation amount at 119% 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	-31%	Upper North Platte River	+19%
Yellowstone & Madison	-33%	Lower North Platte	-08%
Wind River	-46%	Little Snake River	+19%
Big Horn	-17%	Upper Green River	-28%
Shoshone & Clarks Fork	-30%	Lower Green River	-14%
Powder & Tongue River	-11%	Upper Bear River	-15%
Belle Fourche & Cheyenne	-15%		

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 89% (varying from 44-131% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 87 and 96% of average, respectively; 84-99% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 75 and 82% of average, respectively; varying from 46-101% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 96% of average; varying from 90-102% of average: Yields from the Powder & Tongue River Basins are expected to be about 113% of average; varying from 100-131% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 182% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 98 and 92% of average, respectively; varying from 44-98% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 118, 71, and 87% of average respectively; yield estimates vary from 70-118% of average:

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 99% of average for the entire state. Reservoirs on the North Platte River are well below average at 77% of average. Reservoirs in the northeast are about average in storage at 99%. Reservoirs in the Wind River Basin are about average at 99%. Reservoirs on the Big Horn are above average at 106%. The Buffalo Bill Reservoir on the Shoshone is above average at 108%. Reservoirs on the Green River are about average at 100%. 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	57	38	83	68	151
BELLE FOURCHE	88	53	63	139	167
BIG SANDY	34	29	50	69	118
BIGHORN LAKE	68	62	61	112	110
BOYSEN	94	66	96	98	143
BUFFALO BILL	68	70	63	108	97
BULL LAKE	59	37	56	105	158
DEERFIELD	95	77	87	109	123
EDEN			NO REPORT		
ENNIS LAKE	72	72	77	94	100
FLAMING GORGE	79	81	78	102	98
FONTENELLE	36	32	45	79	111
GLENDO	56	55	75	75	102
GRASSY LAKE	86	88	79	108	97
GUERNSEY	39	33	31	125	119
HEBGEN LAKE	76	74	70	108	102
JACKSON LAKE	76	40	58	131	192
KEYHOLE	48	30	55	89	159
PACTOLA	94	49	84	113	192
PALISADES	72	41	74	97	177
PATHFINDER	39	21	70	56	188
PILOT BUTTE	80	78	63	127	102
SEMINOE	50	18	52	96	275
SHADEHILL	48	22	61	79	224
TONGUE RIVER	76	65	31	244	117
VIVA NAUGHTON RES			NO REPORT		
WHEATLAND #2	47	32	48	96	147
WOODRUFF NARROWS	78	45	48	161	171
TOTAL 27 RESERVOIRS	68	55	69	99	123

KAF Totals Current= 9056 Last Year= 7343 Average= 9159 Capacity= 13246

BASIN SUMMARY OF
SNOW COURSE DATA

MARCH 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	2/26/09	44	11.8	11.5	11.8
ASTER CREEK	7750	3/04/09	64	19.6	22.7	25.2
BALD MOUNTAIN SNOTEL	9380	3/01/09	59	15.9	13.4	16.0
BASE CAMP SNOTEL	7030	3/01/09	---	12.9	15.0	16.0
BATTLE MTN. SNOTEL	7440	3/01/09	---	14.1	14.1	9.7
BEARLODGE DIVIDE	4680	2/25/09	12	3.4	3.0	1.8
BEARTOOTH LK. SNOTEL	9280	3/01/09	67	17.8	21.7	19.7
BEAR TRAP SNOTEL	8200	3/01/09	33	7.4	6.6	4.3
BIG GOOSE	7760	2/26/09	20	4.3	2.9	5.1
BIG GOOSE SNOTEL	7760	3/01/09	29	6.9	6.4	7.7
BIG PARK	8620	2/25/09	52	14.1	14.8	16.2
BIG SANDY SNOTEL	9080	3/01/09	44	9.9	10.8	12.1
BLACKWATER SNOTEL	9780	3/01/09	61	18.1	20.3	20.4
BLIND BULL SNOTEL	8900	3/01/09	72	20.5	20.4	23.1
BLIND PARK SNOTEL	6870	3/01/09	33	8.3	6.1	7.1
BLUE RIDGE	9620	3/01/09	---	5.3E	10.8	9.8
BONE SPGS. SNOTEL	9350	3/01/09	57	15.8	13.2	13.2
BROOKLYN LK. SNOTEL	10220	3/01/09	65	18.5	17.5	19.0
BURGESS JCT. SNOTEL	7880	3/01/09	37	9.5	8.9	9.0
BURROUGHS CRK SNOTEL	8750	3/01/09	49	13.1	13.1	12.6
CANYON SNOTEL	8090	3/01/09	42	10.4	14.2	11.3
CASPER MTN. SNOTEL	7850	3/01/09	33	8.3	9.5	11.3
CASTLE CREEK	8400	3/01/09	---	4.2E	3.0	4.0
CCC CAMP	7000	2/26/09	40	11.9	11.0	11.0
CHALK CK #1 SNOTEL	9100	3/01/09	56	17.8	22.3	19.9
CHALK CK #2 SNOTEL	8200	3/01/09	40	12.3	16.5	12.9
CINNABAR PARK SNOTEL	9690	3/01/09	65	19.3	18.3	15.9
CLOUD PEAK SNOTEL	9850	3/01/09	51	14.0	12.0	10.0
COLE CANYON SNOTEL	5910	3/01/09	24	5.5	5.1	5.7
COLD SPRINGS SNOTEL	9630	3/01/09	27	5.6	5.4	7.2
COTTONWOOD CR SNOTEL	7700	3/01/09	---	21.9	19.7	18.5
CROW CREEK SNOTEL	8830	3/01/09	18	5.9	6.9	7.3
DARBY CANYON	8250	3/02/09	55	17.8	19.3	20.3
DEER PARK SNOTEL	9700	3/01/09	31	7.7	11.7	14.4
DITCH CREEK	6870	2/24/09	17	3.7	2.9	3.6
DIVIDE PEAK SNOTEL	8860	3/01/09	61	18.7	19.8	15.6
DOME LAKE SNOTEL	8880	3/01/09	41	9.8	8.2	9.5
DU NOIR	8760	3/01/09	---	5.2E	6.7	6.8
EAST RIM DIV SNOTEL	7930	3/01/09	---	8.0	7.3	11.0
ELBO RANCH	7100	3/03/09	31	8.5	10.0	10.3
ELKHART PARK SNOTEL	9400	3/01/09	---	10.8	9.3	11.1
EVENING STAR SNOTEL	9200	3/01/09	78	23.5	24.9	25.0
FOUR MILE MEADOWS	7860	3/03/09	38	9.9	10.5	10.8
FOXPARK	9060	2/26/09	26	6.9	6.7	6.3
GEYSER CREEK	8500	3/01/09	---	5.6E	5.7	6.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GLADE CREEK	7040	3/04/09	60	18.8	18.4	20.9
GRAND TARGHEE SNOTEL	9260	3/01/09	96	32.5	39.7	--
GRANITE CRK SNOTEL	6770	3/01/09	---	14.0	14.5	16.1
GRANNIER MEADOWS	8860	3/01/09	---	6.5E	11.5	11.7
GRASSY LAKE SNOTEL	7270	3/01/09	80	24.7	26.4	29.5
GRAVE SPRINGS SNOTEL	8550	3/01/09	29	6.8	7.2	7.3
GREYS BOUNDARY	5720	2/26/09	32	11.4	12.9	10.9
GROS VENTRE SNOTEL	8750	3/01/09	44	9.7	11.3	11.5
GROVER PARK DIVIDE	7000	2/26/09	39	11.9	11.1	10.0
HAIRPIN TURN	9480	2/27/09	48	12.9	13.4	13.9
HANSEN S.M. SNOTEL	8360	3/01/09	25	5.4	5.2	5.2
HAMS FORK SNOTEL	7840	3/01/09	---	9.0	9.9	11.0
HASKINS CREEK	8980	2/25/09	94	29.6	30.2	25.9
HOBACK GS	6640	2/24/09	33	8.2	10.4	--
HOBBS PARK SNOTEL	10100	3/01/09	34	7.9	10.4	11.9
HUCKLEBERRY DIVIDE	7300	3/04/09	58	16.8	18.4	18.5
INDIAN CREEK SNOTEL	9430	3/01/09	---	18.8	19.4	22.3
JACKPINE CREEK	7350	3/02/09	49	15.2	19.7	19.4
KELLEY R.S. SNOTEL	8180	3/01/09	---	12.1	12.0	14.0
KENDALL R.S. SNOTEL	7740	3/01/09	39	9.5	9.7	12.4
KIRWIN SNOTEL	9550	3/01/09	38	9.5	10.1	9.1
LAKE CAMP	7780	2/28/09	35	10.0	11.2	8.7
LA PRELE SNOTEL	8380	3/01/09	33	7.6	5.8	8.9
LARSEN CREEK	9020	2/23/09	22	4.9	7.3	11.0
LEWIS LAKE SNOTEL	7850	3/01/09	70	21.1	26.2	29.7
LIBBY LODGE	8750	2/27/09	38	10.2	10.2	9.6
LITTLE BEAR RUN	6240	2/24/09	24	5.7	4.8	3.4
LITTLE WARM SNOTEL	9370	3/01/09	39	8.8	7.9	9.5
LOOMIS PARK SNOTEL	8240	3/01/09	---	14.0	13.1	14.5
LUPINE CREEK	7380	2/25/09	14	1.6	5.1	7.9
MALLO	6420	2/24/09	36	9.9	7.0	6.6
MARQUETTE SNOTEL	8760	3/01/09	12	3.2	3.7	6.9
MEDICINE LODGE LAKES	9340	2/24/09	40	10.9	7.3	9.2
MIDDLE FORK	7420	3/01/09	---	4.1E	4.0	4.8
MIDDLE POWDER SNOTEL	7760	3/01/09	41	8.7	8.1	9.0
MORAN	6750	3/03/09	36	11.0	11.6	11.8
MOSS LAKE	9800	2/24/09	67	19.4	17.8	19.9
NEW FORK SNOTEL	8340	3/01/09	38	9.8	8.0	9.6
NORRIS BASIN	7500	2/25/09	27	7.7	12.1	9.6
NORTH BARRETT CREEK	9400	2/24/09	67	19.4	19.8	17.5
NORTH FRENCH SNOTEL	10130	3/01/09	95	28.3	25.4	22.7
NORTH RAPID CK SNTL	6130	3/01/09	28	8.0	7.0	6.8
NORTH TONGUE	8450	2/24/09	41	11.8	9.2	10.3
OLD BATTLE SNOTEL	9920	3/01/09	90	27.0	28.0	26.3
OLD FAITHFUL	7400	2/27/09	38	8.9	11.8	12.9
ONION GULCH	8780	2/25/09	29	6.8	5.1	6.7
OWL CREEK SNOTEL	8980	3/01/09	17	4.2	4.3	4.1
PARKERS PEAK SNOTEL	9400	3/01/09	65	19.9	21.5	18.2
POCKET CREEK	9350	2/23/09	29	7.5	7.9	10.9
POLE MOUNTAIN	8700	2/27/09	25	5.0	8.0	6.8
POWDER RVR.PASS SNTL	9480	3/01/09	43	10.9	9.7	8.7
PURGATORY GULCH	8970	2/25/09	40	12.4	11.0	9.5

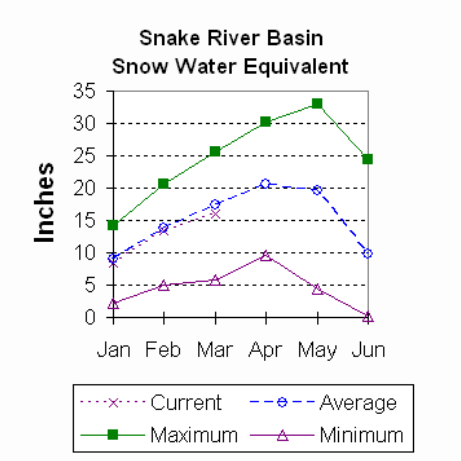
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
PHILLIPS BNCH SNOTEL	8200	3/01/09	68	20.8	25.7	23.9
RANGER CREEK	8120	2/24/09	34	7.8	7.1	7.3
RENO HILL SNOTEL	8500	3/01/09	35	9.0	9.7	10.4
REUTER CANYON	6280	2/23/09	47	15.8	9.4	8.4
ROWDY CREEK	8300	2/24/09	48	13.6	16.4	18.5
RYAN PARK	8400	2/24/09	39	11.0	11.0	9.7
SAGE CK BASIN SNTL	7850	3/01/09	38	10.3	14.9	9.0
SALT RIVER SNOTEL	7600	3/01/09	---	11.6	11.4	12.2
SAND LAKE SNOTEL	10050	3/01/09	84	23.9	22.6	25.2
SANDSTONE RS SNOTEL	8150	3/01/09	56	14.6	14.9	12.5
SAWMILL DIVIDE	9260	2/26/09	45	12.4	9.9	10.2
SHELL CREEK SNOTEL	9580	3/01/09	57	14.4	13.0	11.8
SHERIDAN R.S.	7750	3/01/09	---	4.5E	5.1	5.2
SNAKE RIVER STATION	6920	3/04/09	50	14.7	16.0	18.3
SNAKE RV STA SNOTEL	6920	3/01/09	49	13.4	14.5	16.6
SNIDER BASIN SNOTEL	8060	3/01/09	47	11.8	11.0	12.4
SOLDIER PARK	8780	2/25/09	18	4.3	3.2	4.4
SOUR DOUGH	8460	2/25/09	23	5.0	4.1	5.4
SOUTH BRUSH SNOTEL	8440	3/01/09	38	11.3	11.0	10.0
SOUTH PASS SNOTEL	9040	3/01/09	36	8.3	10.8	14.0
SPRING CRK. SNOTEL	9000	3/01/09	77	22.0	18.9	22.2
ST LAWRENCE ALT SNTL	8620	3/01/09	11	2.4	5.4	5.9
SUCKER CREEK SNOTEL	8880	3/01/09	43	11.3	10.3	9.1
SYLVAN LAKE SNOTEL	8420	3/01/09	52	14.8	17.5	18.8
SYLVAN ROAD SNOTEL	7120	3/01/09	44	11.7	9.4	11.4
T CROSS RANCH	7900	3/01/09	---	5.6E	5.1	6.8
TETON PASS W.S.	7740	2/27/09	58	18.2	24.6	23.4
THUMB DIVIDE SNOTEL	7980	3/01/09	50	12.9	13.6	15.4
THUMB DIVIDE	7980	3/04/09	52	12.8	12.5	15.8
TIE CREEK SNOTEL	6870	3/01/09	15	3.9	5.0	4.9
TIMBER CREEK SNOTEL	7950	3/01/09	13	3.1	2.8	4.2
TOGWOTEE PASS SNOTEL	9580	3/01/09	79	22.4	22.2	20.7
TOWNSEND CRK SNOTEL	8700	3/01/09	18	4.6	6.4	6.9
TRIPLE PEAK SNOTEL	8500	3/01/09	71	20.4	19.9	20.9
TURPIN MEADOWS	6900	3/03/09	31	8.3	9.0	9.4
TWO OCEAN SNOTEL	9240	3/01/09	80	27.3	29.2	23.3
TYRELL RANGER STA.	8300	2/25/09	29	7.2	5.1	6.2
UPPER SPEARFISH	6500	2/24/09	29	7.8	6.4	5.6
WEBBER SPRING SNOTEL	9250	3/01/09	69	20.6	21.8	21.3
WHISKEY PARK SNOTEL	8950	3/01/09	79	26.7	27.1	23.8
WILLOW CREEK SNOTEL	8450	3/01/09	---	27.7	25.9	25.4
WINDY PEAK SNOTEL	7900	3/01/09	26	6.7	6.5	6.0
WOLVERINE SNOTEL	7650	3/01/09	32	9.7	8.8	10.6
WOOD ROCK G.S.	8440	2/26/09	31	7.1	6.3	7.8
YOUNTS PEAK SNOTEL	8350	3/01/09	53	15.3	14.2	14.6

*E estimated

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is below average at 92%. SWE in the Snake River Basin above Jackson Lake is 87% of average. Pacific Creek Basin SWE is 100% of average. Gros Ventre River Basin SWE is 96% of average. SWE in the Hoback River drainage is 87% of average. SWE in the Greys River drainage is 103% of average. In the Salt River area SWE is 110% of average. SWE in the Snake River Basin above Palisades is 92% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

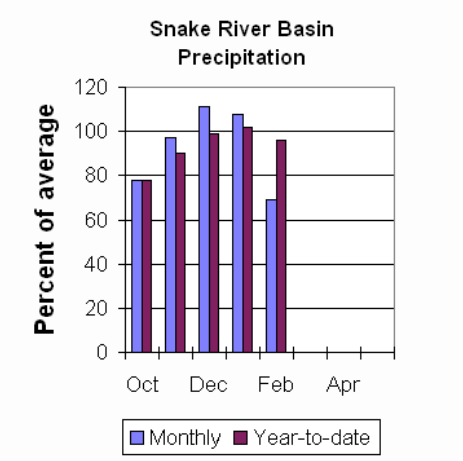


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 69% of average (73% of last year). Last month's percentages range from 47-107% of average for the 16 reporting stations. Water-year-to-date precipitation is 96% of average for the Snake River Basin (92% of last year). Year-to-date percentages range from 78-118% of average.

Reservoir

Current reservoir storage is 108% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 108% of average (13,000 ac-ft compared to 13,400 last year). Jackson Lake storage is 131% of average (644,800 ac-ft compared to 335,400 ac-ft last year). Palisades Reservoir storage is about 97% of average (1,004,000 ac-ft compared to 567,300 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 April through September are below average for the basin. The Snake near Moran is 790,000 ac-ft (87% of average). Snake above reservoir near Alpine is 2,400,000 ac-ft (88% of average). The Snake near Irwin is 3,390,000 ac-ft (88% of average). The Snake near Heise is 3,630,000 ac-ft (87% of average). Pacific Creek at Moran is 175,000 ac-ft 98% of average). Greys River above Palisades Reservoir is 380,000 ac-ft (96% of average). Salt River near Etna is 390,000 ac-ft (93% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - March 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)
Snake R Nr Moran							
APR-JUL	548	673	730	90	787	912	815
APR-SEP	581	725	790	87	855	999	905
Snake R Nr Alpine							
APR-JUL	1600	1944	2100	89	2256	2600	2370
APR-SEP	1809	2215	2400	88	2585	2991	2730
Snake R nr Irwin							
APR-JUL	2347	2789	2990	90	3191	3633	3330
APR-SEP	2677	3167	3390	88	3613	4103	3870
Snake R nr Heise							
APR-JUL	2654	2979	3200	90	3421	3746	3560
APR-SEP	3014	3381	3630	87	3879	4246	4160
Pacific Ck At Moran							
APR-JUL	125	152	170	99	188	215	171
APR-SEP	128	156	175	98	194	222	178
Greys R Nr Alpine							
APR-JUL	267	304	330	97	356	393	340
APR-SEP	304	349	380	96	411	456	395
Salt R Nr Etna							
APR-JUL	204	273	320	94	367	436	340
APR-SEP	250	333	390	93	447	530	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	13.0	13.4	12.0
JACKSON LAKE	847.0	644.8	335.4	494.0
PALISADES	1400.0	1004.0	567.3	1033.1

SNAKE RIVER BASIN

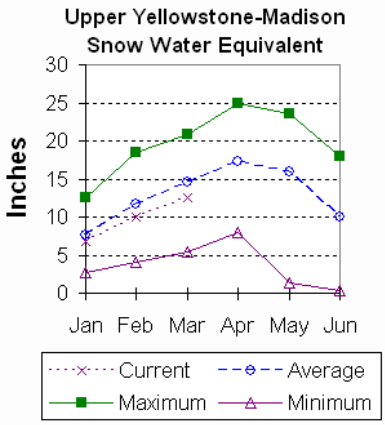
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	9	91	87
PACIFIC CREEK	3	92	100
GROS VENTRE RIVER	3	97	96
HOBACK RIVER	5	99	87
GREYS RIVER	5	106	103
SALT RIVER	5	107	110
SNAKE above Palisades	28	95	92

Upper Yellowstone & Madison River Basins

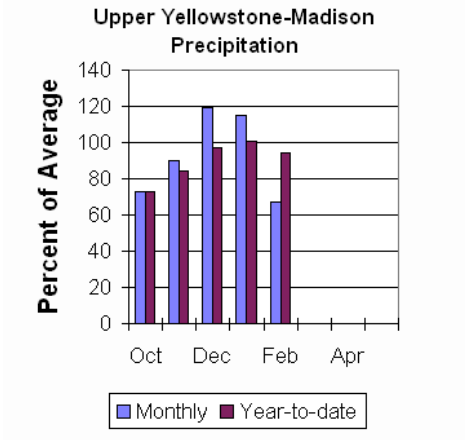
Snow

Snowfall in these basins has been down so far this year SWE in both basins is below average for this time of year. Snow water equivalent (SWE) is about 79% of average in the Madison drainage. SWE in the Yellowstone drainage is about 94% 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 67% of average (75% of last year). The 5 reporting stations percentages range from 48-104% of average. Water-year-to-date precipitation is about 94% of average (79% of last year's amount). Year to date percentage ranges from 87-110%.



Reservoir

Ennis Lake is storing about 29,600 ac-ft of water (72% of capacity, 94% of average or 100% of last year's volume). Hebgen Lake is storing about 285,800 ac-ft of water (76% of capacity, 108% of average or 102% 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 below average for the basin. Yellowstone at Lake Outlet is 745,000 ac-ft (93% of average). Yellowstone at Corwin Springs will yield around 1,920,000 ac-ft (98% of average). Yellowstone near Livingston will yield around 2,190,000 ac-ft (96% of average). Hebgen Reservoir inflow is 425,000 ac-ft (84% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - March 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	450	520	565	96	610	680	590
APR-SEP	595	685	745	93	805	895	805
YELLOWSTONE RIVER at Corwin Springs							
APR-JUL	1330	1520	1640	99	1760	1950	1650
APR-SEP	1550	1770	1920	98	2070	2290	1970
YELLOWSTONE RIVER near Livingston							
APR-JUL	1480	1710	1870	98	2030	2260	1900
APR-SEP	1730	2000	2190	96	2380	2650	2280
HEBGEN Reservoir Inflow							
APR-JUL	265	305	330	84	355	395	395
APR-SEP	345	395	425	84	455	505	505

* 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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	29.6	29.6	31.4
HEBGEN LAKE	377.5	285.8	279.4	265.2

UPPER YELLOWSTONE & MADISON RIVER BASINS

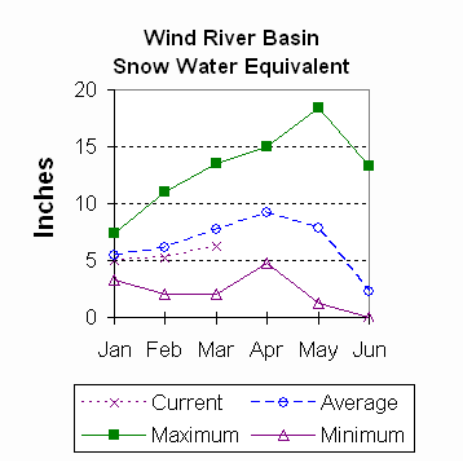
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	68	79
YELLOWSTONE RIVER in WY	12	88	94

Wind River Basin

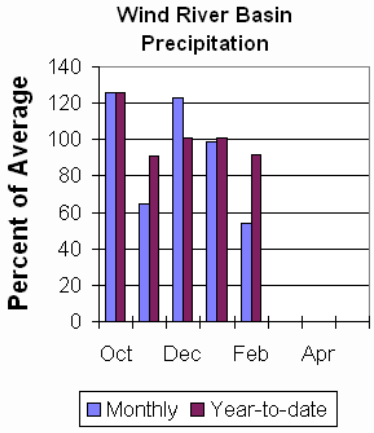
Snow

The Wind River Basin above Boysen Reservoir has below average snow water equivalent (SWE 81%) for this time of the year. SWE in the Wind River above Dubois is 98% of average. The Little Wind SWE is 58% of average, and the Popo Agie drainage SWE is about 60% 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 25-84% of average. Precipitation, for the basin, was about 54% of average from the 8 reporting stations; that is about 54% of last year's amount. Water year-to-date precipitation is 92% of average and about 86% of last year at this time. Year-to-date percentages range from 76-118% of average.



Reservoirs

Current storage varies from 98-127% of average. Usable storage in Bull Lake is currently about 89,900 ac-ft (105% of average) - the reservoir is about 158% of last year. Boysen Reservoir is storing about 98% of average (557,400 ac-ft) – the reservoir is about 143% of last year. Pilot Butte is at 127% of average (25,300 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 76,000 ac-ft (81% of average). The Wind River above Bull Lake Creek is 480,000 ac-ft (90% of average). Bull Lake Creek near Lenore is 127,000 ac-ft (70% of average). Wind River at Riverton will yield around 540,000 ac-ft (84% of average). Little Popo Agie River near Lander is around 32,000 ac-ft (60% of average). South Fork of Little Wind near Fort Washakie will yield around 50,000 ac-ft (60% of average). Little Wind River near Riverton will yield around 144,000 ac-ft (46% of average). Boysen Reservoir inflow will yield around 610,000 ac-ft (75% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - March 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	40	48	53	79	58	66	67
APR-SEP	59	69	76	81	83	93	94
WIND RIVER abv Bull Lake Cr (2)							
APR-JUL	280	345	390	90	435	500	435
APR-SEP	350	430	480	90	530	610	535
BULL LAKE CR near Lenore							
APR-JUL	73	92	104	70	116	135	148
APR-SEP	89	111	127	70	143	165	182
WIND RIVER at Riverton (2)							
APR-JUL	300	395	460	84	525	620	545
APR-SEP	350	465	540	84	615	730	640
LT POPO AGIE RIVER nr Lander							
APR-JUL	11.9	21	27	59	33	42	46
APR-SEP	15.8	25	32	60	39	48	53
SF LT WIND nr Fort Washakie							
APR-JUL	24	36	44	60	52	64	73
APR-SEP	27	41	50	60	59	73	84
LT WIND RIVER nr Riverton							
APR-JUL	52	77	129	46	181	260	280
APR-SEP	58	87	144	46	200	285	315
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	160	390	545	76	700	930	717
APR-SEP	179	435	610	75	785	1040	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	89.9	56.9	85.4
BOYSEN	596.0	557.4	390.5	571.4
PILOT BUTTE	31.6	25.3	24.8	19.9

WIND RIVER BASIN

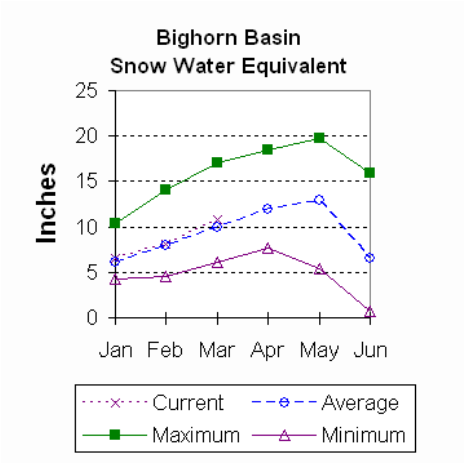
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	7	103	98
LITTLE WIND	2	65	58
POPO AGIE	7	68	60
WIND above Boysen Resv	14	89	81

Bighorn River Basin

Snow

The Bighorn River Basin above Bighorn Reservoir SWE is above average at 109%. The Nowood River is at 112% of average. The Greybull River SWE is at 95% of average. Shell Creek SWE is 112% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

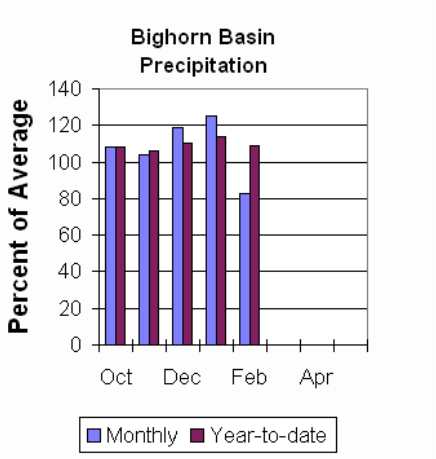


Precipitation

Last month's precipitation was 83% of average (86% of last year). Sites ranged from 50-160% of average for the month. Year-to-date precipitation is 109% of average; that is 100% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 57-131%.

Reservoir

Boysen Reservoir is currently storing 557,400 ac-ft (98% of average). Bighorn Lake is now at 112% of average (923,500 ac-ft). Boysen is currently storing 143% of last year volume at this time and Big Horn Lake is storing 110% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow is 610,000 ac-ft (75% of average); the Greybull River near Meeteetse should yield around 183,000 ac-ft (92% of average); Shell Creek near Shell should yield around 73,000 ac-ft (101% of average) and the Bighorn River at Kane should yield around 910,000 ac-ft (82% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - March 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	160	390	545	76	700	930	717
APR-SEP	179	435	610	75	785	1040	809
GREYBULL RIVER nr Meeteetse							
APR-JUL	98	120	135	91	150	172	148
APR-SEP	135	164	183	92	200	230	200
SHELL CREEK nr Shell							
APR-JUL	47	56	62	103	68	77	60
APR-SEP	56	66	73	101	80	90	72
BIGHORN RIVER at Kane (2)							
APR-JUL	320	630	840	84	1050	1360	1000
APR-SEP	345	680	910	82	1140	1480	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	557.4	390.5	571.4
BIGHORN LAKE	1356.0	923.5	836.0	826.3

BIGHORN RIVER BASIN

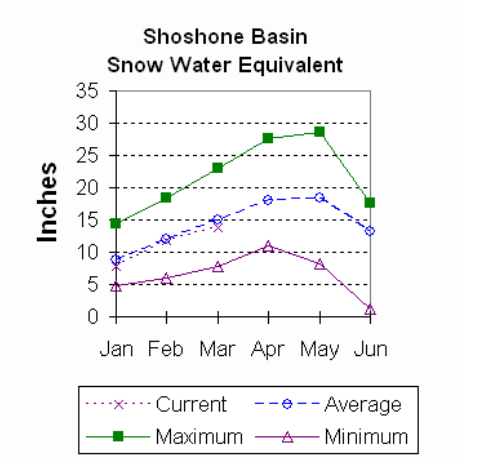
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	126	112
GREYBULL RIVER	2	98	95
SHELL CREEK	4	115	112
BIGHORN (Boysen-Bighorn)	11	117	109

Shoshone and Clarks Fork River Basin

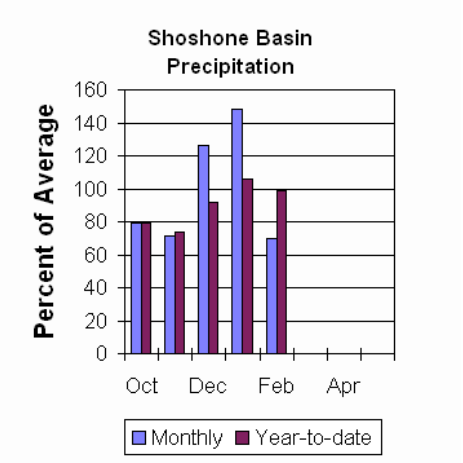
Snow

Snowpack in these basins is below average for this time of year. Snow Water Equivalent (SWE) is 89% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 96% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Precipitation for last month was 70% of average (59% of last year). Monthly percentages range from 38-104% of average. The basin year-to-date precipitation is now 99% of average (84% of last year). Year-to-date percentages range from 83-114% of average for the 8 reporting stations.



Reservoir

Current storage in Buffalo Bill Reservoir is about 108% of average (97% of last year's storage) – the reservoir is at about 68% of capacity. Currently, about 436,700 ac-ft are stored in the reservoir compared to 452,200 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 the April through September period are expected to be slightly below average for the basin. The North Fork Shoshone River at Wapiti is 475,000 ac-ft (91% of average). The South Fork of the Shoshone River near Valley is 265,000 ac-ft (100% of average), and the South Fork above Buffalo Bill Reservoir runoff is 230,000 ac-ft (102% of average). The Buffalo Bill Reservoir inflow is expected to yield around 785,000 ac-ft (98% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 535,000 ac-ft (90% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - March 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)
NF SHOSHONE RIVER at Wapiti							
APR-JUL	325	385	425	92	465	525	460
APR-SEP	365	430	475	91	520	585	520
SF SHOSHONE RIVER nr Valley							
APR-JUL	184	210	230	102	250	275	225
APR-SEP	215	245	265	100	285	315	265
SF SHOSHONE RIVER abv Buffalo Bill							
APR-JUL	146	190	220	102	250	295	215
APR-SEP	152	198	230	102	260	310	225
BUFFALO BILL DAM Inflow (2)							
APR-JUL	550	645	710	99	775	870	720
APR-SEP	610	715	785	98	855	960	805
CLARKS FORK RIVER nr Belfry							
APR-JUL	390	450	490	91	530	590	540
APR-SEP	425	490	535	90	580	645	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	436.7	452.2	405.8

SHOSHONE & CLARKS FORK RIVER BASINS

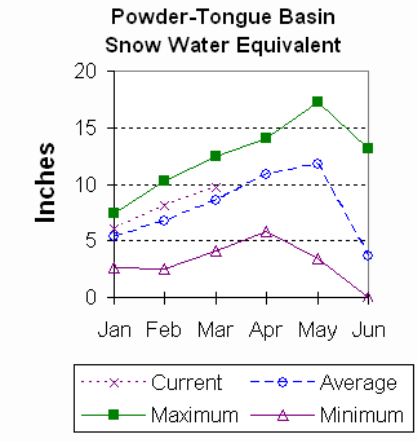
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	96	89
CLARKS FORK in WY	7	89	96

Powder and Tongue River Basins

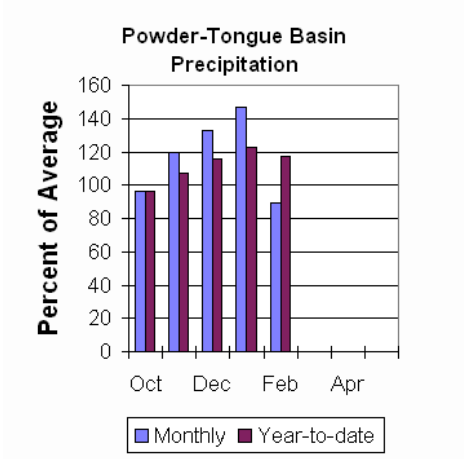
Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 110% of average. The Goose Creek drainage is 106% of average. SWE in the Clear Creek drainage is 115% of average. Crazy Woman Creek drainage is 109% of average. Upper Powder River drainage SWE is 118% of average. Powder River Basin SWE in Wyoming is 116% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 89% of average for the 9 reporting stations (89% of last year). Monthly percentages range from 44-131% of average. Year-to-date precipitation is 117% of average in the basin; this is 105% of last year at this time. Precipitation for the year ranges from 92-138% of average.



Reservoir

The Tongue River Reservoir is at 76% of capacity; 244% of average; and 117% of last year at 60,000 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 120,000 ac-ft (110% of average). Big Goose Creek near Sheridan is 61,000 ac-ft (102% of average). Little Goose Creek near Bighorn is 44,000 ac-ft (105% 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 18,600 ac-ft (100% of average). The North Fork of the Powder River near Hazelton should yield around 13,600 ac-ft (131% of average). Rock Creek near Buffalo will yield about 28,000 ac-ft (117% of average), and Piney Creek at Kearny should yield about 58,000 ac-ft (112% of average). The Powder River at Moorehead is 265,000 ac-ft (115% of average). The Powder River near Locate is 305,000 ac-ft (117% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - March 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	75	93	106	110	119	137	96
APR-SEP	91	106	120	110	134	149	109
BIG GOOSE CREEK nr Sheridan							
APR-JUL	33	44	52	100	60	71	52
APR-SEP	41	53	61	102	69	81	60
LITTLE GOOSE CREEK nr Big Horn							
APR-JUL	24	31	36	106	41	48	34
APR-SEP	31	39	44	105	49	57	42
TONGUE RIVER RESERVOIR Inflow (2)							
APR-JUL	120	186	230	105	275	340	220
APR-SEP	160	215	260	104	305	360	250
MIDDLE FORK POWDER nr Barnum							
APR-JUL	11.7	15.2	17.5	98	19.8	23	17.8
APR-SEP	12.6	16.2	18.6	100	21	25	18.7
NORTH FORK POWDER nr Hazelton							
APR-JUL	9.4	11.3	12.6	131	13.9	15.8	9.6
APR-SEP	10.2	12.2	13.6	131	15.0	17.0	10.4
ROCK CREEK nr Buffalo							
APR-JUL	16.4	21	24	121	27	32	19.9
APR-SEP	19.8	25	28	117	31	36	24
PINEY CREEK at Kearny							
APR-JUL	30	45	55	112	65	80	49
APR-SEP	33	48	58	112	68	83	52
POWDER RIVER at Moorehead							
APR-JUL	131	199	245	120	290	360	205
APR-SEP	147	215	265	115	315	385	230
POWDER RIVER nr Locate							
APR-JUL	140	220	275	117	330	410	235
APR-SEP	156	245	305	117	365	450	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	60.0	51.2	24.6

POWDER & TONGUE RIVER BASINS

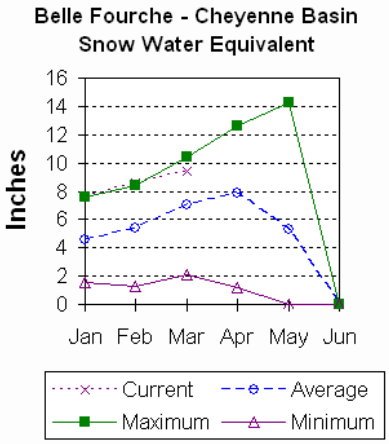
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	114	110
GOOSE CREEK	3	119	106
CLEAR CREEK	4	117	115
CRAZY WOMAN CREEK	3	120	109
UPPER POWDER RIVER	4	115	118
POWDER RIVER in WY	8	116	116

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 135% of average for this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

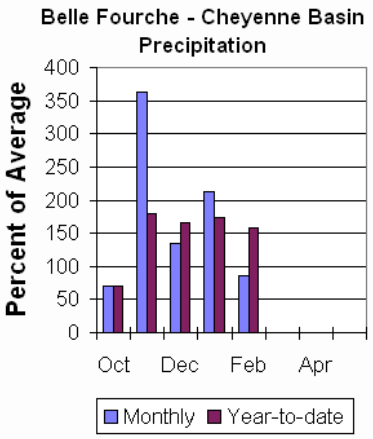


Precipitation

Precipitation for last month was 85% of average or 49% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 80-92%. Year-to-date precipitation is 158% of average and 148% of last year's amount. Yearly percentages range from 148-168% of average.

Reservoir

Current reservoir storage is around 99% of average in the basin. Angostura is currently storing 68% of average (69,300 ac-ft), about 57% of capacity. Belle Fourche reservoir is storing 139% of average (156,600 ac-ft), about 88% of capacity. Deerfield reservoir is storing 109% of average (14,400 ac-ft), about 95% of capacity. Keyhole reservoir is storing 89% of average (93,800 ac-ft), about 48% of capacity. Pactola reservoir is storing 113% of average (51,800 ac-ft), about 94% of capacity. Shadehill reservoir is storing 79% of average (39,400 ac-ft), about 48% 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 11,200 ac-ft (184% of average). Pactola Reservoir Inflow is expected to yield around 47,000 ac-ft (181% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - March 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)
DEERFIELD RESERVOIR Inflow							
MAR-JUL	7.4	9.6	11.2	184	12.8	15.0	6.1
PACTOLA RESERVOIR Inflow							
MAR-JUL	29	40	47	181	54	65	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	69.3	46.0	101.7
BELLE FOURCHE	178.4	156.6	93.7	113.0
DEERFIELD	15.2	14.4	11.7	13.2
KEYHOLE	193.8	93.8	59.1	105.9
PACTOLA	55.0	51.8	27.0	46.0
SHADEHILL	81.4	39.4	17.6	50.0

BELLE FOURCHE & CHEYENNE RIVER BASINS

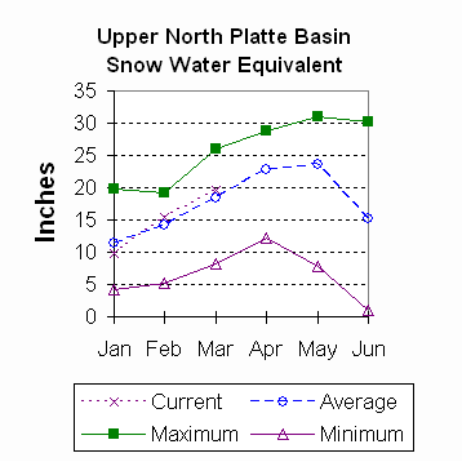
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	8	129	140

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 106% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 103% of average at this time. SWE in the Encampment River drainage is about 107% of average. Brush Creek SWE for the year is about 112% of average. Medicine Bow and Rock Creek drainages SWE are about 96% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

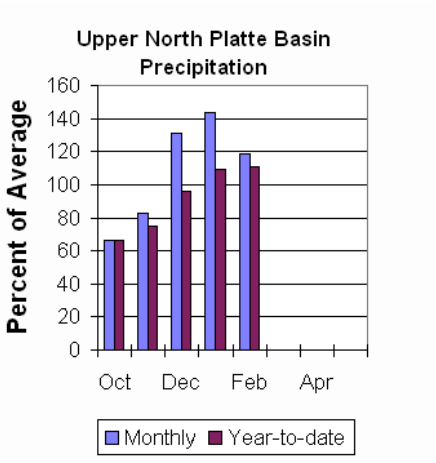


Precipitation

Eight reporting stations show last month's precipitation at 119% of average or 91% of last year's amount. Precipitation varied from 73-165% of average last month. Total water-year-to-date precipitation is about 111% of average for the basin, which is about 95% of last year's amount. Year to date percentage ranges from 89-132% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 506,200 ac-ft or 50% of capacity. Seminoe Reservoir is also storing about 96% of average for this time of the year and 275% 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 just below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 255,000 ac-ft (94% of average). The Encampment River near Encampment is 182,000 ac-ft (110% of average). Rock Creek near Arlington is 50,000 ac-ft (88% 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 - March 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)
NORTH PLATTE RIVER nr Northgate							
APR-JUL	124	190	235	96	280	345	245
APR-SEP	130	205	255	94	305	380	270
ENCAMPMENT RIVER nr Encampment							
APR-JUL	129	154	171	110	188	215	156
APR-SEP	137	164	182	110	200	225	165
ROCK CREEK nr Arlington							
APR-JUL	31	41	47	89	53	63	53
APR-SEP	33	43	50	88	57	67	57
SWEETWATER RIVER nr Alcova							
APR-JUL	12.8	20	32	43	44	61	74
APR-SEP	14.0	22	35	44	48	67	80
SEMINOE RESERVOIR Inflow							
APR-JUL	355	610	780	98	950	1200	800
APR-SEP	375	655	840	98	1030	1300	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	506.2	184.4	527.4

UPPER NORTH PLATTE RIVER BASIN

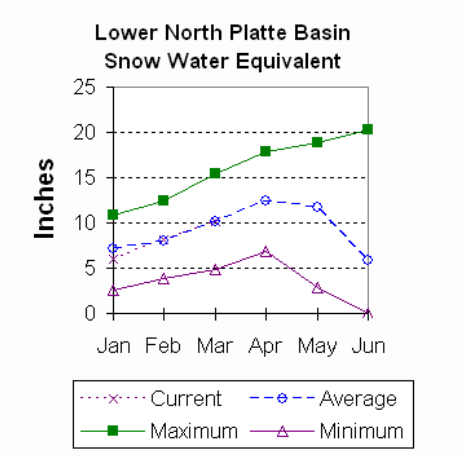
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	7	93	103
ENCAMPMENT RIVER	4	99	107
BRUSH CREEK	5	105	112
MEDICINE BOW & ROCK CREEKS	3	107	96
N PLATTE above Seminoe	19	99	106

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 100% of average. The Sweetwater drainage SWE is currently at 54% of average. Deer and LaPrele Creek SWE are at 86% of average. SWE for the North Platte above the Laramie River drainage is 99% of average. SWE for the Laramie River above Laramie is 101% of average. SWE for the Little Laramie River is 104% of average. The Laramie River above mouth, SWE is 100% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

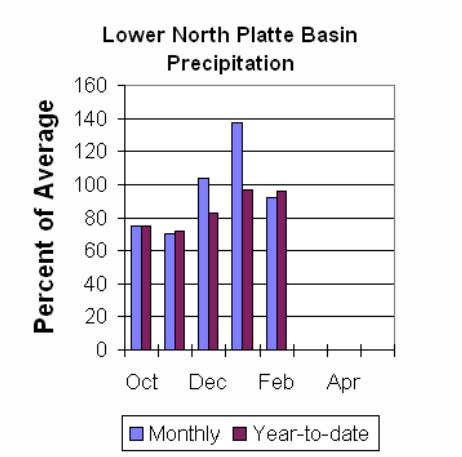


Precipitation

Last month's precipitation was 92% of average or 84% of last year's amount. Of the 8 reporting stations, percentages for the month range from 27-176%. The water year-to-date precipitation for the basin is currently 96% of average (90% of last year). Year-to-date percentages range from 67-162% of average.

Reservoir

The Lower North Platte River basin reservoir storage is below average at 77%. Reservoir storage is as follows: Alcova 156,400 ac-ft (101% of average); Glendo 285,300 ac-ft (75% of average); Guernsey 17,800 ac-ft (125% of average); Pathfinder 401,500 ac-ft (56% of average); Seminoe 506,200 ac-ft (96% of average); and Wheatland #2 46,000 ac-ft (96% 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 35,000 ac-ft (44% of average). Deer Creek at Glenrock is forecast to yield 27,000 ac-ft (73% of average). LaPrele Creek above the reservoir is forecast to yield 14,300 ac-ft (60% of average). North Platte - Alcova to Orin Gain is forecast to yield 68,000 ac-ft (42% of average). North Platte River below Glendo Reservoir is 895,000 ac-ft (90% of average), and below Guernsey Reservoir is anticipated to yield around 925,000 ac-ft (92% of average). Laramie River near Woods Landing should yield around 127,000 ac-ft (94% 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 - March 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	12.8	20	32	43	44	61	74
APR-SEP	14.0	22	35	44	48	67	80
DEER CREEK at Glenrock							
APR-JUL	6.9	10.7	26	70	41	64	37
APR-SEP	7.6	11.7	27	73	42	65	37
LaPRELE CREEK abv Reservoir							
APR-JUL	4.3	6.5	14.1	59	22	33	24
APR-SEP	4.4	6.6	14.3	60	22	33	24
NORTH PLATTE - Alcova to Orin Gain							
APR-JUL	17.0	25	62	41	107	173	152
APR-SEP	21	27	68	42	115	184	161
NORTH PLATTE RIVER blw Glendo Res (2)							
APR-JUL	605	765	870	91	975	1130	960
APR-SEP	615	785	895	90	1010	1170	990
NORTH PLATTE RIVER blw Guernsey Res (2)							
APR-JUL	560	755	890	92	1020	1220	970
APR-SEP	585	785	925	92	1060	1260	1010
LARAMIE RIVER nr Woods							
APR-JUL	80	101	115	94	129	150	123
APR-SEP	88	111	127	94	143	166	135
LITTLE LARAMIE RIVER nr Filmore							
APR-JUL	38	50	58	98	66	78	59
APR-SEP	41	54	63	98	72	85	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	156.4	156.5	155.6
GLENDO	506.4	285.3	281.0	381.4
GUERNSEY	45.6	17.8	14.9	14.2
PATHFINDER	1016.5	401.5	213.7	712.4
SEMINOE	1016.7	506.2	184.4	527.4
WHEATLAND #2	98.9	46.0	31.3	47.7

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

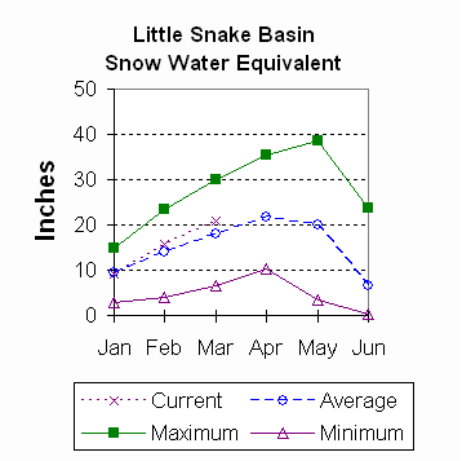
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	4	66	54
DEER & LaPRELE CREEKS	2	107	86
N PLATTE abv Laramie R.	25	96	99
LARAMIE RIVER abv Laramie	10	91	101
LITTLE LARAMIE RIVER	5	103	104
LARAMIE RIVER above mouth	13	93	100
NORTH PLATTE	31	96	100

Little Snake River Basin

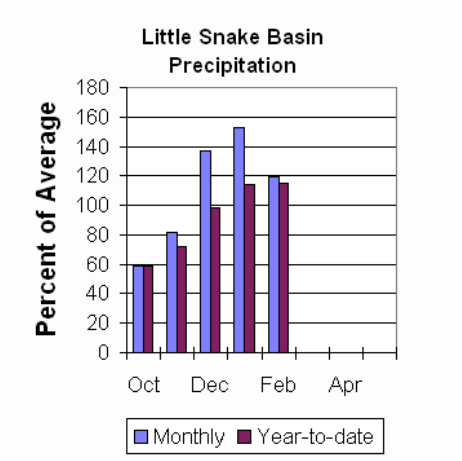
Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 116% 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 119% of average (87% of last year) for the 5 reporting stations. Last month's precipitation ranged from 111-136% of average. The Little Snake River basin water-year-to-date precipitation is currently 115% of average (96% 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 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 180,000 ac-ft (113% of average). The Little Snake River near Dixon is estimated to yield around 390,000 ac-ft (118% of average). See the following table for more detailed information on projected runoff.

LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - March 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	132	160	180	113	200	235	159
Little Snake River nr Dixon							
APR-JUL	260	335	390	118	450	545	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

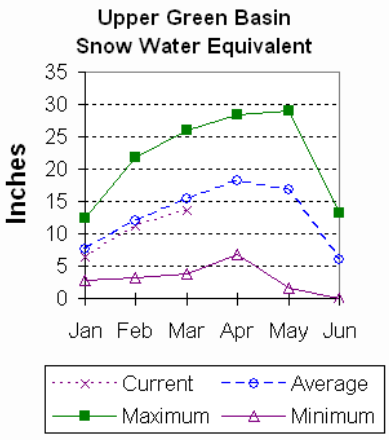
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	8	97	116

Upper Green River Basin

Snow

SWE in the Green River Basin above Fontenelle Reservoir is about 88% of average. SWE for the west side of Upper Green River Basin is about 89% of average. Newfork River Basin SWE is now about 89% of average. Big Sandy-Eden Valley Basin is 64% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 88% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

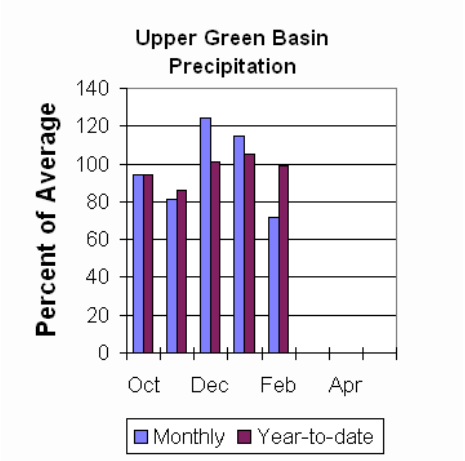


Precipitation

The 11 reporting precipitation sites in the basin were 72% of average last month (70% of last year). Last month's precipitation varied from 45-96% of average. Water year-to-date precipitation is about 99% of average (102% of last year). Year to date percentage of average ranges from 87-109% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 13,100 ac-ft or 34% of capacity. This is 69% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 123,500 ac-ft or 36% of capacity; 79% of average. This is 78% of average for the Upper Green River basin. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Upper Green River Basin are forecast to be below average. The yield on the Green River at Warren Bridge is 245,000 ac-ft (93% of average). Pine Creek above Fremont Lake is 100,000 ac-ft (96% of average). New Fork River near Big Piney is 330,000 ac-ft (84% of average). Fontenelle Reservoir Inflow is estimated to be 715,000 ac-ft (83% 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 - March 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	194	225	245	93	265	300	265
Pine Creek abv Fremont Lake							
APR-JUL	84	93	100	96	107	117	104
New Fork River nr Big Piney							
APR-JUL	235	290	330	84	375	445	395
Fontenelle Reservoir Inflow							
APR-JUL	465	610	715	83	830	1020	860
Big Sandy River nr Farson							
APR-JUL	32	39	45	78	51	61	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	13.1	11.1	19.1
EDEN		NO REPORT		
FONTENELLE	344.8	123.5	111.4	156.1

UPPER GREEN RIVER BASIN

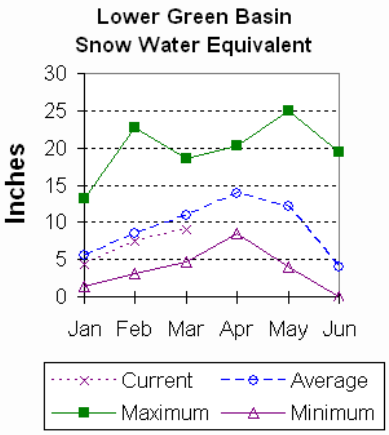
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	102	83
UPPER GREEN (West Side)	7	100	89
NEWFORK RIVER	3	112	89
BIG SANDY/EDEN VALLEY	2	82	64
GREEN above Fontenelle	14	102	88

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 83% of average. SWE in the Hams Fork Basin is 85% of average. Blacks Fork Basin SWE is currently 76% of average. In the Henrys Fork drainage SWE is 62%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

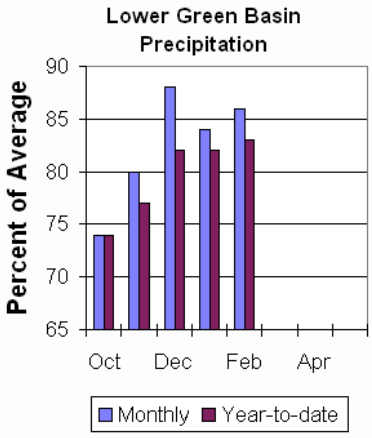


Precipitation

Precipitation was below average for the 3 reporting stations during last month at 86% of average or 86% of last year. Precipitation ranged from 85-87% of average for the month. The basin year-to-date precipitation is currently 83% of average (100% of last year). Year-to-date percentages range from 81-89% of average.

Reservoirs

Fontenelle Reservoir is currently storing 123,500 ac-ft; this is 79% of average (111% of last year). Flaming Gorge is currently storing 2,966,000 ac-ft; this is 102% of average (98% of last year). Viva Naughton - No Report. 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 725,000 ac-ft (83% of average). The Blacks Fork near Robertson is forecast to yield 70,000 ac-ft (74% of average). East Fork of Smiths Fork near Robertson is forecast to yield 21,000 ac-ft (72% of average). Hams Fork below Pole Creek near Frontier is forecast to be 47,000 ac-ft (72% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 62,000 ac-ft (70% of average). The Flaming Gorge Reservoir inflow will be about 845,000 ac-ft (71% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - March 1, 2009

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green River nr Green River, WY (2)							
APR-JUL	475	620	725	83	840	1030	875
Blacks Fork nr Robertson							
APR-JUL	46	60	70	74	81	99	95
EF of Smiths Fork nr Robertson							
APR-JUL	12.6	17.4	21	72	25	32	29
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	30	40	47	72	55	68	65
Hams Fork Inf to Viva Naughton Res							
APR-JUL	37	51	62	70	74	94	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	480	685	845	71	1020	1310	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	123.5	111.4	156.1
FLAMING GORGE	3749.0	3110.0	3034.0	2919.0
VIVA NAUGHTON RES		NO REPORT		

LOWER GREEN RIVER BASIN

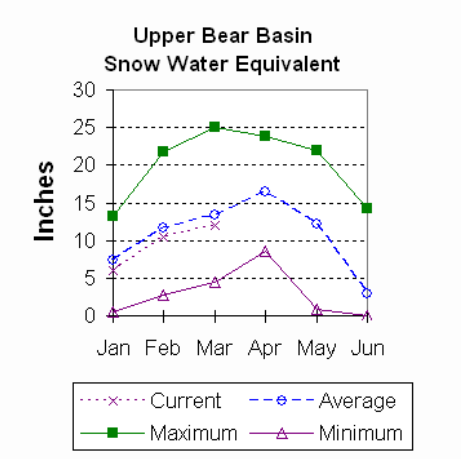
Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	96	85
BLACKS FORK	5	66	77
HENRYS FORK	3	99	96
GREEN above Flaming Gorge	26	93	85

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 93% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 87% 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

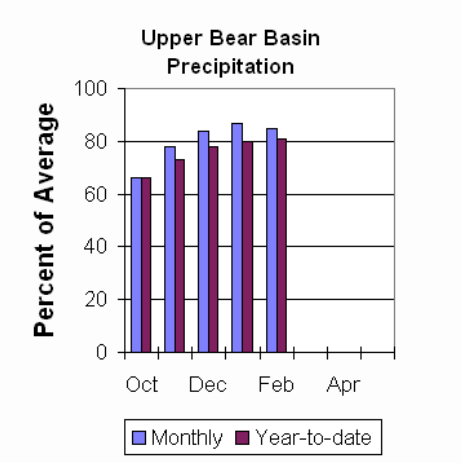
Precipitation for last month was 85% of average for the 2 reporting stations; this is 77% of the precipitation received last year. The year-to-date precipitation, for the basin, is 81% of average; this is 96% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 44,500 ac-ft (161% of average). Current reservoir storage is about 78% of capacity. Reservoir storage last year at this time was 26,000 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 110,000 ac-ft (88% of average). The Bear River above Reservoir near Woodruff is 120,000 ac-ft (85% of average). The Smiths Fork River near Border is 105,000 ac-ft (87% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN

Streamflow Forecasts - March 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	65	84	97	86	110	129	113
APR-SEP	73	95	110	88	125	147	125
Bear River ab Reservoir nr Woodruff							
APR-JUL	67	95	114	84	133	161	136
APR-SEP	72	100	120	85	140	168	142
Smiths Fork nr Border							
APR-JUL	65	79	88	85	97	111	103
APR-SEP	79	95	105	87	115	131	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WOODRUFF NARROWS	57.3	48.2	35.0	27.6

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - March 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	7	72	82
SMITHS & THOMAS FORKS	4	98	87
BEAR RIVER abv ID line	9	79	81
NORTHWEST	75	91	90
NORTHEST	23	121	120
SOUTHEAST	35	96	103
SOUTHWEST	35	93	93

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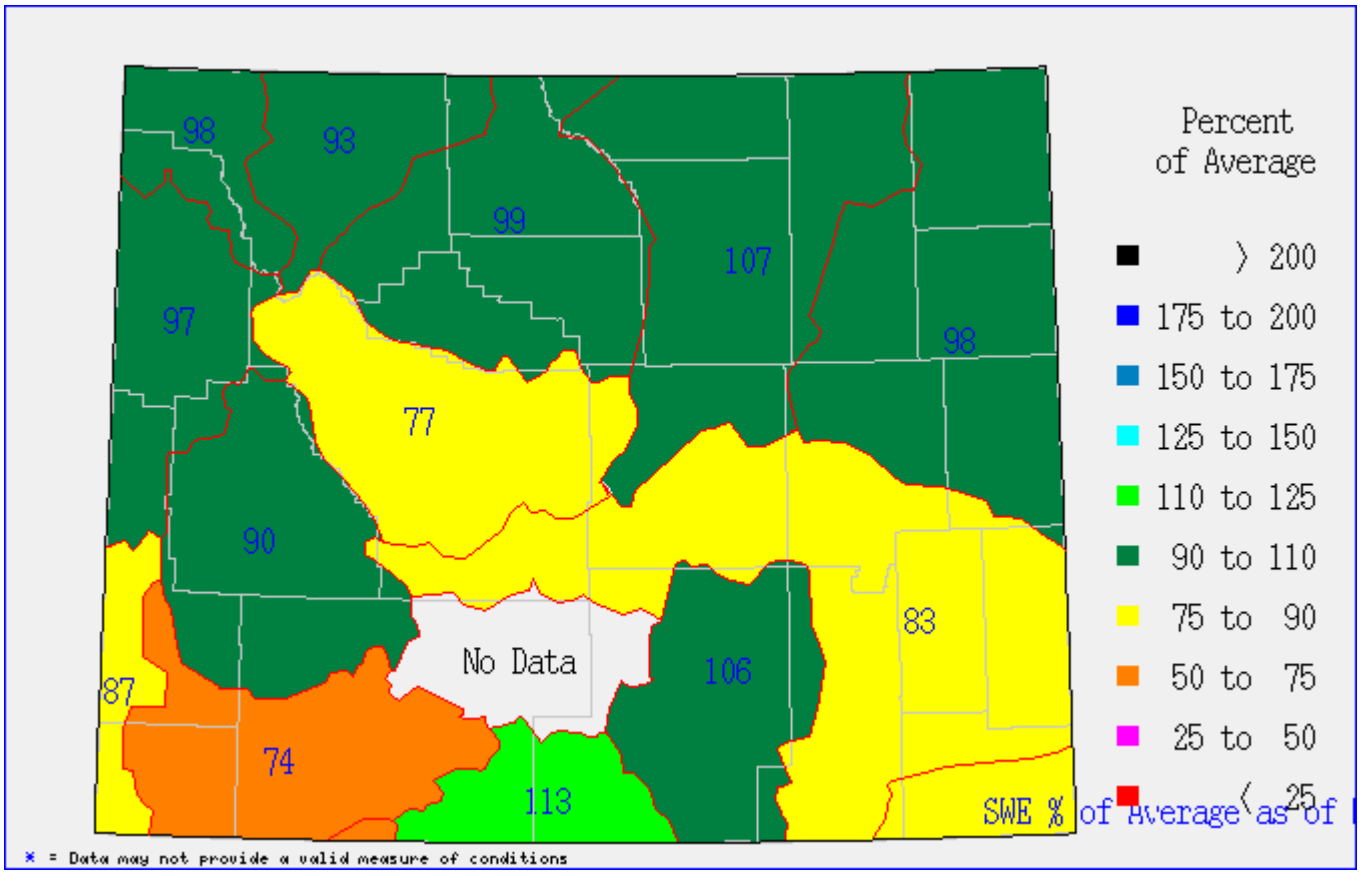

As of Mar. 9th, 2009

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

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