United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming
Basin Outlook Report
April 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 slightly below average for April 1st at 98%. Precipitation for March in the basins varied from 86-169% of average. Year-to-date precipitation for Wyoming is about average for the year. Forecasted runoff varies from 51-230% of average across Wyoming for an overall average of 96%. Basin reservoir levels for Wyoming vary from 54-206% of average for an overall average of 102%.

Snowpack

Snow water equivalent (SWE), across Wyoming is slightly below average for this time of year at 98%. SWE in the NW portion of Wyoming is now about 97% of average (91% of last year). NE Wyoming SWE is currently about 111% of average (103% of last year). The SE Wyoming SWE is currently about 100% of average (97% of last year). The SW Wyoming SWE is about 94% of average (92% of last year).

Precipitation

Last month's precipitation was above average across most of Wyoming. The Big Horn River Basin had the lowest precipitation for the month at 86% of average. The Yellowstone & Madison River Basins had the highest precipitation amount at 169% 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	**+26%**	**Upper North Platte River**	**+16%**
Yellowstone & Madison	**+69%**	**Lower North Platte**	**+08%**
Wind River	**+31%**	**Little Snake River**	**+09%**
Big Horn	**-14%**	**Upper Green River**	**-04%**
Shoshone & Clarks Fork	**+50%**	**Lower Green River**	**+07%**
Powder & Tongue River	**-12%**	**Upper Bear River**	**+10%**
Belle Fourche & Cheyenne	**+46%**		

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 96% (varying from 51-230% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 101 and 105% of average, respectively; 93-110% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 90 and 95% of average, respectively; varying from 61-103% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 103% of average; varying from 103-109% of average: Yields from the Powder & Tongue River Basins are expected to be about 107% of average; varying from 100-118% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 230% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 95 and 89% of average, respectively; varying from 51-102% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 118, 83, and 68% of average respectively; yield estimates vary from 68-136% of average:

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 102% of average for the entire state. Reservoirs on the North Platte River are well below average at 78% of average. Reservoirs in the northeast are above average in storage at 110%. Reservoirs in the Wind River Basin are about average at 101%. Reservoirs on the Big Horn are above average at 108%. The Buffalo Bill Reservoir on the Shoshone is above average at 111%. Reservoirs on the Green River are about average at 101%. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

BASIN AREA RESERVOIR	CURRENT AS %CAPACITY	LAST YR AS %CAPACITY	AVERAGE AS %CAPACITY	CURRENT AS %AVERAGE	CURRENT AS %LAST YR
ALCOVA	86	85	87	99	101
ANGOSTURA	61	41	90	67	148
BELLE FOURCHE	95	55	73	129	171
BIG SANDY	37	32	54	68	117
BIGHORN LAKE	68	60	60	113	113
BOYSEN	93	68	93	100	135
BUFFALO BILL	67	70	60	111	95
BULL LAKE	59	37	56	106	159
DEERFIELD	97	76	89	110	128
EDEN			NO REPORT		
ENNIS LAKE	70	69	76	93	102
FLAMING GORGE	80	81	78	102	98
FONTENELLE	32	29	41	77	111
GLENDO	64	65	84	76	99
GRASSY LAKE	87	90	81	107	96
GUERNSEY	44	37	45	98	119
HEBGEN LAKE	75	73	69	110	103
JACKSON LAKE	77	41	57	134	186
KEYHOLE	51	33	59	86	153
PACTOLA	98	50	85	116	197
PALISADES	79	46	67	118	173
PATHFINDER	40	21	73	54	190
PILOT BUTTE	80	78	69	115	102
SEMINOE	52	19	49	106	275
SHADEHILL	42	23	78	184	626
TONGUE RIVER	79	65	38	206	120
VIVA NAUGHTON RES			NO REPORT		
WHEATLAND #2	52	38	55	95	137
WOODRUFF NARROWS	91	57	57	160	161
TOTAL 27 RESERVOIRS	71	57	69	102	124

Raw KAF Totals Current=9340 Last Year=7506 Average=9119 Capacity=13246

BASIN SUMMARY OF
SNOW COURSE DATA
APRIL 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	3/30/09	38	12.3	12.8	13.7
ASTER CREEK	7750	4/01/09	85	28.6	30.9	30.5
BALD MOUNTAIN SNOTEL	9380	4/01/09	69	18.9	17.1	19.9
BASE CAMP SNOTEL	7030	4/01/09	---	15.7	20.6	18.1
BATTLE MTN. SNOTEL	7440	4/01/09	---	17.0	16.9	11.0
BEARLODGE DIVIDE	4680	4/01/09	16	3.4E	3.1	1.3
BEARTOOTH LK. SNOTEL	9280	4/01/09	82	23.3	26.0	23.6
BEAR TRAP SNOTEL	8200	4/01/09	32	9.3	9.5	5.2
BIG GOOSE	7760	3/26/09	26	5.2	5.1	7.1
BIG GOOSE SNOTEL	7760	4/01/09	45	10.1	9.3	10.7
BIG PARK	8620	3/27/09	60	17.6	17.7	19.4
BIG SANDY SNOTEL	9080	4/01/09	52	12.3	13.6	14.7
BLACKWATER SNOTEL	9780	4/01/09	81	25.0	26.5	24.8
BLIND BULL SNOTEL	8900	4/01/09	89	26.6	26.3	28.3
BLIND PARK SNOTEL	6870	4/01/09	25	7.3	8.1	8.7
BLUE RIDGE	9620	3/27/09	31	6.2	10.5	11.7
BONE SPGS. SNOTEL	9350	4/01/09	61	17.5	17.8	16.4
BROOKLYN LK. SNOTEL	10220	4/01/09	78	23.4	21.5	23.9
BURGESS JCT. SNOTEL	7880	4/01/09	53	12.5	12.5	11.7
BURROUGHS CRK SNOTEL	8750	4/01/09	59	15.7	16.5	14.8
CANYON SNOTEL	8090	4/01/09	53	13.6	18.3	13.9
CASPER MTN. SNOTEL	7850	4/01/09	42	12.2	13.2	14.6
CASTLE CREEK	8400	3/31/09	16	3.6	4.2	4.8
CCC CAMP	7000	3/26/09	51	14.7	12.6	12.7
CHALK CK #1 SNOTEL	9100	4/01/09	75	24.0	26.8	24.9
CHALK CK #2 SNOTEL	8200	4/01/09	55	18.0	19.1	16.2
CINNABAR PARK SNOTEL	9690	4/01/09	70	22.3	21.4	17.9
CLOUD PEAK SNOTEL	9850	4/01/09	62	17.3	15.8	13.5
COLE CANYON SNOTEL	5910	4/01/09	31	7.1	6.3	6.9
COLD SPRINGS SNOTEL	9630	4/01/09	34	7.7	7.0	9.0
COTTONWOOD CR SNOTEL	7700	4/01/09	---	26.9	25.9	24.2
CROW CREEK SNOTEL	8830	4/01/09	19	6.0	7.7	9.0
DEER PARK SNOTEL	9700	4/01/09	45	10.9	15.7	17.1
DITCH CREEK	6870	4/01/09	14	4.0	4.2	4.1
DIVIDE PEAK SNOTEL	8860	4/01/09	78	24.0	23.3	20.0
DOME LAKE SNOTEL	8880	4/01/09	55	13.1	11.9	12.6
DU NOIR	8760	3/31/09	29	6.1	7.7	8.3
EAST RIM DIV SNOTEL	7930	4/01/09	---	10.0	9.7	13.3
ELKHART PARK SNOTEL	9400	4/01/09	---	12.8	11.2	13.6
EVENING STAR SNOTEL	9200	4/01/09	96	30.1	31.1	30.1
FOUR MILE MEADOWS	7860	3/31/09	45	12.4	13.8	12.8
FOXPARK	9060	3/30/09	22	6.3	7.9	7.6
GEYSER CREEK	8500	3/31/09	21	4.8	6.7	7.1
GLADE CREEK	7040	4/02/09	69	22.9	26.6	24.3
GRAND TARGHEE SNOTEL	9260	4/01/09	127	42.8	49.7	--
GRANITE CRK SNOTEL	6770	4/01/09	---	16.6	19.2	18.6
GRANNIER MEADOWS	8860	3/27/09	36	8.0	11.1	14.1
GRASSY LAKE SNOTEL	7270	4/01/09	92	31.8	37.4	36.1
GRAVE SPRINGS SNOTEL	8550	4/01/09	36	9.6	10.2	9.4
GREYS BOUNDARY	5720	3/26/09	30	10.5	12.2	11.3
GROS VENTRE SNOTEL	8750	4/01/09	54	14.8	13.2	14.4

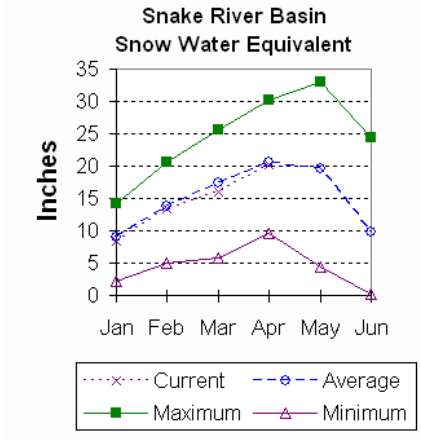
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GROVER PARK DIVIDE	7000	3/26/09	41	12.4	11.1	11.2
HAIRPIN TURN	9480	3/31/09	47	15.8	16.0	16.3
HANSEN S.M. SNOTEL	8360	4/01/09	26	6.7	7.4	6.5
HAMS FORK SNOTEL	7840	4/01/09	---	11.0	12.6	12.0
HASKINS CREEK	8980	3/30/09	93	32.2	32.6	30.0
HOBACK GS	6640	3/25/09	22	7.9	11.9	--
HOBBS PARK SNOTEL	10100	4/01/09	53	12.7	14.3	15.1
HUCKLEBERRY DIVIDE	7300	4/01/09	64	20.7	25.3	21.3
INDIAN CREEK SNOTEL	9430	4/01/09	---	24.6	26.4	28.2
KELLEY R.S. SNOTEL	8180	4/01/09	---	16.3	15.6	17.1
KENDALL R.S. SNOTEL	7740	4/01/09	39	11.7	12.8	14.6
KIRWIN SNOTEL	9550	4/01/09	52	12.8	12.5	11.5
LAKE CAMP	7780	3/31/09	46	13.8	13.9	10.4
LA PRELE SNOTEL	8380	4/01/09	37	9.2	8.4	11.0
LARSEN CREEK	9020	3/24/09	20	4.9	7.4	12.7
LEWIS LAKE SNOTEL	7850	4/01/09	97	30.4	36.0	35.8
LEWIS LAKE DIVIDE	7850	4/01/09	107	38.1	46.8	42.4
LIBBY LODGE	8750	3/31/09	31	11.0	11.9	10.9
LITTLE BEAR RUN	6240	4/01/09	10	2.7	4.0	2.4
LITTLE WARM SNOTEL	9370	4/01/09	54	12.1	10.4	12.0
LOOMIS PARK SNOTEL	8240	4/01/09	---	16.3	16.9	17.5
LUPINE CREEK	7380	3/31/09	23	6.0	8.1	9.3
MALLO	6420	4/01/09	29	7.1	8.0	6.5
MARQUETTE SNOTEL	8760	4/01/09	29	6.6	7.2	9.0
MEDICINE LODGE LAKES	9340	3/25/09	45	11.8	10.7	11.1
MIDDLE FORK	7420	3/27/09	25	4.6	7.1	6.0
MIDDLE POWDER SNOTEL	7760	4/01/09	49	11.6	12.0	11.8
MORAN	6750	4/02/09	41	12.8	15.2	12.4
MOSS LAKE	9800	3/31/09	68	19.4	19.6	23.6
NEW FORK SNOTEL	8340	4/01/09	40	11.7	9.8	11.3
NORRIS BASIN	7500	3/29/09	36	10.0	14.4	10.8
NORTH BARRETT CREEK	9400	3/31/09	77	22.6	21.6	21.5
NORTH FRENCH SNOTEL	10130	4/01/09	107	35.0	31.2	29.5
NORTH RAPID CK SNTL	6130	4/01/09	32	10.1	8.6	8.3
NORTH TONGUE	8450	3/25/09	44	12.5	13.0	13.0
OLD BATTLE SNOTEL	9920	4/01/09	112	33.6	33.8	32.4
OLD FAITHFUL	7400	3/29/09	49	14.1	17.4	13.9
ONION GULCH	8780	3/27/09	36	8.7	7.1	8.3
OWL CREEK SNOTEL	8980	4/01/09	22	5.6	5.9	5.6
PARKERS PEAK SNOTEL	9400	4/01/09	83	26.2	27.4	21.9
PHILLIPS BNCH SNOTEL	8200	4/01/09	89	27.7	34.4	29.2
POCKET CREEK	9350	3/24/09	34	8.7	9.0	13.2
POLE MOUNTAIN	8700	3/30/09	26	7.4	9.8	8.4
POWDER RVR.PASS SNTL	9480	4/01/09	45	12.6	12.7	10.9
RANGER CREEK	8120	3/25/09	32	8.5	10.4	8.9
RENO HILL SNOTEL	8500	4/01/09	55	14.3	13.9	14.3
REUTER CANYON	6280	4/01/09	---	14.2E	11.7	8.6
ROWDY CREEK	8300	3/25/09	55	17.8	21.8	21.6
RYAN PARK	8400	3/31/09	47	12.4	11.4	10.8
SAGE CK BASIN SNTL	7850	4/01/09	41	11.9	18.0	11.6
SALT RIVER SNOTEL	7600	4/01/09	---	14.9	14.0	14.6
SAND LAKE SNOTEL	10050	4/01/09	108	30.5	28.4	32.7
SANDSTONE RS SNOTEL	8150	4/01/09	65	18.8	18.3	14.8
SAWMILL DIVIDE	9260	3/26/09	51	14.1	14.0	13.0
SHELL CREEK SNOTEL	9580	4/01/09	66	16.9	16.0	14.9
SHERIDAN R.S.	7750	3/30/09	21	4.8	5.5	5.8
SNAKE RIVER STATION	6920	4/01/09	58	17.8	22.9	20.9

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SNAKE RV STA SNOTEL	6920	4/01/09	56	16.9	21.0	19.2
SNIDER BASIN SNOTEL	8060	4/01/09	53	14.4	14.1	14.7
SOLDIER PARK	8780	3/31/09	26	5.1	4.9	5.9
SOUR DOUGH	8460	3/27/09	29	7.2	6.3	7.1
SOUTH BRUSH SNOTEL	8440	4/01/09	44	13.2	14.5	13.2
SOUTH PASS SNOTEL	9040	4/01/09	53	12.0	14.9	16.7
SPRING CRK. SNOTEL	9000	4/01/09	94	27.2	23.4	26.9
ST LAWRENCE ALT SNTL	8620	4/01/09	25	5.7	7.0	7.4
SUCKER CREEK SNOTEL	8880	4/01/09	58	14.6	14.7	11.8
SYLVAN LAKE SNOTEL	8420	4/01/09	68	20.5	22.2	22.8
SYLVAN ROAD SNOTEL	7120	4/01/09	49	14.1	13.6	12.9
T CROSS RANCH	7900	3/30/09	24	6.1	6.7	7.2
TETON PASS W.S.	7740	4/01/09	77	24.2	29.3	27.6
THUMB DIVIDE SNOTEL	7980	4/01/09	66	19.3	19.5	19.2
THUMB DIVIDE	7980	4/01/09	61	18.0	18.2	19.1
TIE CREEK SNOTEL	6870	4/01/09	31	5.9	7.9	6.1
TIMBER CREEK SNOTEL	7950	4/01/09	18	4.8	4.5	5.8
TOGWOTEE PASS SNOTEL	9580	4/01/09	96	27.4	28.0	25.2
TOWNSEND CRK SNOTEL	8700	4/01/09	38	8.4	8.9	8.8
TRIPLE PEAK SNOTEL	8500	4/01/09	78	24.5	26.5	25.2
TURPIN MEADOWS	6900	3/31/09	36	9.8	11.9	10.2
TWO OCEAN SNOTEL	9240	4/01/09	109	38.1	38.0	28.4
TYRELL RANGER STA.	8300	3/27/09	30	8.5	7.8	7.6
UPPER SPEARFISH	6500	3/30/09	26	7.6	9.4	6.2
WEBBER SPRING SNOTEL	9250	4/01/09	77	25.2	26.6	26.4
WHISKEY PARK SNOTEL	8950	4/01/09	94	33.4	33.7	30.4
WILLOW CREEK SNOTEL	8450	4/01/09	---	34.2	34.1	30.6
WINDY PEAK SNOTEL	7900	4/01/09	27	8.7	8.7	8.1
WOLVERINE SNOTEL	7650	4/01/09	39	11.9	11.7	11.6
WOOD ROCK G.S.	8440	3/26/09	38	9.1	9.1	10.2
YOUNTS PEAK SNOTEL	8350	4/01/09	62	18.2	17.7	17.3

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is about average at 98%. SWE in the Snake River Basin above Jackson Lake is 97% of average. Pacific Creek Basin SWE is 113% of average. Gros Ventre River Basin SWE is 107% of average. SWE in the Hoback River drainage is 92% of average. SWE in the Greys River drainage is 103% of average. In the Salt River area SWE is 111% of average. SWE in the Snake River Basin above Palisades is 98% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

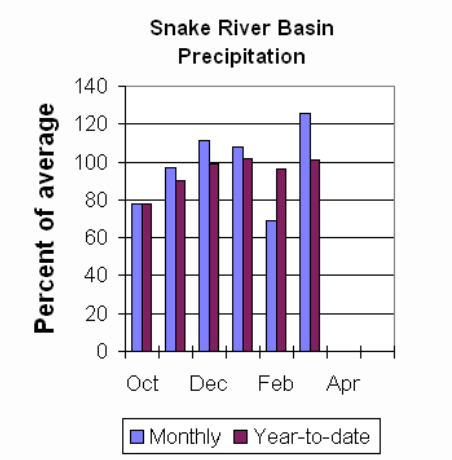


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 126% of average (88% of last year). Last month's percentages range from 77-188% of average for the 16 reporting stations. Water-year-to-date precipitation is 101% of average for the Snake River Basin (91% of last year). Year-to-date percentages range from 85-119% of average.

Reservoir

Current reservoir storage is 123% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 107% of average (13,200 ac-ft compared to 13,700 last year). Jackson Lake storage is 134% of average (649,900 ac-ft compared to 349,000 ac-ft last year). Palisades Reservoir storage is about 118% of average (1,108,700 ac-ft compared to 640,000 ac-ft last year). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for April through September are slightly above average for the basin. The Snake near Moran is 925,000 ac-ft (102% of average). Snake above reservoir near Alpine is 2,690,000 ac-ft (99% of average). The Snake near Irwin is 3,910,000 ac-ft (101% of average). The Snake near Heise is 4,200,000 ac-ft (101% of average). Pacific Creek at Moran is 195,000 ac-ft 110% of average). Greys River above Palisades Reservoir is 420,000 ac-ft (106% of average). Salt River near Etna is 430,000 ac-ft (102% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - April 1, 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 nr Moran (1,2)							
APR-JUL	720	816	860	106	904	1000	815
APR-SEP	760	873	925	102	977	1090	905
SNAKE abv Resv nr Alpine (1,2)							
APR-JUL	2027	2249	2350	99	2451	2673	2370
APR-SEP	2284	2563	2690	99	2817	3096	2730
SNAKE nr Irwin (1,2)							
APR-JUL	2908	3233	3380	102	3527	3852	3330
APR-SEP	3369	3741	3910	101	4079	4451	3870
SNAKE near Heise (2)							
APR-JUL	3199	3438	3600	101	3762	4001	3560
APR-SEP	3731	4010	4200	101	4390	4669	4160
Pacific Ck At Moran							
APR-JUL	144	168	185	108	202	226	171
APR-SEP	153	178	195	110	212	237	178
Greys R Nr Alpine							
APR-JUL	312	340	360	106	380	408	340
APR-SEP	361	396	420	106	444	479	395
Salt R Nr Etna							
APR-JUL	278	339	380	112	421	482	340
APR-SEP	300	377	430	102	483	560	420

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

SNAKE RIVER BASIN

Reservoir Storage (1000AF) End of March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	13.2	13.7	12.3
JACKSON LAKE	847.0	649.9	349.0	486.6
PALISADES	1400.0	1108.7	640.0	941.5

SNAKE RIVER BASIN

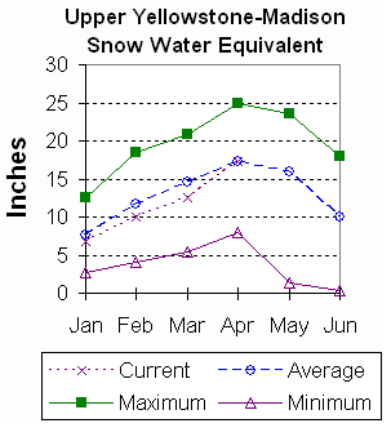
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	9	89	97
PACIFIC CREEK	3	90	113
GROS VENTRE RIVER	2	107	107
HOBACK RIVER	5	99	92
GREYS RIVER	5	103	103
SALT RIVER	5	106	111
SNAKE above Palisades	27	94	98

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been close to average so far this year. Snow water equivalent (SWE) is about 94% of average in the Madison drainage. SWE in the Yellowstone drainage is about 106% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

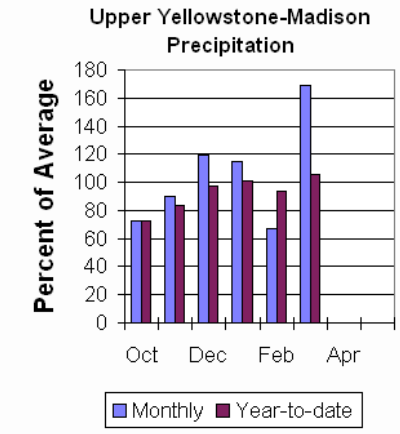


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 169% of average (105% of last year). The 5 reporting stations percentages range from 131-188% of average. Water-year-to-date precipitation is about 101% of average (91% of last year's amount). Year to date percentage ranges from 94-120%.

Reservoir

Ennis Lake is storing about 28,900 ac-ft of water (70% of capacity, 93% of average or 102% of last year's volume). Hebgen Lake is storing about 284,400 ac-ft of water (75% of capacity, 110% of average or 103% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for April through September are above average for the basin. Yellowstone at Lake Outlet is 835,000 ac-ft (104% of average). Yellowstone at Corwin Springs will yield around 2,090,000 ac-ft (106% of average). Yellowstone near Livingston will yield around 2,390,000 ac-ft (105% of average). Hebgen Reservoir inflow is 470,000 ac-ft (93% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - April 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)
YELLOWSTONE at Lake Outlet							
APR-JUL	520	575	615	104	655	710	590
APR-SEP	710	785	835	104	885	960	805
YELLOWSTONE RIVER at Corwin Springs							
APR-JUL	1470	1640	1750	106	1860	2030	1650
APR-SEP	1740	1950	2090	106	2230	2440	1970
YELLOWSTONE RIVER near Livingston							
APR-JUL	1640	1850	2000	105	2150	2360	1900
APR-SEP	1960	2220	2390	105	2560	2820	2280
HEBGEN Reservoir Inflow							
APR-JUL	315	345	365	92	385	415	395
APR-SEP	410	445	470	93	495	530	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	28.9	28.2	31.2
HEBGEN LAKE	377.5	284.4	276.0	259.6

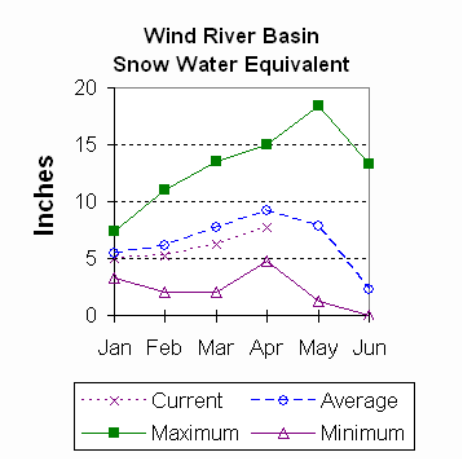
UPPER YELLOWSTONE & MADISON RIVER BASINS
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	78	94
YELLOWSTONE RIVER in WY	12	91	106

Wind River Basin

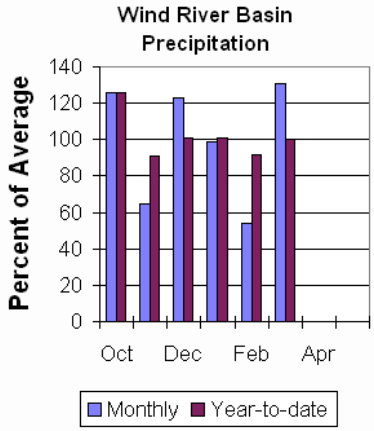
Snow

The Wind River Basin above Boysen Reservoir has below average snow water equivalent (SWE 84%) for this time of the year. SWE in the Wind River above Dubois is 95% of average. The Little Wind SWE is 82% of average, and the Popo Agie drainage SWE is about 70% 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 96-195% of average. Precipitation, for the basin, was about 131% of average from the 8 reporting stations; that is about 114% of last year's amount. Water year-to-date precipitation is 100% of average and about 92% of last year at this time. Year-to-date percentages range from 94-119% of average.



Reservoirs

Current storage varies from 100-115% of average. Usable storage in Bull Lake is currently about 90,100 ac-ft (106% of average) - the reservoir is about 159% of last year. Boysen Reservoir is storing about 100% of average (551,300 ac-ft) – the reservoir is about 135% of last year. Pilot Butte is at 115% of average (25,200 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 91,000 ac-ft (97% of average). The Wind River above Bull Lake Creek is 535,000 ac-ft (100% of average). Bull Lake Creek near Lenore is 158,000 ac-ft (87% of average). Wind River at Riverton will yield around 610,000 ac-ft (95% of average). Little Popo Agie River near Lander is around 33,000 ac-ft (62% of average). South Fork of Little Wind near Fort Washakie will yield around 70,000 ac-ft (83% of average). Little Wind River near Riverton will yield around 192,000 ac-ft (61% of average). Boysen Reservoir inflow will yield around 725,000 ac-ft (90% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - April 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	55	61	65	97	69	75	67
APR-SEP	78	86	91	97	96	104	94
WIND RIVER abv Bull Lake Cr (2)							
APR-JUL	345	400	440	101	480	535	435
APR-SEP	420	490	535	100	580	650	535
BULL LAKE CR near Lenore							
APR-JUL	94	115	130	88	145	166	148
APR-SEP	112	139	158	87	177	205	182
WIND RIVER at Riverton (2)							
APR-JUL	390	470	520	95	570	650	545
APR-SEP	450	545	610	95	675	770	640
LT POPO AGIE RIVER nr Lander							
APR-JUL	14.5	23	29	63	35	44	46
APR-SEP	17.4	27	33	62	39	49	53
SF LT WIND nr Fort Washakie							
APR-JUL	43	54	62	85	70	81	73
APR-SEP	47	61	70	83	79	93	84
LT WIND RIVER nr Riverton							
APR-JUL	62	121	174	62	225	305	280
APR-SEP	65	133	192	61	250	335	315
BOYSEN RESERVOIR Inflow (2)							
APR-JUL	315	515	650	91	785	985	717
APR-SEP	355	575	725	90	875	1100	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	90.1	56.8	85.3
BOYSEN	596.0	551.3	407.6	552.8
PILOT BUTTE	31.6	25.2	24.6	21.9

WIND RIVER BASIN

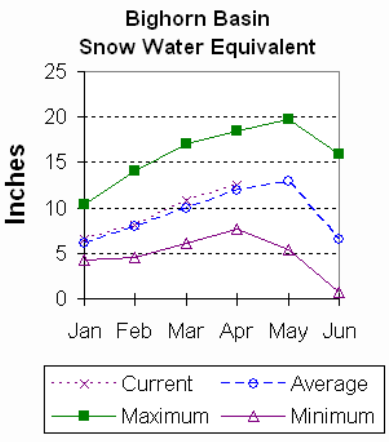
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubois	7	98	95
LITTLE WIND	2	86	82
POPO AGIE	7	76	70
WIND above Boysen Resv	14	90	84

Bighorn River Basin

Snow

The Bighorn River Basin above Bighorn Reservoir SWE is above average at 104%. The Nowood River is at 107% of average. The Greybull River SWE is at 102% of average. Shell Creek SWE is 103% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

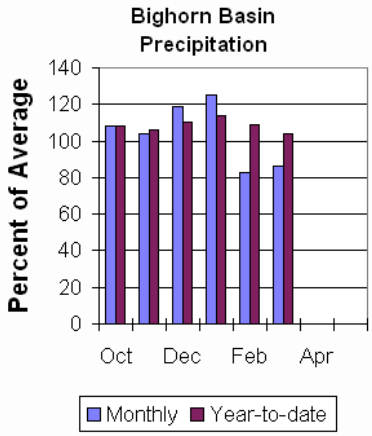


Precipitation

Last month's precipitation was 86% of average (75% of last year). Sites ranged from 46-157% of average for the month. Year-to-date precipitation is 104% of average; that is 94% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 81-119%.

Reservoir

Boysen Reservoir is currently storing 551,300 ac-ft (100% of average). Bighorn Lake is now at 113% of average (917,000 ac-ft). Boysen is currently storing 135% of last year volume at this time and Big Horn Lake is storing 113% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow is 725,000 ac-ft (90% of average); the Greybull River near Meeteetse should yield around 194,000 ac-ft (97% of average); Shell Creek near Shell should yield around 74,000 ac-ft (103% of average) and the Bighorn River at Kane should yield around 1,050,000 ac-ft (95% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - April 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	315	515	650	91	785	985	717
APR-SEP	355	575	725	90	875	1100	809
GREYBULL RIVER nr Meeteetse							
APR-JUL	99	125	143	97	161	187	148
APR-SEP	140	172	194	97	215	250	200
SHELL CREEK nr Shell							
APR-JUL	49	57	63	105	69	77	60
APR-SEP	58	67	74	103	81	90	72
BIGHORN RIVER at Kane (2)							
APR-JUL	445	755	965	97	1170	1480	1000
APR-SEP	480	820	1050	95	1280	1620	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	551.3	407.6	552.8
BIGHORN LAKE	1356.0	917.0	810.0	809.9

BIGHORN RIVER BASIN

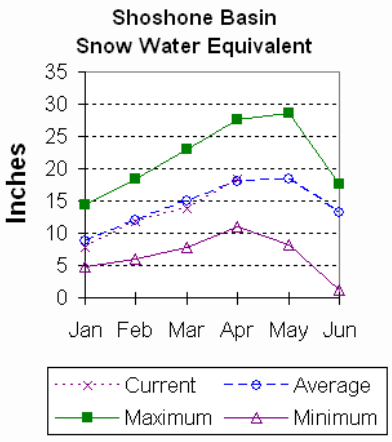
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	106	107
GREYBULL RIVER	2	104	102
SHELL CREEK	4	101	103
BIGHORN (Boysen-Bighorn)	11	103	104

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is about average for this time of year. Snow Water Equivalent (SWE) is 98% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 104% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

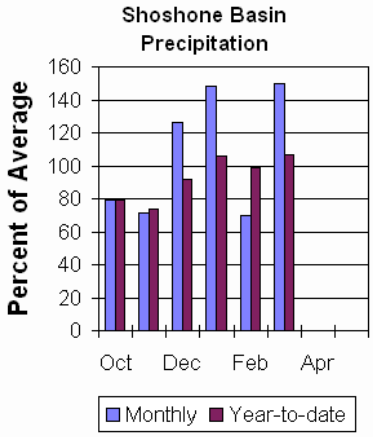


Precipitation

Precipitation for last month was 150% of average (96% of last year). Monthly percentages range from 93-191% of average. The basin year-to-date precipitation is now 107% of average (86% of last year). Year-to-date percentages range from 87-121% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 111% of average (95% of last year's storage) – the reservoir is at about 67% of capacity. Currently, about 432,900 ac-ft are stored in the reservoir compared to 455,200 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 above average for the basin. The North Fork Shoshone River at Wapiti is 560,000 ac-ft (108% 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 840,000 ac-ft (104% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 610,000 ac-ft (103% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - April 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	430	475	505	110	535	580	460
APR-SEP	470	525	560	108	595	650	520
SF SHOSHONE RIVER nr Valley							
APR-JUL	210	230	245	109	260	280	225
APR-SEP	235	260	280	106	300	325	265
SF SHOSHONE RIVER abv Buffalo Bill							
APR-JUL	172	210	235	109	260	300	215
APR-SEP	177	215	245	109	275	315	225
BUFFALO BILL DAM Inflow (2)							
APR-JUL	630	710	765	106	820	900	720
APR-SEP	680	775	840	104	905	1000	805
CLARKS FORK RIVER nr Belfry							
APR-JUL	475	525	560	104	595	645	540
APR-SEP	515	570	610	103	650	705	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	432.9	455.2	390.9

SHOSHONE & CLARKS FORK RIVER BASINS

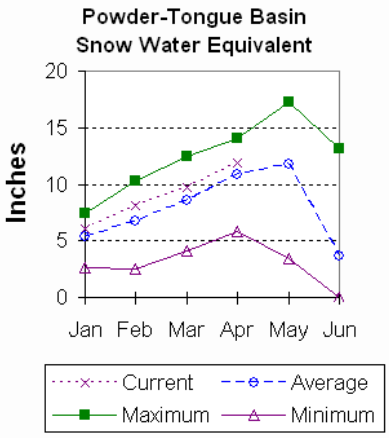
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	97	98
CLARKS FORK in WY	7	92	104

Powder and Tongue River Basins

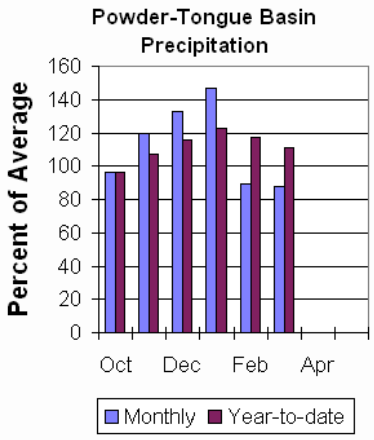
Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 105% of average. The Goose Creek drainage is 103% of average. SWE in the Clear Creek drainage is 110% of average. Crazy Woman Creek drainage is 108% of average. Upper Powder River drainage SWE is 117% of average. Powder River Basin SWE in Wyoming is 113% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 88% of average for the 9 reporting stations (74% of last year). Monthly percentages range from 46-117% of average. Year-to-date precipitation is 111% of average in the basin; this is 98% of last year at this time. Precipitation for the year ranges from 81-123% of average.



Reservoir

The Tongue River Reservoir is at 79% of capacity; 206% of average; and 120% of last year at 62,100 ac-ft.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be above average for the basin. The yield for Tongue River near Dayton is 113,000 ac-ft (104% of average). Big Goose Creek near Sheridan is 63,000 ac-ft (105% of average). Little Goose Creek near Bighorn is 45,000 ac-ft (107% 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 12,300 ac-ft (118% of average). Rock Creek near Buffalo will yield about 27,000 ac-ft (113% of average), and Piney Creek at Kearny should yield about 57,000 ac-ft (110% of average). The Powder River at Moorehead is 250,000 ac-ft (109% of average). The Powder River near Locate is 285,000 ac-ft (110% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - April 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	73	89	100	104	111	127	96
APR-SEP	83	101	113	104	125	143	109
BIG GOOSE CREEK nr Sheridan							
APR-JUL	39	49	55	106	61	71	52
APR-SEP	47	56	63	105	70	79	60
LITTLE GOOSE CREEK nr Big Horn							
APR-JUL	27	33	37	109	41	47	34
APR-SEP	34	41	45	107	49	56	42
TONGUE RIVER RESERVOIR Inflow (2)							
APR-JUL	136	195	235	107	275	335	220
APR-SEP	155	220	260	104	300	365	250
MIDDLE FORK POWDER nr Barnum							
APR-JUL	12.0	15.4	17.7	99	20	23	17.8
APR-SEP	12.8	16.2	18.6	100	21	24	18.7
NORTH FORK POWDER nr Hazelton							
APR-JUL	9.1	10.5	11.5	120	12.5	13.9	9.6
APR-SEP	9.7	11.2	12.3	118	13.4	14.9	10.4
ROCK CREEK nr Buffalo							
APR-JUL	14.8	19.1	22	111	25	29	19.9
APR-SEP	19.4	24	27	113	30	35	24
PINEY CREEK at Kearny							
APR-JUL	33	45	53	108	61	73	49
APR-SEP	36	49	57	110	65	78	52
POWDER RIVER at Moorehead							
APR-JUL	110	178	225	110	270	340	205
APR-SEP	131	200	250	109	300	370	230
POWDER RIVER nr Locate							
APR-JUL	117	199	255	109	310	395	235
APR-SEP	137	225	285	110	345	435	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	62.1	51.8	30.1

POWDER & TONGUE RIVER BASINS

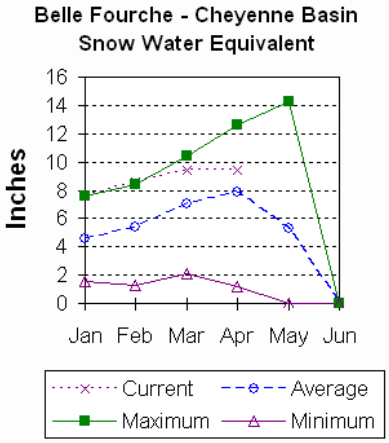
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	100	105
GOOSE CREEK	3	106	103
CLEAR CREEK	4	106	110
CRAZY WOMAN CREEK	3	109	108
UPPER POWDER RIVER	4	102	117
POWDER RIVER in WY	8	104	113

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 117% of average for this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

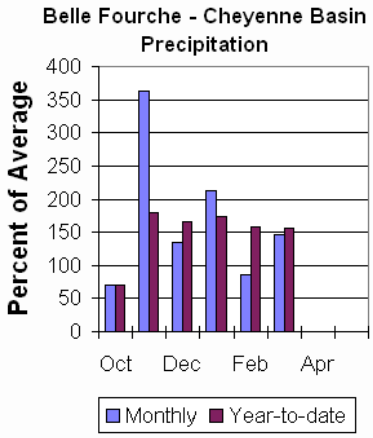


Precipitation

Precipitation for last month was 146% of average or 134% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 83-282%. Year-to-date precipitation is 156% of average and 146% of last year's amount. Yearly percentages range from 148-165% of average.

Reservoir

Current reservoir storage is around 110% of average in the basin. Angostura is currently storing 67% of average (74,100 ac-ft), about 61% of capacity. Belle Fourche reservoir is storing 129% of average (169,100 ac-ft), about 95% of capacity. Deerfield reservoir is storing 110% of average (14,800 ac-ft), about 97% of capacity. Keyhole reservoir is storing 86% of average (98,100 ac-ft), about 51% of capacity. Pactola reservoir is storing 116% of average (54,100 ac-ft), about 98% of capacity. Shadehill reservoir is storing 184% of average (115,900 ac-ft), about 142% of capacity? Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The following runoff values are the 50% exceedance forecasts for the April through September period. The Deerfield Reservoir Inflow is 16,300 ac-ft (249% of average). Pactola Reservoir Inflow is expected to yield around 66,000 ac-ft (232% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - April 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							
APR-JUL	9.1	10.9	12.1	237	13.3	15.1	5.1
APR-SEP	12.3	14.7	16.3	249	17.9	20	6.5
PACTOLA RESERVOIR Inflow							
APR-JUL	34	44	51	222	58	68	23
APR-SEP	45	58	66	232	74	87	29

* 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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	74.1	49.9	110.1
BELLE FOURCHE	178.4	169.1	98.9	130.9
DEERFIELD	15.2	14.8	11.6	13.5
KEYHOLE	193.8	98.1	64.1	113.5
PACTOLA	55.0	54.1	27.4	46.8
SHADEHILL	81.4	115.9	18.5	63.1

BELLE FOURCHE & CHEYENNE RIVER BASINS

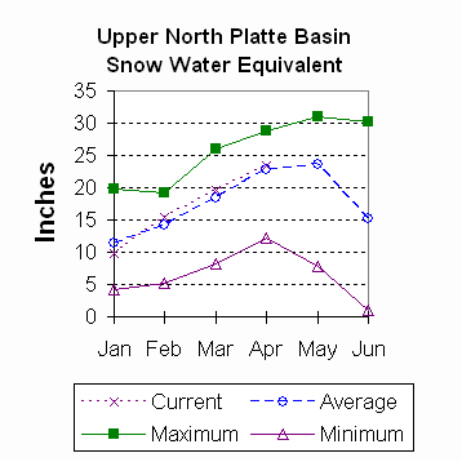
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	8	94	119

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 102% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 101% of average at this time. SWE in the Encampment River drainage is about 104% of average. Brush Creek SWE for the year is about 104% 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.

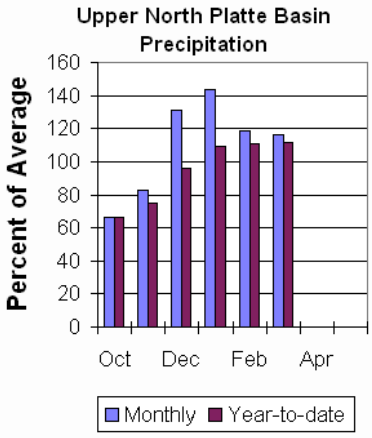


Precipitation

Eight reporting stations show last month's precipitation at 116% of average or 119% of last year's amount. Precipitation varied from 93-142% of average last month. Total water-year-to-date precipitation is about 112% of average for the basin, which is about 99% of last year's amount. Year to date percentage ranges from 96-128% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 528,100 ac-ft or 52% of capacity. Seminoe Reservoir is also storing about 106% 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 250,000 ac-ft (93% of average). The Encampment River near Encampment is 173,000 ac-ft (105% of average). Rock Creek near Arlington is 51,000 ac-ft (90% of average). Seminoe Reservoir inflow should be around 815,000 ac-ft (95% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - April 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	137	192	230	94	270	325	245
APR-SEP	144	205	250	93	295	355	270
ENCAMPMENT RIVER nr Encampment							
APR-JUL	129	150	164	105	178	199	156
APR-SEP	135	158	173	105	188	210	165
ROCK CREEK nr Arlington							
APR-JUL	35	43	48	91	53	61	53
APR-SEP	37	45	51	90	57	65	57
SWEETWATER RIVER nr Alcova							
APR-JUL	9.9	27	38	51	49	66	74
APR-SEP	10.5	29	41	51	53	72	80
SEMINOE RESERVOIR Inflow							
APR-JUL	400	615	760	95	905	1120	800
APR-SEP	415	655	815	95	975	1210	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	528.1	191.9	495.9

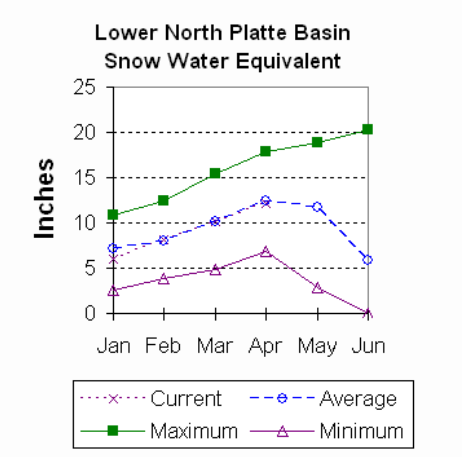
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	7	96	101
ENCAMPMENT RIVER	4	99	104
BRUSH CREEK	5	104	104
MEDICINE BOW & ROCK CREEKS	3	105	91
N PLATTE above Seminoe	19	100	102

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 97% of average. The Sweetwater drainage SWE is currently at 59% of average. Deer and LaPrele Creek SWE are at 93% of average. SWE for the North Platte above the Laramie River drainage is 97% of average. SWE for the Laramie River above Laramie is 97% of average. SWE for the Little Laramie River is 103% of average. The Laramie River above mouth, SWE is 97% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

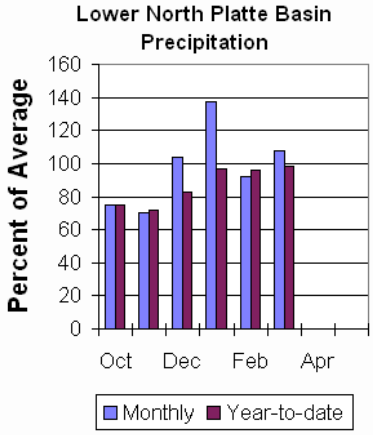


Precipitation

Last month's precipitation was 108% of average or 104% of last year's amount. Of the 8 reporting stations, percentages for the month range from 84-142%. The water year-to-date precipitation for the basin is currently 98% of average (93% of last year). Year-to-date percentages range from 74-158% of average.

Reservoir

The Lower North Platte River basin reservoir storage is below average at 78%. Reservoir storage is as follows: Alcova 158,400 ac-ft (99% of average); Glendo 323,500 ac-ft (76% of average); Guernsey 20,100 ac-ft (98% of average); Pathfinder 404,800 ac-ft (54% of average); Seminoe 528,100 ac-ft (106% of average); and Wheatland #2 51,700 ac-ft (95% 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 41,000 ac-ft (51% 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 17,100 ac-ft (71% of average). North Platte - Alcova to Orin Gain is forecast to yield 106,000 ac-ft (66% of average). North Platte River below Glendo Reservoir is 870,000 ac-ft (88% of average), and below Guernsey Reservoir is anticipated to yield around 900,000 ac-ft (89% of average). Laramie River near Woods Landing should yield around 113,000 ac-ft (84% of average). The Little Laramie near Filmore should produce about 65,000 ac-ft (102% of average). See the following table for more detailed information on projected runoff.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - April 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	9.9	27	38	51	49	66	74
APR-SEP	10.5	29	41	51	53	72	80
DEER CREEK at Glenrock							
APR-JUL	5.3	21	31	84	41	57	37
APR-SEP	5.4	21	31	84	41	57	37
LaPRELE CREEK abv Reservoir							
APR-JUL	4.2	11.8	17.0	71	22	30	24
APR-SEP	4.2	11.9	17.1	71	22	30	24
NORTH PLATTE - Alcova to Orin Gain							
APR-JUL	10.0	63	99	65	135	187	152
APR-SEP	18.0	70	106	66	142	194	161
NORTH PLATTE RIVER blw Glendo Res (2)							
APR-JUL	590	750	855	89	960	1120	960
APR-SEP	590	760	870	88	980	1150	990
NORTH PLATTE RIVER blw Guernsey Res (2)							
APR-JUL	545	740	875	90	1010	1200	970
APR-SEP	560	760	900	89	1040	1240	1010
LARAMIE RIVER nr Woods							
APR-JUL	63	86	102	83	118	141	123
APR-SEP	69	95	113	84	131	157	135
LITTLE LARAMIE RIVER nr Filmore							
APR-JUL	44	53	60	102	67	76	59
APR-SEP	46	57	65	102	73	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	158.4	157.5	160.1
GLENDO	506.4	323.5	326.7	427.8
GUERNSEY	45.6	20.1	16.9	20.6
PATHFINDER	1016.5	404.8	213.1	743.7
SEMINOE	1016.7	528.1	191.9	495.9
WHEATLAND #2	98.9	51.7	37.7	54.3

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

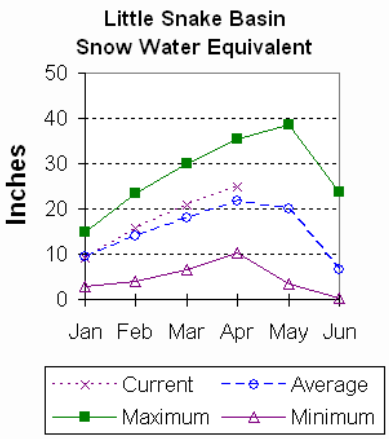
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	4	73	59
DEER & LaPRELE CREEKS	2	105	93
N PLATTE abv Laramie R.	25	98	97
LARAMIE RIVER abv Laramie	11	90	97
LITTLE LARAMIE RIVER	5	101	103
LARAMIE RIVER above mouth	14	93	97
NORTH PLATTE	32	97	97

Little Snake River Basin

Snow

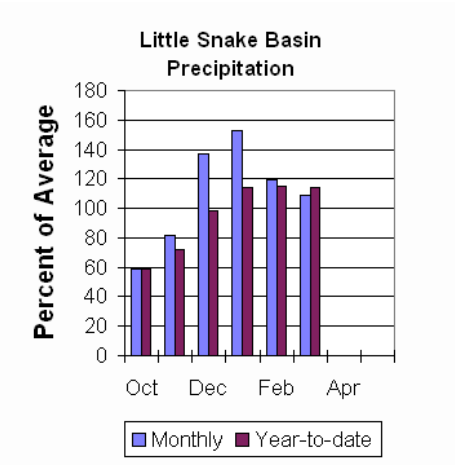
Currently, snow water equivalent (SWE) in the Little Snake River drainage is 115% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



High Savery Dam -Pending

Precipitation

Precipitation across the basin was above average this past month. Last Month's precipitation was 109% of average (117% of last year) for the 5 reporting stations. Last month's precipitation ranged from 93-132% of average. The Little Snake River basin water-year-to-date precipitation is currently 114% of average (99% of last year). Year-to-date percentages range from 109-121% of average.



Reservoir

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 - April 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	136	162	180	113	199	230	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.

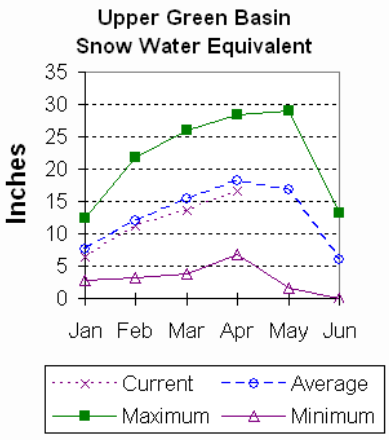
LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	8	97	115

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 88% of average. SWE for the west side of Upper Green River Basin is about 93% of average. Newfork River Basin SWE is now about 87% of average. Big Sandy-Eden Valley Basin is 63% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 91% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

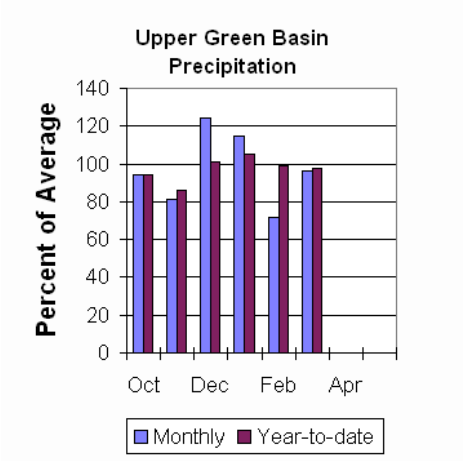


Precipitation

The 11 reporting precipitation sites in the basin were 96% of average last month (85% of last year). Last month's precipitation varied from 77-179% of average. Water year-to-date precipitation is about 98% of average (98% of last year). Year to date percentage of average ranges from 88-120% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 14,100 ac-ft or 34% of capacity. This is 68% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 110,600 ac-ft or 32% of capacity; 77% of average. This is 76% 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 - April 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	225	245	93	265	290	265
Pine Creek abv Fremont Lake							
APR-JUL	85	94	100	96	106	116	104
New Fork River nr Big Piney							
APR-JUL	235	290	330	84	370	440	395
Fontenelle Reservoir Inflow							
APR-JUL	485	615	715	83	820	990	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	14.1	12.1	20.7
EDEN		NO REPORT		
FONTENELLE	344.8	110.6	99.2	143.0

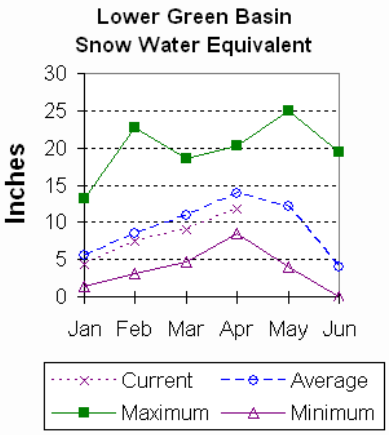
UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	104	88
UPPER GREEN (West Side)	7	98	93
NEWFORK RIVER	3	110	87
BIG SANDY/EDEN VALLEY	2	82	63
GREEN above Fontenelle	14	100	91

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 85% of average. SWE in the Hams Fork Basin is 91% of average. Blacks Fork Basin SWE is currently 74% of average. In the Henrys Fork drainage SWE is 60%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

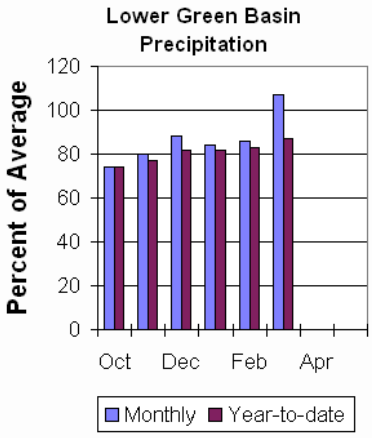


Precipitation

Precipitation was below average for the 3 reporting stations during last month at 107% of average or 91% of last year. Precipitation ranged from 95-119% of average for the month. The basin year-to-date precipitation is currently 87% of average (98% of last year). Year-to-date percentages range from 85-92% of average.

Reservoirs

Fontenelle Reservoir is currently storing 110,600 ac-ft; this is 77% of average (111% of last year). Flaming Gorge is currently storing 2,986,000 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 50,000 ac-ft (77% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 66,000 ac-ft (74% of average). The Flaming Gorge Reservoir inflow will be about 810,000 ac-ft (68% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - April 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	500	630	725	83	825	990	875
Blacks Fork nr Robertson							
APR-JUL	48	61	70	74	80	96	95
EF of Smiths Fork nr Robertson							
APR-JUL	12.7	17.4	21	72	25	31	29
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	34	43	50	77	57	69	65
Hams Fork Inf to Viva Naughton Res							
APR-JUL	47	60	66	74	81	98	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	465	660	810	68	975	1250	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 March

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	110.6	99.2	143.0
FLAMING GORGE	3749.0	3166.0	3022.0	2920.0
VIVA NAUGHTON RES		NO REPORT		

LOWER GREEN RIVER BASIN

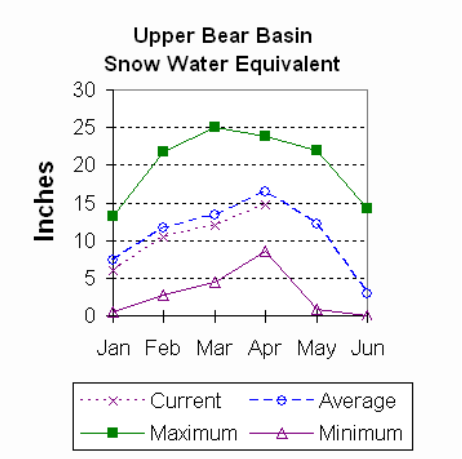
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	96	91
BLACKS FORK	5	57	62
HENRYS FORK	3	80	85
GREEN above Flaming Gorge	26	89	84

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 94% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 93% of average. Bear River Basin SWE, above the Idaho State line, is 90% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

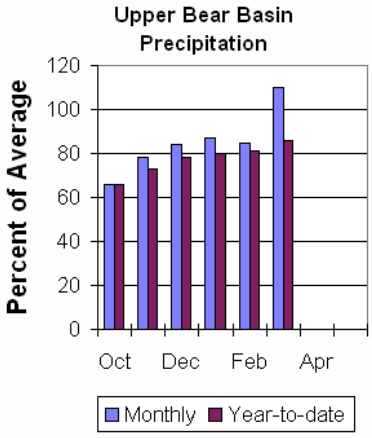
Precipitation for last month was 110% of average for the 2 reporting stations; this is 106% of the precipitation received last year. The year-to-date precipitation, for the basin, is 86% of average; this is 98% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 52,400 ac-ft (160% of average). Current reservoir storage is about 91% of capacity. Reservoir storage last year at this time was 32,500 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 120,000 ac-ft (96% of average). The Bear River above Reservoir near Woodruff is 125,000 ac-ft (88% of average). The Smiths Fork River near Border is 110,000 ac-ft (91% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN

Streamflow Forecasts - April 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	76	93	105	93	117	134	113
APR-SEP	88	107	120	96	133	152	125
Bear River ab Reservoir nr Woodruff							
APR-JUL	77	102	120	88	136	161	136
APR-SEP	82	108	125	88	142	168	142
Smiths Fork nr Border							
APR-JUL	75	86	94	91	102	113	103
APR-SEP	88	101	110	91	119	132	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 March

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

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - April 1, 2009

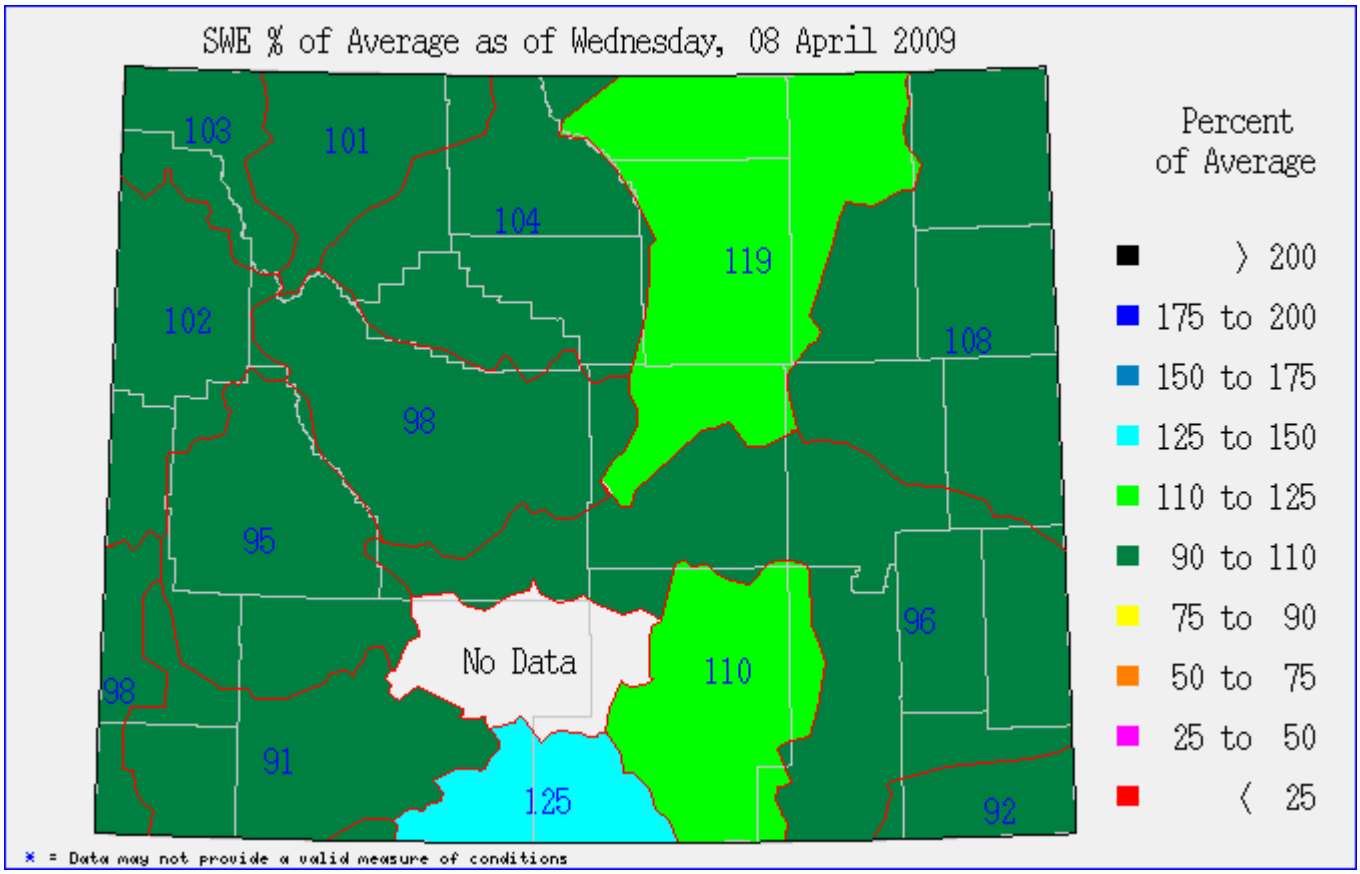
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	7	53	62
SMITHS & THOMAS FORKS	4	100	93
BEAR RIVER abv ID line	9	72	76
NORTHWEST	74	92	97
NORTHEST	23	103	111
SOUTHEAST	35	97	100
SOUTHWEST	35	88	91

Issued by

Dave White (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 Apr. 8th, 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

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