United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming
Basin Outlook Report
May 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 above average for May 1st at 103%. Precipitation in April for the basins varied from 76-145% of average. Year-to-date precipitation for the Wyoming basins varies from 90-135% of average. Forecasted runoff varies from 76-129% of average across the Wyoming basins for an overall average of 105%. Basin reservoir levels for Wyoming vary from 54-180% of average for an overall average of 102%.

Snowpack

Snow water equivalent (SWE), across Wyoming is slightly above average for this time of year at 103%. SWE in the NW portion of Wyoming is now about 106% of average (95% of last year). NE Wyoming SWE is currently about 104% of average (97% of last year). The SE Wyoming SWE is currently about 103% of average (95% of last year). The SW Wyoming SWE is about 99% of average (92% of last year).

Precipitation

Last month's precipitation was above average across most of Wyoming. The Belle Fourche & Cheyenne River Basins had the lowest precipitation for the month at 76% of average. The Wind River Basin had the highest precipitation amount at 145% 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	**+33%**	**Upper North Platte River**	**+33%**
Yellowstone & Madison	**+38%**	**Lower North Platte**	**+34%**
Wind River	**+45%**	**Little Snake River**	**+41%**
Big Horn	**-10%**	**Upper Green River**	**+32%**
Shoshone & Clarks Fork	**+12%**	**Lower Green River**	**+18%**
Powder & Tongue River	**-11%**	**Upper Bear River**	**+15%**
Belle Fourche & Cheyenne	**-24%**		

Streams

Stream flow yield is expected to be above average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be 105% (varying from 76-129% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 109 and 110% of average, respectively; 100-126% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 117 and 119% of average, respectively; varying from 102-119% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 109% of average; varying from 104-119% of average: Yields from the Powder & Tongue River Basins are expected to be about 104% of average; varying from 90-108% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 100% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 98 and 97% of average, respectively; varying from 76-106% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 129, 86, and 102% of average respectively; yield estimates vary from 73-103% 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 84% of average. Reservoirs in the northeast are above average in storage at 109%. Reservoirs in the Wind River Basin are about average at 107%. Reservoirs on the Big Horn are above average at 110%. The Buffalo Bill Reservoir on the Shoshone is above average at 124%. Reservoirs on the Green River are about average at 103%. 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	98	98	97	101	100
ANGOSTURA	70	42	93	75	167
BELLE FOURCHE	94	61	82	115	153
BIG SANDY	45	41	65	70	110
BIGHORN LAKE	65	57	58	112	114
BOYSEN	94	68	88	107	138
BUFFALO BILL	67	68	54	124	99
BULL LAKE	58	35	55	105	167
DEERFIELD	101	78	89	113	129
ENNIS LAKE	79	72	82	96	110
FLAMING GORGE	81	81	79	102	99
FONTENELLE	42	32	42	100	130
GLENDO	92	76	90	102	120
GRASSY LAKE	89	91	84	107	98
GUERNSEY	56	50	73	77	112
HEBGEN LAKE	73	73	67	108	99
JACKSON LAKE	79	43	56	143	186
KEYHOLE	55	33	60	93	166
PACTOLA	100	52	87	114	192
PALISADES	56	52	62	90	107
PATHFINDER	39	19	73	54	209
PILOT BUTTE	91	78	81	112	117
SEMINOE	52	22	50	105	243
SHADEHILL	144	23	80	180	617
TONGUE RIVER	67	52	40	168	130
VIVA NAUGHTON RES	102	72	67	151	142
WHEATLAND #2	60	43	60	99	140
WOODRUFF NARROWS	100	71	67	149	140
TOTAL 28 RESERVOIRS	70	58	69	102	121

Raw KAF Totals Current=9319 Last Year=7718 Average=9123 Capacity=132

BASIN SUMMARY OF
SNOW COURSE DATA
WYOMING Snow Course and SNOTEL Stations
MAY 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ALBANY	9400	4/29/09	36	13.5	12.3	12.3
BALD MOUNTAIN SNOTEL	9380	5/01/09	63	20.2	18.8	23.6
BASE CAMP SNOTEL	7030	5/01/09	---	10.1	17.0	12.3
BATTLE MTN. SNOTEL	7440	5/01/09	---	4.3	7.9	4.6
BEARLODGE DIVIDE	4680	4/28/09	1	.2	.0	.4
BEARTOOTH LK. SNOTEL	9280	5/01/09	85	26.5	28.0	25.9
BEAR TRAP SNOTEL	8200	5/01/09	21	5.8	7.4	2.5
BIG GOOSE	7760	4/28/09	25	7.5	6.1	7.7
BIG GOOSE SNOTEL	7760	5/01/09	33	10.8	10.1	11.6
BIG PARK	8620	4/29/09	54	19.8	19.9	19.6
BIG SANDY SNOTEL	9080	5/01/09	36	12.8	12.5	13.5
BLACKWATER SNOTEL	9780	5/01/09	84	29.9	29.3	28.8
BLIND BULL SNOTEL	8900	5/01/09	74	30.2	27.4	27.9
BLIND PARK SNOTEL	6870	5/01/09	0	.0	4.8	4.0
BLUE RIDGE	9620	4/30/09	34	10.2	11.5	12.5
BONE SPGS. SNOTEL	9350	5/01/09	52	17.7	19.1	18.3
BROOKLYN LK. SNOTEL	10220	5/01/09	68	25.4	22.9	28.2
BURGESS JCT. SNOTEL	7880	5/01/09	41	13.5	15.1	13.3
BURROUGHS CRK SNOTEL	8750	5/01/09	59	18.4	16.6	13.6
CANYON SNOTEL	8090	5/01/09	43	14.7	18.3	11.3
CASPER MTN. SNOTEL	7850	5/01/09	36	14.2	14.7	17.1
CASTLE CREEK	8400	4/30/09	6	1.6	2.7	2.4
CCC CAMP	7000	4/28/09	33	13.3	14.9	8.0
CHALK CK #1 SNOTEL	9100	5/01/09	61	27.0	28.7	25.3
CHALK CK #2 SNOTEL	8200	5/01/09	36	15.9	17.4	12.0
CINNABAR PARK SNOTEL	9690	5/01/09	56	21.6	20.4	16.0
CLOUD PEAK SNOTEL	9850	5/01/09	59	19.5	18.0	16.2
COLE CANYON SNOTEL	5910	5/01/09	16	5.0	5.0	5.0
COLD SPRINGS SNOTEL	9630	5/01/09	33	9.7	4.2	4.8
COTTONWOOD CR SNOTEL	7700	5/01/09	---	27.6	25.3	19.8
CROW CREEK SNOTEL	8830	5/01/09	2	1.7	.0	5.4
DARBY CANYON	8250	4/30/09	64	25.6	28.0	24.6
DEER PARK SNOTEL	9700	5/01/09	46	15.3	15.9	18.6
DITCH CREEK	6870	4/29/09	7	1.0	1.4	1.5
DIVIDE PEAK SNOTEL	8860	5/01/09	58	26.4	23.3	19.3
DOME LAKE SNOTEL	8880	5/01/09	42	12.7	12.4	13.5
DU NOIR	8760	4/30/09	27	6.1	7.4	6.3
EAST RIM DIV SNOTEL	7930	5/01/09	---	5.3	8.6	13.1
ELBO RANCH	7100	5/04/09	28	9.8	12.7	9.5
ELKHART PARK SNOTEL	9400	5/01/09	---	14.4	11.4	12.8
EVENING STAR SNOTEL	9200	5/01/09	86	32.1	33.6	33.3
FOXPARK	9060	4/29/09	18	7.1	7.7	5.3
GEYSER CREEK	8500	4/30/09	24	5.7	6.7	5.4
GLADE CREEK	7040	4/29/09	48	20.4	25.0	20.1
GRAND TARGHEE SNOTEL	9260	5/01/09	125	52.9	54.6	--
GRANITE CRK SNOTEL	6770	5/01/09	---	12.2	16.6	12.8
GRANNIER MEADOWS	8860	4/30/09	37	10.1	12.5	14.6
GRASSY LAKE SNOTEL	7270	5/01/09	75	32.2	39.4	33.4
GRAVE SPRINGS SNOTEL	8550	5/01/09	30	9.7	11.2	11.1
GREYS BOUNDARY	5720	4/28/09	1	.3	5.9	2.6
GROS VENTRE SNOTEL	8750	5/01/09	36	14.6	13.8	13.3
GROVER PARK DIVIDE	7000	4/28/09	17	7.8	9.6	6.4

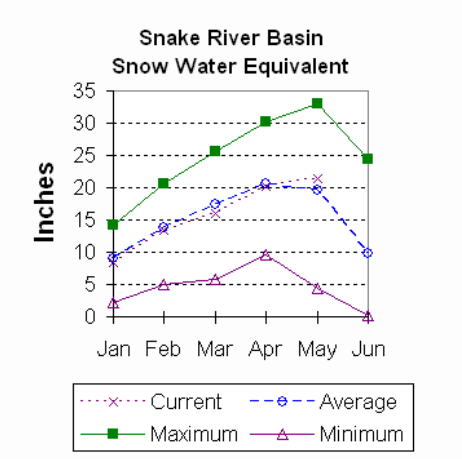
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
HAIRPIN TURN	9480	4/30/09	40	14.9	15.9	15.6
HANSEN S.M. SNOTEL	8360	5/01/09	17	3.9	4.9	4.9
HAMS FORK SNOTEL	7840	5/01/09	---	6.7	9.6	6.0
HASKINS CREEK	8980	4/29/09	91	38.4	36.4	31.6
HOBACK GS	6640	4/28/09	0	.0	8.3	--
HOBBS PARK SNOTEL	10100	5/01/09	59	18.6	15.2	18.0
INDIAN CREEK SNOTEL	9430	5/01/09	---	26.8	26.7	28.3
JACKPINE CREEK	7350	4/30/09	50	19.4	26.2	19.2
KELLEY R.S. SNOTEL	8180	5/01/09	---	14.9	15.2	14.1
KENDALL R.S. SNOTEL	7740	5/01/09	14	6.2	9.8	10.0
KIRWIN SNOTEL	9550	5/01/09	53	15.5	13.5	13.0
LAKE CAMP	7780	5/01/09	---	9.5E	--	7.5
LA PRELE SNOTEL	8380	5/01/09	27	8.9	6.5	7.1
LARSEN CREEK	9020	4/27/09	25	7.1	8.9	10.9
LEWIS LAKE SNOTEL	7850	5/01/09	81	35.3	39.8	34.6
LEWIS LAKE DIVIDE	7850	4/30/09	94	41.3	46.1	42.3
LIBBY LODGE	8750	4/30/09	17	6.6	7.3	8.3
LITTLE WARM SNOTEL	9370	5/01/09	45	13.5	10.0	11.1
LOOMIS PARK SNOTEL	8240	5/01/09	---	13.4	14.0	14.3
LUPINE CREEK	7380	5/03/09	10	3.3	1.5	5.3
MALLO	6420	4/29/09	0	.0	3.8	--
MARQUETTE SNOTEL	8760	5/01/09	28	8.9	8.8	11.3
MEDICINE LODGE LAKES	9340	4/27/09	39	11.7	12.7	11.9
MIDDLE FORK	7420	4/30/09	28	7.5	4.6	4.7
MIDDLE POWDER SNOTEL	7760	5/01/09	40	12.0	14.4	14.3
MOSS LAKE	9800	4/30/09	59	24.6	22.6	25.8
NEW FORK SNOTEL	8340	5/01/09	23	9.0	7.8	8.4
NORRIS BASIN	7500	4/27/09	22	7.5	--	6.8
NORTH BARRETT CREEK	9400	4/30/09	62	26.0	24.6	22.7
NORTH FRENCH SNOTEL	10130	5/01/09	92	38.4	33.7	34.5
NORTH RAPID CK SNTL	6130	5/01/09	6	3.0	8.1	3.8
NORTH TONGUE	8450	4/27/09	41	12.1	13.7	13.3
OLD BATTLE SNOTEL	9920	5/01/09	102	39.7	37.8	36.9
OLD FAITHFUL	7400	4/30/09	39	13.5	--	9.3
ONION GULCH	8780	4/28/09	36	10.1	8.6	8.4
OWL CREEK SNOTEL	8980	5/01/09	16	4.9	1.3	4.0
PARKERS PEAK SNOTEL	9400	5/01/09	86	32.0	31.1	24.5
PHILLIPS BNCH SNOTEL	8200	5/01/09	71	30.6	35.5	29.4
POCKET CREEK	9350	4/27/09	37	11.2	7.0	13.8
POLE MOUNTAIN	8700	4/28/09	24	7.3	6.3	5.0
POWDER RVR.PASS SNTL	9480	5/01/09	43	12.6	13.0	10.7
PURGATORY GULCH	8970	4/29/09	35	13.8	16.6	11.2
RANGER CREEK	8120	4/27/09	24	6.4	11.0	7.6
RENO HILL SNOTEL	8500	5/01/09	44	15.5	15.2	14.7
REUTER CANYON	6280	4/28/09	25	8.9	6.7	3.6
ROWDY CREEK	8300	4/28/09	55	22.0	22.8	21.1
RYAN PARK	8400	4/30/09	22	8.0	9.2	7.2
SAGE CK BASIN SNTL	7850	5/01/09	35	11.0	14.0	11.2
SALT RIVER SNOTEL	7600	5/01/09	---	13.7	12.7	10.6
SAND LAKE SNOTEL	10050	5/01/09	92	35.8	32.7	37.0
SANDSTONE RS SNOTEL	8150	5/01/09	35	13.8	15.5	9.5
SAWMILL DIVIDE	9260	4/28/09	52	16.4	16.4	15.1
SHELL CREEK SNOTEL	9580	5/01/09	58	18.1	18.5	16.8
SHERIDAN R.S.	7750	4/30/09	15	3.1	4.5	3.3
SNAKE RV STA SNOTEL	6920	5/01/09	34	13.1	18.5	12.2
SNIDER BASIN SNOTEL	8060	5/01/09	35	13.3	12.5	12.6
SOLDIER PARK	8780	5/01/09	---	5.0E	5.5	6.3

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SOUR DOUGH	8460	5/01/09	---	6.3E	6.7	7.4
SOUTH BRUSH SNOTEL	8440	5/01/09	21	9.5	10.4	11.1
SOUTH PASS SNOTEL	9040	5/01/09	49	15.6	14.3	18.0
SPRING CRK. SNOTEL	9000	5/01/09	79	32.2	24.1	28.6
ST LAWRENCE ALT SNTL	8620	5/01/09	23	8.0	5.2	6.1
SUCKER CREEK SNOTEL	8880	5/01/09	46	15.8	16.2	13.1
SYLVAN LAKE SNOTEL	8420	5/01/09	57	21.9	22.2	23.8
SYLVAN ROAD SNOTEL	7120	5/01/09	20	7.3	10.5	8.1
T CROSS RANCH	7900	5/01/09	---	3.7E	4.4	3.3
TETON PASS W.S.	7740	4/30/09	63	26.4	29.4	27.5
THUMB DIVIDE SNOTEL	7980	5/01/09	51	20.4	17.7	14.9
TIE CREEK SNOTEL	6870	5/01/09	11	4.0	6.6	3.9
TIMBER CREEK SNOTEL	7950	5/01/09	22	5.3	4.7	4.8
TOGWOTEE PASS SNOTEL	9580	5/01/09	89	31.3	30.2	27.9
TOWNSEND CRK SNOTEL	8700	5/01/09	40	11.5	8.1	9.1
TRIPLE PEAK SNOTEL	8500	5/01/09	57	23.7	24.4	23.7
TWO OCEAN SNOTEL	9240	5/01/09	98	44.2	41.2	31.8
TYRELL RANGER STA.	8300	4/28/09	27	7.2	7.5	6.1
UPPER SPEARFISH	6500	4/29/09	6	2.1	7.8	--
WEBBER SPRING SNOTEL	9250	5/01/09	60	24.9	27.6	25.1
WHISKEY PARK SNOTEL	8950	5/01/09	65	31.7	38.3	30.5
WILLOW CREEK SNOTEL	8450	5/01/09	---	35.2	33.1	30.6
WINDY PEAK SNOTEL	7900	5/01/09	23	9.2	6.8	4.9
WOLVERINE SNOTEL	7650	5/01/09	27	9.6	9.2	7.2
WOOD ROCK G.S.	8440	4/28/09	36	10.8	11.2	11.5
YOUNTS PEAK SNOTEL	8350	5/01/09	58	20.2	18.7	18.1

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is above average at 109%. SWE in the Snake River Basin above Jackson Lake is 113% of average. Pacific Creek Basin SWE is 123% of average. Gros Ventre River Basin SWE is 110% of average. SWE in the Hoback River drainage is 93% of average. SWE in the Greys River drainage is 115% of average. In the Salt River area SWE is 129% of average. SWE in the Snake River Basin above Palisades is 109% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

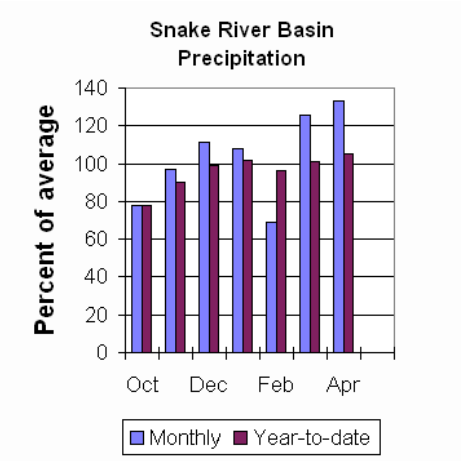


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 133% of average (203% of last year). Last month's percentages range from 108-169% of average for the 16 reporting stations. Water-year-to-date precipitation is 105% of average for the Snake River Basin (100% of last year). Year-to-date percentages range from 90-122% of average.

Reservoir

Current reservoir storage is 109% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 107% of average (13,600 ac-ft compared to 13,900 last year). Jackson Lake storage is 143% of average (671,900 ac-ft compared to 361,100 ac-ft last year). Palisades Reservoir storage is about 90% of average (777,300 ac-ft compared to 725,900 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 May through September are above average for the basin. The Snake near Moran is 930,000 ac-ft (111% of average). Snake above reservoir near Alpine is 2,620,000 ac-ft (104% of average). The Snake near Irwin is 3,830,000 ac-ft (109% of average). The Snake near Heise is 4,080,000 ac-ft (109% of average). Pacific Creek at Moran is 210,000 ac-ft 126% of average). Greys River above Palisades Reservoir is 412,000 ac-ft (116% of average). Salt River near Etna is 405,000 ac-ft (113% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - May 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)							
MAY-JUL	692	790	835	111	880	978	750
MAY-SEP	767	879	930	111	981	1093	840
SNAKE abv Resv nr Alpine (1,2)							
MAY-JUL	1955	2196	2305	107	2414	2655	2160
MAY-SEP	2192	2486	2620	104	2754	3048	2530
SNAKE nr Irwin (1,2)							
MAY-JUL	2860	3135	3260	109	3385	3660	2980
MAY-SEP	3367	3685	3830	109	3975	4293	3520
SNAKE near Heise (2)							
MAY-JUL	3125	3324	3460	109	3596	3795	3170
MAY-SEP	3691	3923	4080	109	4237	4469	3760
Pacific Ck At Moran							
MAY-JUL	157	183	200	125	217	243	160
MAY-SEP	166	192	210	126	228	254	167
Greys R Nr Alpine							
MAY-JUL	305	332	350	117	368	395	300
MAY-SEP	358	390	412	116	434	466	355
Salt R Nr Etna							
MAY-JUL	241	288	320	114	352	399	280
MAY-SEP	309	366	405	113	444	501	360

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	13.6	13.9	12.7
JACKSON LAKE	847.0	671.9	361.1	471.1
PALISADES	1400.0	777.3	725.9	862.6

SNAKE RIVER BASIN

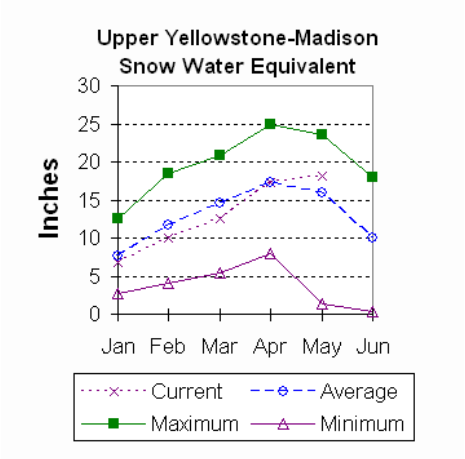
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	6	91	113
PACIFIC CREEK	2	93	123
GROS VENTRE RIVER	3	104	110
HOBACK RIVER	5	94	93
GREYS RIVER	5	108	115
SALT RIVER	5	102	129
SNAKE above Palisades	23	94	109

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been above average so far this year. Snow water equivalent (SWE) is about 112% of average in the Madison drainage. SWE in the Yellowstone drainage is about 116% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

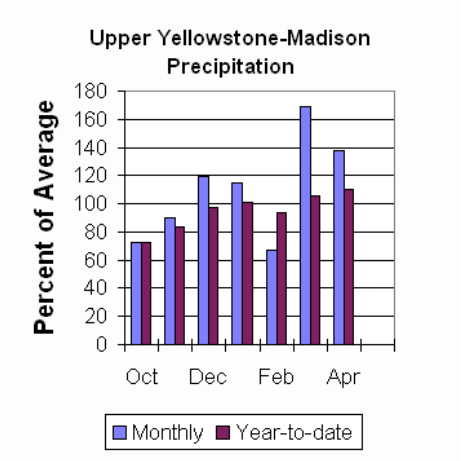


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 138% of average (180% of last year). The 5 reporting stations percentages range from 103-181% of average. Water-year-to-date precipitation is about 110% of average (92% of last year's amount). Year to date percentage ranges from 105-115%.

Reservoir

Ennis Lake is storing about 32,500 ac-ft of water (79% of capacity, 96% of average or 110% of last year's volume). Hebgen Lake is storing about 275,200 ac-ft of water (73% of capacity, 108% of average or 99% 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 May through September are above average for the basins. Yellowstone at Lake Outlet is 875,000 ac-ft (114% of average). Yellowstone at Corwin Springs will yield around 2,070,000 ac-ft (111% of average). Yellowstone near Livingston will yield around 2,360,000 ac-ft (110% of average). Hebgen Reservoir inflow is 445,000 ac-ft (100% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - May 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)
YELLOWSTONE at Lake Outlet							
MAY-JUL	560	620	660	119	700	760	555
MAY-SEP	750	825	875	114	925	1000	770
YELLOWSTONE RIVER at Corwin Springs							
MAY-JUL	1490	1650	1750	113	1850	2010	1550
MAY-SEP	1760	1940	2070	111	2200	2380	1870
YELLOWSTONE RIVER near Livingston							
MAY-JUL	1670	1860	1990	112	2120	2310	1770
MAY-SEP	1980	2210	2360	110	2510	2740	2150
HEBGEN Reservoir Inflow							
MAY-JUL	290	320	340	102	360	390	335
MAY-SEP	385	420	445	100	470	505	445

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	32.5	29.6	33.8
HEBGEN LAKE	377.5	275.2	276.7	254.6

UPPER YELLOWSTONE & MADISON RIVER BASINS

Watershed Snowpack Analysis - May 1, 2009

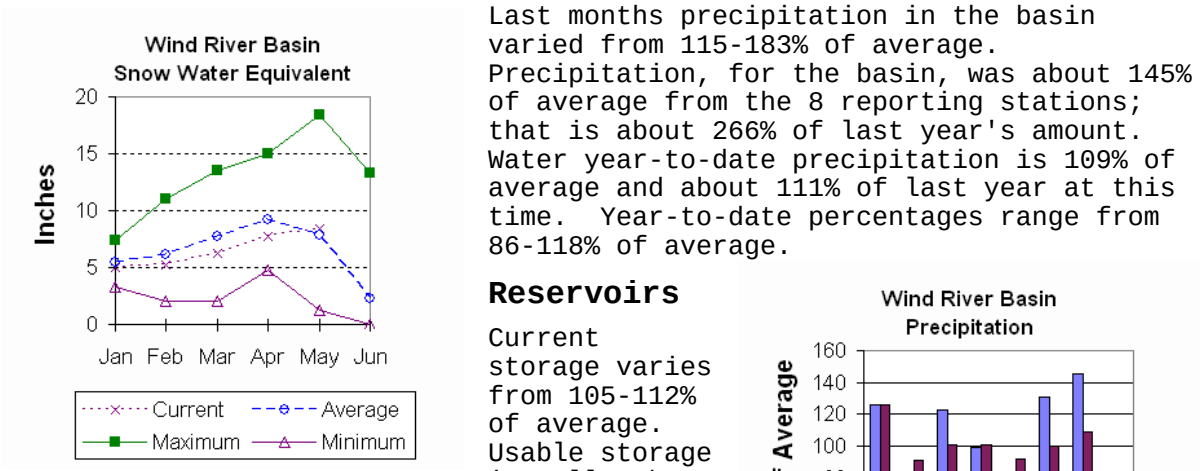
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	79	111
YELLOWSTONE RIVER in WY	11	99	118

Wind River Basin

Snow

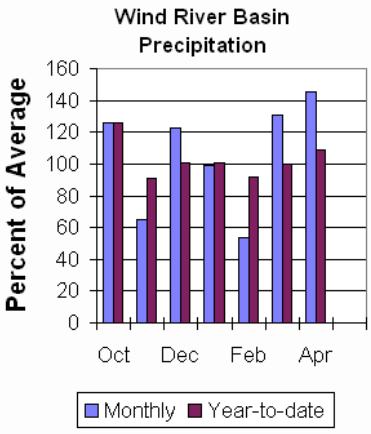
The Wind River Basin above Boysen Reservoir has above average snow water equivalent (SWE 108%) for this time of the year. SWE in the Wind River above Dubois is 115% of average. The Little Wind SWE is 110% of average, and the Popo Agie drainage SWE is about 93% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

Precipitation



Last months precipitation in the basin varied from 115-183% of average. Precipitation, for the basin, was about 145% of average from the 8 reporting stations; that is about 266% of last year's amount. Water year-to-date precipitation is 109% of average and about 111% of last year at this time. Year-to-date percentages range from 86-118% of average.

Reservoirs



Current storage varies from 105-112% of average. Usable storage in Bull Lake is currently about 88,000 ac-ft (105% of average) - the reservoir is about 167% of last year. Boysen Reservoir is storing about 107% of average (561,500 ac-ft) – the reservoir is about 138% of last year. Pilot Butte is at 112% of average (28,700 ac-ft) – the reservoir is about 117% 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 May through September runoff period for the basin are above average now. Dinwoody Creek near Burris is 100,000 ac-ft (108% of average). The Wind River above Bull Lake Creek is 590,000 ac-ft (116% of average). Bull Lake Creek near Lenore is 190,000 ac-ft (107% of average). Wind River at Riverton will yield around 690,000 ac-ft (113% of average). Little Popo Agie River near Lander is around 50,000 ac-ft (102% of average). South Fork of Little Wind near Fort Washakie will yield around 93,000 ac-ft (115% of average). Little Wind River near Riverton will yield around 320,000 ac-ft (110% of average). Boysen Reservoir inflow will yield around 885,000 ac-ft (117% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - May 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							
MAY-JUL	62	68	72	111	76	82	65
MAY-SEP	87	95	100	108	105	113	93
WIND RIVER abv Bull Lake Cr (2)							
MAY-JUL	390	445	485	118	525	580	410
MAY-SEP	480	545	590	116	635	700	510
BULL LAKE CR near Lenore							
MAY-JUL	126	143	155	108	167	184	144
MAY-SEP	153	175	190	107	205	225	178
WIND RIVER at Riverton (2)							
MAY-JUL	475	540	585	115	630	695	510
MAY-SEP	555	635	690	113	745	825	610
LT POPO AGIE RIVER nr Lander							
MAY-JUL	33	38	42	98	46	51	43
MAY-SEP	40	46	50	102	54	60	49
SF LT WIND nr Fort Washakie							
MAY-JUL	65	75	82	117	89	99	70
MAY-SEP	73	85	93	115	101	113	81
LT WIND RIVER nr Riverton							
MAY-JUL	158	230	275	108	320	390	255
MAY-SEP	195	270	320	110	370	445	290
BOYSEN RESERVOIR Inflow (2)							
MAY-JUL	545	690	790	119	890	1040	665
MAY-SEP	600	770	885	117	1000	1170	758

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	88.0	52.8	83.9
BOYSEN	596.0	561.5	405.7	526.1
PILOT BUTTE	31.6	28.7	24.5	25.7

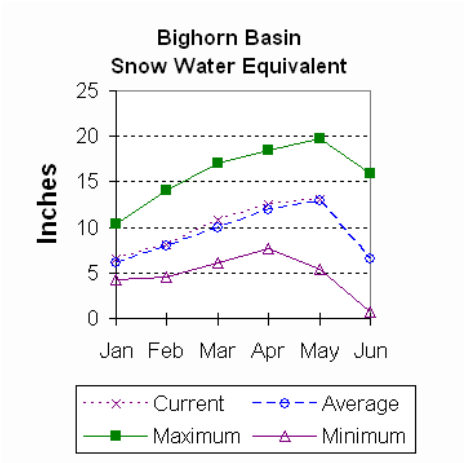
WIND RIVER BASIN
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	7	107	115
LITTLE WIND	2	130	110
POPO AGIE	7	108	93
WIND above Boysen Resv	14	112	108

Bighorn River Basin

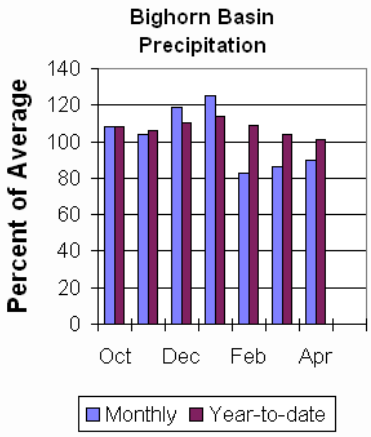
Snow

The Bighorn River Basin SWE above Bighorn Reservoir is slightly above average at 101%. The Nowood River is at 104% of average. The Greybull River SWE is at 117% of average. Shell Creek SWE is 94% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation was 90% of average (129% of last year). Sites ranged from 65-174% of average for the month. Year-to-date precipitation is 101% of average; that is 99% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 78-128%.



Reservoir

Boysen Reservoir is currently storing 561,500 ac-ft (107% of average). Bighorn Lake is now at 112% of average (885,300 ac-ft). Boysen is currently storing 138% of last year volume at this time and Big Horn Lake is storing 114% 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 May through September runoffs are anticipated to be above average. Boysen Reservoir inflow is 885,000 ac-ft (117% of average); the Greybull River near Meeteetse should yield around 210,000 ac-ft (108% of average); Shell Creek near Shell should yield around 70,000 ac-ft (101% of average) and the Bighorn River at Kane should yield around 1,210,000 ac-ft (119% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - May 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)							
MAY-JUL	545	690	790	119	890	1040	665
MAY-SEP	600	770	885	117	1000	1170	758
GREYBULL RIVER nr Meeteetse							
MAY-JUL	127	140	149	106	158	171	141
MAY-SEP	163	191	210	108	230	255	194
SHELL CREEK nr Shell							
MAY-JUL	44	52	58	102	64	72	57
MAY-SEP	55	64	70	101	76	85	69
BIGHORN RIVER at Kane (2)							
MAY-JUL	775	960	1090	119	1220	1410	915
MAY-SEP	860	1070	1210	119	1350	1560	1020

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	561.5	405.7	526.1
BIGHORN LAKE	1356.0	885.3	779.6	791.9

BIGHORN RIVER BASIN

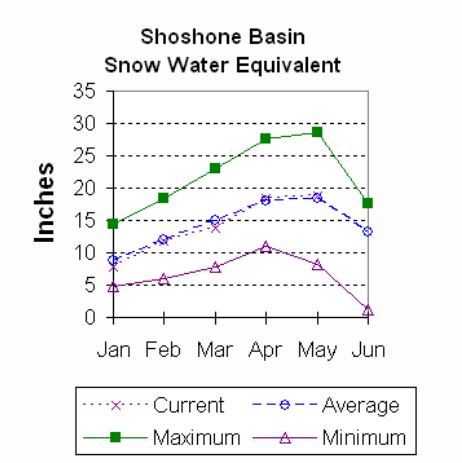
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	95	104
GREYBULL RIVER	2	114	117
SHELL CREEK	4	93	94
BIGHORN (Boysen-Bighorn)	11	96	101

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is about average for this time of year. Snow Water Equivalent (SWE) is 97% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 107% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

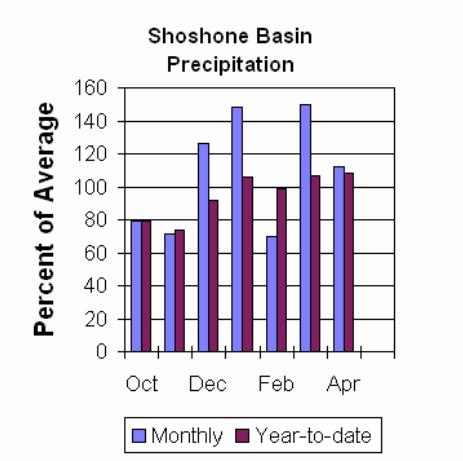


Precipitation

Precipitation for last month was 112% of average (181% of last year). Monthly percentages range from 100-130% of average. The basin year-to-date precipitation is now 108% of average (94% of last year). Year-to-date percentages range from 91-120% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 124% of average (99% of last year's storage) – the reservoir is at about 67% of capacity. Currently, about 436,100 ac-ft are stored in the reservoir compared to 438,300 ac-ft last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the May through September period are expected to be slightly above average for the basin. The North Fork Shoshone River at Wapiti is 555,000 ac-ft (114% of average). The South Fork of the Shoshone River near Valley is 285,000 ac-ft (112% of average), and the South Fork above Buffalo Bill Reservoir runoff is 255,000 ac-ft (119% of average). The Buffalo Bill Reservoir inflow is expected to yield around 845,000 ac-ft (112% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 590,000 ac-ft (104% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - May 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							
MAY-JUL	430	470	500	118	530	570	425
MAY-SEP	475	520	555	114	590	635	485
SF SHOSHONE RIVER nr Valley							
MAY-JUL	215	230	245	114	260	275	215
MAY-SEP	250	270	285	112	300	320	255
SF SHOSHONE RIVER abv Buffalo Bill							
MAY-JUL	190	220	240	120	260	290	200
MAY-SEP	200	235	255	119	275	310	215
BUFFALO BILL DAM Inflow (2)							
MAY-JUL	645	710	755	112	800	865	675
MAY-SEP	720	795	845	112	895	970	755
CLARKS FORK RIVER nr Belfry							
MAY-JUL	470	510	540	105	570	610	515
MAY-SEP	505	555	590	104	625	675	570

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	436.1	438.3	352.2

SHOSHONE & CLARKS FORK RIVER BASINS

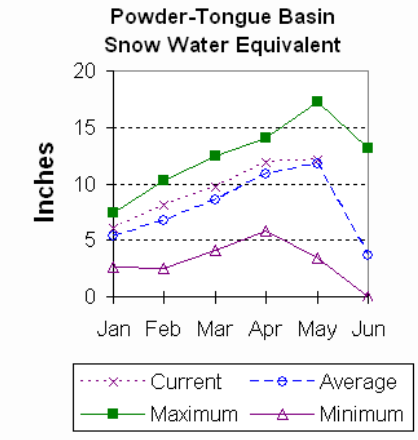
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	98	97
CLARKS FORK in WY	7	93	107

Powder and Tongue River Basins

Snow

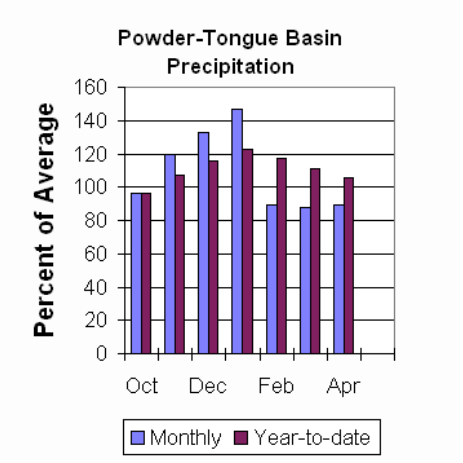
Snow water equivalent (SWE) in the Upper Tongue River drainage is 101% of average. The Goose Creek drainage is 99% of average. SWE in the Clear Creek drainage is 100% of average. Crazy Woman Creek drainage is 109% of average. Upper Powder River drainage SWE is 113% of average. Powder River Basin SWE in Wyoming is 106% 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 (113% of last year). Monthly percentages range from 67-110% of average. Year-to-date precipitation is 106% of average in the basin; this is 100% of last year at this time.

Precipitation for the year ranges from 78-120% of average.



Reservoir

The Tongue River Reservoir is at 67% of capacity; 168% of average; and 130% of last year at 53,300 ac-ft.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be slightly above average for the basins. The yield for Tongue River near Dayton is 106,000 ac-ft (103% of average). Big Goose Creek near Sheridan is 59,000 ac-ft (102% of average). Little Goose Creek near Bighorn is 43,000 ac-ft (108% of average). The Tongue River Reservoir Inflow is 240,000 ac-ft (107% of average). The Middle Fork of the Powder River near Barnum is 14,900 ac-ft (90% of average). The North Fork of the Powder River near Hazelton should yield around 10,400 ac-ft (106% of average). Rock Creek near Buffalo will yield about 24,000 ac-ft (104% of average), and Piney Creek at Kearny should yield about 50,000 ac-ft (104% of average). The Powder River at Moorehead is 198,000 ac-ft (99% of average). The Powder River near Locate is 220,000 ac-ft (100% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - May 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)							
MAY-JUL	66	82	93	103	104	120	90
MAY-SEP	77	94	106	103	118	135	103
BIG GOOSE CREEK nr Sheridan							
MAY-JUL	37	46	51	104	56	65	49
MAY-SEP	45	53	59	102	65	73	58
LITTLE GOOSE CREEK nr Big Horn							
MAY-JUL	26	31	34	106	37	42	32
MAY-SEP	34	39	43	108	47	52	40
TONGUE RIVER RESERVOIR Inflow (2)							
MAY-JUL	125	179	215	108	250	305	199
MAY-SEP	144	200	240	107	280	335	225
MIDDLE FORK POWDER nr Barnum							
MAY-JUL	9.0	12.0	14.0	90	16.0	19.0	15.6
MAY-SEP	9.7	12.8	14.9	90	17.0	20	16.6
NORTH FORK POWDER nr Hazelton							
MAY-JUL	6.9	8.5	9.6	107	10.7	12.3	9.0
MAY-SEP	7.5	9.2	10.4	106	11.6	13.3	9.8
ROCK CREEK nr Buffalo							
MAY-JUL	13.8	17.5	20	106	22	26	18.9
MAY-SEP	17.4	21	24	104	27	31	23
PINEY CREEK at Kearny							
MAY-JUL	30	40	46	105	52	62	44
MAY-SEP	33	43	50	104	57	67	48
POWDER RIVER at Moorehead							
MAY-JUL	88	139	174	98	210	260	178
MAY-SEP	108	162	198	99	235	290	200
POWDER RIVER nr Locate							
MAY-JUL	82	147	191	98	235	300	195
MAY-SEP	101	172	220	100	270	340	220

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	53.3	40.9	31.7

POWDER & TONGUE RIVER BASINS

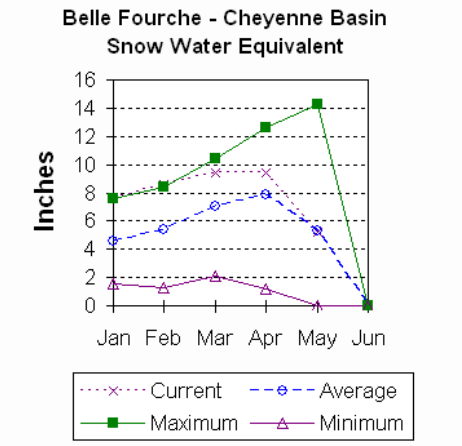
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	95	101
GOOSE CREEK	3	103	99
CLEAR CREEK	4	99	100
CRAZY WOMAN CREEK	3	102	109
UPPER POWDER RIVER	4	93	113
POWDER RIVER in WY	8	96	106

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 99% of average for this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

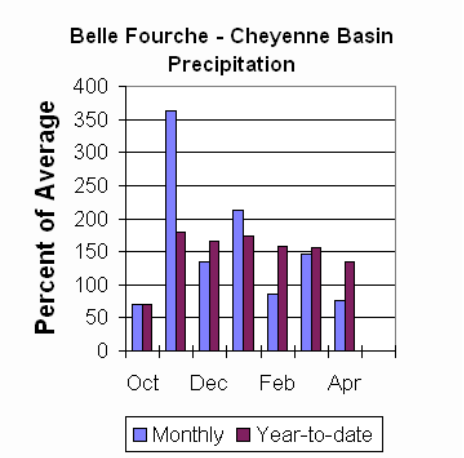


Precipitation

Precipitation for last month was 76% of average or 85% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 61-96%. Year-to-date precipitation is 135% of average and 132% of last year's amount. Yearly percentages range from 124-148% of average.

Reservoir

Current reservoir storage is around 109% of average in the basin. Angostura is currently storing 75% of average (85,600 ac-ft), about 70% of capacity. Belle Fourche reservoir is storing 115% of average (167,100 ac-ft), about 94% of capacity. Deerfield reservoir is storing 113% of average (15,300 ac-ft), about 101% of capacity. Keyhole reservoir is storing 93% of average (107,400 ac-ft), about 55% of capacity. Pactola reservoir is storing 114% of average (54,800 ac-ft), about 100% of capacity. Shadehill reservoir is storing 180% of average (117,300 ac-ft), about 144% 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 May through September period. The Deerfield Reservoir Inflow is 6,000 ac-ft (114% of average). Pactola Reservoir Inflow is expected to yield around 23,000 ac-ft (98% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - May 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)
DEERFIELD RESERVOIR Inflow							
MAY-JUL	1.6	2.7	4.1	108	5.5	7.6	3.8
MAY-SEP	2.4	4.0	6.0	114	8.0	11.0	5.3
PACTOLA RESERVOIR Inflow							
MAY-JUL	7.0	9.9	17.5	96	25	36	18.2
MAY-SEP	9.2	12.8	23	98	33	48	24

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	85.6	51.3	113.7
BELLE FOURCHE	178.4	167.1	109.1	145.7
DEERFIELD	15.2	15.3	11.9	13.6
KEYHOLE	193.8	107.4	64.6	115.8
PACTOLA	55.0	54.8	28.5	47.9
SHADEHILL	81.4	117.3	19.0	65.2

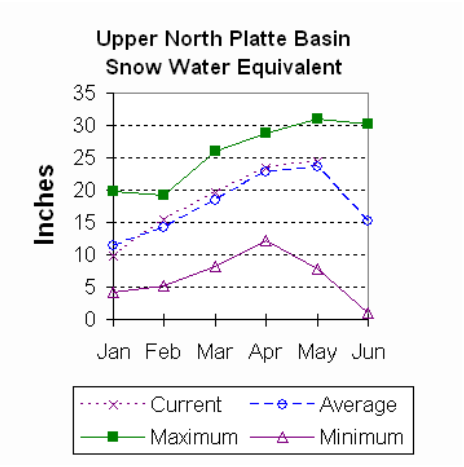
BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	5	47	98

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 103% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 99% of average at this time. SWE in the Encampment River drainage is about 106% of average. Brush Creek SWE for the year is about 105% of average. Medicine Bow and Rock Creek drainages SWE are about 94% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

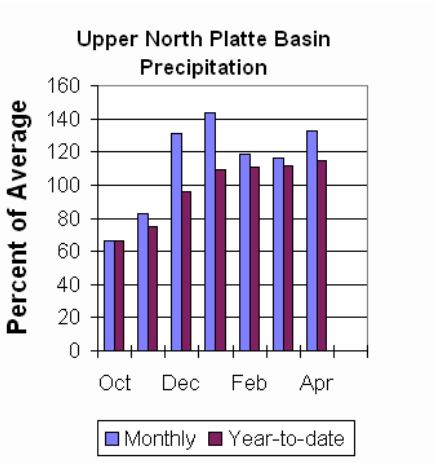


Precipitation

Eight reporting stations show last month's precipitation at 133% of average or 125% of last year's amount. Precipitation varied from 99-197% of average last month. Total water-year-to-date precipitation is about 115% of average for the basin, which is about 103% of last year's amount. Year to date percentage ranges from 96-132% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 533,600 ac-ft or 52% of capacity. Seminoe Reservoir is also storing about 105% of average for this time of the year and 243% 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 May through September period and are expected to be around average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 205,000 ac-ft (89% of average). The Encampment River near Encampment is 180,000 ac-ft (115% of average). Rock Creek near Arlington is 50,000 ac-ft (91% of average). Seminoe Reservoir inflow should be around 735,000 ac-ft (98% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - May 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							
MAY-JUL	100	148	181	88	215	260	205
MAY-SEP	111	167	205	89	245	300	230
ENCAMPMENT RIVER nr Encampment							
MAY-JUL	136	156	169	115	182	200	147
MAY-SEP	145	166	180	115	194	215	156
ROCK CREEK nr Arlington							
MAY-JUL	36	42	47	90	52	58	52
MAY-SEP	38	45	50	91	55	62	55
SWEETWATER RIVER nr Alcova							
MAY-JUL	23	37	46	75	55	69	61
MAY-SEP	25	40	50	76	60	75	66
SEMINOE RESERVOIR Inflow							
MAY-JUL	380	555	675	98	795	970	690
MAY-SEP	410	605	735	98	865	1060	750

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	533.6	220.0	510.4

UPPER NORTH PLATTE RIVER BASIN

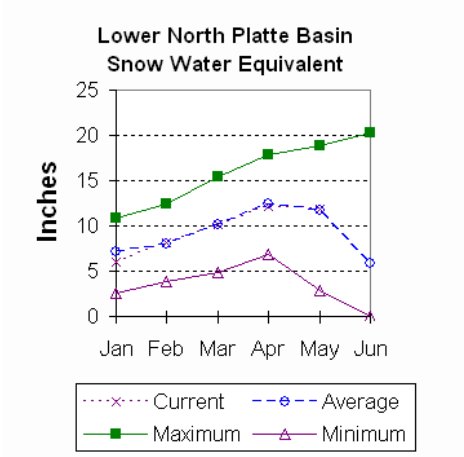
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	7	91	99
ENCAMPMENT RIVER	4	92	106
BRUSH CREEK	5	106	105
MEDICINE BOW & ROCK CREEKS	3	110	94
N PLATTE above Seminoe	19	97	103

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 101% of average. The Sweetwater drainage SWE is currently at 77% of average. Deer and LaPrele Creek SWE are at 112% of average. SWE for the North Platte above the Laramie River drainage is 100% of average. SWE for the Laramie River above Laramie is 107% of average. SWE for the Little Laramie River is 102% of average. The Laramie River above mouth, SWE is 103% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

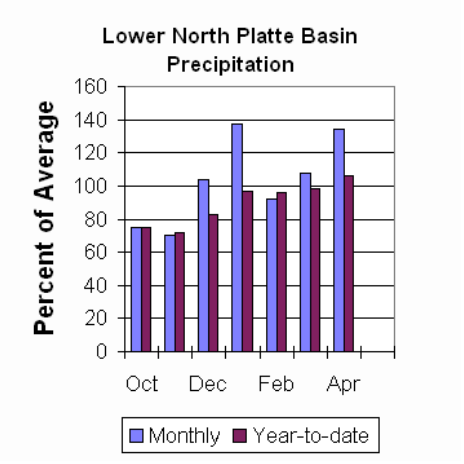


Precipitation

Last month's precipitation was 134% of average or 170% of last year's amount. Of the 8 reporting stations, percentages for the month range from 82-244%. The water year-to-date precipitation for the basin is currently 106% of average (106% of last year). Year-to-date percentages range from 86-163% of average.

Reservoir

The Lower North Platte River basin reservoir storage is below average at 84%. Reservoir storage is as follows: Alcova 180,100 ac-ft (98% of average); Glendo 465,600 ac-ft (102% of average); Guernsey 25,500 ac-ft (77% of average); Pathfinder 400,300 ac-ft (54% of average); Seminoe 533,600 ac-ft (105% of average); and Wheatland #2 59,300 ac-ft (99% of average):



Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period. The Sweetwater near Alcova is forecast to yield about 50,000 ac-ft (76% of average). Deer Creek at Glenrock is forecast to yield 29,000 ac-ft (104% of average). LaPrele Creek above the reservoir is forecast to yield 20,000 ac-ft (106% of average). North Platte - Alcova to Orin Gain is forecast to yield 121,000 ac-ft (99% of average). North Platte River below Glendo Reservoir is 790,000 ac-ft (95% of average), and below Guernsey Reservoir is anticipated to yield around 835,000 ac-ft (97% of average). Laramie River near Woods Landing should yield around 126,000 ac-ft (99% of average). The Little Laramie near Filmore should produce about 63,000 ac-ft (103% of average). See the following table for more detailed information on projected runoff.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - May 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							
MAY-JUL	23	37	46	75	55	69	61
MAY-SEP	25	40	50	76	60	75	66
DEER CREEK at Glenrock							
MAY-JUL	11.2	19.9	28	104	36	48	27
MAY-SEP	11.6	21	29	104	37	49	28
LaPRELE CREEK abv Reservoir							
MAY-JUL	10.8	16.2	19.8	107	23	29	18.6
MAY-SEP	11.1	16.4	20	106	24	29	18.9
NORTH PLATTE - Alcova to Orin Gain							
MAY-JUL	59	89	110	97	131	161	113
MAY-SEP	66	99	121	99	143	176	122
NORTH PLATTE RIVER blw Glendo Res (2)							
MAY-JUL	520	665	765	96	865	1010	800
MAY-SEP	540	690	790	95	890	1040	830
NORTH PLATTE RIVER blw Guernsey Res (2)							
MAY-JUL	500	675	795	98	915	1090	815
MAY-SEP	530	710	835	97	960	1140	860
LARAMIE RIVER nr Woods							
MAY-JUL	80	100	114	99	128	148	115
MAY-SEP	88	111	126	99	141	164	127
LITTLE LARAMIE RIVER nr Filmore							
MAY-JUL	43	51	57	102	63	71	56
MAY-SEP	47	57	63	103	69	79	61

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	180.1	179.7	178.8
GLENDO	506.4	465.6	386.8	458.2
GUERNSEY	45.6	25.5	22.7	33.3
PATHFINDER	1016.5	400.3	191.3	747.1
SEMINOE	1016.7	533.6	220.0	510.4
WHEATLAND #2	98.9	59.3	42.5	59.7

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

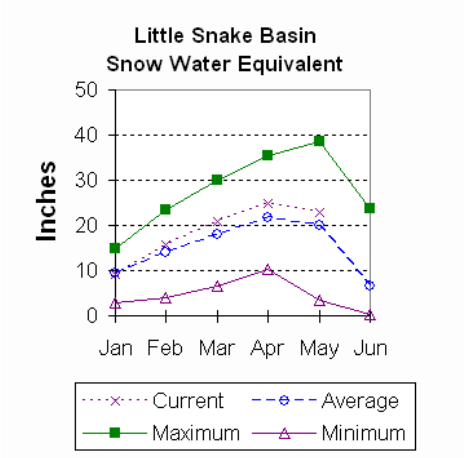
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	4	93	77
DEER & LaPRELE CREEKS	2	112	112
N PLATTE abv Laramie R.	25	98	100
LARAMIE RIVER abv Laramie	11	99	107
LITTLE LARAMIE RIVER	5	104	102
LARAMIE RIVER above mouth	14	100	103
NORTH PLATTE	32	97	101

Little Snake River Basin

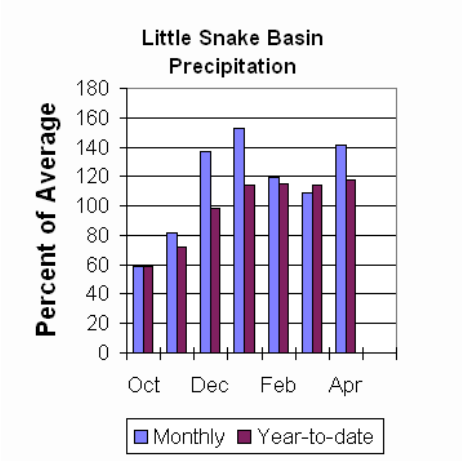
Snow

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



Precipitation

Precipitation across the basin was above average this past month. Last Month's precipitation was 141% of average (149% of last year) for the 5 reporting stations. Last month's precipitation ranged from 108-197% of average. The Little Snake River basin water-year-to-date precipitation is currently 118% of average (105% of last year). Year-to-date percentages range from 110-132% of average.



Reservoir

High Savery Dam -Pending

Streamflow

The 50% exceedance forecast for the May through July on the Little Snake River drainage is expected to be above average this year. The Little Snake River near Slater should yield around 180,000 ac-ft (128% of average). The Little Snake River near Dixon is estimated to yield around 375,000 ac-ft (129% of average). See the following table for more detailed information on projected runoff.

LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - May 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)
Little Snake River nr Slater							
APR-JUL	167	189	205	129	220	250	159
MAY-JUL	142	164	180	128	197	225	141
Little Snake River nr Dixon							
APR-JUL	330	395	440	133	490	565	330
MAY-JUL	265	330	375	129	425	500	290

* 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

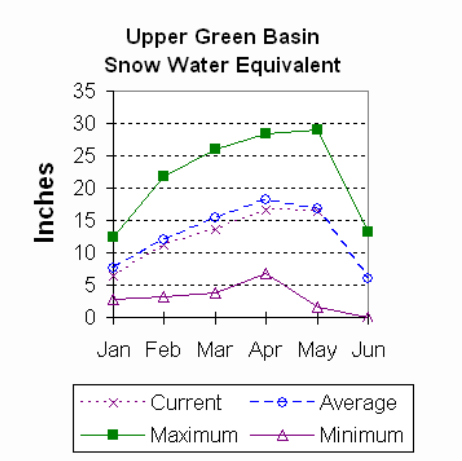
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	8	90	114

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 78% of average. SWE for the west side of Upper Green River Basin is about 104% of average. Newfork River Basin SWE is now about 99% of average. Big Sandy-Eden Valley Basin is 82% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 98% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

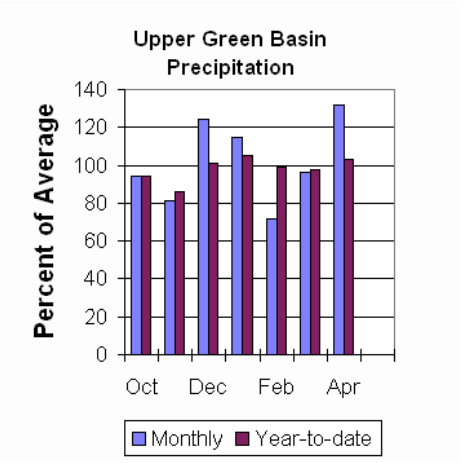


Precipitation

The 11 reporting precipitation sites in the basin were 132% of average last month (255% of last year). Last month's precipitation varied from 116-155% of average. Water year-to-date precipitation is about 103% of average (109% of last year). Year to date percentage of average ranges from 94-119% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 17,400 ac-ft or 45% of capacity. This is 70% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 143,400 ac-ft or 42% of capacity; 100% of average. This is 96% 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 May 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 225,000 ac-ft (92% of average). Pine Creek above Fremont Lake is 97,000 ac-ft (95% of average). New Fork River near Big Piney is 350,000 ac-ft (95% of average). Fontenelle Reservoir Inflow is estimated to be 660,000 ac-ft (86% of average), and Big Sandy near Farson is expected to be around 42,000 ac-ft (78% of average). See the following table for more detailed information on projected runoff.

UPPER GREEN RIVER BASIN

Streamflow Forecasts - May 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	210	235	250	94	265	295	265
MAY-JUL	185	210	225	92	240	270	246
Pine Creek abv Fremont Lake							
APR-JUL	85	94	100	96	107	116	104
MAY-JUL	82	91	97	95	104	113	102
New Fork River nr Big Piney							
APR-JUL	290	335	370	94	405	460	395
MAY-JUL	270	315	350	95	385	440	368
Fontenelle Reservoir Inflow							
APR-JUL	570	675	750	87	830	960	860
MAY-JUL	480	585	660	86	740	870	765
Big Sandy River nr Farson							
APR-JUL	34	40	45	78	50	58	58
MAY-JUL	31	37	42	78	47	55	54

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	17.4	15.8	24.8
EDEN		NO REPORT		
FONTENELLE	344.8	143.4	110.1	143.5

UPPER GREEN RIVER BASIN

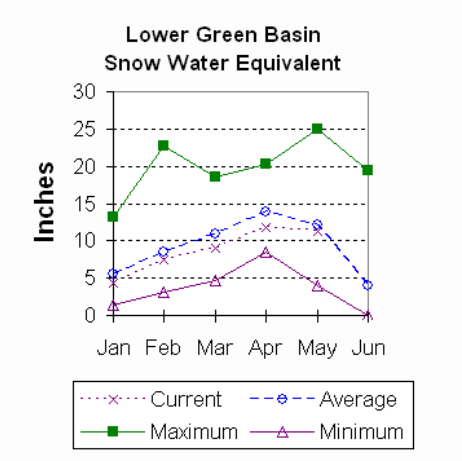
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	95	78
UPPER GREEN (West Side)	7	106	104
NEWFORK RIVER	3	132	99
BIG SANDY/EDEN VALLEY	2	93	82
GREEN above Fontenelle	14	105	98

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 93% of average. SWE in the Hams Fork Basin is 100% of average. Blacks Fork Basin SWE is currently 74% of average. In the Henrys Fork drainage SWE is 84%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

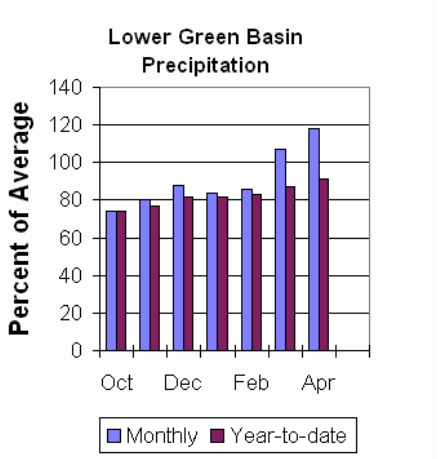


Precipitation

Precipitation was above average for the 3 reporting stations during last month at 118% of average or 230% of last year. Precipitation ranged from 109-161% of average for the month. The basin year-to-date precipitation is currently 91% of average (109% of last year). Year-to-date percentages range from 88-100% of average.

Reservoirs

Fontenelle Reservoir is currently storing 110,600 ac-ft; this is 100% of average (130% of last year). Flaming Gorge is currently storing 2,986,000 ac-ft; this is 102% of average (99% of last year). Viva Naughton is currently storing 43,300 ac-ft; 151% of average (142% 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 May 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 670,000 ac-ft (86% of average). The Blacks Fork near Robertson is forecast to yield 82,000 ac-ft (89% of average). East Fork of Smiths Fork near Robertson is forecast to yield 24,000 ac-ft (86% of average). Hams Fork below Pole Creek near Frontier is forecast to be 52,000 ac-ft (87% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 72,000 ac-ft (95% of average). The Flaming Gorge Reservoir inflow will be about 760,000 ac-ft (73% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - May 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	575	685	765	87	850	985	875
MAY-JUL	480	590	670	86	755	890	780
Blacks Fork nr Robertson							
APR-JUL	64	76	85	90	94	109	95
MAY-JUL	61	73	82	89	91	106	92
EF of Smiths Fork nr Robertson							
APR-JUL	17.2	22	25	86	29	34	29
MAY-JUL	16.2	21	24	86	28	33	28
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	44	52	58	89	64	74	65
MAY-JUL	38	46	52	87	58	68	60
Hams Fork Inf to Viva Naughton Res							
APR-JUL	57	70	80	90	91	107	89
MAY-JUL	49	62	72	95	83	99	76
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	590	760	890	75	1030	1260	1190
MAY-JUL	460	630	760	73	900	1130	1035

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	143.4	110.1	143.5
FLAMING GORGE	3749.0	3184.0	3033.0	2952.0
VIVA NAUGHTON RES	42.4	43.3	30.4	28.6

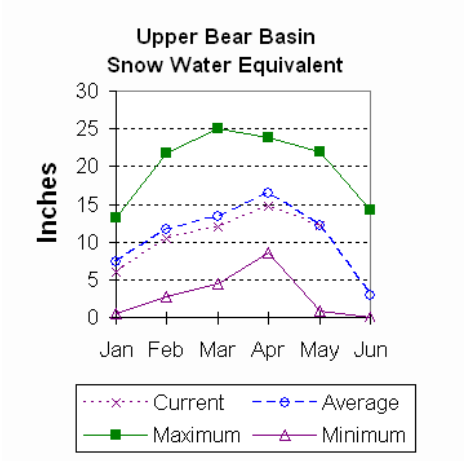
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	96	100
BLACKS FORK	5	47	39
HENRYS FORK	3	79	37
GREEN above Flaming Gorge	26	94	84

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 101% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 104% of average. Bear River Basin SWE, above the Idaho State line, is 100% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

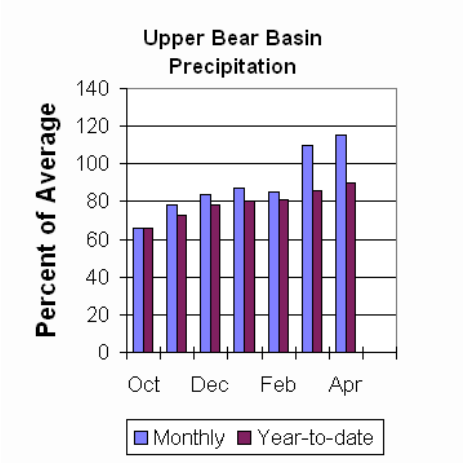
Precipitation for last month was 115% of average for the 2 reporting stations; this is 210% of the precipitation received last year. The year-to-date precipitation, for the basin, is 90% of average; this is 107% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 57,300 ac-ft (149% of average). Current reservoir storage is about 100% of capacity. Reservoir storage last year at this time was 40,800 ac-ft at this time.

Streamflow

The following 50% exceedance forecasts are for the May through September period. The Bear River near the Utah-Wyoming State Line is 120,000 ac-ft (101% of average). The Bear River above Reservoir near Woodruff is 142,000 ac-ft (100% of average). The Smiths Fork River near Border is 114,000 ac-ft (102% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN

Streamflow Forecasts - May 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	92	106	115	102	124	138	113
APR-SEP	103	118	128	102	138	153	125
MAY-JUL	86	99	107	100	115	128	107
MAY-SEP	97	111	120	101	129	143	119
Bear River ab Reservoir nr Woodruff							
APR-JUL	101	119	132	97	145	163	136
APR-SEP	111	129	142	100	155	173	142
MAY-JUL	87	104	116	100	128	145	116
MAY-SEP	97	114	126	103	138	155	122
Smiths Fork nr Border							
APR-JUL	98	103	106	103	109	114	103
APR-SEP	112	118	122	101	126	132	121
MAY-JUL	90	95	98	103	101	106	95
MAY-SEP	104	110	114	102	118	124	112

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WOODRUFF NARROWS	57.3	57.3	57.3	38.5

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - May 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	7	27	27
SMITHS & THOMAS FORKS	4	101	104
BEAR RIVER abv ID line	9	67	69
NORTHWEST	69	96	107
NORTHEST	20	93	104
SOUTHEAST	35	95	103
SOUTHWEST	35	88	89

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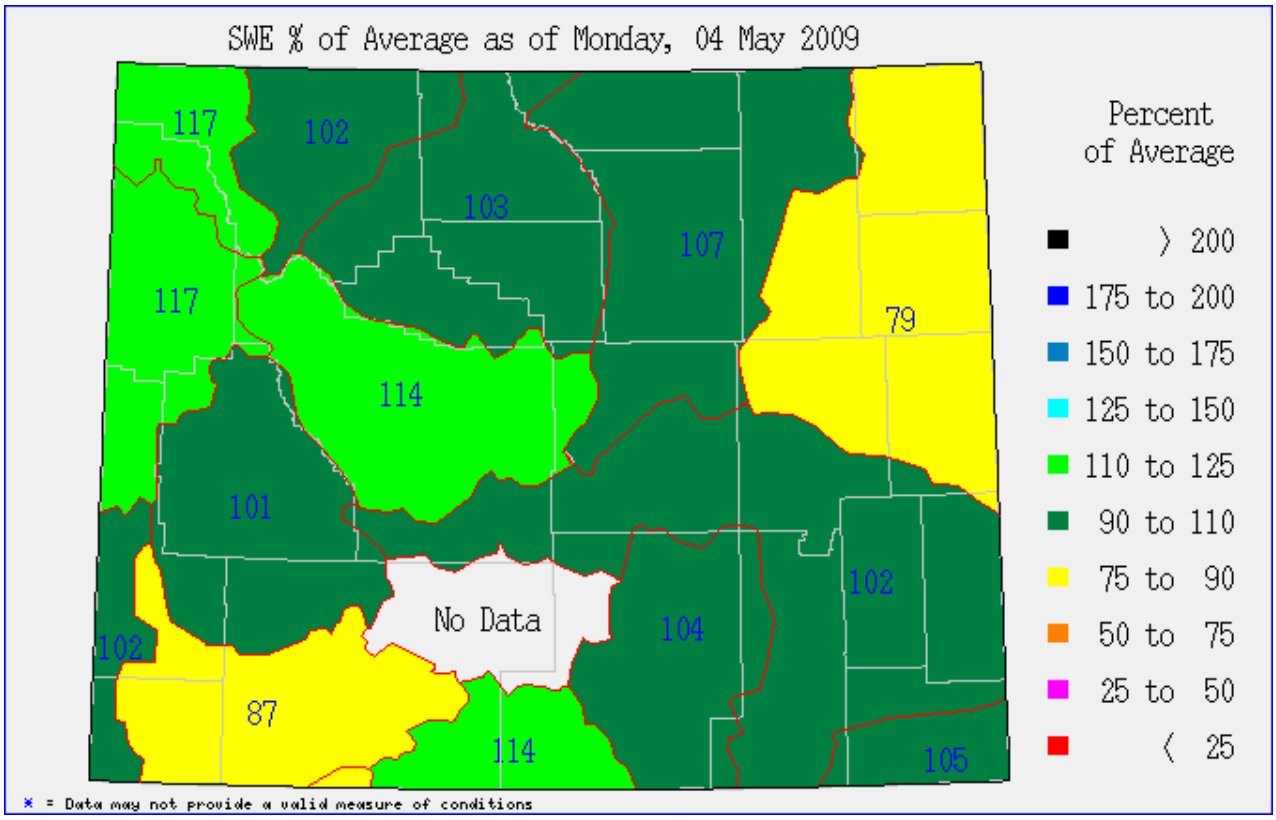

The Following Agencies and Organizations Cooperate with the Natural Resources Conservation Service on the Snow Survey Work.

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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