United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming
Basin Outlook Report
June 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 below average for June 1st at 61%. May precipitation for the basins varied from 46-91% of average. Year-to-date precipitation for Wyoming basins varied from 90-116% of average. Forecasted runoff varies from 51-112% of average across the Wyoming basins for an overall average of 89%. Basin reservoir levels for Wyoming vary from 60-145% of average for an overall average of 100%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below average for this time of year at 61%. SWE in the NW portion of Wyoming is now about 71% of average (49% of last year). NE Wyoming SWE is currently about 38% of average (17% of last year). The SE Wyoming SWE is currently about 57% of average (48% of last year). The SW Wyoming SWE is about 55% of average (50% of last year).

Precipitation

Last month's precipitation was way below average across Wyoming. The Powder & Tongue River Basins had the lowest precipitation for the month at 46% of average. The Upper Bear River Basin had the highest precipitation amount at 91% 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	**-16%**	**Upper North Platte River**	**-32%**
Yellowstone & Madison	**-27%**	**Lower North Platte**	**-43%**
Wind River	**-49%**	**Little Snake River**	**-24%**
Big Horn	**-46%**	**Upper Green River**	**-16%**
Shoshone & Clarks Fork	**-24%**	**Lower Green River**	**-22%**
Powder & Tongue River	**-54%**	**Upper Bear River**	**-09%**
Belle Fourche & Cheyenne	**-50%**		

Streams

Stream flow yield for June to September is expected to be below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 89% (varying from 51-112% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 96 and 104% of average, respectively; 93-109% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 91 and 89% of average, respectively; varying from 81-100% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 92% of average; varying from 89-110% of average: Yields from the Powder & Tongue River Basins are expected to be about 79% of average; varying from 76-86% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 89% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 61 and 54% of average, respectively; varying from 51-98% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 92, 70, and 92% of average respectively; yield estimates vary from 58-112% of average:

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 100% of average for the entire state. Reservoirs on the North Platte River are well below average at 86% of average. Reservoirs in the northeast are about average in storage at 98%. Reservoirs in the Wind River Basin are above average at 105%. Reservoirs on the Big Horn are slightly above average at 103%. The Buffalo Bill Reservoir on the Shoshone is above average at 135%. Reservoirs on the Green River are about average at 100%. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

BASIN AREA RESERVOIR	CURRENT AS %CAPACITY	LAST YR AS %CAPACITY	AVERAGE AS %CAPACITY	CURRENT AS %AVERAGE	CURRENT AS %LAST YR
ALCOVA	98	98	97	101	100
ANGOSTURA	70	59	96	73	119
BELLE FOURCHE	96	97	85	113	100
BIG SANDY	71	70	77	93	101
BIGHORN LAKE	66	67	64	103	98
BOYSEN	97	79	95	102	122
BUFFALO BILL	83	74	61	135	112
BULL LAKE	76	42	63	120	181
DEERFIELD	101	84	89	113	120
ENNIS LAKE	85	72	86	99	118
FLAMING GORGE	80	82	81	98	98
FONTENELLE	67	51	53	127	131
GLENDO	86	104	99	87	83
GRASSY LAKE	100	101	95	106	99
GUERNSEY	60	67	79	76	90
HEBGEN LAKE	83	97	89	99	94
JACKSON LAKE	88	71	68	130	124
KEYHOLE	55	43	61	90	127
PACTOLA	100	63	88	113	158
PALISADES	67	62	74	91	109
PATHFINDER	46	24	76	60	190
PILOT BUTTE	90	76	77	117	118
SEMINOE	70	39	65	109	181
SHADEHILL	91	37	84	108	248
TONGUE RIVER	88	104	61	145	84
VIVA NAUGHTON RES	106	107	92	115	99
WHEATLAND #2	84	49	60	141	173
WOODRUFF NARROWS	100	98	70	142	102
TOTAL OF 27 RESERVOIRS	75	68	75	100	111

Raw KAF Totals Current = 9726 Last Year = 8741 Average = 9713 Capacity = 12910

BASIN SUMMARY OF SNOW COURSE DATA

JUNE 2009

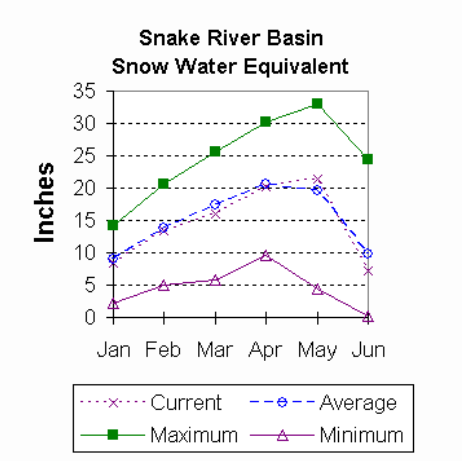
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
BALD MOUNTAIN SNOTEL	9380	6/01/09	22	11.3	19.0	16.7
BASE CAMP SNOTEL	7030	6/01/09	---	.0	1.3	.0
BATTLE MTN. SNOTEL	7440	6/01/09	0	.0	.0	.0
BEARTOOTH LK. SNOTEL	9280	6/01/09	46	18.8	27.7	20.1
BEAR TRAP SNOTEL	8200	6/01/09	0	.0	.0	.0
BIG GOOSE SNOTEL	7760	6/01/09	0	.0	5.0	2.7
BIG SANDY SNOTEL	9080	6/01/09	0	.0	.0	1.4
BLACKWATER SNOTEL	9780	6/01/09	47	20.8	31.2	24.7
BLIND BULL SNOTEL	8900	6/01/09	35	18.6	22.9	17.8
BLIND PARK SNOTEL	6870	6/01/09	0	.0	.0	.0
BONE SPGS. SNOTEL	9350	6/01/09	5	1.4	14.5	8.2
BROOKLYN LK. SNOTEL	10220	6/01/09	15	3.8	11.4	11.6
BURGESS JCT. SNOTEL	7880	6/01/09	0	.0	11.0	2.6
BURROUGHS CRK SNOTEL	8750	6/01/09	13	1.9	10.1	3.4
CANYON SNOTEL	8090	6/01/09	0	.0	5.2	1.3
CASPER MTN. SNOTEL	7850	6/01/09	0	.0	5.3	4.2
CHALK CK #1 SNOTEL	9100	6/01/09	0	.0	19.7	12.0
CHALK CK #2 SNOTEL	8200	6/01/09	0	.0	.0	.8
CINNABAR PARK SNOTEL	9690	6/01/09	12	4.4	8.9	1.5
CLOUD PEAK SNOTEL	9850	6/01/09	12	5.0	20.1	7.7
COLE CANYON SNOTEL	5910	6/01/09	0	.0	.0	.0
COLD SPRINGS SNOTEL	9630	6/01/09	0	.0	.0	1.1
COTTONWOOD CR SNOTEL	7700	6/01/09	---	.0	8.7	5.1
CROW CREEK SNOTEL	8830	6/01/09	0	.0	.0	.0
DEER PARK SNOTEL	9700	6/01/09	9	3.6	13.9	8.0
DIVIDE PEAK SNOTEL	8860	6/01/09	0	.0	3.8	3.7
DOME LAKE SNOTEL	8880	6/01/09	0	.0	9.3	3.2
EAST RIM DIV SNOTEL	7930	6/01/09	---	.0	.0	1.5
ELKHART PARK SNOTEL	9400	6/01/09	---	.0	1.2	3.3
EVENING STAR SNOTEL	9200	6/01/09	43	19.7	29.2	26.7
GRAND TARGHEE SNOTEL	9260	6/01/09	78	39.2	55.8	--
GRANITE CRK SNOTEL	6770	6/01/09	---	.0	.8	.8
GRASSY LAKE SNOTEL	7270	6/01/09	2	.6	22.0	14.0
GRAVE SPRINGS SNOTEL	8550	6/01/09	0	.0	6.5	1.8
GROS VENTRE SNOTEL	8750	6/01/09	0	.0	3.0	3.7
HANSEN S.M. SNOTEL	8360	6/01/09	0	.0	2.7	.2
HAMS FORK SNOTEL	7840	6/01/09	---	.0	.0	.0
HOBBS PARK SNOTEL	10100	6/01/09	15	5.6	15.2	10.1
INDIAN CREEK SNOTEL	9430	6/01/09	---	8.2	18.3	14.7
KELLEY R.S. SNOTEL	8180	6/01/09	---	.0	1.0	1.4
KENDALL R.S. SNOTEL	7740	6/01/09	0	.0	.0	.0
KIRWIN SNOTEL	9550	6/01/09	0	.0	9.2	5.5
LA PRELE SNOTEL	8380	6/01/09	0	.0	.0	.8
LEWIS LAKE SNOTEL	7850	6/01/09	24	10.8	24.1	17.9
LEWIS LAKE DIVIDE	7850	6/03/09	29	15.1	--	--
LITTLE WARM SNOTEL	9370	6/01/09	0	.0	.0	1.9
LOOMIS PARK SNOTEL	8240	6/01/09	---	.0	.0	2.3
MARQUETTE SNOTEL	8760	6/01/09	0	.0	7.0	4.2
MIDDLE POWDER SNOTEL	7760	6/01/09	0	.0	3.0	2.6
NEW FORK SNOTEL	8340	6/01/09	0	.0	.0	.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
NORTH FRENCH SNOTEL	10130	6/01/09	50	22.4	25.3	23.9
NORTH RAPID CK SNTL	6130	6/01/09	0	.0	.0	.0
OLD BATTLE SNOTEL	9920	6/01/09	61	27.6	31.7	25.6
OWL CREEK SNOTEL	8980	6/01/09	0	.0	1.1	.5
PARKERS PEAK SNOTEL	9400	6/01/09	27	11.9	29.4	18.5
PHILLIPS BNCH SNOTEL	8200	6/01/09	21	9.7	21.6	14.0
POWDER RVR.PASS SNTL	9480	6/01/09	0	.0	8.0	2.3
RENO HILL SNOTEL	8500	6/01/09	0	.0	6.8	3.4
SAGE CK BASIN SNTL	7850	6/01/09	0	.0	.0	2.1
SALT RIVER SNOTEL	7600	6/01/09	---	.0	.0	.0
SAND LAKE SNOTEL	10050	6/01/09	51	25.4	30.4	25.8
SANDSTONE RS SNOTEL	8150	6/01/09	0	.0	.0	.0
SHELL CREEK SNOTEL	9580	6/01/09	21	6.7	18.2	10.4
SNAKE RV STA SNOTEL	6920	6/01/09	0	.0	.0	.0
SNIDER BASIN SNOTEL	8060	6/01/09	0	.0	.0	.0
SOUTH BRUSH SNOTEL	8440	6/01/09	0	.0	.0	1.7
SOUTH PASS SNOTEL	9040	6/01/09	0	.0	6.9	6.3
SPRING CRK. SNOTEL	9000	6/01/09	29	12.8	15.3	15.0
ST LAWRENCE ALT SNTL	8620	6/01/09	0	.0	.0	.7
SUCKER CREEK SNOTEL	8880	6/01/09	0	.0	14.5	3.6
SYLVAN LAKE SNOTEL	8420	6/01/09	10	4.8	19.3	11.4
SYLVAN ROAD SNOTEL	7120	6/01/09	0	.0	.0	.0
THUMB DIVIDE SNOTEL	7980	6/01/09	0	.0	1.5	1.9
TIE CREEK SNOTEL	6870	6/01/09	0	.0	.0	.0
TIMBER CREEK SNOTEL	7950	6/01/09	0	.0	2.4	.5
TOGWOTEE PASS SNOTEL	9580	6/01/09	49	20.1	28.5	21.9
TOWNSEND CRK SNOTEL	8700	6/01/09	0	.0	.0	1.7
TRIPLE PEAK SNOTEL	8500	6/01/09	0	.0	12.4	4.8
TWO OCEAN SNOTEL	9240	6/01/09	54	32.0	42.6	25.2
WEBBER SPRING SNOTEL	9250	6/01/09	1	1.1	10.8	6.5
WHISKEY PARK SNOTEL	8950	6/01/09	9	4.6	18.4	13.6
WILLOW CREEK SNOTEL	8450	6/01/09	---	9.6	19.9	14.3
WINDY PEAK SNOTEL	7900	6/01/09	0	.0	.0	.1
WOLVERINE SNOTEL	7650	6/01/09	0	.0	.0	.0
YOUNTS PEAK SNOTEL	8350	6/01/09	9	4.0	10.9	7.0

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is below average at 73%. SWE in the Snake River Basin above Jackson Lake is 74% of average. Pacific Creek Basin SWE is 127% of average. Gros Ventre River Basin SWE is 79% of average. SWE in the Hoback River drainage is 71% of average. SWE in the Greys River drainage is 79% of average. In the Salt River area SWE is 49% of average. SWE in the Snake River Basin above Palisades is 73% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

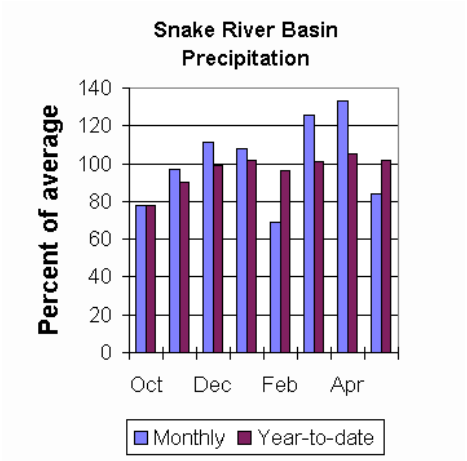


Precipitation

Precipitation across the basin was below average last month. Monthly precipitation for the basin was 84% of average (72% of last year). Last month's percentages range from 62-147% of average for the 16 reporting stations. Water-year-to-date precipitation is 102% of average for the Snake River Basin (96% of last year). Year-to-date percentages range from 90-117% of average.

Reservoir

Current reservoir storage is 105% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 106% of average (15,200 ac-ft compared to 15,400 last year). Jackson Lake storage is 130% of average (742,100 ac-ft compared to 598,300 ac-ft last year). Palisades Reservoir storage is about 91% of average (944,800 ac-ft compared to 867,900 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 June through September are below average for the basin. The Snake near Moran is 540,000 ac-ft (93% of average). Snake above reservoir near Alpine is 1,730,000 ac-ft (94% of average). The Snake near Irwin is 2,380,000 ac-ft (95% of average). The Snake near Heise is 2,530,000 ac-ft (96% of average). Pacific Creek at Moran is 114,000 ac-ft (108% of average). Greys River above Palisades Reservoir is 250,000 ac-ft (102% of average). Salt River near Etna is 240,000 ac-ft (100% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - June 1, 2009

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R nr Moran							
JUN-JUL	346	417	450	92	483	554	490
JUN-SEP	412	500	540	93	580	668	580
SNAKE abv Resv nr Alpine (1,2)							
JUN-JUL	1130	1309	1390	95	1471	1650	1470
JUN-SEP	1386	1623	1730	94	1837	2074	1840
SNAKE nr Irwin (1,2)							
JUN-JUL	1481	1749	1870	96	1991	2259	1950
JUN-SEP	1944	2244	2380	95	2516	2816	2500
SNAKE near Heise (2)							
JUN-JUL	1646	1839	1970	96	2101	2294	2050
JUN-SEP	2153	2377	2530	96	2683	2907	2650
Pacific Ck at Moran							
JUN-JUL	72	91	104	104	117	136	100
JUN-SEP	81	100	114	108	128	147	106
Greys R nr Alpine							
JUN-JUL	172	186	195	104	204	218	188
JUN-SEP	217	237	250	102	263	283	245
Salt R nr Etna							
JUN-JUL	103	137	160	99	183	217	162
JUN-SEP	164	209	240	100	271	316	240

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	15.2	15.4	14.4
JACKSON LAKE	847.0	742.1	598.3	572.6
PALISADES	1400.0	944.8	867.9	1033.6

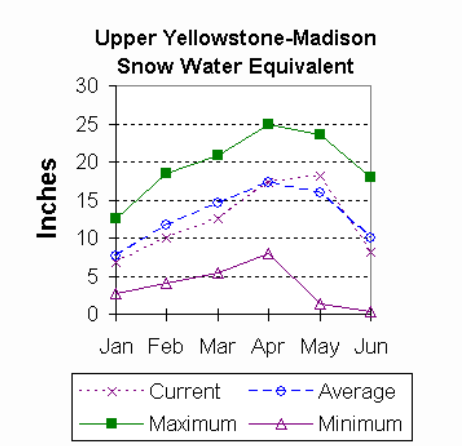
SNAKE RIVER BASIN
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	5	48	74
PACIFIC CREEK	2	73	127
GROS VENTRE RIVER	2	72	79
HOBACK RIVER	5	70	71
GREYS RIVER	4	61	79
SALT RIVER	3	34	49
SNAKE above Palisades	17	55	73

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been around average so far this year. Snow water equivalent (SWE) is at 80% of average in the Madison drainage. SWE in the Yellowstone drainage is at 82% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

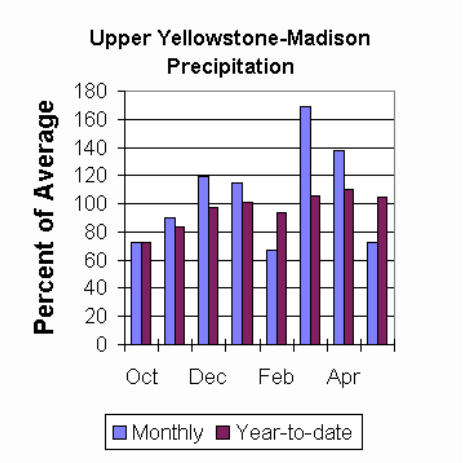


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 73% of average (52% of last year). The 5 reporting stations percentages range from 62-89% of average. Water-year-to-date precipitation is about 105% of average (86% of last year's amount). Year to date percentage ranges from 100-112%.

Reservoir

Ennis Lake is storing about 35,000 ac-ft of water (79% of capacity, 96% of average or 110% of last year's volume). Hebgen Lake is storing about 314,000 ac-ft of water (83% of capacity, 99% of average or 94% 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 June through September are above average for the basins. Yellowstone at Lake Outlet is 760,000 ac-ft (109% of average). Yellowstone at Corwin Springs will yield around 1,530,000 ac-ft (105% of average). Yellowstone near Livingston will yield around 1,760,000 ac-ft (104% of average). Hebgen Reservoir inflow is 295,000 ac-ft (95% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - June 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							
JUN-JUL	475	520	535	110	580	625	485
JUN-SEP	650	715	760	109	805	870	695
YELLOWSTONE RIVER at Corwin Springs							
JUN-JUL	1010	1140	1220	107	1300	1430	1140
JUN-SEP	1260	1420	1530	105	1640	1800	1460
YELLOWSTONE RIVER near Livingston							
JUN-JUL	1150	1300	1400	107	1500	1650	1310
JUN-SEP	1430	1630	1760	104	1890	2090	1700
HEBGEN Reservoir Inflow							
JUN-JUL	148	174	191	96	210	235	200
JUN-SEP	245	275	295	95	315	345	310

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	34.0	29.6	35.3
HEBGEN LAKE	377.5	327.0	333.3	314.7

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

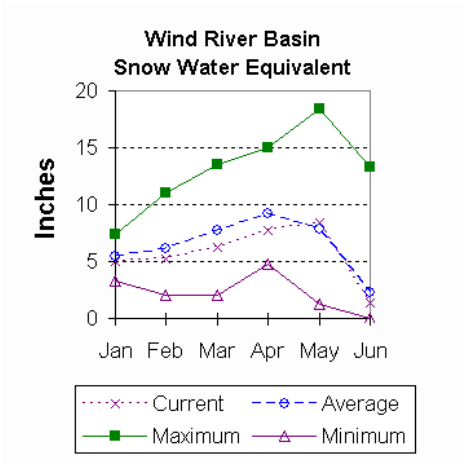
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	5	40	84
YELLOWSTONE RIVER in WY	8	53	82

Wind River Basin

Snow

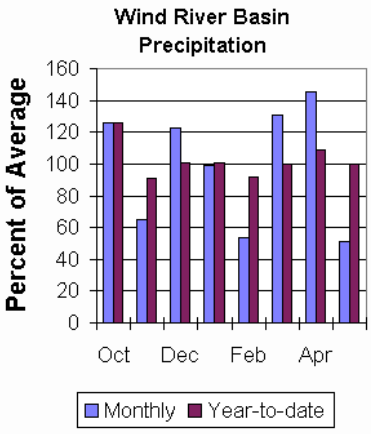
The Wind River Basin above Boysen Reservoir has below average snow water equivalent (SWE 59%) for this time of the year. SWE in the Wind River above Dubois is 81% of average. The Little Wind SWE is 52% of average, and the Popo Agie drainage SWE is about 35% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

Precipitation



Last months precipitation in the basin varied from 29-67% of average. Precipitation, for the basin, was about 51% of average from the 8 reporting stations; that is about 34% of last year's amount. Water year-to-date precipitation is 100% of average and about 94% of last year at this time. Year-to-date percentages range from 82-113% of average.

Reservoirs



Current storage varies from 102-120% of average. Usable storage in Bull Lake is currently about 114,800 ac-ft (120% of average) - the reservoir is about 181% of last year. Boysen Reservoir is storing about 102% of average (577,700 ac-ft) – the reservoir is about 122% of last year. Pilot Butte is at 117% of average (28,300 ac-ft) – the reservoir is about 118% 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 June through September runoff period for the basin are below average now. Dinwoody Creek near Burris is 74,000 ac-ft (93% of average). The Wind River above Bull Lake Creek is 415,000 ac-ft (100% of average). Bull Lake Creek near Lenore is 132,000 ac-ft (87% of average). Wind River at Riverton will yield around 480,000 ac-ft (96% of average). Little Popo Agie River near Lander is around 27,000 ac-ft (75% of average). South Fork of Little Wind near Fort Washakie will yield around 58,000 ac-ft (89% of average). Little Wind River near Riverton will yield around 167,000 ac-ft (74% of average). Boysen Reservoir inflow will yield around 555,000 ac-ft (91% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - June 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							
JUN-JUL	41	46	50	94	54	59	53
JUN-SEP	61	69	74	93	79	87	80
WIND RIVER abv Bull Lake Cr (2)							
JUN-JUL	225	280	320	102	360	415	315
JUN-SEP	305	370	415	100	460	525	415
BULL LAKE CR near Lenore							
JUN-JUL	63	77	103	87	97	111	118
JUN-SEP	100	119	132	87	145	164	152
WIND RIVER at Riverton (2)							
JUN-JUL	295	350	390	98	430	485	400
JUN-SEP	365	435	480	96	525	595	500
LT POPO AGIE RIVER nr Lander							
JUN-JUL	15.5	19.4	22	76	25	28	29
JUN-SEP	19.6	24	27	75	30	34	36
SF LT WIND nr Fort Washakie							
JUN-JUL	32	42	49	91	56	66	54
JUN-SEP	39	50	58	89	66	77	65
LT WIND RIVER nr Riverton							
JUN-JUL	58	108	144	77	180	235	188
JUN-SEP	67	125	167	74	210	270	225
BOYSEN RESERVOIR Inflow (2)							
JUN-JUL	295	405	480	93	555	665	516
JUN-SEP	325	460	555	91	650	785	609

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	114.8	63.4	95.3
BOYSEN	596.0	577.7	473.0	566.0
PILOT BUTTE	31.6	28.3	23.9	24.2

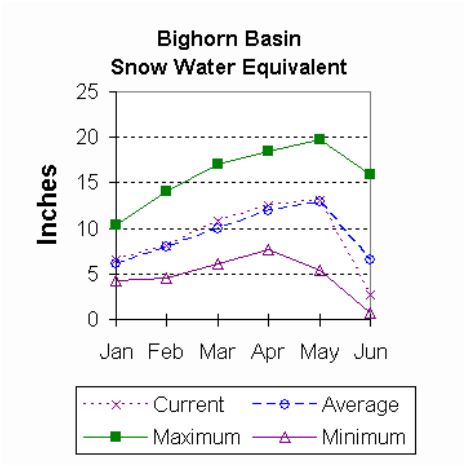
WIND RIVER BASIN
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	3	65	81
LITTLE WIND	2	37	52
POPO AGIE	4	26	35
WIND above Boysen Resv	7	52	59

Bighorn River Basin

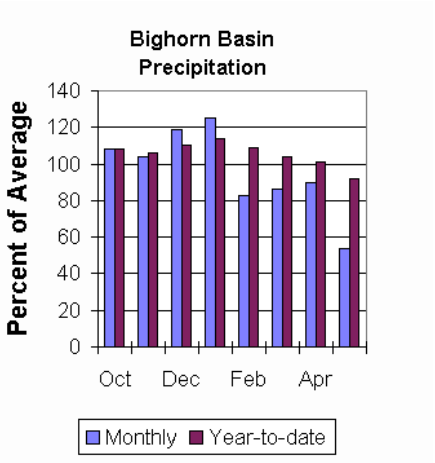
Snow

The Bighorn River Basin SWE above Bighorn Reservoir is below average at 42%. The Nowood River is at 0% of average. The Greybull River SWE is at 0% of average. Shell Creek SWE is 55% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation was 54% of average (129% of last year). Sites ranged from 29-64% of average for the month. Year-to-date precipitation is 92% of average; that is 79% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 76-115%.



Reservoir

Boysen Reservoir is currently storing 577,700 ac-ft (102% of average). Bighorn Lake is now at 103% of average (891,800 ac-ft). Boysen is currently storing 122% of last year volume at this time and Big Horn Lake is storing 98% 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 June through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 555,000 ac-ft (91% of average); the Greybull River near Meeteetse should yield around 145,000 ac-ft (89% of average); Shell Creek near Shell should yield around 42,000 ac-ft (81% of average) and the Bighorn River at Kane should yield around 700,000 ac-ft (89% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - June 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)							
JUN-JUL	295	405	480	93	555	665	516
JUN-SEP	325	460	555	91	650	785	609
GREYBULL RIVER nr Meeteetse							
JUN-JUL	73	88	98	89	108	123	110
JUN-SEP	112	132	145	89	158	178	163
SHELL CREEK nr Shell							
JUN-JUL	22	28	32	80	36	42	40
JUN-SEP	31	37	42	81	47	53	52
BIGHORN RIVER at Kane (2)							
JUN-JUL	365	510	605	90	700	845	675
JUN-SEP	400	580	700	89	820	1000	785

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	577.7	473.0	566.0
BIGHORN LAKE	1356.0	891.7	914.3	867.1

BIGHORN RIVER BASIN

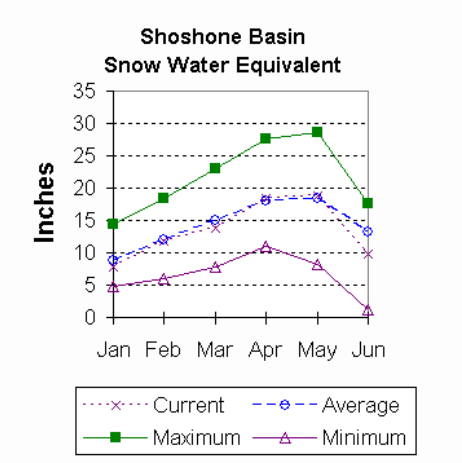
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	2	0	0
GREYBULL RIVER	2	0	0
SHELL CREEK	3	38	55
BIGHORN (Boysen-Bighorn)	7	26	42

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is below average for this time of year. Snow Water Equivalent (SWE) is 67% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 80% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

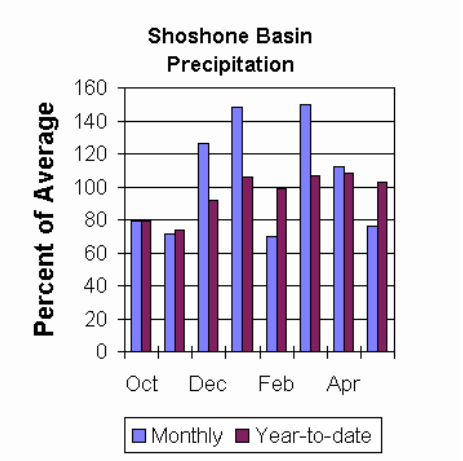


Precipitation

Precipitation for last month was 76% of average (47% of last year). Monthly percentages range from 40-107% of average. The basin year-to-date precipitation is now 103% of average (85% of last year). Year-to-date percentages range from 78-117% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 135% of average (112% of last year's storage) – the reservoir is at about 83% of capacity. Currently, about 536,000 ac-ft are stored in the reservoir compared to 477,300 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 June through September period are expected to be slightly below average for the basin. The North Fork Shoshone River at Wapiti is 400,000 ac-ft (110% of average). The South Fork of the Shoshone River near Valley is 197,000 ac-ft (94% of average), and the South Fork above Buffalo Bill Reservoir runoff is 164,000 ac-ft (94% of average). The Buffalo Bill Reservoir inflow is expected to yield around 565,000 ac-ft (95% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 395,000 ac-ft (89% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - June 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							
JUN-JUL	285	320	345	113	370	405	305
JUN-SEP	330	370	400	110	430	470	365
SF SHOSHONE RIVER nr Valley							
JUN-JUL	137	153	163	95	173	189	172
JUN-SEP	163	183	197	94	210	230	210
SF SHOSHONE RIVER abv Buffalo Bill							
JUN-JUL	112	138	155	95	172	198	163
JUN-SEP	114	144	164	94	184	215	174
BUFFALO BILL DAM Inflow (2)							
JUN-JUL	385	450	490	95	530	595	515
JUN-SEP	435	510	565	95	620	695	595
CLARKS FORK RIVER nr Belfry							
JUN-JUL	285	325	350	90	375	415	390
JUN-SEP	310	360	395	89	430	480	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.

SHOSHONE & CLARKS FORK RIVER BASINS

Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	536.0	477.3	395.7

SHOSHONE & CLARKS FORK RIVER BASINS

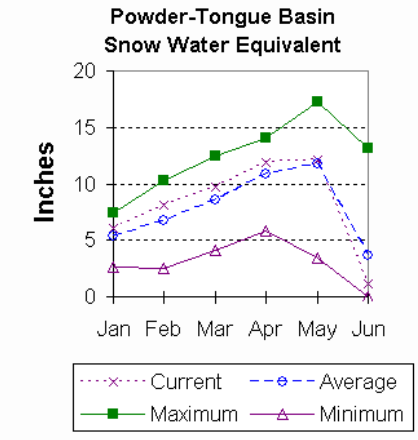
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	51	67
CLARKS FORK in WY	7	60	80

Powder and Tongue River Basins

Snow

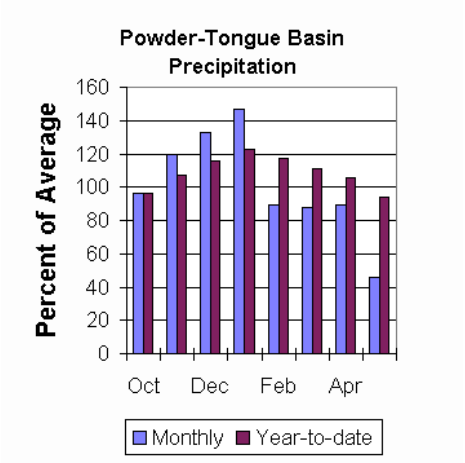
Snow water equivalent (SWE) in the Upper Tongue River drainage is 26% of average. The Goose Creek drainage is 99% of average. SWE in the Clear Creek drainage is 0% of average. Crazy Woman Creek drainage is 0% of average. Upper Powder River drainage SWE is 0% of average. Powder River Basin SWE in Wyoming is 39% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 46% of average for the 9 reporting stations (22% of last year). Monthly percentages range from 67-110% of average. Year-to-date precipitation is 94% of average in the basin; this is 75% of last year at this time.

Precipitation for the year ranges from 76-105% of average.



Reservoir

The Tongue River Reservoir is at 88% of capacity; 145% of average; and 84% of last year at 69,500 ac-ft.

Streamflow

The 50% exceedance forecasts for the June through September period are expected to be below average for the basins. The yield for Tongue River near Dayton is 58,000 ac-ft (82% of average). Big Goose Creek near Sheridan is 35,000 ac-ft (80% of average). Little Goose Creek near Bighorn is 25,000 ac-ft (86% of average). The Tongue River Reservoir Inflow is 120,000 ac-ft (78% of average). The Middle Fork of the Powder River near Barnum is 5,900 ac-ft (86% of average). The North Fork of the Powder River near Hazelton should yield around 4,500 ac-ft (76% of average). Rock Creek near Buffalo will yield about 14,200 ac-ft (89% of average), and Piney Creek at Kearny should yield about 25,000 ac-ft (78% of average). The Powder River at Moorehead is 102,000 ac-ft (80% of average). The Powder River near Locate is 113,000 ac-ft (80% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - June 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)							
JUN-JUL	31	41	47	81	53	63	58
JUN-SEP	39	50	58	82	66	77	71
BIG GOOSE CREEK nr Sheridan							
JUN-JUL	18.8	24	28	80	32	37	35
JUN-SEP	25	31	35	80	39	45	44
LITTLE GOOSE CREEK nr Big Horn							
JUN-JUL	13.1	15.9	17.8	85	19.7	22	21
JUN-SEP	18.5	22	25	86	28	31	29
TONGUE RIVER RESERVOIR Inflow (2)							
JUN-JUL	56	83	101	80	119	146	126
JUN-SEP	64	98	120	78	142	176	153
MIDDLE FORK POWDER nr Barnum							
JUN-JUL	2.0	3.3	5.0	85	6.7	9.3	5.9
JUN-SEP	2.3	4.1	5.9	86	7.7	10.3	6.9
NORTH FORK POWDER nr Hazelton							
JUN-JUL	1.6	2.9	3.9	77	4.7	6.0	5.1
JUN-SEP	2.1	3.5	4.5	76	5.5	6.9	5.9
ROCK CREEK nr Buffalo							
JUN-JUL	6.4	9.0	10.7	89	12.4	15.0	12.0
JUN-SEP	9.0	12.1	14.2	89	16.3	19.4	15.9
PINEY CREEK at Kearny							
JUN-JUL	10.6	17.4	23	79	27	33	29
JUN-SEP	11.6	19.6	25	78	30	38	32
POWDER RIVER at Moorehead							
JUN-JUL	29	61	83	79	105	137	105
JUN-SEP	36	75	102	80	129	168	128
POWDER RIVER nr Locate							
JUN-JUL	20	63	92	79	121	164	116
JUN-SEP	22	76	113	80	150	205	141

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	69.5	82.6	48.0

POWDER & TONGUE RIVER BASINS

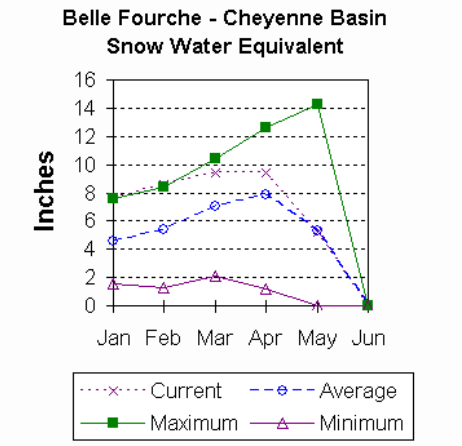
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	7	11	26
GOOSE CREEK	2	0	0
CLEAR CREEK	2	22	63
CRAZY WOMAN CREEK	1	0	0
UPPER POWDER RIVER	3	0	0
POWDER RIVER in WY	5	15	39

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 0% of average for this time of year. The Belle Fourche is melted out. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

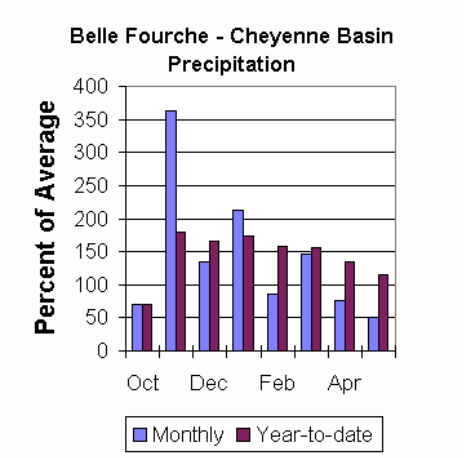


Precipitation

Precipitation for last month was 50% of average or 28% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 48-54%. Year-to-date precipitation is 116% of average and 98% of last year's amount. Yearly percentages range from 105-131% of average.

Reservoir

Current reservoir storage is around 98% of average in the basin. Angostura is currently storing 73% of average (86,000 ac-ft), about 70% of capacity. Belle Fourche reservoir is storing 113% of average (171,600 ac-ft), about 96% of capacity. Deerfield reservoir is storing 113% of average (15,300 ac-ft), about 101% of capacity. Keyhole reservoir is storing 90% of average (106,800 ac-ft), about 55% of capacity. Pactola reservoir is storing 113% of average (54,800 ac-ft), about 100% of capacity. Shadehill reservoir is storing 108% of average (74,300 ac-ft), about 91% 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 June through September period. The Deerfield Reservoir Inflow is 3,800 ac-ft (103% of average). Pactola Reservoir Inflow is expected to yield around 12,100 ac-ft (75% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - June 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							
JUN-JUL	0.8	1.3	2.1	91	3.4	5.3	2.3
JUN-SEP	1.5	2.3	3.8	103	5.9	9.0	3.7
PACTOLA RESERVOIR Inflow							
JUN-JUL	2.9	5.0	7.2	67	13.8	24	10.8
JUN-SEP	4.8	7.9	12.1	75	22	36	16.2

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	86.0	72.4	117.2
BELLE FOURCHE	178.4	171.6	172.4	152.3
DEERFIELD	15.2	15.3	12.7	13.6
KEYHOLE	193.8	106.8	84.2	118.9
PACTOLA	55.0	54.8	34.7	48.6
SHADEHILL	81.4	74.3	30.0	68.7

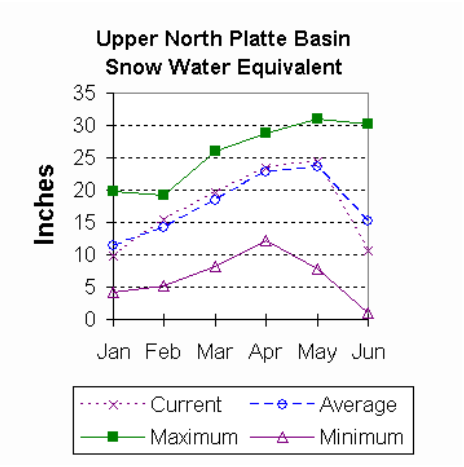
BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	2	0	0

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 69% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 59% of average at this time. SWE in the Encampment River drainage is about 73% of average. Brush Creek SWE for the year is about 88% of average. Medicine Bow and Rock Creek drainages SWE are about 78% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

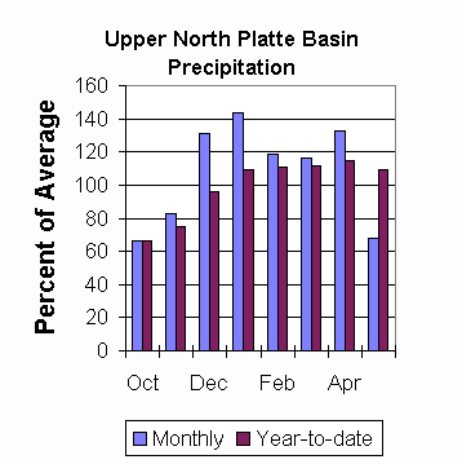


Precipitation

Eight reporting stations show last month's precipitation at 68% of average or 59% of last year's amount. Precipitation varied from 33-111% of average last month. Total water-year-to-date precipitation is about 109% of average for the basin, which is about 97% of last year's amount. Year to date percentage ranges from 91-125% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 715,300 ac-ft or 70% of capacity. Seminoe Reservoir is also storing about 109% of average for this time of the year and 181% 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 June through September period and are expected to be below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 97,000 ac-ft (61% of average). The Encampment River near Encampment is 106,000 ac-ft (98% of average). Rock Creek near Arlington is 30,000 ac-ft (73% of average). Seminoe Reservoir inflow should be around 305,000 ac-ft (61% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - June 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							
JUN-JUL	36	62	80	60	98	124	133
JUN-SEP	43	75	97	61	119	151	159
ENCAMPMENT RIVER nr Encampment							
JUN-JUL	72	87	97	98	107	122	99
JUN-SEP	79	95	106	98	117	133	108
ROCK CREEK nr Arlington							
JUN-JUL	21	25	28	74	31	35	38
JUN-SEP	22	27	30	73	33	38	41
SWEETWATER RIVER nr Alcova							
JUN-JUL	5.5	12.5	17.3	52	22	29	33
JUN-SEP	6.7	15.2	21	54	27	35	39
SEMINOE RESERVOIR Inflow							
JUN-JUL	120	205	265	61	325	410	435
JUN-SEP	129	235	305	61	375	480	500

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

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

UPPER NORTH PLATTE RIVER BASIN

Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	715.3	394.9	658.3

UPPER NORTH PLATTE RIVER BASIN

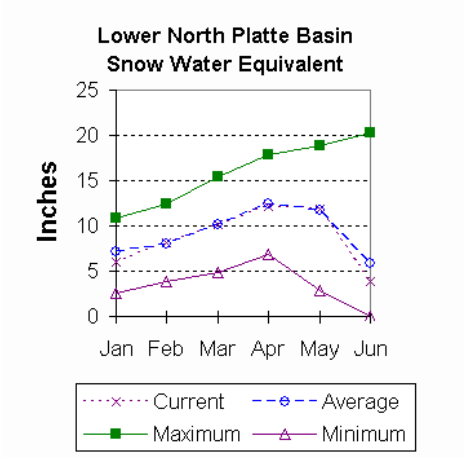
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	5	48	59
ENCAMPMENT RIVER	3	55	73
BRUSH CREEK	2	89	87
MEDICINE BOW & ROCK CREEKS	2	70	78
N PLATTE above Seminoe	13	58	69

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 65% of average. The Sweetwater drainage SWE is currently at 25% of average. Deer and LaPrele Creek SWE are at 0% of average. SWE for the North Platte above the Laramie River drainage is 64% of average. SWE for the Laramie River above Laramie is 68% of average. SWE for the Little Laramie River is 63% of average. The Laramie River above mouth, SWE is 59% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

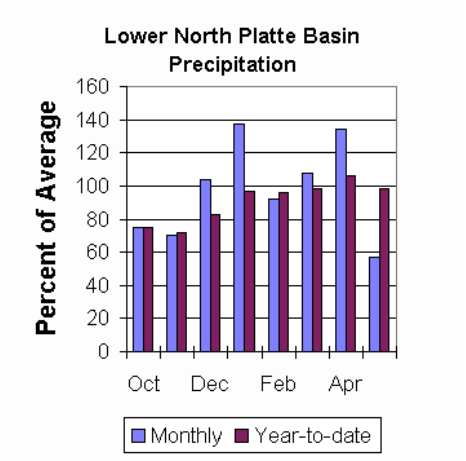


Precipitation

Last month's precipitation was 57% of average or 35% of last year's amount. Of the 8 reporting stations, percentages for the month range from 33-80%. The water year-to-date precipitation for the basin is currently 98% of average (89% of last year). Year-to-date percentages range from 82-149% of average.

Reservoir

The Lower North Platte River basin reservoir storage is below average at 86%. Reservoir storage is as follows: Alcova 180,200 ac-ft (101% of average); Glendo 437,300 ac-ft (87% of average); Guernsey 27,500 ac-ft (76% of average); Pathfinder 468,000 ac-ft (60% of average); Seminoe 715,300 ac-ft (109% of average); and Wheatland #2 83,200 ac-ft (141% of average):



Streamflow

The following yields are based on the 50% exceedance forecasts for the June through September period. The Sweetwater near Alcova is forecast to yield about 21,000 ac-ft (54% of average). Deer Creek at Glenrock is forecast to yield 4,700 ac-ft (77% of average). LaPrele Creek above the reservoir is forecast to yield 3,100 ac-ft (60% of average). North Platte - Alcova to Orin Gain is forecast to yield 25,000 ac-ft (76% of average). North Platte River below Glendo Reservoir is 240,000 ac-ft (51% of average), and below Guernsey Reservoir is anticipated to yield around 270,000 ac-ft (54% of average). Laramie River near Woods Landing should yield around 68,000 ac-ft (76% of average). The Little Laramie near Filmore should produce about 45,000 ac-ft (96% of average). See the following table for more detailed information on projected runoff.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - June 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)
SWEETWATER RIVER nr Alcova							
JUN-JUL	5.5	12.5	17.3	52	22	29	33
JUN-SEP	6.7	15.2	21	54	27	35	39
DEER CREEK at Glenrock							
JUN-JUL	1.6	2.6	3.9	71	6.8	11.2	5.5
JUN-SEP	1.9	2.9	4.7	77	7.4	11.4	6.1
LaPRELE CREEK abv Reservoir							
JUN-JUL	1.1	1.7	2.8	57	4.5	7.0	4.9
JUN-SEP	1.2	1.8	3.1	60	4.8	7.2	5.2
NORTH PLATTE - Alcova to Orin Gain							
JUN-JUL	-19.7	1.7	16.3	65	31	52	25
JUN-SEP	-10.8	10.5	25	76	39	61	33
NORTH PLATTE RIVER blw Glendo Res (2)							
JUN-JUL	123	190	235	53	280	345	440
JUN-SEP	122	192	240	51	290	360	470
NORTH PLATTE RIVER blw Guernsey Res (2)							
JUN-JUL	116	196	250	56	305	385	450
JUN-SEP	123	210	270	54	330	415	500
LARAMIE RIVER nr Woods							
JUN-JUL	36	49	58	75	67	80	77
JUN-SEP	43	58	68	76	78	93	89
LITTLE LARAMIE RIVER nr Filmore							
JUN-JUL	31	36	40	95	44	49	42
JUN-SEP	34	41	45	96	49	56	47

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	180.2	179.9	178.8
GLENDO	506.4	437.3	528.8	503.4
GUERNSEY	45.6	27.5	30.5	36.2
PATHFINDER	1016.5	468.0	246.8	775.1
SEMINOE	1016.7	715.3	394.9	658.3
WHEATLAND #2	98.9	83.2	48.2	59.0

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

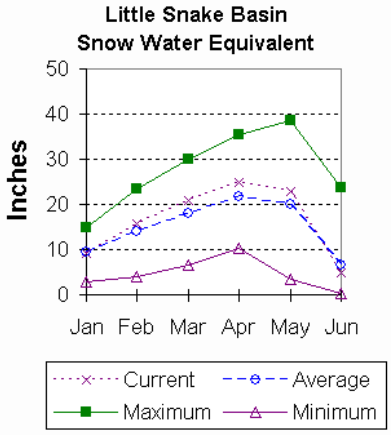
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	2	17	25
DEER & LaPRELE CREEKS	2	0	0
N PLATTE abv Laramie R.	17	53	64
LARAMIE RIVER abv Laramie	5	44	68
LITTLE LARAMIE RIVER	2	40	63
LARAMIE RIVER above mouth	6	42	59
NORTH PLATTE	17	54	65

Little Snake River Basin

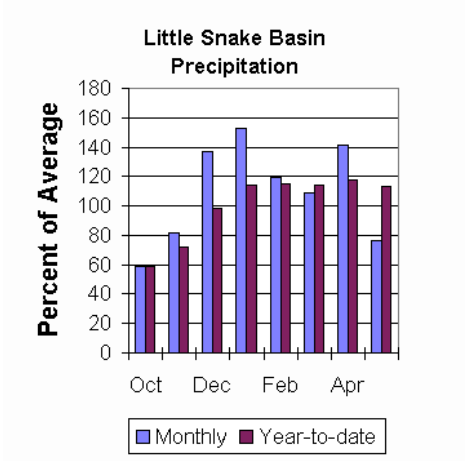
Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 73% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation across the basin was 76% of average (68% of last year) for the 5 reporting stations. Last month's precipitation ranged from 72-103% of average. The Little Snake River basin water-year-to-date precipitation is currently 113% of average (101% of last year). Year-to-date percentages range from 106-125% of average.



Reservoir

High Savery Dam - Pending

Streamflow

The 50% exceedance forecast for the June through July on the Little Snake River drainage is expected to be below average this year. The Little Snake River near Slater should yield around 60,000 ac-ft (85% of average). The Little Snake River near Dixon is estimated to yield around 122,000 ac-ft (92% of average). See the following table for more detailed information on projected runoff.

LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - June 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	164	176	185	116	195	210	159
JUN-JUL	39	51	60	85	70	85	71
Little Snake River nr Dixon							
APR-JUL	340	370	390	118	415	450	330
JUN-JUL	74	101	122	92	145	182	133

* 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

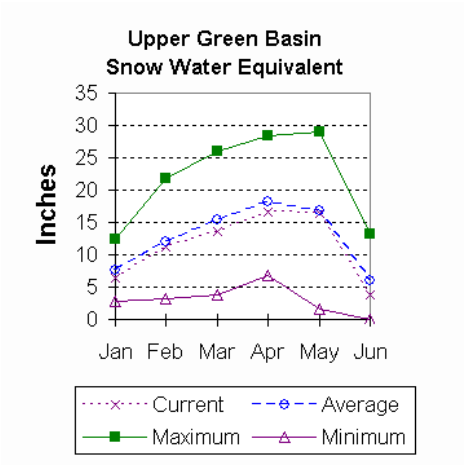
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	6	60	73

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 0% of average. SWE for the west side of Upper Green River Basin is about 76% of average. Newfork River Basin SWE is now about 0% of average. Big Sandy-Eden Valley Basin is 0% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 63% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

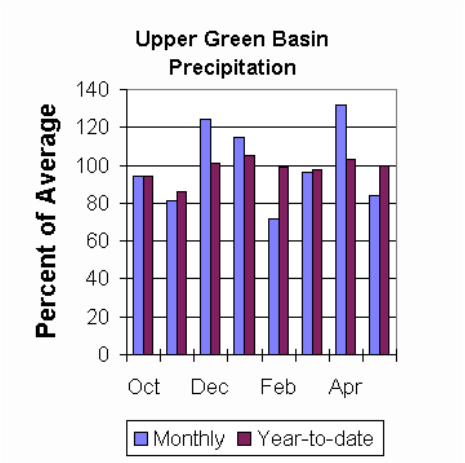


Precipitation

The 11 reporting precipitation sites in the basin were 84% of average last month (68% of last year). Last month's precipitation varied from 53-123% of average. Water year-to-date precipitation is about 100% of average (103% of last year). Year to date percentage of average ranges from 91-110% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 27,300 ac-ft or 71% of capacity. This is 93% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 230,400 ac-ft or 67% of capacity; 127% of average. This is 122% 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 June 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 153,000 ac-ft (82% of average). Pine Creek above Fremont Lake is 76,000 ac-ft (91% of average). New Fork River near Big Piney is 230,000 ac-ft (79% of average). Fontenelle Reservoir Inflow is estimated to be 465,000 ac-ft (82% of average), and Big Sandy near Farson is expected to be around 26,000 ac-ft (67% of average). See the following table for more detailed information on projected runoff.

UPPER GREEN RIVER BASIN

Streamflow Forecasts - June 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	230	245	93	260	285	265
JUN-JUL	119	139	153	82	168	191	186
Pine Creek abv Fremont Lake							
APR-JUL	85	94	100	96	106	116	104
JUN-JUL	59	69	76	91	83	95	84
New Fork River nr Big Piney							
APR-JUL	270	310	335	85	365	410	395
JUN-JUL	165	205	230	79	260	305	293
Fontenelle Reservoir Inflow							
APR-JUL	560	645	705	82	765	870	860
JUN-JUL	320	405	465	82	525	630	570
Big Sandy River nr Farson							
APR-JUL	36	41	45	78	50	57	58
JUN-JUL	16.7	22	26	67	31	38	39

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	27.3	26.9	29.4
EDEN		NO REPORT		
FONTENELLE	344.8	230.4	175.9	181.9

UPPER GREEN RIVER BASIN

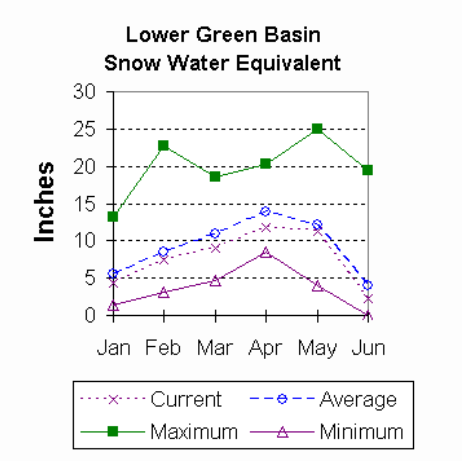
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	75	0
UPPER GREEN (West Side)	5	57	76
NEWFORK RIVER	2	0	0
BIG SANDY/EDEN VALLEY	1	0	0
GREEN above Fontenelle	11	54	63

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 57% of average. SWE in the Hams Fork Basin is 51% of average. Blacks Fork Basin SWE is currently 40% of average. In the Henrys Fork drainage SWE is 0%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

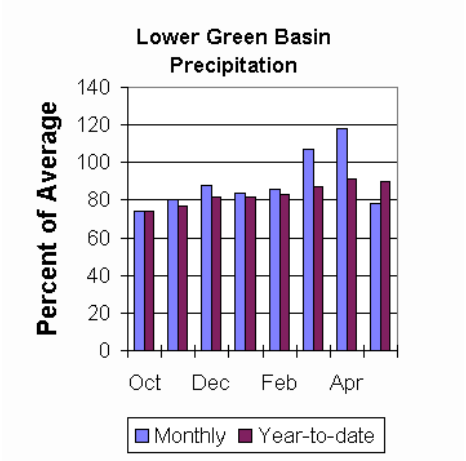


Precipitation

Precipitation was below average for the 3 reporting stations during last month at 78% of average or 64% of last year. Precipitation ranged from 59-91% of average for the month. The basin year-to-date precipitation is currently 90% of average (102% of last year). Year-to-date percentages range from 86-98% of average.

Reservoirs

Fontenelle Reservoir is currently storing 230,400 ac-ft; this is 127% of average (131% of last year). Flaming Gorge is currently storing 2,991,000 ac-ft; this is 98% of average (98% of last year). Viva Naughton is currently storing 43,300 ac-ft; 115% of average (99% 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 June 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 475,000 ac-ft (82% of average). The Blacks Fork near Robertson is forecast to yield 39,000 ac-ft (58% of average). East Fork of Smiths Fork near Robertson is forecast to yield 14,000 ac-ft (67% of average). Hams Fork below Pole Creek near Frontier is forecast to be 24,000 ac-ft (73% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 23,000 ac-ft (63% of average). The Flaming Gorge Reservoir inflow will be about 510,000 ac-ft (70% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - June 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 nr Green River, WY (2)							
APR-JUL	575	660	725	83	795	905	875
JUN-JUL	325	410	475	82	545	655	580
Blacks Fork nr Robertson							
APR-JUL	60	72	80	84	89	102	95
JUN-JUL	21	31	39	58	48	63	67
EF of Smiths Fork nr Robertson							
APR-JUL	17.2	22	25	86	29	34	29
JUN-JUL	7.3	11.0	14.0	67	17.3	23	21
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	46	51	55	85	59	66	65
JUN-JUL	15.0	20	24	73	28	35	33
Hams Fork Inf to Viva Naughton Res							
APR-JUL	66	72	78	88	84	95	89
JUN-JUL	10.7	17.4	23	63	29	40	37
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	630	755	850	71	955	1140	1190
JUN-JUL	290	415	510	70	615	795	730

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	230.4	175.9	181.9
FLAMING GORGE	3749.0	3149.0	3009.0	3040.0
VIVA NAUGHTON RES	42.4	44.8	45.2	39.0

LOWER GREEN RIVER BASIN

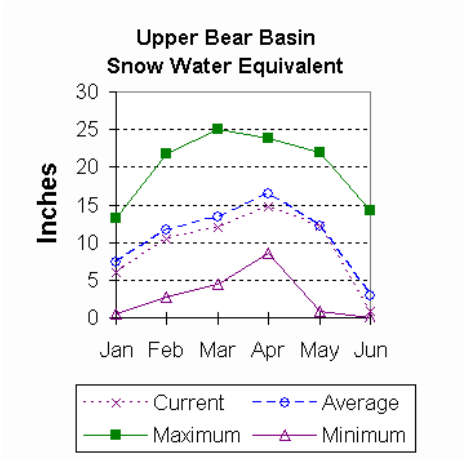
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	3	42	51
BLACKS FORK	2	32	19
HENRYS FORK	2	0	0
GREEN above Flaming Gorge	18	51	54

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 9% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 51% of average. Bear River Basin SWE, above the Idaho State line, is 31% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

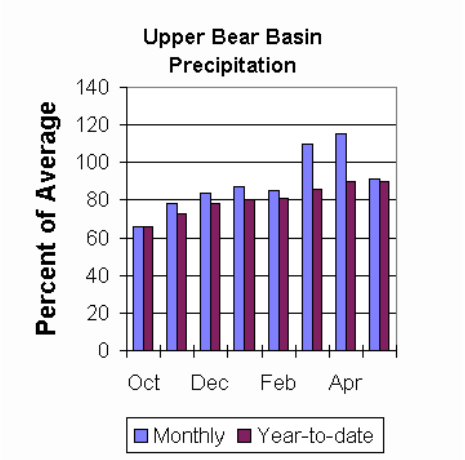
Precipitation for last month was 91% of average for the 2 reporting stations; this is 77% of the precipitation received last year. The year-to-date precipitation, for the basin, is 90% of average; this is 103% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 57,300 ac-ft (142% of average). Current reservoir storage is about 100% of capacity. Reservoir storage last year at this time was 56,000 ac-ft at this time.

Streamflow

The following 50% exceedance forecasts are for the June through September period. The Bear River near the Utah-Wyoming State Line is 78,000 ac-ft (95% of average). The Bear River above Reservoir near Woodruff is 65,000 ac-ft (92% of average). The Smiths Fork River near Border is 70,000 ac-ft (91% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN

Streamflow Forecasts - June 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	100	112	120	106	128	140	113
APR-SEP	116	130	140	112	150	164	125
JUN-JUL	40	50	57	81	64	74	70
JUN-SEP	59	70	78	95	86	97	82
Bear River ab Reservoir nr Woodruff							
APR-JUL	86	104	117	86	130	148	136
APR-SEP	99	117	130	92	143	161	142
JUN-JUL	19.0	32	40	63	48	61	64
JUN-SEP	43	56	65	92	74	87	71
Smiths Fork nr Border							
APR-JUL	89	93	95	92	97	101	103
APR-SEP	102	107	110	91	113	118	121
JUN-JUL	49	53	55	90	57	61	61
JUN-SEP	62	67	70	91	73	78	77

* 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 May

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WOODRUFF NARROWS	57.3	54.0	57.3	40.3

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	5	0	0
SMITHS & THOMAS FORKS	3	42	51
BEAR RIVER abv ID line	6	34	24
NORTHWEST	47	49	71
NORTHEST	11	17	38
SOUTHEAST	20	48	57
SOUTHWEST	25	53	53

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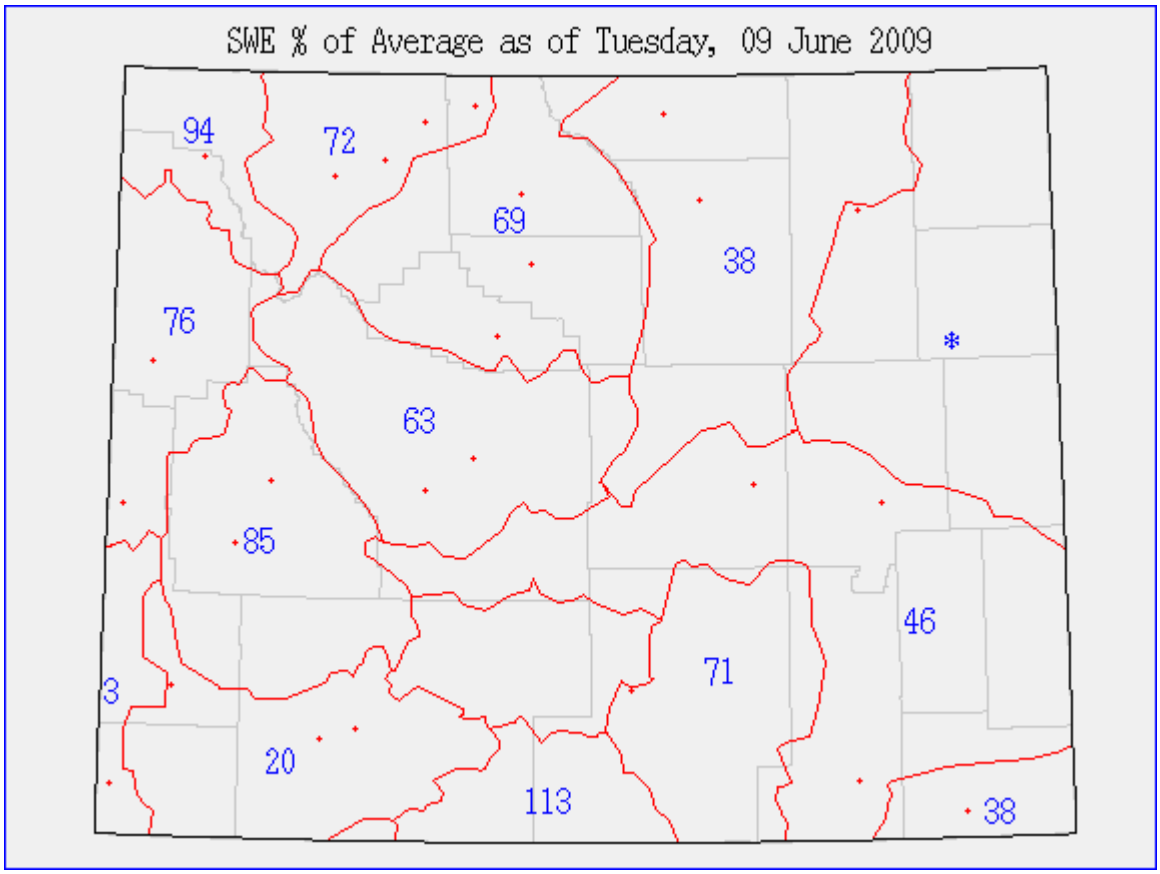

The Following Agencies and Organizations Cooperate with the Natural Resources Conservation Service on the Snow Survey Work.

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

Natural Resources Conservation Service
Casper, WY

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Casper, WY 82601

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