



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Wyoming Basin Outlook Report June 1, 2006



Basin Outlook Reports

And

Federal - State - Private

Cooperative Snow Surveys

For more water supply and resource management information, contact:

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

How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with precipitation, base 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.

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Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming has dropped significantly this last month. SWE for the State of Wyoming as a whole is 37% of average for early June. Snowfall during May was below average and temperatures were above normal across the state. Precipitation for last month in the basins varied from 29-139% of average for Wyoming for an overall average of 59%. Year-to-date precipitation is below average for the year and varies from 74-129% of average in the basins for an overall average of 93%. Basin reservoir levels for Wyoming vary from 39-144% of average for an overall average of 95%. Forecast runoff varies from 55-139% of average across Wyoming for an overall average of 67%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below average for this time of year at 37%. SWE in the NW portion of Wyoming is now about 55% of average (107% of last year). NE Wyoming is melted out. The SE portion of Wyoming SWE is currently about 44% of average (74% of last year). The SW portion of Wyoming SWE is about 48% of average (68% of last year). See the picture at the end of the document for the individual basins.

Precipitation

Last month's precipitation was down across almost all of Wyoming. The Wind River Basin had the lowest precipitation for the month at 29% of average. The Belle Fourche Basin had the highest precipitation amount at 139% of average. The following table displays the major river basins and their departure from average for last month.

Basin	Departure from average	Basin	Departure from average
Snake River	-37%	Upper North Platte River	-55%
Upper Yellowstone & Madison	-16%	Lower North Platte	-51%
Wind River	-71%	Little Snake River	-49%
Big Horn	-37%	Upper Green River	-65%
Shoshone & Clarks Fork	-36%	Lower Green River	-60%
Powder & Tongue River	-22%	Upper Bear River	-59%
Belle Fourche & Cheyenne	+39%		

Streams

Stream flow yield is expected to be below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 67%; varying from 44-125%. The Snake River, Upper Yellowstone & Madison River Basins are expected to yield about 91, 90% of average respectively; yield estimates range from 85-94% of average for the various forecast points in these basins. Yields from the Wind and Bighorn River Basins are expected to be about 44, 52% of average respectively; varying from 44-76% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 64, 66% of average respectively; varying from 59-66% of average. Yields from the Powder & Tongue River Basins are expected to be about 51, 65% of average respectively; varying from 50-66%. Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 125% of average. Yields for the Upper and Lower North Platte River of Wyoming will be about 67 and 62% of average, respectively; varying from 48-82%. Yields for the Little Snake, Upper Green River, Lower Green River, Big Sandy and Little Bear River Basins of Wyoming are expected to be 60, 66, 76, 64 and 82% of average respectively; varying from 60-101%.

Reservoirs

Reservoirs on the Upper North Platte River are below average at 70% of average. Reservoirs on the Lower North Platte River are well below average at 65% of average. Most of the reservoirs in the northeast are below average in storage at 69% except for the Tongue River Reservoir at 125% of normal. Reservoirs in the Wind River Basin are below average at 90%. Reservoirs on the Big Horn are slightly below average at 91%. The Buffalo Bill Reservoir on the Shoshone is above average at 141%. Reservoirs on the Green River are above average at 104%. Reservoir storage varies across the state; however, reservoir storage is at 95% of average for the entire state. See the 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
WYOMING AND SURROUNDING STATES					
ALCOVA	98	98	97	101	99
ANGOSTURA	46	51	96	48	90
BELLE FOURCHE	71	59	85	83	119
BIG SANDY	99	99	77	129	99
BIGHORN LAKE	59	66	64	92	89
BOYSEN	85	108	95	90	79
BUFFALO BILL	86	93	61	141	93
BULL LAKE	60	91	63	95	66
DEERFIELD	81	88	89	90	92
EDEN	51	93	60	85	55
ENNIS LAKE	85	86	86	98	98
FLAMING GORGE	80	79	81	99	101
FONTENELLE	76	72	53	144	105
GLENDO	82	89	99	82	93
GRASSY LAKE	91	63	95	97	146
GUERNSEY	61	63	79	77	97
HEBGEN LAKE	91	96	83	109	95
JACKSON LAKE	95	54	68	140	174
KEYHOLE	39	52	61	64	76
PACTOLA	73	77	88	83	96
PALISADES	76	83	74	103	92
PATHFINDER	30	21	76	39	143
PILOT BUTTE	54	85	77	70	63
SEMINOE	45	48	65	70	94
SHADEHILL	58	57	84	69	101
TONGUE RIVER	76	101	61	125	75
VIVA NAUGHTON RES	96	100	92	105	96
WHEATLAND #2	52	47	60	87	112
WOODRUFF NARROWS	100	83	70	142	120
TOTAL OF 29 RESERVOIRS	71	72	75	95	100

Raw KAF Totals Current= 9501 Last Year= 9540 Average= 10035 Capacity= 13300

Basin Summary of Snow Course Data

MAY 2006

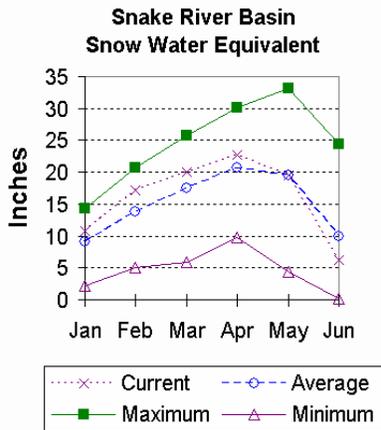
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
BALD MOUNTAIN SNOTEL	9380	6/01/06	0	.0	13.7	16.7
BASE CAMP SNOTEL	7030	6/01/06	0	.0	.0	.0
BATTLE MTN. SNOTEL	7440	6/01/06	0	.0	.0	.0
BEARTOOTH LK. SNOTEL	9280	6/01/06	36	13.5	11.2	20.1
BEAR TRAP SNOTEL	8200	6/01/06	0	.0	.2	.0
BIG GOOSE SNOTEL	7760	6/01/06	0	.0	.0	2.7
BIG SANDY SNOTEL	9080	6/01/06	0	.0	.0	1.4
BLACKWATER SNOTEL	9780	6/01/06	---	12.5	11.3	24.7
BLIND BULL SNOTEL	8900	6/01/06	18	8.4	7.9	17.8
BLIND PARK SNOTEL	6870	6/01/06	0	.0	.0	.0
BONE SPGS. SNOTEL	9350	6/01/06	0	.0	10.6	8.2
BROOKLYN LK. SNOTEL	10220	6/01/06	0	.0	3.8	11.6
BURGESS JCT. SNOTEL	7880	6/01/06	0	.0	.0	2.6
BURROUGHS CRK SNOTEL	8750	6/01/06	0	.0	2.0	3.4
CANYON SNOTEL	8090	6/01/06	0	.0	.0	1.3
CASPER MTN. SNOTEL	7850	6/01/06	0	.0	.0	4.2
CHALK CK #1 SNOTEL	9100	6/01/06	8	3.4	8.2	12.0
CHALK CK #2 SNOTEL	8200	6/01/06	0	.0	.0	.8
CINNABAR PARK SNOTEL	9690	6/01/06	---	.0	1.1	.2
CLOUD PEAK SNOTEL	9850	6/01/06	0	.0	11.7	7.7
COLE CANYON SNOTEL	5910	6/01/06	0	.0	.0	.6
COLD SPRINGS SNOTEL	9630	6/01/06	0	.0	.0	1.1
COTTONWOOD CR SNOTEL	7700	6/01/06	0	.0	.0	5.1
CROW CREEK SNOTEL	8830	6/01/06	---	.0	.0	.0
DARBY CANYON	8250	5/31/06	6	2.1	--	12.2
DEER PARK SNOTEL	9700	6/01/06	0	.0	16.8	8.0
DIVIDE PEAK SNOTEL	8860	6/01/06	0	.0	.0	3.7
DOMELAKE SNOTEL	8880	6/01/06	0	.0	.0	3.2
EAST RIM DIV SNOTEL	7930	6/01/06	0	.0	.0	1.5
ELKHART PARK SNOTEL	9400	6/01/06	0	.0	.7	3.3
EVENING STAR SNOTEL	9200	6/01/06	23	10.8	11.7	26.7
GLADE CREEK	7040	5/30/06	0	.0	.0	--
GRANITE CRK SNOTEL	6770	6/01/06	0	.0	.0	.8
GRASSY LAKE SNOTEL	7270	6/01/06	18	6.7	.0	14.0
GRAVE SPRINGS SNOTEL	8550	6/01/06	0	.0	.0	1.8
GROS VENTRE SNOTEL	8750	6/01/06	0	.0	.0	3.7
HANSEN S.M. SNOTEL	8360	6/01/06	0	.0	.0	.2
HAMS FORK SNOTEL	7840	6/01/06	0	.0	.0	.0
HOBBS PARK SNOTEL	10100	6/01/06	0	.0	10.5	10.1
INDIAN CREEK SNOTEL	9430	6/01/06	---	10.3	17.2	14.7
JACKPINE CREEK	7350	5/31/06	7	2.0	--	--
KELLEY R.S. SNOTEL	8180	6/01/06	0	.0	.0	1.4
KENDALL R.S. SNOTEL	7740	6/01/06	0	.0	.0	.0
KIRWIN SNOTEL	9550	6/01/06	0	.0	3.5	5.5
LA PRELE SNOTEL	8380	6/01/06	0	.0	.0	.8
LEWIS LAKE SNOTEL	7850	6/01/06	34	16.7	.0	17.9
LEWIS LAKE DIVIDE	7850	5/30/06	48	24.9	.0	--
LITTLE WARM SNOTEL	9370	6/01/06	0	.0	.7	1.9
LOOMIS PARK SNOTEL	8240	6/01/06	0	.0	.0	2.3
MARQUETTE SNOTEL	8760	6/01/06	0	.0	1.5	4.2
MIDDLE POWDER SNOTEL	7760	6/01/06	0	.0	.0	2.6
NEW FORK SNOTEL	8340	6/01/06	0	.0	.0	.0
NORTH FRENCH SNOTEL	10130	6/01/06	28	12.0	17.3	23.9

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
NORTH RAPID CK SNTL	6130	6/01/06	0	.0	.0	.0
OLD BATTLE SNOTEL	9920	6/01/06	51	26.1	28.5	25.6
OWL CREEK SNOTEL	8980	6/01/06	0	.0	.9	.5
PARKERS PEAK SNOTEL	9400	6/01/06	12	4.8	8.3	18.5
PHILLIPS BNCH SNOTEL	8200	6/01/06	18	9.0	8.3	14.0
POWDER RVR.PASS SNTL	9480	6/01/06	0	.0	.0	2.3
RENO HILL SNOTEL	8500	6/01/06	0	.0	.0	3.4
SAGE CK BASIN SNTL	7850	6/01/06	0	.0	.0	2.1
SALT RIVER SNOTEL	7600	6/01/06	0	.0	.0	.0
SAND LAKE SNOTEL	10050	6/01/06	33	18.1	18.7	25.8
SANDSTONE RS SNOTEL	8150	6/01/06	---	.0	.0	.0
SHELL CREEK SNOTEL	9580	6/01/06	2	.8	12.9	10.4
SNAKE RV STA SNOTEL	6920	6/01/06	0	.0	.0	.0
SNIDER BASIN SNOTEL	8060	6/01/06	0	.0	.0	.0
SOUTH BRUSH SNOTEL	8440	6/01/06	0	.0	.0	1.7
SOUTH PASS SNOTEL	9040	6/01/06	0	.0	3.8	6.3
SPRING CRK. SNOTEL	9000	6/01/06	28	13.1	12.3	15.0
ST LAWRENCE ALT SNTL	8620	6/01/06	0	.0	.0	.7
SUCKER CREEK SNOTEL	8880	6/01/06	0	.0	6.6	3.6
SYLVAN LAKE SNOTEL	8420	6/01/06	0	.0	.0	11.4
SYLVAN ROAD SNOTEL	7120	6/01/06	0	.0	.0	.0
THUMB DIVIDE SNOTEL	7980	6/01/06	0	.0	.0	1.9
TIE CREEK SNOTEL	6870	6/01/06	0	.0	.0	.0
TIMBER CREEK SNOTEL	7950	6/01/06	0	.0	1.1	.5
TOGWOTEE PASS SNOTEL	9580	6/01/06	40	16.3	13.6	21.9
TOWNSEND CRK SNOTEL	8700	6/01/06	0	.0	.0	1.7
TRIPLE PEAK SNOTEL	8500	6/01/06	0	.0	.0	4.8
TWO OCEAN SNOTEL	9240	6/01/06	---	26.5	13.6	25.2
WEBBER SPRING SNOTEL	9250	6/01/06	0	.0	.9	6.5
WHISKEY PARK SNOTEL	8950	6/01/06	13	4.3	6.2	13.6
WILLOW CREEK SNOTEL	8450	6/01/06	---	.5	3.6	14.3
WINDY PEAK SNOTEL	7900	6/01/06	0	.0	.0	.1
WOLVERINE SNOTEL	7650	6/01/06	0	.0	.0	.0
YOUNTS PEAK SNOTEL	8350	6/01/06	0	.0	.0	7.0

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is below average. SWE in the Snake River Basin above Jackson Lake is 85% of average (367% of last year at this time). Pacific Creek Basin SWE is 105% of average (195% of last year). Gros Ventre River Basin SWE is 64% of average (88% of last year). SWE in the Hoback River drainage is 32% of average (106% of last year). SWE in the Greys River drainage is 42% of average (92% of last year). In the Salt River area SWE is 3% of average (14% of last year). SWE in the Snake River Basin above Palisades is 63% of average (151% of last year). See the Basin Summary of Snow Courses at the beginning of this report for a detailed listing of snow course information.

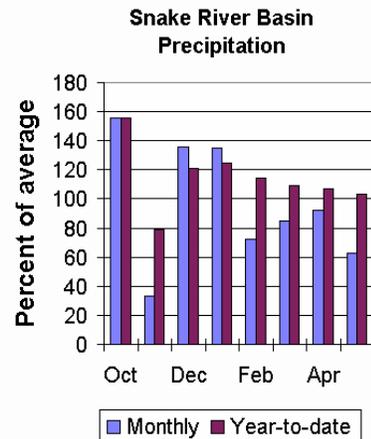


Precipitation

Precipitation across the basin was below average last month. Monthly precipitation for the basin was 63% of average (46% of last year); last month's percentages range from 23-106% of average for the 16 reporting stations. Water-year-to-date precipitation is 103% of average for the Snake River Basin (129% of last year). Year-to-date percentages range from 83-115% of average.

Reservoir

Currently, usable reservoir storage is 116% of average for the three storage reservoirs in the basin. Grassy Lake storage is about 97% of average (13,900 ac-ft compared to 9,500 last year). Jackson Lake storage is 140% of average (802,100 ac-ft compared to 460,100 ac-ft last year). Palisades Reservoir storage is about 103% of average (1,068,800 ac-ft compared to 1,158,700 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 520,000 ac-ft (90% of average). Snake above reservoir near Alpine is 1,650,000 ac-ft (90% of average). The Snake near Irwin is 2,270,000 ac-ft (91% of average). The Snake near Heise is 2,420,000 ac-ft (91% of average). Pacific Creek at Moran is 95,000 ac-ft (90% of average). Greys River above Palisades Reservoir is 230,000 ac-ft (94% of average). Salt River near Etna is 205,000 ac-ft (85% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - June 1, 2006

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	Chance of Exceeding (1000AF) (% AVG.)	* 50% (1000AF)	30% (1000AF)		10% (1000AF)
=====							
SNAKE nr Moran (1,2)							
JUN-JUL	370	420	440	90	460	510	490
JUN-SEP	450	500	520	90	540	590	580
SNAKE ab resv nr Alpine (1,2)							
JUN-JUL	1190	1270	1310	89	1350	1430	1470
JUN-SEP	1470	1590	1650	90	1710	1830	1840
SNAKE nr Irwin (1,2)							
JUN-JUL	1370	1640	1760	90	1880	2150	1950
JUN-SEP	1830	2130	2270	91	2410	2710	2500
SNAKE near Heise (2)							
JUN-JUL	1540	1730	1860	91	1990	2180	2050
JUN-SEP	2040	2270	2420	91	2570	2800	2650
PACIFIC CREEK at Moran							
JUN-JUL	77	85	90	90	95	103	100
JUN-SEP	83	90	95	90	100	107	106
GREYS above Palisades							
JUN-JUL	141	161	176	94	191	211	188
JUN-SEP	190	215	230	94	245	270	245
SALT near Etna							
JUN-JUL	98	122	138	85	154	180	162
JUN-SEP	159	185	205	85	225	250	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

SNAKE RIVER BASIN Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
GRASSY LAKE	15.2	13.9	9.5	14.4
JACKSON LAKE	847.0	802.1	460.1	572.6
PALISADES	1400.0	1068.8	1158.7	1033.6

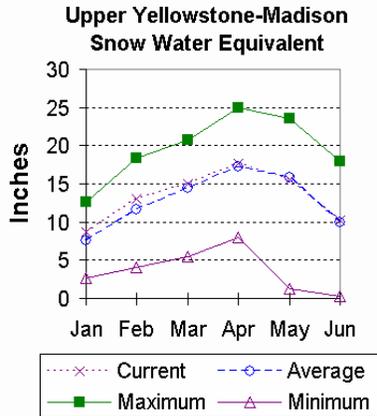
SNAKE RIVER BASIN Watershed Snowpack Analysis - June 1, 2006

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SNAKE above Jackson Lake	5	367	85
PACIFIC CREEK	2	195	105
GROS VENTRE RIVER	2	88	64
HOBACK RIVER	5	106	32
GREYS RIVER	4	92	42
SALT RIVER	3	14	3
SNAKE above Palisades	17	151	63

Yellowstone and Madison River Basins

Snow

Snowfall in these basins was good early this year and the SWE in Madison River Basin is about average for this month, but SWE in the Yellowstone River Basin is now below average. Snow water equivalent (SWE) is about 102% of average (231% of last year) in the Madison drainage. SWE in the Yellowstone drainage is about 68% of average (154% of last year at this time). See the "Snow Course Basin Summary" at the beginning of this document for more details on specific sites.



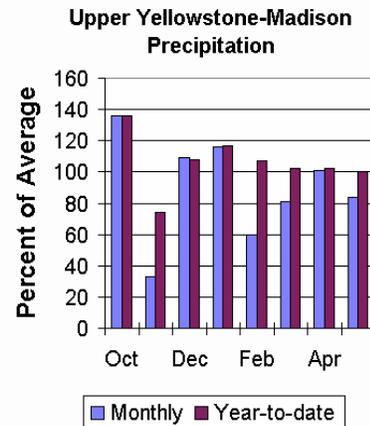
Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 84% of average (80% of last year) for the 5 reporting stations: percentage range was from 77-95% of average. Water-year-to-date precipitation is about 100% of average (134% of last year's amount); year to date percentage ranges from 96-106%.

Reservoir

Ennis Lake is storing about 34,700 ac-ft of water (85% of

capacity, 98% of average or 98% of last year's volume). Hebgen Lake is storing about 344,300 ac-ft of water (91% of capacity, 109% of average or 95% 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

Water supply is estimated to be slightly below average this summer. All the following yields are the 50% exceedance forecasts from June through September. Yellowstone at Lake Outlet is 655,000 ac-ft (94% of average). Yellowstone at Corwin Springs will yield around 1,300,000 ac-ft (89% of average). Yellowstone near Livingston will yield around 1,530,000 ac-ft (90% of average). Hebgen Reservoir inflow is 265,000 ac-ft (86% of average). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - June 1, 2006

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg
Forecast	90%		70%		Chance of Exceeding * 50%		(1000AF)
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
=====							
YELLOWSTONE at Lake Outlet							
JUN-JUL	350	415	460	95	505	570	485
JUN-SEP	535	605	655	94	705	775	695
YELLOWSTONE RIVER at Corwin Springs							
JUN-JUL	780	925	1020	90	1120	1260	1140
JUN-SEP	1010	1180	1300	89	1420	1590	1460
YELLOWSTONE RIVER near Livingston							
JUN-JUL	870	1050	1180	90	1310	1490	1310
JUN-SEP	1120	1360	1530	90	1700	1940	1700
HEBGEN Reservoir Inflow							
JUN-JUL	130	154	170	85	187	212	200
JUN-SEP	205	240	265	86	290	325	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

UPPER YELLOWSTONE & MADISON RIVER BASINS Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
ENNIS LAKE	41.0	34.7	35.4	35.3
HEBGEN LAKE	377.5	344.3	360.6	314.7

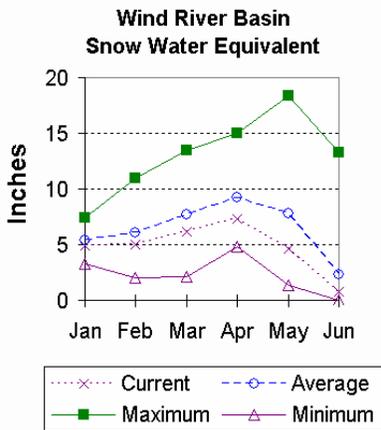
UPPER YELLOWSTONE & MADISON RIVER BASINS Watershed Snowpack Analysis - June 1, 2006

Watershed	Number of Data Sites	This Year as Percent of Last Year	Percent of Average
MADISON RIVER in WY	5	231	102
YELLOWSTONE RIVER in WY	8	154	68

Wind River Basin

Snow

The Wind River Basin SWE is way below average for this time of the year at 35% of average (46% of last year). SWE in the Wind River above Dubois is 60% of average (77% of last year at this time). The Little Wind SWE is 0% of average water content (0% of last year), and the Popo Agie drainage SWE is about 0% of average (0% of last year) as both basins are melted out. See the Basin Summary of Snow Course Data at the front of this report for details.



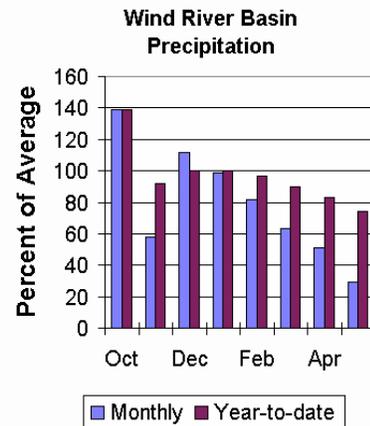
Precipitation

Last months precipitation in the basin varied widely from 9-52% of average. Precipitation for the basin was about 29% of average from the 8 reporting stations; that is about 21% of last year's amount. Water year-to-date precipitation is 74% of average and about 79% of last year at this time. Year-to-date percentages range from 55-83% of average.

Reservoirs

Current storage varies from 60-85% of average. Usable

storage in Bull Lake is currently about 90,600 ac-ft (60% of capacity) - last year the reservoir was at 91% of capacity at this time. Boysen Reservoir is storing about 85% of capacity (508,600 ac-ft) – last year the reservoir was at 108% of capacity at this time. Pilot Butte is at 54% of capacity (17,000 ac-ft) – last year the reservoir was at 85% of capacity at this time. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

Water supply is estimated to be well below average this year. The following values reflect the 50% exceedance forecasts for the June through September runoff period. Dinwoody Creek near Burris is 61,000 ac-ft (76% of average). The Wind River above Bull Lake Creek is 275,000 ac-ft (66% of average). Bull Lake Creek near Lenore is 98,000 ac-ft (65% of average). Wind River at Riverton will yield around 265,000 ac-ft (53% of average). Little Popo Agie River near Lander is around 23000 ac-ft (64% of average). South Fork of Little Wind near Fort Washakie will yield around 37,000 ac-ft (57% of average). Little Wind River near Riverton will yield around 125,000 ac-ft (56% of average). Boysen Reservoir inflow will yield around 270,000 ac-ft (44% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - June 1, 2006

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	
=====							
DINWOODY CREEK nr Burris							
JUN-JUL	28	34	38	72	42	49	53
JUN-SEP	45	55	61	76	68	77	80
WIND RIVER abv Bull Lake Cr (2)							
JUN-JUL	74	146	195	62	245	315	315
JUN-SEP	131	215	275	66	335	420	415
BULL LAKE CR near Lenore (2)							
JUN-JUL	50	64	73	62	82	96	118
JUN-SEP	69	86	98	65	110	127	152
WIND RIVER at Riverton (2)							
JUN-JUL	88	161	210	53	260	330	400
JUN-SEP	145	215	265	53	315	385	500
LT POPO AGIE RIVER nr Lander							
JUN-JUL	5.7	12.4	17.0	59	22	28	29
JUN-SEP	10.6	18.0	23	64	28	35	36
SF LT WIND nr Fort Washakie							
JUN-JUL	16.7	25	30	56	36	43	54
JUN-SEP	24	37	37	57	44	54	65
LT WIND RIVER nr Riverton							
JUN-JUL	9.0	52	100	53	148	218	188
JUN-SEP	16.0	72	125	56	178	255	225
BOYSEN RESERVOIR Inflow (2)							
JUN-JUL	84	168	225	44	283	368	516
JUN-SEP	63	186	270	44	355	475	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

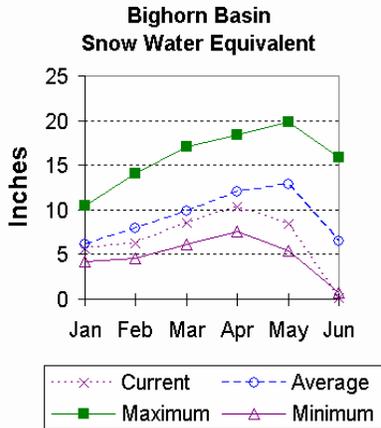
WIND RIVER BASIN				
Reservoir Storage (1000AF) End of May				
Reservoir	Usable	***** Usable Storage *****		
	Capacity	This Year	Last Year	Average
BULL LAKE	151.8	90.6	138.3	95.3
BOYSEN	596.0	508.6	641.8	566.0
PILOT BUTTE	31.6	17.0	26.8	24.2

WIND RIVER BASIN			
Watershed Snowpack Analysis - June 1, 2006			
Watershed	Number of	This Year as Percent of	
	Data Sites	Last Year	Average
WIND RIVER above Dubios	3	77	60
LITTLE WIND	2	0	0
POPO AGIE	4	0	0
WIND above Boysen Resv	7	46	35

Bighorn River Basin

Snow

The Bighorn River Basin SWE is below average at 2% (2% of last year). Nowood River is at 0% of average (0% of last year). Greybull River SWE is at 0% of average (0% of last year). Shell Creek SWE is 2% of average (2% of last year). These sites are melted out. For more information see Basin Summary of Snow Courses at beginning of report.



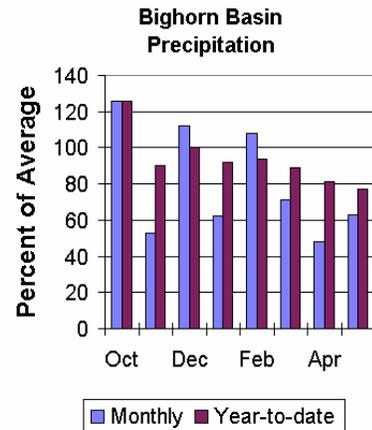
Precipitation

Last month's precipitation was 63% of average (38% of last year). Sites ranged from 18-92% of average for the month. Year-to-date precipitation is 77% of average; that is 78% of last year at this time. Year-to-date percentages, from the 10 reporting stations, range from 49-89%.

Reservoir

Boysen reservoir is currently storing 508,600 ac-ft (90% of average). Bighorn

Lake is now at 92% of average (796,000 ac-ft). Boysen is currently storing 79% of last year volume at this time and Big Horn Lake is storing 89% 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 well below average. Boysen Reservoir inflow is 270,000 ac-ft (44% of average); the Greybull River near Meeteetse should yield around 100,000 ac-ft (61% of average); Shell Creek near Shell should yield around 36,000 ac-ft (69% of average) and the Bighorn River at Kane should yield around 405,000 ac-ft (52% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - June 1, 2006

Forecast Pt	<=== Drier ===		Future Conditions		=== Wetter ===>		
Forecast	90%	70%	Chance of Exceeding		30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
=====							
BOYSEN RESERVOIR Inflow (2)							
JUN-JUL	84	168	225	44	283	368	516
JUN-SEP	63	186	270	44	355	475	609
GREYBULL RIVER nr Meeteetse							
JUN-JUL	33	50	62	56	74	91	110
JUN-SEP	60	84	100	61	116	140	163
SHELL CREEK nr Shell							
JUN-JUL	18.2	23	26	65	29	34	40
JUN-SEP	26	32	36	69	40	46	52
BIGHORN RIVER at Kane (2)							
JUN-JUL	7.0	245	350	52	465	635	675
JUN-SEP	8.0	285	405	52	540	740	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

BIGHORN RIVER BASIN Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
BOYSEN	596.0	508.6	641.8	566.0
BIGHORN LAKE	1356.0	796.0	897.4	867.1

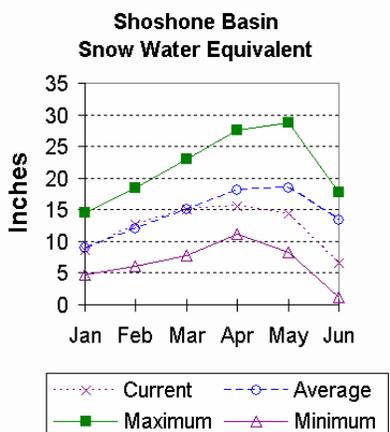
BIGHORN RIVER BASIN Watershed Snowpack Analysis - June 1, 2006

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	2	2
BIGHORN (Boysen-Bighorn)	7	2	2

Shoshone and Clarks Fork River Basin

Snow

Snow Water Equivalent (SWE) is 31% of average (95% of last year) in the Shoshone River Basin. The Clarks Fork River Basin SWE is 70% of average (128% of last year). For more information see the Basin Summary of Snow Course Data at the beginning of this report.



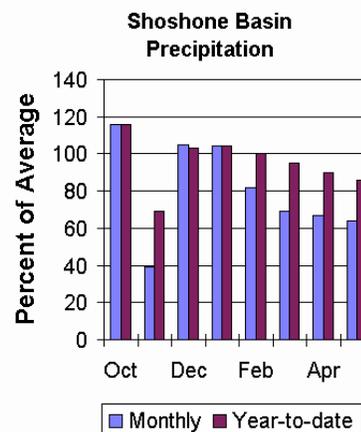
Precipitation

Precipitation for last month was 64% of average (47% of last year). Monthly percentages range from 16-104% of average. The basin year-to-date precipitation is now 86% of average (111% of last year). Year-to-date percentages from the 8 reporting stations range from 52-99% of average.

Reservoir

Current storage in Buffalo Bill Reservoir is about 141% of average (93% of last

year's storage); the reservoir is at about 86% of capacity. Currently, about 559,000 ac-ft are stored in the reservoir compared to 598,300 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

Water supply is estimated to be below average this year. The following values are the 50% exceedance forecasts for the June through September period. The North Fork Shoshone River at Wapiti is 230,000 ac-ft (63% of average). The South Fork of the Shoshone River near Valley is 123,000 ac-ft (59% of average), and the South Fork above Buffalo Bill Reservoir runoff is 100,000 ac-ft (58% of average). The Buffalo Bill Reservoir inflow is expected to yield around 380,000 ac-ft (64% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 295,000 ac-ft (66% of average). See the following page for detailed runoff volumes.

SHOSHONE & CLARKS FORK RIVER BASINS

Streamflow Forecasts - June 1, 2006

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	* (1000AF)	
NF SHOSHONE RIVER at Wapiti							
JUN-JUL	66	140	190	62	240	315	305
JUN-SEP	91	174	230	63	285	370	365
SF SHOSHONE RIVER nr Valley							
JUN-JUL	62	84	99	58	114	136	172
JUN-SEP	75	104	123	59	142	171	210
SF SHOSHONE RIVER abv Buffalo Bill							
JUN-JUL	29	66	92	56	118	155	163
JUN-SEP	27	71	100	58	129	173	174
BUFFALO BILL DAM Inflow (2)							
JUN-JUL	243	290	320	62	350	395	515
JUN-SEP	290	345	380	64	415	470	595
CLARKS FORK RIVER nr Belfry							
JUN-JUL	101	196	260	67	325	420	390
JUN-SEP	109	220	295	66	370	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

SHOSHONE & CLARKS FORK RIVER BASINS Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
BUFFALO BILL	646.6	559.0	598.3	395.7

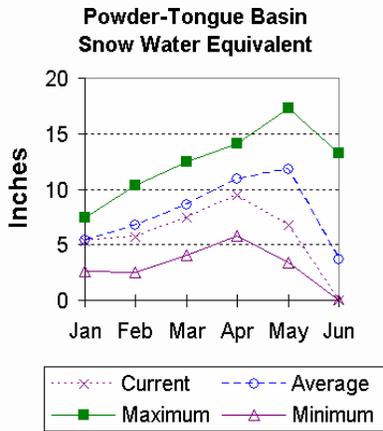
SHOSHONE & CLARKS FORK RIVER BASINS Watershed Snowpack Analysis - June 1, 2006

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	95	31
CLARKS FORK in WY	7	128	70

Powder and Tongue River Basins

Snow

SWE in the Powder and Tongue River Basins are way below average this year. Snow water equivalent (SWE) in the Upper Tongue River drainage is 3% of average (3% of last year). Powder River basin SWE, in Wyoming is melted out. For more information see Basin Summary of Snow Courses at beginning of report.



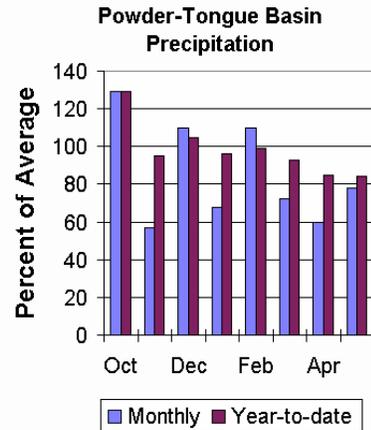
Precipitation

Last month's precipitation was 78% of average for the 10 reporting stations (49% of last year). Monthly percentages range from 70-92% of average. Year-to-date precipitation is 87% of average in the basin; this is 100% of last year. Precipitation for the year ranges from 72-92% of average at the 10 reporting stations.

Reservoir

Tongue River Reservoir is at 125% of average (75% of

last year and 76% of capacity). Current storage is 60,000 ac-ft. Last year at this time the reservoir was storing about 79,500 ac-ft (average storage is about 48,000 ac-ft at this time). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

Water supply is estimated to be below average this year. The following runoff values are the 50% probability forecasts for the June through September period. The yield for Tongue River near Dayton is 46,000 ac-ft (65% of average). Little Goose Creek near Bighorn is 18,800 ac-ft (65% of average). The Tongue River Inflow is 76,000 ac-ft (50% of average). The Middle Fork of the Powder River near Barnum is 4,400 ac-ft (64% of average). The North Fork of the Powder River near Hazelton should yield around 3,400 ac-ft (58% of average). The estimated yield for Clear Creek near Buffalo is 17,000 ac-ft (61% of average). Rock Creek near Buffalo will yield about 10,500 ac-ft (66% of average), and Piney Creek at Kearny should yield about 17,300 ac-ft (54% of average). May through September values for the Powder River at Moorehead is 67,000 ac-ft (52% of average). The Powder River near Locate is 72,000 ac-ft 51% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - June 1, 2006

<=== Drier === Future Conditions === Wetter ===>							
Forecast Pt	Chance of Exceeding *						30 Yr Avg
Forecast	90%	70%	50%	30%	10%		
Period	(1000AF)	(1000AF)	(1000AF) (% AVG.)	(1000AF)	(1000AF)	(1000AF)	
=====							
TONGUE RIVER nr Dayton (2)							
JUN-JUL	17.0	28	35	60	42	53	58
JUN-SEP	25	38	46	65	54	67	71
LITTLE GOOSE CREEK nr Big Horn							
JUN-JUL	6.7	10.1	12.4	59	14.7	18.1	21
JUN-SEP	10.5	15.5	18.8	65	22	27	29
TONGUE RIVER RESERVOIR Inflow (2)							
JUN-JUL	10.0	39	59	47	79	108	126
JUN-SEP	16.0	52	76	50	100	136	153
MIDDLE FORK POWDER nr Barnum							
JUN-JUL	0.1	1.9	3.5	59	5.1	7.4	5.9
JUN-SEP	0.3	2.8	4.4	64	6.0	8.5	6.9
NORTH FORK POWDER nr Hazelton							
JUN-JUL	0.6	1.9	2.8	55	3.7	5.0	5.1
JUN-SEP	0.9	2.4	3.4	58	4.4	5.9	5.9
CLEAR CREEK nr Buffalo							
JUN-JUL	5.0	10.1	13.6	62	17.0	22	22
JUN-SEP	6.9	13.0	17.0	61	21	27	28
ROCK CREEK nr Buffalo							
JUN-JUL	2.1	5.0	7.0	58	9.0	11.9	12.0
JUN-SEP	4.7	8.2	10.5	66	12.8	16.3	15.9
PINEY CREEK at Kearny							
JUN-JUL	2.3	9.3	14.0	48	18.7	26	29
JUN-SEP	2.1	11.1	17.3	54	24	33	32
POWDER RIVER at Moorehead							
JUN-JUL	2.0	22	48	46	74	113	105
JUN-SEP	6.0	40	67	52	94	134	128
POWDER RIVER near Locate							
JUN-JUL	19.0	43	59	51	75	100	116
JUN-SEP	23	52	72	51	92	121	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

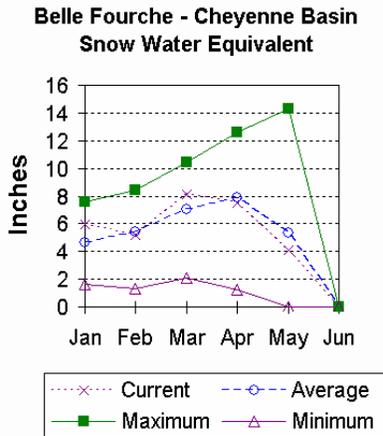
POWDER & TONGUE RIVER BASINS				
Reservoir Storage (1000AF) End of May				
Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
TONGUE RIVER	79.1	60.0	79.5	48.0

POWDER & TONGUE RIVER BASINS			
Watershed Snowpack Analysis - June 1, 2006			
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	7	3	3
GOOSE CREEK	2	0	0
CLEAR CREEK	2	0	0
CRAZY WOMAN CREEK	1	0	0
UPPER POWDER RIVER	3	0	0
POWDER RIVER in WY	5	0	0

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin is melted out. See the Basin summary of Snow Course Data at the beginning of this report for a detailed listing.



Precipitation

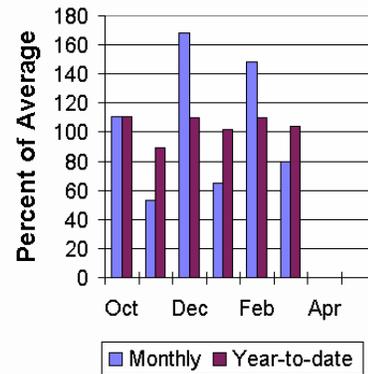
Precipitation for last month was 139% of average or 91% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 118-173%. Year-to-date precipitation is 129% of average and 143% of last year's amount.

Reservoir

Current reservoir storage is around 69% of average in the basin. Angostura is

currently storing 48% of average (56,300 ac-ft), about 46% of capacity. Belle Fourche reservoir is storing 83% of average (126,000 ac-ft), about 71% of capacity. Deerfield reservoir is storing 90% of average (12,300 ac-ft), about 81% of capacity. Keyhole reservoir is storing 64% of average (76,100 ac-ft), about 39% of capacity. Pactola reservoir is storing 83% of average (40,400 ac-ft), about 73% of capacity. Shadehill reservoir is storing 69% of average (47,200 ac-ft), about 58% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Belle Fourche - Cheyenne Basin Precipitation



Streamflow

The following runoff values are the 50% probability forecasts for the June through July period. The Deerfield Reservoir Inflow is 2,200 ac-ft (122% of average). Pactola Reservoir Inflow is expected to yield around 11,700 ac-ft (130% of average). See the following page for detailed runoff volumes.

BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - June 1, 2006

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
DEERFIELD RESERVOIR Inflow							
JUN-JUL	0.6	1.6	2.2	122	2.8	3.8	1.8
PACTOLA RESERVOIR Inflow							
JUN-JUL	1.4	7.5	11.7	130	15.9	22	9.0

* 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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
ANGOSTURA	122.1	56.3	62.3	117.2
BELLE FOURCHE	178.4	126.0	105.6	152.3
DEERFIELD	15.2	12.3	13.3	13.6
KEYHOLE	193.8	76.1	100.2	118.9
PACTOLA	55.0	40.4	42.3	48.6
SHADEHILL	81.4	47.2	46.8	68.7

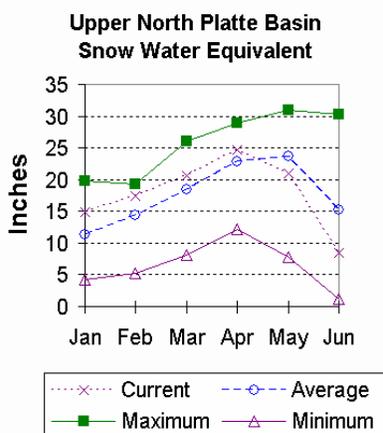
BELLE FOURCHE & CHEYENNE RIVER BASINS Watershed Snowpack Analysis - June 1, 2006

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

Upper North Platte River Basin

Snow

SWE in the Upper North Platte River Basin has dropped way below average this year. The snow courses above Seminoe Reservoir have about 55% of average snow water equivalent (SWE) recorded for this time of the year or 84% of last year. SWE in the drainage area above Northgate is about 58% of average or 89% of last year at this time. SWE in the Encampment River drainage is about 67% of average or 85% of last year. Brush Creek SWE for the year is about 47% of average or 69% of last year's SWE. Medicine Bow and Rock Creek drainages SWE are about 48% of average or 80% of last year at this time. For more information see Basin Summary of Snow Courses at the beginning of this report.



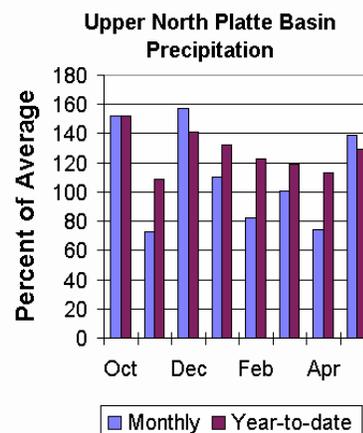
Precipitation

Eight reporting stations indicate last month's precipitation was 45% of average or 40% of last year's amount. Monthly precipitation varied from 34-54% of average. Total water-year-to-date precipitation is about 103% of average for the basin, which is about 109% of last year's amount. Year to date percentage ranges from 86-113% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 460,200 ac-ft or 45%

of capacity. Seminoe Reservoir is also storing about 70% of average for this time of the year and 94% 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

Water supply is estimated to be below average the rest of the year. The following yields are the 50% exceedance forecasts for the June through September period. Yield for the North Platte River near Northgate will be around 98,000 ac-ft (62% of average). The Encampment River near Encampment is 89,000 ac-ft (82% of average). Rock Creek near Arlington is 24,000 ac-ft (59% of average). Sweetwater River near Alcova runoff is 24,000 ac-ft (62% of average). Seminoe Reservoir inflow should be around 335,000 ac-ft (67% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - June 1, 2006

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	Chance of Exceeding *	
=====							
NORTH PLATTE RIVER nr Northgate							
JUN-JUL	37	60	80	60	102	140	133
JUN-SEP	43	73	98	62	126	173	159
ENCAMPMENT RIVER nr Encampment							
JUN-JUL	52	69	80	81	91	108	99
JUN-SEP	58	76	89	82	102	120	108
ROCK CREEK nr Arlington							
JUN-JUL	16.7	19.8	22	58	24	28	38
JUN-SEP	18.0	22	24	59	27	31	41
SWEETWATER RIVER nr Alcova							
JUN-JUL	7.6	14.9	19.9	60	25	32	33
JUN-SEP	9.4	17.9	24	62	30	39	39
SEMINOE RESERVOIR Inflow							
JUN-JUL	184	245	290	67	335	395	435
JUN-SEP	260	305	335	67	365	410	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

UPPER NORTH PLATTE RIVER BASIN Reservoir Storage (1000AF) End of May

Reservoir	Usable	***** Usable Storage *****		Average
	Capacity	This Year	Last Year	
SEMINOE	1016.7	460.2	487.2	658.3

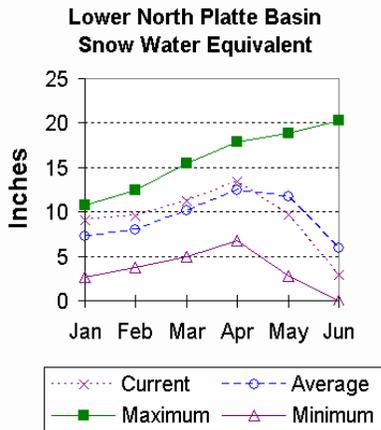
UPPER NORTH PLATTE RIVER BASIN Watershed Snowpack Analysis - June 1, 2006

Watershed	Number of	This Year as Percent of	
	Data Sites	Last Year	Average
N PLATTE above Northgate	5	89	58
ENCAMPMENT RIVER	3	85	67
BRUSH CREEK	2	69	47
MEDICINE BOW & ROCK CREEKS	2	80	48
N PLATTE above Seminoe	13	84	55

Lower North Platte River Basin

Snow

SWE for the Lower North Platte River Basin is below average at 50% (77% of last year). The Sweetwater, Deer and LaPrele Creek, and the Little Laramie River drainage SWE is currently melted out. SWE for the North Platte above the Laramie River drainage is 50% of average (72% of last year). SWE for the Laramie River above Laramie is 20% of average (30% of last year). The Laramie River above mouth, SWE is 15% of average (26% of last year). For more information see Basin Summary of Snow Courses at the beginning of this report.



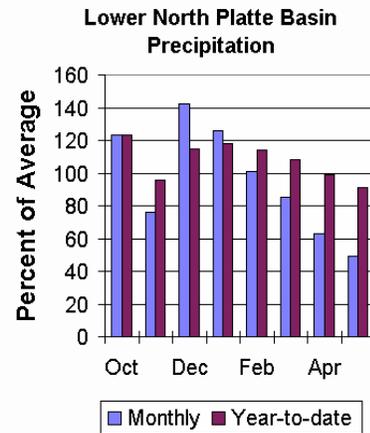
Precipitation

Last month's precipitation was 49% of average and 46% of last year's amount. Of the 8 reporting stations, percentages for the month range from 24-80%. The water year-to-date precipitation for the basin is currently 91% of average (103% of last year). Year-to-date percentages range from 76-146%.

Reservoir

The Lower North Platte River Basin reservoir storage is below average at 65%. Reservoir storage is as

follows: Alcova 179,700 ac-ft (101% of average); Glendo 415,100 ac-ft (82% of average); Guernsey 27,800 ac-ft (77% of average); Pathfinder 301,500 ac-ft (39% of average); Seminoe 460,200 ac-ft (70% of average); and Wheatland #2 51,500 ac-ft (87% of average).



Streamflow

Water supply is estimated to be way below average this year. 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 24,000 ac-ft (62% of average). LaPrele Creek above the reservoir is forecast to yield 2,000 ac-ft (39% of average). North Platte Alcova to Orin Gain 15,800 ac-ft (48% of average). North Platte River below Guernsey Reservoir is 280,000 ac-ft (60% of average), and below Glendo Reservoir is anticipated to yield around 310,000 ac-ft (62% of average). Laramie River near Woods Landing should yield around 52,000 ac-ft (58% of average). The Little Laramie River near Filmore should produce about 33,000 ac-ft (70% of average). See the following table for more detailed information on projected runoff.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - June 1, 2006

<=== Drier === Future Conditions === Wetter ===>							
Forecast Pt	Chance of Exceeding *						30 Yr Avg
Forecast	90%	70%	50%	30%	10%		
Period	(1000AF)	(1000AF)	(1000AF) (% AVG.)	(1000AF)	(1000AF)	(1000AF)	
SWEETWATER RIVER nr Alcova							
JUN-JUL	7.6	14.9	19.9	60	25	32	33
JUN-SEP	9.4	17.9	24	62	30	39	39
LaPRELE CREEK abv Reservoir							
JUN-JUL	0.0	0.1	1.7	36	3.4	5.9	4.9
JUN-SEP	0.0	0.3	2.0	39	3.7	6.2	5.2
NORTH PLATTE - Alcova to Orin Gain							
JUN-JUL	0.3	3.0	11.7	47	20	33	25
JUN-SEP	1.6	6.4	15.8	48	25	39	33
NORTH PLATTE RIVER blw Glendo Res							
JUN-JUL	153	220	265	60	310	375	440
JUN-SEP	162	230	280	60	330	400	470
NORTH PLATTE RIVER blw Guernsey Res							
JUN-JUL	146	226	280	62	335	415	450
JUN-SEP	163	250	310	62	370	455	500
LARAMIE RIVER nr Woods							
JUN-JUL	3.1	25	43	56	62	89	77
JUN-SEP	2.7	31	52	58	73	102	89
LITTLE LARAMIE RIVER nr Filmore							
JUN-JUL	10.5	22	30	71	38	49	42
JUN-SEP	11.8	24	33	70	41	54	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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Reservoir Storage (1000AF) End of May

Reservoir	Usable Capacity		Usable Storage	
	This Year	Last Year	Last Year	Average
ALCOVA	184.3	179.7	181.1	178.8
GLENDO	506.4	415.1	448.6	503.4
GUERNSEY	45.6	27.8	28.6	36.2
PATHFINDER	1016.5	301.5	210.2	775.1
SEMINOE	1016.7	460.2	487.2	658.3
WHEATLAND #2	98.9	51.5	46.0	59.0

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

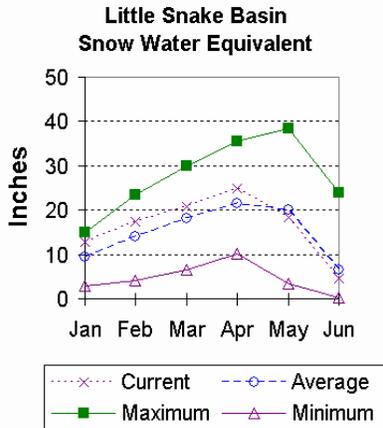
Watershed Snowpack Analysis - June 1, 2006

Watershed	Number of Data Sites		This Year as Percent of Last Year	
	This Year	Last Year	Last Year	Average
SWEETWATER	2	2	0	0
DEER & LaPRELE CREEKS	2	2	0	0
N PLATTE abv Laramie R.	17	17	72	50
LARAMIE RIVER abv Laramie	5	5	30	20
LITTLE LARAMIE RIVER	2	2	0	0
LARAMIE RIVER above mouth	6	6	26	15
NORTH PLATTE	17	17	77	50

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 69% of average (88% of last year at this time). For more information see Basin Summary of Snow Courses at beginning of this report.



Precipitation

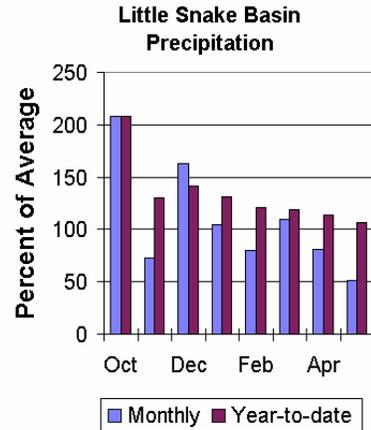
Precipitation across the basin was below average this past month. Last Month's precipitation was 51% of average (45% of last year) for the 5 reporting stations. Last month's precipitation ranged from 26-70% of average. The Little Snake River Basin water-year-to-date precipitation is currently 107% of average (110% of last year). Year-to-date percentages range from 95-119% of average.

Reservoir

High Savery Dam - Pending

Streamflow

The 50% exceedance forecast for the Little Snake River drainage is expected to be below average this year. Stream yields are based on the 50% exceedance forecast for the June through July period. The Little Snake River near Slater should yield around 47,000 ac-ft (66% of average). The Little Snake River near Dixon is estimated to yield around 80,000 ac-ft (60% of average). See the following table for more detailed information on projected runoff.



LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - June 1, 2006

```

=====
Forecast Pt | <=== Drier === Future Conditions === Wetter ===> |
Forecast | ===== Chance of Exceeding * ===== |
Period | (1000AF) (1000AF) | (1000AF) (% AVG.) | (1000AF) (1000AF) | 30 Yr Avg |
| | | | | | | | | (1000AF) |
=====
Little Snake River nr Slater
APR-JUL 135 146 154 97 162 176 159
JUN-JUL 29 39 47 66 55 70 71

Little Snake River nr Dixon
APR-JUL 220 240 255 75 270 305 340
JUN-JUL 42 63 80 60 99 129 133
  
```

* 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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

```

=====
LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - June 1, 2006
=====
  
```

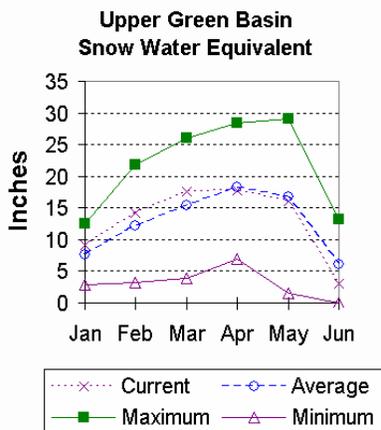
```

=====
Watershed | Number of | This Year as Percent of |
| Data Sites | Last Year | Average |
=====
LITTLE SNAKE RIVER | 6 | 88 | 69 |
=====
  
```

Upper Green River Basin

Snow

Snow water equivalent (SWE) is about average in the Upper Green River drainage this year. The Green River Basin above Warren Bridge, Newfork River Basin, and the Big Sandy-Eden Valley Basin are melted out. SWE on the west side of the Upper Green River Basin is about 61% of average (85% of last year). SWE in the Green River Basin above Fontenelle Reservoir is about 50% of average (83% of last year). For more information see the Basin Summary of Snow Courses at the beginning of this report.



Eden Reservoir is approximately 6,000 ac-ft? Fontenelle Reservoir is 261,200 ac-ft or 76% of capacity and 144% of average. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

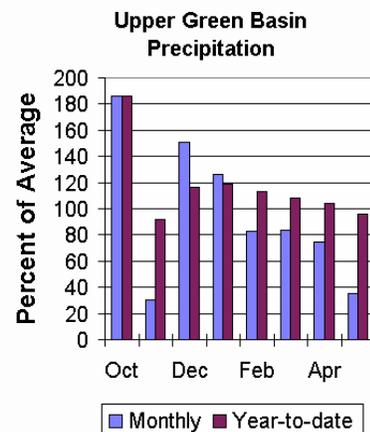
The 50% exceedance forecasts for the June through July runoff period in the Upper Green River Basin are forecast to be below average. The yield on the Green River at Warren Bridge is around 128,000 ac-ft (69% of average). Pine Creek above Fremont Lake is 60,000 ac-ft (71% of average). New Fork River near Big Piney is 175,000 ac-ft (60% of average). Fontenelle Reservoir Inflow is estimated to be 375,000 ac-ft (66% of average), and Big Sandy near Farson is expected to be around 25,000 ac-ft (64% of average). See the following table for more detailed information on projected runoff.

Precipitation

The 11 reporting precipitation sites in the basin were 35% of average last month (22% of last year). Last month's precipitation varied from 10-70% of average. Water year-to-date precipitation is about 107% of average (110% of last year). Year to date percentage of average ranges from 95-119% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 37,800 ac-ft or 99% of capacity and 129% of average.



UPPER GREEN RIVER BASIN

Streamflow Forecasts - June 1, 2006

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt  ===== Chance of Exceeding * =====
Forecast    90%      70%      50%      30%      10%      30 Yr Avg
Period      (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
=====
Green River at Warren Bridge
  APR-JUL   191    210    220    83    235    255    265
  JUN-JUL    97    115    128    69    141    164    186
Pine Creek abv Fremont Lake
  APR-JUL    82     90     97    93    104    114    104
  JUN-JUL    45     55     60    71     67     77     84
New Fork River nr Big Piney
  APR-JUL   265    300    320    81    350    385    395
  JUN-JUL   120    152    175    60    199    240    293
Fontenelle Reservoir Inflow
  APR-JUL   570    635    690    80    750    845    860
  JUN-JUL   250    320    375    66    435    525    570
Big Sandy River nr Farson
  APR-JUL    37     42     46    79     50     58     58
  JUN-JUL   19.9    21     25    64     29     37     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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

UPPER GREEN RIVER BASIN Reservoir Storage (1000AF) End of May

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
=====
Reservoir
BIG SANDY          38.3          37.8          38.0          29.4
EDEN               11.8           6.0          11.0           7.1
FONTENELLE        344.8         261.2         248.3         181.9
=====

```

UPPER GREEN RIVER BASIN Watershed Snowpack Analysis - June 1, 2006

```

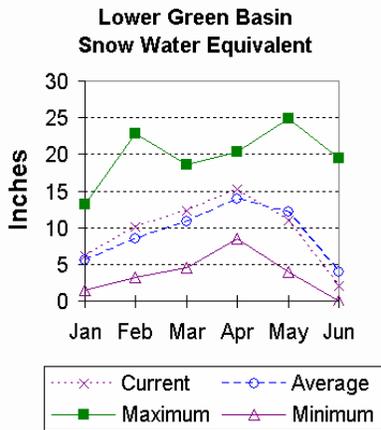
=====
Number of This Year as Percent of
Data Sites Last Year Average
=====
Watershed
GREEN above Warren Bridge      4          0          0
UPPER GREEN (West Side)        5          85         61
NEWFORK RIVER                  2          0          0
BIG SANDY/EDEN VALLEY          1          0          0
GREEN above Fontenelle        11          83         50
=====

```

Lower Green River Basin

Snow

SWE in the Lower Green River Basin is slightly below average now for this year. SWE in the Hams Fork Basin is 64% of average (60% of last year). Blacks Fork Basin SWE is currently 61% of average 80% of last year). The Henrys Fork drainage is melted out. SWE in the Green River Basin above Flaming Gorge is 50% of average (83% of last year). For more information see Basin Summary of Snow Courses at beginning of this report.



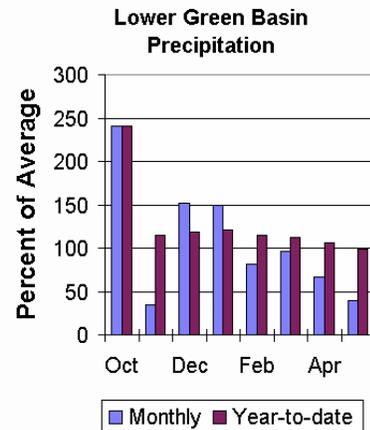
Precipitation

Precipitation was below average for the 3 reporting stations during last month at 40% of average or 28% of last year. Precipitation ranged from 36-44% of average for the month. The basin year-to-date precipitation is currently 99% of average (96% of last year). Year-to-date percentages range from 96-101%.

Reservoir

Fontenelle Reservoir is currently storing

261,200 ac-ft; this is 144% of average (105% of last year). Flaming Gorge is currently storing 3,009,000 ac-ft; this is 99% of average (101% of last year). Viva Naughton is storing 40,800 ac-ft or 96% of capacity and 105% of average.



Streamflow

The following values are the 50% exceedance forecasts for the June through July period. The Green River near Green River is forecast to yield about 375,000 ac-ft (65% of average). The Blacks Fork near Robertson is forecast to yield 46,000 ac-ft (69% of average). East Fork of Smiths Fork near Robertson is forecast to yield 19,500 ac-ft (93% of average). The yield for Hams Fork near Frontier is 27,000 ac-ft (82% of average). The Hams Fork Inflow to Viva Naughton Reservoir is 30,000 ac-ft (82% of average). The Flaming Gorge Reservoir inflow will be about 550,000 ac-ft (76% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - June 1, 2006

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt  ===== Chance of Exceeding * =====
Forecast    90%      70%      50%      30%      10%      30 Yr Avg
Period      (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
=====
Green River nr Green River, WY (2)
  APR-JUL    570      650      700      80      760      860      875
  JUN-JUL    245      320      375      65      435      535      580
Blacks Fork nr Robertson
  APR-JUL     65      76      85      90      94      110      95
  JUN-JUL     26      38      46      69      56      72      67
EF of Smiths Fork nr Robertson
  APR-JUL    15.9      21      24      83      28      34      29
  JUN-JUL    11.3     16.0     19.5     93      23      30      21
Hams Fk blw Pole Ck nr Frontier
  APR-JUL     57      62      66     102      70      78      65
  JUN-JUL    16.8      22      27      82      31      38      33
Hams Fork Inf to Viva Naughton Res
  APR-JUL     78      86      93     105     101     112      89
  JUN-JUL    15.7      24      30      82      37      49      37
Flaming Gorge Reservoir Inflow (2)
  APR-JUL    715      845      950     80     1060     1250     1190
  JUN-JUL    320      455      555      76     665      845      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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

LOWER GREEN RIVER BASIN Reservoir Storage (1000AF) End of May

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
=====
Reservoir
=====
FONTENELLE      344.8      261.2      248.3      181.9
FLAMING GORGE  3749.0     3009.0     2974.0     3040.0
VIVA NAUGHTON RES  42.4       40.8       42.4       39.0
=====

```

LOWER GREEN RIVER BASIN Watershed Snowpack Analysis - June 1, 2006

```

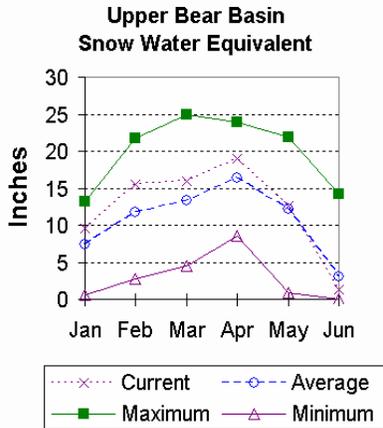
=====
Number of This Year as Percent of
Data Sites Last Year Average
=====
Watershed
=====
HAMS FORK RIVER      3      60      64
BLACKS FORK          2      80      61
HENRYS FORK          2       0       0
GREEN above Flaming Gorge 18     83     50
=====

```

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin is below average now. Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 27% of average; that is about 37% of last year at this time. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 64% of average (60% of last year). Bear River Basin SWE, above the Idaho State line, is 43% of average and 48% of last year. See the Basin Summary of Snow Course Data at the beginning of this report for more detailed information.



about 57,300 ac-ft (142% of average). Current reservoir storage is about 100% of capacity. Reservoir storage last year at this time was 47,800 ac-ft at this time.

Streamflow

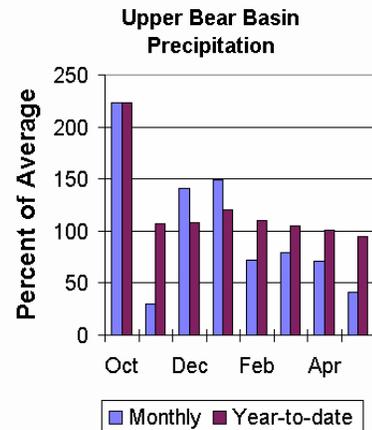
The following 50% exceedance forecasts are for the June through September period. The Bear River near the Utah-Wyoming State Line is 65,000 ac-ft (79% of average). The Bear River above Woodruff Reservoir is 58,000 ac-ft (82% of average). The Smiths Fork River near Border is 69,000 ac-ft (90% of average). See the following table for more detailed information on projected runoff.

Precipitation

Precipitation for last month was 41% of average for the 2 reporting stations; this is 29% of the precipitation received last year. The year-to-date precipitation for the basin is 95% of average; this is 99% of last year's amount.

Reservoir

Storage in Woodruff Narrows reservoir is



UPPER BEAR RIVER BASIN

Streamflow Forecasts - June 1, 2006

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt  ===== Chance of Exceeding * =====
Forecast     90%      70%      50%      30%      10%      30 Yr Avg
Period       (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
=====
Bear River nr UT-WY State Line
APR-JUL      102      110      116      103      122      130      113
APR-SEP      110      119      126      101      133      142      125
JUN-JUL      41       49       55       79       61       69       70
JUN-SEP      49       58       65       79       72       81       82
Bear River ab Reservoir nr Woodruff
APR-JUL      89      107      120      88      133      151      136
APR-SEP      94      112      125      88      138      156      142
JUN-JUL      32       45       53       83       61       74       64
JUN-SEP      36       49       58       82       67       80       71
Smiths Fork nr Border
APR-JUL      99      103      105      102      107      111      103
APR-SEP     114      119      122      101      125      130      121
JUN-JUL      46       50       52       85       54       58       61
JUN-SEP      61       66       69       90       72       77       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. The value listed under 30% is actually a 25% exceedance level. The value listed under 70% is actually a 75% exceedance level. Forecast issued in cooperation with Alberta Environment.

```

=====
UPPER BEAR RIVER BASIN
Reservoir Storage (1000AF) End of May
=====

```

```

Reservoir          Usable ***** Usable Storage *****
                   Capacity   This Year   Last Year   Average
=====
WOODRUFF NARROWS          57.3          57.3          47.8          40.3
=====

```

```

=====
UPPER BEAR RIVER BASIN
Watershed Snowpack Analysis - June 1, 2006
=====

```

```

Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Average
=====
UPPER BEAR RIVER in Utah          5          37          27
SMITHS & THOMAS FORKS          3          60          64
BEAR RIVER abv ID line          6          48          43
NORTHWEST          47          107          55
NORTHEAST          11          0          0
SOUTHEAST          20          74          44
SOUTHWEST          25          68          48
=====

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Issued by

Bruce Knight, Chief
U.S. Department of Agriculture
Natural Resources Conservation Service
Washington D.C.

Released by

Adolfo Perez Jr.
State Conservationist
N R C S
Casper, Wyoming

