



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Wyoming Basin Outlook Report May 1, 2010



Basin Outlook Reports

And

Federal - State - Private

Cooperative Snow Surveys

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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.

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Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is below average for May 1st at 74%. April precipitation for the basins varied from 101-180% of average. Year-to-date precipitation for Wyoming basins varied from 66-113% of average. Forecasted runoff varies from 41-114% of average across the Wyoming basins for an overall average of 64%. Basin reservoir levels for Wyoming vary from 89-201% of average for an overall average of 123%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below average for this time of year at 74%. SWE in the NW portion of Wyoming is now about 64% of average (60% of last year). NE Wyoming SWE is currently about 68% of average (65% of last year). The SE Wyoming SWE is currently about 93% of average (90% of last year). The SW Wyoming SWE is about 70% of average (70% of last year).

Precipitation

Last month's precipitation was above average across Wyoming. The Big Horn Basin had the lowest precipitation for the month at 101% of average. The Little Snake River Basin had the highest precipitation amount at 180% 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	+36%	Upper North Platte River	+62%
Yellowstone & Madison	+22%	Lower North Platte	+25%
Wind River	+44%	Little Snake River	+80%
Big Horn	+1%	Upper Green River	+35%
Shoshone & Clarks Fork	+2%	Lower Green River	+21%
Powder & Tongue River	+9%	Upper Bear River	+37%
Belle Fourche & Cheyenne	+17%		

Streams

Stream flow yield for May to September is expected to be below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 54% (varying from 41-114% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 55 and 63% of average, respectively; 48-67% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 85% and 77% of average, respectively; varying from 59-116% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 62% of average; varying from 50-69% of average: Yields from the Powder & Tongue River Basins are expected to be about 58 and 62% of average, respectively; varying from 58-78% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 94% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 89 and 88% of average, respectively; varying from 79-114% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 85, 41, and 60% of average respectively; yield estimates vary from 41-82% of average:

Reservoirs

Reservoir storage for April varies widely across the state however reservoir storage is at 116% of average for the entire state. Reservoirs on the North Platte River are above average at 116% of average. Reservoirs in the northeast are nearly average in storage at 102%. Reservoirs in the Wind River Basin are above average at 107%. Reservoirs on the Big Horn are above average at 113%. The Buffalo Bill Reservoir on the Shoshone is above average at 124%. Reporting reservoirs on the Green River (no report for Flaming Gorge) are average at 101%. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

BASIN AREA RESERVOIR	CURRENT AS %CAPACITY	LAST YR AS %CAPACITY	AVERAGE AS %CAPACITY	CURRENT AS %AVERAGE	CURRENT AS %LAST YR
WYOMING AND SURROUNDING STATES					
ALCOVA	98	98	97	101	100
ANGOSTURA	75	70	93	81	107
BELLE FOURCHE	93	94	82	114	99
BIG SANDY	62	45	65	95	136
BIGHORN LAKE	69	65	58	118	105
BOYSEN	94	94	88	107	100
BUFFALO BILL	67	67	54	124	100
BULL LAKE	58	58	55	105	100
DEERFIELD	99	101	89	111	99
EDEN			NO REPORT		
ENNIS LAKE	86	79	82	104	108
FLAMING GORGE	86	81	79	109	107
FONTENELLE	37	42	42	88	88
GLENDO	94	92	90	103	102
GRASSY LAKE	88	89	84	106	99
GUERNSEY	58	56	73	79	103
HEBGEN LAKE	85	73	67	125	116
JACKSON LAKE	77	79	56	139	98
KEYHOLE	55	55	60	92	100
PACTOLA	100	100	87	115	100
PALISADES	99	56	62	161	179
PATHFINDER	79	39	73	107	200
PILOT BUTTE	91	91	81	112	100
SEMINOE	72	52	50	143	137
SHADEHILL	96	144	80	119	66
TONGUE RIVER	81	67	40	201	120
VIVA NAUGHTON RES	81	102	67	120	79
WHEATLAND #2	92	60	60	152	153
WOODRUFF NARROWS	100	100	67	149	100
TOTAL 26 RESERVOIRS	79	66	65	123	121

Raw KAF Totals Current= 7521 Last Year= 6239 Average=6133 Capacity=9482

BASIN SUMMARY OF SNOW COURSE DATA

MARCH 2010

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00

WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	4/28/10	32	11.9	13.5	12.3
BALD MOUNTAIN SNOTEL	9380	5/01/10	58	15.6	20.2	23.6
BASE CAMP SNOTEL	7030	5/01/10	---	4.1	10.1	12.3
BATTLE MTN. SNOTEL	7440	5/01/10	11	2.9	4.3	4.6
BEARLODGE DIVIDE	4680	4/29/10	0	.0	.2	.4
BEARTOOTH LK. SNOTEL	9280	5/01/10	64	16.5	26.5	25.9
BEAR TRAP SNOTEL	8200	5/01/10	16	3.8	5.8	2.5
BIG GOOSE SNOTEL	7760	5/01/10	30	8.7	10.8	11.6
BIG PARK	8620	4/30/10	48	14.4	19.8	19.6
BIG SANDY SNOTEL	9080	5/01/10	24	8.6	12.8	13.5
BLACKWATER SNOTEL	9780	5/01/10	63	19.6	29.9	28.8
BLIND BULL SNOTEL	8900	5/01/10	59	19.5	30.2	27.9
BLIND PARK SNOTEL	6870	5/01/10	4	.7	.0	4.0
BLUE RIDGE	9620	4/26/10	38	10.9	10.2	12.5
BONE SPGS. SNOTEL	9350	5/01/10	50	12.2	17.7	18.3
BROOKLYN LK. SNOTEL	10220	5/01/10	---	23.7	25.4	28.2
BURGESS JCT. SNOTEL	7880	5/01/10	46	11.7	13.5	13.3
BURROUGHS CRK SNOTEL	8750	5/01/10	33	9.6	18.4	13.6
CANYON SNOTEL	8090	5/01/10	22	7.1	14.7	11.3
CASPER MTN. SNOTEL	7850	5/01/10	49	15.7	14.2	17.1
CASTLE CREEK	8400	4/29/10	0	.0	1.6	2.4
CCC CAMP	7000	4/28/10	13	20.0	13.3	8.0
CHALK CK #1 SNOTEL	9100	5/01/10	64	21.4	27.0	25.3
CHALK CK #2 SNOTEL	8200	5/01/10	36	12.0	15.9	12.0
CINNABAR PARK SNOTEL	9690	5/01/10	53	19.9	21.6	16.0
CLOUD PEAK SNOTEL	9850	5/01/10	55	13.6	19.5	16.2
COLE CANYON SNOTEL	5910	5/01/10	5	.8	5.0	5.0
COLD SPRINGS SNOTEL	9630	5/01/10	20	6.5	9.7	4.8
COTTONWOOD CR SNOTEL	7700	5/01/10	---	15.0	27.6	19.8
CROW CREEK SNOTEL	8830	5/01/10	---	6.2	1.7	5.4
DARBY CANYON	8250	4/26/10	49	16.9	25.6	24.6
DEER PARK SNOTEL	9700	5/01/10	53	17.8	15.3	18.6
DITCH CREEK	6870	4/27/10	0	.0	1.0	1.5
DIVIDE PEAK SNOTEL	8860	5/01/10	55	20.7	26.4	19.3
DOMELAKE SNOTEL	8880	5/01/10	33	8.8	12.7	13.5
DU NOIR	8760	4/29/10	5	1.2	6.1	6.3
EAST RIM DIV SNOTEL	7930	5/01/10	---	.9	5.3	13.1
ELKHART PARK SNOTEL	9400	5/01/10	---	7.1	14.4	12.8
EVENING STAR SNOTEL	9200	5/01/10	65	18.7	32.1	33.3
FOXPARK	9060	4/27/10	20	7.1	7.1	5.3
GEYSER CREEK	8500	4/29/10	6	.7	5.7	5.4
GLADE CREEK	7040	4/28/10	27	9.8	20.4	20.1
GRAND TARGHEE SNOTEL	9260	5/01/10	115	43.4	52.9	--
GRANITE CRK SNOTEL	6770	5/01/10	---	5.0	12.2	12.8
GRANNIER MEADOWS	8860	4/26/10	46	12.3	10.1	14.6
GRASSY LAKE SNOTEL	7270	5/01/10	57	19.6	32.2	33.4

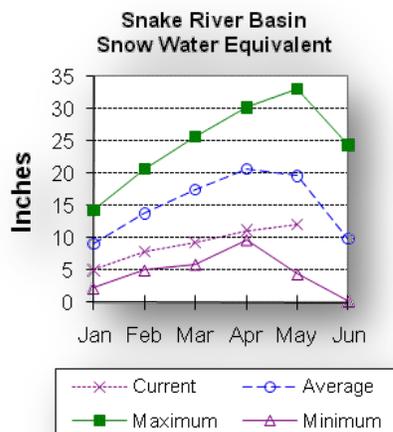
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GRAVE SPRINGS SNOTEL	8550	5/01/10	34	9.2	9.7	11.1
GROS VENTRE SNOTEL	8750	5/01/10	26	8.3	14.6	13.3
HAIRPIN TURN	9480	4/29/10	40	13.1	14.9	15.6
HANSEN S.M. SNOTEL	8360	5/01/10	9	2.6	3.9	4.9
HAMS FORK SNOTEL	7840	5/01/10	---	2.2	6.7	6.0
HASKINS CREEK	8980	4/26/10	80	30.0	38.4	31.6
HOBACK GS	6640	4/26/10	0	.0	.0	--
HOBBS PARK SNOTEL	10100	5/01/10	61	19.5	18.6	18.0
INDIAN CREEK SNOTEL	9430	5/01/10	---	18.5	26.8	28.3
JACKPINE CREEK	7350	4/26/10	34	12.9	19.4	19.2
KELLEY R.S. SNOTEL	8180	5/01/10	---	8.8	14.9	14.1
KENDALL R.S. SNOTEL	7740	5/01/10	1	.2	6.2	10.0
KIRWIN SNOTEL	9550	5/01/10	35	10.6	15.5	13.0
LAKE CAMP	7780	5/01/10	---	3.8E	9.5	7.5
LA PRELE SNOTEL	8380	5/01/10	28	7.5	8.9	7.1
LEWIS LAKE SNOTEL	7850	5/01/10	54	17.2	35.3	34.6
LEWIS LAKE DIVIDE	7850	4/28/10	60	21.8	41.3	42.3
LIBBY LODGE	8750	4/29/10	18	5.6	6.6	8.3
LITTLE BEAR RUN	6240	4/27/10	0	.0	--	--
LITTLE WARM SNOTEL	9370	5/01/10	28	8.1	13.5	11.1
LOOMIS PARK SNOTEL	8240	5/01/10	---	4.9	13.4	14.3
LUPINE CREEK	7380	5/03/10	0	.0	3.3	5.3
MALLO	6420	4/27/10	0	.0	.0	--
MARQUETTE SNOTEL	8760	5/01/10	21	7.6	8.9	11.3
MEDICINE LODGE LAKES	9340	5/01/10	---	8.9E	11.7	11.9
MIDDLE FORK	7420	5/01/10	---	5.7E	7.3	4.7
MIDDLE POWDER SNOTEL	7760	5/01/10	33	11.3	12.0	14.3
MOSS LAKE	9800	4/27/10	69	26.2	24.6	25.8
NEW FORK SNOTEL	8340	5/01/10	4	2.1	9.0	8.4
NORRIS BASIN	7500	4/30/10	9	2.2	7.5	6.8
NORTH BARRETT CREEK	9400	4/27/10	72	27.6	26.0	22.7
NORTH FRENCH SNOTEL	10130	5/01/10	118	40.0	38.4	34.5
NORTH RAPID CK SNTL	6130	5/01/10	0	.0	3.0	3.8
NORTH TONGUE	8450	4/26/10	29	8.8	12.1	13.3
OLD BATTLE SNOTEL	9920	5/01/10	114	38.2	39.7	36.9
OLD FAITHFUL	7400	5/01/10	---	4.7E	13.5	9.3
ONION GULCH	8780	4/28/10	25	7.0	10.1	8.4
OWL CREEK SNOTEL	8980	5/01/10	3	.9	4.9	4.0
PARKERS PEAK SNOTEL	9400	5/01/10	66	19.1	32.0	24.5
PHILLIPS BNCH SNOTEL	8200	5/01/10	52	17.9	30.6	29.4
POCKET CREEK	9350	4/24/10	39	8.1	11.2	13.8
POCKET CREEK SNOTEL	9350	5/01/10	37	7.6	--	--
POLE MOUNTAIN	8700	4/28/10	30	7.7	7.3	5.0
POWDER RVR.PASS SNTL	9480	5/01/10	27	7.6	12.6	10.7
PURGATORY GULCH	8970	4/26/10	39	11.6	13.8	11.2
RANGER CREEK	8120	4/28/10	0	.0	6.4	7.6
RENO HILL SNOTEL	8500	5/01/10	56	17.6	15.5	14.7
REUTER CANYON	6280	4/29/10	0	.0	8.9	3.6
ROWDY CREEK	8300	4/26/10	36	12.3	22.0	21.1
RYAN PARK	8400	4/27/10	25	9.2	8.0	7.2
SAGE CK BASIN SNTL	7850	5/01/10	---	10.1	11.0	11.2
SALT RIVER SNOTEL	7600	5/01/10	---	7.3	13.7	10.6
SAND LAKE SNOTEL	10050	5/01/10	109	35.9	35.8	37.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SANDSTONE RS SNOTEL	8150	5/01/10	35	9.0	13.8	9.5
SAWMILL DIVIDE	9260	4/26/10	42	11.2	16.4	15.1
SHELL CREEK SNOTEL	9580	5/01/10	60	13.6	18.1	16.8
SHERIDAN R.S.	7750	4/29/10	0	.0	3.1	3.3
SNAKE RV STA SNOTEL	6920	5/01/10	4	1.8	13.1	12.2
SNIDER BASIN SNOTEL	8060	5/01/10	19	6.8	13.3	12.6
SOLDIER PARK	8780	4/28/10	0	.0	5.0	6.3
SOUR DOUGH	8460	5/01/10	---	4.0E	6.3	7.4
SOUTH BRUSH SNOTEL	8440	5/01/10	40	12.4	9.5	11.1
SOUTH PASS SNOTEL	9040	5/01/10	48	15.1	15.6	18.0
SPRING CRK. SNOTEL	9000	5/01/10	59	20.1	32.2	28.6
ST LAWRENCE ALT SNTL	8620	5/01/10	20	6.5	8.0	6.1
SUCKER CREEK SNOTEL	8880	5/01/10	53	12.9	15.8	13.1
SYLVAN LAKE SNOTEL	8420	5/01/10	41	12.5	21.9	23.8
SYLVAN ROAD SNOTEL	7120	5/01/10	3	.8	7.3	8.1
T CROSS RANCH	7900	4/29/10	0	.0	3.7	3.3
TETON PASS W.S.	7740	4/29/10	50	17.6	26.4	27.5
THUMB DIVIDE SNOTEL	7980	5/01/10	22	7.0	20.4	14.9
TIE CREEK SNOTEL	6870	5/01/10	8	1.0	4.0	3.9
TIMBER CREEK SNOTEL	7950	5/01/10	6	1.8	5.3	4.8
TOGWOTEE PASS SNOTEL	9580	5/01/10	69	20.7	31.3	27.9
TOWNSEND CRK SNOTEL	8700	5/01/10	38	11.3	11.5	9.1
TRIPLE PEAK SNOTEL	8500	5/01/10	44	15.1	23.7	23.7
TWO OCEAN SNOTEL	9240	5/01/10	72	24.4	44.2	31.8
TYRELL RANGER STA.	8300	4/28/10	0	.0	7.2	6.1
UPPER SPEARFISH	6500	4/28/10	0	.0	2.1	--
WEBBER SPRING SNOTEL	9250	5/01/10	66	22.8	24.9	25.1
WHISKEY PARK SNOTEL	8950	5/01/10	71	26.2	31.7	30.5
WILLOW CREEK SNOTEL	8450	5/01/10	---	20.0	35.2	30.6
WINDY PEAK SNOTEL	7900	5/01/10	25	8.6	9.2	4.9
WOLVERINE SNOTEL	7650	5/01/10	0	.0	9.6	7.2
WOOD ROCK G.S.	8440	4/26/10	32	7.8	10.8	11.5
YOUNTS PEAK SNOTEL	8350	5/01/10	33	10.8	20.2	18.1

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is below average at 62%. SWE in the Snake River Basin above Jackson Lake is 54% of average. Pacific Creek Basin SWE is 65% of average. Gros Ventre River Basin SWE is 70% of average. SWE in the Hoback River drainage is 47% of average. SWE in the Greys River drainage is 70% of average. In the Salt River area SWE is 90% of average. SWE in the Snake River Basin above Palisades is 62% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.



Precipitation

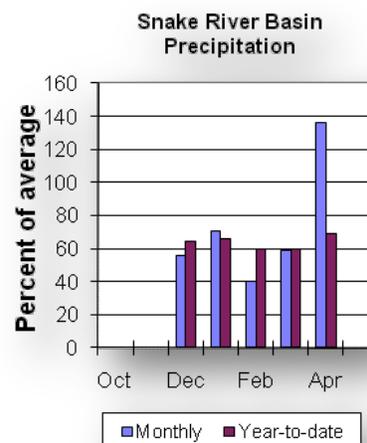
Precipitation across the basin was above average last month. Monthly precipitation for the basin was 136% of average (102% of last year). Last month's percentages range from 112-218% of average for the 16 reporting stations. Water-year-to-date precipitation is 69% of average for the Snake River Basin (66% of last year). Year-to-date percentages range from 58-85% of average.

Reservoir

Current reservoir storage is 153% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 106% of average (13,400 ac-ft compared to 13,600 last year). Jackson Lake storage is 139% of average (656,400 ac-ft compared to 671,900 ac-ft last year). Palisades Reservoir storage is about 161% of average 1,390,000 ac-ft compared to 777,300 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 May through September are below average for the basin. The Snake near Moran is 470,000 ac-ft (56% of average). Snake above reservoir near Alpine is 1,320,000 ac-ft (52% of average). The Snake near Irwin is 1,930,000 ac-ft (55% of average). The Snake near Heise is 2,060,000 ac-ft (55% of average). Pacific Creek near Moran is 98,000 ac-ft (59% of average). Buffalo Fork above Lave near Moran is 215,000 ac-ft (65% of average). Gros Ventre River at Kelly is 110,000 ac-ft (48% of average). Greys River above Palisades Reservoir is 210,000 ac-ft (59% of average). Salt River near Etna is 181,000 ac-ft (50% of average). See the following page for detailed runoff volumes.



SNAKE RIVER BASIN

Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	Future Conditions					30 Yr Avg (1000AF)
	<=== Drier ===> 90% (1000AF)	<=== Drier ===> 70% (1000AF)	Chance of Exceeding 50% (1000AF) (% AVG.)	=== Wetter ===> 30% (1000AF)	=== Wetter ===> 10% (1000AF)	
SNAKE nr Moran (1,2)						
MAY-JUL	275	375	420	56	465	750
MAY-SEP	325	440	470	56	540	840
SNAKE abv Resv nr Alpine (1,2)						
MAY-JUL	780	1020	1130	52	1240	2160
MAY-SEP	890	1190	1320	52	1450	2530
SNAKE nr Irwin (1,2)						
MAY-JUL	1220	1490	1620	54	1750	2980
MAY-SEP	1470	1790	1930	55	2070	3520
SNAKE near Heise (2)						
MAY-JUL	1380	1580	1720	54	1860	3170
MAY-SEP	1670	1900	2060	55	2220	3760
Pacific Ck At Moran						
MAY-JUL	47	73	90	56	107	160
MAY-SEP	54	80	98	59	116	167
Buffalo Fork ab Lava nr Moran, WY						
APR-JUL	157	186	205	68	225	301
MAY-JUL	142	170	189	66	210	288
APR-SEP	177	210	230	67	250	344
MAY-SEP	162	194	215	65	235	330
Gros Ventre R at Kelly, WY						
MAY-JUL	40	73	96	52	119	186
MAY-SEP	51	86	110	48	134	230
Greys R Nr Alpine						
MAY-JUL	135	162	180	60	198	300
MAY-SEP	156	188	210	59	230	355
Salt R Nr Etna						
MAY-JUL	66	113	145	52	177	280
MAY-SEP	85	142	181	50	220	360

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

SNAKE RIVER BASIN

Reservoir Storage (1000AF) End of April

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
GRASSY LAKE	15.2	13.4	13.6	12.7
JACKSON LAKE	847.0	656.4	671.9	471.1
PALISADES	1400.0	1390.0	777.3	862.6

SNAKE RIVER BASIN

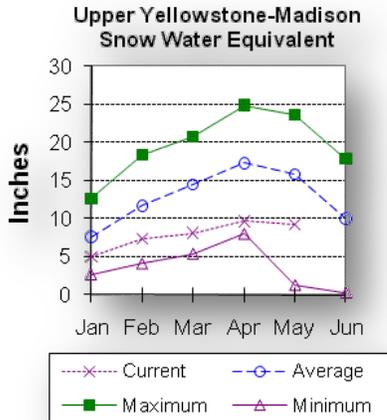
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	6	48	54
PACIFIC CREEK	2	52	65
GROS VENTRE RIVER	2	62	70
HOBACK RIVER	5	51	47
GREYS RIVER	4	60	70
SALT RIVER	4	52	67
SNAKE above Palisades	20	53	58

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been below average so far this year. Snow water equivalent (SWE) is at 57% of average in the Madison drainage. SWE in the Yellowstone drainage is at 60% 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 122% of average (88% of last year). The 5 reporting stations percentages range from 97-167% of average. Water-year-to-date precipitation is about 73% of average (66% of last year's amount). Year to date percentage ranges from 64-83%.

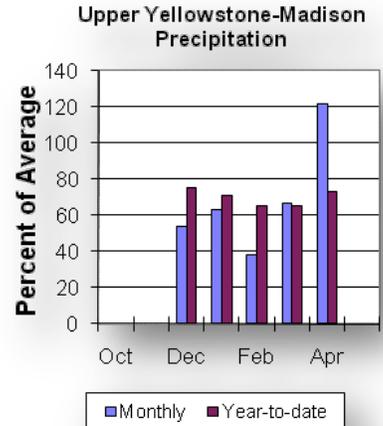
Reservoir

Ennis Lake is storing about 35,100 ac-ft of water (86% of capacity, 104% of average or 108% of

last year's volume). Hebgen Lake is storing about 319,200 ac-ft of water (85% of capacity, 125% of average or 116% of last year's volume). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for May through September are below average for the basins. Yellowstone at Lake Outlet is 465,000 ac-ft (60% of average). Yellowstone at Corwin Springs will yield around 1,170,000 ac-ft (63% of average). Yellowstone near Livingston will yield around 1,340,000 ac-ft (62 of average). Hebgen Reservoir inflow is 300,000 ac-ft (67% of average). See the following page for detailed runoff volumes.



UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
YELLOWSTONE at Lake Outlet							
MAY-JUL	245	305	345	62	385	445	555
MAY-SEP	340	415	465	60	515	590	770
YELLOWSTONE RIVER at Corwin Springs							
MAY-JUL	730	880	985	64	1090	1240	1550
MAY-SEP	855	1040	1170	63	1300	1480	1870
YELLOWSTONE RIVER near Livingston							
MAY-JUL	795	980	1110	63	1240	1430	1770
MAY-SEP	960	1190	1340	62	1490	1720	2150
HEBGEN Reservoir Inflow							
MAY-JUL	168	199	220	66	240	270	335
MAY-SEP	240	275	300	67	325	360	445

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
ENNIS LAKE	41.0	35.1	32.5	33.8
HEBGEN LAKE	377.5	319.2	275.2	254.6

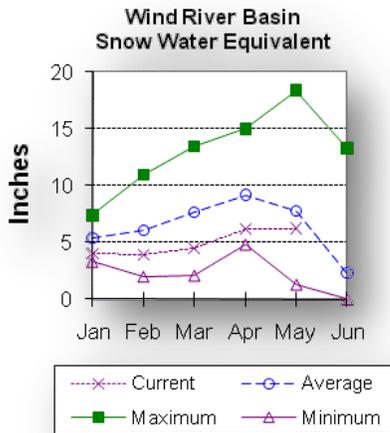
UPPER YELLOWSTONE & MADISON RIVER BASINS
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	52	57
YELLOWSTONE RIVER in WY	11	51	60

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir has below average snow water equivalent (SWE 80%) for this time of the year. SWE in the Wind River above Dubois is 58% of average. The Little Wind SWE is 108% of average, and the Popo Agie drainage SWE is about 97% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

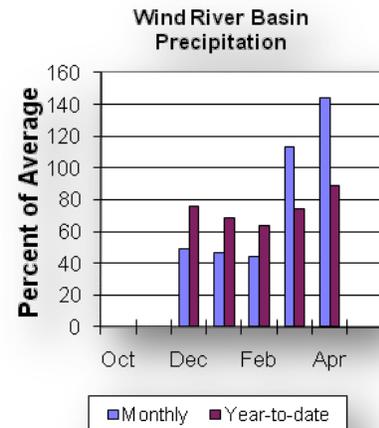
Last month's precipitation in the basin varied from 97-175% of average. Precipitation, for the basin, was about 144% of average from the 8 reporting stations; that is about 99% of last year's amount. Water year-to-date precipitation is 89% of average and about 81% of last year at this time. Year-to-date percentages range from 54-122% of average.

Reservoirs

Current storage varies from 105-112% of average. Usable storage in Bull Lake is currently about 88,000 ac-ft (105% of average) - the reservoir is at 100% of last year. Boysen Reservoir is storing about 107% of average (561,500 ac-ft) - the reservoir is about 100% of last year. Pilot Butte is at 112% of average (28,700 ac-ft) - the reservoir is at 100% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the May through September runoff period for the basin are below average. Dinwoody Creek near Burris is 92,000 ac-ft (99% of average). The Wind River above Bull Lake Creek is 460,000 ac-ft (90% of average). Bull Lake Creek near Lenore is 184,000 ac-ft (103% of average). Wind River at Riverton will yield around 515,000 ac-ft (84% of average). Little Popo Agie River near Lander is around 51,000 ac-ft (104% of average). South Fork of Little Wind near Fort Washakie will yield around 94,000 ac-ft (116% of average). Little Wind River near Riverton will yield around 325,000 ac-ft (112% of average). Boysen Reservoir inflow will yield around 645,000 ac-ft (85% of average). See the following page for detailed runoff volumes.



WIND RIVER BASIN

Streamflow Forecasts - May 1, 2010

<=== Drier === Future Conditions === Wetter ===>							
Forecast Pt	Chance of Exceeding *						30 Yr Avg
Forecast Period	90%	70%	50%	30%	10%		
	(1000AF)	(1000AF)	(1000AF) (% AVG.)	(1000AF)	(1000AF)	(1000AF)	
=====							
DINWOODY CREEK nr Burris							
MAY-JUL	55	61	65	100	69	75	65
MAY-SEP	79	87	92	99	97	105	93
WIND RIVER abv Bull Lake Cr (2)							
MAY-JUL	275	330	370	90	410	465	410
MAY-SEP	350	415	460	90	505	570	510
BULL LAKE CR nr Lenore							
MAY-JUL	120	137	149	104	161	178	144
BULL LAKE CR near Lenore							
MAY-SEP	147	169	184	103	199	220	178
WIND RIVER at Riverton (2)							
MAY-JUL	325	390	435	85	480	545	510
MAY-SEP	380	460	515	84	570	650	610
LT POPO AGIE RIVER nr Lander							
MAY-JUL	35	40	44	102	48	53	43
MAY-SEP	41	47	51	104	55	61	49
SF LT WIND nr Fort Washakie							
MAY-JUL	65	75	82	117	89	99	70
MAY-SEP	74	86	94	116	102	114	81
LT WIND RIVER nr Riverton							
MAY-JUL	168	240	285	112	330	400	255
MAY-SEP	200	275	325	112	375	450	290
BOYSEN RESERVOIR Inflow (2)							
MAY-JUL	330	475	575	87	675	820	665
MAY-SEP	360	530	645	85	760	930	758

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

WIND RIVER BASIN Reservoir Storage (1000AF) End of April

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

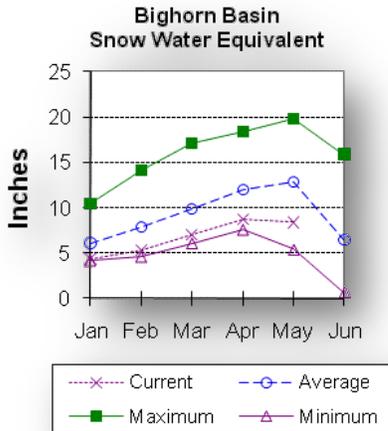
WIND RIVER BASIN Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubois	7	53	59
LITTLE WIND	2	98	108
POPO AGIE	7	105	97
WIND above Boysen Resv	14	73	81

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is below average at 65%. The Nowood River is at 68% of average. The Greybull River SWE is at 70% of average. Shell Creek SWE is 62% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



time and Big Horn Lake is storing 105% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

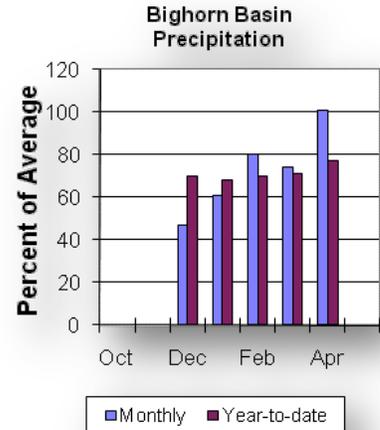
The 50% exceedance forecasts for the May through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 645,000 ac-ft (85% of average); the Greybull River near Meeteetse should yield around 114,000 ac-ft (59% of average); Shell Creek near Shell should yield around 54,000 ac-ft (78% of average) and the Bighorn River at Kane should yield around 785,000 ac-ft (77% of average). See the following page for detailed runoff volumes.

Precipitation

Last month's precipitation was 101% of average (112% of last year). Sites ranged from 68-138% of average for the month. Year-to-date precipitation is 77% of average; that is 76% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 60-93%.

Reservoir

Boysen Reservoir is currently storing 561,500 ac-ft (107% of average). Bighorn Lake is now at 118% of average (933,800 ac-ft). Boysen is currently storing 100% of last year volume at this



BIGHORN RIVER BASIN
Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
BOYSEN RESERVOIR Inflow (2)							
MAY-JUL	330	475	575	87	675	820	665
MAY-SEP	360	530	645	85	760	930	758
GREYBULL RIVER nr Meeteetse							
MAY-JUL	61	74	83	59	92	105	141
MAY-SEP	67	95	114	59	133	161	194
SHELL CREEK nr Shell							
MAY-JUL	30	38	44	77	50	58	57
MAY-SEP	39	48	54	78	60	69	69
BIGHORN RIVER at Kane (2)							
MAY-JUL	410	595	725	79	855	1040	915
MAY-SEP	320	530	785	77	810	1020	1020

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
BOYSEN	596.0	561.5	561.5	526.1
BIGHORN LAKE	1356.0	933.8	885.3	791.9

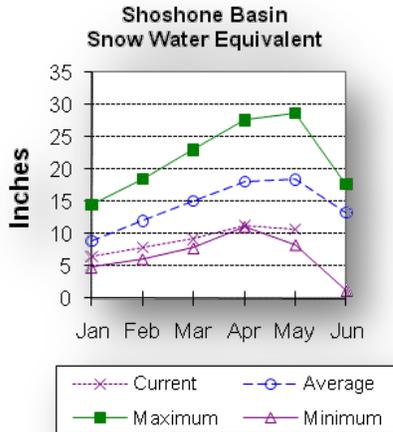
BIGHORN RIVER BASIN
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	65	68
GREYBULL RIVER	2	60	70
SHELL CREEK	4	66	62
BIGHORN (Boysen-Bighorn)	11	65	65

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is below average for this time of year. Snow Water Equivalent (SWE) is 57% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 60% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Precipitation for last month was 102% of average (91% of last year). Monthly percentages range from 83-124% of average. The basin year-to-date precipitation is now 72% of average (67% of last year). Year-to-date percentages range from 57-85% of average for the 8 reporting stations.

Reservoir

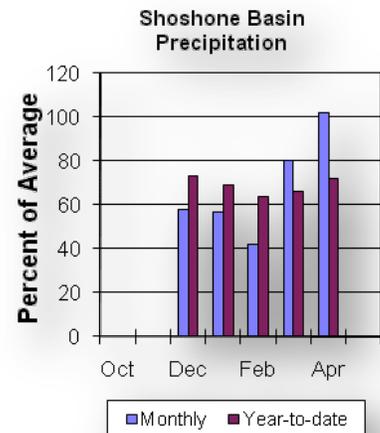
Current storage in Buffalo Bill Reservoir is about 124% of average (100% of last year's storage) - the reservoir is at about 67% of capacity.

Currently, about

436,100 ac-ft are stored in the reservoir compared to 436,100 ac-ft last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be below average for the basin. The North Fork Shoshone River at Wapiti is 335,000 ac-ft (69% of average). The South Fork of the Shoshone River near Valley is 169,000 ac-ft (66% of average), and the South Fork above Buffalo Bill Reservoir runoff is 107,000 ac-ft (50% of average). The Buffalo Bill Reservoir inflow is expected to yield around 475,000 ac-ft (63% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 345,000 ac-ft (61% of average). See the following page for detailed runoff volumes.



SHOSHONE & CLARKS FORK RIVER BASINS
Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
NF SHOSHONE RIVER at Wapiti							
MAY-JUL	215	265	295	69	325	375	425
MAY-SEP	245	300	335	69	370	425	485
SF SHOSHONE RIVER nr Valley							
MAY-JUL	112	131	144	67	157	176	215
MAY-SEP	132	154	169	66	184	205	255
SF SHOSHONE RIVER abv Buffalo Bill							
MAY-JUL	54	84	105	53	126	156	200
MAY-SEP	52	85	107	50	129	162	215
BUFFALO BILL DAM Inflow (2)							
MAY-JUL	290	365	415	62	465	540	675
MAY-SEP	335	420	475	63	530	615	755
CLARKS FORK RIVER nr Belfry							
MAY-JUL	255	295	325	63	355	395	515
MAY-SEP	260	310	345	61	380	430	570

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

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

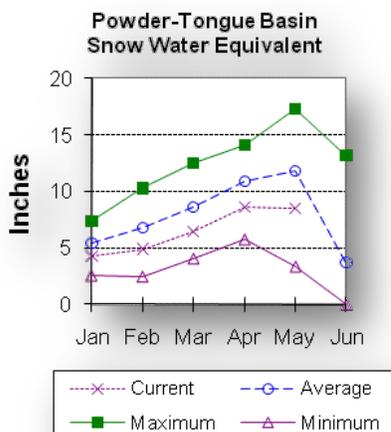
SHOSHONE & CLARKS FORK RIVER BASINS
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SHOSHONE RIVER	6	58	57
CLARKS FORK in WY	7	56	60

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 74% of average. The Goose Creek drainage is 71% of average. SWE in the Clear Creek drainage is 58% of average. Crazy Woman Creek drainage is 70% of average. Upper Powder River drainage SWE is 83% of average. Powder River Basin SWE in Wyoming is 71% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

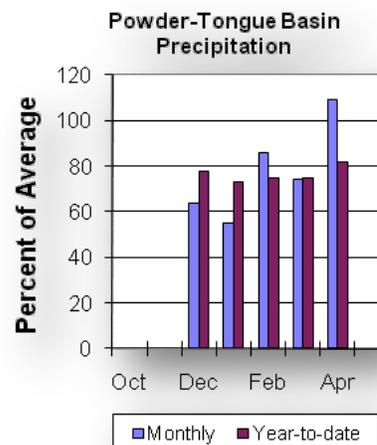
Last month's precipitation was 109% of average for the 9 reporting stations (123% of last year). Monthly percentages range from 82-142% of average. Year-to-date precipitation is 82% of average in the basin; this is 78% of last year at this time. Precipitation for the year ranges from 68-97% of average.

Reservoir

The Tongue River Reservoir is at 81% of capacity; 201% of average; and 120% of last year at 63,700 ac-ft.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be below average for the basins. The yield for Tongue River near Dayton is 77,000 ac-ft (75% of average). Big Goose Creek near Sheridan is 38,000 ac-ft (66% of average). Little Goose Creek near Bighorn is 28,000 ac-ft (70% of average). The Tongue River Reservoir Inflow is 140,000 ac-ft (62% of average). The Middle Fork of the Powder River near Barnum is 13,100 ac-ft (79% of average). The North Fork of the Powder River near Hazelton should yield around 7,600 ac-ft (78% of average). Rock Creek near Buffalo will yield about 16,300 ac-ft (71% of average), and Piney Creek at Kearny should yield about 30,000 ac-ft (63% of average). The Powder River at Moorehead is 120,000 ac-ft (60% of average). The Powder River near Locate is 127,000 ac-ft (58 of average). See the following page for detailed runoff volumes.



POWDER & TONGUE RIVER BASINS
Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	Future Conditions					30 Yr Avg (1000AF)
	<=== Drier ===> 90% (1000AF)	<=== Drier ===> 70% (1000AF)	Chance of Exceeding 50% (1000AF) (% AVG.)	<=== Wetter ===> 30% (1000AF)	<=== Wetter ===> 10% (1000AF)	
TONGUE RIVER nr Dayton (2)						
MAY-JUL	39	55	66	73	77	90
MAY-SEP	48	65	77	75	89	103
BIG GOOSE CREEK nr Sheridan						
MAY-JUL	19.4	28	33	67	38	49
MAY-SEP	24	32	38	66	44	58
LITTLE GOOSE CREEK nr Big Horn						
MAY-JUL	13.6	18.6	22	69	25	32
MAY-SEP	19.0	24	28	70	32	40
TONGUE RIVER RESERVOIR Inflow (2)						
MAY-JUL	35	89	125	63	161	199
MAY-SEP	44	101	140	62	179	225
MIDDLE FORK POWDER nr Barnum						
MAY-JUL	7.2	10.3	12.3	79	14.3	15.6
MAY-SEP	7.9	11.0	13.1	79	15.2	16.6
NORTH FORK POWDER nr Hazelton						
MAY-JUL	4.2	5.8	6.9	77	8.0	9.0
MAY-SEP	4.7	6.4	7.6	78	8.8	9.8
ROCK CREEK nr Buffalo						
MAY-JUL	6.8	10.5	13.0	69	15.5	18.9
MAY-SEP	9.6	13.6	16.3	71	19.0	23
PINEY CREEK at Kearny						
MAY-JUL	10.2	19.6	26	59	32	44
MAY-SEP	13.1	23	30	63	37	48
POWDER RIVER at Moorehead						
MAY-JUL	24	72	107	60	142	178
MAY-SEP	48	84	120	60	156	200
POWDER RIVER nr Locate						
MAY-JUL	46	71	115	59	159	195
MAY-SEP	51	79	127	58	175	220

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

POWDER & TONGUE RIVER BASINS
Reservoir Storage (1000AF) End of April

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
TONGUE RIVER	79.1	63.7	53.3	31.7

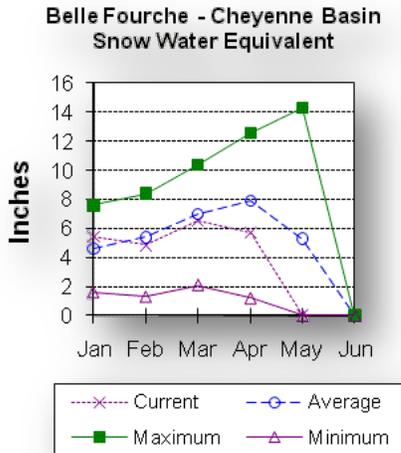
POWDER & TONGUE RIVER BASINS
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	73	74
GOOSE CREEK	3	72	71
CLEAR CREEK	4	58	58
CRAZY WOMAN CREEK	3	64	70
UPPER POWDER RIVER	4	73	83
POWDER RIVER in WY	8	66	71

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 5% of average for this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 117% of average or 154% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 105-132%. Year-to-date precipitation is 107% of average and 86% of last year's amount. Yearly percentages range from 101-114% of average.

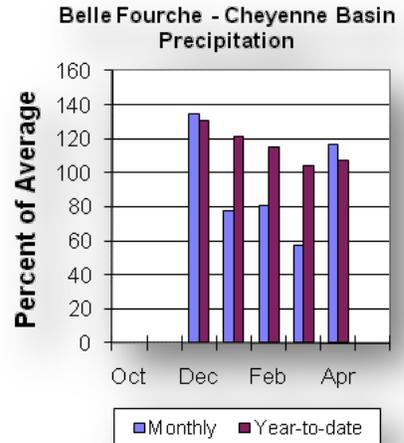
Reservoir

Current reservoir storage is about 102% of average in the basin. Angostura is currently storing 81% of average (91,700 ac-ft), about 75% of capacity. Belle

Fourche reservoir is storing 114% of average (165,700 ac-ft), about 93% of capacity. Deerfield reservoir is storing 111% of average (15,100 ac-ft), about 99% of capacity. Keyhole reservoir is storing 92% of average (107,000 ac-ft), about 55% of capacity. Pactola reservoir is storing 115% of average (54,900 ac-ft), about 100% of capacity. Shadehill reservoir is storing 119% of average (77,900 ac-ft), about 96% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following runoff values are the 50% exceedance forecasts for the May through July period. The Deerfield Reservoir Inflow is 3,800 ac-ft (100% of average). Pactola Reservoir Inflow is expected to yield around 16,000 ac-ft (88% of average). See the following page for detailed runoff volumes.



BELLE FOURCHE & CHEYENNE RIVER BASINS

Streamflow Forecasts - May 1, 2010

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=====
Forecast Pt | <=== Drier === Future Conditions === Wetter ===> |
Forecast | ===== Chance of Exceeding * ===== |
Period | (1000AF) (1000AF) | (1000AF) (% AVG.) | (1000AF) (1000AF) | (1000AF)
=====
DEERFIELD RESERVOIR Inflow
MAY-JUL 1.5 2.4 3.8 100 5.2 7.3 3.8

PACTOLA RESERVOIR Inflow
MAY-JUL 6.4 9.3 16.0 88 24 35 18.2
    
```

* 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 April

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=====
Reservoir          Usable Capacity  ***** Usable Storage *****
                  This Year      Last Year      Average
=====
ANGOSTURA          122.1           91.7           85.6           113.7
BELLE FOURCHE      178.4           165.7          167.1          145.7
DEERFIELD          15.2            15.1           15.3           13.6
KEYHOLE            193.8           107.0          107.4          115.8
PACTOLA            55.0            54.9           54.8           47.9
SHADEHILL          81.4            77.9           117.3          65.2
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BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - May 1, 2010

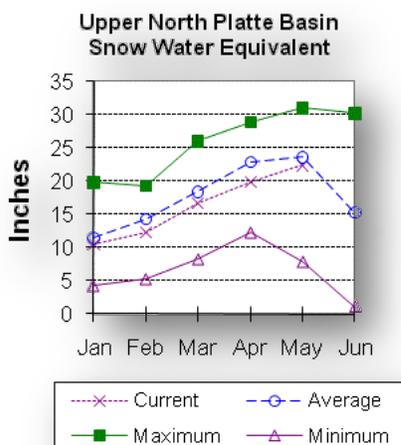
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Watershed          Number of Data Sites  This Year as Percent of
                  Last Year      Average
=====
BELLE FOURCHE      5              5              5
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Upper North Platte River Basin

Snow

The SNOTELS and snow courses above Seminoe Reservoir are showing about 95% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 84% of average at this time. SWE in the Encampment River drainage is about 95% of average. Brush Creek SWE for the year is about 114% of average. Medicine Bow and Rock Creek drainages SWE are about 94% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

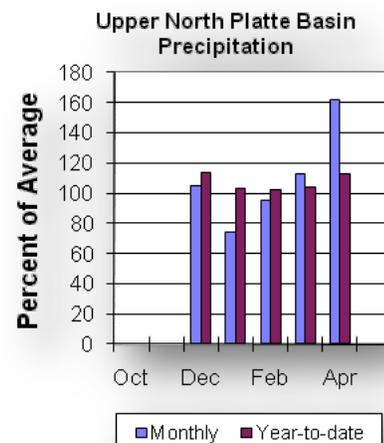
Eight reporting stations show last month's precipitation at 162% of average or 122% of last year's amount. Precipitation varied from 150-201% of average last month. Total water-year-to-date precipitation is about 113% of average for the basin, which is about 98% of last year's amount. Year to date percentage ranges from 96-135% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 728,600 ac-ft or 72% of capacity. Seminoe Reservoir is also storing about 143% of average for this time of the year and 137% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following yields are the 50% exceedance forecasts for the May through September period and are expected to be below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 190,000 ac-ft (83% of average). The Encampment River near Encampment is 156,000 ac-ft (100% of average). Rock Creek near Arlington is 55,000 ac-ft (100% of average). The Sweetwater River near Alcova forecast is for 52,000 ac-ft (79% of average). Seminoe Reservoir inflow should be around 670,000 ac-ft (89% of average). See the following table for more detailed information on projected runoff.



UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	
NORTH PLATTE RIVER nr Northgate						
MAY-JUL	89	137	170	83	205	205
MAY-SEP	96	152	190	83	230	230
ENCAMPMENT RIVER nr Encampment						
MAY-JUL	113	133	146	99	159	147
MAY-SEP	121	142	156	100	170	156
ROCK CREEK nr Arlington						
MAY-JUL	41	47	52	100	57	52
MAY-SEP	43	50	55	100	60	55
SWEETWATER RIVER nr Alcova						
MAY-JUL	25	39	48	79	57	61
MAY-SEP	27	42	52	79	62	66
SEMINOE RESERVOIR Inflow						
MAY-JUL	325	500	620	90	740	690
MAY-SEP	345	540	670	89	800	750

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
SEMINOE	1016.7	728.6	533.6	510.4

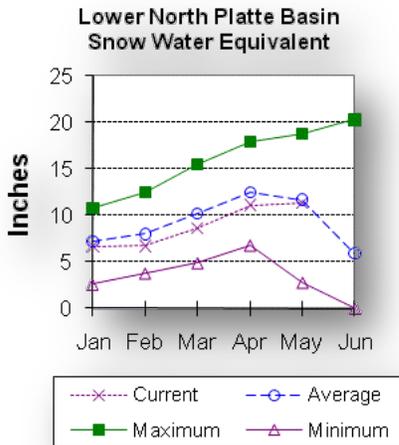
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Percent of Average
N PLATTE above Northgate	7	85	84
ENCAMPMENT RIVER	4	90	95
BRUSH CREEK	5	108	114
MEDICINE BOW & ROCK CREEKS	3	100	94
N PLATTE above Seminoe	19	92	95

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 97% of average. The Sweetwater drainage SWE is currently at 88% of average. Deer and LaPrele Creek SWE are at 115% of average. SWE for the North Platte above the Laramie River drainage is 95% of average. SWE for the Laramie River above Laramie is 104% of average. SWE for the Little Laramie River is 92% of average. The Laramie River above mouth, SWE is 98% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 125% of average or 94% of last year's amount. Of the 8 reporting stations, percentages for the month range from 82-191%. The water year-to-date precipitation for the basin is currently 110% of average (104% of last year). Year-to-date percentages range from 89-158% of average.

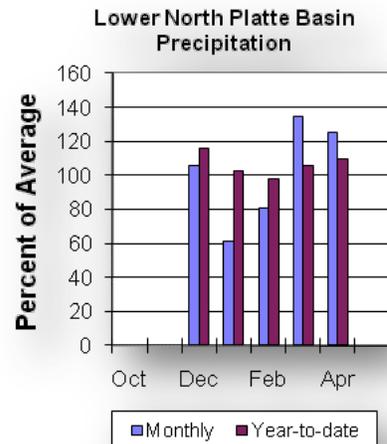
Reservoir

The Lower North Platte River basin reservoir storage is above average at 116%. Reservoir storage is as follows: Alcova 179,900 ac-ft (101% of average); Glendo 473,700 ac-ft (103% of average); Guernsey 26,300 ac-ft (79% of average);

Pathfinder 799,200 ac-ft (107% of average); Seminoe 728,600 ac-ft (143% of average); and Wheatland #2 90,200 ac-ft (152% of average):

Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period. The Sweetwater River near Alcova is forecast to yield about 52,000 ac-ft (79% of average). Deer Creek at Glenrock is forecast to yield 32,000 ac-ft (114% of average). LaPrele Creek above the reservoir is forecast to yield 21,000 ac-ft (111% of average). North Platte - Alcova to Orin Gain is forecast to yield 132,000 ac-ft (108% of average). North Platte River below Glendo Reservoir is 715,000 ac-ft (86% of average), and below Guernsey Reservoir is anticipated to yield around 755,000 ac-ft (88% of average). Laramie River near Woods Landing should yield around 128,000 ac-ft (101% of average). The Little Laramie near Filmore should produce about 68,000 ac-ft (112% of average). See the following table for more detailed information on projected runoff.



LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	Chance of Exceeding * =====						
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
SWEETWATER RIVER nr Alcova							
MAY-JUL	25	39	48	79	57	71	61
MAY-SEP	27	42	52	79	62	77	66
DEER CREEK at Glenrock							
MAY-JUL	10.9	23	31	115	39	51	27
MAY-SEP	12.1	24	32	114	40	52	28
LaPRELE CREEK abv Reservoir							
MAY-JUL	12.0	17.4	21	113	25	30	18.6
MAY-SEP	12.1	17.4	21	111	25	30	18.9
NORTH PLATTE - Alcova to Orin Gain							
MAY-JUL	69	99	120	106	141	171	113
MAY-SEP	77	110	132	108	154	187	122
NORTH PLATTE RIVER blw Glendo Res (2)							
MAY-JUL	455	600	700	88	800	945	800
MAY-SEP	465	615	715	86	815	965	830
NORTH PLATTE RIVER blw Guernsey Res (2)							
MAY-JUL	435	610	730	90	850	1030	815
MAY-SEP	450	630	755	88	880	1060	860
LARAMIE RIVER nr Woods							
MAY-JUL	81	101	115	100	129	149	115
MAY-SEP	90	113	128	101	143	166	127
LITTLE LARAMIE RIVER nr Filmore							
MAY-JUL	48	56	62	111	68	76	56
MAY-SEP	52	62	68	112	74	84	61

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS
Reservoir Storage (1000AF) End of April

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
ALCOVA	184.3	179.9	180.1	178.8
GLENDO	506.4	473.7	465.6	458.2
GUERNSEY	45.6	26.3	25.5	33.3
PATHFINDER	1016.5	799.2	400.3	747.1
SEMINOE	1016.7	728.6	533.6	510.4
WHEATLAND #2	98.9	90.7	59.3	59.7

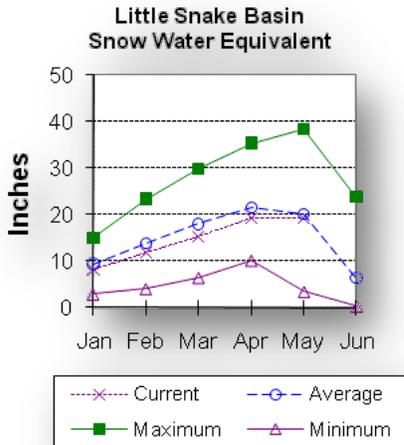
LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SWEETWATER	3	110	88
DEER & LaPRELE CREEKS	2	103	115
N PLATTE abv Laramie R.	24	94	95
LARAMIE RIVER abv Laramie	11	98	104
LITTLE LARAMIE RIVER	5	90	92
LARAMIE RIVER above mouth	14	96	98
NORTH PLATTE	31	95	97

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 96% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

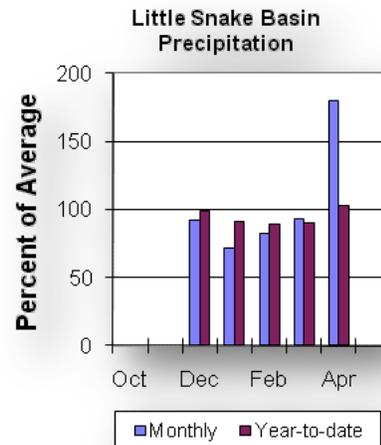
Precipitation across the basin was 180% of average (128% of last year) for the 5 reporting stations. Last month's precipitation ranged from 170-204% of average. The Little Snake River basin water-year-to-date precipitation is currently 103% of average (87% of last year). Year-to-date percentages range from 93-114% of average.

Reservoir

High Savery Dam -Pending

Streamflow

The 50% exceedance forecast for the May through July time frame on the Little Snake River drainage is expected to be below average this year. The Little Snake River near Slater should yield around 125,000 ac-ft (89% of average). The Little Snake River near Dixon is estimated to yield around 245,000 ac-ft (85% of average). See the following table for more detailed information on projected runoff.



LITTLE SNAKE RIVER BASIN
Streamflow Forecasts - May 1, 2010

```

=====
Forecast Pt | <=== Drier === Future Conditions === Wetter ===> |
Forecast | ===== Chance of Exceeding * ===== |
Period | (1000AF) (1000AF) | (1000AF) (% AVG.) | (1000AF) (1000AF) | (1000AF)
=====
Little Snake River nr Slater
APR-JUL 111 131 145 91 160 184 159
MAY-JUL 91 111 125 89 140 164 141

Little Snake River nr Dixon
APR-JUL 198 255 295 89 340 410 330
MAY-JUL 160 210 245 85 285 350 290
=====

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* 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.

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LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2010
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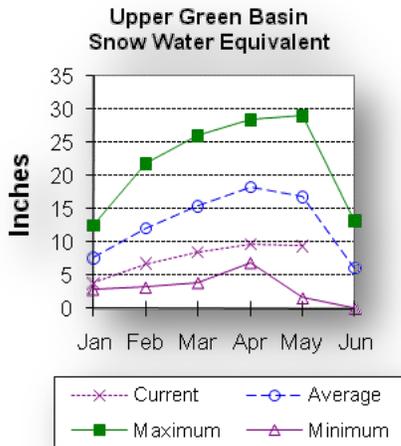
=====
Watershed | Number of | This Year as Percent of |
| Data Sites | Last Year | Average |
=====
LITTLE SNAKE RIVER | 8 | 85 | 96 |
=====

```

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 28% of average.



SWE for the West Side of Upper Green River Basin is about 66% of average. Newfork River Basin SWE is now about 49% of average. Big Sandy-Eden Valley Basin is 64% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 56% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

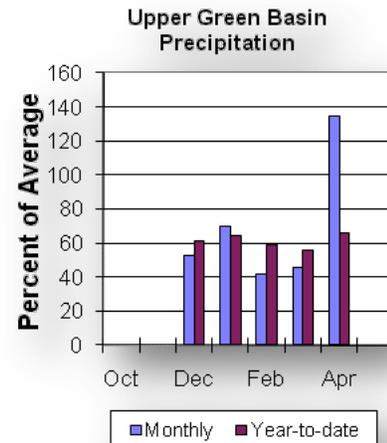
Precipitation

The 11 reporting precipitation sites in the basin were 135% of average last month (102% of last year). Last month's precipitation varied from 101-162% of average. Water year-to-date precipitation is about 66% of average (65% of last year). Year to date

percentage of average ranges from 57-81% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 23,600 ac-ft or 62% of capacity. This is 95% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 126,700 ac-ft or 37% of capacity; 88% of average. This is 89% of average for the Upper Green River basin. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the May through July runoff period in the Upper Green River Basin are forecast to be below average. The yield on the Green River at Warren Bridge is 130,000 ac-ft (53% of average). Pine Creek above Fremont Lake is 70,000 ac-ft (69% of average). New Fork River near Big Piney is 200,000 ac-ft (54% of average). Fontenelle Reservoir Inflow is estimated to be 340,000 ac-ft (44% of average), and Big Sandy near Farson is expected to be around 30,000 ac-ft (56% of average). See the following table for more detailed information on projected runoff.

UPPER GREEN RIVER BASIN
Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
Green River at Warren Bridge							
APR-JUL	116	133	145	55	158	178	265
MAY-JUL	101	118	130	53	143	163	246
Pine Creek abv Fremont Lake							
APR-JUL	60	68	73	70	78	87	104
MAY-JUL	58	66	70	69	76	84	102
New Fork River nr Big Piney							
APR-JUL	156	190	215	54	240	285	395
MAY-JUL	141	175	200	54	225	270	368
Fontenelle Reservoir Inflow							
APR-JUL	260	345	405	47	475	585	860
MAY-JUL	197	280	340	44	410	520	765
Big Sandy River nr Farson							
APR-JUL	27	32	36	62	40	47	58
MAY-JUL	21	26	30	56	34	41	54

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
BIG SANDY	38.3	23.6	17.4	24.8
EDEN		NO REPORT		
FONTENELLE	344.8	126.7	143.4	143.5

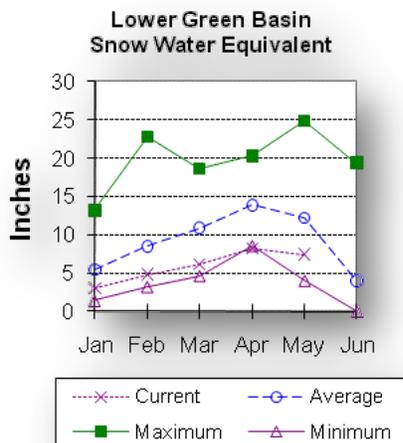
UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	4	43	28
UPPER GREEN (West Side)	7	64	66
NEWFORK RIVER	3	50	49
BIG SANDY/EDEN VALLEY	1	67	64
GREEN above Fontenelle	14	57	56

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 61% of average. SWE in the Hams Fork Basin is 65% of average. Blacks Fork Basin SWE is currently 80% of average. In the Henrys Fork drainage SWE is 73%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation was above average for the 3 reporting stations during last month at 121% of average or 103% of last year. Precipitation ranged from 115-132% of average for the month. The basin year-to-date precipitation is currently 69% of average (75% of last year). Year-to-date percentages range from 66-77% of average.

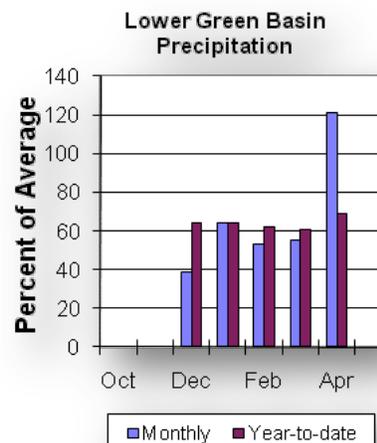
Reservoirs

Fontenelle Reservoir is currently storing 126,700 ac-ft; this is 88% of average (88% of last year). Flaming Gorge is currently

storing NO REPORT ac-ft; this is unknown% of average (unknown% of last year). Viva Naughton is currently storing 34,400 ac-ft, 120% of average and 81% 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 50% exceedance forecasts for the May through July runoff period in the Lower Green River Basin are forecast to be below average. The Green River near Green River is forecast to yield about 355,000 ac-ft (46% of average). The Blacks Fork near Robertson is forecast to yield 68,000 ac-ft (74% of average). East Fork of Smiths Fork near Robertson is forecast to yield 22,000 ac-ft (79% of average). Hams Fork below Pole Creek near Frontier is forecast to be 27,000 ac-ft (45% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 31,000 ac-ft (41% of average). The Flaming Gorge Reservoir inflow will be about 420,000 ac-ft (41% of average). See the following table for more detailed information on projected runoff.



LOWER GREEN RIVER BASIN
Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
Green River nr Green River, WY (2)							
APR-JUL	255	345	415	47	495	630	875
MAY-JUL	191	285	355	46	435	570	780
Blacks Fork nr Robertson							
APR-JUL	53	64	72	76	80	94	95
MAY-JUL	49	60	68	74	76	90	92
EF of Smiths Fork nr Robertson (2)							
APR-JUL	16.3	20	23	79	26	31	29
MAY-JUL	15.2	19.1	22	79	25	30	28
Hams Fk blw Pole Ck nr Frontier							
APR-JUL	23	29	33	51	38	45	65
MAY-JUL	17.0	23	27	45	32	39	60
Hams Fork Inf to Viva Naughton Res							
APR-JUL	28	36	42	47	49	61	89
MAY-JUL	16.7	25	31	41	38	50	76
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	310	425	515	43	615	785	1190
MAY-JUL	215	330	420	41	520	690	1035

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
FONTENELLE	344.8	126.7	143.4	143.5
FLAMING GORGE	3749.0	3220.0	3022.0	2952.0
VIVA NAUGHTON RES	42.4	34.4	43.3	28.6

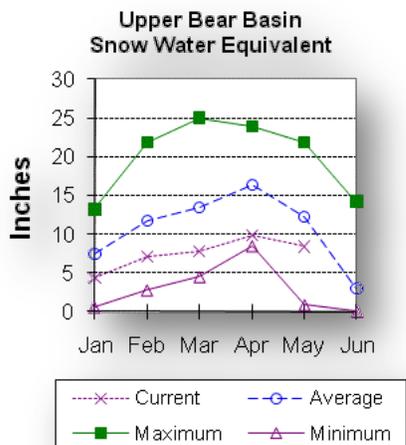
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	64	65
BLACKS FORK	5	108	80
HENRYS FORK	3	87	72
GREEN above Flaming Gorge	25	65	61

Upper Bear River Basin

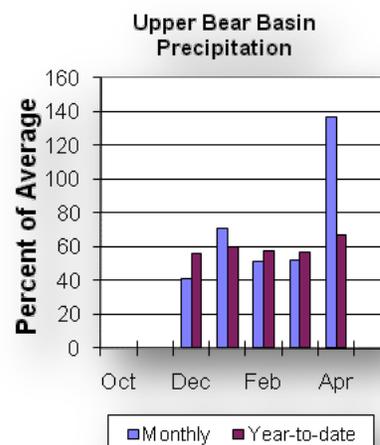
Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 78% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 67% of average. Bear River Basin SWE, above the Idaho State line, is 69% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 137% of average for the 2 reporting stations; this is 118% of the precipitation received last year. The year-to-date precipitation, for the basin, is 67% of average; this is 75% of last year's amount.



Reservoir

Storage in Woodruff Narrows reservoir, is NO REPORT ac-ft (unknown% of average). Current reservoir storage is about unknown% of capacity. Reservoir storage last year at this time was 57,300 ac-ft.

Streamflow

The following 50% exceedance forecasts are for the May through September period. The Bear River near the Utah-Wyoming State Line is 95,000 ac-ft (80% of average). The Bear River above Reservoir near Woodruff is 75,000 ac-ft (62% of average). The Smiths Fork River near Border is 64,000 ac-ft (57% of average). See the following table for more detailed information on projected runoff.

UPPER BEAR RIVER BASIN
Streamflow Forecasts - May 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	
Bear R nr UT-WY State Line						
APR-JUL	66	80	89	79	98	112
APR-SEP	75	90	100	80	110	125
MAY-JUL	63	76	84	79	92	105
MAY-SEP	72	86	95	80	104	118
Bear R abv Resv. nr Woodruff						
APR-JUL	57	75	88	65	101	119
APR-SEP	59	77	90	63	103	121
MAY-JUL	44	61	73	63	85	102
MAY-SEP	46	63	75	62	87	104
Smiths Fk nr Border, WY						
APR-JUL	40	51	58	56	65	76
APR-SEP	50	62	71	59	80	92
MAY-JUL	32	43	51	54	59	70
MAY-SEP	42	55	64	57	73	86

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

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

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

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

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

UPPER BEAR RIVER BASIN
Watershed Snowpack Analysis - May 1, 2010

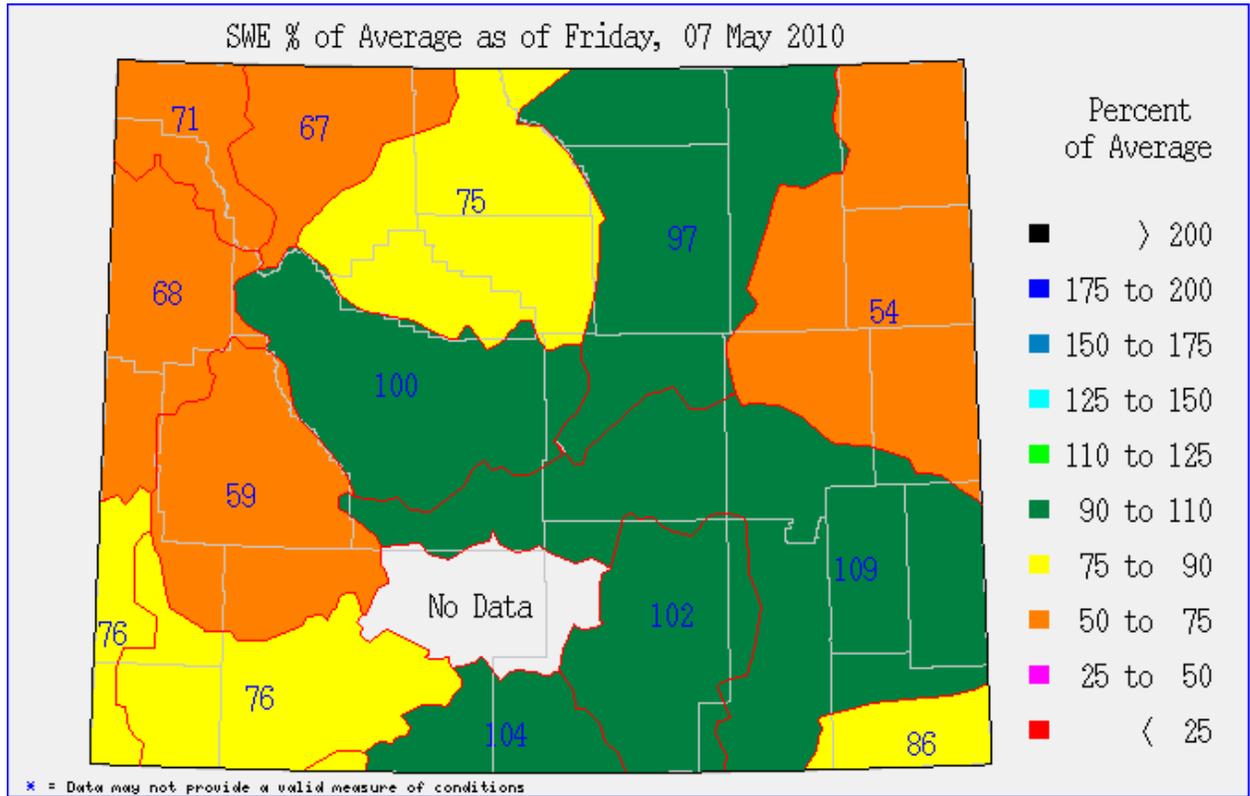
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	7	76	78
SMITHS & THOMAS FORKS	4	65	67
BEAR RIVER abv ID line	9	69	69
NORTHWEST	66	58	62
NORTHEAST	20	65	68
SOUTHEAST	34	90	93
SOUTHWEST	34	70	70

Issued by

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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:

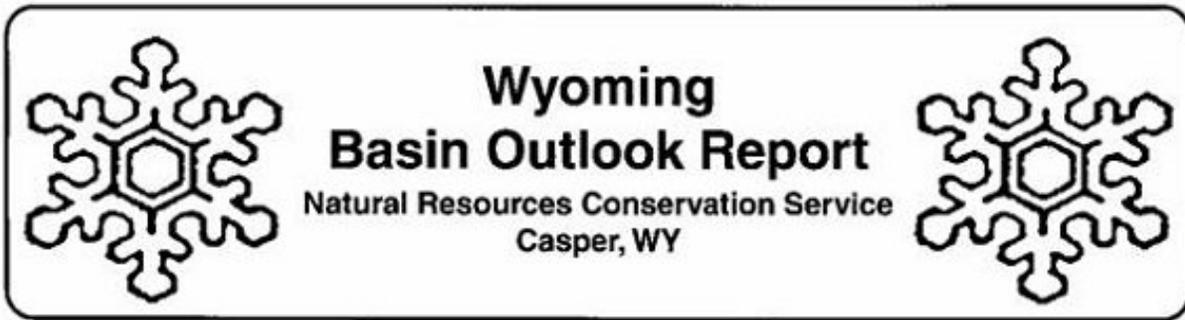
The Wyoming State Engineer's Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins



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