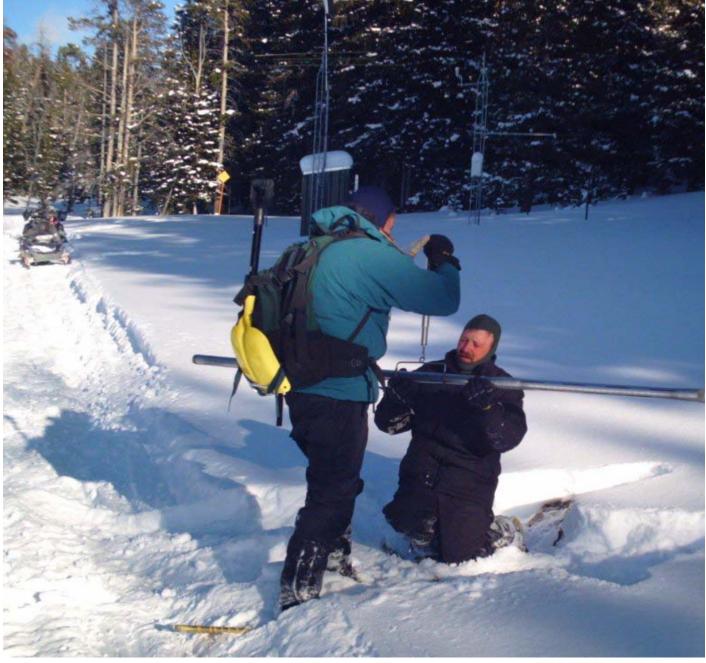
United States Department of Agriculture

> Natural Resources Conservation Service

Wyoming Basin Outlook Report April 1, 2010



USDA

Basin Outlook Reports And Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact:

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

How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be either above or below, the predicted value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast is. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making their operational decisions. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

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Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is below average for April 1st at 73%. March precipitation for the basins varied from 46-135% of average. Year-to-date precipitation for Wyoming basins varied from 56-106% of average. Forecasted runoff varies from 31-104% of average across the Wyoming basins for an overall average of 53%. Basin reservoir levels for Wyoming vary from 81-192% of average for an overall average of 112%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below average for this time of year at 73%. SWE in the NW portion of Wyoming is now about 59% of average (61% of last year). NE Wyoming SWE is currently about 76% of average (68% of last year). The SE Wyoming SWE is currently about 87% of average (85% of last year). The SW Wyoming SWE is about 68% of average (70% of last year).

Precipitation

Last month's precipitation was below average across Wyoming. The Upper Green River Basin had the lowest precipitation for the month at 46% of average. The Lower North Platte Basin had the highest precipitation amount at 135% of average. The following table displays the major river basins and their departure from average for this month.

	Departure	De	eparture
Basin	from average	Basin from	average
Snake River	-41%	Upper North Platte River	+13%
Yellowstone & Madison	-33%	Lower North Platte	+35%
Wind River	+13%	Little Snake River	-7%
Big Horn	-26%	Upper Green River	-54%
Shoshone & Clarks Fork	c −20%	Lower Green River	-45%
Powder & Tongue River	-26%	Upper Bear River	-48%
Belle Fourche & Cheyer	nne -43%		

Streams

Stream flow yield for April 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 35-114% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 49 and 63% of average, respectively; 35-64% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 58% and 46% of average, respectively; varying from 46-86% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 63% of average; varying from 61-68% of average: Yields from the Powder & Tongue River Basins are expected to be about 49 and 50% of average, respectively; varying from 48-73% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 106% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 69 and 61% of average, respectively; varying from 61-114% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 76, 38, and 52% of average respectively; yield estimates vary from 42-76% of average:

Reservoirs

Reservoir storage for March varies widely across the state however reservoir storage is at 112% of average for the entire state. Reservoirs on the North Platte River are above average at 108% of average. Reservoirs in the

Wyoming Water Supply Outlook Report

northeast are nearly average in storage at 99%. Reservoirs in the Wind River Basin are average at 100%. Reservoirs on the Big Horn are above average at 110%. The Buffalo Bill Reservoir on the Shoshone is above average at 109%. Reservoirs on the Green River are above average at 108%. 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 SURF	ROUNDING STA	TES			
ALCOVA	86	86	87	99	100
ANGOSTURA	69	61	90	76	113
BELLE FOURCHE	84	95	73	114	89
BIG SANDY	52	37	54	96	141
BIGHORN LAKE	70	68	60	116	103
BOYSEN	93	93	93	100	101
BUFFALO BILL	66	67	60	109	98
BULL LAKE	53	59	56	94	89
DEERFIELD	94	97	89	106	97
EDEN		NO REPORT			
ENNIS LAKE	73	70	76	96	103
FLAMING GORGE	85	80	78	109	107
FONTENELLE	32	32	41	78	101
GLENDO	72	64	84	85	112
GRASSY LAKE	85	87	81	105	98
GUERNSEY	48	44	45	107	109
HEBGEN LAKE	80	75	69	116	106
JACKSON LAKE	75	77	57	130	97
KEYHOLE	54	51	59	93	107
PACTOLA	98	98	85	115	99
PALISADES	89	79	67	133	113
PATHFINDER	72	40	73	99	182
PILOT BUTTE	83	80	69	120	104
SEMINOE	68	52	49	139	131
SHADEHILL	79	142	78	102	56
TONGUE RIVER	73	79	38	192	93
VIVA NAUGHTON RE	ES 61	0	66	93	0
WHEATLAND #2	82	52	55	150	157
WOODRUFF NARROWS	5 89	91	57	156	97
TOTAL OF 28 RES	1. 77	70	69	112	110
Raw KAF Totals (Current=1023	7 Last Year:	=9340 Averag	ge=9147 Capa	city=13288

BASIN SUMMARY OF SNOW COURSE DATA

MARCH 2010

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course	e and SNOTEL	Stations	5			
ALBANY	9400	3/30/10		13.8	12.3	13.7
ASTER CREEK	7750	3/30/10		12.4	28.6	30.5
BALD MOUNTAIN SNOT		4/01/10		13.1	18.9	19.9
BASE CAMP SNOTEL	7030	4/01/10		9.4	15.7	18.1
BATTLE MTN. SNOTEL	7440	4/01/10		9.5	17.0	11.0
BEARLODGE DIVIDE	4680	3/28/10	0	.0	3.4	1.3
BEARTOOTH LK. SNOT	EL 9280	4/01/10	58	13.5	23.3	23.6
BEAR TRAP SNOTEL	8200	4/01/10	30	6.6	9.3	5.2
BIG GOOSE SNOTEL	7760	4/01/10	31	7.5	10.1	10.7
BIG PARK	8620	3/30/10	44	12.7	17.6	19.4
BIG SANDY SNOTEL	9080	4/01/10	35	8.0	12.3	14.7
BLACKWATER SNOTEL	9780	4/01/10	63	15.8	25.0	24.8
BLIND BULL SNOTEL	8900	4/01/10	56	14.5	26.6	28.3
BLIND PARK SNOTEL	6870	4/01/10	14	4.5	7.3	8.7
BLUE RIDGE	9620	3/30/10	38	9.2	6.2	11.7
BONE SPGS. SNOTEL	9350	4/01/10	50	11.1	17.5	16.4
BROOKLYN LK. SNOTE	L 10220	4/01/10	68	20.0	23.4	23.9
BURGESS JCT. SNOTE	L 7880	4/01/10	38	9.3	12.5	11.7
BURROUGHS CRK SNOTI	EL 8750	4/01/10	37	8.4	15.7	14.8
CANYON SNOTEL	8090	4/01/10	35	8.0	13.6	13.9
CASPER MTN. SNOTEL	7850	4/01/10	52	14.6	12.2	14.6
CASTLE CREEK	8400	3/31/10	5	1.0	3.6	4.8
CCC CAMP	7000	3/29/10	26	7.6	14.7	12.7
CHALK CK #1 SNOTEL	9100	4/01/10	57	17.4	24.0	24.9
CHALK CK #2 SNOTEL	8200	4/01/10	41	11.5	18.0	16.2
CINNABAR PARK SNOT		4/01/10	56	19.4	22.3	17.9
CLOUD PEAK SNOTEL	9850	4/01/10	48	11.2	17.3	13.5
COLE CANYON SNOTEL	5910	4/01/10	18	5.2	7.1	6.9
COLD SPRINGS SNOTE		4/01/10	31	6.7	7.7	9.0
COTTONWOOD CR SNOTI		4/01/10		15.1	26.9	24.2
CROW CREEK SNOTEL	8830	4/01/10	31	10.4	6.0	9.0
DARBY CANYON	8250	3/31/10	55	14.6	25.6	24.5
DEER PARK SNOTEL	9700	4/01/10	53	13.8	10.9	17.1
DITCH CREEK	6870	3/29/10	7	1.8	4.0	4.1
DIVIDE PEAK SNOTEL	8860	4/01/10		20.2	24.0	20.0
DOME LAKE SNOTEL	8880	4/01/10	38	8.0	13.1	12.6
DU NOIR	8760	4/01/10		2.8E	6.1	8.3
EAST RIM DIV SNOTE		4/01/10		4.9	10.0	13.3
ELBO RANCH	7100	3/29/10	20	4.8	10.5	11.6
ELKHART PARK SNOTE		4/01/10		7.6	12.7	13.6
EVENING STAR SNOTE		4/01/10	73	18.6	30.1	30.1
FOUR MILE MEADOWS	7860	4/01/10	35	6.9	12.4	12.8
FOXPARK	9060	3/29/10	34	9.6	6.3	7.6
GEYSER CREEK	8500	3/31/10	13	2.3	4.8	7.1
GLADE CREEK	7040	3/31/10	45	13.2	22.9	24.3
GRAND TARGHEE SNOT		4/01/10	105	34.1	42.8	
GRANITE CRK SNOTEL	6770	4/01/10		8.8	16.6	18.6
GRANNIER MEADOWS	8860	3/30/10	36	8.5	8.0	14.1
GRASSY LAKE SNOTEL	7270	4/01/10	71	20.2	31.8	36.1

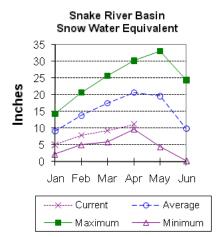
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GRAVE SPRINGS SNOTE	L 8550	4/01/10	35	8.6	9.6	9.4
GROS VENTRE SNOTEL	8750	4/01/10	36	7.5	14.6	14.4
GROVER PARK DIVIDE	7000	3/29/10	20	6.3	12.4	11.2
HAIRPIN TURN	9480	3/31/10	47	13.8	15.8	16.3
HANSEN S.M. SNOTEL	8360	4/01/10	27	5.5	6.7	6.5
HAMS FORK SNOTEL	7840	4/01/10		7.3	11.0	12.0
HASKINS CREEK	8980	3/30/10	76	26.2	32.2	30.0
HOBACK GS	6640	3/24/10	13	4.6	7.9	
HOBBS PARK SNOTEL	10100	4/01/10	68	14.3	12.7	15.1
HUCKLEBERRY DIVIDE	7300	3/29/10	34	10.4	20.7	21.3
INDIAN CREEK SNOTEL		4/01/10		17.2	24.6	28.2
JACKPINE CREEK	7350	3/31/10	51	14.8	21.2	22.2
KELLEY R.S. SNOTEL	8180	4/01/10		9.8	16.3	17.1
KENDALL R.S. SNOTEL		4/01/10	19	5.4	11.7	14.6
KIRWIN SNOTEL	9550	4/01/10	45	8.7	12.8	11.5
LAKE CAMP	7780	4/01/10		6.5E	13.8	10.4
LA PRELE SNOTEL	8380	4/01/10	39	9.5	9.2	11.0
LEWIS LAKE SNOTEL	7850	4/01/10	59	17.1	30.4	35.8
LEWIS LAKE DIVIDE	7850	3/30/10	72	21.4	38.1	42.4
LIBBY LODGE	8750	3/31/10	35	10.1	11.0	10.9
LITTLE BEAR RUN	6240	3/29/10	6	1.6	2.7	2.4
LITTLE WARM SNOTEL	9370 8240	4/01/10 4/01/10	30	6.8 7.4	12.1 16.3	12.0 17.5
LOOMIS PARK SNOTEL	7380		20	7.4 4.8	16.3 6.0	17.5 9.3
LUPINE CREEK MALLO	6420	3/31/10 3/29/10	18	4.0 5.8	8.0 7.1	9.3
MALLO MARQUETTE SNOTEL	8760	4/01/10	28	6.6	6.6	9.0
MEDICINE LODGE LAKE		3/31/10	34	8.9	11.8	11.1
MIDDLE FORK	7420	3/30/10	30	6.9	4.6	6.0
MIDDLE POWDER SNOTE		4/01/10	36	9.5	11.6	11.8
MORAN	6750	3/29/10	24	6.1	12.8	12.4
MOSS LAKE	9800	3/31/10	67	22.6	19.4	23.6
NEW FORK SNOTEL	8340	4/01/10	18	5.0	11.7	11.3
NORRIS BASIN	7500	3/28/10	20	5.3	10.0	10.8
NORTH BARRETT CREEK	9400	3/31/10	70	24.2	22.6	21.5
NORTH FRENCH SNOTEL	10130	4/01/10	98	33.4	35.0	29.5
NORTH RAPID CK SNTL	6130	4/01/10	21	6.9	10.1	8.3
NORTH TONGUE	8450	3/31/10	34	8.3	12.5	13.0
OLD BATTLE SNOTEL	9920	4/01/10		30.1	33.6	32.4
OLD FAITHFUL	7400	4/01/10		6.0E	14.1	13.9
ONION GULCH	8780	3/29/10	30	7.0	8.7	8.3
OWL CREEK SNOTEL	8980	4/01/10	22	5.7	5.6	5.6
PARKERS PEAK SNOTEL		4/01/10	64	17.5	26.2	21.9
PHILLIPS BNCH SNOTE		4/01/10	56	16.3	27.7	29.2
POCKET CREEK SNOTEL		4/01/10	37	6.5		
POLE MOUNTAIN	8700	3/29/10	45	12.1	7.4	8.4
POWDER RVR.PASS SNT		4/01/10	35	8.7	12.6	10.9
PURGATORY GULCH	8970	3/30/10	45	11.6	12.8	11.8
RANGER CREEK	8120	3/31/10	27	6.3	8.5	8.9
RENO HILL SNOTEL	8500	4/01/10	62	15.9	14.3	14.3
REUTER CANYON	6280	4/01/10		6.9E	14.8	8.6
ROWDY CREEK	8300	3/25/10	33	9.0	17.8	21.6
RYAN PARK	8400	3/31/10	36 50	11.4	12.4	10.8
SAGE CK BASIN SNTL	7850 7600	4/01/10	52	15.3	13.4	11.6
SALT RIVER SNOTEL	7600	4/01/10		9.1	14.9	14.6
SAND LAKE SNOTEL	10050	4/01/10	99	29.4	30.5	32.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SANDSTONE RS SNOTEI	L 8150	4/01/10	47	11.3	18.8	14.8
SAWMILL DIVIDE	9260	3/30/10	40	10.1	14.1	13.0
SHELL CREEK SNOTEL	9580	4/01/10	51	11.1	16.9	14.9
SHERIDAN R.S.	7750	3/26/10	б	1.5	4.8	5.8
SNAKE RIVER STATION	1 6920	3/29/10	31	10.0	17.8	20.9
SNAKE RV STA SNOTEI		4/01/10	28	8.8	16.9	19.2
SNIDER BASIN SNOTEI	8060	4/01/10	33	8.8	14.4	14.7
SOLDIER PARK	8780	3/29/10	12	3.1	5.1	5.9
SOUR DOUGH	8460	3/29/10	26	6.5	7.2	7.1
SOUTH BRUSH SNOTEL	8440	4/01/10	42	13.2	13.2	13.2
SOUTH PASS SNOTEL	9040	4/01/10	52	12.4	12.0	16.7
SPRING CRK. SNOTEL	9000	4/01/10	60	16.5	27.2	26.9
ST LAWRENCE ALT SNI	TL 8620	4/01/10	32	7.3	5.7	7.4
SUCKER CREEK SNOTEI	8880	4/01/10	45	10.9	14.6	11.8
SYLVAN LAKE SNOTEL	8420	4/01/10	52	13.2	20.5	22.8
SYLVAN ROAD SNOTEL	7120	4/01/10	27	7.0	14.1	12.9
T CROSS RANCH	7900	3/31/10	8	1.4	6.1	7.2
TETON PASS W.S.	7740	4/01/10	57	14.0	24.2	27.6
THUMB DIVIDE SNOTEI	5 7980	4/01/10	42	9.2	19.3	19.2
THUMB DIVIDE	7980	3/30/10	38	7.3	18.0	19.1
TIE CREEK SNOTEL	6870	4/01/10	8	2.0	5.9	6.1
TIMBER CREEK SNOTEI	5 7950	4/01/10	14	4.1	4.8	5.8
TOGWOTEE PASS SNOTE	EL 9580	4/01/10	66	16.8	27.4	25.2
TOWNSEND CRK SNOTEI	8700	4/01/10	49	10.6	8.4	8.8
TRIPLE PEAK SNOTEI	8500	4/01/10	54	16.3	24.5	25.2
TURPIN MEADOWS	6900	4/01/10	22	4.9	9.8	10.2
TWO OCEAN SNOTEL	9240	4/01/10	72	19.2	38.1	28.4
TYRELL RANGER STA.	8300	3/29/10	17	4.0	8.5	7.6
UPPER SPEARFISH	6500	3/29/10	18	5.5	7.6	6.2
WEBBER SPRING SNOTE	EL 9250	4/01/10	73	21.6	25.2	26.4
WHISKEY PARK SNOTEI	8950	4/01/10	70	25.4	33.4	30.4
WILLOW CREEK SNOTEI	8450	4/01/10		20.1	34.3	30.6
WINDY PEAK SNOTEL	7900	4/01/10	32	8.8	8.7	8.1
WOLVERINE SNOTEL	7650	4/01/10	22	7.0	11.9	11.6
WOOD ROCK G.S.	8440	3/30/10	30	7.1	9.1	10.2
YOUNTS PEAK SNOTEL	8350	4/01/10	44	9.9	18.2	17.3

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is below average at 54%. SWE in the Snake River Basin above Jackson Lake is 51% of average. Pacific Creek Basin SWE is 59% of average. Gros Ventre River Basin SWE is 57% of average. SWE in the Hoback River drainage is 47% of average. SWE in the Greys River drainage is 60% of average. In the Salt River area SWE is 62% of average. SWE in the Snake River Basin above Palisades is 54% of average.



See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

Precipitation

Precipitation across the basin was below average last month. Monthly precipitation for the basin was 59% of average (46% of last year). Last month's percentages range from 19-93% of average for the 16 reporting stations. Water-year-todate precipitation is 60% of average for the Snake River Basin (60% of last year). Year-todate percentages range from 48-74% of average.

Reservoir

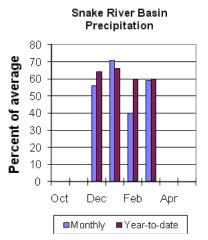
Current reservoir storage is 131% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 105% of

average (12,900 ac-ft compared to 13,200 last year). Jackson Lake storage is 130% of average (631,100 ac-ft compared to 649,900 ac-ft last year). Palisades Reservoir storage is about 133% of average 1,248,700 ac-ft compared to 1,108,700 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 April through September are below average for the basin. The Snake near Moran is 470,000 ac-ft (52% of average). Snake above reservoir near Alpine is 1,110,000 ac-ft (41% of average). The Snake near Irwin is 1,900,000 ac-ft (49% of average). The

Snake near Heise is 2,030,000 ac-ft (49% of average). Pacific Creek near Moran is 87,000 ac-ft (49% of average). Buffalo Fork above Lave near Moran is 200,000 ac-ft (58% of average). Gros Ventre River at Kelly is 85,000 acft (35% of average). Greys River above Palisades Reservoir is 205,000 ac-ft (52% of average). Salt River near Etna is 183,000 ac-ft (44% of average). See the following page for detailed runoff volumes.



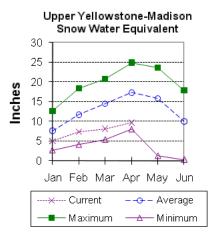
SNAKE RIVER BASIN

<=== Drier
Forecast Pt ====================================
Forecast 90% 70% 50% 30% 10% 30 Yr Avg Period (1000AF) (1000AF) (1000AF) (1000AF) (1000AF) SNAKE nr Moran (1,2) APR-JUL 285 380 425 52 470 565 815 APR-SEP 305 420 470 52 520 635 905 SNAKE abv Resv nr Alpine (1,2) APR-JUL 620 845 945 40 1050 1270 2370 APR-JUL 1060 1380 1530 46 1680 2000 3330 APR-JUL 1060 1380 1530 46 1680 2000 3330 APR-JUL 1260 1500 1660 47 1820 2060 3560 APR-SEP 1560 1840 2030 49 2220 2500 4160 Pacific C A t Moran APR-SEP 1560 1840 230 49 225 301 APR-JUL <
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Pacific Ck At Moran APR-JUL 40 64 81 47 98 122 171 APR-SEP 45 70 87 49 104 129 178 Buffalo Fork ab Lava nr Moran, WY APR-JUL 125 155 175 58 195 225 301 APR-SEP 142 177 200 58 225 260 344 Gros Ventre R at Kelly, WY APR-JUL 4.0 43 70 35 97 136 200 APR-SEP 15.0 57 85 35 113 155 244 Greys R Nr Alpine APR-JUL 126 154 174 51 194 220 340 APR-SEP 146 181 205 52 230 265 395 Salt R Nr Etna APR-JUL 38 99 140 41 181 240 340 <u>APR-SEP 53 130 183 44 235 315 420</u> * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table. The average is computed for the 1971-2000 base period. (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels. (2) - The value is natural volume - actual volume may be affected by upstream water management. (3) - Median value used in place of average. SNAKE RIVER BASIN Reservoir Storage (1000AF) End of March
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(3) - Median value used in place of average. SNAKE RIVER BASIN Reservoir Storage (1000AF) End of March Usable ********* Usable Storage ******** Reservoir Capacity This Year Last Year Average
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JACKSON LAKE 847.0 631.1 649.9 486.6
PALISADES 1400.0 1248.7 1108.7 941.5
SNAKE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2010
Number of This Year as Percent of
Watershed Data Sites Last Year Average
SNAKE above Jackson Lake 9 53 51
SNAKE above Jackson Lake95351PACIFIC CREEK35258
SNAKE above Jackson Lake95351PACIFIC CREEK35258GROS VENTRE RIVER35457HOBACK RIVER55147GREYS RIVER45860
SNAKE above Jackson Lake95351PACIFIC CREEK35258GROS VENTRE RIVER35457HOBACK RIVER55147

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been below average so far this year. Snow water equivalent (SWE) is at 53% 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.

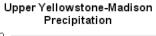
Precipitation

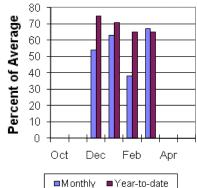
Last month precipitation in the Madison and Yellowstone drainage was about 67% of average (40% of last year). The 5 reporting stations percentages range from 38-91% of average. Wateryear-to-date precipitation is about 65% of average (62% of last year's amount). Year to date percentage ranges from 57-75%.

Reservoir

Ennis Lake is storing about 29,900

ac-ft of water (73% of capacity, 96% of average or 103% of last year's volume). Hebgen Lake is storing about 301,600 ac-ft of water (80% of capacity, 116% of average or 106% of last year's volume). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.





Streamflow

The 50% exceedance forecasts for April through September are below average for the basins. Yellowstone at Lake Outlet is 440,000 ac-ft (55% of average). Yellowstone at Corwin Springs will

yield around 1,230,000 ac-ft (62% of average). Yellowstone near Livingston will yield around 1,410,000 ac-ft (62 of average). Hebgen Reservoir inflow is 325,000 ac-ft (64% of average). See the following page for detailed runoff volumes.

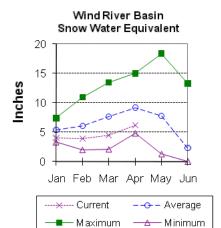
UPPER YELLOWSTONE & MADISON RIVER BASINS

			======================================	-			
	<=== Dr	ier ===	Future Co	nditions	=== Wett	er ===>	
	İ						
Forecast Pt	=======	======	Chance of	Exceeding	g * =====	=======	
Forecast	90%	70%	50		30%	10%	30 Yr Avg
Period	(1000AF)) (1000AF)		•		
						==========	
YELLOWSTONE APR-JUL	at Lake Ou 240	295	335	57	375	430	590
APR-SEP	315	390	440	55	490	565	805
	515	570	110	55	190	303	000
YELLOWSTONE	RIVER at C	orwin Sp	rings				
APR-JUL	765	935	1050	64	1160	1330	1650
APR-SEP	880	1090	1230	62	1370	1580	1970
YELLOWSTONE		-		60	1050	1560	1000
APR-JUL	840	1050	1200	63	1350	1560	1900
APR-SEP	980	1240	1410	62	1580	1840	2280
HEBGEN Reser	voir Inflo	T A7					
APR-JUL	199	230	250	63	270	300	395
APR-SEP	265	300	325	64	350	385	505
===========	==========	=======	============	=========		==========	
							lities that
the act	ual volume	will ex	ceed the vo	lumes in	the table	•	
The avera	ge is comp	uted for	the 1971-2	000 base	period.		
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	er managem		vorune de	cuur vort		arrected	by upbeream
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============						==========	
			UPPER YELLC	WSTONE &	MADISON R	IVER BASIN	IS
			torage (100				
===========	==========	======					
_			Usable			e Storage	
Reservoir			Capacity	This Ye		t Year	Average
ENNIS LAKE			41.0	29		28.9	31.2
HEBGEN LAKE			377.5	301		284.4	259.6
======================================			============	========	. • ===========	=======================================	===========
		=======				===========	
			UPPER YELLC	WSTONE &	MADISON R	IVER BASIN	IS
	Wat	ershed S	nowpack Ana	lysis - A	April 1, 2	010	
	=======	======					
			Number c			ear as Per	
Watershed			Data Sit		Last Y		Average
			_	=======			
MADISON RIVE		v	8		57		53
YELLOWSTONE	KIVER IN W	T	12		56		60

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir has below average snow water equivalent (SWE 67%) for this time of the year. SWE in the Wind River above Dubois is 50% of average. The Little Wind SWE is 96% of average, and the Popo Agie drainage SWE is about 85% of average. See the "Basin Summary of



Snow Course Data" at the front of this report for details.

Precipitation

Last months precipitation in the basin varied from 52-179% of average. Precipitation, for the basin, was about 113% of average from the 8 reporting stations; that is about 86% of last year's amount. Water year-to-date precipitation is 74% of average and about 74% of last year at this time. Year-to-date percentages range from 39-105% of average.

Reservoirs

Current storage varies from 94-120% of average.

Usable storage in Bull Lake is currently about 80,500 ac-ft (94% of average) - the reservoir is about 89% of last year. Boysen Reservoir is storing about 100% of average (554,700 ac-ft) - the reservoir is about 101% of last year. Pilot Butte is at 120% of average (26,300 ac-ft) - the reservoir is about 104% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Percent of Average 80 60 40 20 Ω Oct Dec Feb

120

100

Wind River Basin

Precipitation

■Monthly ■Year-to-date

Streamflow

The 50% exceedance forecasts for the April through September runoff period for the basin are below average. Dinwoody Creek near Burris is 67,000 acft (71% of average). The Wind River above Bull

Lake Creek is 275,000 ac-ft (51% of average). Bull Lake Creek near Lenore is 150,000 ac-ft (82% of average). Wind River at Riverton will yield around 400,000 ac-ft (63% of average). Little Popo Agie River near Lander is around 42,000 ac-ft (79% of average). South Fork of Little Wind near Fort Washakie will yield around 72,000 ac-ft (86% of average). Little Wind River near Riverton will yield around 240,000 ac-ft (76% of average). Boysen Reservoir inflow will yield around 470,000 ac-ft (58% of average). See the following page for detailed runoff volumes.

Apr

WIND RIVER BASIN

Streamflow	Forecasts	_	April	1.	2010
DCTCUMTION	TOTCCUDCD		TTPTT	÷,	2010

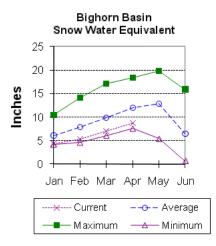
C=== Drier === Future Conditions === Wetter ===> Forecast 90% 70% 50% 30% 10% 30 Yr Avg Period (1000AF) (1000AF) (1000AF) (1000AF) (1000AF) DINMOODY CREEK NF Burris APR-JUL 38 44 46 72 52 58 67 APR-SEP 54 62 67 71 72 80 94 MIND RIVER aby Buil Lake Cr (2) APR-SEP 162 230 275 51 220 390 535 BULL LAKE CR near Lenore APR-JUL 89 10 125 85 140 161 148 APR-SEP 104 131 150 82 169 196 182 WIND RIVER at Riverton (2) APR 35 400 63 465 560 640 IF POPO AGLE RIVER nr Lander APR 37 84 73 384 73 APR-SEP 26						1, 2010				
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BULL LAKE CR near Lenore APR-JUL 89 110 125 85 169 161 148 APR-JUL 235 315 365 67 415 495 545 APR-SEP 120 335 400 63 465 560 640 LT POPO AGITE RIVER nr Lander	APR-JUL	125	182	220	51	260	315	435		
APR-JUL 89 110 125 85 140 161 148 MNR RVER at Riverton (2) APR-SEP 104 131 150 82 169 196 182 MPR-JUL 235 315 365 67 415 495 545 APR-SEP 240 335 400 63 465 560 640 LT POPO AGIE RIVER nr Lander APR-SEP 26 36 42 79 48 58 53 SF LT WIND nr Fort Washakie APR-SEP 49 63 72 86 81 95 84 LT WIND RIVER nr Riverton APR-JUL 85 162 215 77 270 345 280 APR-SUL 85 162 215 77 270 345 280 APR-SUL 89 290 425 59 560 760 717 APR-SEP 99 320 470 58 620 840 809<	APR-SEP	162	230	275	51	320	390	535		
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APR-SEP 26 36 42 79 48 58 53 SF LT WIND nr Fort Washakie APR-SEP 49 63 72 86 81 95 84 LT WIND RIVER nr Riverton APR-SEP 49 63 72 86 81 95 84 LT WIND RIVER nr Riverton APR-SEP 95 181 240 76 300 385 315 BOYSEN RESERVOIR Inflow (2) APR-SEP 99 220 470 58 620 840 809 ************************************				26	7.0	4.0	FO	10		
SF LT WIND nr Fort Washakie APR-JUL 46 57 65 89 73 84 73 APR-SEP 49 63 72 86 81 95 84 LT WIND RIVER nr Riverton APR-JUL 85 162 215 77 270 345 280 APR-JUL 85 161 240 76 300 385 315 BOYSEN RESERVOIR Inflow (2) APR-JUL 89 290 425 59 560 760 717 APR-SEP 99 320 470 58 620 840 809 Ferreser Soft, Totk, 50%, 30%, and 10% chances of exceeding are actually 5% and 95% exceedance levels. (2)										
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APR-SEP 49 63 72 86 81 95 84 LT WIND RIVER nr Riverton APR-JUL 85 162 215 77 270 345 280 APR-SEP 95 181 240 76 300 385 315 BOYSEN RESERVOIR Inflow (2) APR-JUL 89 290 425 59 560 760 717 APR-SEP 99 320 470 58 620 840 809 ***********************************				65	89	73	84	73		
LT WIND RIVER nr Riverton APR-JUL 85 162 215 77 270 345 280 APR-SEP 95 181 240 76 300 385 315 BOYSEN RESERVOIR Inflow (2) APR-JUL 89 290 425 59 560 760 717 APR-SEP 99 320 470 58 620 840 809 ************************************										
APR-JUL 85 162 215 77 270 345 280 APR-SEP 95 181 240 76 300 385 315 BOYSEN RESERVOR Inflow (2) APR-JUL 89 290 425 59 560 760 717 APR-SEP 99 320 470 58 620 840 809 ************************************				, _	00	01	20	01		
APR-SEP 95 181 240 76 300 385 315 BOYSEN RESERVOIR Inflow (2) APR-JUL 89 290 425 59 560 760 717 APR-SEP 99 320 470 58 620 840 809 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 to actual volume may be affected by upstream water management. (3) - Median value used in place of average. Usable ********** Usable Storage ******** Reservoir Capacity This Year Last Year Average WIND RIVER BASIN Reservoir Usable ************************************				215	77	270	345	280		
APR-JUL8929042559560760717APR-SEP9932047058620840809***********************************							385			
APR-SEP9932047058620840809* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.*********************************		VOIR Inflo	w (2)							
<pre>* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table. The average is computed for the 1971-2000 base period. (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels. (2) - The value is natural volume - actual volume may be affected by upstream water management. (3) - Median value used in place of average. WIND RIVER BASIN Reservoir Storage (1000AF) End of March Usable ********* Usable Storage ******** Reservoir Capacity This Year Last Year Average BULL LAKE 151.8 80.5 90.1 85.3 BOYSEN 596.0 554.7 551.3 552.8 PILOT BUTTE 31.6 26.3 25.2 21.9 WIND RIVER BASIN Watershed Snowpack Analysis - April 1, 2010 Number of This Year as Percent of Watershed Data Sites Last Year Average</pre>	APR-JUL	89	290	425	59	560	760	717		
<pre>* 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.</pre>	APR-SEP	99	320	470	58	620	840	809		
the actual volume will exceed the volumes in the table. The average is computed for the 1971-2000 base period. (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels. (2) - The value is natural volume - actual volume may be affected by upstream water management. (3) - Median value used in place of average. WIND RIVER BASIN Reservoir Storage (1000AF) End of March Usable ********* Usable Storage ******** Reservoir Capacity This Year Last Year Average BULL LAKE 151.8 80.5 90.1 85.3 BOYSEN 596.0 554.7 551.3 552.8 PILOT BUTTE 31.6 26.3 25.2 21.9 WIND RIVER BASIN Watershed Snowpack Analysis - April 1, 2010 Number of This Year as Percent of Watershed Data Sites Last Year Average	===========	==========	=========			=========		============		
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<pre>(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels. (2) - The value is natural volume - actual volume may be affected by upstream water management. (3) - Median value used in place of average. WIND RIVER BASIN Reservoir Storage (1000AF) End of March Usable ********* Usable Storage ******** Reservoir Capacity This Year Last Year Average BULL LAKE 151.8 80.5 90.1 85.3 BOYSEN 596.0 554.7 551.3 552.8 PILOT BUTTE 31.6 26.3 25.2 21.9 WIND RIVER BASIN Watershed Snowpack Analysis - April 1, 2010 Number of This Year as Percent of Watershed Data Sites Last Year Average</pre>						-	-	ilities that		
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Watershed Data Sites Last Year Average	the act The avera (1) - The act (2) - The wat (3) - Med ====================================	ual volume ge is comp values li ually 5% a value is er managem ian value Res eressessessessessessessessessessessesses	e will exa puted for sted unde and 95% ex natural v ment. used in p ervoir St ervoir St ervoir St ershed St	the 1971-20 the 1971-20 er the 10% a kceedance 16 volume - act place of ave usable Capacity 151.8 596.0 31.6 WIND RIVER H howpack Ana	lumes in 000 base and 90% C evels. cual volu erage. BASIN DAF) End ======== 80. 554. 26. BASIN Lysis - P	the table period. Chance of ame may be of March extra Las ar Las 5 7 3 expril 1, 2	Exceeding affected ====================================	are by upstream ******** Average 85.3 552.8 21.9		
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Wyoming Water Supply Outlook Report 12

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is below average at 73%.



The Nowood River is at 77% of average. The Greybull River SWE is at 74% of average. Shell Creek SWE is 69% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

Precipitation

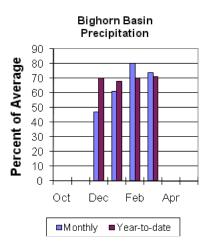
Last month's precipitation was 74% of average (87% of last year). Sites ranged from 35-152% of average for the month. Year-to-date precipitation is 71% of average; that is 68% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 58-88%.

Reservoir

Boysen Reservoir is currently storing 554,700 acft (100% of average). Bighorn Lake is now at 116% of average (943,400 ac-ft). Boysen is currently storing 101% of last year volume at this time and Big Horn Lake is storing 103% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 470,000 ac-ft (58% of average); the Greybull River near Meeteetse should yield around 117,000 ac-ft (59% of average); Shell Creek near Shell should yield around 53,000 ac-ft (74% of



average) and the Bighorn River at Kane should yield around 510,000 ac-ft (46% of average). See the following page for detailed runoff volumes.

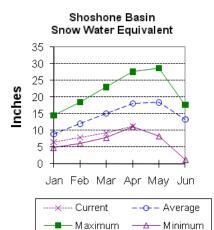
BIGHORN RIVER BASIN

	:	Streamflow	w Forecast	s - Apri	1 1, 2010		
===========	======================================	=========	======================================	nditions	======================================	======================================	==================
	<=== DI. 	lei 1	rucuie co	marcrons	Well	EI>	
Forecast Pt	 =========	======= (Chance of	Exceeding	q * =====		
Forecast	90%	70%	50		30%	10%	30 Yr Avq
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
================	=======================================	===========				==========	
BOYSEN RESER		w (2)					
APR-JUL	89	290	425	59	560	760	717
APR-SEP	99	320	470	58	620	840	809
	ED mm Moot	action					
GREYBULL RIV APR-JUL	43	69	87	59	105	131	148
APR-SEP	63	95	117	59	139	171	200
	05	23	11/	55	100	± / ±	200
SHELL CREEK	nr Shell						
APR-JUL	30	38	44	73	50	58	60
APR-SEP	37	46	53	74	60	69	72
BIGHORN RIVE	R at Kane	(2)					
APR-JUL	200	290	500	50	710	1020	1000
APR-SEP	205	280	510	46	740	1080	1110
The average (1) - The actr (2) - The wate	<pre>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.</pre>						
(3) - Med.	ian value ==========	-		-			
		B	IGHORN RIV	VER BASIN			
	Res	ervoir Sto	orage (100	OAF) End	of March		
============	===========						
			Usable		**** Usabl	5	* * * * * * * * *
Reservoir		(Capacity	This Ye		t Year	Average
					==================		
BOYSEN BIGHORN LAKE			596.0 1356.0	554 943		551.3 917.0	552.8 809.9
BIGHORN LAKE			1350.0	943	.4 ===========	917.0	809.9
=================	===========	:					
		B	IGHORN RIV	VER BASIN			
	Wate	ershed Sno	owpack Ana	alysis - A	April 1, 2	010	
===============							
			Number o			ear as Pei	
Watershed			Data Sit		Last Y		Average
NOWOOD RIVER			========= 5		======== 72		======= 77
GREYBULL RIVER	FD		5		72		74
SHELL CREEK			4		67		69
BIGHORN (Boys	sen-Bighor	n)	11		70		73
==================	=============	, ==============					

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is below average for this time of year. Snow Water Equivalent (SWE) is 61% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 63% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Precipitation for last month was 80% of average (54% of last year). Monthly percentages range from 56-100% of average. The basin year-to-date precipitation is now 66% of average (62% of last year). Year-to-date percentages range from 51-78% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 109% of average (98% of last year's

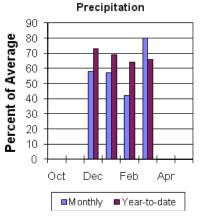
storage) - the reservoir is at about 66% of capacity. Currently, about

425,900 ac-ft are stored in the reservoir compared to 432,900 ac-ft last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be below average for the basin. The North Fork Shoshone River at Wapiti is 355,000 ac-ft (68% of average). The South Fork of the Shoshone River near Valley is

164,000 ac-ft 62% of average), and the South Fork above Buffalo Bill Reservoir runoff is 142,000 ac-ft (63% of average). The Buffalo Bill Reservoir inflow is expected to yield around 520,000 ac-ft (65% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 360,000 ac-ft (61% of average). See the following page for detailed runoff volumes.



Shoshone Basin

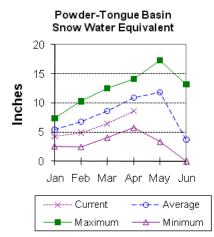
SHOSHONE & CLARKS FORK RIVER BASINS Streamflow Forecasts - April 1, 2010

Streamflow Forecasts - April 1, 2010							
	========== <=== Dri				========== === Wett	======================================	=================
		101 1	ucuic co		WCCC	CI	
Forecast Pt	========	===== C	hance of	Exceeding	g * =====	=======	
Forecast	90%	70%) %	30%	10%	30 Yr Avg
Period	(1000AF)				(1000AF)		
NF SHOSHONE			========	=========			
APR-JUL	240	285	315	69	345	390	460
APR-SEP	265	320	355	68	390	445	520
SF SHOSHONE		-					
APR-JUL	106 120	128 146	143 164	64 62	158 182	180 210	225 265
APR-SEP	120	140	104	62	182	210	205
SF SHOSHONE	RIVER abv H	Buffalo Bi	11				
APR-JUL	75	113	138	64	163	200	215
APR-SEP	74	114	142	63	170	210	225
		()					
BUFFALO BILL APR-JUL		. ,	175	6 G	E 2 O	610	720
APR-JUL APR-SEP	340 360	420 455	475 520	66 65	530 585	610 680	720 805
MIR DEI	500	155	520	05	505	000	005
CLARKS FORK	RIVER nr Be	elfry					
APR-JUL	255	305	340	63	375	425	540
APR-SEP	265	320	360	61	400	455	595
 * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table. The average is computed for the 1971-2000 base period. (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels. (2) - The value is natural volume - actual volume may be affected by upstream water management. (3) - Median value used in place of average. 							
					ORK RIVER		
		ervoir Sto					
Reservoir			Usable apacity		**** Usabl Par Las	e Storage t Year	Average
===========							-
BUFFALO BILL			646.6	425	.9	432.9	390.9
			========				
					 DRK RIVER		
	Wate	ershed Sno					
			Number o		This Y	ear as Per	cent of
Watershed			Data Sit		Last Y		Average
SHOSHONE RIV			======= 6	========	======== 62		61 61
CLARKS FORK			7		61		63
	============		-				

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 71% of average. The Goose Creek drainage is 71% of average. SWE in the Clear Creek drainage is 80% of average. Crazy Woman Creek drainage is 84% of average. Upper Powder River drainage SWE is 88% of average. Powder River Basin SWE in Wyoming is 84% of average. For more information see "Basin Summary of Snow



Course Data" at the beginning of this report.

Precipitation

Last month's precipitation was 74% of average for the 9 reporting stations (84% of last year). Monthly percentages range from 46-147% of average. Year-to-date precipitation is 75% of average in the basin; this is 67% of last year at this time. Precipitation for the year ranges from 61-88% of average.

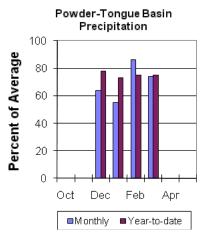
Reservoir

The Tonque River Reservoir is at 73% of capacity; 192% of average; and 93% of last year at 57,700 ac-ft.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be below average for the basins. The yield for Tongue River near Dayton is 72,000 ac-ft (66% of average). Big Goose Creek near Sheridan is 34,000 ac-ft (57% of average). Little Goose Creek near Bighorn is 26,000 ac-

ft (62% of average). The Tongue River Reservoir Inflow is 123,000 ac-ft (49% of average). The Middle Fork of the Powder River near Barnum is 13,200 ac-ft (71% of average). The North Fork of the Powder River near Hazelton should yield around 7,600 ac-ft (73% of average). Rock Creek near Buffalo will yield about 14,400 ac-ft (60% of average), and Piney Creek at Kearny should yield about 29,000 ac-ft (56% of average). The Powder River at Moorehead is 114,000 ac-ft (50% of average). The Powder River near Locate is 124,000 ac-ft (48 of average). See the following page for detailed runoff volumes.



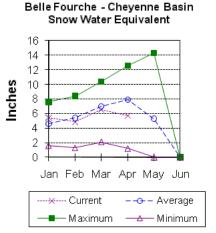
POWDER & TONGUE RIVER BASINS

================							
Research Dh	1		Future Con				
Forecast Pt Forecast	1	====== 70%	l 50	-			30 Yr Avg
	1) (1000AF)	· .			
TONGUE RIVER		(2)					
APR-JUL	36	52	63	66	74	90	96
APR-SEP	42	60	72	66	84	102	109
BIG GOOSE CRI APR-JUL	LEK NY SNE 14.1	ridan 24	30	58	36	46	52
APR-SEP	17.7	24	34	57	41	40 50	60
LITTLE GOOSE			54	57	-11	50	00
APR-JUL	11.1	17.0	21	62	25	31	34
APR-SEP	15.2	22	26	62	30	37	42
TONGUE RIVER	RESERVOIR	Inflow ((2)				
APR-JUL	46	75	115	52	155	215	220
APR-SEP	49	81	123	49	165	230	250
MIDDLE FORK							
APR-JUL	7.1	10.5	12.8	72	15.1	18.5	17.8
APR-SEP	7.4	10.8	13.2	71	15.6	19.0	18.7
NORTH FORK PO	OWDER nr Ha 4.6		7 0	73	8.0	9.4	0 6
APR-JUL APR-SEP	4.0 5.0	6.0 6.5	7.0 7.6	73	8.7	9.4 10.2	9.6 10.4
ROCK CREEK n:		0.5	7.0	15	0.7	10.2	10.4
APR-JUL	4.8	9.1	12.0	60	14.9	19.2	19.9
APR-SEP	6.8	11.3	14.4	60	17.5	22	24
PINEY CREEK a							
APR-JUL	8.1	20	28	57	36	48	49
APR-SEP	8.4	21	29	56	37	50	52
POWDER RIVER	at Mooreh	ead					
APR-JUL	41	59	102	50	149	215	205
APR-SEP	46	67	114	50	162	235	230
POWDER RIVER		6.0	11/	4.0	170	25.0	225
APR-JUL	46	68 72	114 124	49	170	250 270	235 260
							lities that
			ceed the vol				
			the 1971-2				
			er the 10% a	_		Exceeding	are
			ceedance le			_	
(2) - The	value is a	natural v	volume - act	tual volum	ne may be	affected	by upstream
	er managem						
			place of ave				
===========							
	Dog		POWDER & TO				
	Res	ervoir su	_orage (100	UAF) ENG (or March		
			Usable	*******	*** Usabl	e Storage	*****
Reservoir			Capacity			t Year	Average
=============	===========	=========					-
TONGUE RIVER			79.1	57.7	7	62.1	30.1
		I	POWDER & TO	NGUE RIVER	R BASINS		
			nowpack Ana				
=============	==========	========					
			Number of			ear as Per	
Watershed			Data Site		Last Y		Average
UPPER TONGUE			======================================		======= 68		======= 71
GOOSE CREEK	KT A EK		10		68 69		71 71
CLEAR CREEK			4		72		80
CRAZY WOMAN	CREEK		3		72		84
UPPER POWDER			4		75		88
POWDER RIVER			8		74		84

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 72% 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 57% of average or 39% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 50-73%. Year-to-date precipitation is 104% of average and 73% of last year's amount. Yearly percentages range from 100-108% of average.

Reservoir

Current reservoir storage is around 99% of average in the basin. Angostura is currently storing 76% of average (83,900 ac-ft), about 69% of capacity. Belle Fourche reservoir is storing

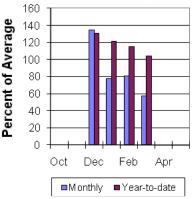
114% of average (149,700 ac-ft), about 84% of capacity. Deerfield reservoir is storing 106% of average (14,300 ac-ft), about 94% of capacity. Keyhole reservoir is storing 93% of average (105,200 ac-ft), about 54% of capacity. Pactola reservoir is storing 115% of average (53,700 ac-ft), about 98% of

capacity. Shadehill reservoir is storing 102% of average (64,600 ac-ft), about 79% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following runoff values are the 50% exceedance forecasts for the April through July period. The Deerfield Reservoir Inflow is 5,500 ac-ft (108% of average). Pactola Reservoir Inflow is expected to yield around 24,000 ac-ft (104% of average). See the following page for detailed runoff volumes.





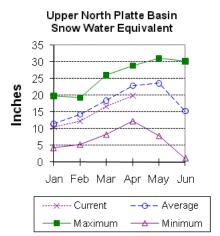
BELLE FOURCHE & CHEYENNE RIVER BASINS

<=== 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)
Forecast Pt ======== Chance of Exceeding * ======= Forecast 90% 70% 50% 30% 10% 30 Yr Avg Period (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF)
Forecast 90% 70% 50% 30% 10% 30 Yr Avg Period (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
Forecast 90% 70% 50% 30% 10% 30 Yr Avg Period (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
Period (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
Period (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
DEERFIELD RESERVOIR Inflow
APR-JUL 2.5 4.3 5.5 108 6.7 8.5 5.1
PACTOLA RESERVOIR Inflow
APR-JUL 7.1 17.2 24 104 31 41 23
* 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
BELLE FOURCHE & CHEYENNE RIVER BASINS
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of March
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of March Usable ********** Usable Storage *********
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of March Usable ********** Usable Storage ********* Reservoir Capacity This Year Last Year Average
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of March Usable ********* Usable Storage ******** Reservoir Capacity This Year Last Year Average
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ************************************
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ************************************
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BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable***********************************
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ************************************
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacityThis YearLast YearAverageANGOSTURA122.183.974.1110.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacityThis YearLast YearAverageANGOSTURA122.183.974.1110.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacityThis YearLast YearAverageANGOSTURA122.183.974.1110.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacityThis YearLast YearAverageANGOSTURA122.183.974.1110.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacityThis YearLast YearAverageANGOSTURA122.183.974.1110.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1BELLE FOURCHE & CHEYENNE RIVER BASINS
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable*********************************
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable***********************************
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacity This Year Last Year AverageANGOSTURA122.183.974.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1BELLE FOURCHE & CHEYENNE RIVER BASINS Watershed Snowpack Analysis - April 1, 2010Number of Data SitesThis Year as Percent of Data Sites
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ************************************
BELLE FOURCHE & CHEYENNE RIVER BASINS Reservoir Storage (1000AF) End of MarchUsable ******** Usable Storage *******ReservoirCapacity This Year Last Year AverageANGOSTURA122.183.974.1BELLE FOURCHE178.4149.7169.1130.9DEERFIELD15.214.314.813.5KEYHOLE193.8105.298.1113.5PACTOLA55.053.754.146.8SHADEHILL81.464.6115.963.1BELLE FOURCHE & CHEYENNE RIVER BASINS Watershed Snowpack Analysis - April 1, 2010Number of Data SitesThis Year as Percent of Data Sites

Upper North Platte River Basin

Snow

The SNOTELS and snow courses above Seminoe Reservoir are showing about 87% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 73% of average at this time. SWE in the Encampment River drainage is about 88% of average. Brush Creek SWE for the year is about 106% of average. Medicine Bow and Rock Creek drainages SWE are about 90% 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 113% of average or 97% of last year's amount. Precipitation varied from 56-174% of average last month. Total water-year-to-date precipitation is about 104% of average for the basin, which is about 93% of last year's amount. Year to date percentage ranges from 73-128% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing

689,200 ac-ft or 68% of capacity. Seminoe Reservoir is also storing about 139% of average for this time of the year and 131% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following yields are the 50% exceedance forecasts for the April through September period and are expected to be below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 148,000 ac-ft (55% of average). The Encampment River near Encampment is 137,000 ac-ft (83% of average). Rock Creek near Arlington is 55,000 ac-ft (97% of

Upper North Platte Basin Precipitation 120 Percent of Average 100 80 60 40 20 0 Dec Feb Oct Apr Monthly ■Year-to-date

average). The Sweetwater River near Alcova forecast is for 45,000 ac-ft (56% of average). Seminoe Reservoir inflow should be around 590,000 ac-ft (69% of average). See the following table for more detailed information on projected runoff.

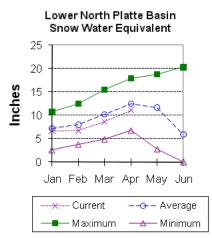
UPPER NORTH PLATTE RIVER BASIN

=======================================	Stre =========	amilow Foreca: ================				=================
	<=== Drier	=== Future (Conditions	=== Wett	er ===>	
Forecast Pt	 ===================================	=== Chance of	f Exceeding	* ======	=======	
Forecast			50%	30%	10%	30 Yr Avg
	(1000AF) (10					
	======================================				========	
APR-JUL		95 133	54	171	225	245
APR-SEP	42 1	05 148	55	191	255	270
	IVER nr Encamp	mont				
APR-JUL	=	15 129	83	143	164	156
APR-SEP	99 1	22 137	83	152	175	165
ROCK CREEK n: APR-JUL	-	47 52	98	57	65	53
APR-SEP		49 55	97	61	69	57
	IVER nr Alcova			F 0	C 0	7.4
APR-JUL APR-SEP		30 41 33 45	55 56	52 57	69 76	74 80
AFR SEF	11.5	55 45	50	57	70	00
SEMINOE RESEN	RVOIR Inflow					
APR-JUL		05 550	69	695	910	800
APR-SEP	192 4	30 590	69	750	990	860
(1) - The actu (2) - The wate (3) - Med:	ge is computed values listed ually 5% and 9 value is natu er management. ian value used 	under the 10 5% exceedance ral volume - a in place of a UPPER NOR ir Storage (10	<pre>% and 90% C levels. actual volu average. FH PLATTE R 000AF) End ==========</pre>	hance of a me may be ======= IVER BASI of March ========	affected ======	by upstream
Reservoir		Capacity	This Ye	ar Las	t Year	Average
SEMINOE		1016.7	689.		528.1	495.9
	Watersh	UPPER NOR: ed Snowpack Ai	TH PLATTE R nalvsis - A			
=======================================	==================					
Watershed		Number Data S:	ites	Last Y		Average
N PLATTE abov	======================================	=======================================	===========	======= 72		73
ENCAMPMENT R		4		84		88
BRUSH CREEK		5		102		106
	& ROCK CREEKS			98		90
N PLATTE abov	ve Seminoe ==============	19 ==========		85 ======		87

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 89% of average. The Sweetwater drainage SWE is currently at 72% of average. Deer and LaPrele Creek SWE are at 100% of average. SWE for the North Platte above the Laramie River drainage is 86% of average. SWE for the Laramie River above Laramie is 95% of average. SWE for the Little Laramie River is 93% of average. The Laramie River above mouth, SWE is 93% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 135% of average or 125% of last year's amount. Of the 8 reporting stations, percentages for the month range from 84-174%. The water year-to-date precipitation for the basin is currently 106% of average (108% of last year). Year-to-date percentages range from 95-162% of average.

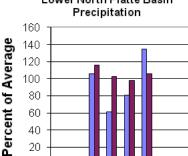
Reservoir

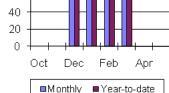
The Lower North Platte River basin reservoir storage is above average at 108%. Reservoir storage is as follows: Alcova 157,700 ac-ft (99% of average); Glendo 362,600 ac-ft (85% of average); Guernsey 22,000 ac-ft (107% of

average); Pathfinder 736,400 ac-ft (99% of average); Seminoe 689,200 ac-ft
(139% of average); and Wheatland #2 81,400 acft (150% of average):
LowerNorth Platte Basin

Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. The Sweetwater near Alcova is forecast to yield about 45,000 ac-ft (56% of average). Deer Creek at Glenrock is forecast to yield 42,000 ac-ft (114% of average). LaPrele Creek above the reservoir is forecast to yield 23,000 ac-ft (96% of average). North Platte - Alcova to Orin Gain is forecast to yield 146,000 ac-ft (91% of average). North Platte River below Glendo Reservoir is 605,000 ac-ft (61% of average), and below Guernsey





Reservoir is anticipated to yield around 620,000 ac-ft (61% of average). Laramie River near Woods Landing should yield around 127,000 ac-ft (94% of average). The Little Laramie near Filmore should produce about 64,000 ac-ft (100% of average). See the following table for more detailed information on projected runoff.

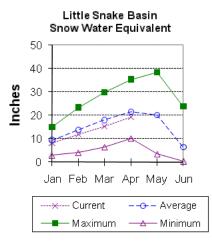
LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

	===========			:===========	=========		============
			Future Co				
Forecast Pt			Chance of				
Forecast		70%	50		30%		30 Yr Avg
	1	(1000AF) (1000AF)	(% AVG.)			-
=============			•				
SWEETWATER R	IVER nr Ald	cova					
APR-JUL	12.9	30	41	55	52	69	74
APR-SEP	14.5	33	45	56	57	76	80
DEER CREEK a	t Glenrock						
APR-JUL	15.3	31	41	111	51	67	37
APR-SEP	16.4	32	42	114	52	68	37
LaPRELE CREE	K abv Rese	rvoir					
APR-JUL	9.2	16.8	22	92	27	35	24
APR-SEP	10.1	17.8	23	96	28	36	24
NORTH PLATTE	- Alcova	to Orin (Gain				
APR-JUL	48	100	136	90	172	225	152
APR-SEP	58	110	146	91	182	235	161
NORTH PLATTE							
APR-JUL	335	495	600	63	705	865	960
APR-SEP	325	495	605	61	715	885	990
NORTH PLATTE		-					
APR-JUL	275	470	605	62	740	935	970
APR-SEP	280	480	620	61	760	960	1010
LARAMIE RIVE							
APR-JUL	76	99	115	94	131	154	123
APR-SEP	83	109	127	94	145	171	135
LITTLE LARAM				100	~ ~		50
APR-JUL	43	52	59	100	66	75	59
APR-SEP					72	83	64 lities that
(1) - The act (2) - The wat	values lis ually 5% an value is n er manageme ian value n	sted undend 95% en natural v ent. used in p	place of av	and 90% Ch levels. stual volum verage.	nance of 1 ne may be	affected	by upstream
	LOWER 1	NORTH PLA	ATTE, SWEEI	WATER & LA	ARAMIE RI	VER BASINS	
			corage (100		of March		1
=========	===========						
Reservoir			Usable	*******	======================================	e Storage	*****
============			Usable Capacity	******* This Yea	*** Usable ar Las	e Storage t Year	********* Average
			Usable Capacity	******** This Yea	======================================	e Storage t Year =======	********* Average
ALCOVA	========		Usable Capacity 184.3	This Yea	*** Usable ar Las =======	e Storage t Year ====================================	Average 160.1
GLENDO			Usable Capacity 184.3 506.4	******** This Yea 157.7 362.6	*** Usable ar Las 7 5	e Storage t Year ========= 158.4 323.5	Average 160.1 427.8
GLENDO GUERNSEY			Usable Capacity 184.3 506.4 45.6	******** This Yea 157.7 362.6 22.0	*** Usabl ar Las 7 5	e Storage t Year ========= 158.4 323.5 20.1	Average 160.1 427.8 20.6
GLENDO GUERNSEY PATHFINDER			Usable Capacity 184.3 506.4 45.6 1016.5	******** This Yea 157.7 362.6 22.0 736.4	*** Usablo ar Las 7 5 0	e Storage t Year ========= 158.4 323.5 20.1 404.8	Average 160.1 427.8 20.6 743.7
GLENDO GUERNSEY PATHFINDER SEMINOE			Usable Capacity 184.3 506.4 45.6 1016.5 1016.7	******** This Yea 157.7 362.6 22.0 736.4 689.2	*** Usabl ar Las 7 5 0 4 2	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1	Average 160.1 427.8 20.6 743.7 495.9
GLENDO GUERNSEY PATHFINDER			Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4	*** Usabl ar Las 7 5 6 1 2 4	e Storage t Year ========= 158.4 323.5 20.1 404.8 528.1 51.7	Average 160.1 427.8 20.6 743.7 495.9 54.3
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2	LOWER 1 Wate	NORTH PLA ershed Si	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 5 4 2 4 ARAMIE RI pril 1, 2	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010	Average 160.1 427.8 20.6 743.7 495.9 54.3
GLENDO GUERNSEY PATHFINDER SEMINOE	LOWER 1 Wate	NORTH PLA ershed Si	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 TWATER & LA alysis - Ap	*** Usable ar Las 7	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ==========	Average 160.1 427.8 20.6 743.7 495.9 54.3
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2	LOWER I Wate	NORTH PLJ ershed SJ	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana second Ana Number of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 5 4 2 4 ARAMIE RI pril 1, 2 5 5 4 4 ARAMIE RI 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	Average 160.1 427.8 20.6 743.7 495.9 54.3 Cent of Average
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2	LOWER I Wate	NORTH PLJ ershed SJ	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana Sumber of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 6 2 4 ARAMIE RI pril 1, 2 This Ye Last Ye	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	********** Average 160.1 427.8 20.6 743.7 495.9 54.3 54.3
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2 	LOWER 1 Wate	NORTH PLJ ershed SJ	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana Sumber of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 5 4 2 4 ARAMIE RI 5 5 1 2 4 4 ARAMIE RI 5 5 1 2 4 4 ARAMIE RI 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	Average 160.1 427.8 20.6 743.7 495.9 54.3 Cent of Average 72
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2 	LOWER I Wate	NORTH PLJ ershed Si ========	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana Sumber of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 5 4 2 4 ARAMIE RI 5 5 1 2 4 ARAMIE RI 5 5 1 2 4 ARAMIE RI 5 5 1 2 4 4 ARAMIE RI 5 5 1 2 4 4 1 2 4 4 1 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	Average 160.1 427.8 20.6 743.7 495.9 54.3 Cent of Average 72 100
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2 	LOWER I Wate 	NORTH PLJ ershed Si ========	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana Number of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	Average 160.1 427.8 20.6 743.7 495.9 54.3 5 ccent of Average 72 100 86
GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2 	LOWER I Wato 	NORTH PLJ ershed Si ========	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana Number of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	Average 160.1 427.8 20.6 743.7 495.9 54.3 Cent of Average 72 100 86 95
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GLENDO GUERNSEY PATHFINDER SEMINOE WHEATLAND #2 	LOWER I Wato LE CREEKS Laramie R R abv Laram IE RIVER	NORTH PL/ ershed Si ======== nie	Usable Capacity 184.3 506.4 45.6 1016.5 1016.7 98.9 ATTE, SWEET howpack Ana Number of Data Sit	******** This Yea 157.7 362.6 22.0 736.4 689.2 81.4 WATER & LA alysis - Ap	*** Usable ar Las 7 5 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	e Storage t Year ======== 158.4 323.5 20.1 404.8 528.1 51.7 VER BASINS 010 ========= ear as Per ear	Average 160.1 427.8 20.6 743.7 495.9 54.3 Cent of Average 72 100 86 95

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is



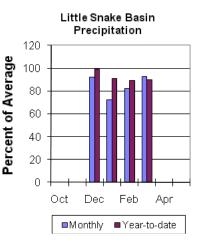
89% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

Precipitation

Precipitation across the basin was 93% of average (86% of last year) for the 5 reporting stations. Last month's precipitation ranged from 59-129% of average. The Little Snake River basin wateryear-to-date precipitation is currently 90% of average (79% of last year). Year-to-date percentages range from 77-103% of average.

Reservoir

High Savery Dam -Pending



Streamflow

The 50% exceedance forecast for the April 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 120,000 ac-ft (76% of average). The Little Snake River near Dixon is estimated to yield around 250,000 ac-ft (76% of average). See the following table for more detailed information on projected runoff.

LITTLE SNAKE RIVER BASIN

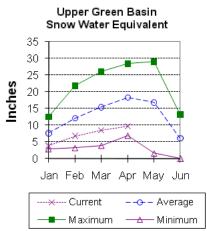
Streamflow	Forecasts	-	April	1,	2010

		==========	==========	==========	_, 2010 			
	<=== Dr:	ier === F	uture Cor	ditions	=== Wett	er ===> 		
Forecast Pt Forecast Period	======================================	70%	50%	;	30%	10%		
Little Snake APR-JUL	River nr 8 85	Slater 105	120	76	136	161	159	
Little Snake APR-JUL	River nr 1 150	Dixon 205	250	76	300	375	330	
the actu The averag (1) - The	ual volume ge is comp values lis	will exce uted for t sted under	ed the vol he 1971-20 the 10% a	umes in t 100 base p 1nd 90% Ch	he table eriod.		lities that	
actually 5% and 95% exceedance levels. (2) - The value is natural volume - actual volume may be affected by upstream water management. (3) - Median value used in place of average.								
LITTLE SNAKE RIVER BASIN Watershed Snowpack Analysis - April 1, 2010								
Watershed			Number of Data Site	:S	This Y Last Y	ear as Per ear	Average	
LITTLE SNAKE			8 ================		====== 77 =======		89 89	

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 42% of average. SWE for the West Side of Upper Green River Basin is about 58% of average.



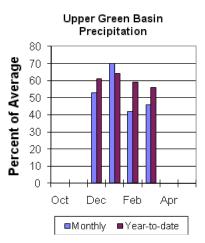
Newfork River Basin SWE is now about 51% of average. Big Sandy-Eden Valley Basin is 54% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 53% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

Precipitation

The 11 reporting precipitation sites in the basin were 46% of average last month (47% of last year). Last month's precipitation varied from 32-61% of average. Water year-to-date precipitation is about 56% of average (57% of last year). Year to date percentage of average ranges from 48-69% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 19,900 ac-ft or 52% of capacity. This is 96% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 111,900 ac-ft or 32% of capacity; 78% of average. This is 81% of average for the Upper Green River basin. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Upper Green River Basin are forecast to be below average. The yield on the Green River at Warren Bridge is 130,000 ac-ft (49% of average). Pine Creek above Fremont Lake

is 66,000 ac-ft (64% of average). New Fork River near Big Piney is 200,000 ac-ft (51% of average). Fontenelle Reservoir Inflow is estimated to be 360,000 ac-ft (42% of average), and Big Sandy near Farson is expected to be around 30,000 ac-ft (52% of average). See the following table for more detailed information on projected runoff.

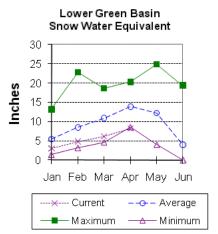
				, 2010		
		===== Future Co			er ===>	====================
	====================================		Exceeding *	====== 30%	======= 10%	
Forecast Period		00% 50 00AF) (1000AF)	I			30 Yr Avg (1000AF)
		=======================================				
	at Warren Brid 100 1	ge 17 130	49	143	164	265
APR-JUL	100 1	17 130	49	143	104	205
Pine Creek a	bv Fremont Lak	e				
APR-JUL	54	61 66	64	71	79	104
New Fork Riv	er nr Big Pine	v				
APR-JUL	-	70 200	51	235	285	395
Fontenelle R APR-JUL	eservoir Inflo 205 2	w 90 360	42	435	560	860
MIR OOL	205 2	500	12	155	500	000
	ver nr Farson					
APR-JUL	20	26 30	52	35	43	58
* 90%, 70	%, 50%, 30%, a	nd 10% chances	of exceedin	g are t	he probabi	ilities that
the act	ual volume wil	l exceed the vo	olumes in th	e table	•	
The avera	ae is computed	for the 1971-2	2000 base pe	riod		
	ge is compared	101 110 1971 2	2000 base pe	1100.		
(1) - The	values listed	under the 10%	and 90% Cha	nce of	Exceeding	are
	-	5% exceedance 1		,		
	value is natu er management.	ral volume - ad	ctual volume	may be	allected	by upstream
	-	in place of a	verage.			
==========						
	Reservo		N RIVER BASI	N		
		UPPER GREEN ir Storage (100 ===================================	N RIVER BASI 00AF) End of	N March ======		
		ir Storage (100 ===================================	N RIVER BASI DOAF) End of	N March ======= * Usabl	====== e Storage	
Reservoir		ir Storage (100 ===================================	N RIVER BASI 00AF) End of =========== ********* This Year	N March ====== * Usabl Las	============= e Storage t Year	********* Average
		ir Storage (100 ===================================	N RIVER BASI 00AF) End of =========== ********* This Year	N March ====== * Usabl Las	============= e Storage t Year	********* Average
==========		ir Storage (100 Usable Capacity	N RIVER BASI DOAF) End of ********* This Year ====================================	N March ====== * Usabl Las	e Storage t Year	******** Average
======================================		ir Storage (100 Usable Capacity	N RIVER BASI DOAF) End of ********* This Year ====================================	N March ====== * Usabl Las =======	e Storage t Year	******** Average
======= BIG SANDY EDEN		ir Storage (100 	N RIVER BASI DOAF) End of ********* This Year ====================================	N March ====== * Usabl Las =======	e Storage t Year 14.1	******** Average 20.7
BIG SANDY EDEN FONTENELLE		ir Storage (100 	N RIVER BASI DOAF) End of ********* This Year 19.9 NO R 111.9	N March * Usabl Las EPORT	e Storage t Year 14.1 110.6	******** Average 20.7 143.0
BIG SANDY EDEN FONTENELLE		ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN	N RIVER BASI 00AF) End of ********* This Year 19.9 NO R 111.9 NRIVER BASI	N March ====== Las ====== EPORT ======== N	e Storage t Year 14.1 110.6	******** Average 20.7 143.0
BIG SANDY EDEN FONTENELLE	 	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack And	N RIVER BASI DOAF) End of ******** This Year 19.9 NO R 111.9 **********	N March ======= Las ======= EPORT ========= N il 1, 2	e Storage t Year 14.1 110.6 	******** Average 20.7 143.0
BIG SANDY EDEN FONTENELLE	 	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack Ana	N RIVER BASI DOAF) End of ********* This Year 19.9 NO R 111.9 NRIVER BASI alysis - Apr	N March ====== Las ====== EPORT ======== N il 1, 2 ======	e Storage t Year 14.1 110.6 	********* Average 20.7 143.0
BIG SANDY EDEN FONTENELLE	 	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack And	N RIVER BASI DOAF) End of ********* This Year 19.9 NO R 111.9 NRIVER BASI alysis - Apr	N March ====== Las ====== EPORT ======== N il 1, 2 ======	e Storage t Year 14.1 110.6 	********* Average 20.7 143.0
BIG SANDY EDEN FONTENELLE =================================	 Watersh	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack Ana Number of Data Sit	N RIVER BASI DOAF) End of ******** This Year 19.9 NO R 111.9 N RIVER BASI alysis - Apr energy Apr of	N March ====== * Usabl Las EPORT ======= N il 1, 2 ====== This Y Last Y ======	e Storage t Year 14.1 110.6 	******** Average 20.7 143.0
BIG SANDY EDEN FONTENELLE =================================	Watersh	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack And Number of Data Sin	N RIVER BASI DOAF) End of ******** This Year 19.9 NO R 111.9 N RIVER BASI alysis - Apr energy Apr of	N March ====== * Usabl Las ====== EPORT ======= N il 1, 2 ====== This Y Last Y ====== 48	e Storage t Year 14.1 110.6 	********** Average 20.7 143.0
BIG SANDY EDEN FONTENELLE =================================	Watersh Watersh Warren Bridge (West Side)	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack Ana Number of Data Sit	N RIVER BASI DOAF) End of ******** This Year 19.9 NO R 111.9 N RIVER BASI alysis - Apr energy Apr of	N March ====== * Usabl Las EPORT ======= N il 1, 2 ====== This Y Last Y ======	e Storage t Year 14.1 110.6 	******** Average 20.7 143.0
BIG SANDY EDEN FONTENELLE =================================	Watersh Watersh Watersh Warren Bridge (West Side)	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack And Number of Data Sit	N RIVER BASI DOAF) End of ******** This Year 19.9 NO R 111.9 N RIVER BASI alysis - Apr energy Apr of	N March ====== * Usabl Las ====== EPORT ======= N il 1, 2 ====== This Y Last Y ====== 48 62	e Storage t Year 14.1 110.6 	********* Average 20.7 143.0
BIG SANDY EDEN FONTENELLE =================================	Watersh Watersh Watersh Warren Bridge (West Side) R EN VALLEY	ir Storage (100 Usable Capacity 38.3 344.8 UPPER GREEN ed Snowpack And Number of Data Sin 4 7 2	N RIVER BASI DOAF) End of ******** This Year 19.9 NO R 111.9 N RIVER BASI alysis - Apr energy Apr of	N March ====== * Usabl Las EPORT ======= N il 1, 2 ====== This Y Last Y ====== 48 62 52	e Storage t Year 14.1 110.6 	********* Average 20.7 143.0

UPPER GREEN RIVER BASIN Streamflow Forecasts - April 1, 2010

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 59% of average. SWE in the Hams Fork Basin is 61% of average. Blacks Fork Basin SWE is currently 69% of average. In the Henrys Fork drainage SWE is 93%. For more



information see "Basin Summary of Snow Course Data" at the beginning of this report.

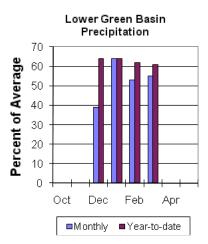
Precipitation

Precipitation was below average for the 3 reporting stations during last month at 55% of average or 52% of last year. Precipitation ranged from 52-61% of average for the month. The basin year-to-date precipitation is currently 61% of average (70% of last year). Year-to-date percentages range from 58-70% of average.

Reservoirs

Fontenelle Reservoir is currently storing 111,900 ac-ft; this is 78% of average (101% of last year). Flaming Gorge is currently storing 3,195,000 ac-

ft; this is 109% of average (107% of last year). Viva Naughton is currently storing 25,900 ac-ft, 93% of average and 61% 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 April through July runoff period in the Lower Green River Basin are forecast to be below average. The Green River near Green River is forecast to yield about 380,000 ac-ft (43% of average). The Blacks Fork near Robertson is forecast to yield 63,000 ac-ft (66% of average). East Fork of Smiths Fork near Robertson is forecast to yield 19,000 ac-ft (66% of average). Hams Fork below Pole Creek near

Frontier is forecast to be 30,000 ac-ft (46% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 37,000 ac-ft (42% of average). The Flaming Gorge Reservoir inflow will be about 450,000 ac-ft (38% of average). See the following table for more detailed information on projected runoff.

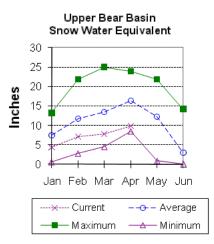
LOWER GREEN RIVER BASIN

			casts - Apri			
=================						=================
	<=== Drier =	== Future	Conditions	=== wett	er ===>	
Forecast Pt		== Chance	of Exceedin	a * ======		
Forecast			50%	30%		30 Yr Avg
Period	(1000AF) (100)0AF) (10002	AF) (% AVG.)	(1000AF)	(1000AF)	(1000AF)
	r Green River,			455	F 7 F	075
APR-JUL	220 31	.0 380) 43	455	575	875
Blacks Fork n	r Robertson					
APR-JUL		64 63	3 66	73	88	95
	Fork nr Robert					
APR-JUL	11.1 15.	6 19.0) 66	23	29	29
Hams Fk blw P	ole Ck nr Fror	tier				
APR-JUL		25 30) 46	36	45	65
Hams Fork Inf	to Viva Naugh	nton Res				
APR-JUL	21 3	30 31	7 42	45	58	89
Flaming Gorge APR-JUL	Reservoir Inf 230 33) 38	580	800	1190
AFR-001	250 5.	5 - <u>5</u>	50	500	800	1190
* 90%, 70%	s, 50%, 30%, ar	nd 10% chan	ces of excee	ding are t	he probab	ilities that
the actu	al volume will	exceed the	e volumes in	the table	e.	
-						
The averag	ge is computed	for the 19	71-2000 base	period.		
-	_			_	Evacodina	270
(1) - The	values listed	under the 3	10% and 90%	_	Exceeding	are
(1) - The actu	values listed ally 5% and 95	under the 3 % exceedance	l0% and 90% ce levels.	Chance of	_	
(1) - The actu (2) - The	values listed	under the 3 % exceedance	l0% and 90% ce levels.	Chance of	_	
(1) - The actu (2) - The wate	values listed ally 5% and 95 value is natur	under the i % exceedance al volume	l0% and 90% ce levels. - actual vol	Chance of	_	
(1) - The actu (2) - The wate (3) - Medi	values listed ally 5% and 95 value is natur er management.	under the is exceedance in place of	l0% and 90% ce levels. - actual vol E average.	Chance of ume may be	e affected	by upstream
(1) - The actu (2) - The wate (3) - Medi	values listed ally 5% and 95 value is natur er management. an value used	under the f % exceedance ral volume in place of LOWER GI	LO% and 90% ce levels. - actual vol E average. REEN RIVER B	Chance of ume may be =======	e affected	by upstream
(1) - The actu (2) - The wate (3) - Medi	values listed ally 5% and 95 value is natur er management. an value used ====================================	under the 3 % exceedance al volume in place of LOWER GI r Storage	LO% and 90% ce levels. - actual vol E average. REEN RIVER B (1000AF) End	Chance of ume may be ====================================	e affected	by upstream
(1) - The actu (2) - The wate (3) - Medi	values listed ally 5% and 95 value is natur er management. an value used	under the 3 % exceedance al volume in place of LOWER GI r Storage	LO% and 90% ce levels. - actual vol E average. REEN RIVER B (1000AF) End	Chance of ume may be ====================================	e affected	by upstream
(1) - The actu (2) - The wate (3) - Medi	values listed ally 5% and 95 value is natur er management. an value used ====================================	under the f % exceedance al volume in place of LOWER G r Storage	L0% and 90% ce levels. - actual vol E average. REEN RIVER B (1000AF) End ====================================	Chance of ume may be ====================================	e affected	by upstream
(1) - The actu (2) - The wate (3) - Medi ====================================	values listed ally 5% and 95 value is natur er management. an value used ====================================	under the 3 % exceedance al volume in place of LOWER GI r Storage Usable Capacit	20% and 90% ce levels. - actual vol E average. REEN RIVER B (1000AF) End ====================================	Chance of ume may be ASIN of March ====================================	e affected	by upstream
<pre>(1) - The</pre>	values listed ally 5% and 95 value is natur er management. an value used Reservoi	under the 3 % exceedance al volume in place of LOWER GI r Storage Usable Capacit	Co% and 90% ce levels. - actual vol E average. REEN RIVER B (1000AF) End ****** cy This Y ====================================	Chance of ume may be ASIN of March ear Las ========= .9	e affected e storage st Year 110.6	by upstream ********* Average 143.0
<pre>(1) - The actu (2) - The wate (3) - Medi ====================================</pre>	values listed ally 5% and 95 value is natur er management. an value used Reservoi	under the 3 % exceedance al volume in place of LOWER GI r Storage Usable Capacit 344.3 3749.0	10% and 90% ce levels. - actual vol E average. E REEN RIVER B (1000AF) End E Strain Y E Y This Y E Strain Y S 111 O 3195	Chance of ume may be ASIN of March ear Las ear Las .9 .0 2	e affected	by upstream ********* Average 143.0 2920.0
<pre>(1) - The actu (2) - The wate (3) - Medi ====================================</pre>	values listed ally 5% and 95 value is natur er management. an value used Reservoi 	under the 3 % exceedance in place of LOWER GI r Storage Usable Capacit 344.3 3749.0 42.4	10% and 90% ce levels. - actual vol E average. E average. <t< td=""><td>Chance of ume may be ASIN of March ear Las ear Las .9 .0 2 .9</td><td>e affected e storage st Year 110.6 2986.0 </td><td>by upstream ******** Average 143.0 2920.0 27.8</td></t<>	Chance of ume may be ASIN of March ear Las ear Las .9 .0 2 .9	e affected e storage st Year 110.6 2986.0 	by upstream ******** Average 143.0 2920.0 27.8
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<pre>(1) - The actu (2) - The wate (3) - Medi Reservoir FONTENELLE FLAMING GORGE VIVA NAUGHTON</pre>	values listed aally 5% and 95 value is natur er management. an value used Reservoi	under the 3 % exceedance al volume in place of LOWER GI r Storage Usable Capacit 344.3 3749.0 42.4 LOWER GI compack	10% and 90%ce levels actual vol- actual vol<	Chance of ume may be ASIN of March ear Las ear Las .9 .0 2 .9 .0 2 .0 2 .0 2 .0 2 .0 2 .0 2 .0 2 .0 2	e affected e Storage st Year 110.6 2986.0 2010	by upstream ******** Average 143.0 2920.0 27.8
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Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is



estimated to be 66% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 62% of average. Bear River Basin SWE, above the Idaho State line, is 60% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

Precipitation

Precipitation for last month was 52% of average for the 2 reporting stations; this is 47% of the precipitation received last year. The year-todate precipitation, for the basin, is 57% of average; this is 67%

of last year's amount.

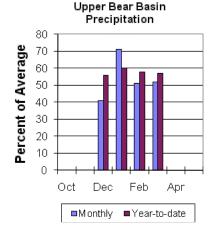
Reservoir

Storage, in Woodruff Narrows reservoir, is about 51,000 ac-ft (156% of average). Current reservoir storage is about 89% of capacity. Reservoir storage last year at this time was 52,400 ac-ft.

Streamflow

The following 50% exceedance forecasts are for the April through September period. The Bear River near the Utah-Wyoming State Line is 68,000 ac-ft (54% of average). The Bear River above

Reservoir near Woodruff is 62,000 ac-ft (44% of average). The Smiths Fork River near Border is 52,000 ac-ft (43% of average). See the following table for more detailed information on projected runoff.

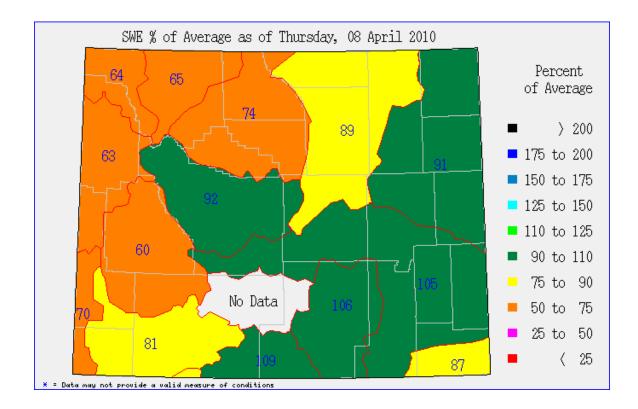


	Stre	-	PPER BEAN				
Forecast Pt Forecast Period		70%	Chance of H 509 (1000AF)		30%	10%	30 Yr Avg (1000AF)
						=========	
Bear River n APR-JUL	r UT-WY State 36	Line 53	65	58	77	94	113
APR-SEP	36	55	68	54	81	100	125
Bear River a	b Reservoir n	r Woodr	niff				
APR-JUL	18.0	43	60	44	77	102	136
APR-SEP	19.0	45	62	44	79	105	142
Smiths Fork :	pr Pordor						
APR-JUL	21	37	48	47	59	75	103
APR-SEP	21	40	52	43	64	83	121
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Reservoir	:		apacity			t Year 	Average
WOODRUFF NAR			57.3	51.		52.4	32.7
		====== UP ned Snc	PPER BEAR I Wpack Ana	RIVER BAS	======= IN pril 1, 2	010	
Watershed			Number of Data Site	es		ercent of	5
UPPER BEAR R	======================================		:======= 7	========	======= 71		66
SMITHS & THO			4		66		62
BEAR RIVER a	bv ID line		9		66		60
		Th	e Entire S	State of W	Vyoming		
NORTHWEST WY	OMING		74		61		59
NORTHEST WYO			23		68		76
SOUTHEAST WY			34		85		87
SOUTHWEST WY			33		70		68

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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:

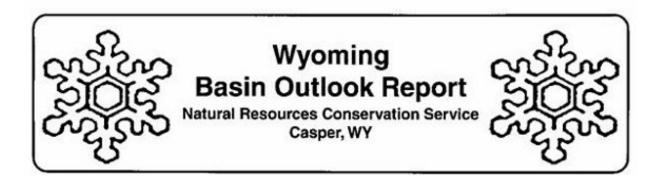
The Wyoming State Engineer's Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins





Natural Resources Conservation Service 100 East B Street Box 33124 Casper, WY 82601

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