

Natural Resources Conservation Service

Wyoming Basin Outlook Report April 1, 2001



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. 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

Generally, snow water equivalent (SWE) across the state is much below normal for this time of the year. SWE averages for the State are about 67 percent of normal for this time of the year. Northwest portion of the State is 56 of percent normal. Northeast Wyoming is 71 of percent of normal, and the southeast part of the State is 75 percent of average. Southwestern Wyoming is 65 percent of average for this time of the year.

Precipitation for March was generally much below average for the State. Year-to-date precipitation is below average for the State – the Belle Fourche drainage is still feeling the effects of the heavy snow last fall and is currently 99 percent of average. Reservoir levels vary from about 30 percent of average to 159 percent of average, the exception being Eden Reservoir which is too low to measure. Generally, the larger capacity reservoirs are above average storage. Forecast runoff varies from 20 to 77 percent of average. The mean of all the forecast points in the State is about 53 percent of average (47 percent below average).

Snowpack

SWE is below to much below average for the entire State. SWE in the northwestern portion of the State is about 54 percent of average (63 percent of last year). Northeast Wyoming SWE is currently about 73 percent of average (92 percent of last year). The southeast portion is currently about 75 percent of average SWE (85 percent of last year). And the southwest is about 65 percent of average (74 percent of last year).

Precipitation

March precipitation was much below normal over the State. Most of the basins in the state received less than 70 percent of normal precipitation. The Wind River and Lower North Platte received less than half of the usual precipitation. The following table displays the major river basins and their departure from normal for this month.

Basin	Departure from normal	Basin	Departure from normal
Snake River	-39%	Upper North Platte	-31%
		River	
Yellowstone & Madison	-15%	Lower North Platte	-55%
Wind River	-57%	Little Snake River	-31%
Big Horn	-29%	Upper Green River	-36%
Shoshone & Clarks Fork	-26%	Lower Green River	-39%
Powder & Tongue River	-31%	Upper Bear River	-35%
Belle Fourche & Cheyenne	-21%		

Streams

Stream flow yield is expected to be below average across the State, and well below average in the northern half of the State. Most probable yield for the State is forecast to be about 52 percent of average (varies from 20 to 77 percent of average). The northwest part of the State is expected to yield about 50 percent of normal -- yield estimates vary from 21 to 69 percent of normal through the northwest region of the State. Yield from the northeast portion of Wyoming will be below average (about 52 percent of average) -- yield estimates vary from 41 to 60 percent of average for the various forecast points. The southeast portion of the state will be about 57 percent

of normal -- yield estimates range from 30 to 71 percent of normal. The southwest portion of Wyoming yield will be much below normal (about 53 percent of average), and estimates vary from 20 to 77 percent of average.

Reservoirs

The following reservoir data is based on the usable capacity of each reservoir. Although several reservoirs did not report, reservoir storage for those reporting is generally near average for this time of the year. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

BASIN WIDE RESERVOIR SUMMARY

FOR THE END OF MARCH 2001

			AVERAGE AS % CAPACITY		
		• CAFACITI	• CAFACIII		
ALCOVA	85	85	88	97	100
ANGOSTURA	89	99	90	99	90
BELLE FOURCHE	99	101	73	135	98
BIG SANDY	20	55	52	39	36
BIGHORN LAKE	63	67	59	107	94
BOYSEN	75	88	89	84	85
BUFFALO BILL	55	67	56	100	82
BULL LAKE	41	63	55	75	65
DEERFIELD	99	99	89	112	101
EDEN			NO REPORT		
ENNIS LAKE	73	71	81	90	102
FLAMING GORGE		AVERA	GE NOT ESTAB	LISHED	
FONTENELLE	32	30	46	70	105
GLENDO	78	92	83	94	85
GRASSY LAKE	85	84	74	115	102
GUERNSEY	41	41	47	86	100
HEBGEN LAKE	72	81	65	110	89
JACKSON LAKE	76	78	56	136	98
KEYHOLE	87	90	56	156	96
PACTOLA	99	98	85	116	100
PALISADES	55	85	72	76	65
PATHFINDER	76	98	61	125	77
PILOT BUTTE	74	71	68	108	104
SEMINOE	64	73	36	176	87
SHADEHILL	102	69	78	131	147
VIVA NAUGHTON RES	76	79	64	119	96
WHEATLAND #2	46	75	49	92	61
WOODRUFF NARROWS			NO REPORT		
				100	
GLENDO PROJECT USE		85	69	120	98
KENDRICK PROJECT	81	82	68	119	98
NORTH PLATTE PROJ	65	100	64	103	65

Basin Summary of Snow Course Data

BASIN SUMMARY OF SNOW COURSE DATA

APRIL 2001

SNOW COURSE	ELEVATIO	N DATE	SNOW DEPTH		LAST YEAR	
WYOMING Snow Course and	SNOTET.	Stations				
ALBANY	9400	3/29/01	36	9.7	11.9	14.7
ALBANI ASTER CREEK	7750	3/29/01				30.7
BALD MOUNTAIN SNOTEL		4/01/01		14.1	19.6	20.5
BASE CAMP SNOTEL	7030	4/01/01		8.0		17.8
BATTLE MTN. SNOTEL		4/01/01		9.0		11.3
BEARLODGE DIVIDE	4680	3/30/01		4.5	.0	2.2
BEARTOOTH LK. SNOTEL		4/01/01		11.9		23.8
BEAR TRAP SNOTEL	8200	4/01/01		5.4		7.2
BIG GOOSE	7760	3/29/01	18	3.1	5.4	7.8
BIG GOOSE SNOTEL	7760	4/01/01		5.8		
BIG PARK	8620	3/26/01		11.6		20.2
BIG SANDY SNOTEL	9080	4/01/01		9.8		14.7
BLACKWATER SNOTEL	9780	4/01/01		14.6		22.4
BLIND BULL SNOTEL	8900	4/01/01		15.5		29.8
BLIND PARK PILLOW	6870	4/01/01		7.7	6.0	11.1
BLUE RIDGE	9620	3/28/01	18	4.1	7.0	12.5
BONE SPGS. SNOTEL	9350	4/01/01		10.6		16.5
BOXELDER	7280	3/30/01	25	6.4		8.0
BROOKLYN LK. SNOTEL		4/01/01		17.0		26.4
BRYAN FLAT	6420	3/28/01		6.1	6.6	9.0
BUCK CREEK	7960	3/30/01		9.8		11.0
BURGESS JCT. SNOTEL		4/01/01		8.4		11.8
BURROUGHS CRK SNOTEL	8750	4/01/01		8.5	12.5	15.0
CANYON SNOTEL	8090	4/01/01		8.8	13.4	13.1
CARTER MOUNTAIN	7950	3/28/01	7	1.4	2.4	5.2
CASPER MTN. SNOTEL	7850	4/01/01		11.6	15.5	16.6
CASTLE CREEK	8400	3/29/01	9	2.0	4.7	4.6
CCC CAMP	7000	3/29/01	22	7.6	12.2	12.5
CHALK CK #1 SNOTEL	9100	4/01/01	46	16.4	22.5	23.9
CHALK CK #2 SNOTEL	8200	4/01/01	34	11.8	13.6	15.8
CLOUD PEAK SNOTEL	9850	4/01/01		9.9	14.5	14.9
COLD SPRINGS SNOTEL	9630	4/01/01		3.1	6.6	8.4
COTTONWOOD CR SNOTEL	7700	4/01/01		15.6	23.0	24.5
DARBY CANYON	8250	3/31/01	52	16.8	22.2	24.1
DEER PARK SNOTEL	9700	4/01/01		10.4	14.1	
DITCH CREEK	6870	3/28/01	20	5.5	1.0	
DIVIDE PEAK SNOTEL	8860	4/01/01		14.9	16.6	21.3
DOME LAKE SNOTEL	8880	4/01/01		9.4	11.2	13.8
DU NOIR	8760	3/30/01	16	3.7	5.2	8.5
EAST RIM DIV SNOTEL	7930	4/01/01		9.9	11.7	14.0
ELBO RANCH	7100	4/01/01	25	6.4	10.4	11.3
ELKHART PARK SNOTEL	9400	4/01/01		11.0	12.2	13.9
EVENING STAR SNOTEL	9200	4/01/01		14.7	24.0	27.2

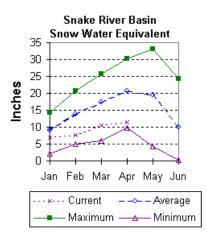
 SNOW COURSE	ELEVATION	DATE		WATER CONTENT		
FOUR MILE MEADOWS						
FOXPARK				7.9		
GEYSER CREEK	8500			2.9		
GLADE CREEK	7040	3/30/01				
GRANITE CRK SNOTEL				10.9		
	8860			5.5		
GRASSY LAKE SNOTEL				20.6		
GRAVE SPRINGS SNOTEL				6.2		
GREYS BOUNDARY	5720			6.9		
GROS VENTRE SNOTEL				9.7		
GROVER PARK DIVIDE	7000			3.8		
HAIRPIN TURN	9480			11.4		
HANSEN S.M. SNOTEL				5.0		
HAMS FORK SNOTEL	7840			7.5		12.3
HASKINS CREEK	8980	3/29/01	72	25.1	27.4	30.4
HOBBS PARK SNOTEL				6.4	10.9	15.1
HUCKLEBERRY DIVIDE	7300	3/29/01	33	11.0	20.0	21.7
INDIAN CREEK SNOTEL				17.3	22.6	29.0
JACKPINE CREEK	7350			13.3		22.3
KELLEY R.S. SNOTEL				10.5	14.3	17.3
KENDALL R.S. SNOTEL				8.3	14.6	14.7
KIRWIN SNOTEL	9550	4/01/01		5.5	8.6	10.0
LA BONTE	8450	3/28/01	15	4.2		5.8
LAKE CAMP	7780	3/31/01		6.3		9.9
LA PRELE SNOTEL	8380			9.0	10.2	10.6
LARSEN CREEK	9020	3/27/01		5.6		12.4
LEWIS LAKE SNOTEL	7850				26.7	35.7
LEWIS LAKE DIVIDE	7850					
LIBBY LODGE	8750			8.1		11.5
LITTLE BEAR RUN	6240	3/28/01	19	4.6	1.2	
LITTLE WARM SNOTEL	9370	4/01/01		7.6		11.6
LOOMIS PARK SNOTEL	8240	4/01/01		11.3	17.7	17.6
LUPINE CREEK	7380	3/29/01	11	3.4	8.6	10.2
MALLO	6420	3/28/01	33	7.4	3.9	6.7
MARQUETTE SNOTEL	8760	4/01/01		4.5	6.4	8.1
MEDICINE LODGE LAKES	9340	3/29/01	39	7.8	11.3	11.2
MIDDLE FORK	7420	3/28/01	15	3.1	1.6	6.4
MIDDLE POWDER SNOTEL	7760	4/01/01		8.6	11.2	12.2
MORAN	6750	3/28/01	16	5.4	11.4	12.7
MOSS LAKE	9800	3/29/01	53	16.1	16.0	25.3
MOUNT TOM	5560	3/29/01	27	7.9	.9	4.5
NEW FORK SNOTEL	8340	4/01/01		8.8	10.9	11.3
NORRIS BASIN	7500	4/04/01	22	5.9	10.1	11.5
NORTH BARRETT CREEK		3/29/01		18.4	19.4	21.5
NORTH FRENCH SNOTEL		4/01/01		26.4	25.2	25.6
NORTH RAPID CK PILL.		4/01/01		7.6	6.2	
NORTH TONGUE	8450	3/29/01		7.0	11.0	
OLD BATTLE SNOTEL		4/01/01		23.6	26.0	
OLD FAITHFUL	7400	3/31/01		5.0	12.8	14.8
ONION GULCH	8780	3/28/01		4.4	7.0	8.9
OWL CREEK SNOTEL				3.5		
						1.0

POO POI POI POI POI RAI REI REI REI SAI SAI SAI SAI SAI SAI SAI SAI SAI SA	ILLIPS BENCH SNOT. CKET CREEK ISON MEADOWS LE MOUNTAIN WDER RVR.PASS SNOT RGATORY GULCH NGER CREEK NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN LDIER PARK	9350 8500 8700 9480 8970 8120 8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 8060	3/27/01 3/29/01 4/01/01 3/29/01 4/01/01 3/28/01 3/28/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/29/01 3/30/01 3/29/01	 37 34 36 28 45 37 32 39 	9.1 7.6 6.6 11.3 5.0 12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	23.2 11.8 7.2	29.4 12.8 29.1 7.9 10.9 11.2 9.3 14.4 9.2 22.1 11.2 14.5 33.1 15.0
PO: POI POI POI POI RAI REI REI REI REI SAI SAI SAI SAI SAI SAI SAI SAI SAI SA	ISON MEADOWS LE MOUNTAIN WDER RVR.PASS SNOT RGATORY GULCH NGER CREEK NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8500 8700 89480 8970 8120 8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	3/29/01 4/01/01 3/29/01 4/01/01 3/29/01 3/28/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	34 36 28 45 37 32 39 	7.6 6.6 11.3 5.0 12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	7.2 9.4 10.8 8.8 12.8 4.3 19.7 9.1 13.4 23.5 14.3 11.3	29.1 7.9 10.9 11.2 9.3 14.4 9.2 22.1 11.2 14.5 33.1 15.0
POI POI POI RAI REI REI ROV SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	LE MOUNTAIN WDER RVR.PASS SNOT RGATORY GULCH NGER CREEK NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8700 9480 8970 8120 8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	4/01/01 3/29/01 4/01/01 3/29/01 3/29/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	 36 28 45 37 32 39 	6.6 11.3 5.0 12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	7.2 9.4 10.8 8.8 12.8 4.3 19.7 9.1 13.4 23.5 14.3 11.3	7.9 10.9 11.2 9.3 14.4 9.2 22.1 11.2 14.5 33.1 15.0
POV PUI RAI REI REI REI ROV RYJ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	WDER RVR.PASS SNOT RGATORY GULCH NGER CREEK NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	9480 8970 8120 8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	4/01/01 3/29/01 4/01/01 3/29/01 3/29/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	 36 28 45 37 32 39 	6.6 11.3 5.0 12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	9.4 10.8 8.8 12.8 4.3 19.7 9.1 13.4 23.5 14.3 11.3	10.9 11.2 9.3 14.4 9.2 22.1 11.2 14.5 33.1 15.0
PUI RAI REI REI ROV RYZ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	RGATORY GULCH NGER CREEK NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8970 8120 8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 8060	3/29/01 3/29/01 4/01/01 3/29/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	36 28 45 37 32 39 	11.3 5.0 12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	10.8 8.8 12.8 4.3 19.7 9.1 13.4 23.5 14.3 11.3	11.2 9.3 14.4 9.2 22.1 11.2 14.5 33.1 15.0
RAI REI REI ROV RYZ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	NGER CREEK NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8120 8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	3/29/01 4/01/01 3/29/01 3/28/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	28 45 37 32 39 	5.0 12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	8.8 12.8 4.3 19.7 9.1 13.4 23.5 14.3 11.3	9.3 14.4 9.2 22.1 11.2 14.5 33.1 15.0
REI REI ROV RYZ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	NO HILL SNOTEL UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8500 6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	4/01/01 3/29/01 3/28/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	45 37 32 39 	12.6 15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	12.8 4.3 19.7 9.1 13.4 23.5 14.3 11.3	14.4 9.2 22.1 11.2 14.5 33.1 15.0
REU ROV RYZ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	UTER CANYON WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	6280 8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	3/29/01 3/28/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	45 37 32 39 	15.8 11.7 9.6 7.6 24.2 11.6 8.0 10.8	4.3 19.7 9.1 13.4 23.5 14.3 11.3	9.2 22.1 11.2 14.5 33.1 15.0
ROV RYZ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	WDY CREEK AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8300 8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	3/28/01 3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	37 32 39 	11.7 9.6 7.6 24.2 11.6 8.0 10.8	19.7 9.1 13.4 23.5 14.3 11.3	22.1 11.2 14.5 33.1 15.0
RYZ SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	AN PARK LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	3/29/01 4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	32 39 	9.6 7.6 24.2 11.6 8.0 10.8	9.1 13.4 23.5 14.3 11.3	11.2 14.5 33.1 15.0
SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	LT RIVER SNOTEL ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8400 7600 10050 8150 9260 9580 7750 6920 6920 8060	4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	 39 	7.6 24.2 11.6 8.0 10.8	13.4 23.5 14.3 11.3	14.5 33.1 15.0
SAI SAI SAI SAI SAI SAI SAI SAI SAI SAI	ND LAKE SNOTEL NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	10050 8150 9260 9580 7750 6920 6920 8060	4/01/01 4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	 39 	24.2 11.6 8.0 10.8	23.5 14.3 11.3	33.1 15.0
SAI SAI SHI SHI SNI SNI SNI SOI SOI SOI SOI SOI SOI SOI SOI SOI SO	NDSTONE SNOTEL WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	8150 9260 9580 7750 6920 6920 8060	4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	 39 	24.2 11.6 8.0 10.8	14.3 11.3	15.0
SAN SHI SHI SNZ SNZ SNZ SNZ SNZ SOU SOU SOU SOU SOU SOU SOU SOU SOU SOU	WMILL DIVIDE ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	9260 9580 7750 6920 6920 8060	4/01/01 3/29/01 4/01/01 3/30/01 3/29/01	 39 	8.0 10.8	14.3 11.3	15.0
SHI SHI SNZ SNZ SNC SOU SOU SOU SOU SOU SOU SOU SOU SOU SOU	ELL CREEK SNOTEL ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	9580 7750 6920 6920 8060	4/01/01 3/30/01 3/29/01		10.8		13.3
SHI SNI SNI SOI SOI SOI SOI SOI SOI SOI SOI SOI SO	ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	9580 7750 6920 6920 8060	4/01/01 3/30/01 3/29/01		10.8	14.7	
SHI SNI SNI SOI SOI SOI SOI SOI SOI SOI SOI SOI SO	ERIDAN R.S. AKE RIVER STATION AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	7750 6920 6920 8060	3/29/01	6			15.0
SNI SNI SOI SOI SOI SOI SOI SOI SOI SOI SOI SO	AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	6920 8060	3/29/01		1.3	5.0	6.0
SNI SNI SOI SOI SOI SOI SOI SOI SOI SOI SOI SO	AKE RV STA SNOTEL IDER BASIN SNOTEL OW KING MTN	6920 8060		30	10.4	19.6	
SNI SOU SOU SOU SOU SOU SOU SOU SOU SOU SOU	IDER BASIN SNOTEL OW KING MTN	8060	4/01/01		10.2	17.3	18.8
SOI SOI SOI SPI ST SU(SYI SYI T (TE:			4/01/01		8.8	12.3	
SOU SOU SPI ST SU SYI SYI T (TE:	LDTER PARK	7660				11.4	
SOU SOU ST SU SU SYI SYI T C TE:		8780	3/28/01	16	2.7	3.6	
SOU SPI ST SU(SYI SYI T (TE: THU	UR DOUGH	8460	3/28/01		3.8	5.5	
SOU SPI ST SU(SYI SYI T (TE: THU	UTH BRUSH SNOTEL		4/01/01		9.3		
ST SU(SY) SY) T (TE: TH(UTH PASS SNOTEL	9040	4/01/01		9.1	14.5	
ST SU(SY) SY) T (TE: TH(RING CRK. SNOTEL	9000	4/01/01		16.9	22.5	
SU(SYI SYI T (TE: THI	LAWRENCE ALT SNOT		4/01/01		3.1	4.6	
SYI SYI T (TE: THU	CKER CREEK SNOTEL		4/01/01		8.1	12.2	
SYI T (TE: THU	LVAN LAKE SNOTEL		4/01/01		14.3	19.5	
T (TE: THU	LVAN ROAD SNOTEL		4/01/01		8.3	13.4	
TE: THU	CROSS RANCH	7900	3/29/01		3.7	4.9	
THU	TON PASS W.S.	7740	4/02/01		16.6		
	UMB DIVIDE SNOTEL	7980	4/01/01		7.6	14.6	
	UMB DIVIDE		3/29/01		6.1	14.3	
	E CREEK SNOTEL	6870	4/01/01		4.9	6.4	
	MBER CREEK SNOTEL		4/01/01		3.1	2.8	
	GWOTEE PASS SNOTEL		4/01/01		16.6	21.4	
	WNSEND CRK SNOTEL		4/01/01		5.3	6.6	9.9
	IPLE PEAK SNOTEL	8500	4/01/01		15.1	22.7	
	RPIN MEADOWS	6900	3/28/01		3.5	10.3	
	O OCEAN SNOTEL	9240	4/01/01		19.1	25.4	26.8
	RELL RANGER STA.	8300	3/28/01		3.4	6.4	8.2
	PER SPEARFISH	6500	3/29/01		8.0	4.3	7.0
	RREN PEAK SNOTEL	6520	2,22,01			10.9	
	BBER SPRING SNOTEL		4/01/01		16.1	19.7	
	ISKEY PARK SNOTEL		4/01/01		21.5	24.3	
	LLOW CREEK SNOTEL		4/01/01		18.4	30.2	30.5
	NDY PEAK SNOTEL	7900	4/01/01		7.5	7.8	8.8
		7650	4/01/01		6.7	11.1	
	LVERTNE SNOTEL	8440	3/29/01		5.8	9.2	10.7
	LVERINE SNOTEL OD ROCK G.S.	8350	4/01/01		8.4	15.0	17.3

Snake River Basin (1)

Snow

Percentage of average snow water equivalent (SWE) for each drainage in the basin is: Snake above Jackson Lake -- 52 percent (59% of last year at this time), Pacific Creek -- 57 percent (60% of last year at this time), Gros Ventre River -- 63 percent (76% of last year at this time), Hoback River -- 60 percent (73% of last year at this time), Greys River -- 58 percent (65% of last year at this time), Salt River -- 56 percent (59% of last year at this time). Snake River Basin above Palisades is 55 percent of average (63% of last year at this time). See the Basin Summary of Snow Courses at the beginning of this report for a detailed listing of snow course information.



Precipitation.

Precipitation across the basin was much below average for last month. Monthly precipitation, for the basin, was 85 percent of average (78 percent of last year). March percentages range from 29 to 120 percent of average. Water-year-to-date precipitation is 66 percent of normal for the Snake River basin (75 percent of last year at this time) Year-to-date percentages range from 49 to 90 percent of average.

Reservoir.

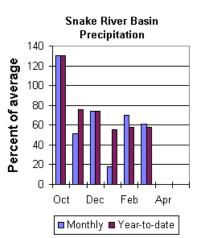
Current usable storage compared to average for the

three reservoirs in the basin is as follows: Grassy Lake —115 percent of average (12,900 acre feet compared to 12,700 last year), Jackson lake — 136 percent of average (641,200 acre feet compared to 657,400 acre feet last year), and Palisades Reservoir —55 percent of average (773,000 acre feet compared to 1,188,800 acre feet last year).

Streamflow.

The most probable, 50 percent chance April through September runoff yield forecast is below average for the basin. The Snake near Moran is

expected to yield 540,000 acre-feet (62 percent of normal). Yield from the Snake River above Palisades Reservoir is estimated to be 1,710,000 acre-feet (64 percent of normal). The 50 percent chance yield near Heise is expected to be 2,380,000 acre-feet (59 percent of normal). Pacific Creek at Moran is expected to yield about 98,000 acre-feet (59 percent of average). Greys River above Palisades Reservoir is estimated to yield 197,000 acre-feet (51 percent of normal). Salt River near Etna is estimated to have a yield of 191,000 acre-feet (48 percent of normal).



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Forecast Point	Forecast					Exceeding * =				
	Period	90%	70% (1000A)			Probable) (% AVG.)		1(F) (10()% ומאסט	30-Yr Avg. (1000AF)
			, , , , , ,	· 1			-			
SNAKE near Moran (1,2)	APR-SEP	399	496		540	62	584		581	869
SNAKE above Palisades (2)	APR-SEP	1439	1600		1710	64	1820	19	981	2671
PALISADES RESERVOIR INFLOW (1,2)	APR-SEP	1669	2041	.	2210	59	2379	27	751	3763
SNAKE near Heise (2)	APR-SEP	1910	2190		2380	59	2570	28	350	4049
PACIFIC CREEK at Moran	APR-SEP	68	86		98	59	110	1	L28	166
GREYS above Palisades	APR-SEP	143	175		197	51	219	:	251	388
SALT near Etna	APR-SEP	113	160		191	48	222	:	269	399
				ا ========		ا 				
	RIVER BASIN				1		SNAKE RIVE			
Reservoir Storage (100	-					Watershed Sr	-	-	-	-
	Usable		ble Stora					mber		Year as % of
Reservoir	Capacity	This	Last	-	Water	rshed		of	=====	
	I	Year	Year	Avg	1			Sites	Last	
GRASSY LAKE	15.2	12.9	12.7	11.2	!	E above Jacks		9	59	52 52
JACKSON LAKE	847.0	641.2	657.4	473.2	 PACII	FIC CREEK		3	60	57
PALISADES	1400.0	773.0	1188.8	1014.0	 GROS	VENTRE RIVER	٤	3	76	63
					HOBA	CK RIVER		6	73	60
					GREY:	5 RIVER		5	65	58
					 SALT	RIVER		5	59	56
					 SNAKI	E above Palis	ades	29	63	55
					 =========					

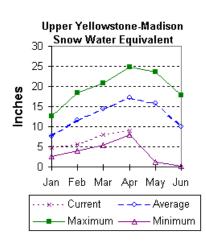
The average is computed for the 1961-1990 base period.

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

Upper Yellowstone and Madison River Basins (2)

Snow

Snowfall in these basins this year has been well below average for this time of the year. Snow water equivalent (SWE) is about 50 percent of average (57 percent of last year) in the Madison drainage. SWE in the Yellowstone drainage is about 54 percent of average (60 percent of last year at this time). See the "Snow Course Basin Summary" at the beginning of this document for more details on specific sites.



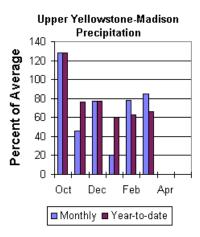
Precipitation

March precipitation in the Madison and Yellowstone drainage was about 85 percent of average (78 percent of previous year) for the 6 reporting stations -- percentage range was from 29 to 120 percent of average. Water-year-to-date precipitation is about 66 percent of average (75 percent of last year's amount). Year to date percentage ranges from 49 to 90 percent

Reservoir

Usable reservoir storage for Ennis Lake is 29,900 acre-feet (73 percent of capacity) – 90 percent of average. Hebgen

Lake usable storage is about 270,400 acre-feet of water (72 percent of capacity) – 110 percent of average. Ennis Lake is storing about 102 percent and Hebgen Lake is storing about 89 percent of last year's volume.



Streamflow

All the following forecasts are the 50 percent chance runoff for the April

through September runoff period. Yellowstone at Lake Outlet is expected to yield about 440,000 acre feet (56 percent of normal). Yellowstone at Corwin Springs will yield about 1,200,000 acre-feet (62 percent of normal). Yellowstone near Livingston will yield about 1,375,000 acre feet (61 percent of normal). Hebgen lake inflow is estimated to be 355,000 acre feet (69 percent of normal). See the following page for detailed runoff volumes.

	υ	PPER YELLO	WSTONE & MA	DISON	RIVER B.	ASINS			
		Streamflo	w Forecasts	- Ap	ril 1, 2	001			
		<<====	= Drier ===	=== :	Future C	onditions =:	===== Wette	r ====>>	
		1							
Forecast Point	Forecast					-			
	Period	90%	70%		• • •	Probable)		10%	30-Yr Avg.
		, , , ,	(1000AF)			(% AVG.)		(1000AF)	(1000AF)
				= = = =			1		
YELLOWSTONE at Lake Outlet	APR-SEP	371	412		440	56	490	563	792
YELLOWSTONE RIVER at Corwin Spgs.	APR-SEP	1024	1129	ł	1200	62	 1315	1485	1937
TELLOWSTONE RIVER at Corwin spgs.	APR-SEP	1024	1129		1200	62	1 1312	1485	1937
YELLOWSTONE RIVER near Livingston	APR-SEP	1131	1276	ł	1375	61	l I 1474	1619	2241
TELLOWSTONE RIVER heat DIVINGSCON	AFR-SEF	1151	1270	ł	1375	01	11/1	1019	2271
HEBGEN Reservoir Inflow	APR-SEP	282	314	ł	335	69	l 366	412	486
				i					
							===============		
UPPER YELLOWSTONE &	MADISON RI	VER BASINS			1	UPPER YELLO	WSTONE & MADI	SON RIVER B	ASINS
Reservoir Storage (100	0 AF) - End	of March				Watershed S	nowpack Analy	sis - April	1, 2001
	Usable	*** Usab	le Storage	* * *			Numb	er This	Year as % of
Reservoir	Capacity	This	Last		Wate	rshed	of	====	
		Year		Avg			Data S		Yr Average
ENNIS LAKE	41.0	29.9	29.2	33.2	MADI	SON RIVER in	WY 9	57	50
HEBGEN LAKE	377.5	270.4	304.7 2	46.6	YELL	OWSTONE RIVE	R in WY 12	60	54
					1				

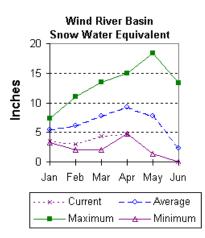
The average is computed for the 1961-1990 base period.

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

Wind River Basin (3)

Snow

The Wind River basin has much below average snow water equivalent (SWE) for this time of the year. SWE in the Wind River above Dubois is 57 percent of average (71 percent of last year). The Little Wind SWE is 42 percent of average water content (61 percent of last year), and the Popo Agie drainage SWE is about 45 percent of average (69 percent of last year). The Wind River basin, above Boysen Reservoir, SWE is about 50 percent of average (about 68 percent of last year). See the Basin Summary of Snow Course Data at the front of this report for details.



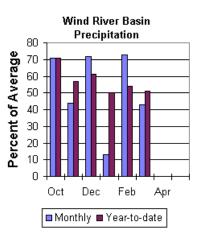
Precipitation

March precipitation in the basin varied from 16 to 86 percent of average. March precipitation for the basin was about 43 percent of average for the 10 reporting stations; that is about 47 percent of last year's amount. Water year-to-date precipitation is 51 percent of normal. The current water-year-to-date average is about 69 percent of last year at this time. Year to date figures range from 38 to 112 percent of average.

Reservoirs

Current usable storage varies from 75 to 108 percent of

average. Bull Lake is currently storing about 62,200 acre feet (41 percent of capacity) -- the reservoir is at 75 percent of average at this time of the year. Boysen Reservoir is storing about 75 percent of capacity 447,200 acre feet) -- the reservoir is at 84 percent of average for this time of the year. Pilot Butte is storing 74 percent of capacity (23,300 acre feet) -- the reservoir is at 108 percent of average for this time of the year.



Streamflow

Water supply is estimated to be much below normal this year. The following values reflect the 50 percent chance yields for the April through September runoff period. The Wind River above Bull Lake Creek is expected to yield 320,000 acre feet (60 percent of average). Wind River at Riverton will yield about 300,000 acre feet (46 percent of average). Boysen Reservoir inflow will yield about 320,000 acre feet (40 percent of normal). Bull Lake Creek near Lenore is expected to yield about 105,000 acre feet (57 percent of average). Little Popo Agie River near Lander is expected to yield about 15,500 acre feet (30 percent of average). South Fork of Little Wind near Fort Washakie will yield about 40,000 acre feet (49 percent of average). Little Wind River near Riverton will yield about 160,000 acre feet (49 percent of average).

		<i>a</i>	WIND RIVER							
			w Forecasts	-	-					
						onditions =				
Forecast Point		1				Exceeding *			1	
	Period	90%	70% (1000AF)		-	Probable) (% AVG.)		30% 0007E)	10% (1000AF)	30-Yr Avg. (1000AF)
		1 1 1 1 1	, ,							
WIND RIVER aby Bull Lake Cr (2)	APR-SEP	264	297	ļ	320	60	1	358	413	538
WIND RIVER at Riverton (2)	APR-SEP	206	262	ļ	300	46		383	504	648
BOYSEN RESERVOIR Inflow (2)	APR-SEP	201	272	ļ	320	40		440	616	809
BULL LAKE CR near Lenore (2)	APR-SEP	84	96	ļ	105	57		120	143	183
LT POPO AGIE RIVER nr Lander	APR-SEP	10.3	13.4	ļ	15.5	30		23	33	52
SF LT WIND nr Fort Washakie	APR-SEP	27	35	ļ	40	49		51	66	81
LT WIND RIVER nr Riverton	APR-SEP	87	131		160	49	 	220	308	324
				 =====:			 ========			
WIND RI	VER BASIN				I		WIND R	IVER BAS	IN	
Reservoir Storage (100	0 AF) - End	of March			ĺ	Watershed S	nowpack	Analysi	s - April	1, 2001
Reservoir	Usable		le Storage	* * *				Number		Year as % of
Reservoir	Capacity	This Year	Last Year	Avq	wate: 	rshed		of Data Sit		Yr Average
	، 			5	' =======					-
BULL LAKE	151.8	62.2	95.4	83.4	WIND	RIVER above	Dubios	7	71	57
BOYSEN	596.0	447.2	523.6 5	29.3	 LITTI	LE WIND		2	61	42
PILOT BUTTE	31.6	23.3	22.5	21.5	 POPO	AGIE		6	69	45
					 WIND	above Boyse	n Resv	14	68	50

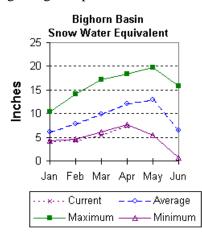
The average is computed for the 1961-1990 base period.

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

Bighorn River Basin (4)

Snow

Snowpack in this basin is well below average for this time of year. The Nowood drainage SWE is 58 percent of average (65 percent of last year). Greybull River SWE is 53 percent of average (75 percent of last year). Shell Creek SWE is 66 percent of average (70 percent of last year). The basin SWE, as a whole, is currently 61 percent of average (69 percent of last year). For more information see Basin Summary of Snow Courses at beginning of report.



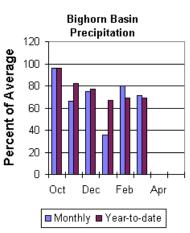
Precipitation

March precipitation was 71 percent of the monthly average (87 percent of last year). Sites ranged from 23 to 113 percent of average for the month. Year-to-date precipitation is 69 percent of normal; that is 78 percent of last year at this time. Year to date percentages, from the 13 reporting stations, range from 56 to 161.

Reservoir

Usable storage in Boysen Reservoir is currently 447,200acre feet (84 percent of

average). Bighorn Lake is now at 107 percent of average (854,300-acre feet). Boysen is currently storing 85 percent of last year at this time and Big Horn Lake is storing 94 percent of last year's volume.



Streamflow

The 50 percent chance April through September runoff is anticipated to be below normal. The Boysen Reservoir inflow is forecast to yield

320,000 acre feet (40 percent of average); the Greybull River nr Meeteese should yield 90,000 acre feet (45 percent of average); Shell Creek near Shell should yield 42,000 acre feet (56 percent of average) and the Bighorn River at Kane should yield 230,000 acre feet (21 percent of average).

			IGHORN RIVE							
			w Forecasts			001				
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Forecast Point	Forecast	=======		== Cha	ance Of	Exceeding * =				
	Period	90%	70%	5	0% (Most	Probable)	30)%	10%	30-Yr Avg.
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				= = = = = = = = = = = = = = = = = = = =			1			
BOYSEN RESERVOIR Inflow (2)	APR-SEP	201	272	!	320	40	4	40	616	809
		72	83	-	90	45		06	131	0.01
GREYBULL RIVER nr Meeteetse	APR-SEP	72	83		90	45	1 	106	131	201
SHELL CREEK nr Shell	APR-SEP	36	40		42	56	 	46	53	75
	MIK DEI	50	10	ł		50	1	10	55	75
BIGHORN RIVER at Kane (2)	APR-SEP	142	194	i	230	21	' I 3	399	648	1124
				i						
							==========			
BIGHORN	RIVER BASIN					I	BIGHORN R	NIVER H	BASIN	
Reservoir Storage (10	00 AF) - End	of March				Watershed Sr	nowpack A	nalysi	is - April	1, 2001
	Usable		le Storage	* * *				Number	#	Year as % of
Reservoir	Capacity	This	Last		Wate:	rshed		of		
	I	Year		Avg	!			ata Sit		Yr Average
BOYSEN	596.0	447.2		29.3		OD RIVER		5	 68	60
BOISEN	596.0	44/.2	523.0 5	29.3		OD RIVER		5	00	60
BIGHORN LAKE	1356.0	854.3	912.0 7	98.5	CBEA	BULL RIVER		2	75	53
DIGHORN LARE	1330.0	05115	, ,	50.5		DODD RIVER		-	,5	55
					SHEL	L CREEK		4	70	66
					i					
					BIGH	ORN (Boysen-H	Bighorn)	11	70	62

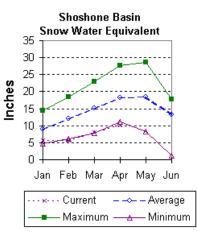
The average is computed for the 1961-1990 base period.

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

Shoshone and Clarks Fork River Basin (5)

Snow

Snow Water Equivalent (SWE) is 58 percent of the April 1 average (67 percent of last year) in the Shoshone River basin. The Clarks Fork River basin SWE is 54 percent of average (59 percent of last year). For more information see the Basin Summary of Snow Course Data at the beginning of this report.



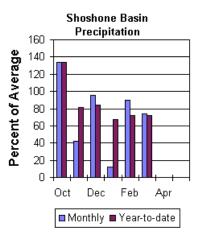
Precipitation

Precipitation for the month of March was 74 percent of normal (102 percent of last year). Monthly percentages range from 8 to 237 percent of average. The basin year-to-date precipitation is now 72 percent of average (76 percent of last year). Year-to-date percentages range from 40 to 135 percent of average.

Reservoir

Current usable storage in Buffalo Bill Reservoir is 100 percent of average (82 percent of last year's storage) – the

reservoir is about 56 percent of capacity. Currently, about 358,400 acrefeet of usable storage is in the reservoir compared to 436,200 acre feet last year – normally the reservoir stores about 359,000 acre feet at this time of the year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The fifty percent yield (April through September period) for North Fork Shoshone River at Wapiti is expected to be 290,000 acre-feet (56 percent of average). South Fork of the Shoshone River near Valley is estimated to yield of 125,000 acre-feet (47 percent of average), and South Fork above Buffalo Bill Reservoir is expected to be 94,000 acre-feet (41 percent of average). At the Buffalo Bill Reservoir, the fifty percent chance yield for the Shoshone River is expected to be about 450,000 acre-feet (56 percent of average). The fifty-percent chance yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be about 330,000 acre-feet (56 percent of average).

		SHOSHONE &	CLARKS FOR	K BINEB	BAST	 NS			
			v Forecasts						
				-	-				
		<<=====	Drier ====	== F11+1	ire C	onditions =:	====== Wetter		I
		1	Dilei	1400				//	1
Forecast Point	Forecast	I I		- Change	. Of	Exceeding * ·			1
Forecast Forme	Period	 90%	 70%			Probable)		10%	30-Yr Avg.
	Period	90% (1000AF)	(1000AF)		• • • • •		(1000AF)		30-11 AVg.
		1 ,	,		,		,	,	(1000AF)
NF SHOSHONE RIVER at Wapiti	APR-SEP	253	275	·	 290	56	 317	357	520
NF SHOSHONE RIVER at wapiti	APR-SEP	253	2/5	1 4	290	20	31/	357	520
SF SHOSHONE RIVER nr Valley	APR-SEP	103	116	 /	125	47	 144	171	269
SF SHOSHONE RIVER HE VAILey	APR-SEP	103	110	· ·	125	47	144	1/1	269
		6 2	01		~ 4	4.7			
SF SHOSHONE RIVER abv Buffalo Bill	APR-SEP	63	81		94	41	125	171	229
		265	415			50		600	
BUFFALO BILL DAM Inflow (2)	APR-SEP	365	415	. ·	450	56	512	602	804
			21.0			50		41.0	
CLARKS FORK RIVER nr Belfry	APR-SEP	280	310		330	56	366	419	590
				I			I		
SHOSHONE & CLARK							& CLARKS FORK		
Reservoir Storage (100	-			I			nowpack Analys	-	-
	Usable		le Storage *						
				**			Numbe		Year as % of
Reservoir	Capacity		Last	ļ	Wate	rshed	of		
	I	Year		vg					Yr Average
BUFFALO BILL	646.6	358.4	436.2 35	9.0	SHOS	HONE RIVER	7	67	58
				ļ			_		
				ļ	CLAR	KS FORK in W	Y 7	59	54

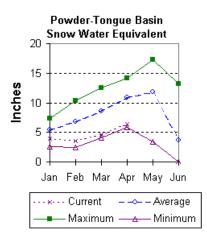
The average is computed for the 1961-1990 base period.

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

Powder and Tongue River Basins (6)

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 64 percent of normal (71 percent of last year). The Goose Creek drainage is 64 percent of average (77 percent of last year). Clear Creek drainage is 54 percent of normal SWE (63 percent of last year). Crazy Woman Creek is 51 percent of average (62 percent of last year). The Upper Powder River drainage is 63 percent of average (74 percent of last year). The Powder River drainage is 63 percent of average (74 percent of last year). The Powder River basin snow water equivalent (SWE), in Wyoming, is about 59 percent of average (69 percent of last year). For more information see Basin Summary of Snow Courses at beginning of report.



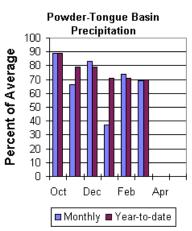
Precipitation

March precipitation was 69 percent of average for the 11 reporting stations (84 percent of last year). Monthly percentages range from 6 to 89 percent of average. Precipitation for the year ranges from 57 to 86 percent of average at the reporting stations. Year-to-date precipitation is about 70 percent of average in the basin; this is 76 percent of last year at this time.

Reservoir

Tongue River Reservoir is currently at 113 percent of

average usable storage for this time of year (40,900 acre feet) – the reservoir is about 52 percent of capacity (total capacity is 79,100 acre feet). Last year at this time the reservoir was storing about 36,100 acre feet – average storage is about 36,900 acre feet for this time of the 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 runoff values are for the 50 percent probability during the April through September forecast period. The estimated yield for Tongue River near Dayton is 68,000-acre feet (59 percent of normal). Middle Fork of the Powder River near Barnum is estimated to yield 8,300-acre feet (42 percent of average). The North Fork of the Powder near Hazelton should yield about 4,900 acre-feet (49 percent of normal). The estimated yield for Clear Creek near Buffalo is 22,000 acre-feet (56 percent of average). Rock Creek near Buffalo will yield about 14,000 acre-feet (58 percent of normal), and Piney Creek at Kearny should yield about 21,000 acre-feet (41 percent of average).

			R & TONGUE						
		Streamflow	v Forecasts	s - Ap	ril 1, 20	001			
		<<======	= Drier ==:		Future Co	onditions ==	===== Wetter	====>>	
Forecast Point	T			C h					
Forecast Point	Forecast Period	======== 90%	70%			Probable)	======================================	10%	30-Yr Avg.
	Ferrou		(1000AF)		-	(% AVG.)		(1000AF)	(1000AF)
TONGUE RIVER nr Dayton (2)	APR-SEP	52	61	İ	68	59	79	96	115
				I					
MIDDLE FORK POWDER nr Barnum	APR-SEP	5.3	7.1	ļ	8.3	42	11.2	15.4	19.7
NORTH FORK POWDER nr Hazelton	APR-SEP	3.6	4.4		4.9	49	6.0	7.5	10.1
NORTH FORK FOWDER III Hazerton	APR-SEP	5.0	1.1	ł	4.9	49	0.0	7.5	10.1
CLEAR CREEK nr Buffalo	APR-SEP	17.1	20	i	22	56	26	31	39
				i		i			
ROCK CREEK nr Buffalo	APR-SEP	10.0	12.4	I	14.0	58	16.8	21	24
				ļ					
PINEY CREEK at Kearny	APR-SEP	10.5	16.7	-	21	41	31	47	51
				 ======		ا =============			
POWDER & TON	GUE RIVER BA	SINS			1	POWDER	& TONGUE RIV	ER BASINS	
Reservoir Storage (10	00 AF) - End	of March			İ	Watershed Sn	owpack Analys	is - April	1, 2001
	Usable		le Storage	***			Numbe		Year as % of
Reservoir	Capacity		Last	_	Water	rshed	of		
	ا 	Year	Year	Avg					Yr Average
TONGUE RIVER	79.1	40.9	36.9	36.1	1	R TONGUE RIVE		71	64
					GOOSI	E CREEK	2	76	64
					CLEAN	R CREEK	4	71	61
						Y WOMAN CREEK	3	68	55
						I NORAN CREEK		00	22
					UPPEI	R POWDER RIVE	R 4	75	64
					Ì				
					POWDI	ER RIVER in W	Y 8	73	62

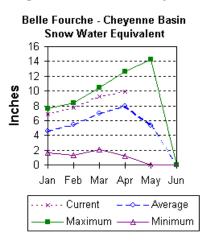
The average is computed for the 1961-1990 base period.

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

Belle Fourche and Cheyenne River Basins (7)

Snow.

Snow Water Equivalent (SWE) in the Belle Fourche River basin, as of April 1, is 126 percent of normal. This is 265 percent of what it was last year at this time. See Basin summary of Snow Course Data at the beginning of this report for a detailed listing.



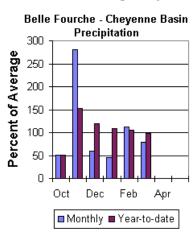
Precipitation.

Precipitation, for the month of March was 79 percent of average in the Black Hills (125 percent of last March). Monthly percentages range from 26 to 156 percent. Year-to-date precipitation is 99 percent of average and 154 percent of last year's amount. Year to date percentages range from 81 to 146. This is from the 3 reporting stations.

Reservoir.

Usable reservoir storage is generally above average in the

basin. Angostura is currently storing 99 percent of average (108,600acre feet). Belle Fourche reservoir is storing 135 percent of average (176,500-acre feet). Deerfield reservoir is storing 112 percent of average (15,100-acre feet). Keyhole reservoir is storing 156 percent of average (167,700-acre feet). Pactola reservoir is storing 116 percent of average (54,300-acre feet), and Shadehill reservoir is storing 131 percent of average (82,700-acre feet).



Streamflow

Streamflow forecasts are below average as of April 1. Deerfield Reservoir inflow is forecast at 2,500 acre feet (60 percent of average). Pactola is forecast at 10,000 acre feet (53 percent of average). This is for the April – July runoff period.

		BELLE FOUL							
		Streamflo		•					
		<<=====	== Drier		Future Co	onditions ==	===== Wetter	====>>	
Forecast Point	Forecast	======							
	Period	90%	70%	5	0% (Most	Probable)	30%	10%	30-Yr Avg.
		(1000AF) (1000A	F)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
				==== ===					
DEERFIELD RESERVOIR Inflow	APR-JUL	0.88	1.85		2.50	60	3.59	5.20	4.20
						I			
PACTOLA RESERVOIR Inflow	APR-JUL	0.8	6.3		10.0	53	17.0	27	18.9
				1					
BELLE FOURCHE &	CHEYENNE RIV	ER BASINS			1	BELLE FOUR	RCHE & CHEYENN	E RIVER BAS	SINS
Reservoir Storage (10	00 AF) - End	of March			1	Watershed Sr	nowpack Analys	is - April	1, 2001
	Usable	*** Usal	ole Stora	ge ***	1		Numbe	r This	Year as % of
Reservoir	Capacity	This	Last		Water	rshed	of	=====	
	1	Year	Year	Avg	1		Data Si	tes Last	Yr Average
					======				
ANGOSTURA	122.1	108.6	120.5	110.1	BELLE	E FOURCHE	6	278	126
					i				
BELLE FOURCHE	178.4	176.5	180.2	130.9	i				
					i				
DEERFIELD	15.2	15.1	15.0	13.5	i				
					i				
KEYHOLE	193.8	167.7	174.7	107.6	i				
					i				
PACTOLA	55.0	54.3	54.1	46.8	1				
PACTOLA	55.0	54.3	54.1	46.8	1				
PACTOLA	55.0	54.3 82.7	54.1 56.3		 				
				46.8 63.1	 				

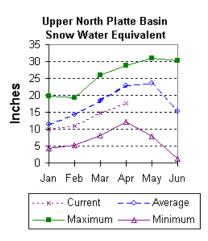
The average is computed for the 1961-1990 base period.

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

Upper North Platte River Basin (8)

Snow

The snow courses above Seminoe Reservoir have about 77 percent of average snow water equivalent (SWE) recorded for this time of the year (87 percent of last year). SWE in the drainage area above Northgate is about 80 percent of average and 77 percent of last year at this time. SWE in the Encampment River drainage is about 72 percent of normal and 90 percent of last year. Brush Creek SWE for the year is about 82 percent of normal and 99 percent of last year's SWE. Medicine Bow and Rock Creek drainage SWE is about 68 percent of average and 100 percent of last year at this time. For more information see Basin Summary of Snow Courses at the beginning of this report.



Precipitation

Nine reporting stations indicate March precipitation was 69 percent of average and about 78 percent of last year's amount. March precipitation varied from 24 to 89 percent of average. Total water-year-to-date precipitation is about 78 percent of average for the basin, which is about 89 percent of last year's amount. Year to date percentage ranges from 50 to 100 percent of average for the 9 reporting stations.

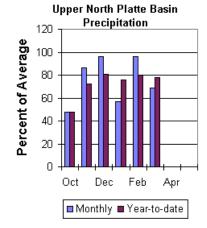
Reservoirs

Seminoe Reservoir usable

storage is currently about 176 percent of normal for this time of the year. The reservoir is storing 87 percent of last year's amount. Seminoe Reservoir is estimated to be storing 646,200 acre-feet (64 percent of capacity). Last year, at this time, the reservoir had 743,000 acre-feet in storage.

Streamflow

All the following yields are based on the fifty percent chance April through September yield. Yield for the North Platte River near



Northgate is expected to be about 146,000 acre-feet (54 percent of average). Encampment River near Encampment is estimated to yield 111,000 acre-feet (71 percent of normal). Rock Creek near Arlington is estimated to yield 35,000 acre-feet (63 percent of average). Seminoe Reservoir inflow should be about (488,000 acre-feet (57 percent of normal). See the following table for more detailed information on projected runoff.

		UPPER 1	NORTH PLATTE	RIVER BAS	IN						
Streamflow Forecasts - April 1, 2001											
				-							
		<<=====	= Drier ====	== Future	Conditions =	====== Wette	r ====>>	I			
		1						1			
Forecast Point	Forecast	, =======:		= Chance C	f Exceeding *			1			
	Period	90%	70%		st Probable)		10%	30-Yr Avg.			
			(1000AF)	1	F) (% AVG.)			J			
North Platte River nr Northgate	APR-SEP	48	106	146		1 186	244	271			
				1		1					
Encampment River nr Encampment	APR-SEP	73	96	I 111	71	126	149	156			
						1					
Rock Creek nr Arlington	APR-SEP	25	31	, I 35	63	40	47	56			
				1		1					
Seminoe Reservoir inflow	APR-JUL	299	394	450	57	554	708	788			
	APR-SEP	236	386	488		590	740	851			
		200	500	1 100	57		, 10	001			
						' 					
UPPER NORTH P	LATTE RIVER	BASTN		I	IIPPER	NORTH PLATTE	RIVER BASTN				
Reservoir Storage (10				1	Watershed Snowpack Analysis - April 1, 2001						
	-						-	-			
	Usable	*** Usab	le Storage *	**		Numb	er This	Year as % of			
Reservoir	Capacity		Last		tershed						
		Year		vg	ooz piiou			Yr Average			
				- 1							
SEMINOE	1016.7	646.2			PLATTE above M			80			
				1		· · j ·					
					CAMPMENT RIVE	2 4	90	72			
				I BR	USH CREEK	5	99	82			
				i		-					
				ме	DICINE BOW & P	OCK CREEK 3	100	68			
				1							
				, N	PLATTE above §	Seminoe 19	87	77			
					uboro .						
				1							

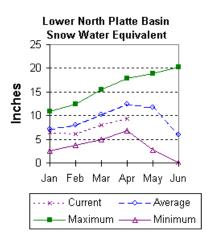
The average is computed for the 1961-1990 base period.

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

Lower North Platte River Basin (9)

Snow

SWE for the North Platte River basin in Wyoming averages 75 percent of normal (86 % of last year). The Sweetwater drainage SWE is currently 46 percent (56 percent of last year). Deer and LaPrele Creek SWE is 86 percent of average (97 percent of last year. SWE for the North Platte above the Laramie River drainage is 75 percent of average (86 % of last year). SWE for the Laramie River above Laramie is 76 percent of average (82 % of last year). SWE for the Little Laramie River is 66 percent of average (91 percent of last year). SWE for the Laramie River is 66 percent of average (91 percent of last year). SWE for the Laramie River is 66 percent of average (91 percent of last year). SWE for the Laramie River above the mouth is 73 percent of average (84 % of last year). For more information see Basin Summary of Snow Courses at beginning of report.



Precipitation

Last months precipitation ranged from 10 to 74 percent for the 11 reporting stations. March precipitation for the basin was 45 percent of average (51 percent of last year). The water year-to-date precipitation for the basin is currently 70 percent of average (84 percent of last year). Year to date percentages range from 38 to 105.

Reservoir

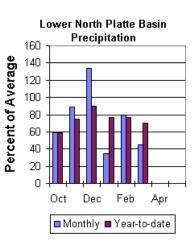
The Lower North Platte River basin usable storage is average to well above average. Reservoir storage is as follows:

Reservoir storage is as follows:

Alcova 156,400 acre feet (97 percent of average); Glendo 395,000 acre feet (94 percent of average); Guernsey 18,600 acre feet (86 percent of average); Pathfinder 770,900 acre feet (125 percent of average); Seminoe 646,200 acre feet (176 percent of average). Wheatland No.2 45,000 acre feet (92 percent of average)... Water allocated to project use is near average with North Platte Project users at 103 percent of average, Kendrick Project users at 119 percent of average, and Glendo Project users at 120 percent of average.

Streamflow

Yields from 30 to 66 percent are expected in the basin during the forecast period. The following yields are based on the fifty percent chance probability runoff for the April through September forecast period. The Sweetwater near Alcova is forecast to yield about 22,000 acre-feet (30 percent of average). Deer Creek at Glenrock is expected to yield about 56 percent of average (22,000 acre-feet). LaPrele Creek above the reservoir is estimated to yield 64 percent of average (16,100 acre-feet). North Platte River below Guernsey Reservoir is expected to yield about 47 percent of normal (463,000 acre-feet), and below Glendo Reservoir is anticipated to yield about 48 percent of average (460,000 acre-feet). Laramie River near Woods should yield about 66 percent of average (89,000 acre-feet). The Little Laramie near Filmore should produce about 38,000 acre-feet (59 percent of average).



_____ LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS Streamflow Foregasts 2001

		Streamflow Forecasts - April 1, 2001							
		<<===== 	Drier ====	== Future Co	onditions =:	====== Wetter	=====>> 		
Forecast Point	Forecast	========		= Chance Of 1	Exceeding * :				
	Period	90%	70%	50% (Most	Probable)	30%	10%	30-Yr Avg.	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)	
				==============		======			
Sweetwater River nr Alcova	APR-JUL	8.3	15.2	20	29	36	60	69	
	APR-SEP	8.9	16.3	22	30	39	63	74	
Deer Creek at Glenrock	APR-SEP	10.2	16.7	22	56	28	38	39	
La Prele Creek ab La Prele Reservoir	APR-SEP	4.0	9.9	16.1	64	25	42	25	
North Platte River blw Glendo Reserv	APR-JUL	182	338	445	48	552	708	925	
	APR-SEP	182	348	460	48	572	738	958	
North Platte River blw Guernsey Resv	APR-JUL	291	385	447	48	580	775	938	
	APR-SEP	305	404	463	47	601	803	985	
Laramie River nr Woods	APR-SEP	26	63	89	66	115	152	135	
				I		l			
Little Laramie River nr Filmore	APR-SEP	21	31	38	59	45	55	64	
				l					

_____ LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS Reservoir Storage (1000 AF) - End of March 1 Watershed Snowpack Analysis - April 1, 2001

	Usable	*** Usa	able Stora	ge ***		Number	This Yea:	r as % of
Reservoir	Capacity	This	Last		Watershed	of		
		Year	Year	Avg	1	Data Sites	Last Yr	Average
					= = = = = = = = = = = = = = = = = = =			
ALCOVA	184.3	156.4	156.8	162.0	SWEETWATER	3	61	46
GLENDO	506.4	395.9	463.6	420.3	DEER & LaPRELE CREEKS	4	97	86
GUERNSEY	45.6	18.6	18.6	21.6	N PLATTE abv Laramie R.	26	85	75
PATHFINDER	1016.5	770.9	994.9	619.0	LARAMIE RIVER abv Laram:	Le 9	82	76
SEMINOE	1016.7	646.2	743.0	368.0	LITTLE LARAMIE RIVER	4	91	66
WHEATLAND #2	98.9	45.0	74.0	48.7	LARAMIE RIVER above mout	ch 12	84	73
NORTH PLATTE PROJ	1062.1	695.2	1065.2	676.0	NORTH PLATTE	34	86	75
KENDRICK PROJECT	1201.7	968.4	987.0	812.7				
	102.2	150 1	155 0	107.0				
GLENDO PROJECT USERS	183.2	152.1	155.0	127.2				

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

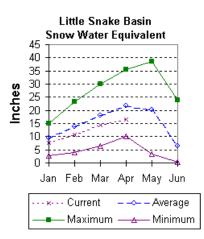
The average is computed for the 1961-1990 base period.

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

Little Snake River Basin (10)

Snow

Snowfall has been below average across the basin this year. Currently, snow water equivalent (SWE) in the Little Snake River drainage is 77 percent of average (88 percent of last year at this time). For more information see Basin Summary of Snow Courses at beginning of this report.



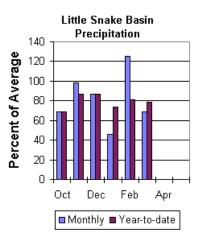
Precipitation

Precipitation across the basin was below average this past month. March precipitation was 69 percent of average (87 percent of last year) for the 5 reporting stations. March precipitation ranged from 61 to 84 percent of average. The Little Snake River basin water-year-to-date precipitation is currently 79 percent of average (90 percent of last year). Year-to-date percentages range from 73 to 85 percent of average.

Streamflow

Runoff yield in the Little Snake River drainage is expected to

be below normal this year. Stream yield is based on the 50 percent probability for the April through July forecast period. The Little Snake River near Slater should yield about 100,000 acre-feet (65 percent of normal). Little Snake River near Dixon is estimated to yield 210,000 acre-feet (64 percent of normal).



LITTLE SNAKE RIVER BASIN										
Streamflow Forecasts - April 1, 2001										
• · · ·										
		<<=====	Drier ====	== I	Future C	onditions ==	===== Wetter	=====>>		
		Ì						Í		
Forecast Point	Forecast			= Cha	ance Of :	Exceeding * =				
	Period	90%	70%	50	0% (Most	Probable)	30%	10%	30-Yr Avg.	
		(1000AF)	(1000AF)	1	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)	
				====			= = = = = = = = = = = = = = =			
Little Snake River nr Slater	APR-JUL	64	84	1	100	65	117	144	155	
				1						
LITTLE SNAKE R nr Dixon	APR-JUL	100	166	1	210	64	254	320	329	
				1			I			
LITTLE SNAF	E RIVER BAS	IN				LIT	TLE SNAKE RIVE	R BASIN		
Reservoir Storage (100	0 AF) - End	of March			Watershed Snowpack Analysis - April 1, 2001					
	Usable	*** Usabl	.e Storage *	**			Numbe	er This	Year as % of	
Reservoir	Capacity	This	Last		Wate	rshed	of	=====		
		Year	Year A	vg			Data Si	tes Last	Yr Average	
				====	======					
					LITT	LE SNAKE RIVE	ER 8	88	77	
				=====						

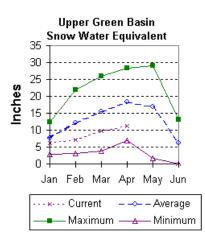
The average is computed for the 1961-1990 base period.

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

Upper Green River Basin (11)

Snow

The Upper Green River Basin snow water equivalent (SWE), above Fontenelle Reservoir, is about 61 percent of average (71 percent of last year). The Green River basin SWE above Warren Bridge is 63 percent of normal (71 percent of last year). SWE on the west side of the Upper Green River basin is about 57 percent of normal, 68 percent of this time last year. Newfork River SWE is now about 76 percent of normal (83 percent of last year). Big Sandy-Eden Valley SWE is about 57 percent of average (65 percent of last year). For more information see the Basin Summary of Snow Courses at the beginning of this report.



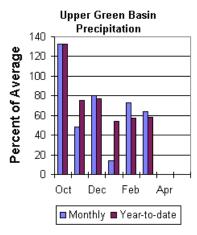
Precipitation

The 11 reporting precipitation sites in the basin were 64 percent of the March average (82 percent of last year at this time). March precipitation varied from 40 to 91 percent of average. Water year-to-date precipitation is about 58 percent of average (79 percent of last year). Year to date percentage of average ranges from 52 to 65 percent for the reporting stations.

Reservoir

Usable storage in Big Sandy Reservoir is 7,700 acre-feet (39

percent of average and 52 percent of the total capacity). Eden Reservoir is storing 0 acre-feet (0 percent of average and 0 percent of the total capacity). Usable storage in Fontenelle Reservoir is 110,300 acre feet (70 percent of average and 46 percent of capacity. Flaming Gorge Reservoir is currently storing 3,025,000 acre feet -- 935 percent of last year and 801 percent of capacity. There is no average established for Flaming Gorge. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The fifty-percent chance April through July runoff in the Upper Green River basin is forecast below average. Green River at Warren Bridge is expected to yield about 165,000 acre-feet (62 percent of normal). Pine Creek above Fremont Lake is expected to yield 80,000 acre-feet (77 percent of normal). New Fork River near Big Piney is expected to yield about 240,000 acre-feet (62 percent of normal). Fontenelle Reservoir Inflow is estimated to be 450,000 acre-feet (53 percent of average), and Big Sandy near Farson is expected to be about 35,000 acre-feet (61 percent of normal).

UPPER GREEN RIVER BASIN												
Streamflow Forecasts - April 1, 2001												
		<<=====	== Drier ===	=== 1	Future Co	onditions ==	===== Wett	er ===:	==>>			
Forecast Point	Forecast	======		== Cha	ance Of 1	Exceeding * =						
	Period	90%	70%	•		Probable)				30-Yr Avg.		
		(1000AF	, , , , ,		,	(% AVG.)	(1000AF	, , ,		(1000AF)		
				= ====								
Green River at Warren Bridge	APR-JUL	122	148		165	62	182	:	208	266		
Pine Creek abv Fremont Lake	APR-JUL	65	74		80	77	86		95	104		
New Fork River nr Big Piney	APR-JUL	134	197		240	62	283	:	346	385		
Fontenelle Reservoir Inflow	APR-JUL	335	401		450	53	502	!	583	849		
Big Sandy River nr Farson	APR-JUL	17.8	28		35	61	42		52	57		
				ا =====								
UPPER GREI	EN RIVER BAS	IN			UPPER GREEN RIVER BASIN							
Reservoir Storage (10)	00 AF) - End	of March			Watershed Snowpack Analysis - April 1, 2001							
				=====								
	Usable	*** Usal	ble Storage	* * *	Number Thi					is Year as % of		
Reservoir	Capacity	This	Last		Watershed			of =====				
	I	Year		Avg				Sites		Average		
					1							
BIG SANDY	38.3	7.7	21.1	19.9	GREEI	N above Warre	en Bridge	4	72	63		
EDEN		NO REPO	RT		UPPEI	R GREEN (West	: Side)	7	68	57		
FLAMING GORGE	3749.0	3025.0	3199.0		NEWF(ORK RIVER		3	83	76		
FONTENELLE		NO REPO	RT		BIG :	SANDY/EDEN VA	ALLEY	2	65	57		
					 GREEI	N above Fonte	enelle 1	.4	71	61		
					=======							

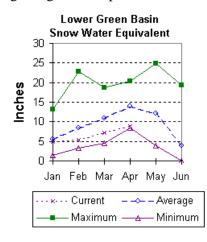
The average is computed for the 1961-1990 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
The value is natural volume - actual volume may be affected by upstream water management.

Lower Green River Basin (12)

Snow

Snow Water Equivalent in the Lower Green, as of April 1, is below average. SWE in the Hams Fork is 60 percent of average (71% of last year). Blacks Fork SWE is currently 66 percent of average (73 percent of last year). The Henry's fork SWE is currently 84 percent of average (89 percent of last year). The basin, as a whole, is 63 percent of average (72 percent of last year). For more information see Basin Summary of Snow Courses at beginning of this report.



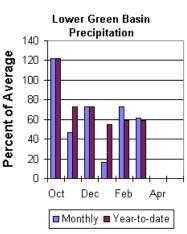
Precipitation

Precipitation was below average for the 3 reporting stations during March. Precipitation ranged from 28 to 75 percent of average for the month. The entire basin received 61 percent of average for the month (83 percent of last year). The basin year-to-date precipitation is currently 59 percent of average (84 percent of last year). Year to date percentages range from 55 to 68.

Reservoir

Usable storage in Fontenelle Reservoir this month is 110,300

acre feet (70 percent of average and 105 percent of last year. Flaming Gorge is currently at 3,025,000 acre feet of usable storage. There is no average established for Flaming Gorge. Viva Naughton is currently at 32,200 acre feet of usable storage (119 percent of average).



Streamflow

Expected yields vary from 37 to 74 percent of average across the basin. The following forecast values are based on a 50 percent chance

probability for the April through July forecast period. Green River near Green River is forecast to yield about 460,000-acre feet (51 percent of average). Blacks Fork near Robertson is forecast to yield 70,000-acre feet (74 percent of average). East Fork of Smiths Fork near Robertson is estimated to yield 22,000 acre-feet (73 percent of average). The estimated yield for Hams Fork near Frontier is 28,000-acre feet (42 percent of average). Viva Naughton Reservoir inflow will be about 33,000-acre feet (37 percent of average). Flaming Gorge Reservoir inflow will be about 620,000-acre feet (52 percent of average).

LOWER GREEN RIVER BASIN											
Streamflow Forecasts - April 1, 2001											
		<<=====	= Drier ===	===	Future C	onditions ===	==== Wette	r ====>>			
		!									
Forecast Point	Forecast	1				Exceeding * ==					
	Period	90%	70%			Probable)	30%	10%	30-Yr Avg.		
		(1000AF)	,			(% AVG.)	,	(1000AF)	(1000AF)		
Green River nr Green River, WY	APR-JUL	244	373		460	- 51	 547	676	899		
Green kiver ni Green kiver, wi	APR-JUL	244	373	-	400	51	547	070	033		
Blacks Fork nr Robertson	APR-JUL	47	61	ł	70	74	79	93	95		
BIACKS FOIR II RODELLSON	AFR-001		01	ł	70	/ 1	75	55	55		
EF of Smiths Fork nr Robertson	APR-JUL	17.4	20	i	22	73	24	28	30		
			20	ł				20			
Hams Fk blw Pole Ck nr Frontier	APR-JUL	16.7	23	i	28	42	33	42	66		
				i		i					
Hams Fk Inflow to Viva Naughton Res	APR-JUL	23	29	i	33	37	44	59	89		
-				i		i					
Flaming Gorge Reservoir Inflow	APR-JUL	319	498	i	620	52	742	921	1196		
				i		i					
LOWER GREEN	N RIVER BAS	IN			LOWER GREEN RIVER BASIN						
Reservoir Storage (1000) AF) - End	of March			Watershed Snowpack Analysis - April 1, 2001						
	Usable	*** Usab	le Storage	* * *			Numb	er Thig	S Year as % of		
Reservoir	Capacity	This	Last		Wate	rshed	of	====			
		Year	Year	Avg			Data S	ites Last	: Yr Average		
					======						
FONTENELLE		NO REPORT	Т		HAMS	FORK RIVER	4	71	60		
FLAMING GORGE	3749.0	3025.0	3199.0		BLAC	KS FORK	5	73	66		
					ļ						
VIVA NAUGHTON RES	42.4	32.2	33.4	27.1	HENR	YS FORK	3	89	84		
							.				
					GREE	N above Flamir	ng Gorge 26	72	63		
					I						

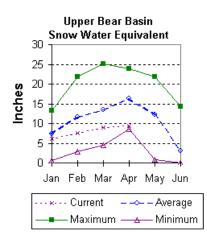
The average is computed for the 1961-1990 base period.

The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
The value is natural volume - actual volume may be affected by upstream water management.

Upper Bear River Basin (13)

Snow

Snow water equivalent (SWE), at snow courses in the Bear River above the Idaho State line, is 57 percent of average (68 percent of last year). SWE for the Bear River in Utah is estimated to be 60 percent of average; that is about 69 percent of last year at this time. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 58 percent of average (69 percent of last year at this time.). See the Basin Summary of Snow Course Data at the beginning of this report for more detailed information.



Precipitation

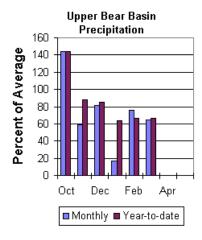
Precipitation for the month of March was 65 percent of average for the 2 reporting stations; this is 71 percent of the previous March. The year-to-date precipitation, for the basin, is 66 percent of average; this is 85 percent of last year's amount.

Reservoir

Woodruff Narrows reservoir did not report this month.

Streamflow

The following 50 percent chance stream flow yields are for the April through September period. Smiths Fork near Border is estimated to yield 52,000 acre-feet (44 percent of normal), and Thomas Fork drainage near the Idaho-Wyoming state line is estimated to yield 7,200 acre-feet or 20 percent of normal. Bear River near the Utah-Wyoming State Line is expected to yield about 60,000 acre feet (48 percent of average), The



Bear River near Woodruff is expected to yield about 68,000 acre-feet (about 44 percent of normal).

UPPER BEAR RIVER BASIN											
		Streamflow	V Forecasts	- April 1, 2	2001						
		<<=====	Drier ====	== Future (onditions =		Wetter	====>>			
		1	21101	100010							
Forecast Point	Foregat			- Change Of	Exceeding *						
Forecast Forme	Period	90%	70%		Probable)		 30%	10%	30-Yr Avg.		
	Period	1			-				-		
		1 1 1 1 1	(1000AF)	, , , , ,	(% AVG.)			(1000AF)	(1000AF)		
						======					
SMITHS FK nr Border, WY	APR-SEP	39	46	52	44	!	59	70	118		
THOMAS FK nr WY-ID State Line (Disc	. APR-SEP	4.5	5.9	7.2	20		8.7	11.6	36		
				l							
Bear R nr UT-WY State Line	APR-SEP	47	54	60	48		66	77	126		
BEAR R nr Woodruff, UT	APR-SEP	40	55	68	44		84	114	154		
UPPER BEAR	RIVER BASI	N		I	UPPER BEAR RIVER BASIN						
Reservoir Storage (100) AF) - End	of March			Watershed Snowpack Analysis - April 1, 2001						
	Usable	*** Usabl	Le Storage *	**			Number	This 1	lear as % of		
Reservoir	Capacity	This	Last	Wate	Watershed			=====			
	i	Year	Year A	va l		I	Data Sit	es Last	(r Average		
WOODRUFF NARROWS		NO REPORT	r		R BEAR RIVER	in Utak	n 7	69	60		
			-	1							
				ידאפ	THS & THOMAS	FORKS	4	69	58		
				DHII	no a monno	I ORRD	•	05	50		
					R RIVER abv I	D line	9	68	57		
					K RIVER ADV I	DIINE	3	00	57		
							77	63	54		
				NOR1	THWEST		77	63	54		
				NORI	THEST		19	92	73		
				I .							
				SOUT	THEAST		37	85	75		
				SOUT	THWEST		35	74	65		

The average is computed for the 1961-1990 base period.

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

lssued by

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