



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Wyoming Basin Outlook Report March 1, 2010



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.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.

Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is below average for March 1st at 71%. February precipitation for the basins varied from 48-91% of average. Year-to-date precipitation for Wyoming basins varied from 60-115% 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 80-206% of average for an overall average of 109%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below average for this time of year at 71%. SWE in the NW portion of Wyoming is now about 57% of average (64% of last year). NE Wyoming SWE is currently about 78% of average (65% of last year). The SE Wyoming SWE is currently about 83% of average (80% of last year). The SW Wyoming SWE is about 64% of average (69% of last year).

Precipitation

Last month's precipitation was well below average across Wyoming. The Wind River Basin had the lowest precipitation for the month at 48% of average. The Belle Fourche & Cheyenne River Basins had the highest precipitation amount at 91% of average. The following table displays the major river basins and their departure from average for this month.

Basin	Departure from average	Basin	Departure from average
Snake River	-47%	Upper North Platte River	-13%
Yellowstone & Madison	-44%	Lower North Platte	-15%
Wind River	-52%	Little Snake River	-15%
Big Horn	-29%	Upper Green River	-40%
Shoshone & Clarks Fork	-39%	Lower Green River	-44%
Powder & Tongue River	-26%	Upper Bear River	-40%
Belle Fourche & Cheyenne	-9%		

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 53% (varying from 31-104% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 50 and 67% of average, respectively; 37-69% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 31% and 31% of average, respectively; varying from 31-79% 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 62-68% of average: Yields from the Powder & Tongue River Basins are expected to be about 46 and 58% of average, respectively; varying from 46-80% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 104% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 67 and 58% of average, respectively; varying from 36-100% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 73, 43, and 50% of average respectively; yield estimates vary from 43-76% of average:

Reservoirs

Reservoir storage for February varies widely across the state however reservoir storage is at 109% of average for the entire state. Reservoirs on the North Platte River are above average at 107% of average. Reservoirs in the northeast are above average in storage at 100%. Reservoirs in the Wind River Basin are slightly below average at 97%. Reservoirs on the Big Horn are above average at 104%. The Buffalo Bill Reservoir on the Shoshone is above average at 107%. Reservoirs on the Green River are above average at 107%. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

BASIN AREA RESERVOIR	CURRENT AS %CAPACITY	LAST YR AS %CAPACITY	AVERAGE AS %CAPACITY	CURRENT AS %AVERAGE	CURRENT AS %LAST YR
WYOMING AND SURROUNDING STATES					
ALCOVA	85	85	84	100	100
ANGOSTURA	62	57	83	75	109
BELLE FOURCHE	77	88	63	122	88
BIG SANDY	50	34	50	101	147
BIGHORN LAKE	67	68	61	110	98
BOYSEN	92	94	96	96	99
BUFFALO BILL	67	68	63	107	99
BULL LAKE	53	59	56	94	89
DEERFIELD	93	95	87	107	98
EDEN			NO REPORT		
ENNIS LAKE	69	72	77	90	95
FLAMING GORGE	85	79	78	109	107
FONTENELLE	36	36	45	80	101
GLENDO	61	56	75	81	108
GRASSY LAKE	84	86	79	107	98
GUERNSEY	41	39	31	133	106
HEBGEN LAKE	77	76	70	109	101
JACKSON LAKE	74	76	58	127	98
KEYHOLE	52	48	55	96	108
PACTOLA	97	94	84	116	103
PALISADES	84	72	74	114	117
PATHFINDER	72	39	70	103	183
PILOT BUTTE	84	80	63	133	104
SEMINOE	67	50	52	128	134
SHADEHILL	59	48	61	97	123
TONGUE RIVER	64	76	31	206	85
VIVA NAUGHTON RES			NO REPORT		
WHEATLAND #2	70	47	48	146	151
WOODRUFF NARROWS	84	78	48	174	108
TOTAL 27 RESERVOIRS	75	68	69	109	110
Raw KAF Totals Current=9950 Last Year=9056 Average=9159 Capacity=13246					

BASIN SUMMARY OF SNOW COURSE DATA

MARCH 2010

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

WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	2/25/10	44	10.9	11.8	11.8
ASTER CREEK	7750	2/25/10	38	10.3	19.6	25.2
BALD MOUNTAIN SNOTEL	9380	3/01/10	50	11.7	15.9	16.0
BASE CAMP SNOTEL	7030	3/01/10	---	7.3	12.9	16.0
BATTLE MTN. SNOTEL	7440	3/01/10	31	8.6	13.5	9.7
BEARLODGE DIVIDE	4680	2/25/10	19	4.4	3.4	1.8
BEARTOOTH LK. SNOTEL	9280	3/01/10	44	11.5	17.8	19.7
BEAR TRAP SNOTEL	8200	3/01/10	21	4.1	7.4	4.3
BIG GOOSE SNOTEL	7760	3/01/10	24	5.6	6.9	7.7
BIG PARK	8620	2/24/10	41	11.0	14.1	16.2
BIG SANDY SNOTEL	9080	3/01/10	33	7.2	9.9	12.1
BLACKWATER SNOTEL	9780	3/01/10	46	12.3	18.1	20.4
BLIND BULL SNOTEL	8900	3/01/10	47	11.9	20.5	23.1
BLIND PARK SNOTEL	6870	3/01/10	21	5.2	8.3	7.1
BLUE RIDGE	9620	2/23/10	27	5.7	3.7	9.8
BONE SPGS. SNOTEL	9350	3/01/10	42	9.1	15.8	13.2
BROOKLYN LK. SNOTEL	10220	3/01/10	59	16.4	18.5	19.0
BURGESS JCT. SNOTEL	7880	3/01/10	32	7.7	9.5	9.0
BURROUGHS CRK SNOTEL	8750	3/01/10	28	6.5	13.1	12.6
CANYON SNOTEL	8090	3/01/10	30	7.0	10.4	11.3
CASPER MTN. SNOTEL	7850	3/01/10	34	7.7	8.3	11.3
CASTLE CREEK	8400	2/25/10	10	1.2	4.6	4.0
CCC CAMP	7000	2/24/10	26	6.4	11.9	11.0
CHALK CK #1 SNOTEL	9100	3/01/10	46	13.1	17.8	19.9
CHALK CK #2 SNOTEL	8200	3/01/10	32	7.1	12.3	12.9
CINNABAR PARK SNOTEL	9690	3/01/10	60	16.7	19.3	15.9
CLOUD PEAK SNOTEL	9850	3/01/10	35	8.4	14.0	10.0
COLE CANYON SNOTEL	5910	3/01/10	19	4.4	5.5	5.7
COLD SPRINGS SNOTEL	9630	3/01/10	17	4.0	5.6	7.2
COTTONWOOD CR SNOTEL	7700	3/01/10	---	12.8	21.9	18.5
CROW CREEK SNOTEL	8830	3/01/10	28	7.8	5.9	7.3
DARBY CANYON	8250	2/26/10	44	10.4	17.8	20.3
DEER PARK SNOTEL	9700	3/01/10	40	10.2	7.7	14.4
DITCH CREEK	6870	2/23/10	13	2.1	3.7	3.6
DIVIDE PEAK SNOTEL	8860	3/01/10	47	14.1	18.7	15.6
DOMELAKE SNOTEL	8880	3/01/10	29	5.8	9.8	9.5
DU NOIR	8760	2/24/10	13	2.1	7.1	6.8
EAST RIM DIV SNOTEL	7930	3/01/10	---	4.2	8.0	11.0
ELBO RANCH	7100	3/01/10	20	4.9	8.5	10.3
ELKHART PARK SNOTEL	9400	3/01/10	---	6.4	10.8	11.1
EVENING STAR SNOTEL	9200	3/01/10	56	15.0	23.5	25.0
FOUR MILE MEADOWS	7860	2/24/10	24	4.9	9.9	10.8
FOXPARK	9060	2/25/10	31	7.3	6.9	6.3
GEYSER CREEK	8500	2/24/10	11	2.1	7.3	6.0
GLADE CREEK	7040	2/25/10	41	10.7	18.8	20.9
GRAND TARGHEE SNOTEL	9260	3/01/10	90	28.0	32.5	--
GRANITE CRK SNOTEL	6770	3/01/10	---	7.5	14.0	16.1
GRANNIER MEADOWS	8860	2/23/10	31	7.4	5.4	11.7
GRASSY LAKE SNOTEL	7270	3/01/10	61	17.4	24.7	29.5

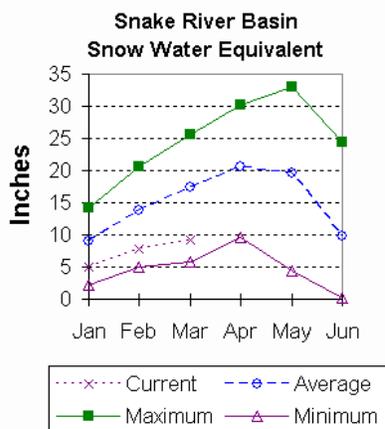
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GRAVE SPRINGS SNOTEL	8550	3/01/10	29	6.9	6.8	7.3
GROS VENTRE SNOTEL	8750	3/01/10	27	5.9	10.6	11.5
GROVER PARK DIVIDE	7000	2/24/10	26	6.7	11.9	10.0
HAIRPIN TURN	9480	2/26/10	45	11.7	12.9	13.9
HANSEN S.M. SNOTEL	8360	3/01/10	17	3.8	5.4	5.2
HAMS FORK SNOTEL	7840	3/01/10	---	5.8	9.1	11.0
HASKINS CREEK	8980	2/25/10	77	21.8	29.6	25.9
HOBACK GS	6640	2/23/10	23	5.3	8.2	--
HOBBS PARK SNOTEL	10100	3/01/10	37	8.6	7.9	11.9
HUCKLEBERRY DIVIDE	7300	2/25/10	36	9.0	16.8	18.5
INDIAN CREEK SNOTEL	9430	3/01/10	---	14.1	18.8	22.3
JACKPINE CREEK	7350	2/26/10	44	12.0	15.2	19.4
KELLEY R.S. SNOTEL	8180	3/01/10	---	8.0	12.1	14.0
KENDALL R.S. SNOTEL	7740	3/01/10	22	4.6	9.5	12.4
KIRWIN SNOTEL	9550	3/01/10	27	5.5	9.5	9.1
LAKE CAMP	7780	3/02/10	24	5.3	10.0	8.7
LA PRELE SNOTEL	8380	3/01/10	30	6.0	7.7	8.9
LARSEN CREEK	9020	2/22/10	21	3.7	4.9	11.0
LEWIS LAKE SNOTEL	7850	3/01/10	47	13.5	21.1	29.7
LIBBY LODGE	8750	2/26/10	35	8.3	10.2	9.6
LITTLE BEAR RUN	6240	2/23/10	16	2.7	5.7	3.4
LITTLE WARM SNOTEL	9370	3/01/10	21	5.0	8.8	9.5
LOOMIS PARK SNOTEL	8240	3/01/10	---	6.4	14.0	14.5
LUPINE CREEK	7380	2/25/10	17	2.9	1.6	7.9
MALLO	6420	2/23/10	23	5.0	9.9	6.6
MARQUETTE SNOTEL	8760	3/01/10	19	4.3	3.2	6.9
MEDICINE LODGE LAKES	9340	2/23/10	33	7.4	10.9	9.2
MIDDLE FORK	7420	2/23/10	20	4.1	2.8	4.8
MIDDLE POWDER SNOTEL	7760	3/01/10	29	7.7	8.7	9.0
MORAN	6750	2/24/10	28	5.7	11.0	11.8
MOSS LAKE	9800	2/26/10	75	19.6	19.4	19.9
NEW FORK SNOTEL	8340	3/01/10	19	4.1	9.8	9.6
NORRIS BASIN	7500	2/28/10	22	6.0	7.7	9.6
NORTH BARRETT CREEK	9400	2/26/10	78	20.2	19.4	17.5
NORTH FRENCH SNOTEL	10130	3/01/10	100	28.1	28.3	22.7
NORTH RAPID CK SNTL	6130	3/01/10	27	7.2	8.0	6.8
NORTH TONGUE	8450	2/23/10	32	6.7	11.8	10.3
OLD BATTLE SNOTEL	9920	3/01/10	78	23.6	27.0	26.3
OLD FAITHFUL	7400	2/28/10	22	4.8	8.9	12.9
ONION GULCH	8780	2/25/10	22	4.1	6.8	6.7
OWL CREEK SNOTEL	8980	3/01/10	22	4.5	4.2	4.1
PARKERS PEAK SNOTEL	9400	3/01/10	58	14.7	19.9	18.2
PHILLIPS BNCH SNOTEL	8200	3/01/10	47	13.4	20.8	23.9
POCKET CREEK	9350	2/22/10	25	5.5	7.5	10.9
POCKET CREEK SNOTEL	9350	3/01/10	36	6.0	--	--
POLE MOUNTAIN	8700	2/24/10	36	8.1	5.0	6.8
POWDER RVR.PASS SNTL	9480	3/01/10	30	6.6	10.9	8.7
PURGATORY GULCH	8970	2/25/10	34	8.4	12.4	9.5
RANGER CREEK	8120	2/23/10	26	5.1	7.8	7.3
RENO HILL SNOTEL	8500	3/01/10	40	9.6	9.0	10.4
REUTER CANYON	6280	2/25/10	27	7.9	15.8	8.4
ROWDY CREEK	8300	2/23/10	34	9.2	13.6	18.5
RYAN PARK	8400	2/26/10	43	9.0	11.0	9.7
SAGE CK BASIN SNTL	7850	3/01/10	38	9.1	11.4	9.0
SALT RIVER SNOTEL	7600	3/01/10	---	7.4	11.6	12.2
SAND LAKE SNOTEL	10050	3/01/10	81	23.3	23.9	25.2
SANDSTONE RS SNOTEL	8150	3/01/10	42	8.0	14.6	12.5

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SAWMILL DIVIDE	9260	2/24/10	35	7.6	12.4	10.2
SHELL CREEK SNOTEL	9580	3/01/10	44	9.5	14.4	11.8
SHERIDAN R.S.	7750	2/24/10	10	1.7	3.4	5.2
SNAKE RIVER STATION	6920	2/25/10	35	8.9	14.7	18.3
SNAKE RV STA SNOTEL	6920	3/01/10	22	7.3	13.4	16.6
SNIDER BASIN SNOTEL	8060	3/01/10	29	7.2	11.8	12.4
SOLDIER PARK	8780	2/26/10	12	2.2	4.3	4.4
SOUR DOUGH	8460	2/25/10	23	3.9	5.0	5.4
SOUTH BRUSH SNOTEL	8440	3/01/10	42	10.1	11.3	10.0
SOUTH PASS SNOTEL	9040	3/01/10	37	8.8	8.3	14.0
SPRING CRK. SNOTEL	9000	3/01/10	53	14.0	22.0	22.2
ST LAWRENCE ALT SNTL	8620	3/01/10	20	3.8	2.4	5.9
SUCKER CREEK SNOTEL	8880	3/01/10	39	8.9	11.3	9.1
SYLVAN LAKE SNOTEL	8420	3/01/10	41	10.8	14.8	18.8
SYLVAN ROAD SNOTEL	7120	3/01/10	25	5.7	11.7	11.4
T CROSS RANCH	7900	2/25/10	9	1.5	5.9	6.8
TETON PASS W.S.	7740	3/01/10	43	12.7	18.2	23.4
THUMB DIVIDE SNOTEL	7980	3/01/10	29	6.8	12.9	15.4
THUMB DIVIDE	7980	2/25/10	26	5.5	12.8	15.8
TIE CREEK SNOTEL	6870	3/01/10	9	1.8	3.9	4.9
TIMBER CREEK SNOTEL	7950	3/01/10	11	2.2	3.1	4.2
TOGWOTEE PASS SNOTEL	9580	3/01/10	51	13.4	22.4	20.7
TOWNSEND CRK SNOTEL	8700	3/01/10	29	6.3	4.6	6.9
TRIPLE PEAK SNOTEL	8500	3/01/10	50	14.0	20.4	20.9
TURPIN MEADOWS	6900	2/24/10	19	3.5	8.2	9.4
TWO OCEAN SNOTEL	9240	3/01/10	54	15.7	27.3	23.3
TYRELL RANGER STA.	8300	2/25/10	20	3.0	7.2	6.2
UPPER SPEARFISH	6500	2/24/10	18	4.3	7.8	5.6
WEBBER SPRING SNOTEL	9250	3/01/10	56	15.8	20.6	21.3
WHISKEY PARK SNOTEL	8950	3/01/10	65	20.5	26.7	23.8
WILLOW CREEK SNOTEL	8450	3/01/10	---	17.5	27.7	25.4
WINDY PEAK SNOTEL	7900	3/01/10	22	5.1	6.7	6.0
WOLVERINE SNOTEL	7650	3/01/10	21	6.0	9.7	10.6
WOOD ROCK G.S.	8440	2/24/10	28	5.5	7.1	7.8
YOUNTS PEAK SNOTEL	8350	3/01/10	29	7.6	15.3	14.6

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is below average at 53%. SWE in the Snake River Basin above Jackson Lake is 50% of average. Pacific Creek Basin SWE is 56% 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 63% of average. In the Salt River area SWE is 66% of average. SWE in the Snake River Basin above Palisades is 53% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.



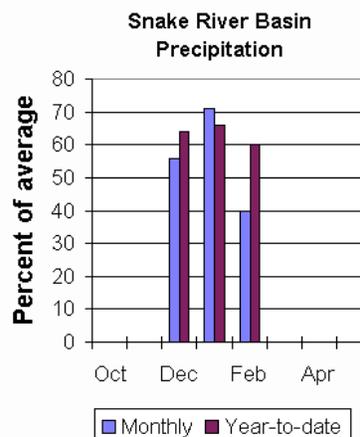
Precipitation

Precipitation across the basin was below average last month. Monthly precipitation for the basin was 40% of average (58% of last year). Last month's percentages range from 16-76% of average for the 16 reporting stations. Water-year-to-date precipitation is 60% of average for the Snake River Basin (63% of last year). Year-to-date percentages range from 49-77% of average.

Reservoir

Current reservoir storage is 118% of average for the 3 storage reservoirs

in the basin. Grassy Lake storage is about 107% of average (12,800 ac-ft compared to 13,000 last year). Jackson Lake storage is 127% of average (628,700 ac-ft compared to 644,800 ac-ft last year). Palisades Reservoir storage is about 114% of average 1,815,500 ac-ft compared to 1,661,800 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 500,000 ac-ft (55% of average). Snake above reservoir near Alpine is 1,300,000 ac-ft (48% of average). The Snake near Irwin is 1,950,000 ac-ft (50% of average). The Snake near Heise is 2,070,000 ac-ft (50% of average). Pacific Creek near Moran is 87,000 ac-ft (49% of average). Buffalo Fork above Lave near Moran is 195,000 ac-ft (57% of average). Gros Ventre River at Kelly is 90,000 ac-ft (37% of average). Greys River above Palisades Reservoir is 215,000 ac-ft (54% of average). Salt River near Etna is 190,000 ac-ft (45% of average). See the following page for detailed runoff volumes.

SNAKE RIVER BASIN

Streamflow Forecasts - March 1, 2010

Forecast Pt Forecast Period	Future Conditions Chance of Exceeding *					30 Yr Avg (1000AF)	
	<=== Drier ===> 90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
=====							
SNAKE nr Moran (1,2)							
APR-JUL	260	385	440	54	495	620	815
APR-SEP	290	435	500	55	565	710	905
SNAKE abv Resv nr Alpine (1,2)							
APR-JUL	600	945	1100	46	1260	1600	2370
APR-SEP	710	1120	1300	48	1480	1890	2730
SNAKE nr Irwin (1,2)							
APR-JUL	995	1440	1640	49	1840	2280	3330
APR-SEP	1240	1730	1950	50	2170	2660	3870
SNAKE near Heise (2)							
APR-JUL	1200	1530	1750	49	1970	2300	3560
APR-SEP	1450	1820	2070	50	2320	2690	4160
Pacific Ck At Moran							
APR-JUL	35	62	80	47	98	125	171
APR-SEP	40	68	87	49	106	134	178
Buffalo Fork ab Lava nr Moran, WY							
APR-JUL	118	152	175	58	198	230	301
APR-SEP	129	168	195	57	220	260	344
Gros Ventre R at Kelly, WY							
APR-JUL	22	56	80	40	104	138	200
APR-SEP	22	62	90	37	118	158	244
Greys R Nr Alpine							
APR-JUL	122	159	185	54	210	250	340
APR-SEP	139	184	215	54	245	290	395
Salt R Nr Etna							
APR-JUL	34	103	150	44	197	265	340
APR-SEP	50	133	190	45	245	330	420

- * 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 February

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
GRASSY LAKE	15.2	12.8	13.0	12.0
JACKSON LAKE	847.0	628.7	644.8	494.0
PALISADES	1400.0	1174.0	1004.0	1033.1

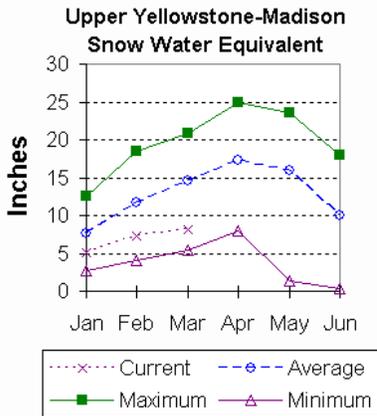
SNAKE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2010

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SNAKE above Jackson Lake	9	58	50
PACIFIC CREEK	3	56	56
GROS VENTRE RIVER	3	57	57
HOBACK RIVER	5	54	47
GREYS RIVER	4	61	63
SALT RIVER	5	60	66
SNAKE above Palisades	27	58	53

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been below average so far this year. Snow water equivalent (SWE) is at 55% of average in the Madison drainage. SWE in the Yellowstone drainage is at 58% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

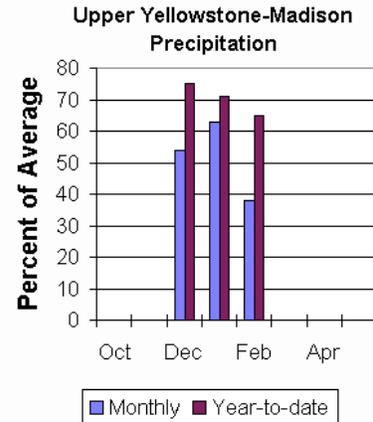
Last month precipitation in the Madison and Yellowstone drainage was about 38% of average (57% of last year). The 5 reporting stations percentages range from 18-62% of average. Water-year-to-date precipitation is about 65% of average (69% of last year's amount). Year to date percentage ranges from 55-77%.

Reservoir

Ennis Lake is storing about 28,200 ac-ft of water (69% of capacity, 90% of average or 95% of last year's volume). Hebgen Lake is storing about 288,800 ac-ft of water (77% of capacity, 109% of average or 101% 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 450,000 ac-ft (56% of average). Yellowstone at Corwin Springs will yield around 1,290,000 ac-ft (66% of average). Yellowstone near Livingston will yield around 1,480,000 ac-ft (65% of average). Hebgen Reservoir inflow is 350,000 ac-ft (69% of average). See the following page for detailed runoff volumes.



UPPER YELLOWSTONE & MADISON RIVER BASINS

Streamflow Forecasts - March 1, 2010

```

=====
<=== 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)
=====
YELLOWSTONE at Lake Outlet
APR-JUL      230      300      345      59      390      460      590
APR-SEP      300      390      450      56      510      600      805
YELLOWSTONE RIVER at Corwin Springs
APR-JUL      795      975      1100     67     1220     1410     1650
APR-SEP      920     1140     1290     66     1440     1660     1970
YELLOWSTONE RIVER near Livingston
APR-JUL      860     1090     1250     66     1410     1640     1900
APR-SEP     1020     1290     1480     65     1670     1940     2280
HEBGEN Reservoir Inflow
APR-JUL      199      240      265      67      290      330      395
APR-SEP      270      320      350      69      380      430      505
=====

```

```

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

```

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

```

=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity          This Year    Last Year    Average
=====
ENNIS LAKE         41.0            28.2        29.6        31.4
HEBGEN LAKE       377.5           288.8       285.8       265.2
=====

```

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

```

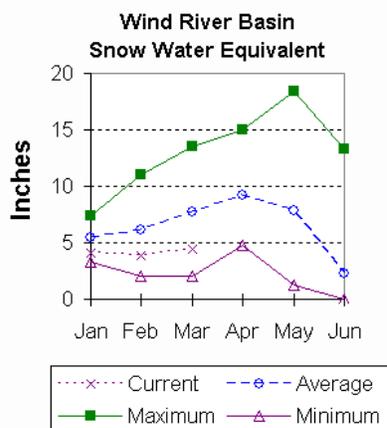
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Average
=====
MADISON RIVER in WY          8              70              55
YELLOWSTONE RIVER in WY     12             61              58
=====

```

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir has below average snow water equivalent (SWE 58%) for this time of the year. SWE in the Wind River above Dubois is 48% of average. The Little Wind SWE is 70% of average, and the Popo Agie drainage SWE is about 70% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



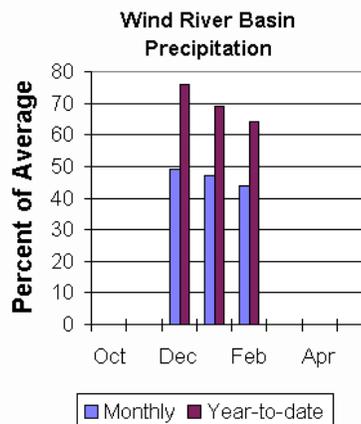
Precipitation

Last months precipitation in the basin varied from 21-57% of average. Precipitation, for the basin, was about 44% of average from the 8 reporting stations; that is about 81% of last year's amount. Water year-to-date precipitation is 64% of average and about 70% of last year at this time. Year-to-date percentages range from 36-91% of average.

Reservoirs

Current storage varies from 94-133% of

average. Usable storage in Bull Lake is currently about 80,300 ac-ft (94% of average) - the reservoir is about 89% of last year. Boysen Reservoir is storing about 96% of average (550,600 ac-ft) - the reservoir is about 99% of last year. Pilot Butte is at 133% of average (26,400 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.



Streamflow

The 50% exceedance forecasts for the April through September runoff period for the basin are below average. Dinwoody Creek near Burris is 63,000 ac-ft (67% of average). The Wind River above Bull Lake Creek is 280,000 ac-ft (52% of average). Bull Lake Creek near Lenore is 121,000 ac-ft (67% of average). Wind River at Riverton will yield around 270,000 ac-ft (42% of average). Little Popo Agie River near Lander is around 29,000 ac-ft (55% of average). South Fork of Little Wind near Fort Washakie will yield around 60,000 ac-ft (71% of average). Little Wind River near Riverton will yield around 152,000 ac-ft (48% of average). Boysen Reservoir inflow will yield around 250,000 ac-ft (31% of average). See the following page for detailed runoff volumes.

WIND RIVER BASIN

Streamflow Forecasts - March 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg (1000AF)				
	90% (1000AF)		70% (1000AF)		50% (1000AF) (% AVG.)			30% (1000AF)		10% (1000AF)	
DINWOODY CREEK nr Burris											
APR-JUL	31	39	44	66	49	57	67				
APR-SEP	46	56	63	67	70	80	94				
WIND RIVER abv Bull Lake Cr (2)											
APR-JUL	117	181	225	52	270	335	435				
APR-SEP	150	230	280	52	330	410	535				
BULL LAKE CR near Lenore											
APR-JUL	69	88	100	68	112	131	148				
APR-SEP	83	105	121	67	137	159	182				
WIND RIVER at Riverton (2)											
APR-JUL	87	181	245	45	310	405	545				
APR-SEP	79	193	270	42	345	460	640				
LT POPO AGIE RIVER nr Lander											
APR-JUL	8.9	17.9	24	52	30	39	46				
APR-SEP	12.8	22	29	55	36	45	53				
SF LT WIND RIVER nr Fort Washakie											
APR-JUL	32	44	52	71	60	72	73				
APR-SEP	37	51	60	71	69	83	84				
LT WIND RIVER nr Riverton											
APR-JUL	52	78	130	46	182	260	280				
APR-SEP	60	95	152	48	210	295	315				
BOYSEN RESERVOIR Inflow (2)											
APR-JUL	92	146	230	32	385	615	717				
APR-SEP	100	160	250	31	425	680	809				

* 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 February

Reservoir	Usable Capacity	***** This Year *****	Usable Storage Last Year	***** Average *****
BULL LAKE	151.8	80.3	89.9	85.4
BOYSEN	596.0	550.6	557.4	571.4
PILOT BUTTE	31.6	26.4	25.3	19.9

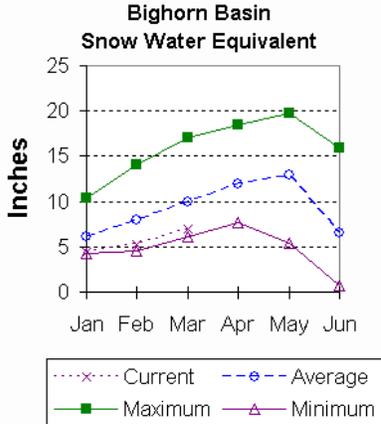
WIND RIVER BASIN Watershed Snowpack Analysis - March 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	7	47	48
LITTLE WIND	2	120	70
POPO AGIE	7	126	70
WIND above Boysen Resv	14	69	58

Bighorn River Basin

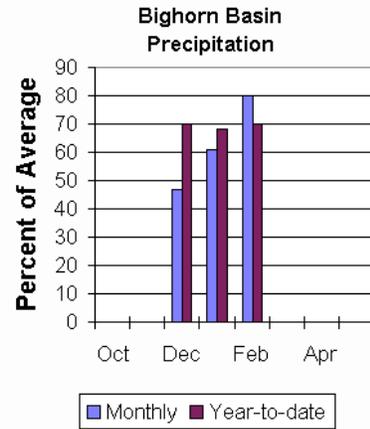
Snow

The Bighorn River Basin SWE above Bighorn Reservoir is below average at 71%. The Nowood River is at 72% of average. The Greybull River SWE is at 58% of average. Shell Creek SWE is 73% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation was 80% of average (96% of last year). Sites ranged from 31-122% of average for the month. Year-to-date precipitation is 70% of average; that is 64% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 55-84%.



Reservoir

Boysen Reservoir is currently storing 550,600 ac-ft (96% of average). Bighorn Lake is now at 110% of average (908,400 ac-ft). Boysen is currently storing 99% of last year volume at this time and Big Horn Lake is storing 98% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 250,000 ac-ft (31% of average); the Greybull River near Meeteetse should yield around 117,000 ac-ft (59% of average); Shell Creek near Shell should yield around 57,000 ac-ft (79% of average) and the Bighorn River at Kane should yield around 345,000 ac-ft (31% of average). See the following page for detailed runoff volumes.

BIGHORN RIVER BASIN

Streamflow Forecasts - March 1, 2010

```

=====
<=== 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)
=====
BOYSEN RESERVOIR Inflow (2)
APR-JUL      92      146      |      230      |      32      385      615      |      717
APR-SEP      100     160      |      250      |      31      425      680      |      809
GREYBULL RIVER nr Meeteetse
APR-JUL      49      71      |      86      |      58      101      123      |      148
APR-SEP      69      98      |      117     |      59      136      165      |      200
SHELL CREEK nr Shell
APR-JUL      30      39      |      45      |      75      51      60      |      60
APR-SEP      40      50      |      57      |      79      64      74      |      72
BIGHORN RIVER at Kane (2)
APR-JUL      128     200      |      320      |      32      530      840      |      1000
APR-SEP      138     215      |      345      |      31      575      910      |      1110
=====

```

```

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

```

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

```

=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity      This Year      Last Year      Average
=====
BOYSEN              596.0          550.6          557.4          571.4
BIGHORN LAKE       1356.0         908.4          923.5          826.3
=====

```

BIGHORN RIVER BASIN
Watershed Snowpack Analysis - March 1, 2010

```

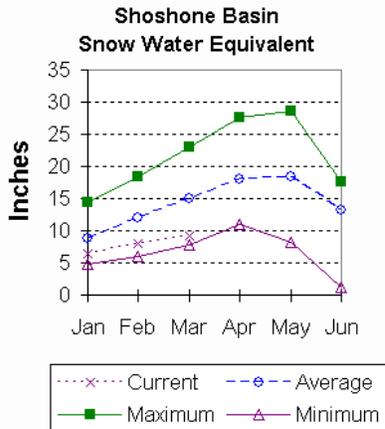
=====
Watershed          Number of          This Year as Percent of
                   Data Sites        Last Year          Average
=====
NOWOOD RIVER       5                  65                  72
GREYBULL RIVER     2                  61                  58
SHELL CREEK        4                  66                  73
BIGHORN (Boysen-Bighorn) 11                65                  71
=====

```

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is below average for this time of year. Snow Water Equivalent (SWE) is 57% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 64% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



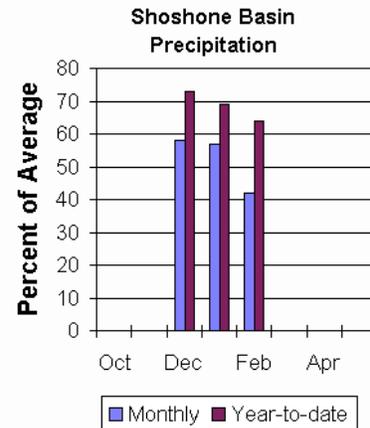
Precipitation

Precipitation for last month was 42% of average (60% of last year). Monthly percentages range from 30-62% of average. The basin year-to-date precipitation is now 64% of average (64% of last year). Year-to-date percentages range from 46-77% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 107% of average (99% of last year's storage) - the

reservoir is at about 67% of capacity. Currently, about 432,300 ac-ft are stored in the reservoir compared to 436,700 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 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 148,000 ac-ft (66% of average). The Buffalo Bill Reservoir inflow is expected to yield around 505,000 ac-ft (63% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 375,000 ac-ft (63% of average). See the following page for detailed runoff volumes.

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

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	Chance of Exceeding * 50% (1000AF) (% AVG.)		30% (1000AF)		10% (1000AF)
=====							
NF SHOSHONE RIVER at Wapiti							
APR-JUL	215	275	315	69	355	415	460
APR-SEP	245	310	355	68	400	465	520
SF SHOSHONE RIVER nr Valley							
APR-JUL	95	122	141	63	160	187	225
APR-SEP	112	143	164	62	185	215	265
SF SHOSHONE RIVER abv Buffalo Bill							
APR-JUL	70	114	144	67	174	220	215
APR-SEP	70	116	148	66	180	225	225
BUFFALO BILL DAM Inflow (2)							
APR-JUL	300	395	460	64	525	620	720
APR-SEP	330	435	505	63	575	680	805
CLARKS FORK RIVER nr Belfry							
APR-JUL	250	310	350	65	390	450	540
APR-SEP	265	330	375	63	420	485	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.

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

Reservoir	Usable	***** Usable Storage *****		
	Capacity	This Year	Last Year	Average
BUFFALO BILL	646.6	432.3	436.7	405.8

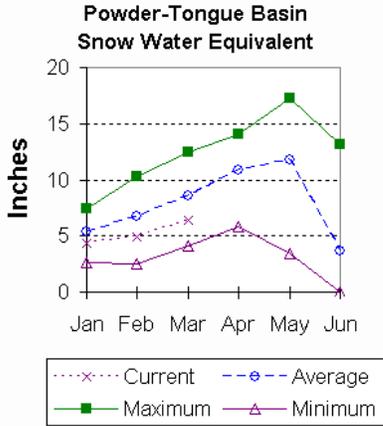
SHOSHONE & CLARKS FORK RIVER BASINS
Watershed Snowpack Analysis - March 1, 2010

Watershed	Number of	This Year as Percent of	
	Data Sites	Last Year	Average
SHOSHONE RIVER	6	64	57
CLARKS FORK in WY	7	67	64

Powder and Tongue River Basins

Snow

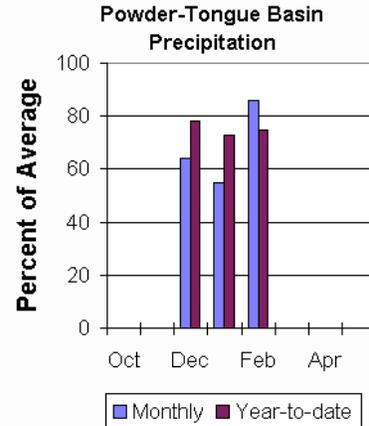
Snow water equivalent (SWE) in the Upper Tongue River drainage is 73% of average. The Goose Creek drainage is 69% of average. SWE in the Clear Creek drainage is 73% of average. Crazy Woman Creek drainage is 70% of average. Upper Powder River drainage SWE is 78% of average. Powder River Basin SWE in Wyoming is 76% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 86% of average for the 9 reporting stations (96% of last year). Monthly percentages range from 61-122% of average. Year-to-date precipitation is 75% of average in the basin; this is 64% of last year at this time.

Precipitation for the year ranges from 66-91% of average.



Reservoir

The Tongue River Reservoir is at 64% of capacity; 206% of average; and 85% of last year at 50,700 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 82,000 ac-ft (75% of average). Big Goose Creek near Sheridan is 38,000 ac-ft (63% of average). Little Goose Creek near Bighorn is 27,000 ac-ft (64% of average). The Tongue River Reservoir Inflow is 146,000 ac-ft (58% of average). The Middle Fork of the Powder River near Barnum is 15,000 ac-ft (80% of average). The North Fork of the Powder River near Hazelton should yield around 5,800 ac-ft (56% of average). Rock Creek near Buffalo will yield about 15,100 ac-ft (63% of average), and Piney Creek at Kearny should yield about 31,000 ac-ft (60% of average). The Powder River at Moorehead is 111,000 ac-ft (48% of average). The Powder River near Locate is 120,000 ac-ft (46% of average). See the following page for detailed runoff volumes.

POWDER & TONGUE RIVER BASINS

Streamflow Forecasts - March 1, 2010

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF)					30 Yr Avg (1000AF)	
	90%	70%	50%	30%	10%		
TONGUE RIVER nr Dayton (2)							
APR-JUL	41	59	72	75	85	103	96
APR-SEP	48	68	82	75	96	116	109
BIG GOOSE CREEK nr Sheridan							
APR-JUL	12.5	24	32	62	40	51	52
APR-SEP	18.1	30	38	63	46	58	60
LITTLE GOOSE CREEK nr Big Horn							
APR-JUL	10.0	17.1	22	65	27	34	34
APR-SEP	13.9	22	27	64	32	40	42
TONGUE RIVER RESERVOIR Inflow (2)							
APR-JUL	53	89	133	61	177	245	220
APR-SEP	58	99	146	58	193	260	250
MIDDLE FORK POWDER nr Barnum							
APR-JUL	8.4	11.8	14.2	80	16.6	20	17.8
APR-SEP	9.0	12.6	15.0	80	17.4	21	18.7
NORTH FORK POWDER nr Hazelton							
APR-JUL	2.2	4.1	5.4	56	6.7	8.6	9.6
APR-SEP	2.4	4.4	5.8	56	7.2	9.2	10.4
ROCK CREEK nr Buffalo							
APR-JUL	4.9	9.4	12.5	63	15.6	20	19.9
APR-SEP	6.9	11.8	15.1	63	18.4	23	24
PINEY CREEK at Kearny							
APR-JUL	5.5	20	30	61	40	55	49
APR-SEP	6.1	21	31	60	41	56	52
POWDER RIVER at Moorehead							
APR-JUL	39	52	98	48	144	210	205
APR-SEP	44	63	111	48	159	230	230
POWDER RIVER nr Locate							
APR-JUL	43	54	109	46	164	245	235
APR-SEP	48	61	120	46	179	265	260

* 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.

Reservoir Storage (1000AF) End of February

Reservoir	Usable Capacity	***** This Year *****	Usable Storage Last Year	***** Average *****
TONGUE RIVER	79.1	50.7	60.0	24.6

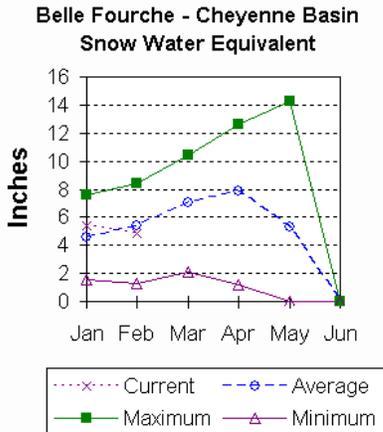
Watershed Snowpack Analysis - March 1, 2010

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	66	73
GOOSE CREEK	3	65	69
CLEAR CREEK	4	64	73
CRAZY WOMAN CREEK	3	64	70
UPPER POWDER RIVER	4	67	78
POWDER RIVER in WY	8	65	76

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 93% of average for this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



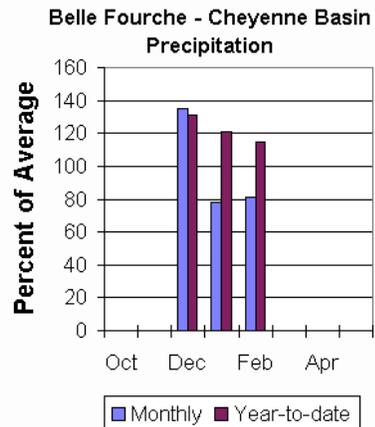
Precipitation

Precipitation for last month was 81% of average or 96% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 80-83%. Year-to-date precipitation is 115% of average and 82% of last year's amount. Yearly percentages range from 113-116% of average.

Reservoir

Current reservoir storage is around 100% of average in the basin. Angostura is currently storing 75% of average (75,800 ac-ft), about 62% of capacity. Belle

Fourche reservoir is storing 122% of average (137,300 ac-ft), about 77% of capacity. Deerfield reservoir is storing 107% of average (14,100 ac-ft), about 93% of capacity. Keyhole reservoir is storing 96% of average (101,600 ac-ft), about 52% of capacity. Pactola reservoir is storing 116% of average (53,400 ac-ft), about 97% of capacity. Shadehill reservoir is storing 97% of average (48,400 ac-ft), about 59% 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 5,000 ac-ft (98% 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

Streamflow Forecasts - March 1, 2010

```

=====
<=== 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)
=====
DEERFIELD RESERVOIR Inflow
MAR-JUL      2.4    4.6    6.2    102    7.8    10.0    6.1
APR-JUL      2.6    4.0    5.0    98     6.2    8.1     5.1
PACTOLA RESERVOIR Inflow
MAR-JUL      11.2   22     29     112    36     47     26
APR-JUL      11.1   18.2   24     104    31     42     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
Reservoir Storage (1000AF) End of February

```

=====
Reservoir      Usable      ***** Usable Storage *****
                Capacity   This Year   Last Year   Average
=====
ANGOSTURA      122.1       75.8       69.3       101.7
BELLE FOURCHE  178.4       137.3      156.6      113.0
DEERFIELD      15.2        14.1       14.4       13.2
KEYHOLE        193.8       101.6      93.8       105.9
PACTOLA        55.0        53.4       51.8       46.0
SHADEHILL      81.4        48.4       39.4       50.0
=====

```

BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - March 1, 2010

```

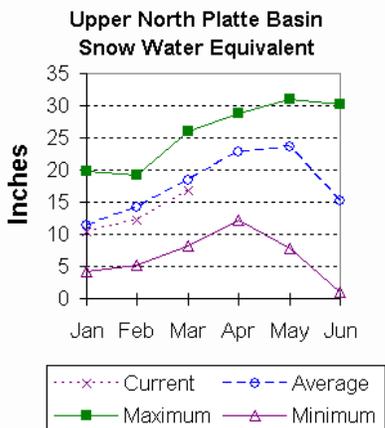
=====
Watershed      Number of      This Year as Percent of
                Data Sites    Last Year      Average
=====
BELLE FOURCHE      8              66              93
=====

```

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 74% of average at this time. SWE in the Encampment River drainage is about 84% of average. Brush Creek SWE for the year is about 109% of average. Medicine Bow and Rock Creek drainages SWE are about 93% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



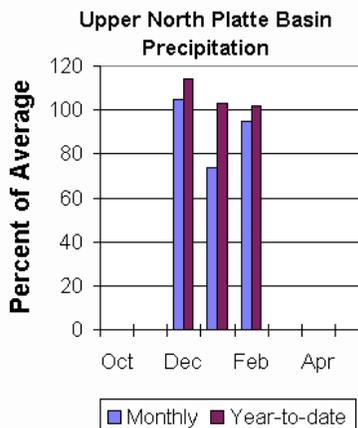
Precipitation

Eight reporting stations show last month's precipitation at 95% of average or 80% of last year's amount. Precipitation varied from 65-164% of average last month. Total water-year-to-date precipitation is about 102% of average for the basin, which is about 92% of last year's amount. Year to date percentage ranges from 77-136% of average.

Reservoirs

Seminoe Reservoir is estimated to be

storing 676,200 ac-ft or 67% of capacity. Seminoe Reservoir is also storing about 128% of average for this time of the year and 134% 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 131,000 ac-ft (79% of average). Rock Creek near Arlington is 56,000 ac-ft (98% of average). The Sweetwater River near Alcova forecast is for 29,000 ac-ft (36% of average). Seminoe Reservoir inflow should be around 580,000 ac-ft (67% of average). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN

Streamflow Forecasts - March 1, 2010

```

=====
<=== 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)
=====
NORTH PLATTE RIVER nr Northgate
APR-JUL      53     88     133     54     178     245     245
APR-SEP      59     98     148     55     198     275     270
ENCAMPMENT RIVER nr Encampment
APR-JUL      81    106     123     79     140     165     156
APR-SEP      86    113     131     79     149     176     165
ROCK CREEK nr Arlington
APR-JUL      37     47     53     100     59     69     53
APR-SEP      39     49     56     98     63     73     57
SWEETWATER RIVER nr Alcova
APR-JUL     10.8   15.2     27     37     39     56     74
APR-SEP     11.6   16.1     29     36     42     61     80
SEMINOE RESERVOIR Inflow
APR-JUL     117    370     540     68     710     965     800
APR-SEP     117    395     580     67     765    1040     860
=====

```

```

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

```

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

```

=====
Usable ***** Usable Storage *****
Reservoir Capacity This Year Last Year Average
=====
SEMINOE      1016.7      676.2      506.2      527.4
=====

```

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

```

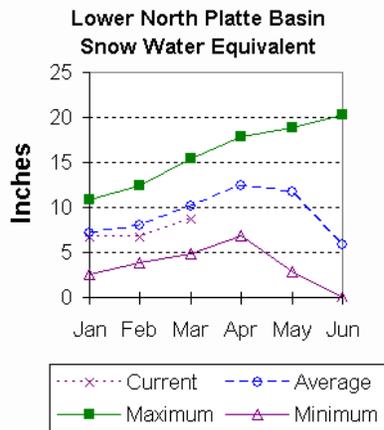
=====
Number of This Year as Percent of
Watershed Data Sites Last Year Average
=====
N PLATTE above Northgate      7      72      74
ENCAMPMENT RIVER              4      79      84
BRUSH CREEK                   5      97     109
MEDICINE BOW & ROCK CREEKS    3      96      93
N PLATTE above Seminoe       19      82      87
=====

```

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 85% of average. The Sweetwater drainage SWE is currently at 59% of average. Deer and LaPrele Creek SWE are at 81% of average. SWE for the North Platte above the Laramie River drainage is 83% of average. SWE for the Laramie River above Laramie is 91% of average. SWE for the Little Laramie River is 91% of average. The Laramie River above mouth, SWE is 89% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 81% of average or 88% of last year's amount. Of the 8 reporting stations, percentages for the month range from 29-171%. The water year-to-date precipitation for the basin is currently 98% of average (103% of last year). Year-to-date percentages range from 64-169% of average.

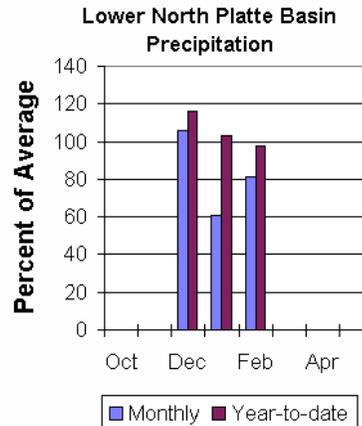
Reservoir

The Lower North Platte River basin reservoir storage is above average at 107%. Reservoir storage is as follows: Alcova 156,200 ac-ft

(100% of average); Glendo 308,400 ac-ft (81% of average); Guernsey 18,900 ac-ft (133% of average); Pathfinder 735,900 ac-ft (103% of average); Seminoe 676,200 ac-ft (128% of average); and Wheatland #2 69,500 ac-ft (146% of average):

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 29,000 ac-ft (36% of average). Deer Creek at Glenrock is forecast to yield 31,000 ac-ft (84% of average). LaPrele Creek above the reservoir is forecast to yield 15,400 ac-ft (64% of average). North Platte - Alcova to Orin Gain is forecast to yield 99,000 ac-ft (62% of average). North Platte River below Glendo Reservoir is 570,000 ac-ft (58% of average), and below Guernsey Reservoir is anticipated to yield around 585,000 ac-ft (58% of average). Laramie River near Woods Landing should yield around 128,000 ac-ft (95% 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

Streamflow Forecasts - March 1, 2010

Forecast Pt Forecast Period	<=== Drier ===		Future Conditions		=== Wetter ===>		30 Yr Avg (1000AF)
	90% (1000AF)	70% (1000AF)	Chance of Exceeding (1000AF) (% AVG.)		50% (1000AF)	30% (1000AF)	
SWEETWATER RIVER nr Alcova							
APR-JUL	10.8	15.2	27	37	39	56	74
APR-SEP	11.6	16.1	29	36	42	61	80
DEER CREEK at Glenrock							
APR-JUL	12.4	15.7	31	84	46	69	37
APR-SEP	12.4	15.7	31	84	46	69	37
LaPRELE CREEK abv Reservoir							
APR-JUL	6.2	7.8	15.4	64	23	34	24
APR-SEP	6.2	7.8	15.4	64	23	34	24
NORTH PLATTE - Alcova to Orin Gain							
APR-JUL	37	48	93	61	138	205	152
APR-SEP	40	52	99	62	146	215	161
NORTH PLATTE RIVER blw Glendo Res (2)							
APR-JUL	300	460	565	59	670	830	960
APR-SEP	290	460	570	58	680	850	990
NORTH PLATTE RIVER blw Guernsey Res (2)							
APR-JUL	235	430	565	58	700	895	970
APR-SEP	245	445	585	58	725	925	1010
LARAMIE RIVER nr Woods							
APR-JUL	81	102	116	94	130	151	123
APR-SEP	89	112	128	95	144	167	135
LITTLE LARAMIE RIVER nr Filmore							
APR-JUL	39	51	59	100	67	79	59
APR-SEP	42	55	64	100	73	86	64

* 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.

Reservoir Storage (1000AF) End of February

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
ALCOVA	184.3	156.2	156.4	155.6
GLENDO	506.4	308.4	285.3	381.4
GUERNSEY	45.6	18.9	17.8	14.2
PATHFINDER	1016.5	735.9	401.5	712.4
SEMINOE	1016.7	676.2	506.2	527.4
WHEATLAND #2	98.9	69.5	46.0	47.7

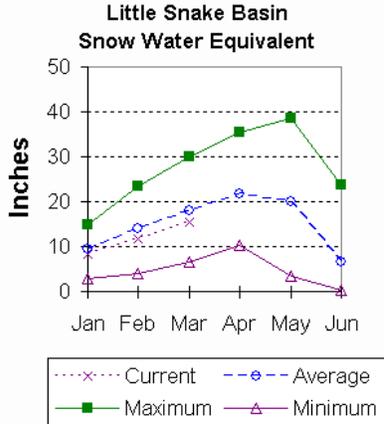
Watershed Snowpack Analysis - March 1, 2010

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SWEETWATER	4	114	59
DEER & LaPRELE CREEKS	2	93	81
N PLATTE abv Laramie R.	25	85	83
LARAMIE RIVER abv Laramie	10	90	91
LITTLE LARAMIE RIVER	5	88	91
LARAMIE RIVER above mouth	13	89	89
NORTH PLATTE	31	86	85

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 85% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

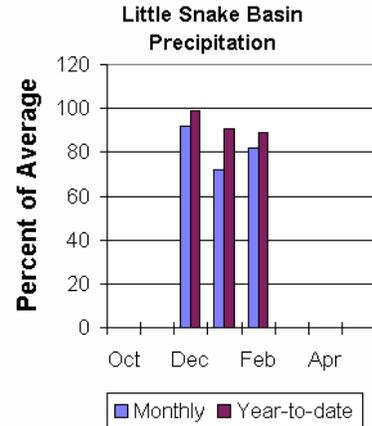
Precipitation across the basin was 82% of average (69% of last year) for the 5 reporting stations. Last month's precipitation ranged from 66-106% of average. The Little Snake River basin water-year-to-date precipitation is currently 89% of average (78% of last year). Year-to-date percentages range from 76-97% of average.

Reservoir

High Savery Dam - Pending

Streamflow

The 50% exceedance forecast for the April through July timeframe 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 240,000 ac-ft (73% of average). See the following table for more detailed information on projected runoff.



LITTLE SNAKE RIVER BASIN

Streamflow Forecasts - March 1, 2010

```

=====
<=== 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)
=====
Little Snake River nr Slater
APR-JUL      81    103    120    76    138    166    159
Little Snake River nr Dixon
APR-JUL      142   197    240    73    285    365    330
=====

```

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

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

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

```

=====
LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2010
=====

```

```

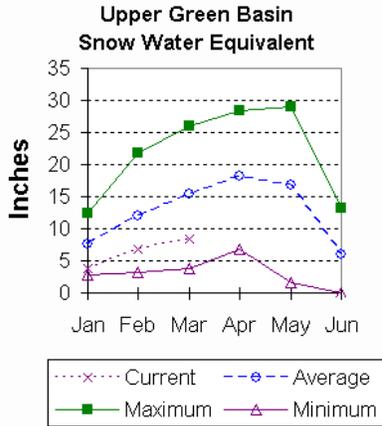
=====
Watershed           Number of           This Year as Percent of
                    Data Sites         Last Year           Average
=====
LITTLE SNAKE RIVER           8                   74                   85
=====

```

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 43% of average. SWE for the West Side of Upper Green River Basin is about 60% of average. Newfork River Basin SWE is now about 51% of average. Big Sandy-Eden Valley Basin is 47% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 55% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



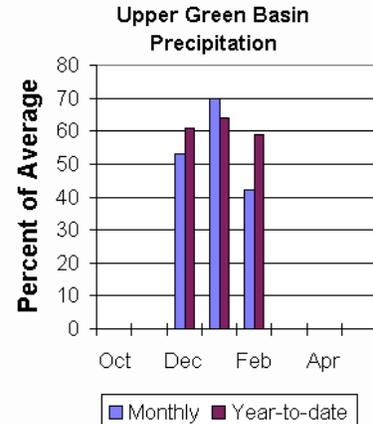
Precipitation

The 11 reporting precipitation sites in the basin were 42% of average last month (58% of last year). Last month's precipitation varied from 29-62% of average. Water year-to-date precipitation is about 59% of average (59% of last year). Year to date percentage of average ranges from 49-72% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 19,300 ac-ft or 50% of capacity. This is 101% of average.

Eden Reservoir - No Report. Fontenelle Reservoir is 124,600 ac-ft or 36% of capacity; 80% of average. This is 82% 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 150,000 ac-ft (57% of average). Pine Creek above Fremont Lake is 68,000 ac-ft (65% of average). New Fork River near Big Piney is 215,000 ac-ft (54% of average). Fontenelle Reservoir Inflow is estimated to be 415,000 ac-ft (48% of average), and Big Sandy near Farson is expected to be around 35,000 ac-ft (60% of average). See the following table for more detailed information on projected runoff.

UPPER GREEN RIVER BASIN

Streamflow Forecasts - March 1, 2010

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt  |=====| Chance of Exceeding * |=====|
Forecast     | 90%   70%   | 50%   | 30%   10%   | 30 Yr Avg
Period       |(1000AF) (1000AF)| (1000AF) (% AVG.) | (1000AF) (1000AF)| (1000AF)
=====
Green River at Warren Bridge
  APR-JUL    111  134      150   57   167   195   265
Pine Creek abv Fremont Lake
  APR-JUL     55   63      68    65    74    82   104
New Fork River nr Big Piney
  APR-JUL    138  182     215   54   250   310   395
Fontenelle Reservoir Inflow
  APR-JUL    230  335     415   48   505   650   860
Big Sandy River nr Farson
  APR-JUL     24   30      35    60    40    49    58
=====

```

```

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

```

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

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
=====
Reservoir
BIG SANDY          38.3          19.3          13.1          19.1
EDEN                NO REPORT
FONTENELLE        344.8         124.6          123.5         156.1
=====

```

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

```

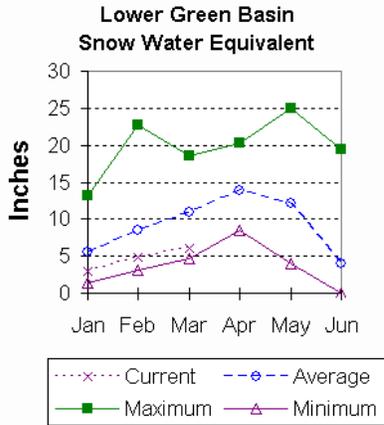
=====
Number of This Year as Percent of
Data Sites Last Year Average
=====
Watershed
GREEN above Warren Bridge      4      50      43
UPPER GREEN (West Side)       7      67      60
NEWFORK RIVER                  3      57      51
BIG SANDY/EDEN VALLEY         2      74      47
GREEN above Fontenelle        14     62      55
=====

```

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 56% of average. SWE in the Hams Fork Basin is 61% of average. Blacks Fork Basin SWE is currently 61% of average. In the Henrys Fork drainage SWE is 75%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

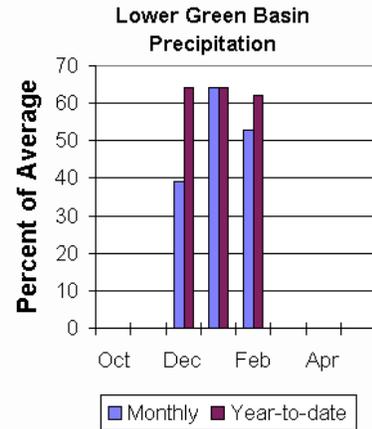


Precipitation

Precipitation was below average for the 3 reporting stations during last month at 53% of average or 61% of last year. Precipitation ranged from 48-65% of average for the month. The basin year-to-date precipitation is currently 62% of average (74% of last year). Year-to-date percentages range from 58-71% of average.

Reservoirs

Fontenelle Reservoir is currently storing 124,600 ac-ft; this is 80% of average (101% of last year). Flaming Gorge is currently storing 3,181,000 ac-ft; this is 109% of average (107% of last year). Viva Naughton - no report. 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 430,000 ac-ft (49% of average). The Blacks Fork near Robertson is forecast to yield 57,000 ac-ft (60% 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 32,000 ac-ft (49% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 42,000 ac-ft (47% of average). The Flaming Gorge Reservoir inflow will be about 515,000 ac-ft (43% of average). See the following table for more detailed information on projected runoff.

LOWER GREEN RIVER BASIN

Streamflow Forecasts - March 1, 2010

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt  ===== Chance of Exceeding * =====
Forecast    90%      70%      |      50%      |      30%      10%      |      30 Yr Avg
Period      (1000AF) (1000AF) | (1000AF) (% AVG.) | (1000AF) (1000AF) | (1000AF)
=====
Green River nr Green River, WY (2)
APR-JUL      245      350      |      430      |      49      520      670      |      875
Blacks Fork nr Robertson
APR-JUL       35       48       |      57      60      |      67      84      |      95
EF of Smiths Fork nr Robertson (2)
APR-JUL     11.1     15.5     |     19.0     |     66      23      29      |     29
Hams Fk blw Pole Ck nr Frontier
APR-JUL     18.1     26      |      32      49      |      39      50      |     65
Hams Fork Inf to Viva Naughton Res
APR-JUL      22      33      |      42      47      |      52      69      |     89
Flaming Gorge Reservoir Inflow (2)
APR-JUL      245     395     |     515     |     43     655     890     |    1190
=====

```

```

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

```

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

```

=====
Reservoir          Usable          ***** Usable Storage *****
                  Capacity      This Year      Last Year      Average
=====
FONTENELLE          344.8          124.6          123.5          156.1
FLAMING GORGE       3749.0          3181.0          2966.0          2919.0
VIVA NAUGHTON RES          NO REPORT
=====

```

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

```

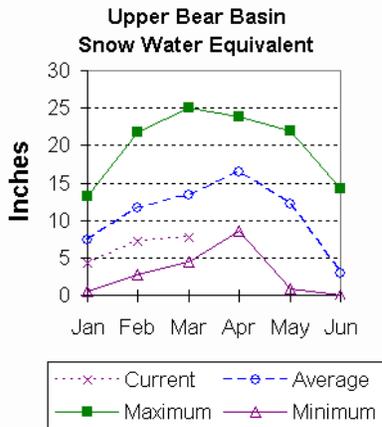
=====
Watershed          Number of          This Year as Percent of
                  Data Sites      Last Year          Average
=====
HAMS FORK RIVER          4              72              61
BLACKS FORK              5              80              61
HENRYS FORK              3             120              75
GREEN above Flaming Gorge 26              68              56
=====

```

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 60% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 63% of average. Bear River Basin SWE, above the Idaho State line, is 58% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

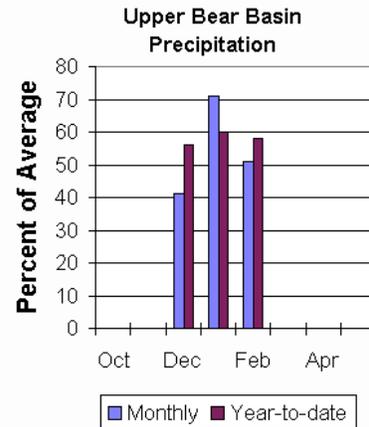
Precipitation for last month was 51% of average for the 2 reporting stations; this is 60% of the precipitation received last year. The year-to-date precipitation, for the basin, is 58% of average; this is 72% of last year's amount.

Reservoir

Storage, in Woodruff Narrows reservoir, is about 48,000 ac-ft (174% of average). Current reservoir storage is about 84% of capacity. Reservoir storage last year at this time was 44,500 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 67,000 ac-ft (54% of average). The Bear River above Reservoir near Woodruff is 70,000 ac-ft (49% of average). The Smiths Fork River near Border is 60,000 ac-ft (50% of average). See the following table for more detailed information on projected runoff.



UPPER BEAR RIVER BASIN

Streamflow Forecasts - March 1, 2010

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt  ===== Chance of Exceeding * =====
Forecast     90%      70%      50%      30%      10%      30 Yr Avg
Period       (1000AF) (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) (1000AF)
=====
Bear River nr UT-WY State Line
APR-JUL      33       52       65       58       78       97       113
APR-SEP      30       52       67       54       82      104       125
Bear River ab Reservoir nr Woodruff
APR-JUL      21       49       68       50       87      115      136
APR-SEP      22       50       70       49       90      118      142
Smiths Fork nr Border
APR-JUL      26       43       55       53       67       84       103
APR-SEP      26       46       60       50       74       94       121
=====

```

```

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

```

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

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
=====
Reservoir
=====
WOODRUFF NARROWS      57.3      48.0      44.5      27.6
=====

```

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

```

=====
Number of This Year as Percent of
Data Sites Last Year Average
=====
Watershed
=====
UPPER BEAR RIVER in Utah      7      64      60
SMITHS & THOMAS FORKS        4      72      63
BEAR RIVER abv ID line       9      65      58
NORTHWEST                    74     64      57
NORTHEAST                    23     65      78
SOUTHEAST                    35     80      83
SOUTHWEST                    35     68      64
=====

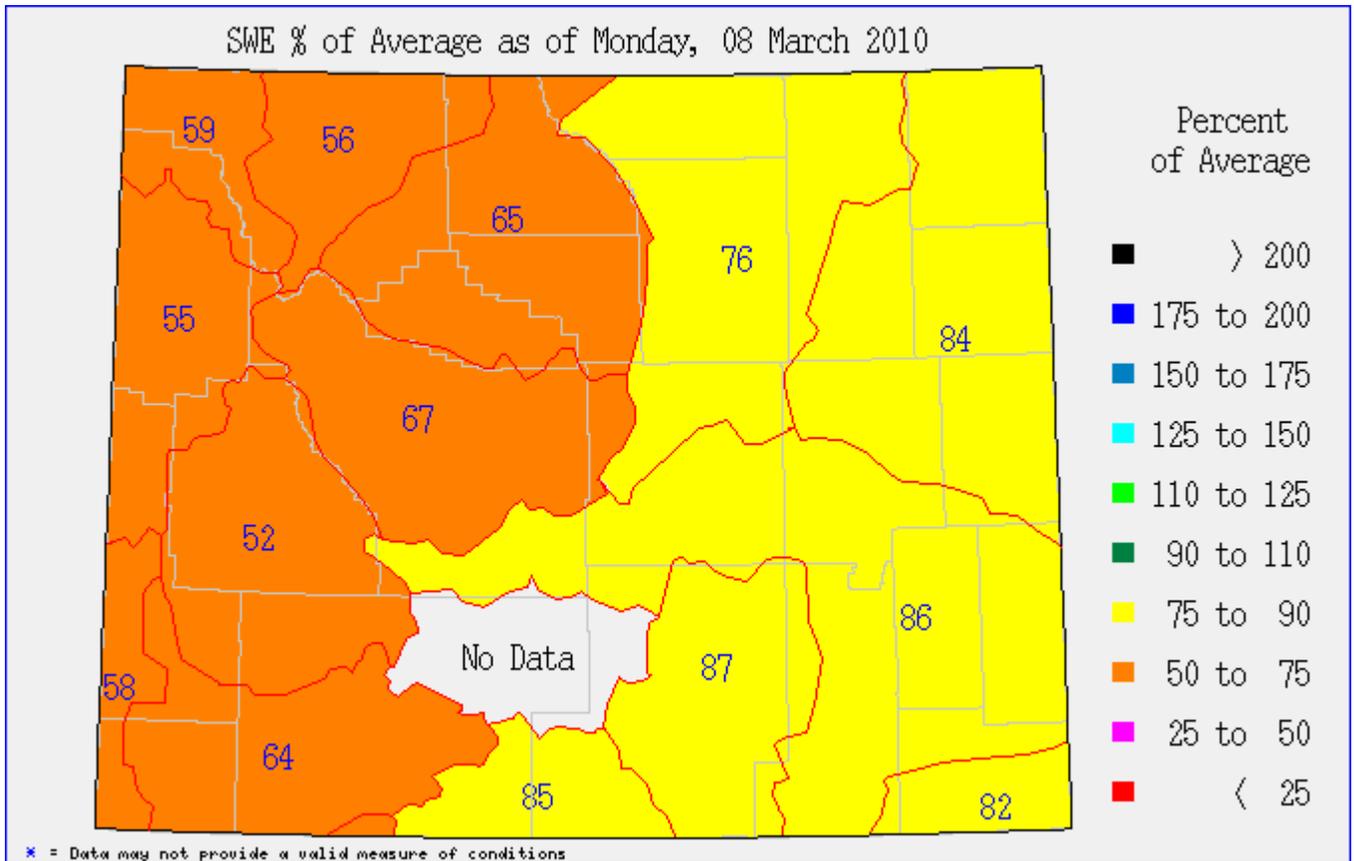
```

Issued by

Dave White (Chief)
U.S. Department of Agriculture
Natural Resources Conservation Service
Washington D.C.

Released by

J Xavier Montoya
State Conservationist
N R C S
Casper, Wyoming



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:

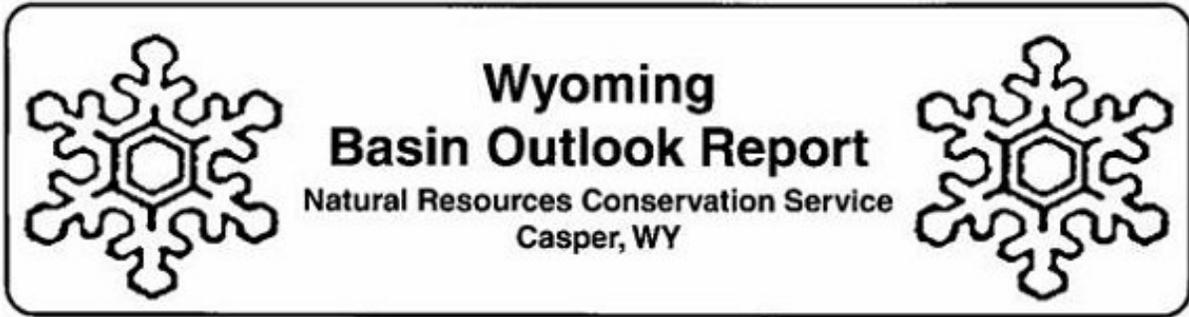
The Wyoming State Engineer's Office

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

«NAME»
«TITLE»
«ADDRESS1»
«ADDRESS2»
«CITY», «STATE» «PostalCode»

«MailingListID»