

Wyoming Basin Outlook Report

April 1, 2012



Gros Ventre Summit SNOTEL (Gros Ventre Mts.)

Basin Outlook Reports

And Federal - State - Private Cooperative Snow Surveys

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How forecasts are made

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

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

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

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Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is well below average for April 1st at 67%. Monthly precipitation for the basins varied from 16-118% of average. Year-to-date precipitation for Wyoming basins varies from 68-116% of average. Forecasted runoff varies from 31-103% of average across the Wyoming basins for an overall average of 75%. Basin reservoir levels for Wyoming vary from 64-181% of average for an overall average of 116%.

Snowpack

Snow water equivalent (SWE), across Wyoming is well below average for this time of year at 67%. SWE in the NW portion of Wyoming is now about 88% of average (76% of last year). NE Wyoming SWE is currently about 88% of average (78% of last year). The SE Wyoming SWE is currently about 57% of average (43% of last year). The SW Wyoming SWE is about 66% of average (54% of last year).

Precipitation

Last month's precipitation was above average across Wyoming. The Upper Yellowstone & Madison River Basins had the highest precipitation for the month at 118% of average. The Lower North Platte River Basin had the lowest precipitation amount at 16% 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	-22%	Upper North Platte River	-69%
Yellowstone & Madison	+18%	Lower North Platte	-84%
Wind River	-54%	Little Snake River	-65%
Bighorn	-53%	Upper Green River	-45%
Shoshone & Clarks Fork	+04%	Lower Green River	-57%
Powder & Tongue River	-64%	Upper Bear River	-63%
Belle Fourche & Cheyenne	-66%		

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 75% (varying from 57-137% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 79% and 98% of average, respectively; 66-107% of average for the various forecast points in the basins. Yields from the Wind and Bighorn River Basins are expected to be about 64% and 60% of average, respectively; varying from 56-100% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 94% and 103% of average, respectively; varying from 93-103% of average. Yields from the Tongue & Powder River Basins are expected to be about 92% and 85% of average, respectively; varying from 85-97% of average. Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 53% and 44% of average, respectively. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 31% and 44% of average, respectively; varying from 21-84% of average. Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 55%,

68%, and 48% of average respectively; yield estimates vary from 48-91% of average.

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 116% of average for the entire state. Reservoirs on the North Platte River are above average at 127%. Reservoirs in the northeast are above average in storage at 117%. Reservoirs in the Wind River Basin are above average at 109%. Reservoirs on the Big Horn are above average at 107%. The Buffalo Bill Reservoir on the Shoshone is above average at 116%. Reservoirs on the Green River are above average at 110%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming

Apr 1, 2012

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	86	85	87	99	101
ANGOSTURA	88	87	90	98	101
BELLE FOURCHE	85	92	73	116	93
BIG SANDY	68	48	54	126	142
BIGHORN LAKE	63	64	60	105	99
BOYSEN	101	93	93	108	108
BUFFALO BILL	70	67	60	116	104
BULL LAKE	62	46	56	110	134
DEERFIELD	100	97	89	113	103
ENNIS LAKE	72	72	76	95	100
FLAMING GORGE	86	84	78	111	102
FONTENELLE	36	40	41	86	90
GLENDO	91	75	84	108	120
Grassy Lake	82	89	81	102	93
GUERNSEY	39	46	45	85	83
HEBGEN LAKE	60	73	69	88	82
Jackson Lake	76	78	57	133	98
KEYHOLE	97	68	59	166	142
PACTOLA	97	96	85	114	101
Palisades	81	60	67	120	136
PATHFINDER	84	83	73	115	101
PILOT BUTTE	79	78	69	114	100
SEMINOE	82	70	49	169	118
SHADEHILL	50	105	78	64	47
TONGUE RIVER	69	73	38	181	95
VIVA NAUGHTON RES	69	69	66	105	100
WHEATLAND #2	87	58	55	159	150
WOODRUFF NARROWS	100	99	57	176	101
TOTAL 28 RESRS	80	75	69	116	106
Raw KAF Tots Current=10572 Last Year=9952 Average=9147 Capacity=13288					

**BASIN SUMMARY OF
SNOTEL and SNOW COURSE DATA**

APRIL 2012

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

WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	3/28/12	25	8.5	19.4	13.7
ASTER CREEK	7750	3/28/12	71	28.2	34.0	30.5
BALD MOUNTAIN SNOTEL	9380	4/01/12	63	20.5	24.0	19.9
BASE CAMP	7030	3/27/12	52	20.1	22.2	20.5
BASE CAMP SNOTEL	7030	4/01/12	---	18.2	22.2	18.1
BATTLE MTN. SNOTEL	7440	4/01/12	8	3.1	11.5	11.0
BEARLODGE DIVIDE	4680	3/29/12	0	.0	3.6	1.3
BEARTOOTH LK. SNOTEL	9280	4/01/12	75	24.7	27.2	23.6
BEAR TRAP SNOTEL	8200	4/01/12	16	4.9	8.8	5.2
BIG GOOSE SNOTEL	7760	4/01/12	23	7.8	8.6	10.7
BIG PARK	8620	3/29/12	47	15.8	26.6	19.4
BIG SANDY SNOTEL	9080	4/01/12	43	13.4	15.7	14.7
BLACKWATER SNOTEL	9780	4/01/12	70	24.6	26.9	24.8
BLIND BULL SNOTEL	8900	4/01/12	65	22.8	33.7	28.3
BONE SPGS. SNOTEL	9350	4/01/12	54	18.8	20.3	16.4
BROOKLYN LK. SNOTEL	10220	4/01/12	43	15.6	32.7	23.9
BURGESS JCT. SNOTEL	7880	4/01/12	34	11.2	10.9	11.7
BURROUGHS CRK SNOTEL	8750	4/01/12	44	13.9	15.8	14.8
CANYON SNOTEL	8090	4/01/12	40	12.4	17.5	13.9
CASPER MTN. SNOTEL	7850	4/01/12	37	15.8	10.9	14.6
CASTLE CREEK SNOTEL	8400	4/01/12	16	5.6	6.8	--
CASTLE CREEK	8400	3/27/12	17	3.0	5.4	4.8
CCC CAMP	7000	3/28/12	23	8.7	17.0	12.7
CHALK CK #1 SNOTEL	9100	4/01/12	40	14.1	32.5	24.9
CHALK CK #2 SNOTEL	8200	4/01/12	35	10.8	21.0	16.2
CINNABAR PARK SNOTEL	9690	4/01/12	31	12.7	25.7	17.9
CLOUD PEAK SNOTEL	9850	4/01/12	41	13.4	16.0	13.5
COLE CANYON SNOTEL	5910	4/01/12	0	.0	8.5	6.9
COLD SPRINGS SNOTEL	9630	4/01/12	19	5.4	8.3	9.0
COTTONWOOD CR SNOTEL	7700	4/01/12	---	18.2	28.7	24.2
CROW CREEK SNOTEL	8830	4/01/12	1	2.7	9.6	9.0
DARBY CANYON	8250	3/27/12	58	20.6	28.8	24.5
DEEP LAKE	10500	3/29/12	76	28.7	--	--
DEER PARK SNOTEL	9700	4/01/12	31	10.7	19.1	17.1
DIVIDE PEAK SNOTEL	8860	4/01/12	27	10.2	24.8	20.0
DOMELAKE SNOTEL	8880	4/01/12	41	12.0	14.2	12.6
DU NOIR	8760	3/27/12	19	4.3	8.4	8.3
EAST RIM DIV SNOTEL	7930	4/01/12	28	9.2	16.2	13.3
ELBO RANCH	7100	4/04/12	25	9.2	14.2	11.6
ELKHART PARK SNOTEL	9400	4/01/12	---	13.9	14.3	13.6
EVENING STAR SNOTEL	9200	4/01/12	82	29.7	33.2	30.1
FOUR MILE MEADOWS	7860	3/27/12	26	9.1	15.6	12.8
FOXPARK	9060	3/28/12	8	2.2	11.4	7.6
GEYSER CREEK	8500	3/27/12	21	5.6	6.3	7.1
GLADE CREEK	7040	3/29/12	60	22.1	27.1	24.3
GRAND TARGHEE SNOTEL	9260	4/01/12	101	37.5	48.8	--
GRANITE CRK SNOTEL	6770	4/01/12	---	13.5	22.9	18.6
GRASSY LAKE	7270	3/29/12	83	33.3	40.2	35.4
GRASSY LAKE SNOTEL	7270	4/01/12	83	32.3	40.4	36.1
GRAVE SPRINGS SNOTEL	8550	4/01/12	22	7.3	9.2	9.4
GROS VENTRE SNOTEL	8750	4/01/12	29	9.1	14.8	14.4
GROVER PARK DIVIDE	7000	3/27/12	18	6.8	13.5	11.2

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
HAIRPIN TURN	9480	3/29/12	30	10.2	22.7	16.3
HANSEN S.M. SNOTEL	8360	4/01/12	4	1.2	7.2	6.5
HAMS FORK SNOTEL	7840	4/01/12	20	7.2	17.4	12.0
HASKINS CREEK	8980	3/28/12	59	22.0	41.2	30.0
HOBACK GS	6640	3/26/12	22	7.9	11.1	--
HOBBS PARK SNOTEL	10100	4/01/12	41	13.2	14.6	15.1
HUCKLEBERRY DIVIDE	7300	3/28/12	53	19.6	23.9	21.3
INDIAN CREEK SNOTEL	9430	4/01/12	---	19.7	32.3	28.2
JACKPINE CREEK	7350	3/27/12	60	22.0	26.2	22.2
KELLEY R.S. SNOTEL	8180	4/01/12	37	12.7	21.5	17.1
KENDALL R.S. SNOTEL	7740	4/01/12	34	12.5	14.2	14.6
KIRWIN SNOTEL	9550	4/01/12	40	11.9	11.9	11.5
LA PRELE SNOTEL	8380	4/01/12	17	6.2	13.1	11.0
LARSEN CREEK SNOTEL	9020	4/01/12	22	9.6	15.9	--
LEWIS LAKE DIVIDE	7850	3/28/12	96	40.5	49.6	42.4
LEWIS LAKE SNOTEL	7850	4/01/12	84	33.0	41.6	35.8
LIBBY LODGE	8750	3/29/12	21	7.1	16.1	10.9
LITTLE GOOSE SNOTEL	8870	4/01/12	21	7.6	9.7	--
LITTLE WARM SNOTEL	9370	4/01/12	30	7.9	12.7	12.0
LOOMIS PARK SNOTEL	8240	4/01/12	---	12.6	21.6	17.5
LUPINE CREEK	7380	3/29/12	12	4.1	10.2	9.3
MARQUETTE SNOTEL	8760	4/01/12	22	7.9	3.1	9.0
MEDICINE LODGE LAKES	9340	3/28/12	48	13.1	15.1	11.1
MIDDLE FORK	7420	3/26/12	15	4.6	5.4	6.0
MIDDLE POWDER SNOTEL	7760	4/01/12	28	9.4	10.9	11.8
MORAN	6750	3/29/12	27	10.0	12.8	12.4
MOSS LAKE	9800	3/29/12	35	13.1	34.4	23.6
NEW FORK SNOTEL	8340	4/01/12	27	10.0	13.3	11.3
NORRIS BASIN	7500	3/28/12	24	8.3	10.9	10.8
NORTH BARRETT CREEK	9400	3/29/12	39	12.0	33.0	21.5
NORTH FRENCH SNOTEL	10130	4/01/12	48	17.7	48.2	29.5
NORTH TONGUE	8450	3/29/12	43	13.1	13.0	13.0
OLD BATTLE SNOTEL	9920	4/01/12	65	22.4	43.7	32.4
OLD FAITHFUL	7400	3/26/12	36	11.9	18.3	13.9
ONION GULCH	8780	3/27/12	34	9.5	8.1	8.3
OWL CREEK SNOTEL	8980	4/01/12	5	1.2	5.8	5.6
PARKERS PEAK SNOTEL	9400	4/01/12	68	23.9	29.8	21.9
PHILLIPS BNCH SNOTEL	8200	4/01/12	63	24.2	33.6	29.2
POCKET CREEK SNOTEL	9350	4/01/12	45	10.1	12.8	--
POLE MOUNTAIN	8700	3/30/12	22	5.5	11.7	8.4
POWDER RVR.PASS SNTL	9480	4/01/12	29	10.5	15.0	10.9
PURGATORY GULCH	8970	3/28/12	24	6.4	15.6	11.8
RANGER CREEK	8120	3/28/12	34	9.9	10.8	8.9
RENO HILL SNOTEL	8500	4/01/12	39	13.6	14.2	14.3
REUTER CANYON	6280	3/29/12	0	.0	12.1	8.6
ROWDY CREEK	8300	3/26/12	47	17.0	23.6	21.6
RYAN PARK	8400	3/29/12	10	2.6	17.6	10.8
SAGE CK BASIN SNTL	7850	4/01/12	14	3.5	21.6	11.6
SALT RIVER SNOTEL	7600	4/01/12	30	9.4	18.0	14.6
SAND LAKE SNOTEL	10050	4/01/12	65	22.7	42.3	32.7
SANDSTONE RS SNOTEL	8150	4/01/12	15	4.9	18.3	14.8
SAWMILL DIVIDE	9260	3/26/12	48	15.2	13.8	13.0
SHELL CREEK SNOTEL	9580	4/01/12	61	18.0	18.2	14.9
SHERIDAN R.S.	7750	3/27/12	11	2.2	5.8	5.8
SNAKE RIVER STATION	6920	3/28/12	50	18.2	22.2	20.9
SNAKE RV STA SNOTEL	6920	4/01/12	45	15.7	21.5	19.2
SNIDER BASIN SNOTEL	8060	4/01/12	32	11.6	21.4	14.7

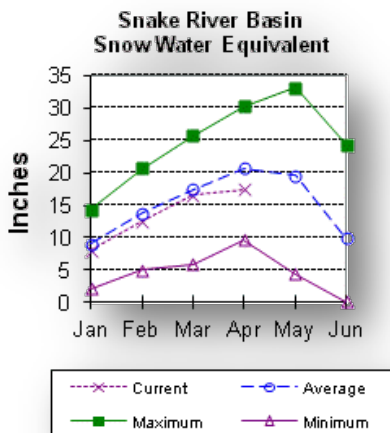
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SOLDIER PARK SNOTEL	8780	4/01/12	27	8.9	8.2	--
SOUTH BRUSH SNOTEL	8440	4/01/12	6	2.4	19.0	13.2
SOUTH PASS SNOTEL	9040	4/01/12	42	12.8	17.5	16.7
SPRING CRK. SNOTEL	9000	4/01/12	68	22.8	36.5	26.9
ST LAWRENCE ALT SNTL	8620	4/01/12	0	.0	4.9	7.4
SUCKER CREEK SNOTEL	8880	4/01/12	38	11.4	13.6	11.8
SYLVAN LAKE SNOTEL	8420	4/01/12	51	18.3	25.2	22.8
SYLVAN ROAD SNOTEL	7120	4/01/12	24	8.7	16.4	12.9
T CROSS RANCH	7900	3/28/12	16	4.6	6.6	7.2
TETON PASS W.S.	7740	4/03/12	56	24.8	29.8	27.6
THUMB DIVIDE	7980	3/28/12	44	14.9	19.4	19.1
THUMB DIVIDE SNOTEL	7980	4/01/12	48	17.0	22.6	19.2
TIE CREEK SNOTEL	6870	4/01/12	0	.0	6.9	6.1
TIMBER CREEK SNOTEL	7950	4/01/12	0	.0	4.3	5.8
TOGWOTEE PASS	9580	3/27/12	66	22.6	32.0	29.2
TOGWOTEE PASS SNOTEL	9580	4/01/12	65	21.8	29.5	25.2
TOWNSEND CRK SNOTEL	8700	4/01/12	23	6.5	8.8	8.8
TRIPLE PEAK SNOTEL	8500	4/01/12	53	20.2	34.2	25.2
TURPIN MEADOWS	6900	3/27/12	26	9.0	13.8	10.2
TWO OCEAN SNOTEL	9240	4/01/12	85	33.3	36.6	28.4
TYRELL RANGER STA.	8300	3/27/12	30	9.2	8.9	7.6
WEBBER SPRING SNOTEL	9250	4/01/12	34	14.2	31.9	26.4
WHISKEY PARK SNOTEL	8950	4/01/12	40	16.8	37.5	30.4
WILLOW CREEK SNOTEL	8450	4/01/12	62	24.2	37.4	30.6
WINDY PEAK SNOTEL	7900	4/01/12	12	4.4	10.6	8.1
WOLVERINE SNOTEL	7650	4/01/12	19	9.0	15.4	11.6
WOOD ROCK G.S.	8440	3/26/12	35	10.5	9.4	10.2
YOUNTS PEAK SNOTEL	8350	4/01/12	45	16.0	18.1	17.3

NOTE: Missing snow depth entries indicate the site has no snow depth sensor or the sensor is malfunctioning. Missing data under Average 71-00 indicates the site is relatively new.

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is 84% of average. SWE in the Snake River Basin above Jackson Lake is 93% of average. Pacific Creek Basin SWE is 104% of average. Gros Ventre River Basin SWE is 79% of average. SWE in the Hoback River drainage is 73% of average. SWE in the Greys River drainage is 80% of average. In the Salt River area SWE is 72% of average. SWE in the Snake River Basin above Palisades is 84% 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

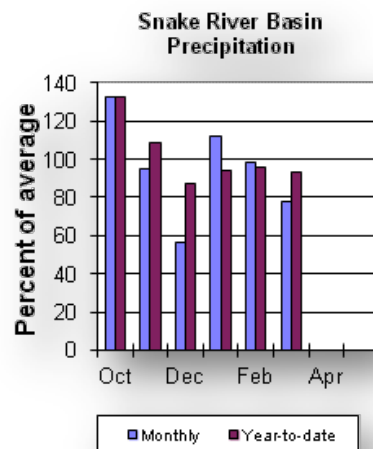
Precipitation across the basin was below average last month. Monthly precipitation for the basin was 78% of average (48% of last year). Last month's percentages range from 31-138% of average for the 16 reporting stations. Water-year-to-date precipitation is 93% of average for the Snake River Basin (80% of last year). Year-to-date percentages range from 62-112% of average.

Reservoir

Current reservoir storage is 124% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 102% of average (12,500 ac-ft compared to 13,500 last year). Jackson Lake storage is 133% of average (647,200 ac-ft compared to 659,500 ac-ft last year). Palisades Reservoir storage is about 120% of average (1,132,700 ac-ft compared to 833,600 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 905,000 ac-ft (100% of average). Snake River above reservoir near Alpine is 2,230,000 ac-ft (82% of average). The Snake near Irwin is 3,060,000 ac-ft (79% of average). The Snake near Heise is 3,290,000 ac-ft (79% of average). Pacific Creek near Moran is 190,000 ac-ft (107% of average). Buffalo Fork above Lava near Moran is 345,000 ac-ft (100% of average). Gros Ventre River at Kelly is 245,000 ac-ft (100% of average). Greys River above Palisades Reservoir is 310,000 ac-ft (79% of average). Salt River near Etna is 275,000 ac-ft (66% of average). See the following page for detailed runoff volumes.



Snake River Basin

Streamflow Forecasts - April 1, 2012

Forecast Pt Forecast Period	Future Conditions					30 Yr Avg (1000AF)	
	<=== Drier ===> 90% (1000AF)	<=== Drier ===> 70% (1000AF)	Chance of Exceeding * 50% (1000AF) (% AVG.)	>=== Wetter >>> 30% (1000AF)	>=== Wetter >>> 10% (1000AF)		
Snake R nr Moran (1,2)							
APR-JUL	680	775	820	101	865	960	815
APR-SEP	740	855	905	100	955	1070	905
Snake R nr Alpine (1,2)							
APR-JUL	1620	1840	1940	82	2040	2260	2370
APR-SEP	1820	2100	2230	82	2360	2640	2730
Snake R nr Irwin (1,2)							
APR-JUL	2180	2500	2650	80	2800	3120	3330
APR-SEP	2520	2890	3060	79	3230	3600	3870
Snake R nr Heise (2)							
APR-JUL	2820	2830	2830	80	2830	2840	3560
APR-SEP	2820	3100	3290	79	3480	3760	4160
Pacific Ck At Moran							
APR-JUL	141	165	182	106	199	225	171
APR-SEP	148	173	190	107	205	230	178
Buffalo Fork ab Lava nr Moran							
APR-JUL	250	280	300	100	320	350	301
APR-SEP	285	320	345	100	370	405	344
Gros Ventre R at Kelly							
APR-JUL	134	173	200	100	225	265	200
APR-SEP	175	215	245	100	275	315	244
Greys R Nr Alpine							
APR-JUL	215	245	265	78	285	315	340
APR-SEP	250	285	310	79	335	370	395
Salt R Nr Etna							
APR-JUL	123	184	225	66	265	325	340
APR-SEP	145	220	275	66	330	405	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 March

Reservoir	Usable Capacity	***** Usable Storage *****		
		This Year	Last Year	Average
Grassy Lake	15.2	12.5	13.5	12.3
Jackson Lake	847.0	647.2	659.5	486.6
Palisades	1400.0	1132.7	833.6	941.5

SNAKE RIVER BASIN

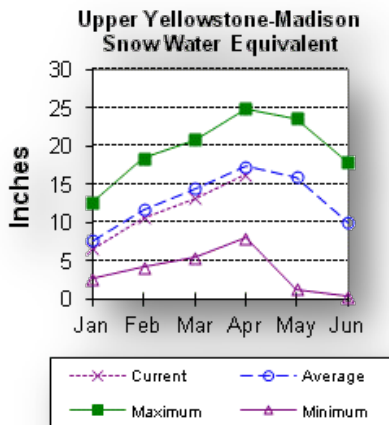
Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of Data Sites	This Year as Percent of	
		Last Year	Average
SNAKE above Jackson Lake	9	81	93
PACIFIC CREEK	3	86	104
GROS VENTRE RIVER	4	68	79
HOBACK RIVER	5	62	73
GREYS RIVER	4	65	80
SALT RIVER	5	59	72
SNAKE above Palisades	28	71	84

Yellowstone & Madison River Basins

Snow

Snow water equivalent (SWE) is at 93% of average in the Madison drainage. SWE in the Yellowstone drainage is at 94% 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 118% of average (69% of last year). The 5 reporting stations percentages range from 87-148% of average. Water-year-to-date precipitation is about 109% of average (88% of last year's amount). Year to date percentage ranges from 95-141%.

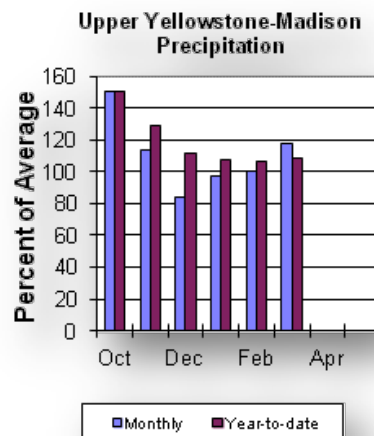
Reservoir

Ennis Lake is storing about 29,600 ac-ft of water (72% of capacity, 95% of average or 100%

of last year's volume). Hebgen Lake is storing about 227,800 ac-ft of water (60% of capacity, 88% of average or 82% 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 near average for the basins. Yellowstone at Lake Outlet is 780,000 ac-ft (97% of average). Yellowstone at Corwin Springs will yield around 1,950,000 ac-ft (99% of average). Yellowstone near Livingston will yield around 2,230,000 ac-ft (98% of average). Hebgen Reservoir inflow is 485,000 ac-ft (96% of average). See the following page for detailed runoff volumes.



Yellowstone & Madison River Basins

Streamflow Forecasts - April 1, 2012

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg
Forecast Period	90%	70%	50%	30%	10%	1000AF	(1000AF)
Forecast Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
Yellowstone R at Yellowstone Lake							
APR-JUL	500	555	595	101	635	690	590
APR-SEP	655	730	780	97	830	905	805
Yellowstone R at Corwin Springs							
APR-JUL	1390	1560	1670	101	1780	1950	1650
APR-SEP	1600	1810	1950	99	2090	2300	1970
Yellowstone R at Livingston							
APR-JUL	1550	1760	1910	101	2060	2270	1900
APR-SEP	1800	2060	2230	98	2400	2660	2280
Hebgen Reservoir Inflow (2)							
APR-JUL	330	360	380	96	400	430	395
APR-SEP	425	460	485	96	510	545	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 March

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
ENNIS LAKE	41.0	29.6	29.6	31.2
HEBGEN LAKE	377.5	227.8	276.8	259.6

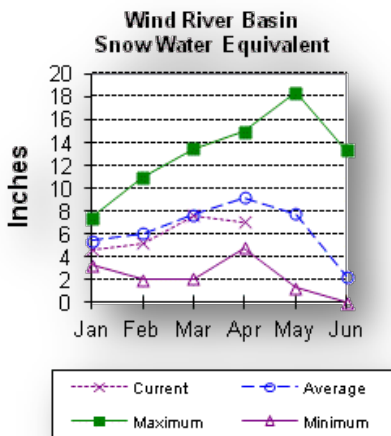
UPPER YELLOWSTONE & MADISON RIVER BASINS Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	77	93
YELLOWSTONE RIVER in WY	10	77	94

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 77% of average for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 78% of average. The Little Wind SWE is 59% of average, and the Popo Agie drainage SWE is about 75% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation in the basin varied from 21-81% of average.

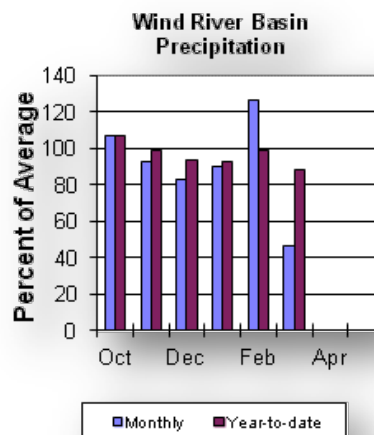
Precipitation, for the basin, was about 45% of average from the 8 reporting stations; that is about 47% of last year's amount. Water year-to-date precipitation is 88% of average and about 90% of last year at this time. Year-to-date percentages range from 72-101% of average.

Reservoirs

Current storage varies from 108-114% of average. Current storage in Bull Lake is about 94,000 ac-ft (110% of average) - the reservoir is at 134% of last year. Boysen Reservoir is storing about 108% of average (599,300 ac-ft) - the reservoir is about 108% of last year. Pilot Butte is at 114% of average (24,900 ac-ft) - the reservoir is at 100% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the April through September runoff period for the basin are well below average. Dinwoody Creek near Burris is 85,000 ac-ft (90% of average). The Wind River above Bull Lake Creek is 425,000 ac-ft (79% of average). Bull Lake Creek near Lenore is 141,000 ac-ft (78% of average). Wind River at Riverton will yield around 465,000 ac-ft (73% of average). Little Popo Agie River near Lander is around 34,000 ac-ft (64% 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 175,000 ac-ft (56% of average). Boysen Reservoir inflow will yield around 515,000 ac-ft (64% of average). See the following page for detailed runoff volumes.



Wind River Basin

Streamflow Forecasts - April 1, 2012

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
Dinwoody Ck nr Burris							
APR-JUL	50	56	60	90	64	70	67
APR-SEP	72	80	85	90	90	98	94
Wind R ab Bull Lake Ck (2)							
APR-JUL	250	310	345	79	385	440	435
APR-SEP	310	380	425	79	470	540	535
Bull Lake Ck nr Lenore							
APR-JUL	79	100	115	78	130	151	148
APR-SEP	95	122	141	78	160	187	182
Wind R at Riverton (2)							
APR-JUL	270	350	400	73	450	530	545
APR-SEP	305	400	465	73	530	625	640
Little Popo Agie R nr Lander							
APR-JUL	14.5	23	29	63	35	44	46
APR-SEP	18.4	28	34	64	40	50	53
SF Little Wind R nr Fort Washakie							
APR-JUL	34	45	53	73	61	72	73
APR-SEP	37	51	60	71	69	83	84
Little Wind R nr Riverton							
APR-JUL	62	104	157	56	210	285	280
APR-SEP	70	116	175	56	235	320	315
Boysen Reservoir Inflow (2)							
APR-JUL	129	330	465	65	600	800	717
APR-SEP	144	365	515	64	665	885	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 March

Reservoir	Usable	***** Usable Storage *****		Average
	Capacity	This Year	Last Year	
BULL LAKE	151.8	94.0	70.2	85.3
BOYSEN	596.0	599.3	555.3	552.8
PILOT BUTTE	31.6	24.9	24.8	21.9

WIND RIVER BASIN

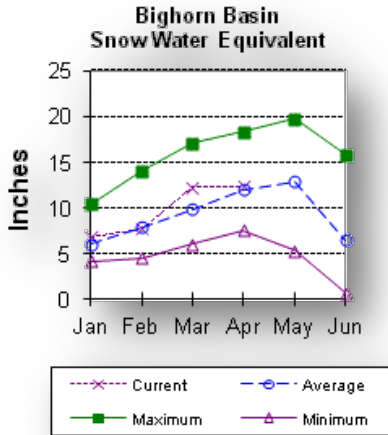
Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of	This Year as Percent of	
	Data Sites	Last Year	Average
WIND RIVER above Dubios	8	72	78
LITTLE WIND	2	68	59
POPO AGIE	5	73	75
WIND above Boysen Resv	13	74	77

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 103% of average. The Nowood River is at 104% of average. The Greybull River SWE is at 69% of average. Shell Creek SWE is 112% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation was 47% of average (41% of last year). Sites ranged from 22-75% of average for the month. Year-to-date precipitation is 107% of average; that is 98% of last year at this time. Year-to-date percentages, from the 10 reporting stations, range from 85-125%.

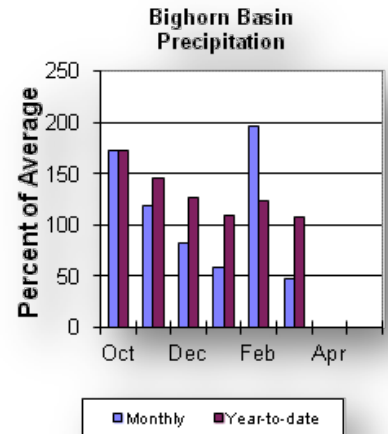
Reservoir

Boysen Reservoir is currently storing 599,300 ac-ft (108% of average). Bighorn Lake is now at 854,400 ac-ft (105% of average). Boysen is currently storing 108% of last year

volume at this time and Big Horn Lake is storing 99% 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 slightly above average. Boysen Reservoir inflow should yield 515,000 ac-ft (64% of average); the Greybull River near Meeteetse should yield around 120,000 ac-ft (60% of average); Shell Creek near Shell should yield around 72,000 ac-ft (100% of average) and the Bighorn River at Kane should yield around 665,000 ac-ft (60% of average). See the following page for detailed runoff volumes.



Bighorn River Basin

Streamflow Forecasts - April 1, 2012

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						
Forecast	Chance of Exceeding *						30 Yr Avg
Period	90%	70%	50%	30%	10%		(1000AF)
	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
Boysen Reservoir Inflow (2)							
APR-JUL	129	330	465	65	600	800	717
APR-SEP	144	365	515	64	665	885	809
Greybull R nr Meeteetse							
APR-JUL	46	72	90	61	108	134	148
APR-SEP	66	98	120	60	142	174	200
Shell Ck nr Shell							
APR-JUL	47	55	61	102	67	75	60
APR-SEP	56	65	72	100	79	88	72
Bighorn R at Kane (2)							
APR-JUL	117	425	635	64	845	1150	1000
APR-SEP	94	435	665	60	895	1240	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.

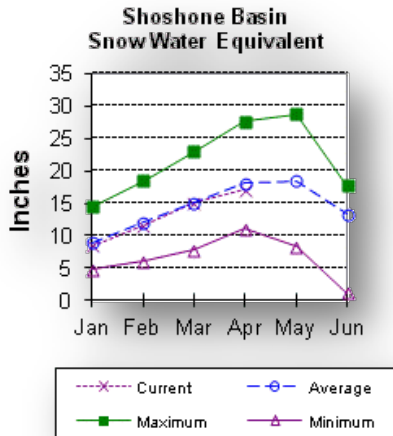
BIGHORN RIVER BASIN				
Reservoir Storage (1000AF) End of March				
Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
BOYSEN	596.0	599.3	555.3	552.8
BIGHORN LAKE	1356.0	854.4	864.7	809.9

BIGHORN RIVER BASIN			
Watershed Snowpack Analysis - April 1, 2012			
Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	89	104
GREYBULL RIVER	2	73	69
SHELL CREEK	4	92	112
BIGHORN (Boysen-Bighorn)	11	89	103

Shoshone & Clarks Fork River Basins

Snow

Snowpack in these basins is near average for this time of year. Snow Water Equivalent (SWE) is 90% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 98% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Precipitation for last month was 103% of average (61% of last year). Monthly percentages range from 30-151% of average. The basin year-to-date precipitation is now 116% of average (94% of last year). Year-to-date percentages range from 96-141% of average for the 8 reporting stations.

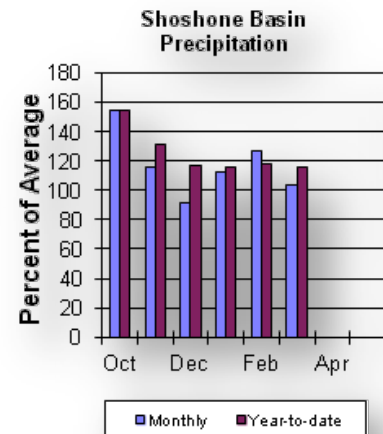
Reservoir

Current storage in Buffalo Bill Reservoir is about 116% of average (104% of last year's storage) - the reservoir is at

about 70% of capacity. Currently, about 451,600 ac-ft are stored in the reservoir compared to 433,300 ac-ft last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be slightly below average for the basin. The North Fork Shoshone River at Wapiti is 525,000 ac-ft (101% of average). The South Fork of the Shoshone River near Valley is 250,000 ac-ft (94% of average), and the South Fork above Buffalo Bill Reservoir runoff is 210,000 ac-ft (93% of average). The Buffalo Bill Reservoir inflow is expected to yield around 760,000 ac-ft (94% of average). The Clarks Fork of the Yellowstone near Belfry is expected to yield 610,000 ac-ft (103% of average). See the following page for detailed runoff volumes.



Shoshone & Clarks Fork River Basins

Streamflow Forecasts - April 1, 2012

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)	
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
=====							
NF Shoshone R at Wapiti							
APR-JUL	395	440	470	102	500	545	460
APR-SEP	435	490	525	101	560	615	520
SF Shoshone R nr Valley							
APR-JUL	183	205	220	98	235	255	225
APR-SEP	205	230	250	94	270	295	265
SF Shoshone R ab Buffalo Bill Res							
APR-JUL	147	185	210	98	235	275	215
APR-SEP	142	182	210	93	240	280	225
Buffalo Bill Reservoir Inflow (2)							
APR-JUL	570	650	705	98	760	840	720
APR-SEP	600	695	760	94	825	920	805
Clarks Fk Yellowstone R nr Belfry							
APR-JUL	475	525	560	104	595	645	540
APR-SEP	515	570	610	103	650	705	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.

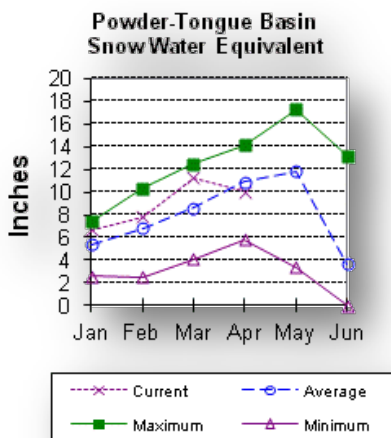
SHOSHONE & CLARKS FORK RIVER BASINS				
Reservoir Storage (1000AF) End of March				
Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
BUFFALO BILL	646.6	451.6	433.3	390.9

SHOSHONE & CLARKS FORK RIVER BASINS			
Watershed Snowpack Analysis - April 1, 2012			
Watershed	Number of Data Sites	This Year as Percent of Last Year	Percent of Average
SHOSHONE RIVER	6	86	90
CLARKS FORK in WY	7	80	98

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 98% of average. The Goose Creek drainage is 96% of average. SWE in the Clear Creek drainage is 73% of average. Crazy Woman Creek drainage is



104% of average. Upper Powder River drainage SWE is 95% of average. Powder River Basin SWE in Wyoming is 87% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

Precipitation

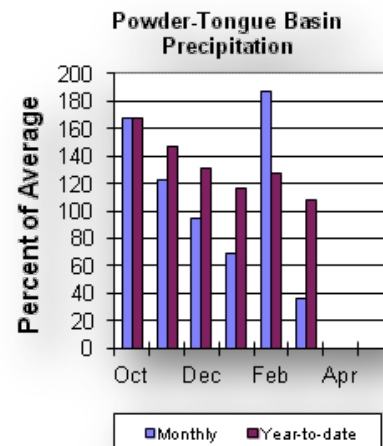
Last month's precipitation was 36% of average for the 9 reporting stations (34% of last year). Monthly percentages range from 20-75% of average. Year-to-date precipitation is 108% of average in the basin; this is 99% of last year at this time. Precipitation for the year ranges from 85-121% of average.

Reservoir

The Tongue River Reservoir currently is storing 181% of average (54,600 ac-ft) compared to 95% of last year's storage.

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 106,000 ac-ft (97% of average). Big Goose Creek near Sheridan is 55,000 ac-ft (92% of average). Little Goose Creek near Bighorn is 40,000 ac-ft (95% of average). The Tongue River Reservoir Inflow is 230,000 ac-ft (92% of average). The Middle Fork of the Powder River near Barnum is 16,300 ac-ft (87% of average). The North Fork of the Powder River near Hazelton should yield around 10,000 ac-ft (96% of average). Rock Creek near Buffalo will yield about 22,000 ac-ft (92% of average), and Piney Creek at Kearny should yield about 49,000 ac-ft (94% of average). The Powder River at Moorehead is 197,000 ac-ft (86% of average). The Powder River near Locate is 220,000 ac-ft (85% of average). See the following page for detailed runoff volumes.



Powder & Tongue River Basins

Streamflow Forecasts - April 1, 2012

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg
Forecast	Chance of Exceeding *						(1000AF)
Period	90%	70%	50%	30%	10%	(1000AF)	(1000AF)
	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
Tongue R nr Dayton (2)							
APR-JUL	66	82	93	97	104	120	96
APR-SEP	76	94	106	97	118	136	109
Big Goose Ck nr Sheridan							
APR-JUL	31	41	47	90	53	63	52
APR-SEP	39	48	55	92	62	71	60
Little Goose Ck nr Bighorn							
APR-JUL	22	28	32	94	36	42	34
APR-SEP	29	36	40	95	44	51	42
Tongue River Reservoir Inflow (2)							
APR-JUL	106	165	205	93	245	305	220
APR-SEP	125	188	230	92	270	335	250
MF Powder R nr Barnum							
APR-JUL	9.8	13.2	15.5	87	17.8	21	17.8
APR-SEP	10.5	13.9	16.3	87	18.7	22	18.7
NF Powder R nr Hazelton							
APR-JUL	6.9	8.3	9.3	97	10.3	11.7	9.6
APR-SEP	7.4	8.9	10.0	96	11.1	12.6	10.4
Rock Ck nr Buffalo							
APR-JUL	11.1	15.4	18.3	92	21	26	19.9
APR-SEP	14.4	18.9	22	92	25	30	24
Piney Ck at Kearny							
APR-JUL	25	37	45	92	53	65	49
APR-SEP	28	41	49	94	57	70	52
Powder R at Moorhead							
APR-JUL	60	128	175	85	220	290	205
APR-SEP	78	149	197	86	245	315	230
Powder R nr Locate							
APR-JUL	60	142	198	84	255	335	235
APR-SEP	72	160	220	85	280	370	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.

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

Reservoir	Usable Capacity	***** This Year *****	***** Usable Storage Last Year *****	***** Average *****
TONGUE RIVER	79.1	54.6	57.6	30.1

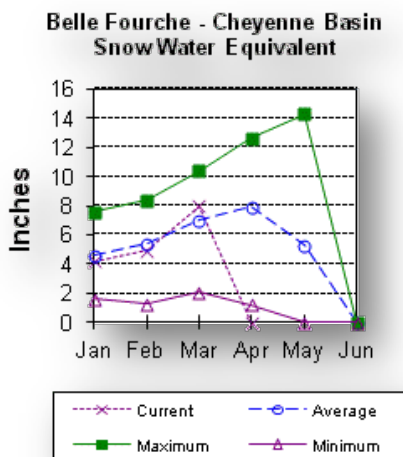
POWDER & TONGUE RIVER BASINS Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	92	98
GOOSE CREEK	3	92	96
CLEAR CREEK	2	75	73
CRAZY WOMAN CREEK	2	87	104
UPPER POWDER RIVER	4	80	95
POWDER RIVER in WY	6	78	87

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche & Cheyenne River Basins are melted out so the SWE is 0% of average at this time. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 34% of average or 26% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 33-36%. Year-to-date precipitation is 96% of average and 61% of last year's amount. Yearly percentages range from 93-103% of average.

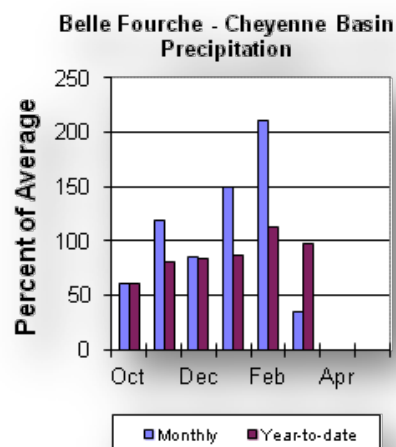
Reservoir

Current reservoir storage is about 117% of average in the basin. Angostura is currently storing 98% of average

(107,700 ac-ft), about 88% of capacity. Belle Fourche reservoir is storing 116% of average (152,300 ac-ft), about 85% of capacity. Deerfield reservoir is storing 113% of average (15,200 ac-ft), about 100% of capacity. Keyhole reservoir is storing 166% of average (187,900 ac-ft), about 97% of capacity. Pactola reservoir is storing 114% of average (53,300 ac-ft), about 97% of capacity. Shadehill reservoir is storing 64% of average (40,500 ac-ft), about 50% 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 Apr through July period. The Deerfield Reservoir Inflow is expected to be 2,700 ac-ft (53% of average). Pactola Reservoir Inflow is expected to yield around 10,200 ac-ft (44% of average). See the following page for detailed runoff volumes.



Belle Fourche & Cheyenne River Basins

Streamflow Forecasts - April 1, 2012

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=====
<=== 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 (2)
APR-JUL 1.1 1.5 2.7 53 3.9 5.7 5.1

Pactola Reservoir Inflow (2)
APR-JUL 3.4 5.4 10.2 44 17.0 27 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 March

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
=====
Reservoir
ANGOSTURA 122.1 107.7 106.5 110.1
BELLE FOURCHE 178.4 152.3 164.0 130.9
DEERFIELD 15.2 15.2 14.7 13.5
KEYHOLE 193.8 187.9 132.4 113.5
PACTOLA 55.0 53.3 52.9 46.8
SHADEHILL 81.4 40.5 85.5 63.1
=====
    
```

BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - April 1, 2012

```

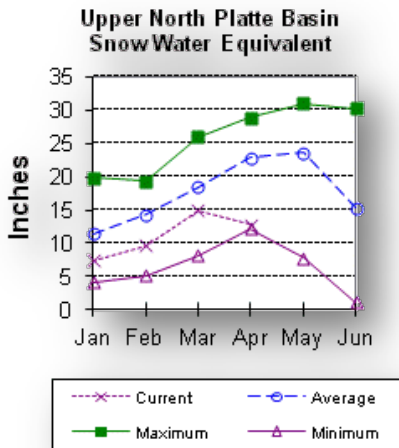
=====
Number of This Year as Percent of
Data Sites Last Year Average
=====
Watershed
BELLE FOURCHE 4 0 0
=====
    
```

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 56% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 55% of average at this time. SWE in the Encampment River drainage is about 59% of average. Brush Creek SWE for the year is about 48% of average. Medicine Bow and Rock Creek drainages SWE are

about 64% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

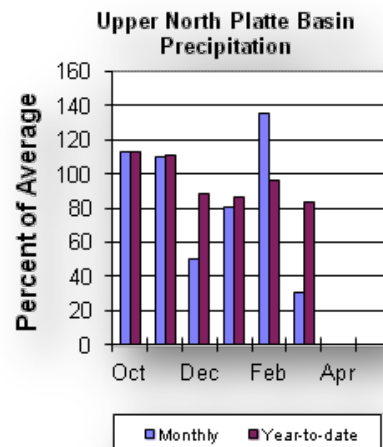
Eight reporting stations show last month's precipitation at 31% of average or 20% of last year's amount. Precipitation varied from 20-46% of average last month. Total water-year-to-date precipitation is about 83% of average for the basin, which is about 57% of last year's amount. Year to date percentage ranges from 71-114% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 838,700 ac-ft or 82% of capacity. Seminoe Reservoir is also storing about 169% of average for this time of the year and 118% 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 well below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 57,000 ac-ft (21% of average). The Encampment River near Encampment is 74,000 ac-ft (45% of average). Rock Creek near Arlington is 38,000 ac-ft (67% of average). Seminoe Reservoir inflow should be around 265,000 ac-ft (31% of average). See the following table for more detailed information on projected runoff.



Upper North Platte River Basin

Streamflow Forecasts - April 1, 2012

```

=====
<=== 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 R nr Northgate
APR-JUL      20     32     50     20     88     143     245
APR-SEP      23     38     57     21     100    163     270

Encampment R nr Encampment
APR-JUL      34     55     69     44     83     104     156
APR-SEP      36     59     74     45     89     112     165

Rock Ck nr Arlington
APR-JUL      23     31     36     68     41     49     53
APR-SEP      24     32     38     67     44     52     57

Sweetwater R nr Alcova
APR-JUL      8.9    26     37     50     48     65     74
APR-SEP     10.5    29     41     51     53     72     80

Seminoe Reservoir Inflow (2)
APR-JUL      98     152    245     31     390    605     800
APR-SEP     106     166    265     31     425    665     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 March

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
Reservoir
=====
SEMINOE      1016.7      838.7      711.1      495.9
=====

```

UPPER NORTH PLATTE RIVER BASIN Watershed Snowpack Analysis - April 1, 2012

```

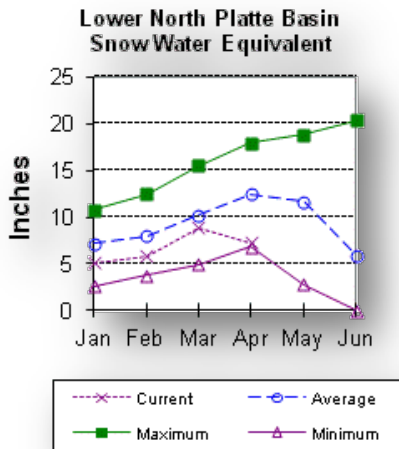
=====
Number of This Year as Percent of
Data Sites Last Year Average
Watershed
=====
N PLATTE above Northgate      7      40      55
ENCAMPMENT RIVER              4      46      59
BRUSH CREEK                   5      31      48
MEDICINE BOW & ROCK CREEKS     3      47      64
N PLATTE above Seminoe       19      41      56
=====

```

Lower North Platte, Sweetwater & Laramie River Basins

Snow

SWE for the North Platte River Basin is at 58% of average. The Sweetwater drainage SWE is currently at 70% of average. Deer and LaPrele Creek SWE are at 78% of average. SWE for the North Platte above the Laramie River drainage is 58% of average. SWE for the Laramie River above Laramie is 57% of average. SWE for the Little Laramie River is 65% of average. The Laramie River above mouth, SWE is 59% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 16% of average or 15% of last year's amount. Of the 8 reporting stations, percentages for the month range from 12-20%. The water year-to-date precipitation for the basin is currently 98% of average (77% of last year). Year-to-date percentages range from 72-131% of average.

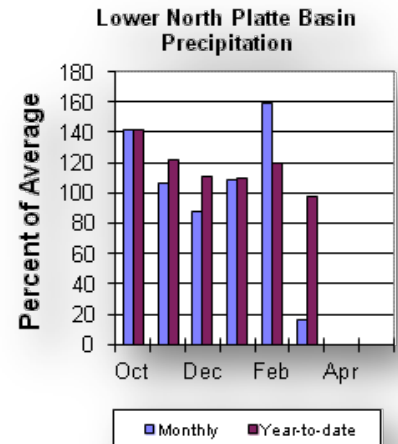
Reservoir

The Lower North Platte & Laramie River Basins reservoir storage is above average at 127%. Reservoir storage is as follows: Alcova 158,200 ac-ft (99% of average); Glendo 460,100 ac-ft (108% of average); Guernsey 17,600 ac-ft (85% of

average); Pathfinder 857,000 ac-ft (115% of average); Seminoe 838,700 ac-ft (169% of average); and Wheatland #2 86,100 ac-ft (159% of average):

Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. The Sweetwater River near Pathfinder is forecast to yield about 41,000 ac-ft (51% 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 14,000 ac-ft (58% of average). North Platte - Alcova to Orin Gain is forecast to yield 128,000 ac-ft (80% of average). North Platte River below Glendo Reservoir is 435,000 ac-ft (44% of average), and below Guernsey Reservoir is anticipated to yield around 445,000 ac-ft (44% of average). Laramie River near Woods Landing should yield around 92,000 ac-ft (68% of average). The Little Laramie near Filmore should produce about 34,000 ac-ft (53% of average). See the following table for more detailed information on projected runoff.



Lower North Platte, Sweetwater & Laramie River Basins

Streamflow Forecasts - April 1, 2012

Forecast Pt Forecast Period	<=== Drier === Future Conditions === Wetter ===>					30 Yr Avg (1000AF)
	Chance of Exceeding *					
	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	
Sweetwater R nr Alcova						
APR-JUL	8.9	26	37	50	65	74
APR-SEP	10.5	29	41	51	72	80
Deer Ck at Glenrock						
APR-JUL	4.3	19.6	30	81	56	37
APR-SEP	5.4	21	31	84	57	37
La Prele Ck ab La Prele Reservoir						
APR-JUL	1.0	8.6	13.8	58	19.0	24
APR-SEP	1.1	8.8	14.0	58	19.2	24
North Platte R-Alcova to Orin Gain						
APR-JUL	31	83	119	78	205	152
APR-SEP	40	92	128	80	215	161
North Platte R bl Glendo Res (2)						
APR-JUL	160	210	400	42	665	960
APR-SEP	174	320	435	44	710	990
North Platte R bl Guernsey Res (2)						
APR-JUL	158	260	395	41	725	970
APR-SEP	178	305	445	44	785	1010
Laramie R nr Woods						
APR-JUL	44	67	83	68	122	123
APR-SEP	48	74	92	68	136	135
Little Laramie R nr Filmore						
APR-JUL	15.6	25	32	54	48	59
APR-SEP	15.4	26	34	53	53	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.

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

Reservoir	Usable	***** Usable Storage *****		
	Capacity	This Year	Last Year	Average
ALCOVA	184.3	158.2	157.4	160.1
GLENDO	506.4	460.1	382.2	427.8
GUERNSEY	45.6	17.6	21.2	20.6
PATHFINDER	1016.5	857.0	847.6	743.7
SEMINOE	1016.7	838.7	711.1	495.9
WHEATLAND #2	98.9	86.1	57.4	54.3

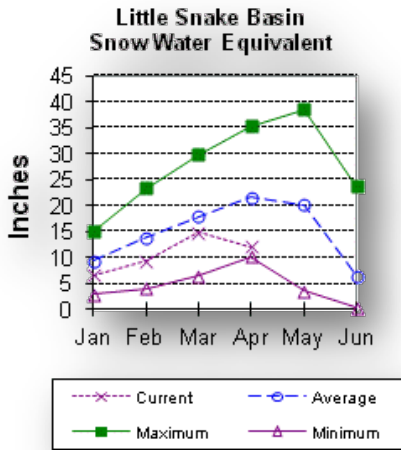
LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of	This Year as Percent of	
	Data Sites	Last Year	Average
SWEETWATER	2	63	70
DEER & LaPRELE CREEKS	2	73	78
N PLATTE abv Laramie R.	23	43	58
LARAMIE RIVER abv Laramie	10	41	57
LITTLE LARAMIE RIVER	5	46	65
LARAMIE RIVER above mouth	13	42	59
NORTH PLATTE	29	43	58

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 56% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

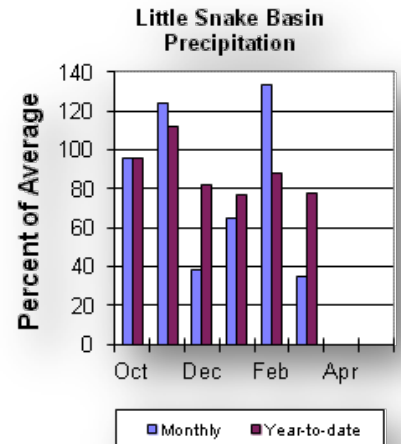
Precipitation across the basin was 35% of average (23% of last year) for the 5 reporting stations. Last month's precipitation ranged from 22-46% of average. The Little Snake River basin water-year-to-date precipitation is currently 78% of average (57% of last year). Year-to-date percentages range from 64-89% of average.

Reservoir

High Savery Dam -
13,700 ac-ft

Streamflow

The 50% exceedance forecast for the April through July time frame on the Little Snake River drainage is expected to be well below average this year. The Little Snake River near Slater should yield around 80,000 ac-ft (50% of average). The Little Snake River at Savery is estimated to yield around 180,000 ac-ft (55% of average). See the following table for more detailed information on projected runoff.



Little Snake River Basin

Streamflow Forecasts - April 1, 2012

```

=====
<=== 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 R nr Slater (2)
APR-JUL 52 68 80 50 93 114 159

Little Snake R nr Savery (2)
APR-JUL 97 143 180 55 220 290 330
    
```

```

=====
* 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.

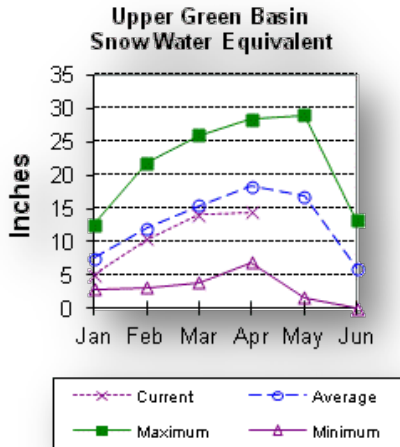
```

=====
LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2012
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Average
=====
LITTLE SNAKE RIVER          8          43          56
=====
    
```

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 75% of average. SWE for the West Side of Upper Green River Basin is about 79% of average. Newfork River Basin SWE is now about 96% of average. Big Sandy-Eden Valley Basin is 91% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 79% 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 55% of average last month (36% of last year). Last month's precipitation varied from 32-100% of average. Water year-to-date precipitation is about 91% of average (78% of last year). Year to date

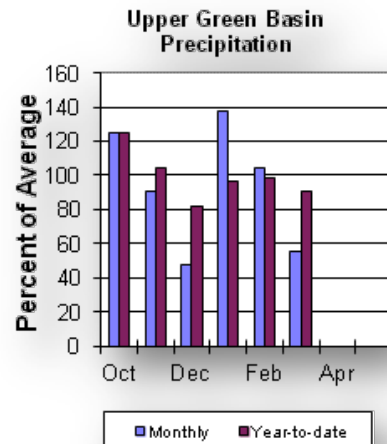
percentage of average ranges from 77-112% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 26,000 ac-ft or 68% of capacity. This is 126% of average. Fontenelle Reservoir is 123,500 ac-ft or 36% of capacity; 86% of average. This is 91% 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 210,000 ac-ft (79% of average). Pine Creek above Fremont Lake is 95,000 ac-ft (91% of average). New Fork River near Big Piney is 350,000 ac-ft (89% of average). Fontenelle Reservoir Inflow is estimated to be 665,000 ac-ft (77% of average), and Big Sandy near Farson is expected to be around 48,000 ac-ft (83% of average). See the following table for more detailed information on projected runoff.



Upper Green River Basin

Streamflow Forecasts - April 1, 2012

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg
Forecast Period	90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)		
Green R at Warren Bridge							
APR-JUL	171	194	210	79	225	255	265
Pine Ck ab Fremont Lake							
APR-JUL	81	89	95	91	101	110	104
New Fork R nr Big Piney							
APR-JUL	255	310	350	89	395	460	395
Fontenelle Reservoir Inflow (2)							
APR-JUL	430	565	665	77	775	950	860
Big Sandy R nr Farson							
APR-JUL	34	42	48	83	54	65	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 March

Reservoir	Usable Capacity	***** This Year	Usable Storage Last Year	***** Average
BIG SANDY	38.3	26.0	18.3	20.7
FONTENELLE	344.8	123.5	137.6	143.0

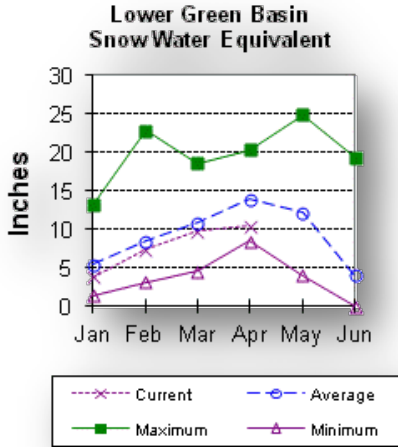
UPPER GREEN RIVER BASIN Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	5	66	75
UPPER GREEN (West Side)	7	62	79
NEWFORK RIVER	2	84	96
BIG SANDY/EDEN VALLEY	1	85	91
GREEN above Fontenelle	13	66	79

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 75% of average. SWE in the Hams Fork Basin is 72% of average. Blacks Fork Basin SWE is currently 51% of average. In the Henrys Fork drainage SWE is 65%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for the 3 reporting stations during last month was at 43% of average or 39% of last year. Precipitation ranged from 41-51% of average for the month. The basin year-to-date precipitation is currently 72% of average (63% of last year). Year-to-date percentages range from 69-79% of average.

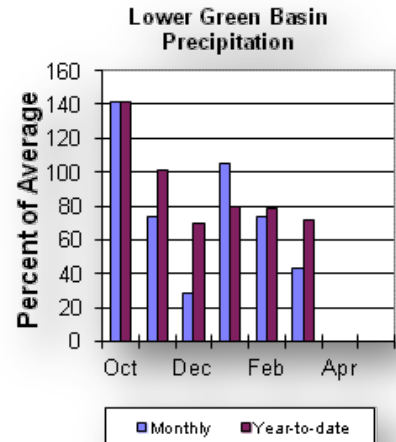
Reservoirs

Fontenelle Reservoir is currently storing 123,500 ac-ft; this is 86% of average (90% of last year). Flaming Gorge is currently

storing 3,233,000 ac-ft; this is 111% of average (102% of last year). Viva Naughton is currently storing 29,200 ac-ft, 105% of average or 69% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Lower Green River Basin are forecast to be well below average. The Green River near Green River is forecast to yield about 670,000 ac-ft (77% of average). The Blacks Fork near Robertson is forecast to yield 60,000 ac-ft (63% of average). East Fork of Smiths Fork near Robertson is forecast to yield 20,000 ac-ft (69% of average). Hams Fork below Pole Creek near Frontier is forecast to be 35,000 ac-ft (54% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 45,000 ac-ft (51% of average). The Flaming Gorge Reservoir inflow will be about 810,000 ac-ft (68% of average). See the following table for more detailed information on projected runoff.



Lower Green River Basin

Streamflow Forecasts - April 1, 2012

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg
Forecast Period	90%	70%	50%	30%	10%	Chance of Exceeding * (% AVG.)	
	(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)	(1000AF)
Green R nr Green River, WY (2)							
APR-JUL	420	570	670	77	770	920	875
Blacks Fk nr Robertson							
APR-JUL	40	51	60	63	69	84	95
EF of Smiths Fork nr Robertson (2)							
APR-JUL	11.9	16.5	20	69	24	30	29
Hams Fk bl Pole Ck nr Frontier							
APR-JUL	22	29	35	54	41	51	65
Viva Naughton Reservoir Inflow (2)							
APR-JUL	15.3	33	45	51	57	75	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	490	670	810	68	960	1210	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 March

Reservoir	Usable Capacity	***** This Year	***** Usable Storage Last Year	***** Average
FONTENELLE	344.8	123.5	137.6	143.0
FLAMING GORGE	3749.0	3233.0	3158.0	2920.0
VIVA NAUGHTON RES	42.4	29.2	29.2	27.8

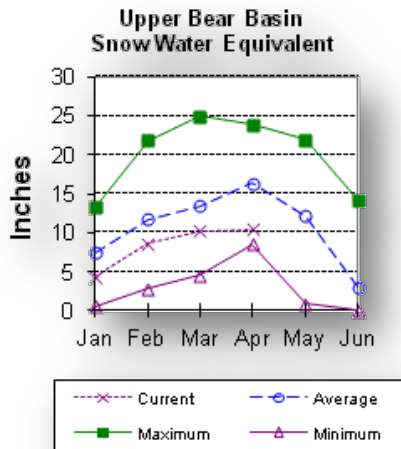
LOWER GREEN RIVER BASIN Watershed Snowpack Analysis - April 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	57	72
BLACKS FORK	4	44	51
HENRYS FORK	2	56	65
GREEN above Flaming Gorge	22	62	75

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 53% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is at 73% of average. Bear River Basin SWE, above the Idaho State line, is 64% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



is 58% of last year's amount.

Reservoir

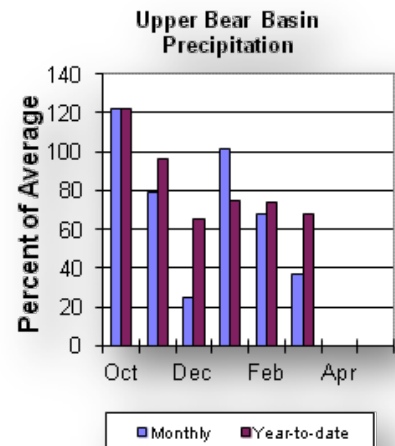
Storage in Woodruff Narrows reservoir is 57,500 ac-ft (176% of average). Current reservoir storage is about 100% of capacity. Reservoir storage last year at this time was 45,000 ac-ft.

Streamflow

The following 50% exceedance forecasts are for the April through September period. The Bear River near the Utah-Wyoming State Line is 68,000 ac-ft (54% of average). The Bear River above Reservoir near Woodruff is 68,000 ac-ft (48% of average). The Smiths Fork River near Border is 72,000 ac-ft (60% of average). See the following table for more detailed information on projected runoff.

Precipitation

Precipitation for last month was 37% of average for the 2 reporting stations; this is 29% of the precipitation received last year. The year-to-date precipitation, for the basin, is 68% of average; this



Upper Bear River Basin

Streamflow Forecasts - April 1, 2012

```

=====
<=== 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 R nr UT-WY State Line
APR-JUL     33     50     62     55     74     91     113
APR-SEP     36     55     68     54     81    100     125

Bear R ab Res nr Woodruff
APR-JUL     20     45     62     46     79    104     136
APR-SEP     25     51     68     48     85    111     142

Smiths Fk nr Border
APR-JUL     38     51     60     58     69     82     103
APR-SEP     47     62     72     60     82     97     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 March
=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity          This Year          Last Year          Average
=====
WOODRUFF NARROWS          57.3          57.5          57.0          32.7
=====

```

```

=====
UPPER BEAR RIVER BASIN
Watershed Snowpack Analysis - April 1, 2012
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Average
=====
UPPER BEAR RIVER in Utah          6          38          53
SMITHS & THOMAS FORKS          4          59          73
BEAR RIVER abv ID line          8          48          64
NORTHWEST          72          76          88
NORTHEAST          17          78          88
SOUTHEAST          33          43          57
SOUTHWEST          31          54          66
=====

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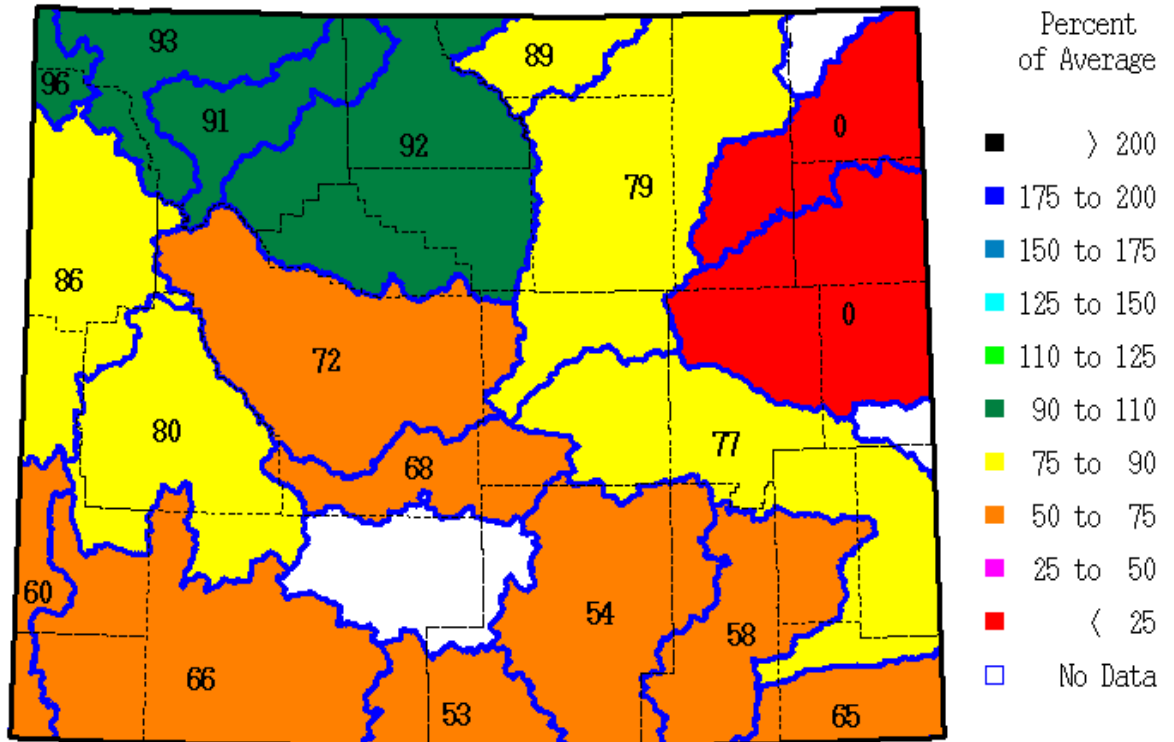
Issued by

Dave White (Chief)
U.S.D.A.
Natural Resources Conservation Service
Washington D.C.

Released by

Paul Shelton(acting)
State Con.
N R C S
Casper, Wyoming

SWE % of Average as of Monday, 02 April 2012



* = Data may not provide a valid measure of conditions

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:

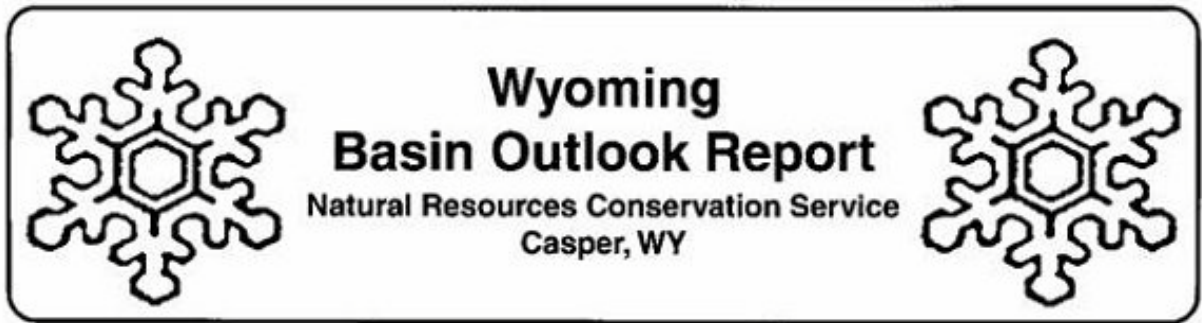
The Wyoming State Engineer's Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins



Natural Resources Conservation Service
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Box 33124
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«Address2»
«City», «State» «PostalCode»

«MailingListID»