United States Department of Agriculture

Natural Resources Conservation Service

Wyoming Basin Outlook Report
March 1, 2012

Webber Springs SNOTEL (Sierra Madre 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.

Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is above average for March 1st at 107%. Monthly precipitation for the basins varied from 68-210% of average. Year-to-date precipitation for Wyoming basins varies from 79-144% of average. Forecasted runoff varies from 52-123% of average across the Wyoming basins for an overall average of 93%. Basin reservoir levels for Wyoming vary from 74-246% of average for an overall average of 115%.

Snowpack

Snow water equivalent (SWE), across Wyoming is slightly above average for this time of year at 107%. SWE in the NW portion of Wyoming is now about 98% of average (93% of last year). NE Wyoming SWE is currently about 127% of average (110% of last year). The SE Wyoming SWE is currently about 87% of average (68% of last year). The SW Wyoming SWE is about 86% of average (75% of last year).

Precipitation

Last month's precipitation was above average across Wyoming. The Belle Fourche & Cheyenne Basins had the highest precipitation for the month at 210% of average. The Upper Bear River Basin had the lowest precipitation amount at 68% 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	-02%	Upper North Platte River	+35%
Yellowstone & Madison	+00%	Lower North Platte	+59%
Wind River	+27%	Little Snake River	+33%
Bighorn	+96%	Upper Green River	+04%
Shoshone & Clarks Fork	+27%	Lower Green River	-26%
Powder & Tongue River	+87%	Upper Bear River	-32%
Belle Fourche & Cheyenne	+110%		

Streams

Stream flow yield for April to September is expected to be about average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 93% (varying from 57-137% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 92% and 96% of average, respectively; 87-112% of average for the various forecast points in the basins. Yields from the Wind and Bighorn River Basins are expected to be about 88% and 102% of average, respectively; varying from 88-113% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 104% and 103% of average, respectively; varying from 103-109% of average. Yields from the Tongue & Powder River Basins are expected to be about 124% and 129% of average, respectively; varying from 117-133% of average. Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 131% and 117% of average, respectively. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 67% and 89% of average, respectively; varying from 65-137% of average. Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to

be 82%, 79%, and 71% of average respectively; yield estimates vary from 57-96% of average.

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 115% of average for the entire state. Reservoirs on the North Platte River are above average at 125%. Reservoirs in the northeast are above average in storage at 120%. Reservoirs in the Wind River Basin are above average at 106%. Reservoirs on the Big Horn are above average at 105%. The Buffalo Bill Reservoir on the Shoshone is above average at 108%. Reservoirs on the Green River are above average at 111%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming

Feb 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	85	85	84	101	100
ANGOSTURA	80	89	83	97	90
BELLE FOURCHE	73	88	63	116	83
BIG SANDY	61	48	50	123	126
BIGHORN LAKE	63	63	61	103	100
BOYSEN	102	94	96	106	109
BUFFALO BILL	68	68	63	109	101
BULL LAKE	62	46	56	110	133
DEERFIELD	98	97	87	113	101
ENNIS LAKE	72	68	77	94	106
FLAMING GORGE	88	83	78	113	106
FONTENELLE	36	46	45	80	80
GLENDO	81	84	75	107	96
Grassy Lake	81	87	79	103	93
GUERNSEY	34	47	31	108	72
HEBGEN LAKE	78	77	70	111	101
Jackson Lake	76	78	58	130	97
KEYHOLE	88	58	55	161	150
PACTOLA	95	96	84	113	99
Palisades	87	63	74	118	140
PATHFINDER	79	83	70	112	95
PILOT BUTTE	79	79	63	126	101
SEMINOE	83	78	52	160	107
SHADEHILL	45	65	61	74	69
TONGUE RIVER	77	68	31	246	112
VIVA NAUGHTON RES	67	71	69	98	96
WHEATLAND #2	76	57	48	157	132
WOODRUFF NARROWS	86	79	48	178	109
TOTAL 28 RESERVOIRS	80	75	69	115	106

Raw KAF Total Current=10606 Last Year=10017 Average=9189 Capacity=13288

B A S I N S U M M A R Y O F
SNOTEL and S N O W C O U R S E D A T A
MARCH 2012

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	3/01/12	46	11.7	13.5	11.8
ASTER CREEK	7750	2/29/12	86	25.1	25.4	25.2
BALD MOUNTAIN SNOTEL	9380	3/01/12	75	18.4	19.3	16.0
BASE CAMP	7030	2/28/12	71	20.1	19.0	17.5
BASE CAMP SNOTEL	7030	3/01/12	---	18.3	16.4	16.0
BATTLE MTN. SNOTEL	7440	3/01/12	37	10.7	7.7	9.7
BEARLODGE DIVIDE	4680	2/24/12	8	1.3	5.7	1.8
BEARTOOTH LK. SNOTEL	9280	3/01/12	79	20.9	20.7	19.7
BEAR TRAP SNOTEL	8200	3/01/12	45	7.9	6.3	4.3
BIG GOOSE SNOTEL	7760	3/01/12	42	9.2	6.0	7.7
BIG PARK	8620	2/28/12	48	13.2	19.6	16.2
BIG SANDY SNOTEL	9080	3/01/12	55	12.0	12.4	12.1
BLACKWATER SNOTEL	9780	3/01/12	74	21.5	20.8	20.4
BLIND BULL SNOTEL	8900	3/01/12	72	19.9	23.4	23.1
BLUE RIDGE	9620	2/28/12	39	8.6	9.5	9.8
BONE SPGS. SNOTEL	9350	3/01/12	68	18.0	15.7	13.2
BROOKLYN LK. SNOTEL	10220	3/01/12	---	16.6	25.1	19.0
BURGESS JCT. SNOTEL	7880	3/01/12	46	11.5	8.7	9.0
BURROUGHS CRK SNOTEL	8750	3/01/12	53	12.9	12.1	12.6
CANYON SNOTEL	8090	3/01/12	48	10.7	13.5	11.3
CASPER MTN. SNOTEL	7850	3/01/12	58	17.6	9.3	11.3
CASTLE CREEK SNOTEL	8400	3/01/12	34	7.1	5.4	--
CASTLE CREEK	8400	2/27/12	26	5.3	4.1	4.0
CCC CAMP	7000	2/27/12	37	9.9	13.2	11.0
CHALK CK #1 SNOTEL	9100	3/01/12	64	14.0	26.0	19.9
CHALK CK #2 SNOTEL	8200	3/01/12	52	9.8	17.2	12.9
CINNABAR PARK SNOTEL	9690	3/01/12	62	15.3	20.9	15.9
CLOUD PEAK SNOTEL	9850	3/01/12	62	15.2	12.7	10.0
COLE CANYON SNOTEL	5910	3/01/12	31	6.6	6.9	5.7
COLD SPRINGS SNOTEL	9630	3/01/12	37	7.5	7.0	7.2
COTTONWOOD CR SNOTEL	7700	3/01/12	---	17.3	21.5	18.5
CROW CREEK SNOTEL	8830	3/01/12	29	7.8	9.3	7.3
DARBY CANYON	8250	2/27/12	58	16.3	19.4	20.3
DEEP LAKE	10500	3/01/12	91	27.5	--	--
DEER PARK SNOTEL	9700	3/01/12	53	10.6	16.1	14.4
DIVIDE PEAK SNOTEL	8860	3/01/12	---	13.3	18.5	15.6
DOME LAKE SNOTEL	8880	3/01/12	57	13.2	9.9	9.5
DU NOIR	8760	2/29/12	30	7.1	5.8	6.8
EAST RIM DIV SNOTEL	7930	3/01/12	43	10.2	12.4	11.0
ELBO RANCH	7100	2/29/12	40	9.4	11.7	10.3
ELKHART PARK SNOTEL	9400	3/01/12	---	11.6	10.6	11.1
EVENING STAR SNOTEL	9200	3/01/12	87	24.4	25.6	25.0
FOUR MILE MEADOWS	7860	2/28/12	40	9.4	12.9	10.8
FOXPARK	9060	3/01/12	23	5.7	9.7	6.3
GEYSER CREEK	8500	2/29/12	25	7.8	5.0	6.0
GLADE CREEK	7040	3/01/12	80	22.4	21.4	20.9
GRAND TARGHEE SNOTEL	9260	3/01/12	103	30.1	38.8	--
GRANITE CRK SNOTEL	6770	3/01/12	---	15.0	16.7	16.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
GRANNIER MEADOWS	8860	2/28/12	40	9.6	11.3	11.7
GRASSY LAKE	7270	3/01/12	104	30.4	29.5	30.1
GRASSY LAKE SNOTEL	7270	3/01/12	103	27.6	29.7	29.5
GRAVE SPRINGS SNOTEL	8550	3/01/12	41	8.2	6.6	7.3
GROS VENTRE SNOTEL	8750	3/01/12	38	8.5	12.4	11.5
GROVER PARK DIVIDE	7000	2/27/12	36	9.2	8.1	10.0
HAIRPIN TURN	9480	3/01/12	52	14.1	17.9	13.9
HANSEN S.M. SNOTEL	8360	3/01/12	33	5.9	5.3	5.2
HAMS FORK SNOTEL	7840	3/01/12	41	9.5	14.0	11.0
HASKINS CREEK	8980	3/01/12	74	19.4	31.0	25.9
HOBACK GS	6640	2/24/12	39	9.4	7.4	--
HOBBS PARK SNOTEL	10100	3/01/12	53	13.1	12.2	11.9
HUCKLEBERRY DIVIDE	7300	2/29/12	70	19.5	18.7	18.5
INDIAN CREEK SNOTEL	9430	3/01/12	---	17.9	26.0	22.3
JACKPINE CREEK	7350	2/27/12	72	18.3	19.2	19.4
KELLEY R.S. SNOTEL	8180	3/01/12	47	11.7	17.3	14.0
KENDALL R.S. SNOTEL	7740	3/01/12	54	13.5	10.8	12.4
KIRWIN SNOTEL	9550	3/01/12	47	11.0	9.1	9.1
LAKE CAMP	7780	3/01/12	37	7.6	11.7	8.7
LA PRELE SNOTEL	8380	3/01/12	41	8.9	10.6	8.9
LARSEN CREEK	9020	2/23/12	35	7.7	8.7	11.0
LARSEN CREEK SNOTEL	9020	3/01/12	43	10.5	12.3	--
LEWIS LAKE SNOTEL	7850	3/01/12	93	26.0	28.6	29.7
LIBBY LODGE	8750	3/01/12	44	12.4	14.1	9.6
LITTLE GOOSE SNOTEL	8870	3/01/12	44	10.4	6.8	--
LITTLE WARM SNOTEL	9370	3/01/12	37	7.3	9.8	9.5
LOOMIS PARK SNOTEL	8240	3/01/12	---	12.9	16.1	14.5
LUPINE CREEK	7380	2/28/12	24	5.8	7.2	7.9
MALLO	6420	3/01/12	42	7.9	9.0	6.6
MARQUETTE SNOTEL	8760	3/01/12	31	8.4	1.8	6.9
MEDICINE LODGE LAKES	9340	2/27/12	59	11.2	12.6	9.2
MIDDLE FORK	7420	2/29/12	28	6.1	4.9	4.8
MIDDLE POWDER SNOTEL	7760	3/01/12	47	9.9	7.6	9.0
MORAN	6750	3/01/12	49	13.2	11.2	11.8
MOSS LAKE	9800	3/01/12	56	15.6	26.2	19.9
NEW FORK SNOTEL	8340	3/01/12	39	10.4	10.3	9.6
NORRIS BASIN	7500	2/29/12	36	7.6	9.3	9.6
NORTH BARRETT CREEK	9400	2/27/12	58	14.4	26.8	17.5
NORTH FRENCH SNOTEL	10130	3/01/12	---	18.4	36.0	22.7
NORTH TONGUE	8450	2/29/12	55	13.4	10.6	10.3
OLD BATTLE SNOTEL	9920	3/01/12	84	20.8	34.4	26.3
OLD FAITHFUL	7400	2/26/12	41	9.7	13.2	12.9
ONION GULCH	8780	2/28/12	39	8.2	6.8	6.7
OWL CREEK SNOTEL	8980	3/01/12	25	4.5	4.5	4.1
PARKERS PEAK SNOTEL	9400	3/01/12	75	19.2	23.2	18.2
PHILLIPS BNCH SNOTEL	8200	3/01/12	78	20.7	24.6	23.9
POCKET CREEK	9350	2/23/12	37	9.2	8.7	10.9
POCKET CREEK SNOTEL	9350	3/01/12	54	9.2	9.7	--
POLE MOUNTAIN	8700	3/01/12	41	10.2	10.4	6.8
POWDER RVR.PASS SNTL	9480	3/01/12	55	11.4	11.4	8.7
PURGATORY GULCH	8970	2/28/12	41	10.4	13.2	9.5
RANGER CREEK	8120	2/27/12	45	9.6	8.4	7.3
RENO HILL SNOTEL	8500	3/01/12	58	15.0	12.0	10.4
REUTER CANYON	6280	2/27/12	43	9.4	12.5	8.4

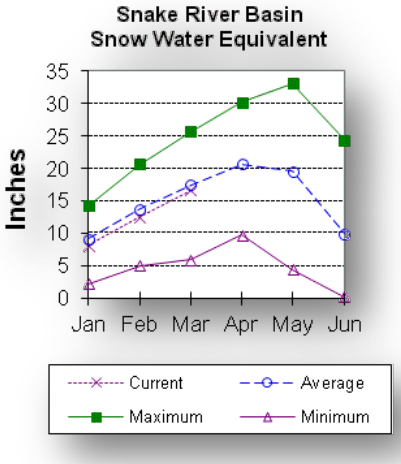
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ROWDY CREEK	8300	2/24/12	60	16.5	17.2	18.5
RYAN PARK	8400	2/27/12	36	8.8	13.6	9.7
SAGE CK BASIN SNTL	7850	3/01/12	55	13.5	17.1	9.0
SALT RIVER SNOTEL	7600	3/01/12	44	9.9	14.2	12.2
SAND LAKE SNOTEL	10050	3/01/12	85	21.9	33.5	25.2
SANDSTONE RS SNOTEL	8150	3/01/12	43	10.3	12.2	12.5
SAWMILL DIVIDE	9260	2/09/12	56	14.4	10.2	10.2
SHELL CREEK SNOTEL	9580	3/01/12	73	16.3	13.5	11.8
SHERIDAN R.S.	7750	2/27/12	20	3.4	4.3	5.2
SNAKE RIVER STATION	6920	2/29/12	67	19.0	17.9	18.3
SNAKE RV STA SNOTEL	6920	3/01/12	62	16.6	15.8	16.6
SNIDER BASIN SNOTEL	8060	3/01/12	51	11.8	16.8	12.4
SOLDIER PARK SNOTEL	8780	3/01/12	50	12.8	5.5	--
SOLDIER PARK	8780	2/28/12	29	4.9	4.0	4.4
SOUR DOUGH	8460	2/24/12	29	5.4	5.0	5.4
SOUTH BRUSH SNOTEL	8440	3/01/12	35	7.7	15.2	10.0
SOUTH PASS SNOTEL	9040	3/01/12	62	12.9	15.0	14.0
SPRING CRK. SNOTEL	9000	3/01/12	80	20.5	28.3	22.2
ST LAWRENCE ALT SNTL	8620	3/01/12	25	4.8	4.2	5.9
SUCKER CREEK SNOTEL	8880	3/01/12	56	13.6	10.1	9.1
SYLVAN LAKE SNOTEL	8420	3/01/12	62	15.7	19.5	18.8
SYLVAN ROAD SNOTEL	7120	3/01/12	49	12.1	13.4	11.4
T CROSS RANCH	7900	2/29/12	30	7.4	5.7	6.8
TETON PASS W.S.	7740	3/02/12	70	21.4	23.6	23.4
THUMB DIVIDE	7980	2/29/12	48	12.5	14.9	15.8
THUMB DIVIDE SNOTEL	7980	3/01/12	60	13.4	16.5	15.4
TIE CREEK SNOTEL	6870	3/01/12	29	6.9	5.6	4.9
TIMBER CREEK SNOTEL	7950	3/01/12	23	4.6	3.1	4.2
TOGWOTEE PASS SNOTEL	9580	3/01/12	73	18.8	23.2	20.7
TOWNSEND CRK SNOTEL	8700	3/01/12	40	8.1	7.5	6.9
TRIPLE PEAK SNOTEL	8500	3/01/12	75	20.4	24.6	20.9
TURPIN MEADOWS	6900	2/28/12	42	9.8	11.0	9.4
TWO OCEAN SNOTEL	9240	3/01/12	97	28.4	26.6	23.3
TYRELL RANGER STA.	8300	2/24/12	44	7.4	7.3	6.2
WEBBER SPRING SNOTEL	9250	3/01/12	67	16.0	25.4	21.3
WHISKEY PARK SNOTEL	8950	3/01/12	75	19.0	28.9	23.8
WILLOW CREEK SNOTEL	8450	3/01/12	85	22.7	27.4	25.4
WINDY PEAK SNOTEL	7900	3/01/12	29	6.8	8.8	6.0
WOLVERINE SNOTEL	7650	3/01/12	37	11.9	12.4	10.6
WOOD ROCK G.S.	8440	2/29/12	43	9.8	7.1	7.8
YOUNTS PEAK SNOTEL	8350	3/01/12	55	14.8	13.7	14.6

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 95% of average. SWE in the Snake River Basin above Jackson Lake is 101% of average. Pacific Creek Basin SWE is 117% of average. Gros Ventre River Basin SWE is 88% of average. SWE in the Hoback River drainage is 87% of average. SWE in the Greys River drainage is 90% of average. In the Salt River area SWE is 89% of average. SWE in the Snake River Basin above Palisades is 95% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

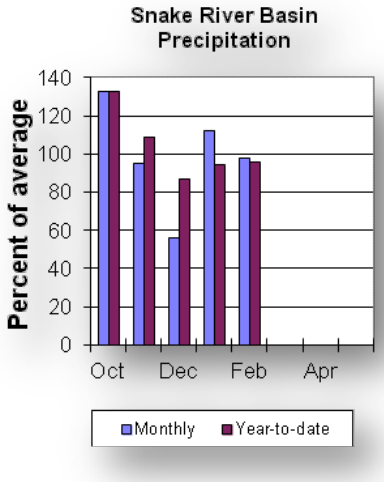


Precipitation

Precipitation across the basin was about average last month. Monthly precipitation for the basin was 98% of average (129% of last year). Last month's percentages range from 72-127% of average for the 16 reporting stations. Water-year-to-date precipitation is 96% of average for the Snake River Basin (89% of last year). Year-to-date percentages range from 68-116% of average.

Reservoir

Current reservoir storage is 122% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 103% of average (12,300 ac-ft compared to 13,200 last year). Jackson Lake storage is 130% of average (640,000 ac-ft compared to 656,600 ac-ft last year). Palisades Reservoir storage is about 118% of average (1,223,500 ac-ft compared to 875,700 ac-ft last year). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for April through September are below average for the basin. The Snake near Moran is 905,000 ac-ft (100% of average). Snake River above reservoir near Alpine is 2,560,000 ac-ft (94% of average). The Snake near Irwin is 3,570,000 ac-ft (92% of average). The Snake near Heise is 3,830,000 ac-ft (92% of average). Pacific Creek near Moran is 200,000 ac-ft (112% of average). Buffalo Fork above Lava near Moran is 360,000 ac-ft (105% of average). Gros Ventre River at Kelly is 260,000 ac-ft (107% of average). Greys River above Palisades Reservoir is 355,000 ac-ft (90% of average). Salt River near Etna is 365,000 ac-ft (87% of average). See the following page for detailed runoff volumes.

Snake River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R nr Moran (1,2)							
APR-JUL	640	765	820	101	875	1000	815
APR-SEP	695	840	905	100	970	1110	905
Snake R nr Alpine (1,2)							
APR-JUL	1730	2070	2230	94	2390	2730	2370
APR-SEP	1970	2380	2560	94	2740	3150	2730
Snake R nr Irwin (1,2)							
APR-JUL	2430	2870	3070	92	3270	3710	3330
APR-SEP	2860	3350	3570	92	3790	4280	3870
Snake R nr Heise (2)							
APR-JUL	2730	3060	3280	92	3500	3830	3560
APR-SEP	3210	3580	3830	92	4080	4450	4160
Pacific Ck At Moran							
APR-JUL	149	176	194	114	210	240	171
APR-SEP	153	181	200	112	220	245	178
Buffalo Fork ab Lava nr Moran							
APR-JUL	260	290	315	105	340	370	301
APR-SEP	295	335	360	105	385	425	344
Gros Ventre R at Kelly							
APR-JUL	157	191	215	108	240	275	200
APR-SEP	192	230	260	107	290	330	244
Greys R Nr Alpine							
APR-JUL	240	280	305	90	330	370	340
APR-SEP	280	325	355	90	385	430	395
Salt R Nr Etna							
APR-JUL	179	250	295	87	340	410	340
APR-SEP	225	310	365	87	420	505	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	12.3	13.2	12.0
Jackson Lake	847.0	640.0	656.6	494.0
Palisades	1400.0	1223.5	875.7	1033.1

SNAKE RIVER BASIN

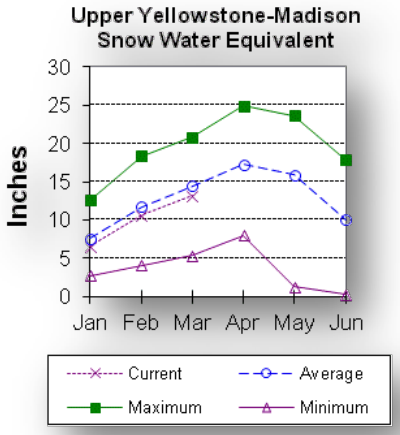
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	9	99	101
PACIFIC CREEK	3	111	117
GROS VENTRE RIVER	4	77	88
HOBACK RIVER	5	82	87
GREYS RIVER	4	80	90
SALT RIVER	5	82	89
SNAKE above Palisades	28	89	95

Upper Yellowstone & Madison River Basins

Snow

Snow water equivalent (SWE) is at 86% of average in the Madison drainage. SWE in the Yellowstone drainage is at 96% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

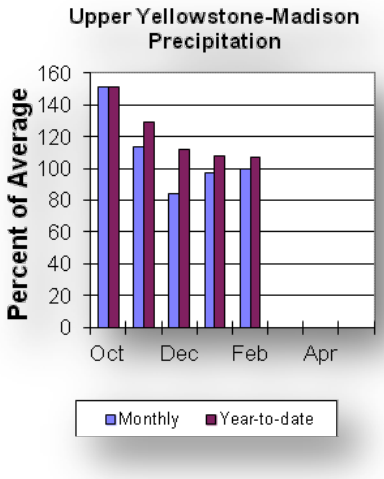


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 100% of average (117% of last year). The 5 reporting stations percentages range from 72-135% of average. Water-year-to-date precipitation is about 107% of average (93% of last year's amount). Year to date percentage ranges from 83-06%.

Reservoir

Ennis Lake is storing about 29,600 ac-ft of water (72% of capacity, 94% of average or 106% of last year's volume). Hebgen Lake is storing about 293,500 ac-ft of water (78% of capacity, 111% 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 about average for the basins. Yellowstone at Lake Outlet is 795,000 ac-ft (99% 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 450,000 ac-ft (89% of average). See the following page for detailed runoff volumes.

Upper Yellowstone & Madison River Basins

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Yellowstone R at Yellowstone Lake							
APR-JUL	490	560	605	103	650	720	590
APR-SEP	645	735	795	99	855	945	805
Yellowstone R at Corwin Springs							
APR-JUL	1360	1550	1670	101	1790	1980	1650
APR-SEP	1580	1800	1950	99	2100	2320	1970
Yellowstone R at Livingston							
APR-JUL	1520	1750	1910	101	2070	2300	1900
APR-SEP	1770	2040	2230	98	2420	2690	2280
Hebgen Reservoir Inflow (2)							
APR-JUL	285	325	350	89	375	415	395
APR-SEP	370	420	450	89	480	530	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 Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	29.6	27.8	31.4
HEBGEN LAKE	377.5	293.5	291.0	265.2

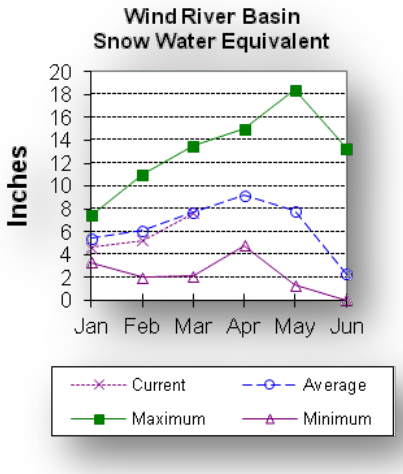
UPPER YELLOWSTONE & MADISON RIVER BASINS
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	80	86
YELLOWSTONE RIVER in WY	11	86	96

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 99% of average for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 99% of average. The Little Wind SWE is 101% of average, and the Popo Agie drainage SWE is about 94% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

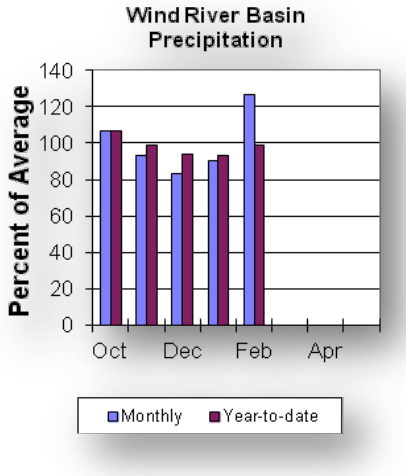


Precipitation

Last month's precipitation in the basin varied from 111-154% of average. Precipitation, for the basin, was about 127% of average from the 8 reporting stations; that is about 132% of last year's amount. Water year-to-date precipitation is 99% of average and about 101% of last year at this time. Year-to-date percentages range from 84-121% of average.

Reservoirs

Current storage varies from 106-126% of average. Current storage in Bull Lake is about 93,600 ac-ft (110% of average) - the reservoir is at 133% of last year. Boysen Reservoir is storing about 106% of average (608,100 ac-ft) – the reservoir is about 109% of last year. Pilot Butte is at 126% of average (25,100 ac-ft) – the reservoir is at 101% 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 93,000 ac-ft (99% of average). The Wind River above Bull Lake Creek is 505,000 ac-ft (94% of average). Bull Lake Creek near Lenore is 178,000 ac-ft (98% of average). Wind River at Riverton will yield around 570,000 ac-ft (89% of average). Little Popo Agie River near Lander is around 51,000 ac-ft (96% of average). South Fork of Little Wind near Fort Washakie will yield around 82,000 ac-ft (98% of average). Little Wind River near Riverton will yield around 300,000 ac-ft (95% of average). Boysen Reservoir inflow will yield around 710,000 ac-ft (88% of average). See the following page for detailed runoff volumes.

Wind River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Dinwoody Ck nr Burris							
APR-JUL	53	61	66	99	71	79	67
APR-SEP	76	86	93	99	100	110	94
Wind R ab Bull Lake Ck (2)							
APR-JUL	305	370	415	95	460	525	435
APR-SEP	375	455	505	94	555	635	535
Bull Lake Ck nr Lenore							
APR-JUL	114	133	145	98	157	176	148
APR-SEP	140	162	178	98	194	215	182
Wind R at Riverton (2)							
APR-JUL	330	425	490	90	555	650	545
APR-SEP	380	495	570	89	645	760	640
Little Popo Agie R nr Lander							
APR-JUL	29	38	44	96	50	59	46
APR-SEP	35	44	51	96	58	67	53
SF Little Wind R nr Fort Washakie							
APR-JUL	52	64	72	99	80	92	73
APR-SEP	59	73	82	98	91	105	84
Little Wind R nr Riverton							
APR-JUL	136	215	265	95	315	395	280
APR-SEP	159	245	300	95	355	440	315
Boysen Reservoir Inflow (2)							
APR-JUL	260	490	645	90	800	1030	717
APR-SEP	280	535	710	88	885	1140	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	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	93.6	70.5	85.4
BOYSEN	596.0	608.1	557.8	571.4
PILOT BUTTE	31.6	25.1	24.9	19.9

WIND RIVER BASIN

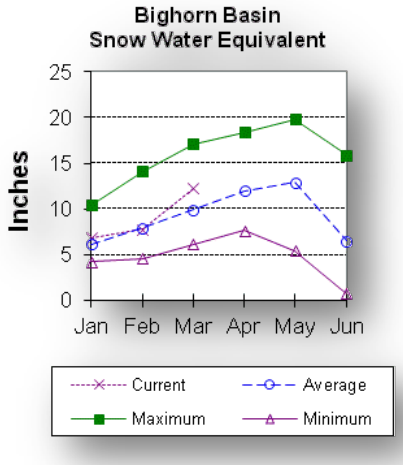
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubios	8	100	99
LITTLE WIND	2	109	101
POPO AGIE	7	90	94
WIND above Boysen Resv	15	99	100

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 124% of average. The Nowood River is at 121% of average. The Greybull River SWE is at 117% of average. Shell Creek SWE is 129% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

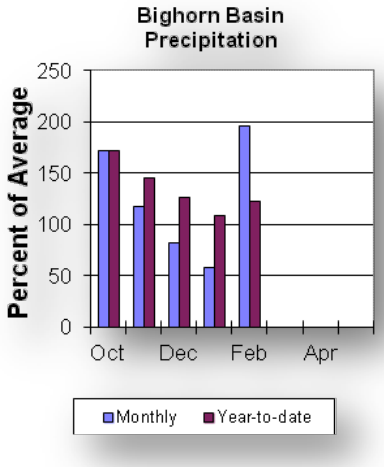


Precipitation

Last month's precipitation was 196% of average (201% of last year). Sites ranged from 122-333% of average for the month. Year-to-date precipitation is 123% of average; that is 114% of last year at this time. Year-to-date percentages, from the 10 reporting stations, range from 95-161%.

Reservoir

Boysen Reservoir is currently storing 608,100 ac-ft (106% of average). Bighorn Lake is now at 855,100 ac-ft (103% of average). Boysen is currently storing 109% of last year volume at this time and Big Horn Lake is storing 100% 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 710,000 ac-ft (88% of average); the Greybull River near Meeteetse should yield around 215,000 ac-ft (108% of average); Shell Creek near Shell should yield around 81,000 ac-ft (113% of average) and the Bighorn River at Kane should yield around 1,130,000 ac-ft (102% of average). See the following page for detailed runoff volumes.

Bighorn River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Boysen Reservoir Inflow (2)							
APR-JUL	260	490	645	90	800	1030	717
APR-SEP	280	535	710	88	885	1140	809
Greybull R nr Meeteetse							
APR-JUL	120	142	157	106	172	194	148
APR-SEP	167	196	215	108	235	265	200
Shell Ck nr Shell							
APR-JUL	54	63	69	115	75	84	60
APR-SEP	64	74	81	113	88	98	72
Bighorn R at Kane (2)							
APR-JUL	510	820	1030	103	1240	1550	1000
APR-SEP	565	900	1130	102	1360	1700	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 Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	608.1	557.8	571.4
BIGHORN LAKE	1356.0	855.1	853.4	826.3

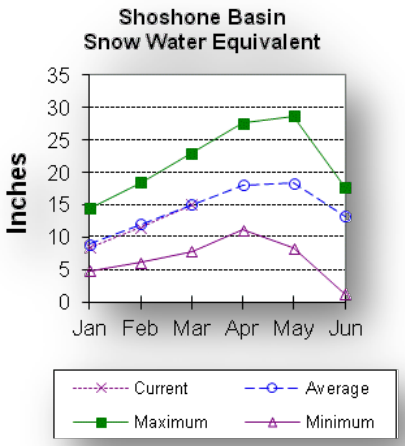
BIGHORN RIVER BASIN
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	5	105	121
GREYBULL RIVER	2	128	117
SHELL CREEK	4	109	129
BIGHORN (Boysen-Bighorn)	11	110	124

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is near average for this time of year. Snow Water Equivalent (SWE) is 100% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 100% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

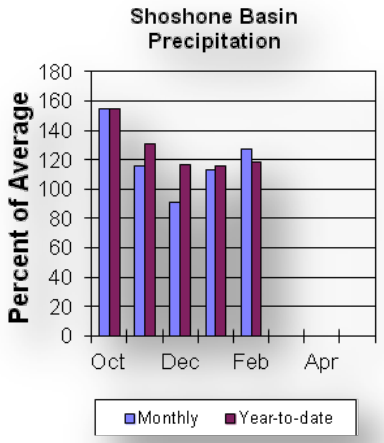


Precipitation

Precipitation for last month was 127% of average (146% of last year). Monthly percentages range from 100-143% of average. The basin year-to-date precipitation is now 118% of average (103% of last year). Year-to-date percentages range from 100-147% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 109% of average (101% of last year's storage) – the reservoir is at about 68% of capacity. Currently, about 442,000 ac-ft are stored in the reservoir compared to 438,100 ac-ft last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through September period are expected to be above average for the basin. The North Fork Shoshone River at Wapiti is 550,000 ac-ft (106% of average). The South Fork of the Shoshone River near Valley is 275,000 ac-ft (104% of average), and the South Fork above Buffalo Bill Reservoir runoff is 245,000 ac-ft (109% of average). The Buffalo Bill Reservoir inflow is expected to yield around 840,000 ac-ft (104% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 610,000 ac-ft (103% of average). See the following page for detailed runoff volumes.

Shoshone & Clarks Fork River Basins

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NF Shoshone R at Wapiti							
APR-JUL	390	450	490	107	530	590	460
APR-SEP	440	505	550	106	595	660	520
SF Shoshone R nr Valley							
APR-JUL	194	220	240	107	260	285	225
APR-SEP	225	255	275	104	295	325	265
SF Shoshone R ab Buffalo Bill Res							
APR-JUL	161	205	235	109	265	310	215
APR-SEP	167	215	245	109	275	325	225
Buffalo Bill Reservoir Inflow (2)							
APR-JUL	600	695	760	106	825	920	720
APR-SEP	665	770	840	104	910	1020	805
Clarks Fk Yellowstone R nr Belfry							
APR-JUL	460	520	560	104	600	660	540
APR-SEP	500	565	610	103	655	720	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 Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	442.0	438.1	405.8

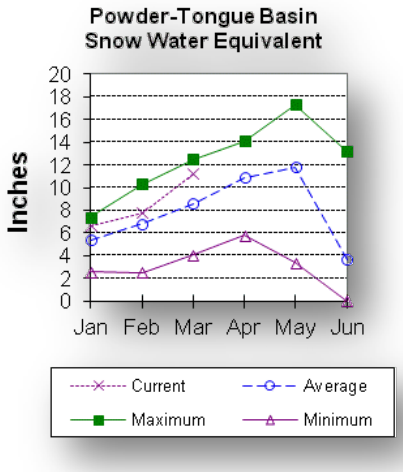
SHOSHONE & CLARKS FORK RIVER BASINS
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	102	100
CLARKS FORK in WY	7	90	100

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 135% of average. The Goose Creek drainage is 134% of average. SWE in the Clear Creek drainage is 126% of average. Crazy Woman Creek drainage is 120% of average. Upper Powder River drainage SWE is 130% of average. Powder River Basin SWE in Wyoming is 128% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

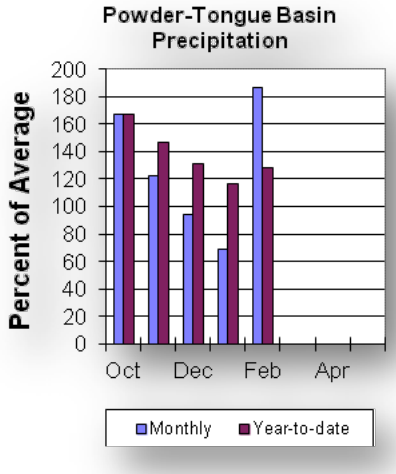
Last month's precipitation was 187% of average for the 9 reporting stations (193% of last year). Monthly percentages range from 123-300% of average. Year-to-date precipitation is 128% of average in the basin; this is 118% of last year at this time. Precipitation for the year ranges from 102-141% of average.

Reservoir

The Tongue River Reservoir currently is storing 246% of average (60,600 ac-ft) compared to 112% of last year's storage.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be above average for the basins. The yield for Tongue River near Dayton is 128,000 ac-ft (117% of average). Big Goose Creek near Sheridan is 72,000 ac-ft (120% of average). Little Goose Creek near Bighorn is 52,000 ac-ft (124% of average). The Tongue River Reservoir Inflow is 310,000 ac-ft (124% of average). The Middle Fork of the Powder River near Barnum is 21,000 ac-ft (112% of average). The North Fork of the Powder River near Hazelton should yield around 12,700 ac-ft (122% of average). Rock Creek near Buffalo will yield about 31,000 ac-ft (129% of average), and Piney Creek at Kearny should yield about 69,000 ac-ft (133% of average). The Powder River at Moorehead is 295,000 ac-ft (128% of average). The Powder River near Locate is 335,000 ac-ft (129% of average). See the following page for detailed runoff volumes.



Powder & Tongue River Basins

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Tongue R nr Dayton (2)							
APR-JUL	83	101	114	119	127	145	96
APR-SEP	94	114	128	117	142	162	109
Big Goose Ck nr Sheridan							
APR-JUL	44	55	63	121	71	82	52
APR-SEP	52	64	72	120	80	92	60
Little Goose Ck nr Bighorn							
APR-JUL	31	38	43	127	48	55	34
APR-SEP	39	47	52	124	57	65	42
Tongue River Reservoir Inflow (2)							
APR-JUL	170	235	280	127	325	390	220
APR-SEP	194	265	310	124	355	425	250
MF Powder R nr Barnum							
APR-JUL	14.2	17.6	20	112	22	26	17.8
APR-SEP	15.0	18.6	21	112	23	27	18.7
NF Powder R nr Hazelton							
APR-JUL	8.6	10.5	11.8	123	13.1	15.0	9.6
APR-SEP	9.4	11.3	12.7	122	14.1	16.0	10.4
Rock Ck nr Buffalo							
APR-JUL	19.4	24	27	136	30	35	19.9
APR-SEP	23	28	31	129	34	39	24
Piney Ck at Kearny							
APR-JUL	40	55	65	133	75	90	49
APR-SEP	44	59	69	133	79	94	52
Powder R at Moorhead							
APR-JUL	156	225	270	132	315	385	205
APR-SEP	177	245	295	128	345	415	230
Powder R nr Locate							
APR-JUL	175	255	310	132	365	445	235
APR-SEP	190	275	335	129	395	480	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	60.6	54.1	24.6

POWDER & TONGUE RIVER BASINS

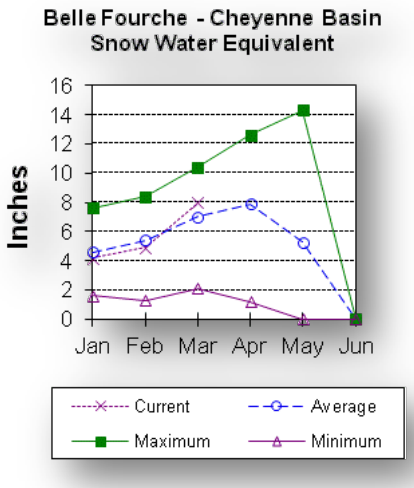
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	10	130	135
GOOSE CREEK	3	143	134
CLEAR CREEK	4	136	126
CRAZY WOMAN CREEK	3	108	120
UPPER POWDER RIVER	4	117	130
POWDER RIVER in WY	8	126	128

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 114% of average at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

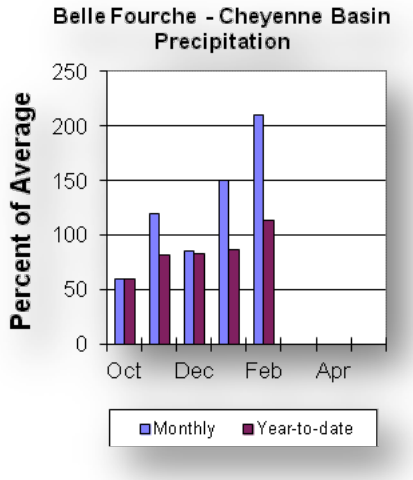


Precipitation

Precipitation for last month was 210% of average or 116% of last year in the Black Hills. There were 3 reporting stations. Monthly percentages range from 84-240%. Year-to-date precipitation is 113% of average and 67% of last year's amount. Yearly percentages range from 101-125% of average.

Reservoir

Current reservoir storage is about 120% of average in the basin. Angostura is currently storing 97% of average (98,200 ac-ft), about 80% of capacity. Belle Fourche reservoir is storing 116% of average (130,900 ac-ft), about 73% of capacity. Deerfield reservoir is storing 113% of average (14,900 ac-ft), about 98% of capacity. Keyhole reservoir is storing 161% of average (170,200 ac-ft), about 88% of capacity. Pactola reservoir is storing 113% of average (52,200 ac-ft), about 95% of capacity. Shadehill reservoir is storing 74% of average (37,000 ac-ft), about 45% 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 6,000 ac-ft (118% of average). Pactola Reservoir Inflow is expected to yield around 27,000 ac-ft (117% of average). See the following page for detailed runoff volumes.

Belle Fourche & Cheyenne River Basins

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Deerfield Reservoir Inflow (2)							
MAR-JUL	4.2	6.4	8.0	131	9.6	11.8	6.1
APR-JUL	3.4	4.8	6.0	118	7.3	9.4	5.1
Pactola Reservoir Inflow (2)							
MAR-JUL	13.2	24	31	119	38	49	26
APR-JUL	13.2	21	27	117	34	46	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 Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	98.2	108.9	101.7
BELLE FOURCHE	178.4	130.9	157.8	113.0
DEERFIELD	15.2	14.9	14.7	13.2
KEYHOLE	193.8	170.2	113.3	105.9
PACTOLA	55.0	52.2	52.9	46.0
SHADEHILL	81.4	37.0	53.3	50.0

BELLE FOURCHE & CHEYENNE RIVER BASINS

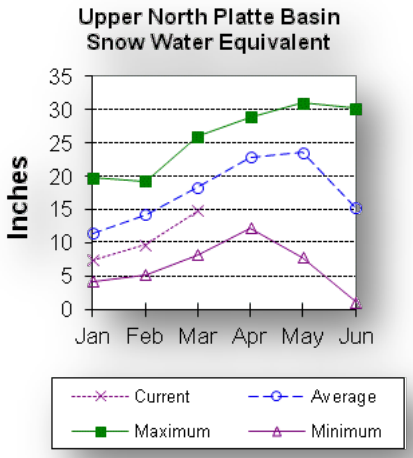
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	8	79	114

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 81% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 78% of average at this time. SWE in the Encampment River drainage is about 82% of average. Brush Creek SWE for the year is about 81% of average. Medicine Bow and Rock Creek drainages SWE are about 84% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

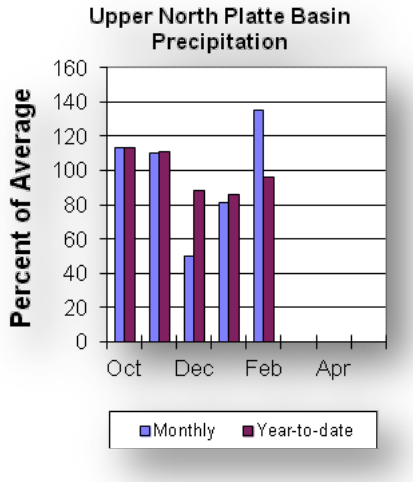


Precipitation

Eight reporting stations show last month's precipitation at 135% of average or 100% of last year's amount. Precipitation varied from 88-191% of average last month. Total water-year-to-date precipitation is about 96% of average for the basin, which is about 66% of last year's amount. Year to date percentage ranges from 83-142% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 845,200 ac-ft or 83% of capacity. Seminoe Reservoir is also storing about 160% of average for this time of the year and 107% 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 175,000 ac-ft (65% of average). The Encampment River near Encampment is 123,000 ac-ft (75% of average). Rock Creek near Arlington is 48,000 ac-ft (84% of average). The Sweetwater River near Alcova forecast is for 64,000 ac-ft (80% 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, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
North Platte R nr Northgate							
APR-JUL	47	113	158	65	205	270	245
APR-SEP	50	125	175	65	225	300	270
Encampment R nr Encampment							
APR-JUL	73	98	115	74	132	157	156
APR-SEP	78	105	123	75	141	168	165
Rock Ck nr Arlington							
APR-JUL	30	40	46	87	52	62	53
APR-SEP	31	41	48	84	55	65	57
Sweetwater R nr Alcova							
APR-JUL	30	47	59	80	71	88	74
APR-SEP	32	51	64	80	77	96	80
Seminoe Reservoir Inflow (2)							
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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	845.2	793.4	527.4

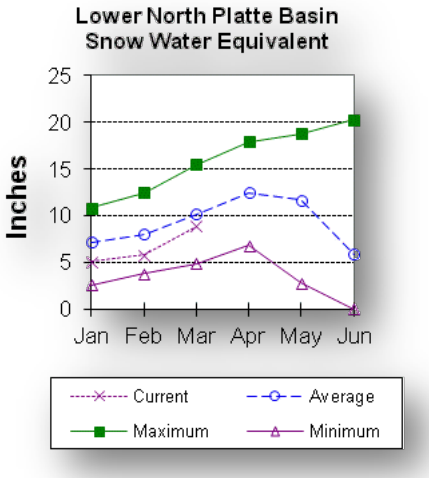
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	7	59	78
ENCAMPMENT RIVER	4	65	82
BRUSH CREEK	5	55	81
MEDICINE BOW & ROCK CREEKS	3	64	84
N PLATTE above Seminoe	19	61	81

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 87% of average. The Sweetwater drainage SWE is currently at 80% of average. Deer and LaPrele Creek SWE are at 124% of average. SWE for the North Platte above the Laramie River drainage is 83% of average. SWE for the Laramie River above Laramie is 94% of average. SWE for the Little Laramie River is 100% of average. The Laramie River above mouth, SWE is 96% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

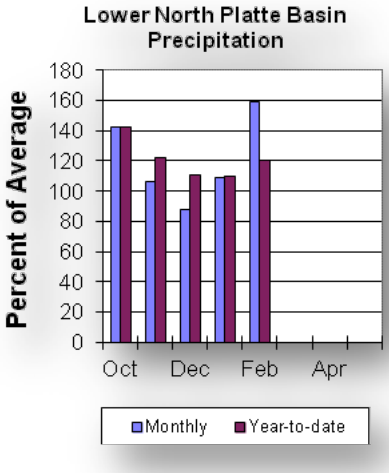


Precipitation

Last month's precipitation was 159% of average or 130% of last year's amount. Of the 8 reporting stations, percentages for the month range from 118-233%. The water year-to-date precipitation for the basin is currently 120% of average (91% of last year). Year-to-date percentages range from 84-154% of average.

Reservoir

The Lower North Platte River basin reservoir storage is average at 125%. Reservoir storage is as follows: Alcova 157,000 ac-ft (101% of average); Glendo 408,000 ac-ft (107% of average); Guernsey 15,400 ac-ft (108% of average); Pathfinder 799,400 ac-ft (112% of average); Seminoe 845,200 ac-ft (160% of average); and Wheatland #2 75,100 ac-ft (157% 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 64,000 ac-ft (80% of average). Deer Creek at Glenrock is forecast to yield 48,000 ac-ft (130% of average). LaPrele Creek above the reservoir is forecast to yield 28,000 ac-ft (117% of average). North Platte - Alcova to Orin Gain is forecast to yield 220,000 ac-ft (137% of average). North Platte River below Glendo Reservoir is 865,000 ac-ft (87% of average), and below Guernsey Reservoir is anticipated to yield around 895,000 ac-ft (89% of average). Laramie River near Woods Landing should yield around 126,000 ac-ft (93% of average). The Little Laramie near Filmore should produce about 49,000 ac-ft (77% of average). See the following table for more detailed information on projected runoff.

Lower North Platte, Sweetwater & Laramie River Basins

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Sweetwater R nr Alcova							
APR-JUL	30	47	59	80	71	88	74
APR-SEP	32	51	64	80	77	96	80
Deer Ck at Glenrock							
APR-JUL	10.2	33	48	130	63	86	37
APR-SEP	10.2	33	48	130	63	86	37
La Prele Ck ab La Prele Reservoir							
APR-JUL	9.1	20	28	117	36	47	24
APR-SEP	9.0	20	28	117	36	47	24
North Platte R-Alcova to Orin Gain							
APR-JUL	94	160	205	135	250	315	152
APR-SEP	104	173	220	137	265	335	161
North Platte R bl Glendo Res (2)							
APR-JUL	540	700	805	84	910	1070	960
APR-SEP	585	755	865	87	975	1140	990
North Platte R bl Guernsey Res (2)							
APR-JUL	290	485	820	85	755	950	970
APR-SEP	305	505	895	89	785	985	1010
Laramie R nr Woods							
APR-JUL	80	101	115	94	129	150	123
APR-SEP	87	110	126	93	142	165	135
Little Laramie R nr Filmore							
APR-JUL	25	37	45	76	53	65	59
APR-SEP	27	40	49	77	58	71	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 February

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	157.0	156.7	155.6
GLENDO	506.4	408.0	423.3	381.4
GUERNSEY	45.6	15.4	21.4	14.2
PATHFINDER	1016.5	799.4	845.9	712.4
SEMINOE	1016.7	845.2	793.4	527.4
WHEATLAND #2	98.9	75.1	56.8	47.7

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

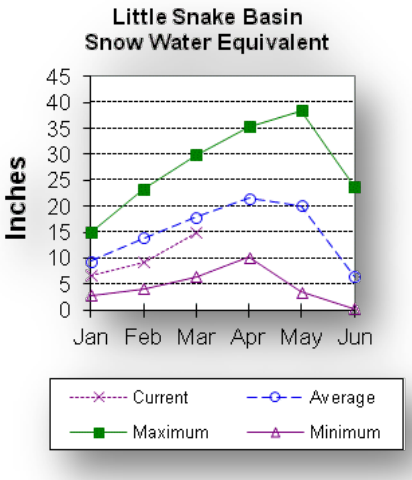
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	4	81	80
DEER & LaPRELE CREEKS	2	106	124
N PLATTE abv Laramie R.	25	65	83
LARAMIE RIVER abv Laramie	10	70	94
LITTLE LARAMIE RIVER	5	77	100
LARAMIE RIVER above mouth	13	71	96
NORTH PLATTE	31	67	87

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 83% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

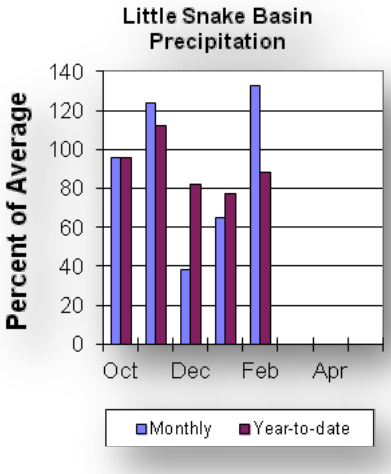


Precipitation

Precipitation across the basin was 133% of average (121% of last year) for the 5 reporting stations. Last month's precipitation ranged from 106-166% of average. The Little Snake River basin water-year-to-date precipitation is currently 88% of average (67% of last year). Year-to-date percentages range from 71-101% of average.

Reservoir

High Savery Dam - 11,835 ac-ft



Streamflow

The 50% exceedance forecast for the April through July time frame on the Little Snake River drainage is expected to be below average this year. The Little Snake River near Slater should yield around 130,000 ac-ft (82% of average). The Little Snake River at Savery is estimated to yield around 270,000 ac-ft (82% of average). See the following table for more detailed information on projected runoff.

Little Snake River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Little Snake R nr Slater (2)							
APR-JUL	89	113	130	82	149	178	159
Little Snake R nr Savery (2)							
APR-JUL	170	225	270	82	320	390	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

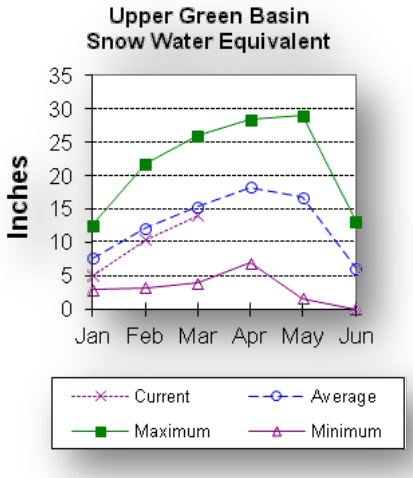
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	8	69	83

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 91% of average. SWE for the West Side of Upper Green River Basin is about 89% of average. Newfork River Basin SWE is now about 99% of average. Big Sandy-Eden Valley Basin is 85% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 91% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

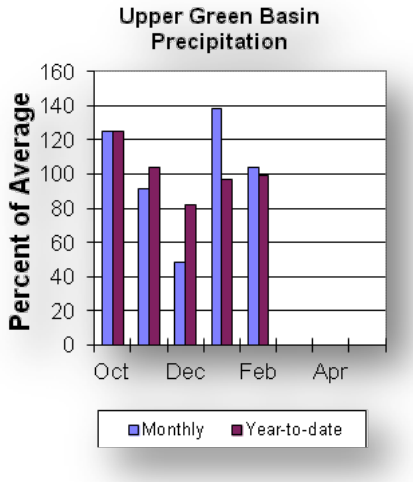


Precipitation

The 11 reporting precipitation sites in the basin were 104% of average last month (121% of last year). Last month's precipitation varied from 57-127% of average. Water year-to-date precipitation is about 99% of average (89% of last year). Year to date percentage of average ranges from 82-115% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 23,400 ac-ft or 61% of capacity. This is 123% of average. Fontenelle Reservoir is 125,300 ac-ft or 36% of capacity; 80% of average. This is 85% 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 250,000 ac-ft (94% of average). Pine Creek above Fremont Lake is 100,000 ac-ft (96% of average). New Fork River near Big Piney is 365,000 ac-ft (92% of average). Fontenelle Reservoir Inflow is estimated to be 730,000 ac-ft (85% of average), and Big Sandy near Farson is expected to be around 52,000 ac-ft (90% of average). See the following table for more detailed information on projected runoff.

Upper Green River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R at Warren Bridge							
APR-JUL	199	230	250	94	270	305	265
Pine Ck ab Fremont Lake							
APR-JUL	84	93	100	96	107	117	104
New Fork R nr Big Piney							
APR-JUL	265	320	365	92	410	485	395
Fontenelle Reservoir Inflow (2)							
APR-JUL	480	620	730	85	845	1040	860
Big Sandy R nr Farson							
APR-JUL	37	46	52	90	59	70	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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	23.4	18.5	19.1
FONTENELLE	344.8	125.3	157.6	156.1

UPPER GREEN RIVER BASIN

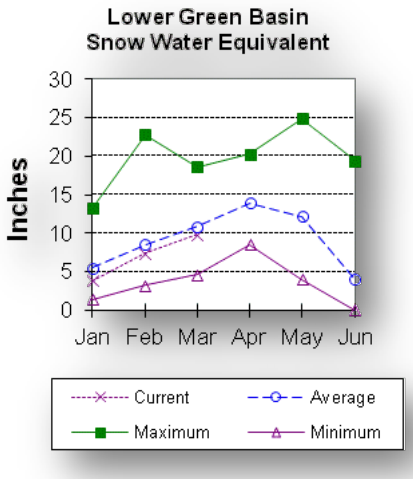
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	5	85	91
UPPER GREEN (West Side)	7	77	89
NEWFORK RIVER	3	103	99
BIG SANDY/EDEN VALLEY	2	93	85
GREEN above Fontenelle	14	83	91

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 90% of average. SWE in the Hams Fork Basin is 82% of average. Blacks Fork Basin SWE is currently 81% of average. In the Henrys Fork drainage SWE is 134%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

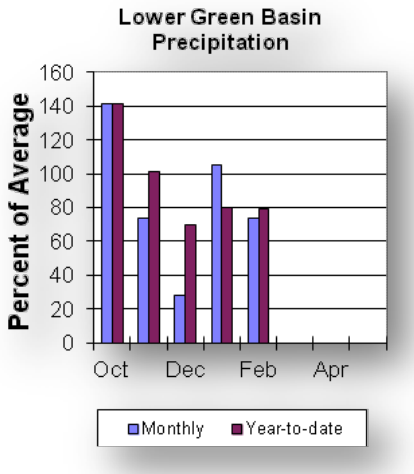


Precipitation

Precipitation for the 3 reporting stations during last month was at 74% of average or 89% of last year. Precipitation ranged from 60-95% of average for the month. The basin year-to-date precipitation is currently 79% of average (68% of last year). Year-to-date percentages range from 75-87% of average.

Reservoirs

Fontenelle Reservoir is currently storing 125,300 ac-ft; this is 80% of average (80% of last year). Flaming Gorge is currently storing 3,293,000 ac-ft; this is 113% of average (106% of last year). Viva Naughton is currently storing 28,600 ac-ft, 98% of average or 67% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Lower Green River Basin are forecast to be below average. The Green River near Green River is forecast to yield about 745,000 ac-ft (85% of average). The Blacks Fork near Robertson is forecast to yield 74,000 ac-ft (78% of average). East Fork of Smiths Fork near Robertson is forecast to yield 22,000 ac-ft (76% of average). Hams Fork below Pole Creek near Frontier is forecast to be 45,000 ac-ft (69% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 59,000 ac-ft (66% of average). The Flaming Gorge Reservoir inflow will be about 945,000 ac-ft (79% of average). See the following table for more detailed information on projected runoff.

Lower Green River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R nr Green River, WY (2)							
APR-JUL	480	640	745	85	850	1010	875
Blacks Fk nr Robertson							
APR-JUL	49	63	74	78	86	104	95
EF of Smiths Fork nr Robertson (2)							
APR-JUL	13.4	18.3	22	76	26	33	29
Hams Fk bl Pole Ck nr Frontier							
APR-JUL	28	38	45	69	53	66	65
Viva Naughton Reservoir Inflow (2)							
APR-JUL	30	45	59	66	73	94	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	585	790	945	79	1120	1390	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 Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	125.3	157.6	156.1
FLAMING GORGE	3749.0	3293.0	3104.0	2919.0
VIVA NAUGHTON RES	42.4	28.6	29.9	29.1

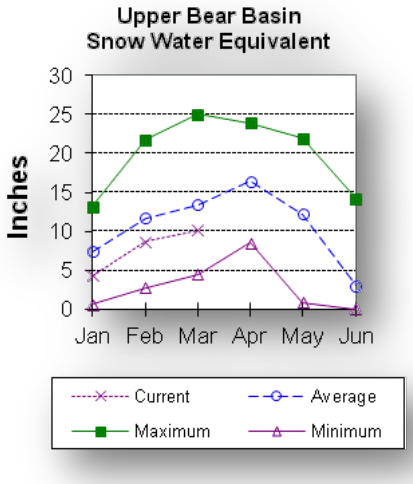
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	4	68	82
BLACKS FORK	4	73	81
HENRYS FORK	2	116	133
GREEN above Flaming Gorge	24	83	90

Upper Bear River Basin

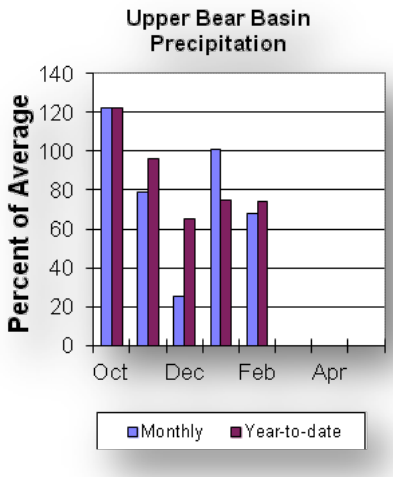
Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 71% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is at 81% of average. Bear River Basin SWE, above the Idaho State line, is 76% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 68% of average for the 2 reporting stations; this is 79% of the precipitation received last year. The year-to-date precipitation, for the basin, is 74% of average; this is 64% of last year's amount.



Reservoir

Storage in Woodruff Narrows reservoir is 49,000 ac-ft (178% of average). Current reservoir storage is about 86% 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 90,000 ac-ft (72% of average). The Bear River above Reservoir near Woodruff is 81,000 ac-ft (57% of average). The Smiths Fork River near Border is 86,000 ac-ft (71% of average). See the following table for more detailed information on projected runoff.

Upper Bear River Basin

Streamflow Forecasts - March 1, 2012

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Bear R nr UT-WY State Line							
APR-JUL	50	69	82	73	95	114	113
APR-SEP	53	75	90	72	105	127	125
Bear R ab Res nr Woodruff							
APR-JUL	31	59	78	57	97	125	136
APR-SEP	33	61	81	57	101	129	142
Smiths Fk nr Border							
APR-JUL	38	54	65	63	76	92	103
APR-SEP	55	73	86	71	99	117	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

Reservoir	Usable Capacity	********** This Year	Usable Storage ********* Last Year	Average
WOODRUFF NARROWS	57.3	49.0	45.0	27.6

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - March 1, 2012

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	6	52	71
SMITHS & THOMAS FORKS	4	68	81
BEAR RIVER abv ID line	8	59	76
NORTHWEST	75	93	98
NORTHEST	22	115	127
SOUTHEAST	35	68	87
SOUTHWEST	33	76	86

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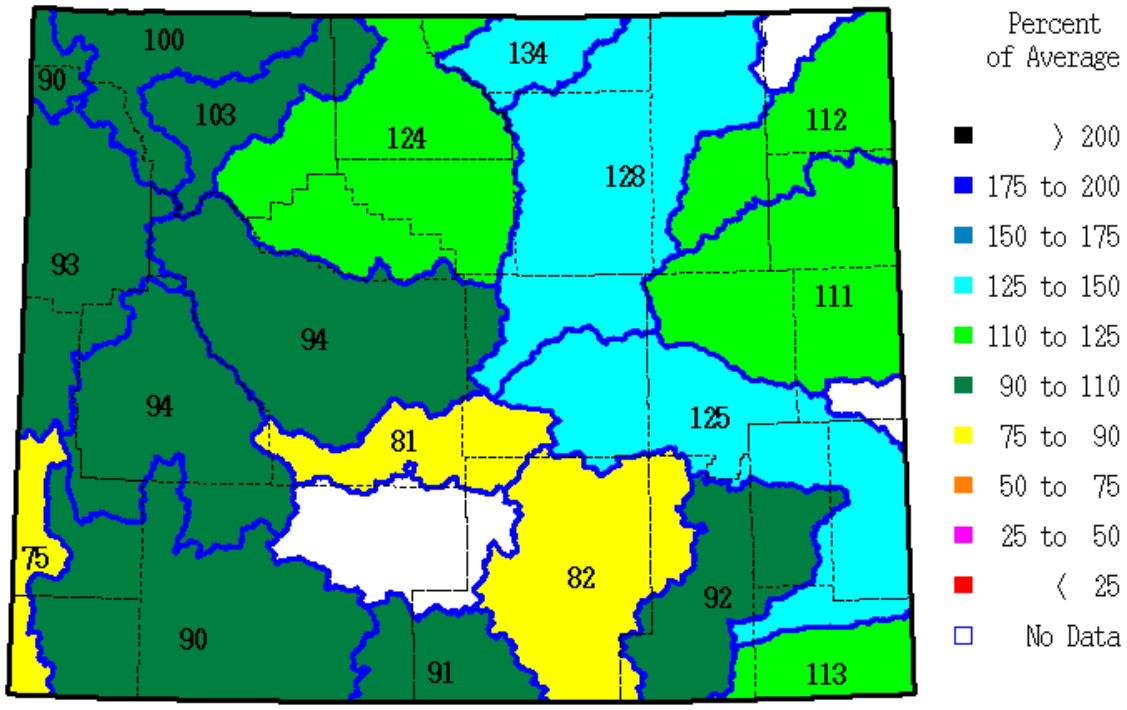
SWE % of Average as of Wednesday, 07 March 2012



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

Wyoming
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