

Wyoming Basin Outlook Report

April 1, 2013



Cole Canyon SNOTEL (Black Hills)

Basin Outlook Reports

And

Federal - State - Private

Cooperative Snow Surveys

For more water supply and resource management information, contact:

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

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Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is below normal for April 1st at 82%. Monthly precipitation for the basins varied from 57-113% of average. Year-to-date precipitation for Wyoming basins varies from 57-113% of average. Forecasted runoff varies from 34-105% of average across the Wyoming basins for an overall average of 67%. Basin reservoir levels for Wyoming vary from 31-167% of average for an overall average of 98%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below normal for this time of year at 82%. SWE in the NW portion of Wyoming is now about 88% of normal (87% of last year). NE Wyoming SWE is currently about 95% of normal (103% of last year). The SE Wyoming SWE is currently about 77% of normal (119% of last year). The SW Wyoming SWE is about 75% of normal (104% of last year).

Precipitation

Last month's precipitation was below average across Wyoming. The Cheyenne Basin had the highest precipitation for the month at 113% of average. The Tongue & Lower North Platte Basins had the lowest precipitation amount at 57% 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	-11%	Upper North Platte River	-23%
Madison-Gallatin	-34%	Sweetwater River	-31%
Yellowstone	-23%	Lower North Platte	-43%
Wind River	-35%	Laramie River	-20%
Bighorn	-24%	South Platte	-23%
Shoshone	-15%	Little Snake River	-29%
Powder River	-27%	Upper Green River	-29%
Tongue River	-43%	Lower Green River	-32%
Belle Fourche	-28%	Upper Bear River	-38%
Cheyenne	+13%		

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 67% (varying from 34-95% of average). The Snake River and Madison River Basins are expected to yield about 74% and 88% of average, respectively; 66-88% of average for the various forecast points in the basins. Yields from the Yellowstone and Clark's Fork are expected to be 88% and 88% respectively. Yields from the Wind and Bighorn River Basins are expected to be about 52% and 57% of average; varying from 39-89% of average in the basins. Yield from the Shoshone River Basin of Wyoming is expected to yield about 87%, varying from 80-89% of average. Yields from the Powder & Tongue River Basins are expected to be about 84% and 65% of average, respectively; varying from 65-105% of average. Yield for the Cheyenne River Basin is expected to be about 96% of average. Yields for the Upper N. Platte, Sweetwater, Lower N. Platte and Laramie Rivers of Wyoming are expected to be about 46%, 38%, 34%, and 66% of average, respectively; varying from 34-67% of average. Yields for the Little Snake, Green River, and Little

Bear of Wyoming are expected to be 42%, 51%, and 53% of average respectively; yield estimates vary from 39-75% of average.

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 98% of average for the entire state. Reservoirs in the Wind River Basin are average at 100%. Reservoirs on the Big Horn are above average at 106%. The Buffalo Bill Reservoir on the Shoshone is above average at 123%. Reservoirs in the northeast are below average in storage at 96%. Reservoirs on the North Platte River are below average at 85%. Reservoirs above Flaming Gorge on the Green River are near average at 99%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming April 1, 2013

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	86	86	99	99
ANGOSTURA	62	88	90	68	70
BELLE FOURCHE	66	85	73	90	77
BIG SANDY	22	64	52	43	34
BIGHORN LAKE	64	63	58	110	101
BOYSEN	82	101	82	100	81
BUFFALO BILL	66	70	54	123	95
BULL LAKE	51	62	50	103	82
DEERFIELD	99	100	89	112	99
ENNIS LAKE			NO REPORT		
FLAMING GORGE	80	86	81	99	92
FONTENELLE	37	36	35	105	105
GLENDON	65	91	77	84	71
Grassy Lake	86	82	81	106	104
GUERNSEY	15	39	44	34	38
HEBGEN LAKE	73	60	72	102	121
Jackson Lake	74	76	51	146	97
KEYHOLE	78	97	50	155	80
PACTOLA	91	97	85	107	94
Palisades	50	81	64	77	62
PATHFINDER	42	84	59	70	49
PILOT BUTTE	78	79	78	99	98
SEMINOE	48	83	47	101	58
SHADEHILL	45	50	78	58	90
TONGUE RIVER	68	69	41	167	99
VIVA NAUGHTON RES	55	69	64	86	80
WHEATLAND #2			AVERAGE NOT ESTABLISHED		
WOODRUFF NARROWS	21	100	67	31	21
TOTAL 26 RESERVOIRS	65	80	66	98	82
Raw KAF Totals Current=8558 Last Year=10455 Average=8716 Capacity=13148					

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

APRIL 2013

SNOW SITE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	NORMAL 81-10

WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	3/28/13	32	8.1	8.5	12.2
ARAPAHO RIDGE SNTL	10960	4/01/13	56	17.6	14.9	--
ASTER CREEK	7750	3/27/13	69	24.3	28.2	25.7
BALD MOUNTAIN SNOTEL	9380	4/01/13	53	14.0	20.5	18.6
BASE CAMP	7030	3/28/13	51	16.1	20.1	17.0
BASE CAMP SNOTEL	7030	4/01/13	---	14.9	18.2	14.8
BATTLE MTN. SNOTEL	7440	4/01/13	17	6.6	3.1	10.6
BEARLODGE DIVIDE	4680	3/28/13	4	1.9	.0	.0
BEARTOOTH LK. SNOTEL	9280	4/01/13	57	15.9	24.7	21.0
BEAR RIVER RS SNOTEL	8780	4/01/13	17	6.8	1.0	--
BEAR TRAP SNOTEL	8200	4/01/13	29	8.3	4.9	5.1
BIG GOOSE SNOTEL	7760	4/01/13	26	6.7	7.8	8.9
BIG PARK	8620	3/29/13	44	14.3	15.8	16.8
BIG SANDY SNOTEL	9080	4/01/13	38	9.6	13.5	12.3
BLACK BEAR SNOTEL	7950	4/01/13	91	33.7	41.3	36.3
BLACK'S FORK JUNCTN	8930	3/28/13	28	7.2	4.0	8.3
BLACKS FORK JCT SNT	8870	4/01/13	17	6.1	2.0	--
BLACKHALL MTN SNOTEL	9820	4/01/13	70	22.9	--	--
BLACKWATER SNOTEL	9780	4/01/13	66	20.5	24.6	22.1
BLIND BULL SNOTEL	8900	4/01/13	60	17.8	22.9	22.4
BLIND PARK SNOTEL	6870	4/01/13	19	6.2	.0	7.2
BLUE RIDGE	9620	3/26/13	28	6.7	--	10.0
BONE SPGS. SNOTEL	9350	4/01/13	48	13.2	18.8	15.9
BROOKLYN LK. SNOTEL	10220	4/01/13	53	15.9	15.6	20.0
BUCK PASTURE SNOTEL	9700	4/01/13	37	11.6	--	--
BUG LAKE SNOTEL	7950	4/01/13	35	11.9	14.1	18.1
BURGESS JCT. SNOTEL	7880	4/01/13	36	9.6	11.2	11.3
BURROUGHS CRK SNOTEL	8750	4/01/13	40	10.4	13.9	13.0
BUTTER HILL	7880	3/26/13	36	10.1	9.3	12.6
BURT'S-MILLER RANCH	7900	3/27/13	10	3.6	1.8	4.4
BURTS-MILLER RANCH S	7860	4/01/13	10	4.8	.4	6.8
CAMERON PASS	10300	3/28/13	63	20.4	13.5	25.1
CANYON SNOTEL	8090	4/01/13	38	10.6	12.4	12.3
CASPER MTN. SNOTEL	7850	4/01/13	31	9.5	15.8	13.4
CASTLE CREEK SNOTEL	8400	4/01/13	18	5.5	5.6	--
CASTLE CREEK	8400	3/28/13	15	4.3	3.0	3.6
CCC CAMP	7000	3/27/13	32	9.6	8.7	11.0
CHALK CK #1 SNOTEL	9100	4/01/13	48	16.3	14.1	23.4
CHAMBERS LAKE	9000	3/28/13	20	5.8	.4	6.6
CINNABAR PARK SNOTEL	9690	4/01/13	46	13.6	12.7	20.0
CLOUD PEAK SNOTEL	9850	4/01/13	42	11.5	13.4	14.1
COLE CANYON SNOTEL	5910	4/01/13	13	4.4	.0	5.8
COLD SPRINGS SNOTEL	9630	4/01/13	25	6.5	5.4	7.1
COLUMBINE SNOTEL	9300	4/01/13	52	19.6	12.0	22.8
COTTONWOOD CR SNOTEL	7700	4/01/13	---	16.4	18.2	21.2
CROW CREEK SNOTEL	8830	4/01/13	14	4.9	2.7	6.8
DARBY CANYON	8250	3/27/13	60	19.8	20.6	22.4
DEADMAN HILL SNOTEL	10200	4/01/13	50	13.1	15.4	15.6
DEEP LAKE	10500	3/27/13	87	27.2	28.7	--
DEEP LAKE	10500	3/27/13	87	27.2	28.7	--
DEER PARK SNOTEL	9700	4/01/13	33	11.2	10.7	14.7
DIVIDE PEAK SNOTEL	8860	4/01/13	36	14.1	10.2	19.5

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
DITCH CREEK	6870	3/26/13	11	2.4	--	3.6
DOME LAKE SNOTEL	8880	4/01/13	38	8.6	12.0	11.5
DU NOIR	8760	3/29/13	22	5.1	4.3	6.2
EF BLACKS FORK GS SN	9360	4/01/13	38	11.8	5.4	--
EAST RIM DIV SNOTEL	7930	4/01/13	29	8.7	9.2	10.0
ELBO RANCH	7100	4/01/13	31	8.7	9.2	10.2
ELKHART PARK SNOTEL	9400	4/01/13	---	9.0	13.9	12.1
ELK RIVER SNOTEL	8600	4/01/13	36	13.0	7.8	18.5
EVENING STAR SNOTEL	9200	4/01/13	67	22.9	29.7	23.9
FISHER CREEK SNOTEL	9100	4/01/13	82	29.4	36.6	30.1
FOUR MILE MEADOWS	7860	3/28/13	39	10.9	9.1	11.2
FOXPARK	9060	3/28/13	18	4.5	2.2	7.6
GEYSER CREEK	8500	3/29/13	13	3.6	5.6	5.1
GLADE CREEK	7040	3/26/13	66	19.9	22.1	21.2
GRAND TARGHEE SNOTEL	9260	4/01/13	97	35.0	37.5	36.5
GRANITE CRK SNOTEL	6770	4/01/13	42	11.6	13.5	14.9
GRANNIER MEADOWS	8860	3/26/13	33	6.8	--	11.1
GRASSY LAKE	7270	3/26/13	74	24.5	33.3	30.6
GRASSY LAKE SNOTEL	7270	4/01/13	72	27.1	33.3	31.6
GRAVE SPRINGS SNOTEL	8550	4/01/13	27	7.1	7.3	8.9
GROS VENTRE SNOTEL	8750	4/01/13	34	9.6	9.1	12.9
GROVER PARK DIVIDE	7000	3/27/13	25	7.6	6.8	9.5
GUNSIGHT PASS SNOTEL	9820	4/01/13	38	10.7	12.5	13.4
HAIRPIN TURN	9480	3/27/13	40	10.7	10.2	13.4
HANSEN S.M. SNOTEL	8360	4/01/13	22	5.9	1.2	6.3
HAMS FORK SNOTEL	7840	4/01/13	20	7.7	7.2	10.8
HASKINS CREEK	8980	3/28/13	64	21.2	22.0	27.7
HOBACK GS	6640	3/25/13	24	7.4	7.9	8.5
HOBBS PARK SNOTEL	10100	4/01/13	39	10.6	13.2	13.4
HUCKLEBERRY DIVIDE	7300	3/26/13	58	18.3	19.6	18.5
INDIAN CREEK SNOTEL	9430	4/01/13	---	17.3	19.7	23.9
JACKPINE CREEK	7350	3/27/13	53	17.1	22.0	20.3
JOE WRIGHT SNOTEL	10000	4/01/13	48	14.9	10.6	20.2
KELLEY R.S. SNOTEL	8180	4/01/13	38	11.0	12.7	14.9
KENDALL R.S. SNOTEL	7740	4/01/13	27	8.3	12.5	11.4
LAKE CAMP	7780	3/29/13	24	7.0	9.5	8.8
LA PRELE SNOTEL	8380	4/01/13	18	5.4	6.2	9.5
LARSEN CREEK SNOTEL	9020	4/01/13	15	5.7	9.6	--
LEWIS LAKE DIVIDE	7850	3/27/13	88	34.5	40.5	37.5
LEWIS LAKE SNOTEL	7850	4/01/13	73	27.8	33.0	29.5
LIBBY LODGE	8750	3/27/13	33	8.4	7.1	9.6
LITTLE BEAR RUN	6240	3/26/13	12	3.6	--	2.4
LITTLE GOOSE SNOTEL	8870	4/01/13	29	7.6	7.6	--
LITTLE SNAKE RIVER	8920	4/01/13	52	18.9	13.8	23.2
LITTLE WARM SNOTEL	9370	4/01/13	36	9.1	7.9	10.2
LOOMIS PARK SNOTEL	8240	4/01/13	---	10.6	12.6	14.3
LUPINE CREEK	7380	3/28/13	24	7.0	4.1	7.4
MADISON PLT SNOTEL	7750	4/01/13	59	20.0	25.6	21.3
MALLO	6420	3/26/13	25	8.6	--	5.9
MARQUETTE SNOTEL	8760	4/01/13	23	6.1	7.9	--
MEDICINE LODGE LAKES	9340	3/25/13	41	9.6	13.1	10.2
MIDDLE FORK	7420	3/26/13	18	3.6	4.6	5.0
MIDDLE POWDER SNOTEL	7760	4/01/13	42	10.9	9.4	11.4
MORAN	6750	3/27/13	29	8.6	10.0	10.6
MOSS LAKE	9800	3/27/13	59	19.6	13.1	19.9
MOUNT TOM	5560	3/28/13	12	3.4	--	2.9
NEVER SUMMER SNOTEL	10280	4/01/13	52	13.0	12.5	--

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
NEW FORK SNOTEL	8340	4/01/13	23	7.2	10.0	10.3
NORRIS BASIN	7500	3/29/13	24	7.0	8.3	8.8
N.E. ENTRANCE SNOTEL	7350	4/01/13	19	6.4	8.0	9.6
NORTH BARRETT CREEK	9400	3/27/13	54	17.0	12.0	20.9
NORTH FRENCH SNOTEL	10130	4/01/13	64	20.6	17.7	28.0
NORTH RAPID CK SNTL	6130	4/01/13	22	6.7	.0	6.7
NORTH TONGUE	8450	3/25/13	36	8.7	13.1	11.6
OLD BATTLE SNOTEL	9920	4/01/13	69	23.2	22.4	29.6
OLD FAITHFUL	7400	3/27/13	39	12.3	11.9	11.6
ONION GULCH	8780	3/26/13	34	7.7	9.5	6.6
OWL CREEK SNOTEL	8980	4/01/13	20	5.4	1.2	5.5
PARKERS PEAK SNOTEL	9400	4/01/13	60	19.5	23.9	18.8
PHILLIPS BNCH SNOTEL	8200	4/01/13	63	21.2	24.2	24.2
POCKET CREEK SNOTEL	9350	4/01/13	38	7.0	9.8	--
POLE MOUNTAIN	8700	3/28/13	24	7.5	5.5	7.6
POWDER RVR.PASS SNTL	9480	4/01/13	39	10.8	10.5	10.0
PURGATORY GULCH	8970	3/26/13	35	9.5	6.4	11.4
RANGER CREEK	8120	3/25/13	32	7.3	9.9	7.8
RAWAH SNOTEL	9020	4/01/13	30	9.7	3.1	--
RENO HILL SNOTEL	8500	4/01/13	35	9.8	13.6	13.2
REUTER CANYON	6280	3/28/13	22	7.3	.0	7.8
ROACH SNOTEL	9400	4/01/13	41	11.9	11.5	15.6
ROWDY CREEK	8300	3/25/13	48	13.5	17.0	17.8
RYAN PARK	8400	3/27/13	34	9.1	2.6	9.8
SAGE CK BASIN SNTL	7850	4/01/13	37	8.7	4.7	12.7
SALT RIVER SNOTEL	7600	4/01/13	33	9.3	9.4	12.9
SAND LAKE SNOTEL	10050	4/01/13	72	21.0	22.7	27.5
SANDSTONE RS SNOTEL	8150	4/01/13	28	8.3	4.9	13.1
SAWMILL DIVIDE	9260	3/27/13	42	11.3	15.2	11.7
SHELL CREEK SNOTEL	9580	4/01/13	53	13.0	18.0	14.5
SHERIDAN R.S.	7750	3/28/13	14	3.5	2.2	4.8
SNAKE RIVER STATION	6920	3/27/13	50	15.3	18.2	18.1
SNAKE RV STA SNOTEL	6920	4/01/13	41	14.5	16.0	15.5
SNIDER BASIN SNOTEL	8060	4/01/13	27	8.9	11.6	12.2
SOLDIER PARK SNOTEL	8780	4/01/13	16	4.5	8.9	--
SOLDIER PARK	8780	3/28/13	19	3.9	--	4.6
SOUR DOUGH	8460	3/28/13	30	6.4	--	6.4
SOUTH BRUSH SNOTEL	8440	4/01/13	25	8.1	2.4	12.2
SOUTH PASS SNOTEL	9040	4/01/13	37	9.9	12.8	14.9
SPRING CRK. SNOTEL	9000	4/01/13	66	20.0	22.8	22.5
STILLWATER CAMP	8550	3/27/13	21	5.9	2.0	9.6
ST LAWRENCE ALT SNTL	8620	4/01/13	10	3.7	.0	6.8
SUCKER CREEK SNOTEL	8880	4/01/13	40	11.2	11.4	11.4
SYLVAN LAKE SNOTEL	8420	4/01/13	49	16.2	18.3	19.2
SYLVAN ROAD SNOTEL	7120	4/01/13	20	7.4	8.7	11.1
T CROSS RANCH	7900	3/28/13	14	4.2	4.6	5.7
TETON PASS W.S.	7740	3/29/13	54	19.0	24.8	25.3
THUMB DIVIDE	7980	3/27/13	46	13.5	14.9	14.8
THUMB DIVIDE SNOTEL	7980	4/01/13	44	15.1	17.0	14.9
TIE CREEK SNOTEL	6870	4/01/13	14	5.0	.0	5.4
TIMBER CREEK SNOTEL	7950	4/01/13	13	3.8	.0	4.8
TOGWOTEE PASS	9580	3/28/13	65	21.7	22.6	26.3
TOGWOTEE PASS SNOTEL	9580	4/01/13	63	19.5	21.9	21.6
TOWER SNOTEL	10000	4/01/13	91	28.3	28.1	44.0
TOWNSEND CRK SNOTEL	8700	4/01/13	23	5.5	6.5	9.0
TRIPLE PEAK SNOTEL	8500	4/01/13	55	17.8	20.1	21.7
TURPIN MEADOWS	6900	3/28/13	30	9.1	9.0	9.0

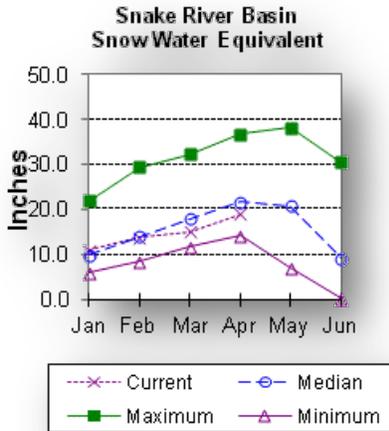
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
TWENTY-ONE MILE	7150	3/31/13	40	12.8	15.0	14.7
TWO OCEAN SNOTEL	9240	4/01/13	74	26.3	33.3	25.6
TYRELL RANGER STA.	8300	3/26/13	31	7.0	9.2	5.9
WEBBER SPRING SNOTEL	9250	4/01/13	51	18.1	14.2	23.0
WHISKEY PARK SNOTEL	8950	4/01/13	57	21.5	16.8	25.8
WHITE MILL SNOTEL	8700	4/01/13	55	20.3	23.4	21.6
WILLOW CREEK SNOTEL	8450	4/01/13	65	23.6	24.2	27.8
WINDY PEAK SNOTEL	7900	4/01/13	---	3.9	4.4	7.8
WOLVERINE SNOTEL	7650	4/01/13	25	8.3	9.0	9.1
WOOD ROCK G.S.	8440	3/27/13	32	7.8	10.5	9.1
YOUNTS PEAK SNOTEL	8350	4/01/13	42	11.9	16.0	14.1
ZIRKEL SNOTEL	9340	4/01/13	52	21.7	17.3	--

NOTE: Missing snow depth entries indicate the site has no snow depth sensor or the sensor is malfunctioning. Missing data under MEDIAN 81-10 indicates the site is relatively new.

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is 88% of normal. SWE in the Snake River Basin above Jackson Lake is 94% of normal. Pacific Creek Basin SWE is 98% of normal. SWE in the Buffalo Fork basin is 92% of normal. Gros Ventre River Basin SWE is 83% of normal. SWE in the Hoback River drainage is 82% of normal. SWE in the Greys River drainage is 83% of normal. In the Salt River area SWE is 81% of normal. 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 89% of average (91% of last year). Last month's percentages range from 0-133% of average for the 26 reporting stations. Water-year-to-date precipitation is 88% of average for the Snake River Basin (76% of last year). Year-to-date percentages range from 70-105% of average.

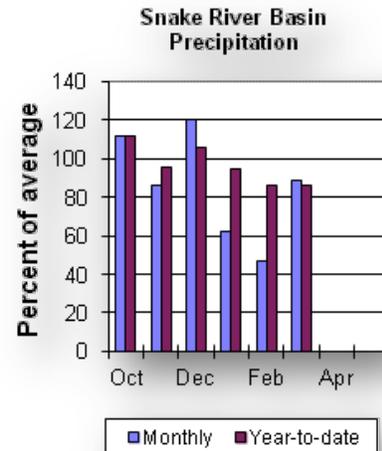
Reservoirs

Current reservoir storage is 100% of average for the 3 storage reservoirs in the basin.

Grassy Lake storage is about 106% of average (13,000 ac-ft compared to 12,500 last year). Jackson Lake storage is 146% of average (628,900 ac-ft compared to 431,000 last year). Palisades Reservoir storage is about 77% of average (698,400 ac-ft compared to 900,000 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 710,000 ac-ft (84% of average). Snake River above reservoir near Alpine is 1,880,000 ac-ft (75% of average). The Snake near Irwin is 2,610,000 ac-ft (75% of average). The Snake near Heise is 2,810,000 ac-ft (74% of average). Pacific Creek near Moran is 145,000 ac-ft (84% of average). Buffalo Fork above Lava near Moran is 275,000 ac-ft (86% of average). Greys River above Palisades Reservoir is 270,000 ac-ft (75% of average). Salt River near Etna is 245,000 ac-ft (66% of average). See the following page for detailed runoff volumes.



Snake River Basin

Streamflow Forecasts - April 1, 2013

Forecast Pt	<=== Drier === Future Conditions === Wetter ===>						30 Yr Avg
Forecast	Chance of Exceeding *						(1000AF)
Period	90%	70%	50%	30%	10%	10%	(1000AF)
	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
Snake R nr Moran (1,2)							
APR-JUL	505	600	645	84	690	785	765
APR-SEP	545	660	710	84	760	875	845
Snake R nr Alpine (1,2)							
APR-JUL	1310	1530	1630	75	1730	1950	2170
APR-SEP	1470	1750	1880	75	2010	2290	2500
Snake R nr Irwin (1,2)							
APR-JUL	1770	2090	2240	74	2390	2710	3010
APR-SEP	2070	2440	2610	75	2780	3150	3500
Snake R nr Heise (2)							
APR-JUL	2380	2390	2390	74	2390	2400	3240
APR-SEP	2340	2620	2810	74	3000	3280	3780
Pacific Ck At Moran							
APR-JUL	97	121	138	84	155	179	164
APR-SEP	103	128	145	84	162	187	173
Buffalo Fork ab Lava nr Moran							
APR-JUL	195	225	245	88	265	295	280
APR-SEP	215	250	275	86	300	335	320
Greys R Nr Alpine							
APR-JUL	182	210	230	75	250	280	305
APR-SEP	210	245	270	75	295	330	360
Salt R Nr Etna							
APR-JUL	98	159	200	67	240	300	300
APR-SEP	115	192	245	66	300	375	370

* 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 1981-2010 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	***** This Year	***** Usable Storage Last Year	***** Average
Grassy Lake	15.2	13.0	12.5	12.3
Jackson Lake	847.0	628.9	647.2	430.7
Palisades	1400.0	698.4	1132.7	902.8

SNAKE RIVER BASIN

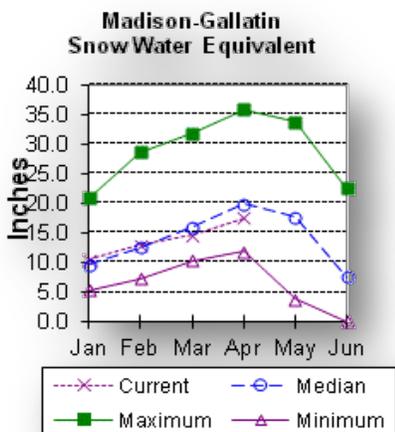
Watershed Snowpack Analysis - April 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Percent of Median
SNAKE above Jackson Lake	9	86	94
PACIFIC CREEK	3	81	98
BUFFALO FORK	4	92	92
GROS VENTRE RIVER	4	92	83
HOBACK RIVER	4	85	82
GREYS RIVER	5	88	83
SALT RIVER	5	99	81
SNAKE above Palisades	30	88	88

Madison-Gallatin River Basins

Snow

Snow water equivalent (SWE) is at 88% of normal in the Madison-Gallatin drainage. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month precipitation in the Madison-Gallatin drainage was about 76% of average (38% of last year). The 6 reporting stations percentages range from 68-91% of average. Water-year-to-date precipitation is about 88% of average (76% of last year's amount). Year to date percentage ranges from 76-94%.

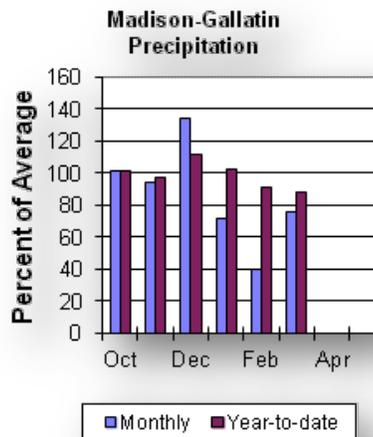
Reservoirs

Ennis Lake is NO REPORT. Hebgen Lake is storing about 276,400 ac-ft of water (73% of capacity, 102% of average or 121% 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 forecast for April through September is below average for the basin. Hebgen Reservoir inflow is 415,000 ac-ft (88% of average). See the following page for detailed runoff volumes.



Madison-Gallatin River Basins

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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)
=====
Hebgen Reservoir Inflow (2)
APR-JUL     275    305    | 325    88    | 345    375    | 370
APR-SEP     355    390    | 415    88    | 440    475    | 470
=====

```

* 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 1981-2010 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.

```

=====
MADISON-GALLATIN RIVER BASINS
Reservoir Storage (1000AF) End of March
=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity          This Year          Last Year          Average
=====
ENNIS LAKE         41.0            28.5            29.6            29.5
HEBGEN LAKE        377.5           276.4           227.8           270.4
=====

```

```

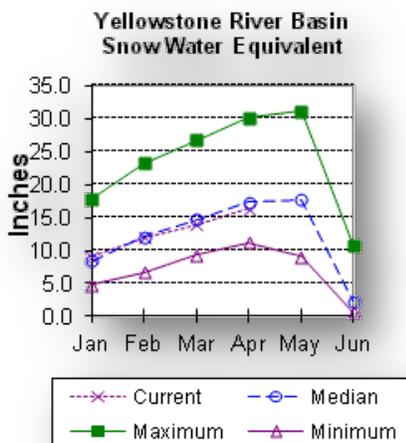
=====
MADISON-GALLATIN RIVER BASINS
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Median
=====
MADISON RIVER in WY          8            82            88
=====

```

Yellowstone River Basin

Snow

SWE in the Yellowstone drainage is at 94% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

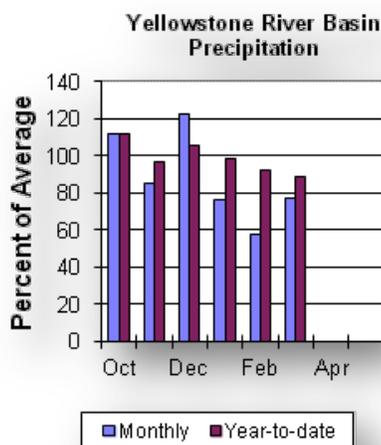
Last month precipitation in the Yellowstone drainage was about 77% of average (68% of last year). The 15 reporting stations percentages range from 28-134% of average. Water-year-to-date precipitation is about 89% of average (80% of last year's amount). Year to date percentage ranges from 56-124%.

Reservoirs

No reservoir data for the basin.

Streamflow

The 50% exceedance forecasts for April through September are below average for the basin. Yellowstone at Lake Outlet is 640,000 ac-ft (83% of average). Yellowstone at Corwin Springs will yield around 1,640,000 ac-ft (87% of average). Yellowstone near Livingston will yield around 1,880,000 ac-ft (88% of average). The Clark's Fork of the Yellowstone River should yield around 485,000 ac-ft (88% of average). See the following page for detailed runoff volumes.



Yellowstone River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt | ===== Chance of Exceeding * ===== |
Forecast    | 90%      70%      | 50%      | 30%      10%      | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)|(1000AF) (1000AF)| (1000AF)
=====
Yellowstone R at Yellowstone Lake
APR-JUL     395      450      490      85      530      585      575
APR-SEP     515      590      640      83      690      765      770
Yellowstone R at Corwin Springs
APR-JUL     1120     1290     1400     88      1510     1680     1590
APR-SEP     1290     1500     1640     87      1780     1990     1880
Yellowstone R at Livingston
APR-JUL     1240     1450     1600     89      1750     1960     1800
APR-SEP     1450     1710     1880     88      2050     2310     2140
=====

```

* 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 1981-2010 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.

YELLOWSTONE RIVER BASIN

Watershed Snowpack Analysis - April 1, 2013

```

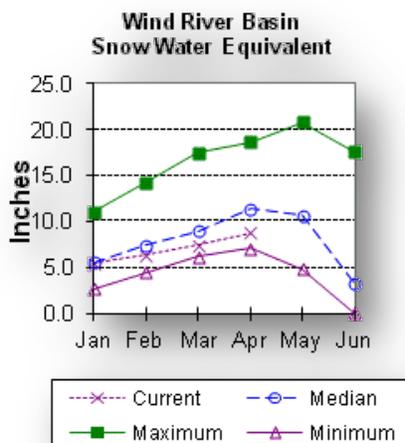
=====
Watershed                Number of          This Year as Percent of
                          Data Sites        Last Year          Median
=====
YELLOWSTONE RIVER in WY          11                83                94
CLARKS FORK in WY                8                 80                90
=====

```

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 77% of normal for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 83% of normal. The Little Wind SWE is 71% of normal, and the Popo Agie drainage SWE is about 70% of normal. 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 5-115% of average. Precipitation, for the basin, was about 65% of average from the 14 reporting stations; that is about 137% of last year's amount. Water year-to-date precipitation is 76% of average and about 78% of last year at this time. Year-to-date percentages range from 56-129% of average.

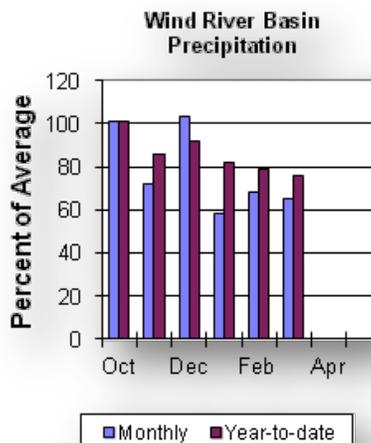
Reservoirs

Current storage in Bull Lake is about 77,400 ac-ft (103% of average) - the reservoir is at 82% of last year. Boysen Reservoir is storing about 100% of average (488,000 ac-ft) - the reservoir is about 81% of last year. Pilot Butte is at 99% of average (24,500 ac-

ft) - the reservoir is at 98% 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 are below average. Dinwoody Creek near Burris is 79,000 ac-ft (86% of average). The Wind River above Bull Lake Creek is 390,000 ac-ft (80% of average). Bull Lake Creek near Lenore is 138,000 ac-ft (82% of average). Wind River at Riverton will yield around 420,000 ac-ft (76% of average). Little Popo Agie River near Lander is around 24,000 ac-ft (49% of average). South Fork of Little Wind near Fort Washakie will yield around 61,000 ac-ft (74% of average). Little Wind River near Riverton will yield around 131,000 ac-ft (44% of average). Boysen Reservoir inflow will yield around 435,000 ac-ft (65% of average). See the following page for detailed runoff volumes.



Wind River Basin

Streamflow Forecasts - April 1, 2013

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)		
Dinwoody Ck nr Burris							
APR-JUL	46	52	56	85	60	66	66
APR-SEP	66	74	79	86	84	92	92
Wind R ab Bull Lake Ck (2)							
APR-JUL	220	275	315	79	355	410	400
APR-SEP	275	345	390	80	435	505	490
Bull Lake Ck nr Lenore							
APR-JUL	76	97	112	81	127	148	139
APR-SEP	92	119	138	82	157	184	169
Wind R at Riverton (2)							
APR-JUL	230	310	360	76	410	490	475
APR-SEP	260	355	420	76	485	580	550
Little Popo Agie R nr Lander							
APR-JUL	5.5	14.1	20	48	26	34	42
APR-SEP	8.4	17.7	24	49	30	40	49
SF Little Wind R nr Fort Washakie							
APR-JUL	34	45	53	74	61	72	72
APR-SEP	38	52	61	74	70	84	82
Little Wind R nr Riverton							
APR-JUL	40	60	113	42	166	245	270
APR-SEP	50	72	131	44	190	275	295
Boysen Reservoir Inflow (2)							
APR-JUL	54	255	390	64	525	725	610
APR-SEP	64	285	435	65	585	805	665

* 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 1981-2010 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 *****		
	Capacity	This Year	Last Year	Average
BULL LAKE	151.8	77.4	94.0	75.4
BOYSEN	596.0	488.0	599.3	489.0
PILOT BUTTE	31.6	24.5	24.9	24.8

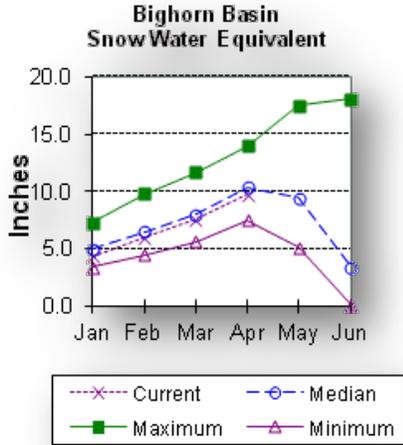
WIND RIVER BASIN Watershed Snowpack Analysis - April 1, 2013

Watershed	Number of	This Year as Percent of	
	Data Sites	Last Year	Median
WIND RIVER above Dubois	7	92	83
LITTLE WIND	2	108	71
POPO AGIE	7	85	70
WIND above Boysen Resv	17	93	77

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 94% of normal. The Nowood River is at 106% of normal. The Greybull River SWE is at 79% of normal. Shell Creek SWE is 84% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation was 76% of average (156% of last year). Sites ranged from 5-125% of average for the month. Year-to-date precipitation is 87% of average; that is 78% of last year at this time. Year-to-date percentages, from the 15 reporting stations, range from 58-117%.

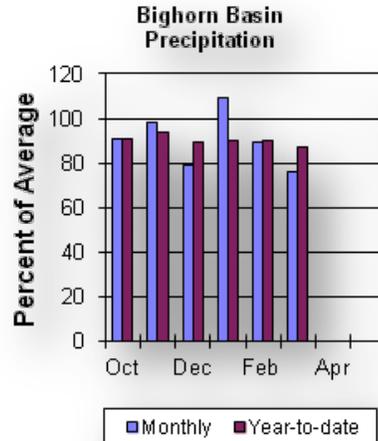
Reservoirs

Boysen Reservoir is currently storing 478,000 ac-ft (100% of average). Bighorn Lake is now at 864,700 ac-ft (110% of average).

Boysen is currently storing 81% of last year volume at this time and Big Horn Lake is storing 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 the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 435,000 ac-ft (65% of average); the Greybull River near Meeteetse should yield around 155,000 ac-ft (88% of average); Shell Creek near Shell should yield around 59,000 ac-ft (89% of average) and the Bighorn River at Kane should yield around 600,000 ac-ft (66% of average). See the following page for detailed runoff volumes.



Bighorn River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt | ===== Chance of Exceeding * ===== |
Forecast    | 90%    70%    | 50%    | 30%    10%    | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)|(1000AF) (1000AF)| (1000AF)
=====
Boysen Reservoir Inflow (2)
APR-JUL     54    255    390    64    525    725    610
APR-SEP     64    285    435    65    585    805    665
Greybull R nr Meeteetse
APR-JUL     71     97    115    88    133    159    131
APR-SEP    101    133    155    88    177    210    177
Shell Ck nr Shell
APR-JUL     33     41     47     86     53     61     55
APR-SEP     43     52     59     89     66     75     66
Bighorn R at Kane (2)
APR-JUL    110    350    560    67    770    1080    840
APR-SEP    100    370    600    66    830    1170    905
=====

```

* 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 1981-2010 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 ***** Usable Storage *****
                   This Year      Last Year      Average
=====
BOYSEN              596.0          488.0          599.3          489.0
BIGHORN LAKE       1356.0         864.7          854.4          787.5
=====

```

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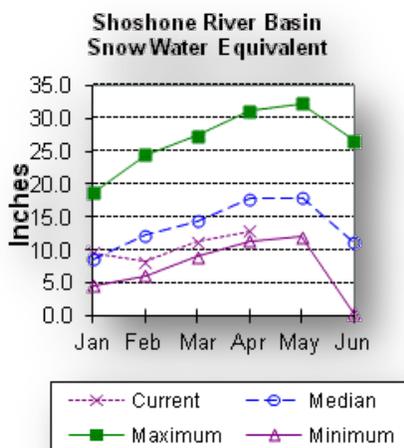
=====
BIGHORN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of Data Sites          This Year as Percent of
                   Last Year          Median
=====
NOWOOD RIVER       7                   96                   106
GREYBULL RIVER     1                   125                  79
SHELL CREEK        4                   71                   84
BIGHORN (Boysen-Bighorn) 12                   85                   94
=====

```

Shoshone River Basin

Snow

Snow Water Equivalent (SWE) is 88% of normal in the Shoshone River Basin. The Clarks Fork River drainage SWE is 90% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Precipitation for last month was 85% of average (81% of last year). Monthly percentages range from 0-111% of average. The basin year-to-date precipitation is now 92% of average (74% of last year). Year-to-date percentages range from 48-114% of average for the 11 reporting stations.

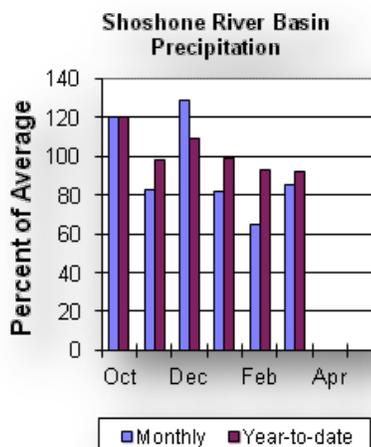
Reservoirs

Current storage in Buffalo Bill Reservoir is about 123% of average (95% of last year's storage) - the reservoir is at about 66% of capacity. Currently, about 429,800 ac-ft are stored in the

reservoir compared to 451,600 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 the April through September period are expected to be below average for the basin. The North Fork Shoshone River at Wapiti is 460,000 ac-ft (89% of average). The South Fork of the Shoshone River near Valley is 215,000 ac-ft (88% of average), and the South Fork above Buffalo Bill Reservoir runoff is 163,000 ac-ft (82% of average). The Buffalo Bill Reservoir inflow is expected to yield around 650,000 ac-ft (87% of average). See the following page for detailed runoff volumes.



Shoshone River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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)
=====
NF Shoshone R at Wapiti
APR-JUL 335 380 410 89 440 485 460
APR-SEP 370 425 460 89 495 550 515
SF Shoshone R nr Valley
APR-JUL 148 170 185 86 200 220 215
APR-SEP 171 197 215 88 235 260 245
SF Shoshone R ab Buffalo Bill Res
APR-JUL 92 130 155 80 180 220 193
APR-SEP 95 135 163 82 191 230 200
Buffalo Bill Reservoir Inflow (2)
APR-JUL 445 525 580 86 635 715 675
APR-SEP 490 585 650 87 715 810 745
Clarks Fk Yellowstone R nr Belfry
APR-JUL 365 415 450 88 485 535 510
APR-SEP 390 445 485 88 525 580 550
=====

```

* 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 1981-2010 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 RIVER BASIN
Reservoir Storage (1000AF) End of March
=====
Usable ***** Usable Storage *****
Reservoir Capacity This Year Last Year Average
=====
BUFFALO BILL 646.6 429.8 451.6 348.9
=====

```

```

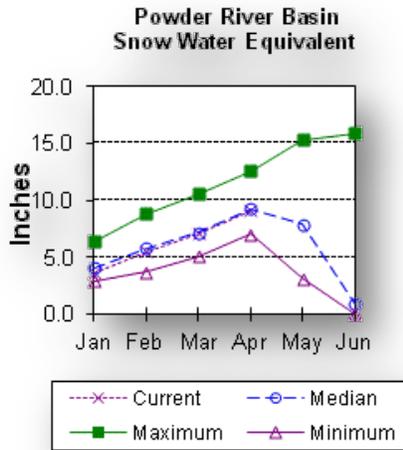
=====
SHOSHONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Number of This Year as Percent of
Watershed Data Sites Last Year Median
=====
SHOSHONE RIVER 5 81 87
=====

```

Powder River Basin

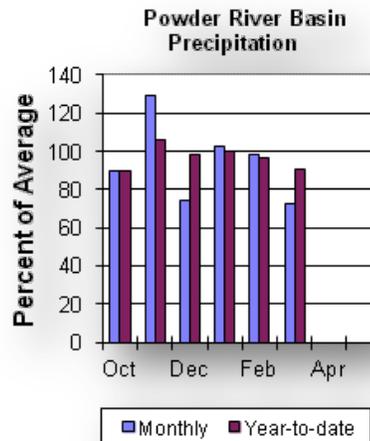
Snow

Snow water equivalent (SWE) in the Upper Powder River drainage is 107% of normal. SWE in the Clear Creek drainage is 88% of normal. Crazy Woman Creek drainage is 108% of normal. Powder River Basin SWE in Wyoming is 99% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 73% of average for the 11 reporting stations (199% of last year). Monthly percentages range from 6-125% of average. Year-to-date precipitation is 91% of average in the basin; this is 85% of last year at this time. Precipitation for the year ranges from 61-117% of average.



Reservoirs

No reservoir data for the basin.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be below average for the basin. The Middle Fork of the Powder River near Barnum is 16,200 ac-ft (95% of average). The North Fork of the Powder River near Hazelton should yield around 10,400 ac-ft (105% of average). Rock Creek near Buffalo will yield about 18,000 ac-ft (82% of average), and Piney Creek at Kearny should yield about 34,000 ac-ft (72% of average). The Powder River at Moorhead is 166,000 ac-ft (85% of average). The Powder River near Locate is 185,000 ac-ft (84% of average). See the following page for detailed runoff volumes.

Powder River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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)
=====
MF Powder R nr Barnum
APR-JUL     9.6    13.0    15.3    95     17.6    21     16.1
APR-SEP     10.4   13.8    16.2    95     18.6    22     17.0
NF Powder R nr Hazelton
APR-JUL     7.2     8.6     9.6    106    10.6    12.0    9.1
APR-SEP     7.8     9.3    10.4    105    11.5    13.0    9.9
Rock Ck nr Buffalo
APR-JUL     7.6     11.9   14.8    80     17.7    22     18.6
APR-SEP     10.4   14.9   18.0    82     21     26     22
Piney Ck at Kearny
APR-JUL     11.4    23     31     71     39     51     44
APR-SEP     13.4    26     34     72     42     55     47
Powder R at Moorhead
APR-JUL     31     99     146    83     193    260    177
APR-SEP     47    118    166    85     215    285    196
Powder R nr Locate
APR-JUL     26    108    164    82     220    300    199
APR-SEP     37    125    185    84     245    335    220
=====

```

* 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 1981-2010 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 RIVER BASIN

Watershed Snowpack Analysis - April 1, 2013

```

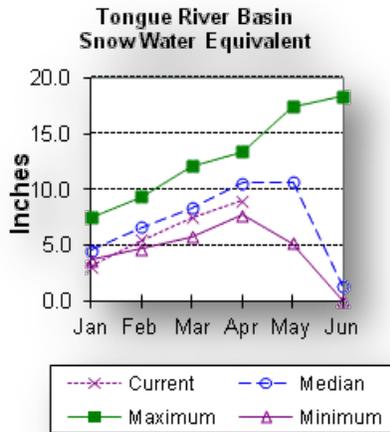
=====
Watershed                Number of          This Year as Percent of
                          Data Sites        Last Year          Median
=====
UPPER POWDER RIVER        5                 108                107
CLEAR CREEK               4                 93                 88
CRAZY WOMAN CREEK        3                 93                 108
POWDER RIVER in WY        9                 102                99
=====

```

Tongue River Basin

Snow

Snow water equivalent (SWE) in the Tongue River drainage is 85% of normal. The Goose Creek drainage is 83% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

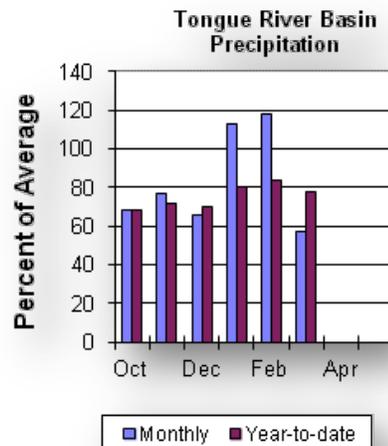
Last month's precipitation was 57% of average for the 9 reporting stations (222% of last year). Monthly percentages range from 20-81% of average. Year-to-date precipitation is 78% of average in the basin; this is 67% of last year at this time. Precipitation for the year ranges from 62-96% of average.

Reservoirs

The Tongue River Reservoir currently is storing 167% of average (54,000 ac-ft) compared to 99% of last year's storage.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be below average for the basin. The yield for Tongue River near Dayton is 82,000 ac-ft (84% of average). Big Goose Creek near Sheridan is 39,000 ac-ft (72% of average). Little Goose Creek near Bighorn is 29,000 ac-ft (74% of average). The Tongue River Reservoir Inflow is 151,000 ac-ft (70% of average). See the following page for detailed runoff volumes.



Tongue River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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)
=====
Tongue R nr Dayton (2)
  APR-JUL    44    60    71    83    82    98    86
  APR-SEP    52    70    82    84    94   112   98
Big Goose Ck nr Sheridan
  APR-JUL    15.1  25    31    67    37    47    46
  APR-SEP    23    32    39    72    46    55    54
Little Goose Ck nr Bighorn
  APR-JUL    12.1  18.0  22    71    26    32    31
  APR-SEP    18.2  25    29    74    33    40    39
Tongue River Reservoir Inflow (2)
  APR-JUL    32    91   131   68   171   230   193
  APR-SEP    46   109  151   70   193   255   215
=====

```

* 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 1981-2010 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.

```

=====
TONGUE RIVER BASIN
Reservoir Storage (1000AF) End of March
=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity          This Year          Last Year          Average
=====
TONGUE RIVER          79.1           54.0           54.6           32.3
=====

```

```

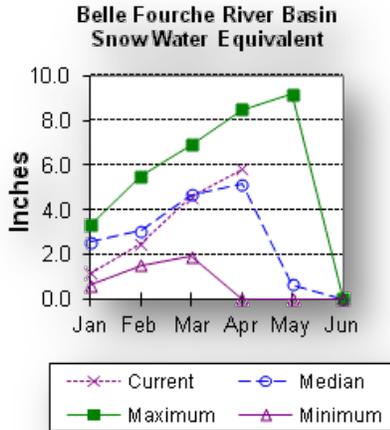
=====
TONGUE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Median
=====
GOOSE CREEK          3           80           83
TONGUE RIVER BASIN  9           83           85
=====

```

Belle Fourche River Basin

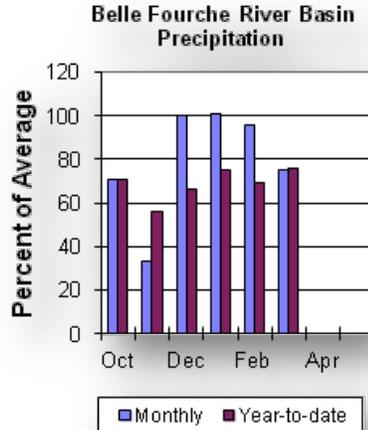
Snow

The Belle Fourche River Basin SWE is 113% of normal 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 75% of average or 263% of last year in the Black Hills. There were 4 reporting stations. Year-to-date precipitation is 76% of average and 87% of last year's amount.



Reservoirs

Belle Fourche reservoir is storing 90% of average (117,500 ac-ft), about 66% of capacity.

Keyhole reservoir is storing 155% of average (150,200 ac-ft), about 78% of capacity. Shadehill reservoir is storing 58% of average (36,300 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

There are no streamflow forecast points for the basin.

Belle Fourche River Basin

Reservoir Storage (1000AF) End of March

```

=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity      This Year      Last Year      Average
=====
BELLE FOURCHE      178.4          117.5         152.3         130.9
KEYHOLE            193.8          150.2         187.9          96.8
SHADEHILL         81.4           36.3          40.5           63.1
=====
  
```

```

=====
                BELLE FOURCHE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
  
```

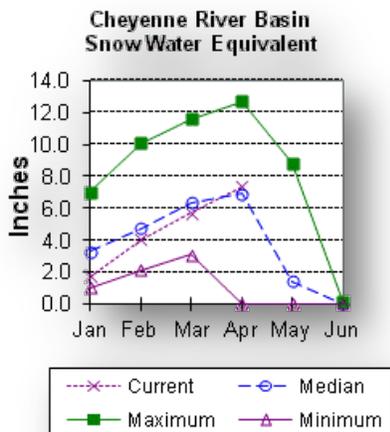
```

=====
Watershed          Number of          This Year as Percent of
                   Data Sites        Last Year          Median
=====
BELLE FOURCHE          6                   0                   113
=====
  
```

Cheyenne River Basin

Snow

The Cheyenne River Basin SWE is 107% of normal 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 113% of average or 110% of last year in the Black Hills. There were 5 reporting stations. Monthly percentages range from 41-154%. Year-to-date precipitation is 92% of average and 74% of last year's amount. Yearly percentages range from 69-102% of average.

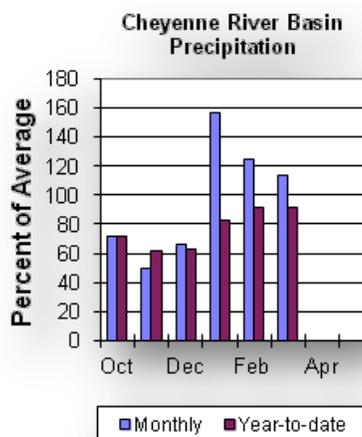
Reservoirs

Angostura is currently storing 68% of average (75,100 ac-ft), about 62% of capacity. Deerfield reservoir is storing 112% of average (15,100 ac-ft), about 99% of capacity. Pactola reservoir is storing 107% of average (50,100 ac-ft), about 91% 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 5,000 ac-ft (96% of average). Pactola Reservoir Inflow is expected to yield around 21,000 ac-ft (96% of average). See the following page for detailed runoff volumes.



Cheyenne River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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    2.0    3.8    5.0    96    6.2    8.0    5.2
Pactola Reservoir Inflow
APR-JUL    4.1    14.2    21    96    28    38    22
=====

```

* 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 1981-2010 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.

```

=====
CHEYENNE RIVER BASIN
Reservoir Storage (1000AF) End of March
=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity          This Year          Last Year          Average
=====
ANGOSTURA          122.1          75.1          107.7          110.1
DEERFIELD          15.2          15.1          15.2          13.5
PACTOLA            55.0          50.1          53.3          46.8
=====

```

```

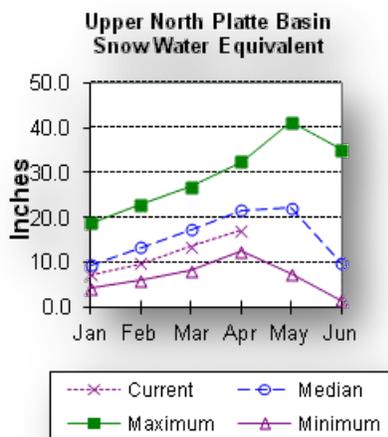
=====
CHEYENNE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Median
=====
CHEYENNE BASIN          7          0          107
=====

```

Upper North Platte River Basin

Snow

The stations above Seminoe Reservoir are showing about 79% of normal (SWE) for this time of the year. SWE in the drainage area above Northgate is 77% of normal at this time. SWE in the Encampment River drainage is about 81% of normal. Brush Creek SWE for the year is about 82% of normal. Medicine Bow and Rock Creek drainages SWE are about 86% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

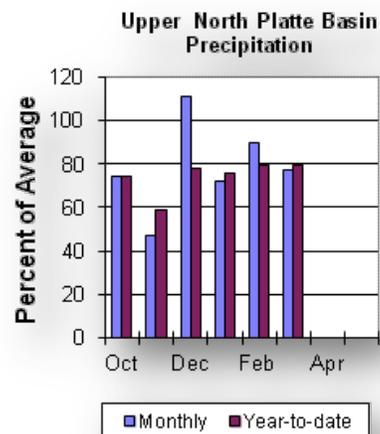
Twelve reporting stations show last month's precipitation at 77% of average or 238% of last year's amount. Precipitation varied from 28-110% of average last month. Total water-year-to-date precipitation is about 79% of average for the basin, which is about 97% of last year's amount. Year to date percentage ranges from 64-100% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 484,500 ac-ft or 48% of capacity. Seminoe Reservoir is also storing about 101% of average for this time of the year and 58% 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 115,000 ac-ft (46% of average). The Encampment River near Encampment is 77,000 ac-ft (56% of average). Rock Creek near Arlington is 35,000 ac-ft (67% of average). Seminoe Reservoir inflow should be around 350,000 ac-ft (46% of average). See the following table for more detailed information on projected runoff.



Upper North Platte River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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    25    62    100    44    138    193    225
  APR-SEP    30    72    115    46    158    220    250
Encampment R nr Encampment
  APR-JUL    37    58    72    56    86    107    129
  APR-SEP    39    62    77    56    92    115    138
Rock Ck nr Arlington
  APR-JUL    19.7  28    33    67    38    46    49
  APR-SEP    21    29    35    67    41    49    52
Sweetwater R nr Alcova
  APR-JUL    5.5    8.6    20    34    31    48    59
  APR-SEP    7.5   11.6   24    38    36    55    64
Seminoe Reservoir Inflow (2)
  APR-JUL    115    168    315    44    460    675    715
  APR-SEP    125    189    350    46    510    750    770
=====

```

* 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 1981-2010 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
=====
Reservoir          Usable Capacity      ***** Usable Storage *****
                  This Year      Last Year      Average
=====
SEMINOE            1016.7          484.5          839.3          481.2
=====

```

```

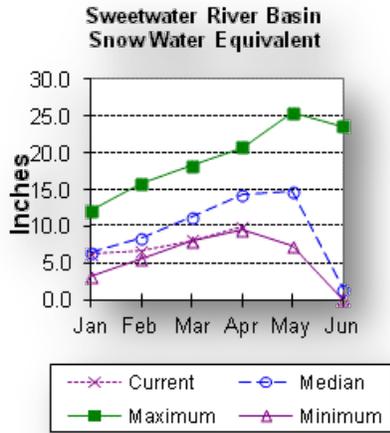
=====
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of Data Sites      This Year as Percent of
                  Last Year      Median
=====
N PLATTE above Northgate      7          130          77
ENCAMPMENT RIVER              4          121          81
BRUSH CREEK                    5          156          82
MEDICINE BOW & ROCK CREEKS     2          105          86
N PLATTE above Seminoe        18          127          79
=====

```

Sweetwater River Basin

Snow

SWE for the Sweetwater River Basin is at 69% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

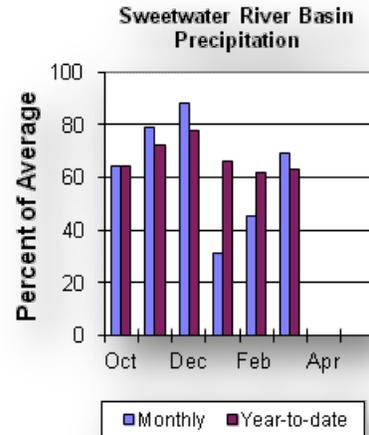
Last month's precipitation was 69% of average or 214% of last year's amount. The water year-to-date precipitation for the basin is currently 63% of average (73% of last year).

Reservoirs

Reservoir storage is as follows: Pathfinder 423,600 ac-ft (70% of average). Last year at this time the reservoir was 857,000 ac-ft.

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 24,000 ac-ft (38% of average). See the following table for more detailed information on projected runoff.



Sweetwater River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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)
=====
Sweetwater R nr Alcova
APR-JUL     5.5    8.6        20    34        31    48        59
APR-SEP     7.5    11.6       24    38        36    55        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 1981-2010 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.

```

=====
SWEETWATER RIVER BASIN
Reservoir Storage (1000AF) End of March
=====
Reservoir          Usable          ***** Usable Storage *****
                   Capacity          This Year      Last Year      Average
=====
PATHFINDER         1016.5          423.6         857.0         604.6
=====

```

```

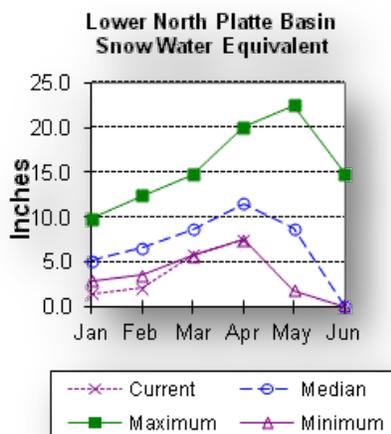
=====
SWEETWATER RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Median
=====
SWEETWATER        3                   81                 69
=====

```

Lower North Platte River Basin

Snow

SWE for the Lower North Platte River Basin (Laramie Range Mts.) is at 65% of normal. Deer and LaPrele Creek SWE are at 67% of normal. SWE for the North Platte (includes Upper North Platte, Sweetwater and Laramie River Basins) is 76% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 57% of average or 369% of last year's amount. Of the 5 reporting stations, percentages for the month range from 30-104%. The water year-to-date precipitation for the basin is currently 67% of average (61% of last year). Year-to-date percentages range from 59-77% of average.

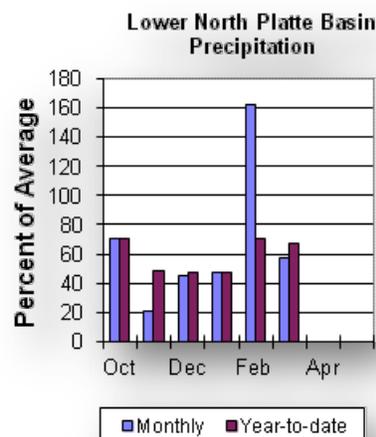
Reservoirs

Reservoir storage is as follows:
 Alcova 157,200 ac-

ft (99% of average); Glendo 328,900 ac-ft (84% of average); Guernsey 6,700 ac-ft (34% of average); Pathfinder 423,600 ac-ft (70% of average). The combined storage of these 4 reservoirs plus Seminoe is 85% of average.

Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. North Platte River below Glendo Reservoir is 285,000 ac-ft (34% of average), and below Guernsey Reservoir is anticipated to yield around 285,000 ac-ft (34% of average). See the following table for more detailed information on projected runoff.



Lower North Platte River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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 bl Glendo Res (2)
APR-JUL    110    173    280    34    385    545    820
APR-SEP    110    173    285    34    395    565    850
North Platte R bl Guernsey Res (2)
APR-JUL    110    132    265    32    400    595    820
APR-SEP    110    147    285    34    425    625    850
=====

```

* 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 1981-2010 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 RIVER BASIN
Reservoir Storage (1000AF) End of March
=====

```

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
=====
Reservoir
ALCOVA          184.3    157.2    158.3    158.5
GLEND0          506.4    328.9    460.2    389.4
GUERNSEY        45.6      6.7     17.6     20.0
PATHFINDER     1016.5   423.6    857.0    604.6
=====

```

```

=====
LOWER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====

```

```

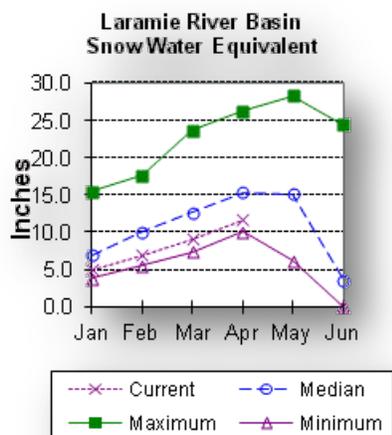
=====
Number of This Year as Percent of
Data Sites Last Year Median
=====
Watershed
DEER & LaPRELE CREEKS          2          77          67
N PLATTE Laramie Range Mts.    4          72          65
=====

```

Laramie River Basin

Snow

SWE for the Laramie River Basin above mouth is at 76% of normal. SWE for the Laramie River above Laramie is 80% of normal. SWE for the Little Laramie River is 75% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 80% of average or 469% of last year's amount. Of the 5 reporting stations, percentages for the month range from 26-88%. The water year-to-date precipitation for the basin is currently 74% of average (82% of last year). Year-to-date percentages range from 70-79% of average.

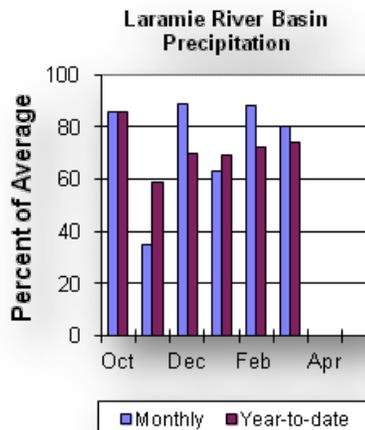
Reservoirs

Reservoir storage is as follows:

Wheatland #2 29,000 ac-ft (last year it was at 86,100 ac-ft).

Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. Laramie River near Woods Landing should yield around 83,000 ac-ft (66% of average). The Little Laramie near Filmore should produce about 30,000 ac-ft (55% of average). See the following table for more detailed information on projected runoff.



Laramie River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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)
=====
Laramie R nr Woods
  APR-JUL    36      59      75      65      91      114      115
  APR-SEP    39      65      83      66      101     127      126
Little Laramie R nr Filmore
  APR-JUL    11.6    21      28      55      35      44      51
  APR-SEP    11.4    22      30      55      38      49      55
=====

```

- * 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 1981-2010 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.

```

=====
LARAMIE RIVER BASIN
Reservoir Storage (1000AF) End of March
=====
Reservoir          Usable ***** Usable Storage *****
                   Capacity   This Year   Last Year   Average
=====
WHEATLAND #2      98.9        29.0        86.1      ----
=====

```

```

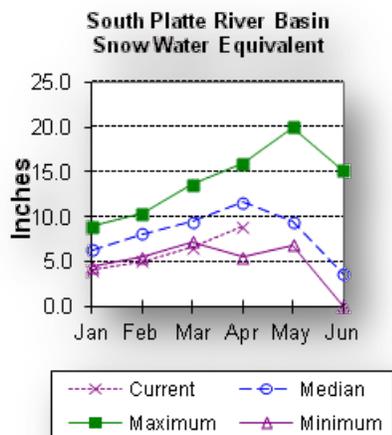
=====
LARAMIE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of          This Year as Percent of
                   Data Sites        Last Year         Median
=====
LARAMIE RIVER abv Laramie      6          141          80
LITTLE LARAMIE RIVER          5          105          75
LARAMIE RIVER above mouth     12         119          76
NORTH PLATTE TOTAL RIVER BAS  34         115          76
=====

```

South Platte River Basin

Snow

SWE for the South Platte River Basin is at 77% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

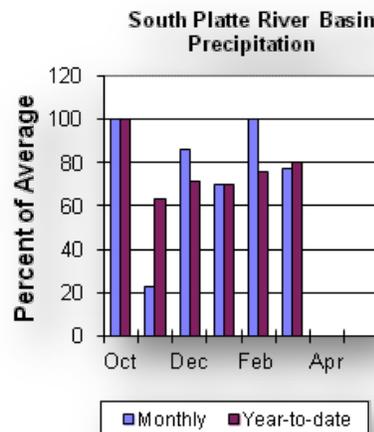
Last month's precipitation was 77% of average or 331% of last year's amount. The water year-to-date precipitation for the basin is currently 80% of average (78% of last year).

Reservoirs

No reservoir data for the basin.

Streamflow

There are no streamflow forecast points for the basin.



SOUTH PLATTE RIVER BASIN

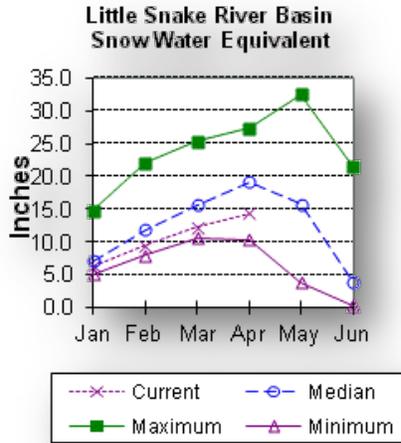
Watershed Snowpack Analysis - April 1, 2013

Watershed	Number of Data Sites	This Year as Last Year	Percent of Median
SOUTH PLATTE RIVER	7	135	77

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 75% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

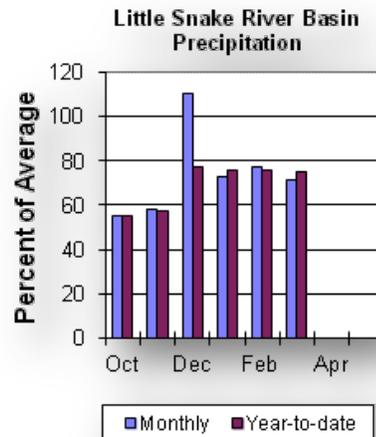
Precipitation across the basin was 71% of average (178% of last year) for the 8 reporting stations. Last month's precipitation ranged from 38-118% of average. The Little Snake River basin water-year-to-date precipitation is currently 75% of average (93% of last year). Year-to-date percentages range from 62-86% of average.

Reservoirs

High Savery Dam - 8,100 ac-ft (average storage is 13,900 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 74,000 ac-ft (47% of average). The Little Snake River at Savery is estimated to yield around 145,000 ac-ft (42% of average). See the following table for more detailed information on projected runoff.



Little Snake River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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     47    62    | 74    47    | 87    108    | 156
Little Snake R nr Savery (2)
APR-JUL     62    107   | 145   42    | 189   265   | 345
=====

```

* 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 1981-2010 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
Reservoir Storage (1000AF) End of March
=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
Reservoir
=====
HIGH SAVERY NO REPORT
=====

```

```

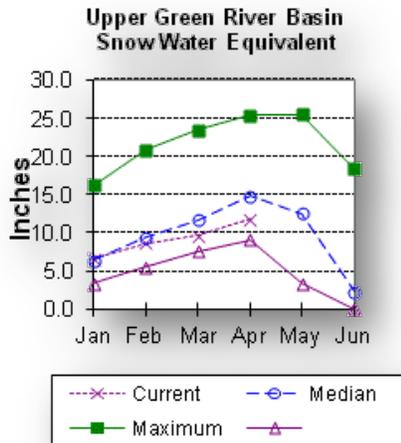
=====
LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Number of This Year as Percent of
Watershed Data Sites Last Year Median
=====
LITTLE SNAKE RIVER 10 127 75
=====

```

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 77% of normal. SWE for the West Side of Upper Green River Basin is about 81% of normal. Newfork River Basin SWE is now about 72% of normal. Big Sandy-Eden Valley Basin is 78% of normal. SWE in the Green River Basin above Fontenelle Reservoir is about 79% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

The 12 reporting precipitation sites in the basin were 71% of average last month (111% of last year). Last month's precipitation varied from 44-95% of average. Water year-to-date precipitation is about 78% of average (77% of last year). Year to date percentage of average ranges from 61-87% for the reporting stations.

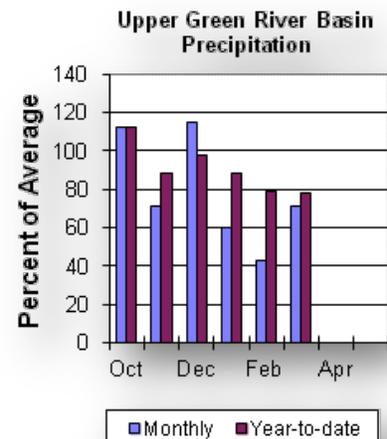
Reservoir

Storage in Big Sandy Reservoir is 8,500 ac-ft or 22% of capacity. This is 43% of average.

Fontenelle Reservoir is 128,300 ac-ft or 37% of capacity; 105% of average. This is 97% 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 165,000 ac-ft (67% of average). Pine Creek above Fremont Lake is 73,000 ac-ft (75% of average). New Fork River near Big Piney is 205,000 ac-ft (58% of average). Fontenelle Reservoir Inflow is estimated to be 400,000 ac-ft (55% of average), and Big Sandy near Farson is expected to be around 30,000 ac-ft (58% of average). See the following table for more detailed information on projected runoff.



Upper Green River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt | ===== Chance of Exceeding * ===== |
Forecast    | 90%    70%    | 50%    | 30%    10%    | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)|(1000AF) (1000AF)| (1000AF)
=====
Green R at Warren Bridge
APR-JUL     123    147    165    67    184    215    245
Pine Ck ab Fremont Lake
APR-JUL     58     67     73     75     80     90     98
New Fork R nr Big Piney
APR-JUL     119    167    205    58    245    315    355
Fontenelle Reservoir Inflow (2)
APR-JUL     220    320    400    55    490    635    725
Big Sandy R nr Farson
APR-JUL     18.4    25     30     58     36     44     52
=====

```

- * 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 1981-2010 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

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
Reservoir
=====
BIG SANDY          38.3          8.5          24.7          19.9
FONTENELLE        344.8        128.3        122.6        121.7
=====

```

UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013

```

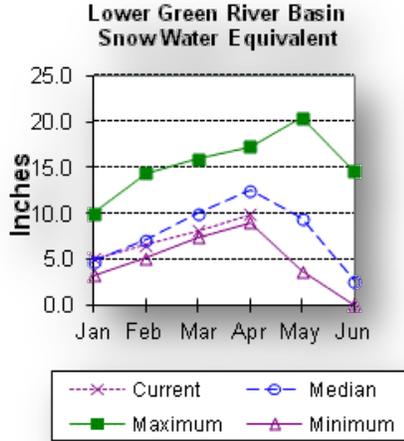
=====
Number of This Year as Percent of
Data Sites Last Year Median
Watershed
=====
GREEN above Warren Bridge          5          86          77
UPPER GREEN (West Side)            5          83          81
NEWFORK RIVER                      2          69          72
BIG SANDY/EDEN VALLEY              1          66          78
GREEN above Fontenelle             13          82          79
=====

```

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 79% of normal. SWE in the Hams Fork Basin is 76% of normal. Blacks Fork Basin SWE is currently 82% of normal. In the Henrys Fork drainage SWE is 82%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

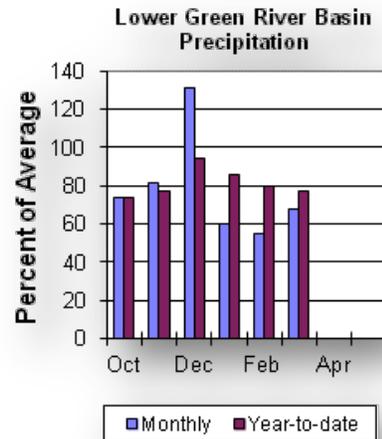


Precipitation

Precipitation for the 11 reporting stations during last month was at 68% of average or 124% of last year. Precipitation ranged from 26-130% of average for the month. The basin year-to-date precipitation is currently 77% of average (83% of last year). Year-to-date percentages range from 61-131% of average.

Reservoirs

Fontenelle Reservoir is currently storing 128,300 ac-ft; this is 105% of average (105% of last year). Flaming Gorge is currently storing 2,985,600 ac-ft; compared to 3,233,000 at this time last year. Viva Naughton is currently storing 23,400 ac-ft, 86% of average or 55% 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 385,000 ac-ft (53% of average). The Blacks Fork near Robertson is forecast to yield 55,000 ac-ft (62% of average). East Fork of Smiths Fork near Robertson is forecast to yield 16,000 ac-ft (62% of average). Hams Fork below Pole Creek near Frontier is forecast to be 26,000 ac-ft (48% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 31,000 ac-ft (42% of average). The Flaming Gorge Reservoir inflow will be about 495,000 ac-ft (51% of average). See the following table for more detailed information on projected runoff.

Lower Green River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== Drier === Future Conditions === Wetter ===>
Forecast Pt | ===== Chance of Exceeding * ===== |
Forecast    | 90%    70%    | 50%    | 30%    10%    | 30 Yr Avg
Period      |(1000AF) (1000AF)| (1000AF) (% AVG.)| (1000AF) (1000AF)| (1000AF)
=====
Green R nr Green River, WY (2)
  APR-JUL    205    305    385    53    475    620    730
Blacks Fk nr Robertson
  APR-JUL    37     47     55     62     63     77     89
EF of Smiths Fork nr Robertson (2)
  APR-JUL    8.4    12.6   16.0   62    19.8   26     26
Hams Fk bl Pole Ck nr Frontier
  APR-JUL    14.6   21     26     48     32     41     54
Viva Naughton Reservoir Inflow (2)
  APR-JUL    15.0   24     31     42     39     53     74
Flaming Gorge Reservoir Inflow (2)
  APR-JUL    220    370    495    51    635    875    980
=====

```

* 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 1981-2010 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

```

=====
Usable ***** Usable Storage *****
Capacity This Year Last Year Average
Reservoir
=====
FONTENELLE          344.8    128.3    122.6    121.7
FLAMING GORGE      3749.0   2985.6   3233.0   3020.0
VIVA NAUGHTON RES    42.4     23.4     29.2     27.2
=====

```

LOWER GREEN RIVER BASIN
 Watershed Snowpack Analysis - April 1, 2013

```

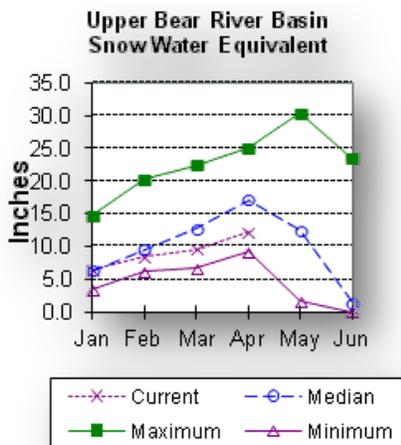
=====
Number of This Year as Percent of
Data Sites Last Year Median
Watershed
=====
HAMS FORK RIVER          4          91          76
BLACKS FORK              4          164         82
HENRYS FORK              3          112         82
GREEN above Flaming Gorge 24          92          79
=====

```

Upper Bear River Basin

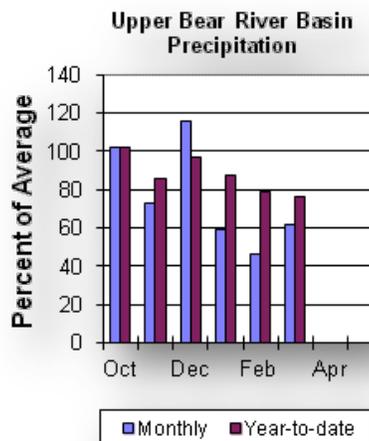
Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 70% of normal. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is at 78% of normal. Bear River Basin SWE, above the Idaho State line, is 71% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 62% of average for the 8 reporting stations; this is 130% of the precipitation received last year. Precipitation ranged from 46-85% of average for the month. The year-to-date precipitation, for the basin, is 76% of average; this is 91% of last year's amount. Year-to-date percentages range from 66-82% of average.



Reservoirs

Storage in Woodruff Narrows reservoir is 12,000 ac-ft. Reservoir storage last year at this time was 57,500 ac-ft.

Streamflow

The following 50% exceedance forecasts are for the April through September period.

The Bear River near the Utah-Wyoming State Line is 61,000 ac-ft (50% of average). The Bear River above Reservoir near Woodruff is 50,000 ac-ft (39% of average). The Smiths Fork River near Border Jct. is 55,000 ac-ft (53% of average). See the following table for more detailed information on projected runoff.

Upper Bear River Basin

Streamflow Forecasts - April 1, 2013

```

=====
<=== 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     27     44     56     50     68     85     112
APR-SEP     29     48     61     50     74     93     123
Bear R ab Res nr Woodruff
APR-JUL     1.0    10.0    45     37     39     64     121
APR-SEP     1.0    14.0    50     39     36     62     128
Smiths Fk nr Border
APR-JUL     23     36     45     51     53     66     89
APR-SEP     30     45     55     53     65     80     104
=====

```

* 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 1981-2010 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          12.0          57.5          38.4
=====

```

```

=====
UPPER BEAR RIVER BASIN
Watershed Snowpack Analysis - April 1, 2013
=====
Watershed          Number of          This Year as Percent of
                   Data Sites          Last Year          Median
=====
UPPER BEAR RIVER in Utah          6          168          70
SMITHS & THOMAS FORKS          3          91          78
BEAR RIVER abv ID line          11          118          71
=====
NORTHWEST          71          87          88
NORTHEAST          25          103          95
SOUTHEAST          33          119          77
SOUTHWEST          35          104          75
=====

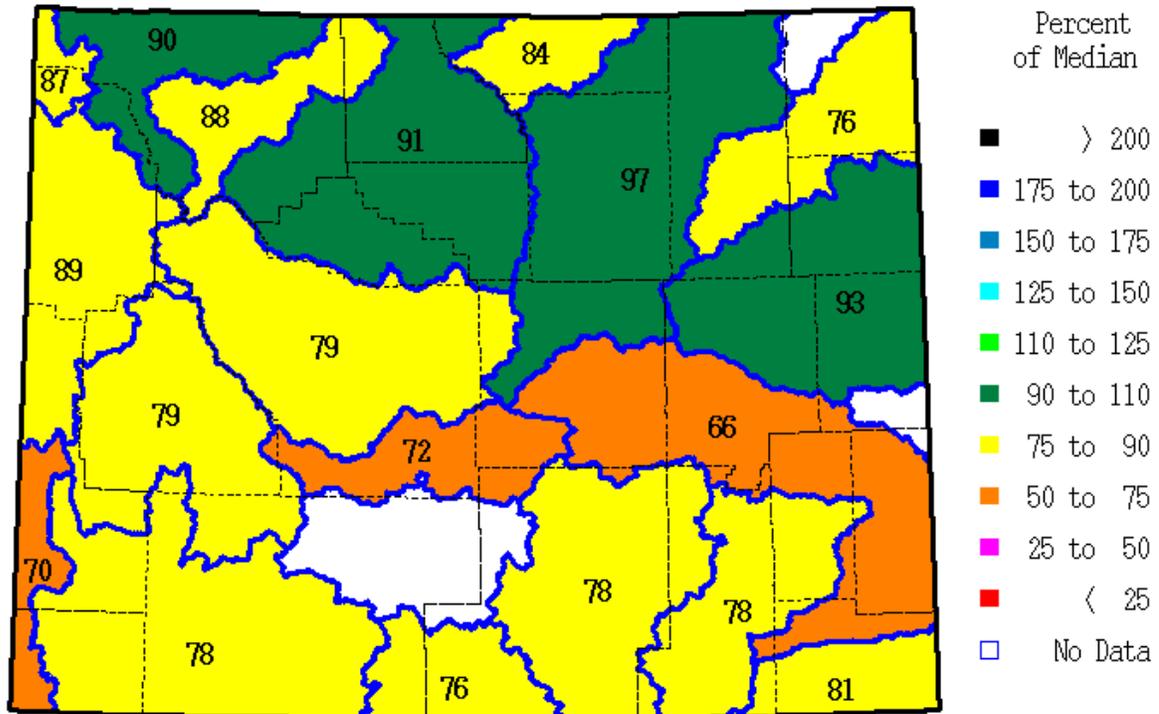
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Issued by Released by

Jason Weller (Acting Chief)
U.S.D.A.
Natural Resources Conservation Service
Washington D.C.

Astrid Martinez
State Conservationist
N R C S
Casper, Wyoming

SWE % of Median as of Monday, 01 April 2013



* = 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:

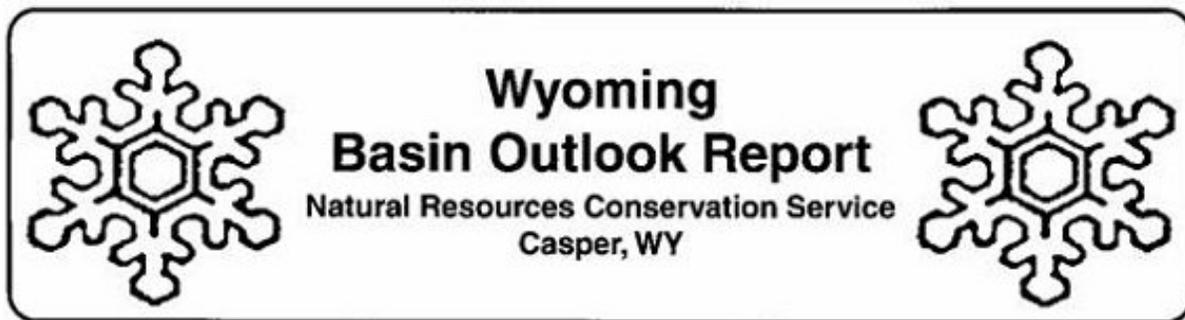
The Wyoming State Engineer's Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins



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Casper, WY 82601

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«Address2»
«City», «State» «PostalCode»

«MailingListID»