

United States Department of Agriculture

Natural Resources Conservation Service

Wyoming Basin Outlook Report March 1, 2013



Blind Park 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 March $1^{\rm st}$ at 85%. Monthly precipitation for the basins varied from 40-162% of average. Year-to-date precipitation for Wyoming basins varies from 62-97% of average. Forecasted runoff varies from 15-105% of average across the Wyoming basins for an overall average of 72%. Basin reservoir levels for Wyoming vary from 39-172% of average for an overall average of 97%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below normal for this time of year at 85%. SWE in the NW portion of Wyoming is now about 88% of normal (76% of last year). NE Wyoming SWE is currently about 94% of normal (63% of last year). The SE Wyoming SWE is currently about 76% of normal (80% of last year). The SW Wyoming SWE is about 79% of normal (80% of last year).

Precipitation

Last month's precipitation was below average across Wyoming. The Lower North Platte Basin had the highest precipitation for the month at 162% of average. The Madison-Gallatin Basin had the lowest precipitation amount at 40% of average. The following table displays the major river basins and their departure from average for this month.

	Departure		Departure
Basin	from average		m average
Snake River	 -53%	Upper North Platte River	-10%
Madison-Gallatin	-60%	Sweetwater River	-55%
Yellowstone	-42%	Lower North Platte	+62%
Wind River	-32%	Laramie River	-12%
Bighorn	-11%	South Platte	0%
Shoshone	-35%	Little Snake River	-23%
Powder River	-02%	Upper Green River	-57%
Tongue River	+18%	Lower Green River	-45%
Belle Fourche	-04%	Upper Bear River	-54%
Cheyenne	+24%		

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 72% (varying from 15-105% of average). The Snake River and Madison River Basins are expected to yield about 77% and 92% of average, respectively; 72-92% of average for the various forecast points in the basins. Yields from the Yellowstone and Clark's Fork are expected to be 90% and 90% respectively. Yields from the Wind and Bighorn River Basins are expected to be about 73 and 76% of average; varying from 53-94% of average in the basins. Yield from the Shoshone River Basin of Wyoming is expected to yield about 89%, varying from 85-91% of average. Yields from the Tongue & Powder River Basins are expected to be about 77% and 91% of average, respectively; varying from 77-105% of average. Yield for the Cheyenne River Basin is expected to be about 90% of average. Yields for the Upper, Lower North Platte, Sweetwater and Laramie Rivers of Wyoming are expected to be about 46%, 15%, 41, and 70% of average, respectively; varying from 15-71% of average. Yields for the Little Snake, Green River, and Little Bear of

Wyoming are expected to be 51%, 55%, and 68% of average respectively; yield estimates vary from 51-78% of average.

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 97% of average for the entire state. Reservoirs in the Wind River Basin are near average at 98%. Reservoirs on the Big Horn are above average at 104%. The Buffalo Bill Reservoir on the Shoshone is above average at 123%. Reservoirs in the northeast are average in storage at 100%. Reservoirs on the North Platte River are below average at 79%. Reservoirs above Flaming Gorge on the Green River are above average at 105%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming March 1, 2013

BASIN AREA	CURRENT AS	LAST YR AS	AVERAGE AS	CURRENT AS	CURRENT AS
RESERVOIR	% CAPACITY	% CAPACITY	% CAPACITY	% AVERAGE	% LAST YR
WYOMING AND S	URROUNDING	STATES			
ALCOVA	85	85	85	101	100
ANGOSTURA	59	80	83	71	74
BELLE FOURCHE	60	73	63	95	82
BIG SANDY	19	59	46	40	31
BIGHORN LAKE	64	63	59	108	101
BOYSEN	80	102	83	97	79
BUFFALO BILL	67	68	54	123	97
BULL LAKE	51	62	50	103	83
DEERFIELD	99	98	87	114	101
ENNIS LAKE	68	72	73	93	94
FLAMING GORGE	79	88	80	98	90
FONTENELLE	41	37	37	110	112
GLENDO	55	81	68	82	69
Grassy Lake	85	81	80	107	105
GUERNSEY	13	34	33	39	39
HEBGEN LAKE	76	78	73	105	98
Jackson Lake	73	76	51	143	97
KEYHOLE	77	88	47	165	88
PACTOLA	89	95	84	107	94
Palisades	44	87	66	67	51
PATHFINDER	42	79	57	73	53
PILOT BUTTE	78	79	74	106	99
SEMINOE	48	83	49	98	57
SHADEHILL	43	45	61	70	95
TONGUE RIVER	61	77	36	172	80
VIVA NAUGHTON	RES 55	66	68	81	84
WHEATLAND #2		AVERAGE	NOT ESTABLISHE	D (CO)	
WOODRUFF NARR	OWS 15	86	55	28	18
TOTAL 25 RESE	RV 58	77	60	97	76

Raw KAF Totals Current=5450 Last Year=7189 Average=5625 Capacity=9383

BASIN SUMMARY OF SNOTEL and SNOW COURSE DATA MARCH 2013

SNOW SITE E	CLEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	NORMAL 81-10
,	WYOMING S	now Course	and Si	NOTEL Stat	ions	
ALBANY	9400	2/26/13	31	6.7	11.7	10.6
ARAPAHO RIDGE SNTL	10960	3/01/13	52	13.4	15.2	
ASTER CREEK	7750	2/27/13	59	19.3	25.1	21.6
BALD MOUNTAIN SNOTEI	9380	3/01/13	47	10.9	18.4	14.7
BASE CAMP	7030	3/01/13	48	13.0	20.1	15.0
BASE CAMP SNOTEL	7030	3/01/13		13.2	18.3	13.5
BATTLE MTN. SNOTEL	7440	3/01/13	29	6.9	10.7	9.9
BEARLODGE DIVIDE	4680	2/25/13	11	2.4	1.3	1.6
BEARTOOTH LK. SNOTEI		3/01/13	49	12.8	20.9	16.7
BEAR RIVER RS SNOTEI		3/01/13	29	6.4	6.1	
BEAR TRAP SNOTEL	8200	3/01/13	31	6.7	7.9	4.4
BIG GOOSE SNOTEL	7760	3/01/13	27	5.2	9.2	6.2
BIG PARK	8620	2/22/13	42	10.6	13.2	14.0
BIG SANDY SNOTEL	9080	3/01/13	38	8.1	12.0	10.1
BLACK BEAR SNOTEL	7950	3/01/13	95	29.8	29.2	29.6
BLACK'S FORK JUNCTN	8930	2/25/13	28	5.2	5.9	6.7
BLACKS FORK JCT SNT	8870	3/01/13	28	5.1	4.9	
BLACKHALL MTN SNOTEI		3/01/13	69	18.1		
BLACKWATER SNOTEL	9780	3/01/13	55	16.4	21.5	17.2
BLIND BULL SNOTEL	8900	3/01/13	54	14.3	19.9	17.9
BLIND PARK SNOTEL	6870	3/01/13	25	5.4	8.4	6.4
BLUE RIDGE	9620	2/25/13	28	5.6	8.8	7.9
BONE SPGS. SNOTEL	9350	3/01/13	44	10.8	18.0	12.0
BROOKLYN LK. SNOTEL	10220	3/01/13		12.5	16.6	15.0
BUCK PASTURE SNOTEL	9700	3/01/13	39	9.2		
BUG LAKE SNOTEL	7950	3/01/13	39	11.6	12.7	14.8
BURGESS JCT. SNOTEL	7880	3/01/13	36	7.7	11.5	8.3
BURROUGHS CRK SNOTEI		3/01/13	32	8.5	12.9	10.7
BUTTER HILL	7880	2/26/13	38	9.0	10.1	11.5
BURT'S-MILLER RANCH	7900	2/26/13	17	3.0	1.8	4.8
BURTS-MILLER RANCH S		3/01/13	18	3.5	5.3	3.5
CAMERON PASS	10300	2/27/13	54	14.6	16.9	19.6
CANYON SNOTEL	8090	3/01/13 3/01/13	39	8.6	10.7	10.5
CASPER MTN. SNOTEL	7850	-, -, -	40	7.1	17.6	10.2
CASTLE CREEK SNOTEL	8400 8400	3/01/13 2/26/13	24	5.0	7.1 5.5	 2 0
CASTLE CREEK		2/20/13	20 37	3.7		3.0
CCC CAMP	7000 9100	3/01/13	5 <i>7</i>	8.7	9.9	9.7
CHALK CK #1 SNOTEL CHAMBERS LAKE	9000	2/27/13	21	13.8	14.0 5.2	18.3
CINNABAR PARK SNOTEI		3/01/13	47	4.0 11.5	15.3	5.8 17.1
CLOUD PEAK SNOTEL	9850	3/01/13	41	9.0	15.2	10.4
COLE CANYON SNOTEL	5910	3/01/13	19	4.3	6.6	5.0
COLD SPRINGS SNOTEL	9630	3/01/13	28	6.1	7.5	5.5
COLUMBINE SNOTEL	9300	3/01/13		15.5	17.9	19.8
COTTONWOOD CR SNOTEI		3/01/13		14.3	17.3	16.9
CROW CREEK SNOTEL	8830	3/01/13	18	3.9	7.7	6.7
DARBY CANYON	8250	2/27/13	57	15.0	16.3	19.0
DEADMAN HILL SNOTEL	10200	3/01/13	45	10.2	15.5	12.4
DEEP LAKE	10500	2/25/13	76	22.5	27.5	
DEEP LAKE	10500	2/25/13	76	22.5	27.5	
DEER PARK SNOTEL	9700	3/01/13	33	9.5	10.6	10.8
DIVIDE PEAK SNOTEL	8860	3/01/13	44	12.0	13.3	15.8
		, = 3				

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10	
DITCH CREEK	6870	2/26/13	10	2.1	3.7	3.1	
DOME LAKE SNOTEL	8880	3/01/13	35	6.9	13.2	8.7	
DU NOIR	8760	2/27/13	23	4.8	7.1	5.1	
EF BLACKS FORK GS S		3/01/13	42	10.1	8.5		
EAST RIM DIV SNOTEL		3/01/13	33	7.9	10.2	8.1	
ELKHART PARK SNOTEL		3/01/13		7.7	11.6	9.4	
ELK RIVER SNOTEL	8600	3/01/13		11.0	13.9	15.5	
EVENING STAR SNOTEL		3/01/13		19.5	24.4	19.1	
FISHER CREEK SNOTEL		3/01/13		25.8		25.8	
FOUR MILE MEADOWS	7860	3/01/13	40	9.3	9.4	9.6	
FOXPARK	9060	2/26/13		3.2	5.7	6.0	
GEYSER CREEK	8500	2/27/13	17	3.5	7.9	4.2	
GLADE CREEK	7040	2/28/13	54	14.7	22.4	18.6	
GRAND TARGHEE SNOTE		3/01/13	108	29.8	30.1	30.2	
GRANITE CRK SNOTEL	6770	3/01/13	44	10.1	15.0	13.8	
GRANNIER MEADOWS	8860	2/25/13	27	6.2	9.6	9.4	
GRASSY LAKE	7270	2/23/13	68	19.6	30.4	27.2	
GRASSY LAKE SNOTEL	7270	3/01/13		21.4	27.6	26.2	
GRAVE SPRINGS SNOTE		3/01/13		5.2	8.2	6.9	
GROS VENTRE SNOTEL	8750	3/01/13	37	8.3	8.5	9.7	
	7000	2/27/13	30	6.9	9.2	8.4	
GROVER PARK DIVIDE			38				
GUNSIGHT PASS SNOTE		3/01/13		9.0	10.6	10.6	
HAIRPIN TURN	9480	2/25/13		7.9	14.1	11.5	
HANSEN S.M. SNOTEL	8360	3/01/13		4.4	5.9	4.7	
HAMS FORK SNOTEL	7840	3/01/13		7.2	9.5	9.2	
HASKINS CREEK	8980	2/26/13		19.4	19.4	24.4	
HOBACK GS	6640	2/25/13		6.4	9.4	8.2	
HOBBS PARK SNOTEL	10100	3/01/13	40	8.8	13.1	9.7	
HUCKLEBERRY DIVIDE	7300	2/27/13	51	13.5	19.5	16.8	
INDIAN CREEK SNOTEL		3/01/13		14.6	17.8	19.0	
JACKPINE CREEK	7350	2/27/13	52	13.8	18.3	17.8	
JOE WRIGHT SNOTEL	10000	3/01/13	47	10.5	12.8	16.6	
KELLEY R.S. SNOTEL	8180	3/01/13	39	9.3	11.7	12.1	
KENDALL R.S. SNOTEL		3/01/13		7.7	13.5	9.7	
LAKE CAMP	7780	3/02/13		8.8	7.6	7.8	
LA PRELE SNOTEL	8380	3/01/13	26	4.5	8.7	7.8	
LARSEN CREEK	9020	2/25/13	25	5.0	7.7	8.2	
LARSEN CREEK SNOTEL		3/01/13	24	5.9	10.5		
LEWIS LAKE SNOTEL	7850	3/01/13	71	21.6	26.0	25.2	
LIBBY LODGE	8750	2/25/13	29	7.5	12.4	8.4	
LITTLE BEAR RUN	6240	2/26/13	13	2.8		3.3	
LITTLE GOOSE SNOTEL		3/01/13	30	6.2	10.4		
LITTLE SNAKE RIVER	8920	3/01/13		15.5	18.6	19.7	
LITTLE WARM SNOTEL	9370	3/01/13	35	7.5	7.3	7.9	
LOOMIS PARK SNOTEL	8240	3/01/13		8.9	12.9	11.7	
MADISON PLT SNOTEL	7750	3/01/13	60	17.3	18.1	17.8	
MALLO	6420	2/26/13	23	5.4	7.9	6.0	
MARQUETTE SNOTEL	8760	3/01/13	22	4.3	8.4		
MEDICINE LODGE LAKE		2/27/13	34	7.5	11.2	7.6	
MIDDLE FORK	7420	2/25/13	19	2.9	6.1	4.0	
MIDDLE POWDER SNOTE		3/01/13	40	8.4	9.9	8.0	
MORAN	6750	3/01/13	31	5.1	13.2	10.4	
MOSS LAKE	9800	2/25/13	53	14.8	15.6	16.6	
MOUNT TOM	5560	2/28/13	17	3.0	5.2	3.7	
NEVER SUMMER SNOTEL		3/01/13	51	10.8	12.1		
NEW FORK SNOTEL	8340	3/01/13	28	6.3	10.4	8.2	
NORRIS BASIN	7500	2/28/13	27	6.0	7.6	8.0	

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10	
N.E. ENTRANCE SNOTE	L 7350	3/01/13	24	6.1	9.3	8.2	
NORTH BARRETT CREEK	9400	2/26/13	56	13.4	14.4	17.0	
NORTH FRENCH SNOTEL	10130	3/01/13	66	17.0	18.4	21.1	
NORTH RAPID CK SNTL	6130	3/01/13	24	5.6	7.7	5.9	
NORTH TONGUE	8450	2/27/13	37	7.7	13.4	9.0	
OLD BATTLE SNOTEL	9920	3/01/13	65	19.0	20.8	23.9	
OLD FAITHFUL	7400	2/27/13		9.0	9.7	11.0	
ONION GULCH	8780	2/28/13		5.3	8.2	5.3	
OWL CREEK SNOTEL	8980	3/01/13		4.3	4.5	3.9	
PARKERS PEAK SNOTEL	9400	3/01/13	60	16.6		16.0	
PHILLIPS BNCH SNOTE	L 8200	3/01/13	58	16.3	20.7	19.7	
POCKET CREEK	9350	2/25/13	33	8.8	9.2	9.0	
POCKET CREEK SNOTEL		3/01/13	39	7.0	9.2		
POLE MOUNTAIN	8700	2/27/13	31	5.1	10.2	6.6	
POWDER RVR.PASS SNT		3/01/13	37	8.6	11.4	8.0	
PURGATORY GULCH	8970	2/26/13		8.2	10.4	8.8	
RANGER CREEK	8120	2/27/13		6.4	9.6	5.8	
RAWAH SNOTEL	9020	3/01/13		8.2	7.4		
RENO HILL SNOTEL	8500	3/01/13		7.7	15.0	10.0	
REUTER CANYON	6280	2/27/13	26	6.8	9.4	7.2	
ROACH SNOTEL	9400	3/01/13	43	9.3	12.2	12.4	
ROWDY CREEK	8300	2/25/13	40	10.2	16.5	13.8	
RYAN PARK	8400	2/26/13		7.6	8.8	9.4	
SAGE CK BASIN SNTL	7850	3/01/13		8.5	14.6	10.6	
SALT RIVER SNOTEL	7600	3/01/13		8.2	9.9	10.6	
SAND LAKE SNOTEL	10050	3/01/13				21.2	
SANDSTONE RS SNOTEL		3/01/13		8.9		10.4	
SAWMILL DIVIDE	9260	2/25/13	43	8.6	14.4	9.6	
SHELL CREEK SNOTEL	9580	3/01/13	41	10.2	16.3	11.6	
SHERIDAN R.S.	7750	2/27/13	15	2.6	3.6	4.2	
SNAKE RIVER STATION		2/27/13	46	12.3	19.0	16.1	
SNAKE RV STA SNOTEL		3/01/13	43	11.3	16.8	14.2	
SNIDER BASIN SNOTEL		3/01/13		8.1	11.8	9.6	
SNOW KING MTN	7660	2/26/13		8.2	10.2	11.2	
SOLDIER PARK SNOTEL		3/01/13		3.1	12.8		
SOLDIER PARK	8780	2/26/13	17	3.0	4.9	3.2	
SOUR DOUGH	8460	2/26/13	25	4.0	5.4	4.2	
SOUTH BRUSH SNOTEL	8440	3/01/13	35	7.7	7.7	10.3	
SOUTH PASS SNOTEL	9040	3/01/13	35	7.8	12.9	11.4	
SPRING CRK. SNOTEL	9000	3/01/13	60	16.2	20.5	18.6	
STILLWATER CAMP	8550	2/25/13	27	5.0	6.1	8.0	
ST LAWRENCE ALT SNT		3/01/13	24	3.8	4.8	5.2	
SUCKER CREEK SNOTEL		3/01/13	42	9.3	13.6	8.9	
SYLVAN LAKE SNOTEL	8420	3/01/13	52	13.9	15.7	15.9	
SYLVAN ROAD SNOTEL	7120	3/01/13	30	7.6	12.1	9.4	
T CROSS RANCH	7900	2/26/13	18	3.5	7.4	5.2	
TETON PASS W.S.	7740	2/27/13	52	14.9	21.4	21.1	
THUMB DIVIDE	7980	2/27/13	40	10.9	12.5	12.5	
THUMB DIVIDE SNOTEL	7980	3/01/13	44	12.0	13.5	12.3	
TIE CREEK SNOTEL	6870	3/01/13	20	4.3	6.9	4.3	
TIMBER CREEK SNOTEL		3/01/13	17	3.0	4.6	3.7	
TOGWOTEE PASS SNOTE		3/01/13	60	16.0	18.8	17.7	
TOWER SNOTEL	10000	3/01/13	82	23.7	27.3	36.3	
TOWNSEND CRK SNOTEL		3/01/13	24	4.2	8.1	6.5	
TRIPLE PEAK SNOTEL		3/01/13	54	14.2	20.4	16.8	
TURPIN MEADOWS	6900	3/01/13	33	7.5	9.8	8.2	
TWENTY-ONE MILE	7150	3/01/13	44	13.4	11.6	12.4	

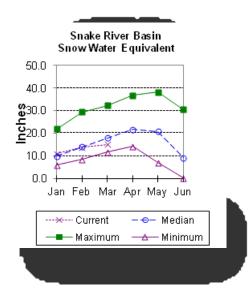
SNOW COURSE	ELEVATION	DATE	SNOW	WATER	LAST	MEDIAN	
			DEPTH	CONTENT	YEAR	81-10	
TWO OCEAN SNOTEL	9240	3/01/13	67	21.1	28.4	21.6	
TYRELL RANGER STA.	8300	2/26/13	26	5.3	7.4	5.2	
WEBBER SPRING SNOTE	L 9250	3/01/13	53	14.9	16.0	18.7	
WHISKEY PARK SNOTEL	8950	3/01/13	63	17.7	19.0	21.5	
WHITE MILL SNOTEL	8700	3/01/13	55	17.1	18.7	18.3	
WILLOW CREEK SNOTEL	8450	3/01/13	64	18.6	22.7	22.2	
WINDY PEAK SNOTEL	7900	3/01/13		3.4	6.8	5.7	
WOLVERINE SNOTEL	7650	3/01/13	25	7.9	11.9	8.5	
WOOD ROCK G.S.	8440	2/25/13	31	5.8	9.8	6.8	
YOUNTS PEAK SNOTEL	8350	3/01/13	38	9.8	14.8	11.7	
ZIRKEL SNOTEL	9340	3/01/13	50	16.5	22.7		

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 84% of normal. SWE in the Snake River Basin above Jackson Lake is 84% of normal. Pacific Creek Basin SWE is 87% of normal. SWE in the Buffalo Fork basin is 90% of normal. Gros Ventre River Basin SWE is 88% of normal. SWE in the Hoback River drainage is 79% of normal. SWE in the Greys River drainage is 84% of normal.



% of normal. See the "Basin Summary of Snow lourse Data" at the beginning of this report or a detailed listing of snow course nformation.

'recipitation

recipitation across the basin was below verage last month. Monthly precipitation for he basin was 47% of average (40% of last ear). Last month's percentages range from 5-76% of average for the 26 reporting tations. Water-year-to-date precipitation is 6% of average for the Snake River Basin (82% f last year). Year-to-date percentages range rom 70-106% of average.

leservoirs

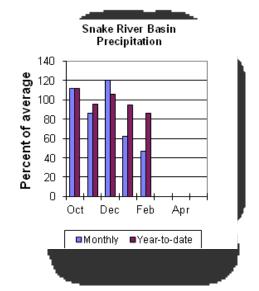
urrent reservoir storage is 91% of average or the 3 storage reservoirs in the basin.

Grassy Lake storage is about 107% of average (12,900 ac-ft compared to 12,300 last year). Jackson Lake storage is 143% of average (621,300 ac-ft compared

to 640,000 ac-ft last year). Palisades Reservoi average (1,254,500 ac-ft compared to 1,875,800 ac-ft last year). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for April through September are below average for the basin. The Snake near Moran is 705,000 ac-ft 83% of average). Snake River above reservoir near Alpine is 1,960,000 ac-ft (78% of average). The Snake near Irwin is 2,710,000 ac-ft (77% of average). The Snake near Heise is 2,910,000 ac-ft (77% 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 280,000 ac-ft (78% of average). Salt River



Mar 1, 2013

near Etna is 265,000 ac-ft (72% of average). See the following page for detailed runoff volumes.

Snake River Basin

Streamflow Forecasts - March 1, 2013

==========					, 		
 Forecast Pt	<=== Dr	ier ===	Future C	onditions	=== Wett	er ===>	
Forecast							
Period							
==========							
Snake R nr Mor							
APR-JUL	453	578	635	83	692	817	765
APR-SEP	496	640	705	83	770	914	845
Snake R nr Alp	oine (1,2)					
APR-JUL	1200	1544	1700	78	1856	2200	2170
APR-SEP	1369	1775	1960	78	2145	2551	2500
Snake R nr Irv	$\sin (1,2)$						
APR-JUL	1678	2119	2320	77	2521	2962	3010
APR-SEP	1997	2487	2710	77	2933	3423	3500
Snake R nr Hei	se (2)						
APR-JUL	1934	2259	2480	77	2701	3026	3240
APR-SEP	2294	2661	2910	77	3159	3526	3780
Pacific Ck At	Moran						
APR-JUL	92	119	137	84	155	182	164
APR-SEP	98	126	145	84	164	192	173
Buffalo Fork a	ab Lava n	r Moran					
APR-JUL	188	222	245	88	268	302	280
APR-SEP	209	248	275	86	302	341	320
Greys R Nr Alp	oine						
APR-JUL	177	214	240	79	266	303	305
APR-SEP	204	249	280	78	311	356	360
Salt R Nr Etna	ì						
APR-JUL	94	163	210	70	257	326	300
APR-SEP	125	208	265	72	322	405	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 February

	Usable	*****	 Usable Storage	****
Reservoir	Capacity	This Year	Last Year	Average
Grassy Lake	15.2	12.9	12.3	12.1
Jackson Lake	847.0	621.3	640.0	434.7
Palisades	1400.0	620.3	1223.5	925.7

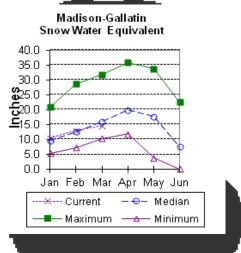
SNAKE RIVER BASIN Watershed Snowpack Analysis - March 1, 2013

	Number of	This Year as F	Percent of
Watershed	Data Sites	Last Year	Median
SNAKE above Jackson Lake	9	73	84
PACIFIC CREEK	3	66	87
BUFFALO FORK	4	81	90
GROS VENTRE RIVER	4	82	83
HOBACK RIVER	5	72	79
GREYS RIVER	5	77	84
SALT RIVER	5	82	84
SNAKE above Palisades	31	75	83

Madison-Gallatin Rivers Basin

Snow

Snow water equivalent (SWE) is at 91% of normal in the Madison-Gallatin ry of Snow Course Data" at the front of this port for details.



recipitation

ast month precipitation in the Madison-Gallatin cainage was about 40% of average (34% of last ear). The 6 reporting stations percentages ange from 25-48% of average. Water-year-to-ate precipitation is about 91% of average (90% E last year's amount). Year to date percentage anges from 75-96%.

eservoirs

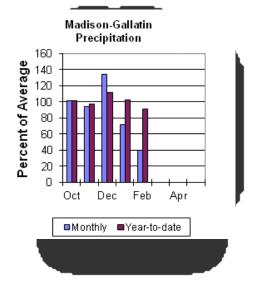
inis Lake is storing about 27,800 ac-ft of
iter (68% of capacity, 93% of average or 94% of

ist year's vc
pout 287,800
>-ft of water
76% of

capacity, 105% of average or 98% of last year's volume). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecast for April through September is below average for the basin. Hebgen Reservoir inflow is 430,000 ac-ft (92% of average). See the following page for detailed runoff volumes.



Madison-Gallatin Rivers Basin

MAI	DISON-GALLA	NITA	RIVE:	R	BASINS
Streamflow	Forecasts	- M	arch	1,	2013

1	<=== Drie	r === Fut	ure Condi	tions ===	Wetter =	===>	
1						1	
Forecast Pt =		==== Cha	nce of Exc	eeding * =			
Forecast	90%	70%	50%	30)응 1	L0% 30	Yr Avg
Period (1000AF) (1	L000AF) (1	000AF) (%	AVG.) (100	00AF) (10	000AF) (10	000AF)
=========							
Hebgen Reservo:	ir Inflow	(2)					
APR-JUL	265	305	330	89	355	395	370
APR-SEP	350	400	430	92	460	510	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 February

Reservoir	Usable	********	Usable Storage	*******
	Capacity	This Year	Last Year	Average
ENNIS LAKE	41.0	27.8	29.6	29.8
HEBGEN LAKE	377.5	287.8	293.5	274.6

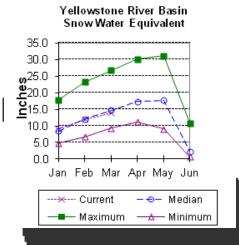
MADISON-GALLATIN RIVER BASINS

	Number of	This Year as	Percent of
Watershed	Data Sites	Last Year	Median
MADISON RIVER in WY	8	91	91

Yellowstone River Basin

Snow

f Snow Course Data" at the front of this report or details.



recipitation

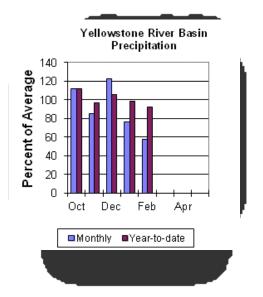
ast month precipitation in the Yellowstone rainage was about 58% of average (49% of last ear). The 15 reporting stations percentages ange from 27-93% of average. Water-year-to-ate precipitation is about 92% of average (82% f last year's amount). Year to date percentage anges from 56-122%.

eservoirs

o reservoir ata for the asin.

treamflow

The DU% exceedance forecasts for April through September are below average for the basin. Yellowstone at Lake Outlet is 660,000 ac-ft (86% of average). Yellowstone at Corwin Springs will yield around 1,680,000 ac-ft (89% of average). Yellowstone near Livingston will yield around 1,920,000 ac-ft (90% of average). The Clark's Fork of the Yellowstone River should yield around 495,000 ac-ft (90% of average). See the following page for detailed runoff volumes.



Yellowstone River Basin

Streamflow Forecasts - March 1, 2013

	======================================		=======	========	=======
rier ===	future Co	naitions	=== wett	er ===>	
=======================================	Chance of :	Exceeding	* =====	i	
70%		• 1			30 Yr Avg
(1000AF)	(1000AF) 	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
owstone La	 ke				
455	500	87	545	615	575
600	660	86	720	810	770
in Springs					
1320	1440	91	1560	1750	1590
1530	1680	89	1830	2050	1880
ngston					
1480	1640	91	1800	2030	1800
1730	1920	90	2110	2380	2140
	70% (1000AF) ====================================				70% 50% 30% 10% (1000AF) (1000AF) (% AVG.) (1000AF) (1000AF) owstone Lake

- (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

	Number of	This Year as Pe	rcent of			
Watershed	Data Sites	Last Year I	Median			
	===========					
YELLOWSTONE RIVER in WY	9	83	95			
CLARKS FORK in WY	8	79	94			

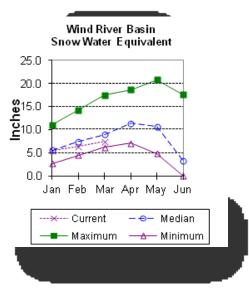
^{* 90%, 70%, 50%, 30%,} and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1981-2010 base period.

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 83% of normal for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 84% of normal. The Little Wind SWE is 85% of normal, and the Popo Agie drainage SWE is about 75% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.



recipitation

ast month's precipitation in the basin aried from 18-175% of average. recipitation, for the basin, was about 68% f average from the 14 reporting stations; hat is about 52% of last year's amount. ater year-to-date precipitation is 79% of verage and about 72% of last year at this ime. Year-to-date percentages range from 4-132% of average.

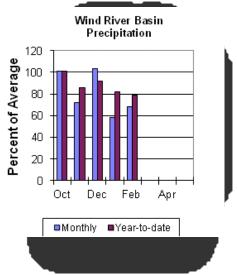
eservoirs

urrent storage in Bull Lake is about 77,600 c-ft (103% of average) - the reservoir is at 3% of last year. Boysen Reservoir is toring about 97% of average (478,900 ac-ft) the reservoir is about 79% of last year. ilot Butte is at 106% of average (24,800 ac-

ft) - the reservoir is at 99% 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 88,000 ac-ft (96% of average). The Wind River above Bull Lake Creek is 415,000 acft (85% of average). Bull Lake Creek near Lenore is 154,000 ac-ft (91% of average). Wind River at Riverton will yield around 450,000 ac-ft (82% of average). Little Popo Agie River near Lander is around 27,000 ac-ft (55% of average). South Fork of Little Wind near Fort Washakie will yield around 67,000 ac-ft (82% of average). Little Wind River near Riverton will yield around 157,000 ac-ft (53% of average). Boysen Reservoir inflow will yield around 485,000 ac-ft (73% of average). See the following page for detailed runoff volumes.



Wind River Basin

Streamflow Forecasts - March 1, 2013

Defeation 1016dates 14161 1, 2013							
	<=== Dr	rier ===	Future Co	onditions	=== Wett	er ===>	
Forecast Pt	======	======	Chance of	Exceeding	* =====	=======	
Forecast	90%	70%	50)% <u> </u>	30%	10%	30 Yr Avg
Period				(% AVG.)			
Dinwoody Ck						=======	=======
APR-JUL	49	57	62	94	67	75	66
APR-SEP	71	81	88	96	95	105	92
Wind R ab Bu	ll Lake Ck	(2)					
APR-JUL	225	290	335	84	380	445	400
APR-SEP	285	365	415	85	465	545	490
Bull Lake Ck	nr Lenore	:					
APR-JUL	95	114	126	91	138	157	139
APR-SEP	116	138	154	91	170	192	169
Wind R at Ri	verton (2)						
APR-JUL	225	320	385	81	450	545	475
APR-SEP	260	375	450	82	525	640	550
Little Popo	Agie R nr	Lander					
APR-JUL	6.9	15.9	22	52	28	37	42
APR-SEP	10.8	20	27	55	34	43	49
SF Little Wi	nd R nr Fo	rt Washak					
APR-JUL	39	51	59	82	67	79	72
APR-SEP	44	58	67	82	76	90	82
Little Wind	_						
APR-JUL	5.0	82	134	50	186		270
APR-SEP	15.0	100	157	53	215	300	295
Boysen Reser	voir Inflo	w (2)					
APR-JUL	50	280	435		590	820	610
APR-SEP	54	310	485	73	660	915	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 February

	Usable	*****	Usable Storage	*****
Reservoir	Capacity	This Year	Last Year	Average
=======================================			===========	
BULL LAKE	151.8	77.6	93.6	75.4
BOYSEN	596.0	478.9	608.1	495.8
PILOT BUTTE	31.6	24.8	25.1	23.3

WIND RIVER BASIN Watershed Snowpack Analysis - March 1, 2013

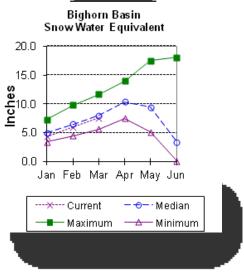
	Number of	This Year as	Percent of				
Watershed	Data Sites	Last Year	Median				
WIND RIVER above Dubois	7	71	84				
LITTLE WIND	2	70	85				
POPO AGIE	7	65	75				
WIND above Boysen Resv	17	70	83				
=======================================	==========		=========				

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 95% of normal. The Nowood River is at 104% of normal. The Greybull River SWE is at 81% of normal. Shell Creek SWE is 87% of normal. See the "Basin Summary of Snow

ourse Data" at the front of this report for etails.



recipitation

ast month's precipitation was 89% of average 47% of last year). Sites ranged from 53-175% f average for the month. Year-to-date recipitation is 90% of average; that is 70% of ast year at this time. Year-to-date ercentages, from the 14 reporting stations, ange from 58-132%.

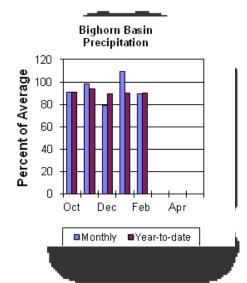
eservoirs

oysen Reservoir is currently storing 478,900

c-ft (97% of 63,900 ac-ft 108% of verage).

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 485,000 ac-ft (71% of average); the Greybull River near Meeteetse should yield around 164,000 ac-ft (93% of average); Shell Creek near Shell should yield around

62,000 ac-ft (94% of average) and the Bighorn River at Kane should yield around 685,000 ac-ft (76% of average). See the following page for detailed runoff volumes.

Bighorn River Basin

Streamflow Forecasts - March 1, 2013

=========							
	<=== Dr:	ier ===	Future Cor	nditions	=== Wett	er ===>	
						1	
Forecast Pt	======		Chance of E	Exceeding	, * =====	======	
Forecast	90%	70%	509	j	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
		- (2)					
Boysen Rese			425	7.1	F.0.0	0.00	61.0
APR-JUL	50	280	435	71	590	820	610
APR-SEP	54	310	485	73	660	915	665
Greybull R 1	nr Meeteets	€					
APR-JUL	84	106	121	92	136	158	131
APR-SEP	116	145	164	93	183	210	177
Shell Ck nr	Shell						
APR-JUL	35	44	50	91	56	65	55
APR-SEP	45	55	62	94	69	79	66
Bighorn R at	t Kane (2)						
APR-JUL	115	425	635	76	845	1160	840
APR-SEP	119	455	685	76	915	1250	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 February

	Usable	*****	Usable Storage	*****			
Reservoir	Capacity	This Year	Last Year	Average			
=======================================		========		========			
BOYSEN	596.0	478.9	608.1	495.8			
BIGHORN LAKE	1356.0	863.9	855.1	797.1			

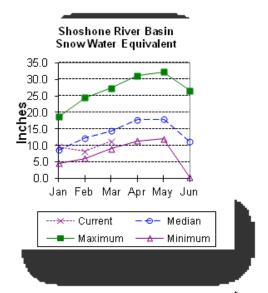
BIGHORN RIVER BASIN

Watershed	Number of Data Sites	This Year as I Last Year	Percent of Median
NOWOOD RIVER	7	73	104
GREYBULL RIVER	1	56	81
SHELL CREEK	4	61	87
BIGHORN (Boysen-Bighorn)	12	66	95

Shoshone River Basin

Snow

Snowpack in this basin is above normal for this time of year. Snow Water Equivalent (SWE) is 92% of normal in the Shoshone River Basin. The Clarks



ork River drainage SWE is 94% of normal. See he "Basin Summary of Snow Course Data" at the ront of this report for details.

recipitation

recipitation for last month was 65% of verage (46% of last year). Monthly ercentages range from 33-250% of average. he basin year-to-date precipitation is now 3% of average (74% of last year). Year-to-ate percentages range from 53-117% of average or the 5 reporting stations.

eservoirs

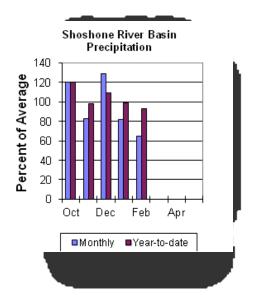
urrent storage in Buffalo Bill Reservoir is bout 123% of average (97% of last year's torage) - the reservoir is at about 67% of

apacity. Cu

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 470,000 ac-ft (91% of average). The South Fork of the Shoshone River near Valley is 220,000 ac-ft (90% of average), and the South Fork above Buffalo Bill Reservoir runoff is 169,000 ac-ft (85% of average). The Buffalo Bill Reservoir inflow is expected to yield around 665,000 ac-ft (89% of average). See the following page for detailed runoff volumes.



Shoshone River Basin

Streamflow Forecasts - March 1, 2013

=========	=======	========	=========	========	========	========	========
1	<=== Dr	ier === E	Tuture Cor	nditions	=== Wett	er ===>	
į						į	
Forecast Pt	======	======	Chance of E	Exceeding	* =====	=======	
Forecast	90%	70%	50%	j	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
========	======					=======	========
NF Shoshone R	_						
APR-JUL	320	380	420	91	460	520	460
APR-SEP	360	425	470	91	515	580	515
SF Shoshone R	nr Valle	У					
APR-JUL	144	171	190	88	210	235	215
APR-SEP	166	197	220	90	240	270	245
SF Shoshone R	ab Buffa	lo Bill Re	es				
APR-JUL	89	133	163	85	193	235	193
APR-SEP	91	137	169	85	200	245	200
Buffalo Bill	Reservoir	Inflow (2	2)				
APR-JUL	440	535	600	89	665	760	675
APR-SEP	490	595	665	89	735	840	745
Clarks Fk Yel	lowstone :	R nr Belfr	ĴΥ				
APR-JUL	355	415	455	89	495	555	510
APR-SEP	385	450	495	90	540	605	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.

(c) 1000011 Variat acca in pract of average.

SHOSHONE RIVER BASIN

Reservoir Storage (1000AF) End of February

	Usable	*****	Usable Storage	*****			
Reservoir	Capacity	This Year	Last Year	Average			
BUFFALO BILL	646.6	430.0	442.0	350.7			

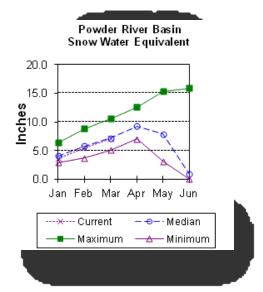
SHOSHONE RIVER BASIN

			==
	Number of	This Year as Percent of	
Watershed	Data Sites	Last Year Median	
			==
SHOSHONE RIVER	5	74 92	

Powder River Basin

Snow

Snow water equivalent (SWE) in the Upper Powder River drainage is 105% of



ormal. SWE in the Clear Creek drainage is 91% f normal. Crazy Woman Creek drainage is 102% f normal. Powder River Basin SWE in yoming is 99% of normal. For more nformation see "Basin Summary of Snow Course ata" at the beginning of this report.

recipitation

ast month's precipitation was 98% of average or the 11 reporting stations (54% of last ear). Monthly percentages range from 21-169% f average. Year-to-date precipitation is 97% f average in the basin; this is 75% of last ear at this time. Precipitation for the year anges from 61-132% of average.

eservoirs

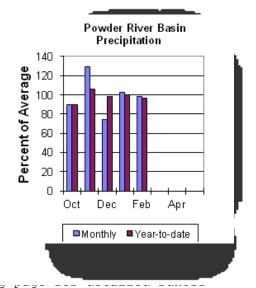
o reservoir

data for the basin.

Streamflow

volumes.

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 19,500 ac-ft (89% of average), and Piney Creek at Kearny should yield about 39,000 ac-ft (83% of average). The Powder River at Moorhead is 178,000 ac-ft (91% of average). The Powder River near Locate is 200,000 ac-ft (91% of average). See the follow...,



Powder River Basin

Streamflow Forecasts - March 1, 2013

	<=== Dr	ier ===	Future Co	onditions	=== Wett	er ===>	
						I	
Forecast Pt	======	======	Chance of	Exceeding	* =====	=======	
Forecast			1 50				30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
MF Powder R r			=======	=======	=======	=======	
		13.0	15.3	95	17.6	21	16.1
		13.8	16.2		18.6		
NF Powder R r			10.2	93	10.0	22	17.0
	6.4		9.6	106	10 0	12.8	9.1
APR-SEP		9.0	10.4	105	11.8	13.8	9.9
Rock Ck nr Bu		100	1.0.1	0.5	100	0.4	10.6
		13.0		87			
-	11.3	16.2	19.5	89	23	28	22
Piney Ck at F	-						
APR-JUL	11.5	26	36	82	46	61	44
APR-SEP	14.1	29	39	83	49	64	47
Powder R at N	Moorhead						
APR-JUL	43	111	157	89	205	270	177
APR-SEP	60	130	178	91	225	295	196
Powder R nr I	Locate						
APR-JUL	42	122	177	89	230	310	199
APR-SEP	55	141	200	91	260	345	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 - March 1, 2013

______ Number of This Year as Percent of Data Sites Last Year Median ______ UPPER POWDER RIVER 105 CLEAR CREEK 53

3 9 POWDER RIVER in WY 64 99 ______

72

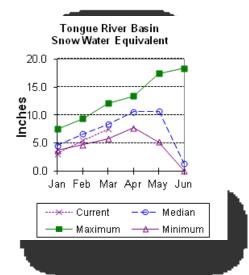
CRAZY WOMAN CREEK

102

Tongue River Basin

Snow

Snow water equivalent (SWE) in the Tongue River drainage is 90% of normal.



of normal. For more information see "Basin ummary of Snow Course Data" at the beginning f this report.

recipitation

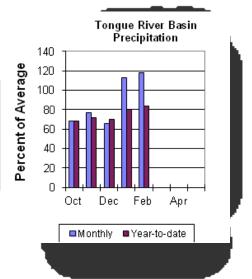
ast month's precipitation was 118% of average or the 9 reporting stations (71% of last ear). Monthly percentages range from 57-233% f average. Year-to-date precipitation is 84% f average in the basin; this is 59% of last ear at this time. Precipitation for the year anges from 74-148% of average.

eservoirs

he Tongue River Reservoir currently is storing 72% of average (48,400 ac-ft) compared to 80% f last year's

treamflow

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 84,000 ac-ft (86% of average). Big Goose Creek near Sheridan is 43,000 ac-ft (80% of average). Little Goose Creek near Bighorn is 32,000 ac-ft (82% of average). The Tongue River Reservoir Inflow is 165,000 ac-ft (77% of average). See the following page for detailed runoff volumes.



Tongue River Basin

Streamflow Forecasts - March 1, 2013

=======================================	======== <=== Dr	====== ier ===	======== Future Cor	====== nditions	==== Wett	======= er ===>	=======
					.i.		
Forecast Pt			Chance of E	_			
Forecast		70%	50%		30%		30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
Tongue R nr I	-						
APR-JUL	42	60	73	85	86	104	86
APR-SEP	50	70	84	86	98	118	98
Big Goose Ck	nr Sherid	an					
APR-JUL	15.5	27	35	76	43	54	46
APR-SEP	23	35	43	80	51	63	54
Little Goose	Ck nr Big	horn					
APR-JUL	13.0	20	25	81	30	37	31
APR-SEP	18.9	27	32	82	37	45	39
Tongue River	Reservoir	Inflow	(2)				
APR-JUL	35	101	145	75	189	255	193
APR-SEP	49	118	165	77	210	280	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 February

Reservoir	Usable Capacity		Usable Storage Last Year	******* Average
TONGUE RIVER	79.1	48.4	60.6	28.2

TONGUE RIVER BASIN

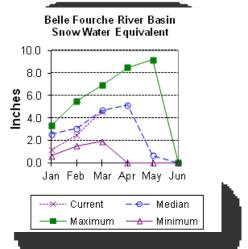
Watershed	Number of Data Sites	This Year as I	Percent of Median
watershed	======================================	:=========	======================================
GOOSE CREEK	3	57	84
TONGUE RIVER BASIN	9	60	90

Belle Fourche River Basin

Snow

The Belle Fourche River Basin SWE is 97% of normal at this time of year. For mary of Snow Course Data" at the beginning of

his report.



recipitation

recipitation for last month was 96% of average r 48% of last year in the Black Hills. There ere 3 reporting stations. Year-to-date recipitation is 69% of average and 68% of last ear's amount.

eservoirs

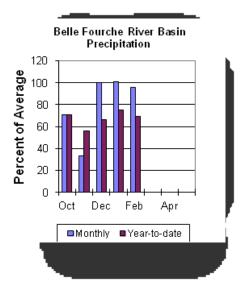
elle Fourche reservoir is storing 95% of verage (107,200 ac-ft), about 60% of capacity. eyhole reservoir is storing 165% of average

149,200 ac-ft), hadehill eservoir is toring 70% of verage (35,200

ac-ft), about 43% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



There are no streamflow forecast points for the basin.



Belle Fourche River Basin

Streamflow Forecasts - March 1, 2013

=========					========		========
	<=== Dri	er ===	Future	Conditions	=== Wette	er ===>	
						I	
Forecast Pt	======	=====	Chance of	of Exceedin	g * =====	======	
Forecast	90%	70%		50%	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)) (1000A	F) (% AVG.)	(1000AF)	(1000AF)	(1000AF)

- * 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.

BELLE FOURCHE RIVER BASIN

Reservoir Storage (1000AF) End of February

Usable ********* Usable Storage ********

Reservoir Capacity This Year Last Year Average

BELLE FOURCHE 178.4 107.2 130.9 113.0

KEYHOLE 193.8 149.2 170.2 90.6

SHADEHILL 81.4 35.2 37.0 50.0

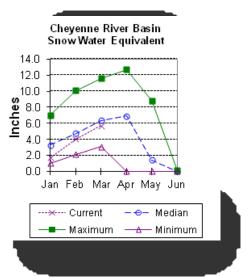
BELLE FOURCHE RIVER BASIN

	Number of	This Year as Percent	of			
Watershed	Data Sites	Last Year Median				
=======================================			=====			
BELLE FOURCHE	6	74	97			

Cheyenne River Basin

Snow

The Cheyenne River Basin SWE is 90% of normal at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



recipitation

recipitation for last month was 124% of verage or 86% of last year in the Black Hills. here were 4 reporting stations. Monthly ercentages range from 25-219%. Year-to-date recipitation is 91% of average and 66% of last ear's amount. Yearly percentages range from 6-109% of average.

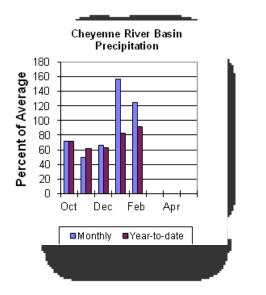
eservoirs

ngostura is currently storing 71% of average 72,200 ac-ft), about 59% of capacity. eerfield reservoir is storing 114% of average 15,100 ac-ft), about 99% of capacity. Pactola eservoir is storing 107% of average (49,100 c-ft), about 89% of capacity. Detailed eservoir data is shown on the following page

and on the reservoir storage summary at 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 4,700 ac-ft (90% average). Pactola Reservoir Inflow is expected to yield around 19,500 ac-ft (89% of average). See the following page detailed runoff volumes.



Cheyenne River Basin

Streamflow Forecasts - March 1, 2013

=========							
	<=== Dr	ier ===	Future Co	onditions	=== Wett	er ===>	
						1	
Forecast Pt	======		Chance of	Exceeding	* =====	=======	
Forecast	90%	70%	50	D용 [30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
========							
Deerfield Re	servoir In	flow (2)					
MAR-JUL	1.8	4.0	5.6	90	7.2	9.4	6.2
APR-JUL	2.4	3.7	4.7	90	5.8	7.7	5.2
Pactola Rese	rvoir Infl	ow (2)					
MAR-JUL	5.2	15.8	23	92	30	41	25
Pactola Rese	rvoir Infl	WO					
APR-JUL	8.2	14.3	19.5	89	25	36	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 February

	Usable	******	Usable Storage	*****
Reservoir	Capacity	This Year	Last Year	Average
ANGOSTURA	122.1	72.2	98.2	101.7
DEERFIELD	15.2	15.1	14.9	13.2
PACTOLA	55.0	49.1	52.2	46.0

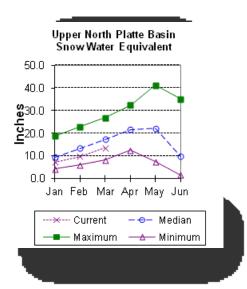
CHEYENNE RIVER BASIN

	Number of	This Year as Pe	rcent of
Watershed	Data Sites	Last Year	Median
=======================================			========
CHEYENNE BASIN	7	68	90

Upper North Platte River Basin

Snow

The stations above Seminoe Reservoir are showing about 78% of normal (SWE) for this time of the year. SWE in the drainage area above Northgate is 73% of normal at this time. SWE in the Encampment River drainage is about 82% of



eyear is about 81% of normal. Medicine Bow nd Rock Creek drainages SWE are about 83% of ormal. For more information see "Basin ummary of Snow Course Data" at the beginning f this report.

recipitation

welve reporting stations show last month's recipitation at 90% of average or 68% of last ear's amount. Precipitation varied from 45-56% of average last month. Total water-year-o-date precipitation is about 79% of average or the basin, which is about 86% of last ear's amount. Year to date percentage ranges rom 70-101% of average.

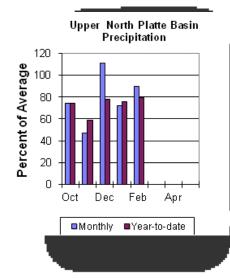
leservoirs

eminoe Reservoir is estimated to be storing 85,600 ac-ft or 48% of capa

Reservoir is also storing about 98% of average for this time of the year and 57% 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 95,000 ac-ft (38% of average). The Encampment River near Encampment is 90,000 ac-ft (65% of average). Rock Creek near Arlington is 37,000 ac-ft (71% of average). Seminoe Reservoir inflow should be around 355,000 ac-ft (46% of average). See the following table for more detailed information on projected runoff.



Upper North Platte River Basin

Streamflow Forecasts - March 1, 2013

	<=== Dr	ier ===	Future Co	nditions	=== Wett	er ===>	
Forecast Pt	======	======	Chance of	Exceeding	* =====	=======	
Forecast	90%	70%	50	응	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)) (1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
				======			
North Platte		_					
APR-JUL	25	41	86	38	131	197	225
APR-SEP	30	45	95	38	145	220	250
Encampment R	nr Encamp	ment					
APR-JUL	42	67	84	65	101	126	129
APR-SEP	45	72	90	65	108	135	138
Rock Ck nr Ai	clington						
APR-JUL	19.1	29	35	71	41	51	49
APR-SEP	20	30	37	71	44	54	52
Sweetwater R	nr Alcova	L					
APR-JUL	6.5	10.0	22	37	34	51	59
APR-SEP	7.5	12.8	26	41	39	58	64
Seminoe Reser	rvoir Infl	ow (2)					
APR-JUL	105	159	330	46	500	755	715
APR-SEP	110	168	355	46	540	820	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 February

Usable ********* Usable Storage ********
Reservoir Capacity This Year Last Year Average

SEMINOE 1016.7 485.6 845.8 493.1

UPPER NORTH PLATTE RIVER BASIN Watershed Snowpack Analysis - March 1, 2013

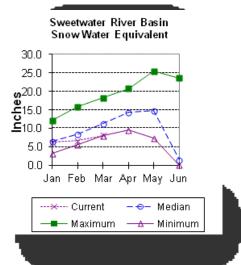
watershed showpack Analysis March 1, 2015

Watershed	Number of Data Sites	This Year as Pe Last Year	ercent of Median
N PLATTE above Northgate	7	87	73
ENCAMPMENT RIVER	4	90	82
BRUSH CREEK	5	93	81
MEDICINE BOW & ROCK CREEKS	2	83	83
N PLATTE above Seminoe	18	88	78

Sweetwater River Basin

Snow

SWE for the Sweetwater River Basin is at 72% of normal. For more information se Data" at the beginning of this report.



recipitation

ast month's precipitation was 45% of average r 36% of last year's amount. The water year-o-date precipitation for the basin is urrently 62% of average (63% of last year).

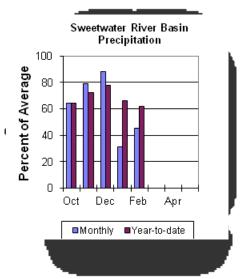
eservoirs

eservoir storage is as follows. Pathfinder

27,500 ac-ft (73% f average). Last ear at this time he reservoir was 99,500 ac-ft.

treamflow

exceedance forecasts for the April through September period. The Sweetwater River near Pathfinder is forecast to yield about 26,000 ac-ft (41% of average). See the following table for more detailed information on projected runoff.



Sweetwater River Basin

Streamflow Forecasts - March 1, 2013

	<=== Dr	====== ier ===	Future Co	======= onditions	=== Wett	er ===>	
 Forecast Pt			Chance of	Exceeding	* =====	 ======	
Forecast	90%	70%	50	0%	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
Sweetwater R	nr Alcova						
APR-JUL	6.5	10.0	22	37	34	51	59
APR-SEP	7.5	12.8	26	41	39	58	64
* 90%. 70%	======= - 50%- 30	======== %. and 10	% chances	of exceedi	ng are t	he probabi	======== lities that

- 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 February ______

Usable ******** Usable Storage ******* Capacity This Year Last Year Average Reservoir ______ 1016.5 427.5 799.4 582.4 PATHFINDER

SWEETWATER RIVER BASIN

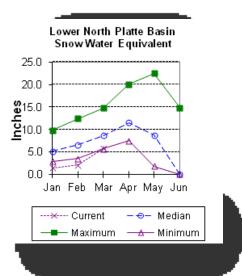
Watershed Snowpack Analysis - March 1, 2013

Number of This Year as Percent of Data Sites Last Year Median Watershed ______ SWEETWATER 67 ______

Lower North Platte River Basin

Snow

SWE for the Lower North Platte River Basin (Laramie Range Mts.) is at 67% of normal. Deer and LaPrele Creek SWE are at 69% of normal. SWE for the North



latte (includes Upper North Platte, Sweetwater nd Laramie River Basins) is 76% of normal. or more information see "Basin Summary of Snow ourse Data" at the beginning of this report.

recipitation

ast month's precipitation was 162% of average r 102% of last year's amount. Of the 5 eporting stations, percentages for the month ange from 88-209%. The water year-to-date recipitation for the basin is currently 70% of verage (51% of last year). Year-to-date ercentages range from 58-80% of average

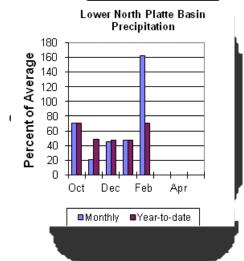
eservoirs

eservoir storage s as follows: lcova 157,100 ac-

of average); Guernsey 6,000 ac-ft (82% of average); Pathfinder 427,500 ac-ft (73% of average).

Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. North Platte - Alcova to Orin Gain is forecast to yield 20,000 ac-ft (15% of normal). North Platte River below Glendo Reservoir is 295,000 ac-ft (35% of average), and below Guernsey Reservoir is anticipated to yield



around 295,000 ac-ft (35% of average). See the following table for more detailed information on projected runoff.

Lower North Platte River Basin

Streamflow Forecasts - March 1, 2013

<=== Drier === Future Conditions === Wetter ===>								
İ						i		
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	37	193	300	37	405	565	820	
APR-SEP	17.0	183	295	35	405	575	850	
North Platte R bl Guernsey Res (2)								
APR-JUL	110	198	290	35	425	620	820	
APR-SEP	110	200	295	35	435	635	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 February

Reservoir	Usable	*******	Usable Storage	******
	Capacity	This Year	Last Year	Average
ALCOVA	184.3	157.1	157.1	155.8
GLENDO	506.4	280.9	408.1	342.9
GUERNSEY	45.6	6.0	15.4	15.2
PATHFINDER	1016.5 	427.5	799.4 =========	582.4

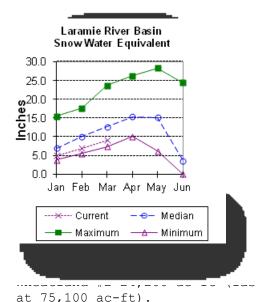
LOWER NORTH PLATTE RIVER BASIN

Watershed	Number of Data Sites	This Year as Perce Last Year Med					
DEER & LaPRELE CREEKS	2	51	69				
N PLATTE Laramie Range Mts.	4	47	67				

Laramie River Basin

Snow

SWE for the Laramie River Basin above mouth is at 72% of normal. SWE for the



72% of normal. SWE for the Little Laramie iver is 74% of normal. For more information ee "Basin Summary of Snow Course Data" at the eginning of this report.

recipitation

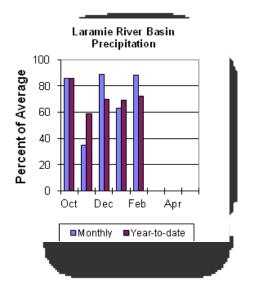
ast month's precipitation was 88% of average r 56% of last year's amount. Of the 5 eporting stations, percentages for the month ange from 29-210%. The water year-to-date recipitation for the basin is currently 72% of verage (68% of last year). Year-to-date ercentages range from 66-78% of average.

eservoirs

eservoir torage is as ollows: year it was

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 88,000 ac-ft (70% of average). The Little Laramie near Filmore should produce about 36,000 ac-ft (66% of average). See the following table for more detailed information on projected runoff.



Laramie River Basin

Streamflow Forecasts - March 1, 2013

=========							
	<=== Dr	ier === F	uture Co	nditions	=== Wette	er ===>	
i						i	
Forecast Pt	======	C	hance of	Exceeding	* =====		
Forecast	90%	70%	50	응	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
=========							
Laramie R nr	Woods						
APR-JUL	45	66	80	70	94	115	115
APR-SEP	49	72	88	70	104	127	126
Little Larami	e R nr Fi	.lmore					
APR-JUL	14.3	26	34	67	42	54	51
APR-SEP	14.0	27	36	66	45	58	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 February

Reservoir	Usable Capacity		Usable Storage Last Year	******* Average		
WHEATLAND #2	98.9	24.2	75.1			

LARAMIE RIVER BASIN

Watershed	Number of Data Sites	This Year as : Last Year	Percent of Median
LARAMIE RIVER abv Laramie	6	69	72
LITTLE LARAMIE RIVER	5	66	74
LARAMIE RIVER above mouth	12	66	72
NORTH PLATTE TOTAL RIVER BAS	35	77	76

South Platte River Basin

Snow

SWE for the South Platte River Basin is at 69% of normal. For more of Snow Course Data" at the beginning of this

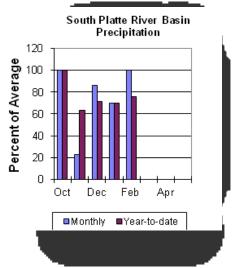
eport. South Platte River Basin Snow Water Equivalent recipitation 25.0 ast month's precipitation was 100% of average 20.0 r 60% of last year's amount. The water yearo-date precipitation for the basin is currently 15.0 10.0 6% of average (64

Reservoirs

o reservoir data or the basin.

treamflow

here are no treamflow orecast points or the basin.



SOUTH PLATTE RIVER BASIN

Streamflow Forecasts - March 1, 2013

=========							
	<=== Dr:	ier ===	Future	Conditions	=== Wett	er ===>	
						I	
Forecast Pt	=======		Chance	of Exceedin	g * =====	======	
Forecast	90%	70%	1	50%	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF) (1000A	.F) (% AVG.)	(1000AF)	(1000AF)	(1000AF)
=========				=======	=======	=======	

* 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.

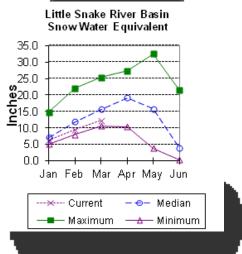
SOUTH PLATTE RIVER BASIN

	Number of	This Year as Per	rcent of				
Watershed	Data Sites	Last Year N	Median				
SOUTH PLATTE RIVER	7	70	69				

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is on see "Basin Summary of Snow Course Data" to the beginning of this report.



recipitation

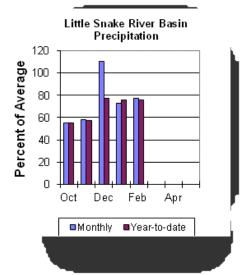
recipitation across the basin was 77% of verage (57% of last year) for the 8 eporting stations. Last month's recipitation ranged from 65-123% of verage. The Little Snake River basin ater-year-to-date precipitation is urrently 76% of average (85% of last year). ear-to-date percentages range from 65-85% f average.

eservoirs

igh Savery Dam - 7,400 ac-ft (average torage is 1

treamflow

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 89,000 ac-ft (57% of average). The Little Snake River at Savery is estimated to yield around 175,000 ac-ft (51% of average). See the following table for more detailed information on projected runoff.



Little Snake River Basin

Streamflow Forecasts - March 1, 2013

<=== Drie	r ===	Future Co	nditions	=== Wett	er ===>	
i					ì	
Forecast Pt ======	=====	Chance of	Exceeding	* =====	i	
Forecast 90%	70%	50)응	30%	10%	30 Yr Avg
Period (1000AF) (1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
=======================================		=======				
Little Snake R nr Slater	(2)					
APR-JUL 55	74	89	57	105	131	156
Little Snake R nr Savery	(2)					
APR-JUL 79	132	175	51	224	308	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 February

Usable ********* Usable Storage *******

Reservoir Capacity This Year Last Year Average

HIGH SAVERY NO REPORT

LITTLE SNAKE RIVER BASIN

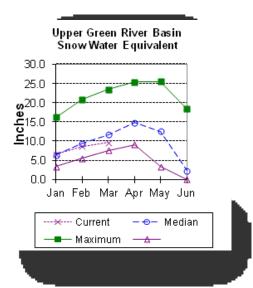
Watershed Snowpack Analysis - March 1, 2013

Number of This Year as Percent of
Watershed Data Sites Last Year Median
LITTLE SNAKE RIVER 10 85 78

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 84% of normal. SWE for the West Side of Upper Green River Basin is about 82% of normal. Newfork



of normal. Big Sandy-Eden Valley Basin is 2% of normal. SWE in the Green River Basin bove Fontenelle Reservoir is about 83% of ormal. For more information see "Basin ummary of Snow Course Data" at the beginning f this report.

recipitation

he 12 reporting precipitation sites in the asin were 43% of average last month (37% of ast year). Last month's precipitation varied rom 13-78% of average. Water year-to-date recipitation is about 79% of average (73% of ast year). Year to date percentage of average anges from 64-89% for the reporting stations.

eservoir

torage in Big Sandy Reservoir is 7,100 ac-ft r 19% of capacity.

Fontenelle Reservoir is 140,400 ac-ft or 41% of capacity; 110% of average. This is 102% 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 180,000 ac-ft (74% of average). Pine Creek above Fremont Lake is 76,000 ac-ft (78% of average). New Fork River near Big Piney is 235,000 ac-ft (66% of average). Fontenelle Reservoir Inflow is estimated to be 430,000 ac-ft (59% of average), and Big Sandy near Farson is expected to be

Upper Green River Basin
Precipitation

140

120

100

80

Oct Dec Feb Apr

Monthly Year-to-date

around 34,000 ac-ft (65% of average). See the following table for more detailed information on projected runoff.

Upper Green River Basin

Streamflow Forecasts - March 1, 2013

=========							
I	<=== Dr	ier ===	Future Con	nditions	=== Wett	er ===>	
i						i	
Forecast Pt	======	======	Chance of E	Exceeding	* =====		
Forecast	90%	70%	509	8	30%	10%	30 Yr Avg
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)
=========							
Green R at Wa	rren Brid	ge					
APR-JUL	128	158	180	74	204	241	245
Pine Ck ab Fr	emont Lak	е					
APR-JUL	60	69	76	78	83	94	98
New Fork R nr	Big Pine	У					
APR-JUL	136	192	235	66	282	360	355
Fontenelle Re	servoir I	nflow (2)					
APR-JUL	234	344	430	59	526	685	725
Big Sandy R n	ır Farson						
APR-JUL	21	28	34	65	40	51	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 February

_======================================				
	Usable	*****	Usable Storage	*****
Reservoir	Capacity	This Year	Last Year	Average
BIG SANDY FONTENELLE	38.3 344.8	7.1 140.4	22.6 125.9	17.7 127.6

UPPER GREEN RIVER BASIN

Watershed	Number of	This Year as Pe	ercent of
	Data Sites	Last Year	Median
GREEN above Warren Bridge	5	75	84
UPPER GREEN (West Side)	5	71	82
NEWFORK RIVER	3	74	86
BIG SANDY/EDEN VALLEY	2	63	72
GREEN above Fontenelle	14	73	83

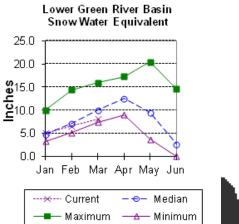
Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 81% of normal. SWE in the Hams Fork Basin is 77% of normal. Blacks Fork Basin SWE is currently 76%

drainage SWE is 95%. For more information see

Basin Summary of Snow Course Data" at the
eginning of this report.



recipitation

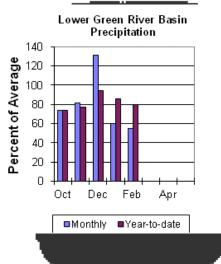
recipitation for the 11 reporting stations uring last month was at 55% of average or 49% f last year. Precipitation ranged from 0-128% f average for the month. The basin year-to-ate precipitation is currently 80% of average 77% of last year). Vear-to-date percentages

ange from 64-51% of average.

eservoirs

ontenelle eservoir is urrently storing 40,400 ac-ft;

Flaming Gorge is currently storing 2,968,000 ac-ft; compared to 3,293,000 at this time last year. Viva Naughton is currently storing 23,400 ac-ft, 81% 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 our remote period in the Lower Green River Basin are forecast to be below average. The Green River near Green River is forecast to yield about 395,000 ac-ft (54% of average). The Blacks Fork near Robertson is forecast to yield 60,000 ac-ft (67% of average). East Fork of Smiths Fork near Robertson is forecast to yield 18,000 ac-ft (69% of average). Hams Fork below Pole Creek near Frontier is forecast to be 30,000 ac-ft (56% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 38,000 ac-ft (51% of average). The Flaming Gorge Reservoir inflow will be about 535,000 ac-ft (55% of average). See the following table for more detailed information on projected runoff.

Lower Green River Basin

Streamflow Forecasts - March 1, 2013

==========							
1	<=== Dri	er ===	Future Co	onditions	=== Wette	er ===>	
į						i	
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 Gre	•	, ,					
APR-JUL	196	306	395	54	495	662	730
Blacks Fk nr B	Robertson						
APR-JUL	36	50	60	67	71	90	89
EF of Smiths H	Fork nr Ro	bertson	(2)				
APR-JUL	9.1	14.1	18.0	69	22	30	26
Hams Fk bl Pol	le Ck nr F	'rontier					
APR-JUL	16.4	24	30	56	37	48	54
Viva Naughton	Reservoir	Inflow	(2)				
APR-JUL	17.6	29	38	51	49	66	74
Flaming Gorge	Reservoir	Inflow	(2)				
APR-JUL	235	400	535	55	690	960	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 February

	Usable	*****	Usable Storage	****
Reservoir	Capacity	This Year	Last Year	Average
FONTENELLE	344.8	140.4	125.9	127.6
FLAMING GORGE	3749.0	2968.0	3293.0	3014.0
VIVA NAUGHTON RES	42.4	23.4	28.0	28.8

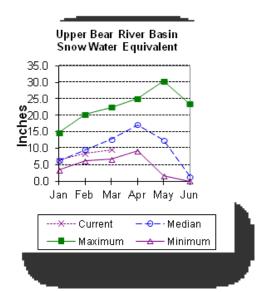
LOWER GREEN RIVER BASIN

Watershed	Number of Data Sites	This Year as Per Last Year M	cent of edian
=======================================		=========	
HAMS FORK RIVER	4	80	77
BLACKS FORK	4	93	76
HENRYS FORK	3	75	95
GREEN above Flaming Gorge	26	76	81

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 74% of normal. SWE in the Wyoming portion of the Be



SWE in the Wyoming portion of the Bear River s) is at 77% of normal. Bear River Basin WE, above the Idaho State line, is 75% of ormal. For more information see "Basin ummary of Snow Course Data" at the beginning f this report.

recipitation

recipitation for last month was 46% of verage for the 8 reporting stations; this is 3% of the precipitation received last year. recipitation ranged from 33-60% of average or the month. The year-to-date recipitation, for the basin, is 79% of verage; this is 86% of last year's amount

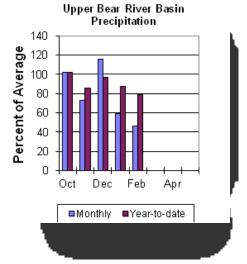
ear-to-date ercentages ange from 0-84% of verage.

Reservoirs

Storage in Woodruff Narrows reservoir is 8,700 ac-ft. Reservoir storage last year at this time was 49,000 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 74,000 ac-ft (60% of average). The Bear River above Reservoir near Woodruff is 68,000 ac-ft (53% of average). The Smiths



Fork River near Border Jct. is 65,000 ac-ft (63% of average). See the following table for more detailed information on projected runoff.

Upper Bear River Basin

Streamflow Forecasts - March 1, 2013

	<=== Dr	ier === I	Future Co	nditions	=== Wett	er ===>		
	l					1		
Forecast Pt ======== Chance of Exceeding * ========								
Forecast	90%	70%	50)응	30%	10%	30 Yr Avg	
Period	(1000AF)	(1000AF)	(1000AF)	(% AVG.) ((1000AF)	(1000AF)	(1000AF)	
=========						=======	========	
Bear R nr UT-WY State Line								
APR-JUL	35	54	67	60	80	99	112	
APR-SEP	37	59	74	60	88	110	123	
Bear R ab Res nr Woodruff								
APR-JUL	23	51	70	58	89	117	121	
APR-SEP	19.0	48	68	53	88	116	128	
Smiths Fk nr Border								
APR-JUL	26	42	53	60	64	81	89	
APR-SEP	34	52	65	63	77	96	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.
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- (3) Median value used in place of average.

UPPER BEAR RIVER BASIN

Reservoir Storage (1000AF) End of February

	Usable	*****	Usable Storage	*****					
Reservoir	Capacity	This Year	Last Year	Average					
WOODRUFF NARROWS	57.3	8.7	49.0	31.6					

UPPER BEAR RIVER BASIN

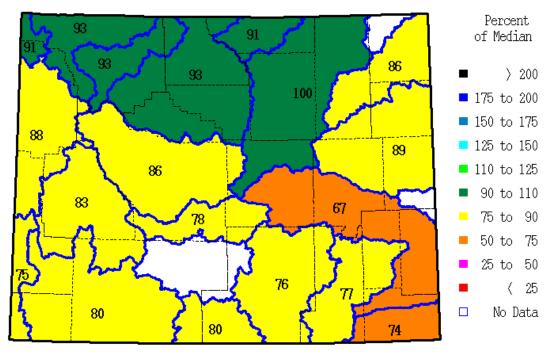
Watershed	Number of Data Sites	This Year as Pe Last Year	rcent of Median							
UPPER BEAR RIVER in Utah SMITHS & THOMAS FORKS BEAR RIVER abv ID line	6 3 11	92 81 89	74 77 75							
NORTHWEST	70	76	88							
NORTHEAST	25	63	94							
SOUTHEAST	33	80	76							
SOUTHWEST	37	80	79							

Issued by Released by

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

Astrid Martinez State Con. N R C S Casper, Wyoming

SWE % of Median as of Friday, 01 March 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



Wyoming Basin Outlook Report

Natural Resources Conservation Service Casper, WY





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