United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming Basin Outlook Report
May 1, 2013

Webber Springs SNOTEL (Sierra Madre Mts.)

Basin Outlook Reports
And
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

Lee Hackleman/Water Supply Specialist or
Ken Von Buettner/Hydrologic Technician
100 East "B" Street Casper, WY 82601
(307) 233-6744/6743

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% or10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is just below normal for May 1st at 98%. Monthly precipitation for the basins varied from 67-142% of average. Year-to-date precipitation for Wyoming basins varies from 64-100% of average for an averall average of 88%. Forecasted runoff varies from 48-131% of average across the Wyoming basins for an overall average of 78%. Basin reservoir levels for Wyoming vary from 23-154% of average for an overall average of 98%.

Snowpack

Snow water equivalent (SWE), across Wyoming is slightly short of normal for this time of year at 98%. SWE in the NW portion of Wyoming is now about 104% of normal (125% of last year). NE Wyoming SWE is currently about 124% of normal (199% of last year). The SE Wyoming SWE is currently about 94% of normal (278% of last year). The SW Wyoming SWE is about 92% of normal (227% of last year).

Precipitation

Last month's precipitation was above average across Wyoming. The South Platte River Basin had the highest precipitation for the month at 142% of average. The Sweetwater River Basin had the lowest precipitation amount at 67% 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	+33%
Madison-Gallatin	-17%	Sweetwater River	-33%
Yellowstone	+07%	Lower North Platte	+05%
Wind River	-12%	Laramie River	+33%
Bighorn	+07%	South Platte	+42%
Shoshone	+15%	Little Snake River	+37%
Powder River	+02%	Upper Green River	+26%
Tongue River	+01%	Lower Green River	+28%
Belle Fourche	+12%	Upper Bear River	+10%
Cheyenne	+07%		

Streams

Stream flow yield for May to September is expected to be below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 78% (varying from 27-141% of average). The Snake River and Madison River Basins are expected to yield about 82% and 93% of average, respectively; 82-95% of average for the various forecast points in the basins. Yields from the Yellowstone and Clark's Fork are expected to be 91% and 95% respectively. Yields from the Wind and Bighorn River Basins are expected to be about 67% and 72% of average; varying from 57-100% of average in the basins. Yield from the Shoshone River Basin of Wyoming is expected to be about 88%, varying from 84-95% of average. Yields from the Powder & Tongue River Basins are expected to be about 105% and 84% of average, respectively; varying from 82-127% of average. Yield for the Cheyenne River Basin is expected to be about 131% of average. Yields for the Upper N. Platte, Sweetwater, Lower N. Platte and Laramie Rivers of Wyoming are expected to be about 69%, 33%, 69%, and 88% of average, respectively; varying from 27-88% of average. Yields for the Little Snake, Green River, and Bear of Wyoming are expected to be 54%,

59%, and 48% of average respectively; yield estimates vary from 48-79% 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 above average at 102%. Reservoirs on the Big Horn are above average at 108%. The Buffalo Bill Reservoir on the Shoshone is above average at 125%. Reservoirs in the Belle Fourche River Basin are above average in storage at 103%. Reservoirs in the Cheyenne River Basin are below average in storage at 83%. Reservoirs on the North Platte River are below average at 83%. Reservoirs on the Green River are near average at 99%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming

May 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	98	97	97	101	101
ANGOSTURA	64	88	93	69	73
BELLE FOURCHE	73	95	82	89	77
BIG SANDY	27	78	60	45	35
BIGHORN LAKE	63	61	57	111	104
BOYSEN	82	99	80	102	83
BUFFALO BILL	65	74	52	125	87
BULL LAKE	52	66	49	105	79
DEERFIELD	101	101	89	113	101
ENNIS LAKE			NO REPORT		
FLAMING GORGE	80	85	81	99	94
FONTENELLE	37	46	36	102	80
GLENDO	76	94	86	89	81
Grassy Lake	88	87	84	104	101
GUERNSEY	15	44	66	23	34
HEBGEN LAKE	73	81	73	100	90
HIGH SAVERY	44	72	67	65	60
Jackson Lake	77	86	53	146	89
KEYHOLE	78	95	51	154	83
PACTOLA	94	99	87	108	96
Palisades	54	75	65	83	72
PATHFINDER	39	89	61	65	44
PILOT BUTTE	76	89	83	92	86
SEMINOE	48	81	48	100	59
SHADEHILL	46	51	80	57	89
TONGUE RIVER	74	84	44	168	88
VIVA NAUGHTON RES	70	100	75	93	69
WHEATLAND #2		AVERAGE NOT ESTABLISHED			
WOODRUFF NARROWS	30	103	79	38	29
TOTAL 26 RESERVOIRS	66	81	67	98	81

Raw KAF Totals Current=8684 Last Year=10595 Average=8837 Capacity=13069

B A S I N S U M M A R Y O F
SNOTEL and S N O W C O U R S E D A T A
MAY 2013

SNOW SITE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	NORMAL 81-10
WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	4/26/13	37	11.7	3.6	9.6
ARAPAHO RIDGE SNTL	10960	5/01/13	67	22.0	11.5	--
BALD MOUNTAIN SNOTEL	9380	5/01/13	58	17.5	23.2	20.5
BASE CAMP SNOTEL	7030	5/01/13	---	10.5	6.0	9.3
BATTLE MTN. SNOTEL	7440	5/01/13	2	1.6	.0	.0
BEARLODGE DIVIDE	4680	4/24/13	8	1.6	.0	.0
BEARTOOTH LK. SNOTEL	9280	5/01/13	70	19.9	26.9	22.8
BEAR RIVER RS SNOTEL	8780	5/01/13	2	1.0	.0	--
BEAR TRAP SNOTEL	8200	5/01/13	28	7.7	.0	.9
BIG GOOSE SNOTEL	7760	5/01/13	33	9.1	3.0	9.2
BIG PARK	8620	4/26/13	52	18.5	--	16.1
BIG SANDY SNOTEL	9080	5/01/13	31	10.3	8.8	10.6
BLACK BEAR SNOTEL	7950	5/01/13	88	40.0	42.1	37.4
BLACK'S FORK JUNCTN	8930	4/26/13	28	6.7	.0	4.0
BLACKS FORK JCT SNT	8870	5/01/13	19	6.0	.0	--
BLACKHALL MTN SNOTEL	9820	5/01/13	79	29.1	--	--
BLACKWATER SNOTEL	9780	5/01/13	78	25.9	25.3	25.3
BLIND BULL SNOTEL	8900	5/01/13	65	22.0	23.9	23.1
BLIND PARK SNOTEL	6870	5/01/13	12	3.8	.0	.8
BONE SPGS. SNOTEL	9350	5/01/13	60	17.0	19.0	16.5
BROOKLYN LK. SNOTEL	10220	5/01/13	64	20.0	8.3	23.3
BUCK PASTURE SNOTEL	9700	5/01/13	40	13.4	--	--
BUG LAKE SNOTEL	7950	5/01/13	27	11.5	7.4	15.1
BURGESS JCT. SNOTEL	7880	5/01/13	40	12.3	8.6	12.1
BURROUGHS CRK SNOTEL	8750	5/01/13	44	12.5	11.2	12.9
BUTTER HILL	7880	4/26/13	33	12.2	.0	10.2
BURT'S-MILLER RANCH	7900	4/26/13	0	.0	.0	.0
BURTS-MILLER RANCH S	7860	5/01/13	0	.0	.0	.0
CAMERON PASS	10300	4/30/13	74	26.8	8.0	27.1
CANYON SNOTEL	8090	5/01/13	32	11.3	9.3	10.4
CASPER MTN. SNOTEL	7850	5/01/13	33	12.0	9.0	13.3
CASTLE CREEK SNOTEL	8400	5/01/13	4	.6	.0	--
CASTLE CREEK	8400	4/29/13	0	.0	.0	1.0
CCC CAMP	7000	4/25/13	26	10.4	.0	5.3
CHALK CK #1 SNOTEL	9100	5/01/13	52	19.6	9.3	24.2
CHAMBERS LAKE	9000	4/30/13	14	5.8	.0	2.6
CINNABAR PARK SNOTEL	9690	5/01/13	57	14.7	4.4	19.4
CLOUD PEAK SNOTEL	9850	5/01/13	66	15.7	11.3	16.5
COLE CANYON SNOTEL	5910	5/01/13	10	3.6	.9	.3
COLD SPRINGS SNOTEL	9630	5/01/13	12	2.0	.0	1.3
COLUMBINE SNOTEL	9300	5/01/13	---	17.1	.2	18.2
COTTONWOOD CR SNOTEL	7700	5/01/13	---	16.1	12.7	15.3
CROW CREEK SNOTEL	8830	5/01/13	12	2.4	.0	.0
DARBY CANYON	8250	4/30/13	56	20.0	15.8	22.9
DEADMAN HILL SNOTEL	10200	5/01/13	66	18.0	13.6	19.0
DEEP LAKE	10500	4/29/13	96	34.9	26.2	--
DEEP LAKE	10500	4/29/13	96	34.9	26.2	--
DEER PARK SNOTEL	9700	5/01/13	33	13.0	7.1	16.0
DIVIDE PEAK SNOTEL	8860	5/01/13	---	13.7	.0	18.0
DOME LAKE SNOTEL	8880	5/01/13	50	11.3	10.6	11.4
DU NOIR	8760	4/26/13	20	6.1	.0	4.1
EF BLACKS FORK GS SN	9360	5/01/13	31	11.4	.0	--
EAST RIM DIV SNOTEL	7930	5/01/13	11	3.1	.0	8.2

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
ELKHART PARK SNOTEL	9400	5/01/13	---	10.1	11.0	11.3
ELK RIVER SNOTEL	8600	5/01/13	---	12.8	.0	13.2
EVENING STAR SNOTEL	9200	5/01/13	73	26.2	30.0	24.9
FISHER CREEK SNOTEL	9100	5/01/13	97	32.9	39.7	32.7
FOXPARK	9060	4/26/13	24	7.8	.0	5.0
GEYSER CREEK	8500	4/26/13	16	5.1	1.3	3.3
GLADE CREEK	7040	4/30/13	43	17.4	11.7	18.6
GRAND TARGHEE SNOTEL	9260	5/01/13	103	41.8	37.6	44.8
GRANITE CRK SNOTEL	6770	5/01/13	28	8.0	4.0	8.3
GRASSY LAKE	7270	4/30/13	47	22.3	27.0	28.1
GRASSY LAKE SNOTEL	7270	5/01/13	56	24.6	27.0	29.1
GRAVE SPRINGS SNOTEL	8550	5/01/13	27	8.2	3.7	9.4
GROS VENTRE SNOTEL	8750	5/01/13	32	9.9	1.8	11.6
GROVER PARK DIVIDE	7000	4/25/13	16	6.7	.0	1.0
GUNSIGHT PASS SNOTEL	9820	5/01/13	33	12.4	9.8	12.5
HAIRPIN TURN	9480	4/29/13	42	13.2	4.6	12.8
HANSEN S.M. SNOTEL	8360	5/01/13	29	7.1	.0	2.5
HAMS FORK SNOTEL	7840	5/01/13	5	1.7	.0	2.9
HASKINS CREEK	8980	4/26/13	74	27.0	15.8	31.2
HOBACK GS	6640	4/29/13	0	.0	.0	.0
HOBBS PARK SNOTEL	10100	5/01/13	41	12.9	9.6	16.0
INDIAN CREEK SNOTEL	9430	5/01/13	---	22.6	13.9	23.0
JACKPINE CREEK	7350	4/30/13	35	14.1	14.2	18.5
JOE WRIGHT SNOTEL	10000	5/01/13	72	22.0	8.0	23.3
KELLEY R.S. SNOTEL	8180	5/01/13	31	11.2	6.2	11.5
KENDALL R.S. SNOTEL	7740	5/01/13	6	2.0	1.7	4.3
KIRWIN SNOTEL	9550	5/01/13	43	11.1	6.8	10.4
LA PRELE SNOTEL	8380	5/01/13	12	4.8	.0	6.1
LARSEN CREEK	9020	4/29/13	0	.0	--	8.0
LARSEN CREEK SNOTEL	9020	5/01/13	0	.0	.0	--
LEWIS LAKE DIVIDE	7850	4/30/13	72	34.4	39.4	37.0
LEWIS LAKE SNOTEL	7850	5/01/13	66	27.7	28.7	30.1
LIBBY LODGE	8750	4/29/13	24	8.0	.0	5.8
LITTLE GOOSE SNOTEL	8870	5/01/13	42	10.6	1.7	--
LITTLE SNAKE RIVER	8920	5/01/13	---	20.9	.9	22.3
LITTLE WARM SNOTEL	9370	5/01/13	30	8.9	.4	8.7
LOOMIS PARK SNOTEL	8240	5/01/13	---	8.3	2.1	11.0
LUPINE CREEK	7380	4/30/13	11	3.6	.0	1.2
MADISON PLT SNOTEL	7750	5/01/13	50	20.6	25.0	21.3
MARQUETTE SNOTEL	8760	5/01/13	33	9.2	.4	--
MEDICINE LODGE LAKES	9340	4/26/13	51	13.9	--	11.0
MIDDLE FORK	7420	4/26/13	51	13.9	.0	1.8
MIDDLE POWDER SNOTEL	7760	5/01/13	42	13.1	6.2	11.6
MOSS LAKE	9800	4/30/13	57	20.7	6.9	23.4
NEVER SUMMER SNOTEL	10280	5/01/13	---	19.6	11.4	--
NEW FORK SNOTEL	8340	5/01/13	8	3.7	.9	6.5
NORRIS BASIN	7500	5/02/13	8	3.0	.0	5.4
N.E. ENTRANCE SNOTEL	7350	5/01/13	9	3.3	.5	3.0
NORTH BARRETT CREEK	9400	4/30/13	57	20.3	5.2	22.0
NORTH FRENCH SNOTEL	10130	5/01/13	77	26.0	14.0	32.9
NORTH RAPID CK SNTL	6130	5/01/13	15	4.4	.0	.8
NORTH TONGUE	8450	4/24/13	47	11.5	--	11.9
OLD BATTLE SNOTEL	9920	5/01/13	83	30.2	22.6	34.7
OLD FAITHFUL	7400	4/27/13	28	11.9	--	7.4
ONION GULCH	8780	4/25/13	40	10.4	9.2	7.0
OWL CREEK SNOTEL	8980	5/01/13	22	4.8	.0	1.0
PARKERS PEAK SNOTEL	9400	5/01/13	70	25.6	24.0	21.3
PHILLIPS BNCH SNOTEL	8200	5/01/13	59	24.0	19.5	25.4

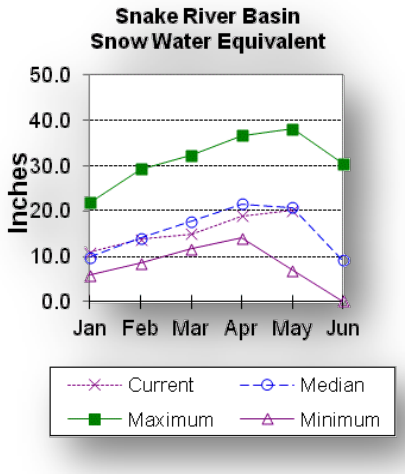
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
POCKET CREEK	9350	4/29/13	32	11.5	--	10.8
POCKET CREEK SNOTEL	9350	5/01/13	40	8.5	7.5	--
POLE MOUNTAIN	8700	4/26/13	23	7.7	.0	4.6
POWDER RVR.PASS SNTL	9480	5/01/13	55	13.6	6.1	9.4
PURGATORY GULCH	8970	4/26/13	38	13.6	.0	10.7
RANGER CREEK	8120	4/26/13	36	9.9	7.7	6.1
RAWAH SNOTEL	9020	5/01/13	---	11.2	.0	--
RENO HILL SNOTEL	8500	5/01/13	34	12.0	7.9	12.6
REUTER CANYON	6280	4/24/13	20	5.7	.0	.4
ROACH SNOTEL	9400	5/01/13	56	16.1	5.8	17.2
ROWDY CREEK	8300	4/29/13	46	16.1	--	18.1
RYAN PARK	8400	4/30/13	22	7.9	.0	5.8
SAGE CK BASIN SNTL	7850	5/01/13	---	5.3	.0	1.1
SALT RIVER SNOTEL	7600	5/01/13	23	7.4	.0	7.9
SAND LAKE SNOTEL	10050	5/01/13	82	26.1	22.6	31.4
SANDSTONE RS SNOTEL	8150	5/01/13	20	5.3	.0	5.9
SAWMILL DIVIDE	9260	4/24/13	59	14.3	--	14.3
SHELL CREEK SNOTEL	9580	5/01/13	66	17.5	20.4	15.9
SHERIDAN R.S.	7750	4/26/13	9	2.7	.7	2.1
SNAKE RV STA SNOTEL	6920	5/01/13	20	7.9	3.8	7.4
SNIDER BASIN SNOTEL	8060	5/01/13	13	4.3	2.6	9.4
SNOW KING MTN	7660	4/29/13	18	7.5	4.1	10.3
SOLDIER PARK SNOTEL	8780	5/01/13	26	6.0	.0	--
SOLDIER PARK	8780	4/25/13	27	5.6	--	4.8
SOUR DOUGH	8460	4/25/13	35	7.8	--	6.4
SOUTH BRUSH SNOTEL	8440	5/01/13	18	7.8	.0	9.2
SOUTH PASS SNOTEL	9040	5/01/13	35	11.4	7.4	14.9
SPRING CRK. SNOTEL	9000	5/01/13	72	25.1	21.9	24.3
STILLWATER CAMP	8550	4/26/13	20	5.6	.0	4.0
ST LAWRENCE ALT SNTL	8620	5/01/13	4	.9	.0	2.5
SUCKER CREEK SNOTEL	8880	5/01/13	51	14.0	8.1	12.2
SYLVAN LAKE SNOTEL	8420	5/01/13	47	17.8	14.7	19.8
SYLVAN ROAD SNOTEL	7120	5/01/13	2	.9	.0	5.8
T CROSS RANCH	7900	4/29/13	3	.9	.0	1.2
TETON PASS W.S.	7740	5/01/13	54	22.0	16.8	25.7
THUMB DIVIDE SNOTEL	7980	5/01/13	33	13.0	9.8	12.4
TIE CREEK SNOTEL	6870	5/01/13	13	4.3	.0	2.7
TIMBER CREEK SNOTEL	7950	5/01/13	18	3.1	.0	3.1
TOGWOTEE PASS	9580	4/28/13	66	25.0	21.7	27.5
TOGWOTEE PASS SNOTEL	9580	5/01/13	68	22.9	20.9	24.7
TOWER SNOTEL	10000	5/01/13	108	38.2	26.2	50.0
TOWNSEND CRK SNOTEL	8700	5/01/13	24	7.2	.0	7.5
TRIPLE PEAK SNOTEL	8500	5/01/13	53	19.6	10.9	17.5
TWENTY-ONE MILE	7150	4/29/13	29	11.3	8.0	11.3
TWO OCEAN SNOTEL	9240	5/01/13	81	31.6	36.4	29.7
TYRELL RANGER STA.	8300	4/25/13	34	8.9	6.9	4.4
WEBBER SPRING SNOTEL	9250	5/01/13	54	20.6	4.3	21.7
WHISKEY PARK SNOTEL	8950	5/01/13	62	24.4	7.3	26.5
WHITE MILL SNOTEL	8700	5/01/13	65	24.7	26.2	23.8
WILLOW CREEK SNOTEL	8450	5/01/13	65	25.7	17.5	23.0
WINDY PEAK SNOTEL	7900	5/01/13	11	4.0	.0	4.0
WOLVERINE SNOTEL	7650	5/01/13	17	5.9	.0	2.5
WOOD ROCK G.S.	8440	4/24/13	40	8.8	--	9.8
YOUNTS PEAK SNOTEL	8350	5/01/13	44	13.9	13.5	15.5
ZIRKEL SNOTEL	9340	5/01/13	55	23.7	.0	--

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 97% of normal. SWE in the Snake River Basin above Jackson Lake is 96% of normal. Pacific Creek Basin SWE is 1088% of normal. SWE in the Buffalo Fork basin is 92% of normal. Gros Ventre River Basin SWE is 93% of normal. SWE in the Hoback River drainage is 81% of normal. SWE in the Greys River drainage is 105% of normal. In the Salt River area SWE is 126% of normal. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

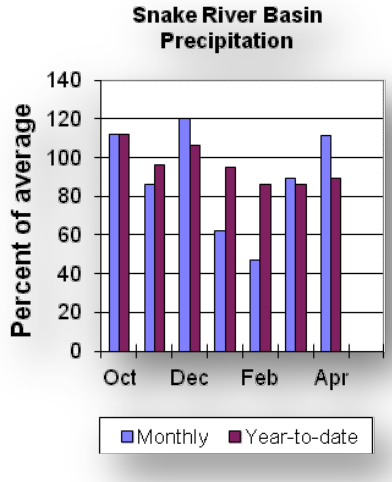


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 111% of average (120% of last year). Last month's percentages range from 77-191% of average for the 26 reporting stations. Water-year-to-date precipitation is 89% of average for the Snake River Basin (88% of last year). Year-to-date percentages range from 76-109% of average.

Reservoirs

Current reservoir storage is 104% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 104% of average (13,300 ac-ft compared to 13,200 last year). Jackson Lake storage is 146% of average (649,400 ac-ft compared to 729,700 ac-ft last year). Palisades Reservoir storage is about 83% of average (756,700 ac-ft compared to 1,047,500 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 May through September are below average for the basin. The Snake near Moran is 700,000 ac-ft 90% of average). Snake River above reservoir near Alpine is 1,860,000 ac-ft (82% of average). The Snake near Irwin is 2,600,000 ac-ft (83% of average). The Snake near Heise is 2,790,000 ac-ft (82% of average). Pacific Creek near Moran is 153,000 ac-ft (95% of average). Buffalo Fork above Lava near Moran is 280,000 ac-ft (92% of average). Greys River above Palisades Reservoir is 280,000 ac-ft (89% of average). Salt River near Etna is 270,000 ac-ft (87% of average). See the following page for detailed runoff volumes.

Snake River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions === 50% (1000AF)	50% (% AVG.)	Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R nr Moran (1,2)							
MAY-JUL	480	580	625	89	670	770	700
MAY-SEP	535	650	700	90	750	865	775
Snake R nr Alpine (1,2)							
MAY-JUL	1290	1530	1640	84	1750	1990	1960
MAY-SEP	1430	1730	1860	82	1990	2290	2280
Snake R nr Irwin (1,2)							
MAY-JUL	1830	2100	2230	84	2360	2630	2660
MAY-SEP	2140	2460	2600	83	2740	3060	3150
Snake R nr Heise (2)							
MAY-JUL	2030	2230	2370	84	2510	2710	2840
MAY-SEP	2400	2630	2790	82	2950	3180	3390
Pacific Ck At Moran							
MAY-JUL	102	128	145	95	162	188	152
MAY-SEP	109	135	153	95	171	197	161
Buffalo Fork ab Lava nr Moran							
MAY-JUL	198	225	245	93	265	290	265
MAY-SEP	225	260	280	92	300	335	305
Greys R Nr Alpine							
MAY-JUL	190	215	235	89	255	280	265
MAY-SEP	225	260	280	89	300	335	315
Salt R Nr Etna							
MAY-JUL	131	178	210	86	240	290	245
MAY-SEP	174	230	270	87	310	365	310

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
Grassy Lake	15.2	13.3	13.2	12.8
Jackson Lake	847.0	649.4	729.7	445.7
Palisades	1400.0	756.7	1047.5	911.7

SNAKE RIVER BASIN

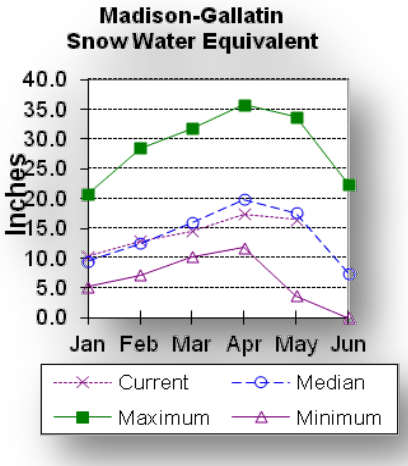
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SNAKE above Jackson Lake	6	104	96
PACIFIC CREEK	2	99	108
BUFFALO FORK	2	107	92
GROS VENTRE RIVER	3	138	92
HOBACK RIVER	5	129	83
GREYS RIVER	5	125	105
SALT RIVER	5	220	126
SNAKE above Palisades	25	130	97

Madison-Gallatin River Basins

Snow

Snow water equivalent (SWE) is at 98% 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 83% of average (57% of last year). The 6 reporting stations percentages range from 61-111% of average. Water-year-to-date precipitation is about 88% of average (73% of last year's amount). Year to date percentage ranges from 77-95%.

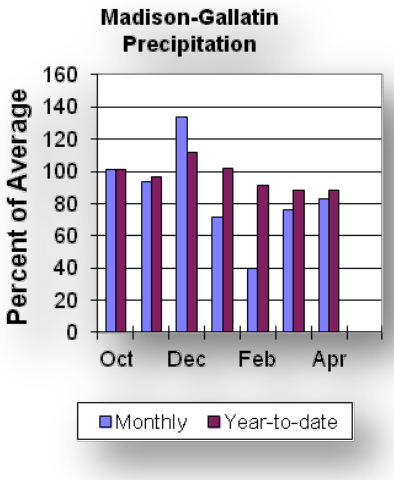
Reservoirs

Ennis Lake is NO REPORT. Hebgen Lake is storing about 276,400 ac-ft of water (73% of capacity, 100% of average or 90% 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 May through September is below average for the basin. Hebgen Reservoir inflow is 375,000 ac-ft (93% of average). See the following page for detailed runoff volumes.



Madison-Gallatin River Basins

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions: Chance of Exceeding * 50% (1000AF) (% AVG.)	30% (1000AF)	=== Wetter ===> 10% (1000AF)	30 Yr Avg (1000AF)
Hebgen Reservoir Inflow (2)						
MAY-JUL	230	260	280 (92)	300	330	305
MAY-SEP	315	350	375 (93)	400	435	405

* 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 April

Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average
ENNIS LAKE		NO REPORT		
HEBGEN LAKE	377.5	276.4	307.0	276.7

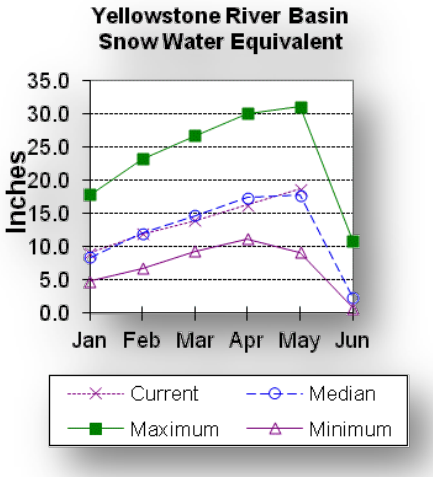
MADISON-GALLATIN RIVER BASINS
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	This Year as Percent of Median
MADISON RIVER in WY	8	99	98

Yellowstone River Basin

Snow

SWE in the Yellowstone drainage is at 105% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.

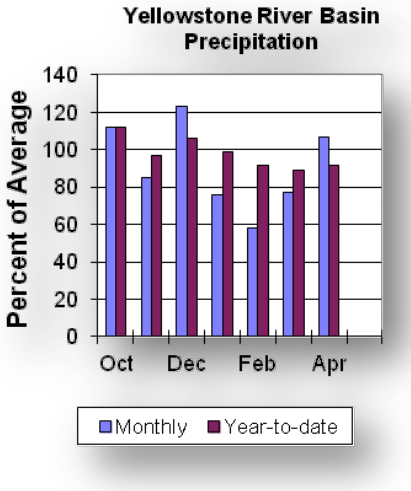


Precipitation

Last month precipitation in the Yellowstone drainage was about 107% of average (91% of last year). The 15 reporting stations percentages range from 87-131% of average. Water-year-to-date precipitation is about 92% of average (81% of last year's amount). Year to date percentage ranges from 64-121%.

Reservoirs

No reservoir data for the basin.



Streamflow

The 50% exceedance forecasts for May through September are below average for the basin. Yellowstone at Lake Outlet is 635,000 ac-ft (86% of average). Yellowstone at Corwin Springs will yield around 1,610,000 ac-ft (91% of average). Yellowstone near Livingston will yield around 1,830,000 ac-ft (91% of average). The Clark's Fork of the Yellowstone River should yield around 500,000 ac-ft (95% of average). See the following page for detailed runoff volumes.

Yellowstone River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Yellowstone R at Yellowstone Lake							
MAY-JUL	375	435	475	87	515	575	545
MAY-SEP	510	585	635	86	685	760	735
Yellowstone R at Corwin Springs							
MAY-JUL	1100	1260	1360	92	1460	1620	1480
MAY-SEP	1300	1480	1610	91	1740	1920	1770
Yellowstone R at Livingston							
MAY-JUL	1220	1410	1540	92	1670	1860	1670
MAY-SEP	1450	1680	1830	91	1980	2210	2010

* 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

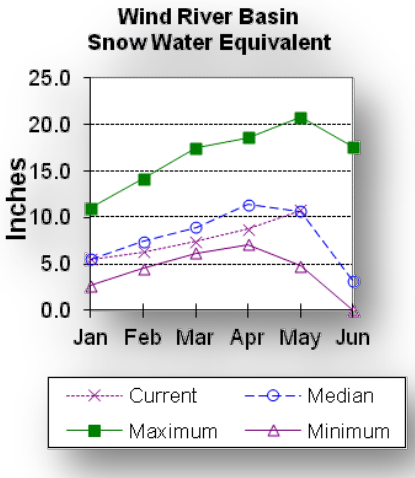
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
YELLOWSTONE RIVER in WY	10	103	107
CLARKS FORK in WY	8	94	104

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 101% of normal for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 104% of normal. The Little Wind SWE is 75% of normal, and the Popo Agie drainage SWE is about 104% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.



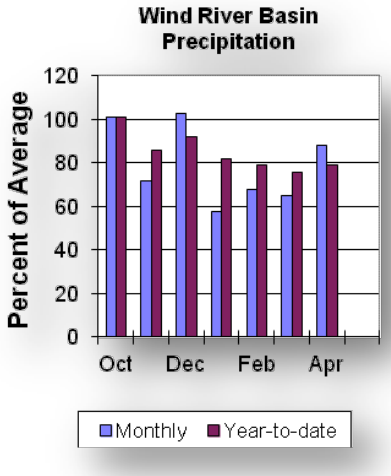
Precipitation

Last month's precipitation in the basin varied from 40-168% of average. Precipitation, for the basin, was about 88% of average from the 14 reporting stations; that is about 193% of last year's amount. Water year-to-date precipitation is 79% of average and about 91% of last year at this time. Year-to-date percentages range from 59-111% of average.

Reservoirs

Current storage in Bull Lake is about 78,700 ac-ft (105% of average) - the reservoir is at 79% of last year. Boysen Reservoir is storing about 102% of average (487,700 ac-ft) – the reservoir is about 83% of last year. Pilot Butte is at 92% of average (24,100 ac-ft) – the reservoir is at 86% 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 May through September runoff period are below average. Dinwoody Creek near Burris is 80,000 ac-ft (88% of average). The Wind River above Bull Lake Creek is 370,000 ac-ft (80% of average). Bull Lake Creek near Lenore is 138,000 ac-ft (83% of average). Wind River at Riverton will yield around 395,000 ac-ft (75% of average). Little Popo Agie River near Lander is around 29,000 ac-ft (63% of average). South Fork of Little Wind near Fort Washakie will yield around 64,000 ac-ft (82% of average). Little Wind River near Riverton will yield around 160,000 ac-ft (58% of average). Boysen Reservoir inflow will yield around 410,000 ac-ft (67% of average). See the following page for detailed runoff volumes.

Wind River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Dinwoody Ck nr Burris							
MAY-JUL	46	52	56	86	60	66	65
MAY-SEP	67	75	80	88	85	93	91
Wind R ab Bull Lake Ck (2)							
MAY-JUL	200	255	295	79	335	390	375
MAY-SEP	260	325	370	80	415	480	465
Bull Lake Ck nr Lenore (2)							
MAY-JUL	83	100	112	83	124	141	135
MAY-SEP	101	123	138	83	153	175	166
Wind R at Riverton (2)							
MAY-JUL	230	295	340	76	385	450	445
MAY-SEP	260	340	395	75	450	530	525
Little Popo Agie R nr Lander							
MAY-JUL	14.8	20	24	62	28	33	39
MAY-SEP	18.8	25	29	63	33	39	46
SF Little Wind R nr Fort Washakie							
MAY-JUL	40	50	57	83	64	74	69
MAY-SEP	44	56	64	82	72	84	78
Little Wind R nr Riverton							
MAY-JUL	23	93	140	57	187	255	245
MAY-SEP	35	109	160	58	210	285	275
Boysen Reservoir Inflow (2)							
MAY-JUL	128	275	375	67	475	620	560
MAY-SEP	124	295	410	67	525	695	615

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	78.7	99.8	75.1
BOYSEN	596.0	487.7	587.4	476.4
PILOT BUTTE	31.6	24.1	28.1	26.1

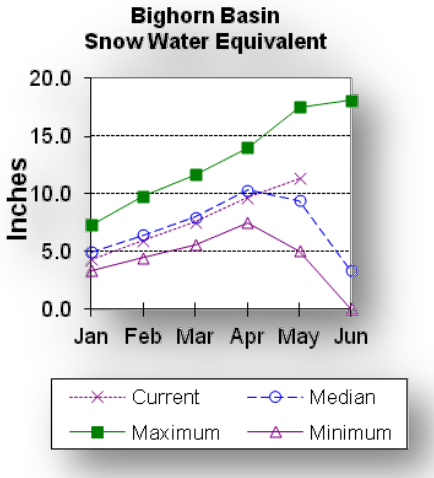
WIND RIVER BASIN
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
WIND RIVER above Dubois	7	171	104
LITTLE WIND	2	144	75
POPO AGIE	5	242	104
WIND above Boysen Resv	15	193	101

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 120% of normal. The Nowood River is at 141% of normal. The Greybull River SWE is at 105% of normal. Shell Creek SWE is 105% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.

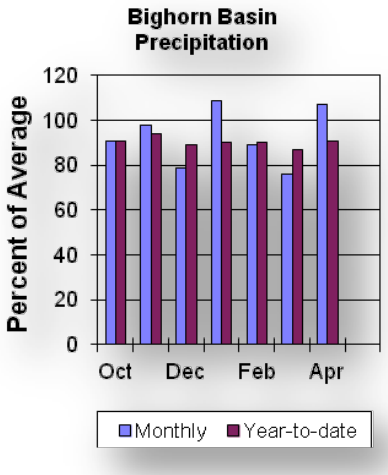


Precipitation

Last month's precipitation was 107% of average (124% of last year). Sites ranged from 40-145% 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 13 reporting stations, range from 60-112%.

Reservoirs

Boysen Reservoir is currently storing 487,700 ac-ft (102% of average). Bighorn Lake is now at 857,900 ac-ft (111% of average). Boysen is currently storing 83% of last year volume at this time and Big Horn Lake is storing 104% 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 May through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 410,000 ac-ft (67% of average); the Greybull River near Meeteetse should yield around 153,000 ac-ft (90% of average); Shell Creek near Shell should yield around 63,000 ac-ft (100% of average) and the Bighorn River at Kane should yield around 600,000 ac-ft (72% of average). See the following page for detailed runoff volumes.

Bighorn River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Boysen Reservoir Inflow (2)							
MAY-JUL	128	275	375	67	475	620	560
MAY-SEP	124	295	410	67	525	695	615
Greybull R nr Meeteetse							
MAY-JUL	93	106	115	93	124	137	124
MAY-SEP	106	134	153	90	172	200	170
Shell Ck nr Shell							
MAY-JUL	38	46	52	100	58	66	52
MAY-SEP	48	57	63	100	69	78	63
Bighorn R at Kane (2)							
MAY-JUL	260	445	575	75	705	890	770
MAY-SEP	250	460	600	72	740	950	830

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	487.7	587.4	476.4
BIGHORN LAKE	1356.0	857.9	824.3	773.6

BIGHORN RIVER BASIN

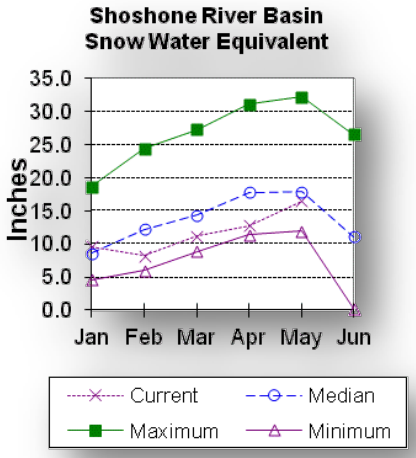
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
NOWOOD RIVER	7	193	141
GREYBULL RIVER	2	325	105
SHELL CREEK	4	88	105
BIGHORN (Boysen-Bighorn)	13	134	120

Shoshone River Basin

Snow

Snow Water Equivalent (SWE) is 93% of normal in the Shoshone River Basin. The Clarks Fork River drainage SWE is 104% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.

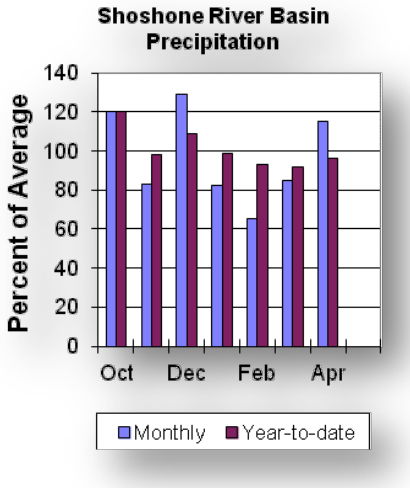


Precipitation

Precipitation for last month was 115% of average (110% of last year). Monthly percentages range from 47-133% of average. The basin year-to-date precipitation is now 99% of average (79% of last year). Year-to-date percentages range from 56-117% of average for the 11 reporting stations.

Reservoirs

Current storage in Buffalo Bill Reservoir is about 125% of average (87% of last year's storage) – the reservoir is at about 65% of capacity. Currently, about 420,500 ac-ft are stored in the reservoir compared to 480,600 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 May through September period are expected to be below average for the basin. The North Fork Shoshone River at Wapiti is 460,000 ac-ft (95% of average). The South Fork of the Shoshone River near Valley is 205,000 ac-ft (87% of average), and the South Fork above Buffalo Bill Reservoir runoff is 162,000 ac-ft (84% of average). The Buffalo Bill Reservoir inflow is expected to yield around 615,000 ac-ft (88% of average). See the following page for detailed runoff volumes.

Shoshone River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF) (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NF Shoshone R at Wapiti						
MAY-JUL	330	380	410	95	440	490	430
MAY-SEP	370	425	460	95	495	550	485
SF Shoshone R nr Valley						
MAY-JUL	146	165	178	89	191	210	200
MAY-SEP	168	190	205	87	220	240	235
SF Shoshone R ab Buffalo Bill Res						
MAY-JUL	106	136	157	85	178	210	184
MAY-SEP	107	140	162	84	184	215	192
Buffalo Bill Reservoir Inflow (2)						
MAY-JUL	430	505	555	88	605	680	630
MAY-SEP	475	560	615	88	670	755	700
Clarks Fk Yellowstone R nr Belfry						
MAY-JUL	390	430	460	96	490	530	480
MAY-SEP	415	465	500	95	535	585	525

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	420.5	480.6	336.3

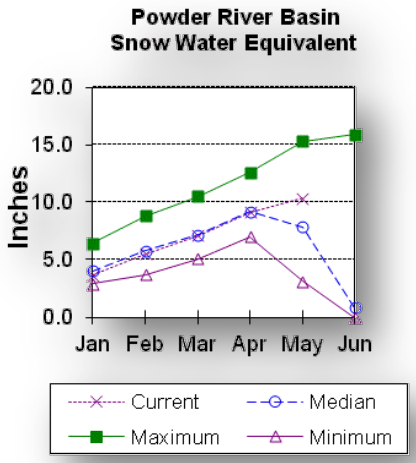
SHOSHONE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SHOSHONE RIVER	5	112	93

Powder River Basin

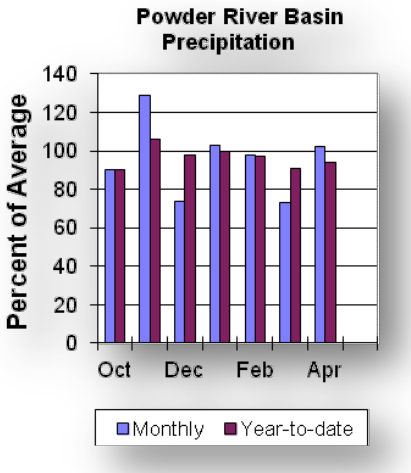
Snow

Snow water equivalent (SWE) in the Upper Powder River drainage is 138% of normal. SWE in the Clear Creek drainage is 120% of normal. Crazy Woman Creek drainage is 139% of normal. Powder River Basin SWE in Wyoming is 130% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 102% of average for the 11 reporting stations (112% of last year). Monthly percentages range from 9-145% of average. Year-to-date precipitation is 94% of average in the basin; this is 91% of last year at this time. Precipitation for the year ranges from 71-112% of average.



Reservoirs

No reservoir data for the basin.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be above average for the basin. The Middle Fork of the Powder River near Barnum is 15,700 ac-ft (108% of average). The North Fork of the Powder River near Hazelton should yield around 11,300 ac-ft (126% of average). Rock Creek near Buffalo will yield about 19,700 ac-ft (94% of average), and Piney Creek at Kearny should yield about 38,000 ac-ft (88% of average). The Powder River at Moorhead is 178,000 ac-ft (105% of average). The Powder River near Locate is 195,000 ac-ft (105% of average). See the following page for detailed runoff volumes.

Powder River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
MF Powder R nr Barnum							
MAY-JUL	9.8	12.8	14.8	108	16.8	19.8	13.7
MAY-SEP	10.5	13.6	15.7	108	17.8	21	14.6
NF Powder R nr Hazelton							
MAY-JUL	7.8	9.4	10.5	127	11.6	13.2	8.3
MAY-SEP	8.4	10.1	11.3	126	12.5	14.2	9.0
Rock Ck nr Buffalo							
MAY-JUL	10.0	13.7	16.2	92	18.7	22	17.7
MAY-SEP	13.0	17.0	19.7	94	22	26	21
Piney Ck at Kearny							
MAY-JUL	19.2	29	35	88	41	51	40
MAY-SEP	21	31	38	88	45	55	43
Powder R at Moorhead							
MAY-JUL	70	121	156	103	191	240	151
MAY-SEP	88	142	178	105	215	270	170
Powder R nr Locate							
MAY-JUL	62	127	171	104	215	280	164
MAY-SEP	76	147	195	105	245	315	185

* 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

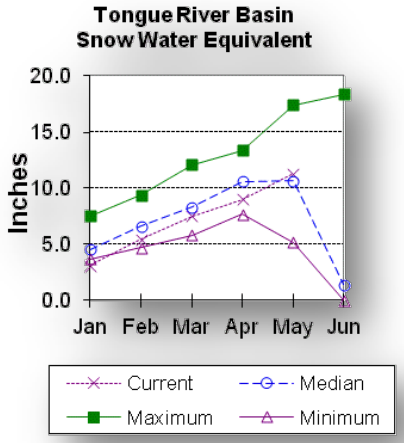
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
UPPER POWDER RIVER	5	210	138
CLEAR CREEK	4	255	120
CRAZY WOMAN CREEK	3	157	139
POWDER RIVER in WY	9	224	130

Tongue River Basin

Snow

Snow water equivalent (SWE) in the Tongue River drainage is 102% of normal. The Goose Creek drainage is 99% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

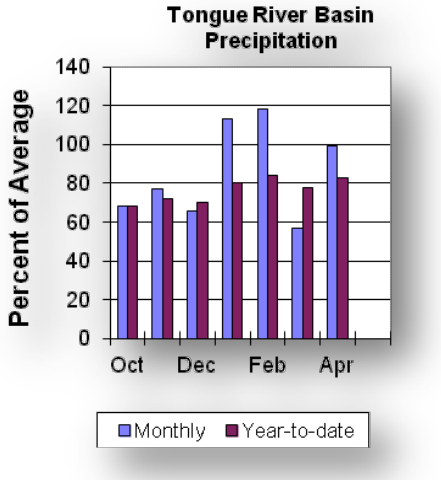
Last month's precipitation was 101% of average for the 9 reporting stations (107% of last year). Monthly percentages range from 71-230% of average. Year-to-date precipitation is 78% of average in the basin; this is 67% of last year at this time. Precipitation for the year ranges from 76-158% of average.

Reservoirs

The Tongue River Reservoir currently is storing 168% of average (58,300 ac-ft) compared to 88% of last year's storage.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be below average for the basin. The yield for Tongue River near Dayton is 86,000 ac-ft (94% of average). Big Goose Creek near Sheridan is 44,000 ac-ft (85% of average). Little Goose Creek near Bighorn is 31,000 ac-ft (84% of average). The Tongue River Reservoir Inflow is 166,000 ac-ft (84% of average). See the following page for detailed runoff volumes.



Tongue River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Tongue R nr Dayton (2)							
MAY-JUL	47	63	74	93	85	101	80
MAY-SEP	57	74	86	94	98	115	92
Big Goose Ck nr Sheridan							
MAY-JUL	22	31	36	82	41	50	44
MAY-SEP	30	38	44	85	50	58	52
Little Goose Ck nr Bighorn							
MAY-JUL	15.6	21	24	83	27	32	29
MAY-SEP	22	27	31	84	35	40	37
Tongue River Reservoir Inflow (2)							
MAY-JUL	55	109	145	83	181	235	175
MAY-SEP	70	127	166	84	205	260	198

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	58.3	66.1	34.7

TONGUE RIVER BASIN

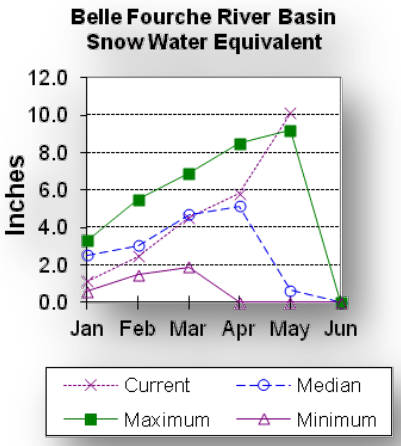
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
GOOSE CREEK	3	203	99
TONGUE RIVER BASIN	9	154	102

Belle Fourche River Basin

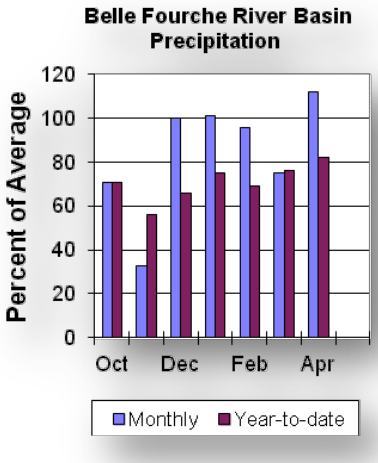
Snow

The Belle Fourche River Basin SWE is well above 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 112% of average or 112% of last year in the Black Hills. There were 6 reporting stations. Year-to-date precipitation is 83% of average and 90% of last year's amount.



Reservoirs

Belle Fourche reservoir is storing 89% of average (129,900 ac-ft), about 73% of capacity. Keyhole reservoir is storing 154% of average (151,400 ac-ft), about 78% of capacity. Shadehill reservoir is storing 57% of average (37,400 ac-ft), about 46% 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

Streamflow Forecasts - May 1, 2013

Forecast Pt Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions === Wetter ===> Chance of Exceeding * 50% (1000AF) (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BELLE FOURCHE	178.4	129.9	168.6	145.7
KEYHOLE	193.8	151.4	183.2	98.1
SHADEHILL	81.4	37.4	41.8	65.2

BELLE FOURCHE RIVER BASIN

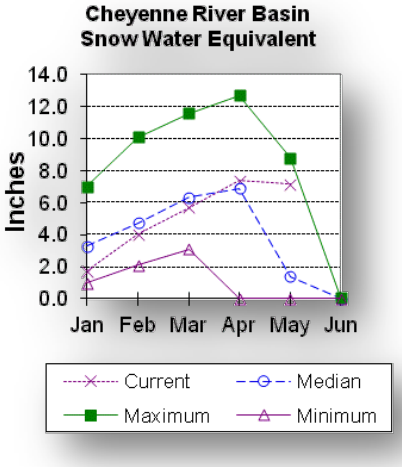
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
BELLE FOURCHE	3	1211	155

Cheyenne River Basin

Snow

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



Precipitation

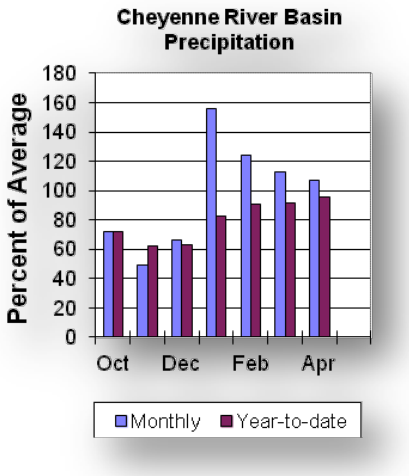
Precipitation for last month was 107% of average or 111% of last year in the Black Hills. There were 5 reporting stations. Monthly percentages range from 78-43%. Year-to-date precipitation is 96% of average and 81% of last year's amount. Yearly percentages range from 89-105% of average.

Reservoirs

Angostura is currently storing 69% of average (78,600 ac-ft), about 64% of capacity. Deerfield reservoir is storing 113% of average (15,400 ac-ft), about 101% of capacity. Pactola reservoir is storing 108% of average (51,900 ac-ft), about 94% 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 May through July period. The Deerfield Reservoir Inflow is expected to be 5,500 ac-ft (141% of average). Pactola Reservoir Inflow is expected to yield around 23,000 ac-ft (131% of average). See the following page for detailed runoff volumes.



Cheyenne River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Deerfield Reservoir Inflow (2)							
MAY-JUL	2.0	4.1	5.5	141	6.9	9.0	3.9
Pactola Reservoir Inflow (2)							
MAY-JUL	4.2	15.4	23	131	31	42	17.5

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	78.6	107.9	113.7
DEERFIELD	15.2	15.4	15.3	13.6
PACTOLA	55.0	51.9	54.3	47.9

CHEYENNE RIVER BASIN

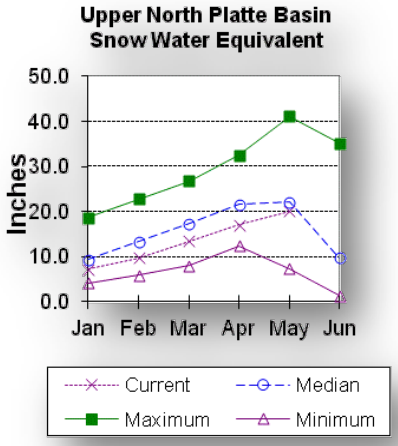
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
CHEYENNE BASIN	2	0	512

Upper North Platte River Basin

Snow

The stations above Seminoe Reservoir are showing about 91% of normal (SWE) for this time of the year. SWE in the drainage area above Northgate is 94% of normal at this time. SWE in the Encampment River drainage is about 95% of normal. Brush Creek SWE for the year is about 89% of normal. Medicine Bow and Rock Creek drainages SWE are about 85% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

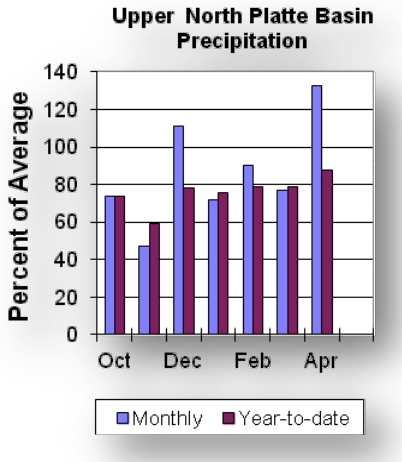
Thirteen reporting stations show last month's precipitation at 133% of average or 229% of last year's amount. Precipitation varied from 71-200% of average last month. Total water-year-to-date precipitation is about 88% of average for the basin, which is about 113% of last year's amount. Year to date percentage ranges from 48-119% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 491,600 ac-ft or 48% of capacity. Seminoe Reservoir is also storing about 100% of average for this time of the year and 59% 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 May 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 174,000 ac-ft (83% of average). The Encampment River near Encampment is 98,000 ac-ft (77% of average). Rock Creek near Arlington is 39,000 ac-ft (78% of average). Seminoe Reservoir inflow should be around 460,000 ac-ft (69% of average). See the following table for more detailed information on projected runoff.



Upper North Platte River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
North Platte R nr Northgate							
MAY-JUL	74	122	155	83	188	235	187
MAY-SEP	80	136	174	83	210	270	210
Encampment R nr Encampment							
MAY-JUL	58	78	91	77	104	124	118
MAY-SEP	63	84	98	77	112	133	127
Rock Ck nr Arlington							
MAY-JUL	26	32	37	77	42	48	48
MAY-SEP	27	34	39	78	44	51	50
Sweetwater R nr Alcova							
MAY-JUL	1.0	4.7	14.0	30	23	37	46
MAY-SEP	2.7	6.4	16.6	33	27	42	50
Seminoe Reservoir Inflow (2)							
MAY-JUL	127	300	420	68	540	715	615
MAY-SEP	136	330	460	69	590	785	670

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	491.6	826.5	492.5

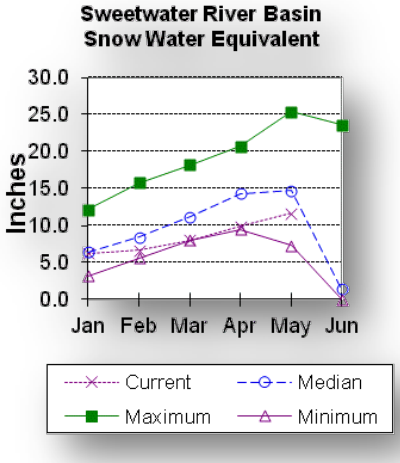
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
N PLATTE above Northgate	7	297	94
ENCAMPMENT RIVER	4	260	95
BRUSH CREEK	5	317	89
MEDICINE BOW & ROCK CREEKS	2	147	85
N PLATTE above Seminoe	18	255	91

Sweetwater River Basin

Snow

SWE for the Sweetwater River Basin is at 63% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

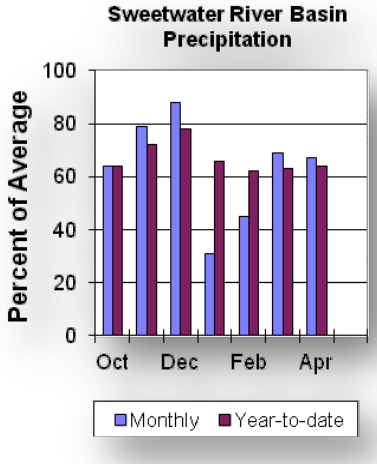


Precipitation

Last month's precipitation was 67% of average or 146% of last year's amount. The water year-to-date precipitation for the basin is currently 64% of average (81% of last year).

Reservoirs

Reservoir storage is as follows: Pathfinder 398,900 ac-ft (65% of average). Last year at this time the reservoir was 905,400 ac-ft.



Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period. The Sweetwater River near Pathfinder is forecast to yield about 16,600 ac-ft (33% of average). See the following table for more detailed information on projected runoff.

Sweetwater River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF) (% AVG.)	30% (1000AF)	=== Wetter ===> 10% (1000AF)	30 Yr Avg (1000AF)
Sweetwater R nr Alcova						
MAY-JUL	1.0	4.7	14.0 (30)	23	37	46
MAY-SEP	2.7	6.4	16.6 (33)	27	42	50

* 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 April

Reservoir	Usable Capacity	Usable Storage This Year	Usable Storage Last Year	Usable Storage Average
PATHFINDER	1016.5	398.9	905.4	617.9

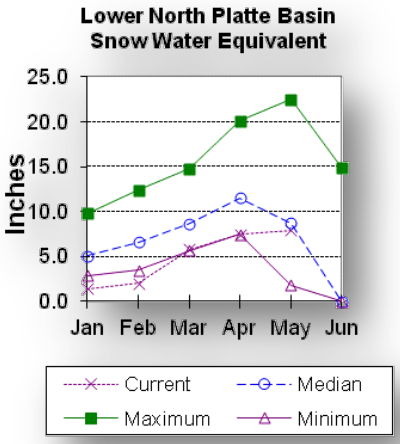
SWEETWATER RIVER BASIN
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SWEETWATER	3	168	63

Lower North Platte River Basin

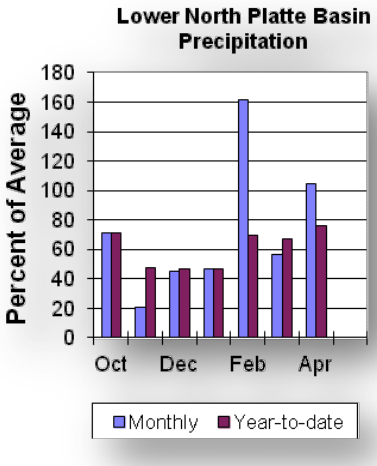
Snow

SWE for the Lower North Platte River Basin (Laramie Range Mts.) is at 91% of normal. Deer and LaPrele Creek SWE are at 90% of normal. SWE for the North Platte (includes Upper North Platte, Sweetwater and Laramie River Basins) is 92% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 105% of average or 155% of last year's amount. Of the 5 reporting stations, percentages for the month range from 82-197%. The water year-to-date precipitation for the basin is currently 76% of average (75% of last year). Year-to-date percentages range from 64-101% of average.



Reservoirs

Reservoir storage is as follows: Alcova 180,300 ac-ft (101% of average); Glendo 385,200 ac-ft (89% of average); Guernsey 6,800 ac-ft (23% of average); Pathfinder 398,900 ac-ft (65% of average). The combined storage of these 4 reservoirs plus Seminoe is 83% of average, 53% of capacity, and 61% of last year at this time.

Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period. North Platte River below Glendo Reservoir is 485,000 ac-ft (69% of average). See the following table for more detailed information on projected runoff.

Lower North Platte River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
North Platte R-Alcova to Orin Gain							
MAY-JUL	-6.0	10.0	26	27	67	128	96
MAY-SEP	-6.0	11.0	28	27	70	132	104
North Platte R bl Glendo Res (2)							
MAY-JUL	215	360	460	69	560	705	670
MAY-SEP	235	385	485	69	585	735	700
North Platte R bl Guernsey Res (2)							
MAY-JUL	185	360	480	72	600	775	670
MAY-SEP	210	390	515	74	640	820	700

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	180.3	179.4	178.9
GLENDO	506.4	385.2	478.1	434.5
GUERNSEY	45.6	6.8	20.0	29.9
PATHFINDER	1016.5	398.9	905.4	617.9

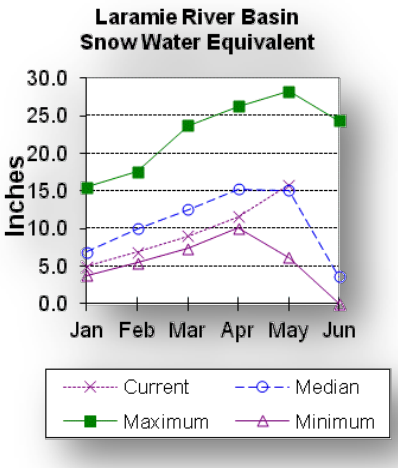
LOWER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
DEER & LaPRELE CREEKS	2	213	90
N PLATTE Laramie Range Mts.	4	194	91

Laramie River Basin

Snow

SWE for the Laramie River Basin above mouth is at 105% of normal. SWE for the Laramie River above Laramie is 119% of normal. SWE for the Little Laramie River is 95% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

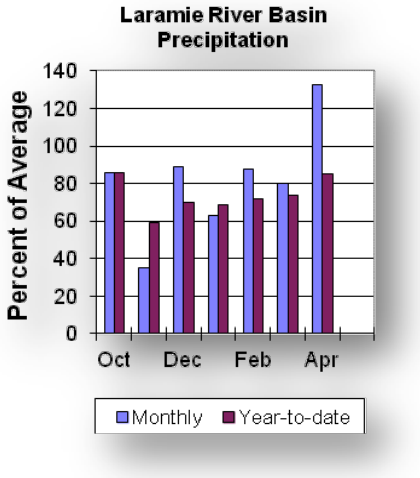


Precipitation

Last month's precipitation was 133% of average or 253% of last year's amount. Of the 8 reporting stations, percentages for the month range from 62-173%. The water year-to-date precipitation for the basin is currently 85% of average (101% of last year). Year-to-date percentages range from 64-112% of average.

Reservoirs

Reservoir storage is as follows: Wheatland #2 32,400 ac-ft (last year it was at 95,000 ac-ft).



Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period. Laramie River near Woods Landing should yield around 105,000 ac-ft (88% of average). The Little Laramie near Filmore should produce about 39,000 ac-ft (75% of average). See the following table for more detailed information on projected runoff.

Laramie River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Laramie R nr Woods							
MAY-JUL	61	81	95	88	109	129	108
MAY-SEP	67	90	105	88	120	143	119
Little Laramie R nr Filmore							
MAY-JUL	22	30	36	75	42	50	48
MAY-SEP	23	33	39	75	45	55	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.

LARAMIE RIVER BASIN

Reservoir Storage (1000AF) End of April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WHEATLAND #2	98.9	32.4	95.0	----

LARAMIE RIVER BASIN

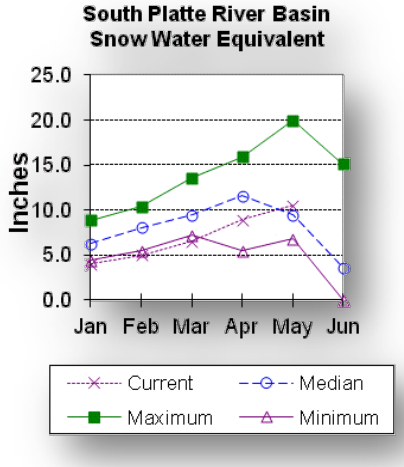
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
LARAMIE RIVER abv Laramie	6	356	119
LITTLE LARAMIE RIVER	5	323	95
LARAMIE RIVER above mouth	12	349	105
NORTH PLATTE TOTAL RIVER BAS	34	243	92

South Platte River Basin

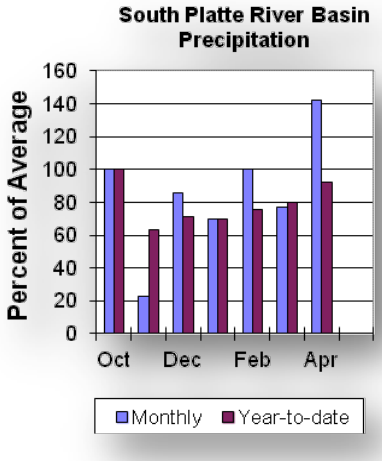
Snow

SWE for the South Platte River Basin is at 111% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 142% of average or 63% of last year's amount. The water year-to-date precipitation for the basin is currently 92% of average (107% of last year).



Reservoirs

No reservoir data for the basin.

Streamflow

There are no streamflow forecast points for the basin.

South Platte River Basin

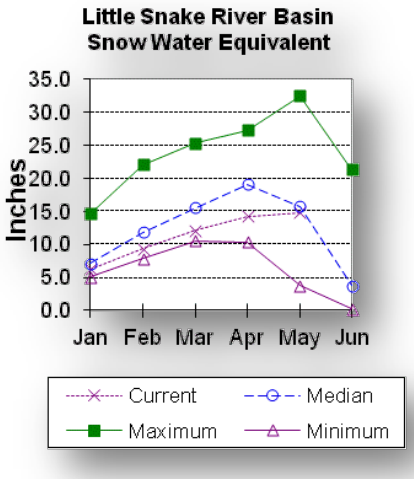
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SOUTH PLATTE RIVER	7	353	111

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 94% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

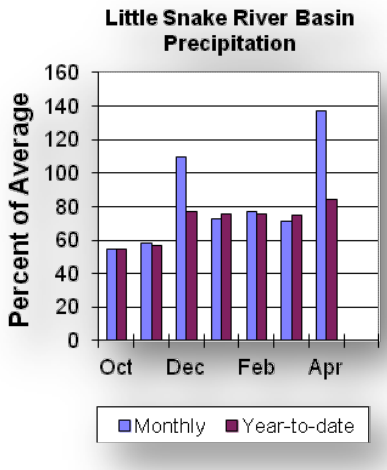
Precipitation across the basin was 138% of average (261% of last year) for the 8 reporting stations. Last month's precipitation ranged from 91-168% of average. The Little Snake River basin water-year-to-date precipitation is currently 84% of average (109% of last year). Year-to-date percentages range from 70-105% of average.

Reservoirs

High Savery Dam is currently holding 9,800 ac-ft. This is 65% of average and 44% of capacity.

Streamflow

The 50% exceedance forecast for the May 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 86,000 ac-ft (62% of average). The Little Snake River at Dixon is estimated to yield around 158,000 ac-ft (54% of average). See the following table for more detailed information on projected runoff.



Little Snake River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Little Snake R nr Slater (2)							
APR-JUL	68	82	92	59	103	120	156
MAY-JUL	62	76	86	62	97	113	138
Little Snake R nr Dixon (2)							
APR-JUL	100	140	172	50	207	265	345
MAY-JUL	86	126	158	54	193	251	295

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
HIGH SAVERY	22.4	9.8	16.2	15.1

LITTLE SNAKE RIVER BASIN

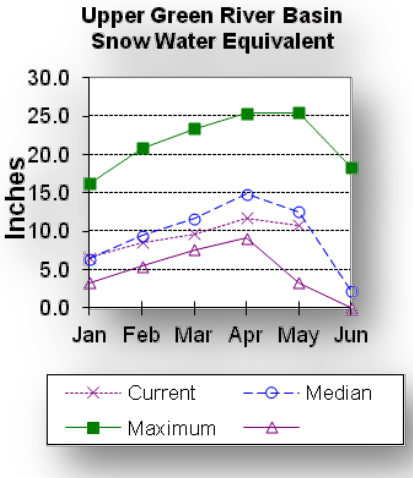
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
LITTLE SNAKE RIVER	10	329	94

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 75% of normal. SWE for the West Side of Upper Green River Basin is about 94% of normal. Newfork River Basin SWE is now about 88% of normal. Big Sandy-Eden Valley Basin is 55% of normal. SWE in the Green River Basin above Fontenelle Reservoir is about 90% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

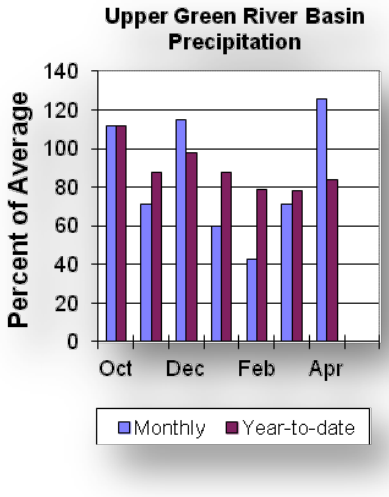


Precipitation

The 12 reporting precipitation sites in the basin were 126% of average last month (171% of last year). Last month's precipitation varied from 86-184% of average. Water year-to-date precipitation is about 84% of average (86% of last year). Year to date percentage of average ranges from 66-97% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 10,500 ac-ft or 27% of capacity. This is 45% of average. Fontenelle Reservoir is 127,600 ac-ft or 37% of capacity; 102% of average.(111% of last year). This is 93% 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 May 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 161,000 ac-ft (72% of average). Pine Creek above Fremont Lake is 70,000 ac-ft (73% of average). New Fork River near Big Piney is 195,000 ac-ft (59% of average). Fontenelle Reservoir Inflow is estimated to be 350,000 ac-ft (55% of average), and Big Sandy near Farson is expected to be around 28,000 ac-ft (58% of average). See the following table for more detailed information on projected runoff.

Upper Green River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R at Warren Bridge							
APR-JUL	136	157	172	70	188	210	245
MAY-JUL	125	146	161	72	177	200	225
Pine Ck ab Fremont Lake							
APR-JUL	59	66	71	72	76	85	98
MAY-JUL	58	65	70	73	75	84	96
New Fork R nr Big Piney							
APR-JUL	140	176	205	58	235	280	355
MAY-JUL	132	168	195	59	225	270	330
Fontenelle Reservoir Inflow (2)							
APR-JUL	250	335	400	55	470	590	725
MAY-JUL	200	285	350	55	420	540	640
Big Sandy R nr Farson							
APR-JUL	21	26	30	58	34	41	52
MAY-JUL	19.1	24	28	58	32	39	48

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	10.5	30.0	23.1
FONTENELLE	344.8	127.6	160.1	125.0

UPPER GREEN RIVER BASIN

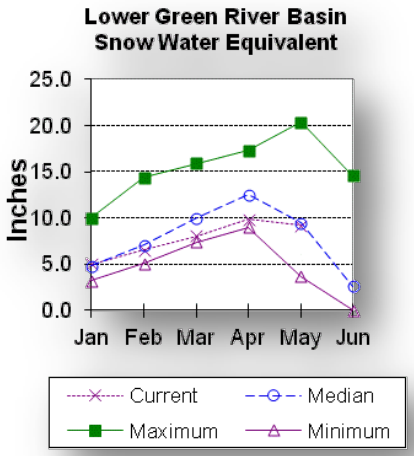
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
GREEN above Warren Bridge	5	235	76
UPPER GREEN (West Side)	5	120	94
NEWFORK RIVER	3	115	89
BIG SANDY/EDEN VALLEY	2	117	55
GREEN above Fontenelle	14	138	91

Lower Green River Basin

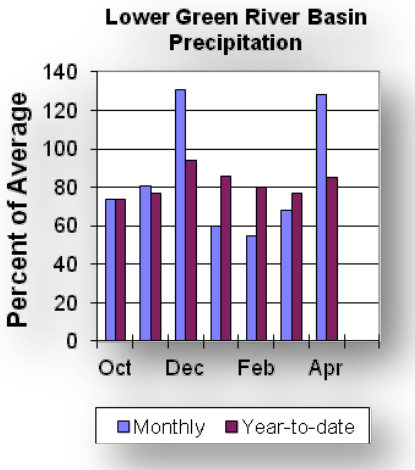
Snow

SWE in the Green River Basin above Flaming Gorge is 95% of normal. SWE in the Hams Fork Basin is 101% of normal. Blacks Fork Basin SWE is currently 120% of normal. In the Henrys Fork drainage SWE is 138%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for the 12 reporting stations during last month was at 128% of average or 187% of last year. Precipitation ranged from 47-183% of average for the month. The basin year-to-date precipitation is currently 85% of average (95% of last year). Year-to-date percentages range from 27-122% of average.



Reservoirs

Fontenelle Reservoir is currently storing 127,600 ac-ft; this is 102% of average (80% of last year). Flaming Gorge is currently storing 3,006,900 ac-ft; compared to 3,205,000 at this time last year. Viva Naughton is currently storing 29,500 ac-ft, 93% of average or 70% 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 May 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 350,000 ac-ft (55% of average). The Blacks Fork near Robertson is forecast to yield 67,000 ac-ft (79% of average). East Fork of Smiths Fork near Robertson is forecast to yield 19,000 ac-ft (73% 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 (65% of average). The Flaming Gorge Reservoir inflow will be about 500,000 ac-ft (59% of average). See the following table for more detailed information on projected runoff.

Lower Green River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R nr Green River, WY (2)							
APR-JUL	240	330	400	55	475	605	730
MAY-JUL	192	280	350	55	425	555	640
Blacks Fk nr Robertson							
APR-JUL	56	64	70	79	76	86	89
MAY-JUL	53	61	67	79	73	83	85
EF of Smiths Fork nr Robertson (2)							
APR-JUL	12.2	16.4	19.6	75	24	29	26
MAY-JUL	11.6	15.8	19.0	73	23	28	26
Hams Fk bl Pole Ck nr Frontier							
APR-JUL	26	31	35	65	39	46	54
MAY-JUL	22	27	31	65	35	42	48
Viva Naughton Reservoir Inflow (2)							
APR-JUL	31	39	45	61	52	63	74
MAY-JUL	24	32	38	61	45	56	62
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	405	500	570	58	645	770	980
MAY-JUL	335	430	500	59	575	700	845

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	127.6	160.1	125.0
FLAMING GORGE	3749.0	3006.9	3205.0	3039.0
VIVA NAUGHTON RES	42.4	29.5	42.5	31.6

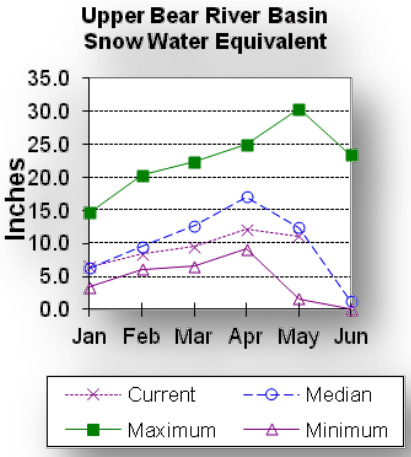
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - May 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
HAMS FORK RIVER	4	177	101
BLACKS FORK	4	656	120
HENRYS FORK	3	3200	136
GREEN above Flaming Gorge	26	194	95

Upper Bear River Basin

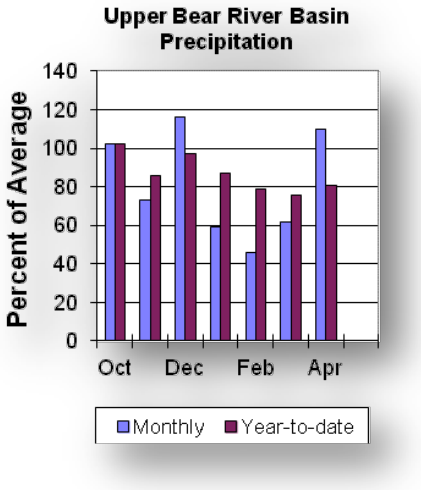
Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 96% of normal. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is at 105% of normal. Bear River Basin SWE, above the Idaho State line, is 93% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 110% of average for the 8 reporting stations; this is 148% of the precipitation received last year. Precipitation ranged from 44-139% of average for the month. The year-to-date precipitation, for the basin, is 81% of average; this is 99% of last year's amount. Year-to-date percentages range from 60-86% of average.



Reservoirs

Storage in Woodruff Narrows reservoir is 17,300 ac-ft. Reservoir storage last year at this time was 58,900 ac-ft.

Streamflow

The following 50% exceedance forecasts are for the May through September period. The Bear River near the Utah-Wyoming State Line is 70,000 ac-ft (60% of average). The Bear River above Reservoir near Woodruff is 53,000 ac-ft (48% of average). The Smiths Fork River near Border Jct. is 55,900 ac-ft (59% of average). See the following table for more detailed information on projected runoff.

Upper Bear River Basin

Streamflow Forecasts - May 1, 2013

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions * Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Bear R nr UT-WY State Line							
APR-JUL	47	61	70	63	79	93	112
APR-SEP	51	66	76	62	86	101	123
MAY-JUL	43	56	64	62	72	85	104
MAY-SEP	47	61	70	60	79	93	116
Bear R ab Res nr Woodruff							
APR-JUL	29	47	60	50	73	91	121
APR-SEP	32	50	63	49	76	94	128
MAY-JUL	21	38	50	48	62	79	105
MAY-SEP	24	41	53	48	65	82	111
Smiths Fk nr Border							
APR-JUL	42	50	55	62	60	68	89
APR-SEP	46	55	62	60	69	78	104
MAY-JUL	36	44	49	61	54	62	80
MAY-SEP	40	49	56	59	63	72	95

* 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 April

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WOODRUFF NARROWS	57.3	17.3	58.9	45.5

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - May 1, 2013

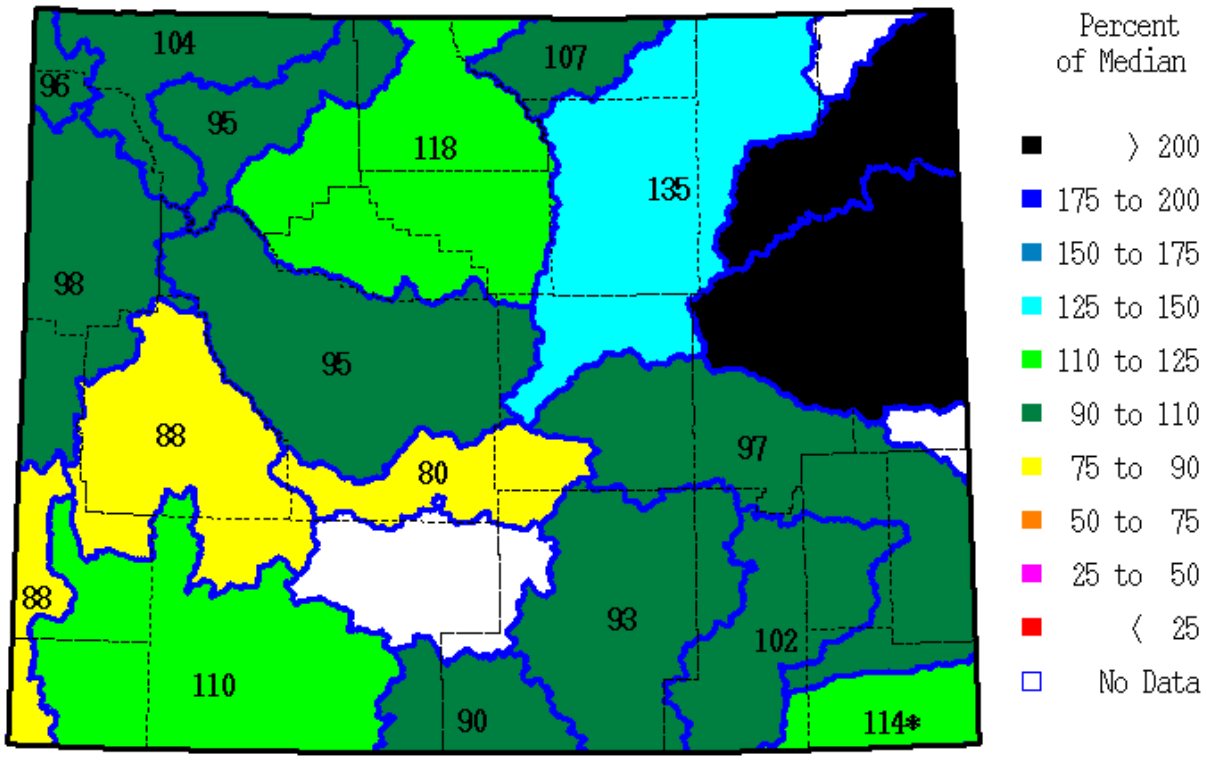
Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
UPPER BEAR RIVER in Utah	6	506	97
SMITHS & THOMAS FORKS	3	300	105
BEAR RIVER abv ID line	11	297	93

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 Thursday, 02 May 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

Natural Resources Conservation Service
100 East B Street
Box 33124
Casper, WY 82601

«Name»
«Title»
«Address1»
«Address2»
«City», «State» «PostalCode»

«MailingListID»