

Wyoming Basin Outlook Report

May 1, 2014



Gros Ventre Summit SNOTEL (Gros Ventre Range)

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 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers. If you believe you experienced discrimination when obtaining services from USDA, participating in a USDA program, or participating in a program that receives financial assistance from USDA, you may file a complaint with USDA. Information about how to file a discrimination complaint is available from the Office of the Assistant Secretary for Civil Rights. USDA prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex (including gender identity and expression), marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, complete, sign, and mail a program discrimination complaint form, available at any USDA office location or online at www.ascr.usda.gov, or write to: USDA Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW, Washington, DC 20250-9410 Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). USDA is an equal opportunity provider, employer, and lender. Persons with disabilities who require alternative means for communication of program information (e.g., Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is above median for May 1st at 144%. The water year precipitation average for WY as of May 1st is 119%. Monthly precipitation for the basins varied from 49-148% of average. Year-to-date precipitation for Wyoming basins varies from 94-151% of average. Forecasted runoff varies from 58-195% of average across the Wyoming basins for an overall average of 134%. Basin reservoir levels for Wyoming vary from 56-178% of average for an overall average of 93%.

Snowpack

Snow water equivalent (SWE), across Wyoming is above median for this time of year at 144%. SWE in the NW portion of Wyoming is now about 152% of median (148% of last year). NE Wyoming SWE is currently about 168% of median (138% of last year). The SE Wyoming SWE is currently about 120% of median (130% of last year). The SW Wyoming SWE is about 133% of median (139% of last year).

Precipitation

Last month's precipitation varied considerably across Wyoming. The Shoshone River Basin had the highest precipitation for the month at 148% of average. The Sweetwater River Basin had the lowest precipitation amount at 49% of average. The following table displays the major river basins and their departure from average for last month.

Basin	Departure from average	Basin	Departure from average
Snake River	+00%	Upper North Platte River	-23%
Madison-Gallatin	+27%	Sweetwater River	-51%
Yellowstone	+28%	Lower North Platte	-10%
Wind River	-42%	Laramie River	-06%
Bighorn	-19%	South Platte	-15%
Shoshone	+48%	Little Snake River	-45%
Powder River	-23%	Upper Green River	-33%
Tongue River	-06%	Lower Green River	-44%
Belle Fourche	-47%	Upper Bear River	-36%
Cheyenne	-08%		

Streams

Stream flow yield for May to September is expected to be well above average overall across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 134% (varying from 58-195% of average). The Snake River, Upper Yellowstone and Madison River Basins are expected to yield about 134%, 138% and 115% of average, respectively; 115-147% of average for the various forecast points in the basins. Yields from the Wind and Bighorn River Basins are expected to be about 114% and 122% of average, respectively; varying from 67-130% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 153% and 153% of average, respectively. Yields from the Powder & Tongue River Basins are expected to be about 178% and 152% of average, respectively; varying from 135-178% of average. Yield for the Cheyenne River Basin is expected to be about 190% of average. Yields for the Upper North Platte, Sweetwater, Lower North Platte, and Laramie Rivers of Wyoming are expected to be about 121%, 58%, 124%, and 129% of

average, respectively; varying from 58-138% of average. Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 112%, 138%, and 99% of average respectively.

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 92% of average for the entire state. Reservoirs in the Wind River Basin are above average at 112%. Reservoirs on the Big Horn are about average at 99%. The Buffalo Bill Reservoir on the Shoshone is above average at 116%. Reservoirs in the Belle Fourche and Cheyenne River Basins are above average in storage at 133 & 101% respectively. Reservoirs on the Lower North Platte River are below average at 87%. Reservoirs on the Green River are slightly below average at 98%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming May 1, 2014

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	98	97	101	100
ANGOSTURA	89	64	93	95	138
BELLE FOURCHE	87	73	82	107	120
BIG SANDY	38	27	60	63	139
BIGHORN LAKE	52	63	57	92	83
BOYSEN	87	82	80	109	107
BUFFALO BILL	61	65	52	116	93
BULL LAKE	67	52	49	135	128
DEERFIELD	01	101	89	113	100
ENNIS LAKE	81	75	79	103	108
FLAMING GORGE	79	80	81	98	99
FONTENELLE	40	37	36	111	108
GLENDON	95	76	86	111	125
Grassy Lake	94	88	84	112	108
GUERNSEY	81	15	66	124	544
HEBGEN LAKE	80	73	73	109	109
Jackson Lake	35	77	53	67	46
KEYHOLE	90	78	51	178	115
PACTOLA	98	94	87	113	104
Palisades	36	54	65	56	67
PATHFINDER	40	39	61	65	101
PILOT BUTTE	84	76	83	102	110
SEMINOE	36	48	48	75	75
SHADEHILL	98	46	80	122	213
TONGUE RIVER	58	74	44	131	78
VIVA NAUGHTON RES	65	70	75	88	94
WHEATLAND #2	75	33	56	134	230
WOODRUFF NARROWS	67	30	79	84	220
TOTAL 26 RESERVOIRS	62	66	67	92	94

BASIN SUMMARY of SNOTEL and SNOW COURSE DATA

MAY 2014

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10

WYOMING Snow Course and SNOTEL Stations						
ALBANY	9400	4/28/14	35	13.8	11.7	9.6
ARAPAHO RIDGE SNTL	10960	5/01/14	81	29.8	22.0	--
BALD MOUNTAIN SNOTEL	9380	5/01/14	87	30.0	17.5	20.5
BASE CAMP SNOTEL	7030	5/01/14	45	17.9	10.5	9.3
BATTLE MTN. SNOTEL	7440	5/01/14	0	.1	1.6	.0
BEARLODGE DIVIDE	4680	4/29/14	0	.0	1.6	.0
BEARTOOTH LK. SNOTEL	9280	5/01/14	99	34.9	19.9	22.8
BEAR RIVER RS SNOTEL	8780	5/01/14	0	.0	1.0	--
BEAR TRAP SNOTEL	8200	5/01/14	24	8.0	7.7	.9
BIG GOOSE SNOTEL	7760	5/01/14	43	13.2	9.1	9.2
BIG SANDY SNOTEL	9080	5/01/14	37	14.4	10.3	10.6
BLACK BEAR SNOTEL	7950	5/01/14	112	45.9	40.0	37.4
BLACK'S FORK JUNCTN	8930	4/27/14	13	3.1	6.7	4.0
BLACKS FORK JCT SNT	8870	5/01/14	11	3.8	5.9	--
BLACKHALL MTN SNOTEL	9820	5/01/14	97	39.6	29.1	--
BLACKWATER SNOTEL	9780	5/01/14	97	36.0	25.9	25.3
BLIND BULL SNOTEL	8900	5/01/14	89	38.3	22.0	23.1
BLIND PARK SNOTEL	6870	5/01/14	14	3.0	3.8	.8
BONE SPGS. SNOTEL	9350	5/01/14	71	25.4	17.0	16.5
BROOKLYN LK. SNOTEL	10220	5/01/14	82	31.2	20.0	23.3
BUCK PASTURE SNOTEL	9700	5/01/14	32	12.2	13.4	--
BUG LAKE SNOTEL	7950	5/01/14	44	20.0	11.5	15.1
BURGESS JCT. SNOTEL	7880	5/01/14	56	18.4	12.3	12.1
BUTTER HILL	7880	4/28/14	20	7.8	12.2	10.2
BURTS-MILLER RANCH S	7860	5/01/14	0	.0	.0	.0
CANYON SNOTEL	8090	5/01/14	43	15.4	11.3	10.4
CASPER MTN. SNOTEL	7850	5/01/14	53	18.2	12.2	13.3
CASTLE CREEK SNOTEL	8400	5/01/14	14	5.9	.6	--
CASTLE CREEK	8400	4/28/14	16	4.8	.0	1.0
CHALK CK #1 SNOTEL	9100	5/01/14	53	20.8	19.9	24.2
CINNABAR PARK SNOTEL	9690	5/01/14	---	24.4	14.7	19.4
CLOUD PEAK SNOTEL	9850	5/01/14	76	24.6	15.7	16.5
COLE CANYON SNOTEL	5910	5/01/14	16	4.0	3.6	.3
COLD SPRINGS SNOTEL	9630	5/01/14	20	6.2	2.0	1.3
COLUMBINE SNOTEL	9300	5/01/14	67	31.3	17.1	18.2
COTTONWOOD CR SNOTEL	7700	5/01/14	---	28.2	16.2	15.3
CROW CREEK SNOTEL	8830	5/01/14	6	1.6	2.4	.0
DARBY CANYON	8250	4/29/14	81	28.8	20.0	22.9
DEADMAN HILL SNOTEL	10200	5/01/14	---	27.4	18.0	19.0
DEER PARK SNOTEL	9700	5/01/14	50	18.2	13.0	16.0
DIVIDE PEAK SNOTEL	8860	5/01/14	42	15.7	13.7	18.0
DOME LAKE SNOTEL	8880	5/01/14	58	18.0	11.3	11.4
DU NOIR	8760	4/29/14	29	9.8	6.1	4.1
EF BLACKS FORK GS SN	9360	5/01/14	24	6.1	11.4	--
EAST RIM DIV SNOTEL	7930	5/01/14	29	11.6	3.8	8.2
ELBO RANCH	7100	4/28/14	38	14.0	--	9.4
ELKHART PARK SNOTEL	9400	5/01/14	---	18.4	10.1	11.3
ELK RIVER SNOTEL	8600	5/01/14	32	15.9	12.8	13.2
EVENING STAR SNOTEL	9200	5/01/14	109	42.5	26.2	24.9
FISHER CREEK SNOTEL	9100	5/01/14	126	47.9	32.9	32.7
FOXPARK	9060	4/28/14	11	5.1	7.8	5.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
GEYSER CREEK	8500	4/29/14	24	7.6	5.1	3.3
GLADE CREEK	7040	4/29/14	56	23.8	17.4	18.6
GRAND TARGHEE SNOTEL	9260	5/01/14	139	55.5	41.8	44.8
GRANITE CRK SNOTEL	6770	5/01/14	50	19.4	8.0	8.3
GRASSY LAKE	7270	4/29/14	77	33.8	22.3	28.1
GRASSY LAKE SNOTEL	7270	5/01/14	85	39.5	24.6	29.1
GRAVE SPRINGS SNOTEL	8550	5/01/14	41	13.3	8.2	9.4
GROS VENTRE SNOTEL	8750	5/01/14	38	14.3	9.9	11.6
GUNSIGHT PASS SNOTEL	9820	5/01/14	52	20.6	12.2	12.5
HAIRPIN TURN	9480	4/29/14	48	18.5	13.2	12.8
HANSEN S.M. SNOTEL	8360	5/01/14	25	8.4	7.1	2.5
HAMS FORK SNOTEL	7840	5/01/14	18	9.2	1.7	2.9
HASKINS CREEK	8980	4/28/14	74	30.2	27.0	31.2
HOBBS PARK SNOTEL	10100	5/01/14	45	16.3	12.9	16.0
INDIAN CREEK SNOTEL	9430	5/01/14	---	32.2	22.6	23.0
JACKPINE CREEK	7350	4/29/14	60	22.6	14.1	18.5
JOE WRIGHT SNOTEL	10000	5/01/14	82	28.9	22.0	23.3
KELLEY R.S. SNOTEL	8180	5/01/14	39	15.7	11.2	11.5
KENDALL R.S. SNOTEL	7740	5/01/14	40	16.5	2.0	4.3
KIRWIN SNOTEL	9550	5/01/14	54	19.2	11.1	10.4
LA PRELE SNOTEL	8380	5/01/14	27	6.7	4.8	6.1
LARSEN CREEK SNOTEL	9020	5/01/14	18	7.8	.0	9.2
LEWIS LAKE DIVIDE	7850	4/29/14	109	49.6	34.4	37.0
LEWIS LAKE SNOTEL	7850	5/01/14	96	43.1	27.7	30.1
LIBBY LODGE	8750	4/29/14	29	10.3	8.0	5.8
LITTLE GOOSE SNOTEL	8870	5/01/14	50	15.6	10.6	--
LITTLE SNAKE RIVER	8920	5/01/14	65	26.2	21.1	22.3
LITTLE WARM SNOTEL	9370	5/01/14	37	13.4	8.9	8.7
LOOMIS PARK SNOTEL	8240	5/01/14	---	22.9	8.3	11.0
LUPINE CREEK	7380	4/30/14	14	4.1	3.6	1.2
MADISON PLT SNOTEL	7750	5/01/14	72	27.4	20.6	21.3
MARQUETTE SNOTEL	8760	5/01/14	43	15.7	9.2	--
MEDICINE LODGE LAKES	9340	4/25/14	49	15.9	13.9	11.0
MIDDLE FORK	7420	4/30/14	0	.0	4.4	1.8
MIDDLE POWDER SNOTEL	7760	5/01/14	51	18.9	13.1	11.6
MOSS LAKE	9800	4/29/14	69	26.2	20.7	23.4
NEVER SUMMER SNOTEL	10280	5/01/14	81	28.9	19.6	--
NEW FORK SNOTEL	8340	5/01/14	30	12.1	3.7	6.5
NORRIS BASIN	7500	4/30/14	19	7.6	3.0	5.4
N.E. ENTRANCE SNOTEL	7350	5/01/14	28	11.4	3.3	3.0
NORTH BARRETT CREEK	9400	4/29/14	74	25.8	20.3	22.0
NORTH FRENCH SNOTEL	10130	5/01/14	106	40.6	26.0	32.9
NORTH RAPID CK SNTL	6130	5/01/14	18	3.8	4.4	.8
NORTH TONGUE	8450	4/28/14	56	18.2	11.5	11.9
OLD BATTLE SNOTEL	9920	5/01/14	92	35.9	30.4	34.7
OLD FAITHFUL	7400	4/29/14	40	15.9	11.9	7.4
ONION GULCH	8780	4/24/14	35	10.5	10.4	7.0
OWL CREEK SNOTEL	8980	5/01/14	6	1.8	4.8	1.0
PARKERS PEAK SNOTEL	9400	5/01/14	97	37.7	25.6	21.3
PHILLIPS BNCH SNOTEL	8200	5/01/14	89	36.7	24.0	25.4
POCKET CREEK SNOTEL	9350	5/01/14	46	12.5	8.6	--
POLE MOUNTAIN	8700	4/28/14	23	5.8	7.7	4.6
POWDER RVR.PASS SNTL	9480	5/01/14	44	15.8	13.6	9.4
PURGATORY GULCH	8970	4/28/14	26	9.0	13.6	10.7
RANGER CREEK	8120	4/25/14	33	11.0	9.9	6.1
RAWAH SNOTEL	9020	5/01/14	---	10.0	11.2	--
RENO HILL SNOTEL	8500	5/01/14	60	19.7	12.0	12.6

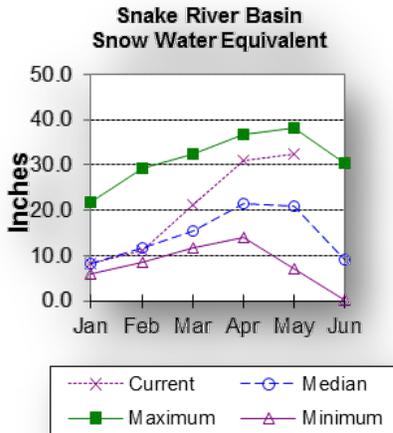
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	MEDIAN 81-10
REUTER CANYON	6280	4/29/14	14	3.6	5.7	.4
ROACH SNOTEL	9400	5/01/14	---	20.9	16.1	17.2
RYAN PARK	8400	4/30/14	38	10.2	7.9	5.8
SAGE CK BASIN SNTL	7850	5/01/14	7	1.8	5.3	1.1
SALT RIVER SNOTEL	7600	5/01/14	35	13.9	7.4	7.9
SAND LAKE SNOTEL	10050	5/01/14	103	37.0	26.1	31.4
SANDSTONE RS SNOTEL	8150	5/01/14	16	5.0	5.3	5.9
SAWMILL DIVIDE	9260	4/28/14	63	20.0	14.3	14.3
SHELL CREEK SNOTEL	9580	5/01/14	75	22.1	17.5	15.9
SHERIDAN R.S.	7750	4/28/14	18	6.7	2.7	2.1
SNAKE RV STA SNOTEL	6920	5/01/14	40	15.1	7.9	7.4
SNIDER BASIN SNOTEL	8060	5/01/14	27	12.8	4.3	9.4
SNOW KING MTN	7660	4/29/14	34	12.1	7.5	10.3
SOLDIER PARK SNOTEL	8780	5/01/14	35	12.9	6.0	--
SOUTH BRUSH SNOTEL	8440	5/01/14	28	8.8	7.8	9.2
SOUTH PASS SNOTEL	9040	5/01/14	41	15.2	11.4	14.9
SPRING CRK. SNOTEL	9000	5/01/14	89	38.4	25.1	24.3
STILLWATER CAMP	8550	4/26/14	4	1.2	5.6	4.0
ST LAWRENCE ALT SNTL	8620	5/01/14	0	.0	.9	2.5
SUCKER CREEK SNOTEL	8880	5/01/14	63	19.2	14.0	12.2
SYLVAN LAKE SNOTEL	8420	5/01/14	64	25.4	17.8	19.8
SYLVAN ROAD SNOTEL	7120	5/01/14	21	7.9	.9	5.8
T CROSS RANCH	7900	4/29/14	19	6.7	.9	1.2
TETON PASS W.S.	7740	4/28/14	102	38.7	22.0	25.7
THUMB DIVIDE SNOTEL	7980	5/01/14	50	20.2	13.0	12.4
TIE CREEK SNOTEL	6870	5/01/14	23	7.3	4.3	2.7
TIMBER CREEK SNOTEL	7950	5/01/14	2	1.4	3.1	3.1
TOGWOTEE PASS	9580	4/30/14	98	38.9	25.0	27.5
TOGWOTEE PASS SNOTEL	9580	5/01/14	93	35.2	22.9	24.7
TOWER SNOTEL	10000	5/01/14	195	54.8	38.2	50.0
TOWNSEND CRK SNOTEL	8700	5/01/14	18	5.3	7.2	7.5
TRIPLE PEAK SNOTEL	8500	5/01/14	73	32.7	19.6	17.5
TWENTY-ONE MILE	7150	4/30/14	33	12.2	11.3	11.3
TWO OCEAN SNOTEL	9240	5/01/14	100	39.7	31.6	29.7
TYRELL RANGER STA.	8300	4/24/14	29	9.1	8.9	4.4
WEBBER SPRING SNOTEL	9250	5/01/14	61	22.7	20.6	21.7
WHISKEY PARK SNOTEL	8950	5/01/14	74	37.9	24.4	26.5
WHITE MILL SNOTEL	8700	5/01/14	94	36.5	24.7	23.8
WILLOW CREEK SNOTEL	8450	5/01/14	82	40.3	25.7	23.0
WINDY PEAK SNOTEL	7900	5/01/14	22	6.9	4.0	4.0
WOLVERINE SNOTEL	7650	5/01/14	37	12.7	5.9	2.5
WOOD ROCK G.S.	8440	4/28/14	48	14.8	8.8	9.8
ZIRKEL SNOTEL	9340	5/01/14	72	37.7	23.7	--

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) above Palisades is 150% of median. SWE in the Snake River Basin above Jackson Lake is 142% of median. Pacific Creek Basin SWE is 148% of median. Buffalo Fork SWE is 143% of median. Gros Ventre River Basin SWE is 144% of median. SWE in the Hoback River drainage is 174% of median. SWE in the Greys River drainage is 172% of median. In the Salt River area SWE is 174% of median.

See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.



Precipitation

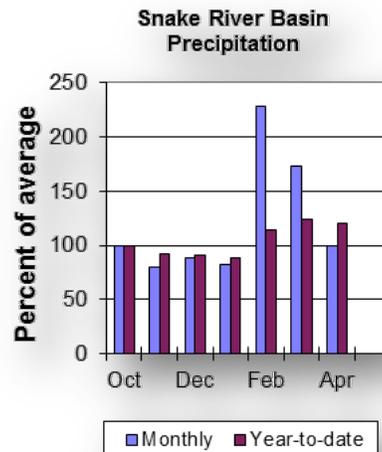
Precipitation across the basin was about average last month. Monthly precipitation for the basin was 103% of average (92% of last year). Last month's percentages range from 45-183% of average for the 26 reporting stations. Water-year-to-date precipitation is 121% of average for the Snake River Basin (134% of last year). Year-to-date percentages range from 106-135% of average.

Reservoirs

Current reservoir storage is 60% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 112% of average (14,300 ac-ft compared to 13,300 last year). Jackson Lake storage is 67% of average (297,600 ac-ft compared to 649,400 ac-ft last year). Palisades Reservoir storage is about 56% of average (509,600 ac-ft compared to 756,700 ac-ft last year). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The 50% exceedance forecasts for May through September are above average for the basin. The Snake near Moran is 1,040,000 ac-ft (134% of average). Snake River above reservoir near Alpine is 3,030,000 ac-ft (133% of average). The Snake near Irwin is 4,260,000 ac-ft (135% of average). The Snake near Heise is 4,550,000 ac-ft (134% of average). Pacific Creek near Moran is 230,000 ac-ft (143% of average). Buffalo Fork above Lava near Moran is 410,000 ac-ft (134% of average). Greys River above Palisades Reservoir is 455,000 ac-ft (145% of average). Salt River near Etna is 455,000 ac-ft (147% of average). See the following page for detailed runoff volumes.



Snake River Basin Streamflow Forecasts - May 1, 2014

SNAKE RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						30yr Avg (KAF)
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	
Snake R nr Moran ^{1,2}	MAY-JUL	795	895	940	134%	985	1080	700
	MAY-SEP	875	990	1040	134%	1090	1200	775
Snake R ab Reservoir nr Alpine ^{1,2}	MAY-JUL	2270	2510	2620	134%	2730	2970	1960
	MAY-SEP	2600	2900	3030	133%	3160	3460	2280
Snake R nr Irwin ^{1,2}	MAY-JUL	3250	3520	3650	137%	3780	4050	2660
	MAY-SEP	3800	4120	4260	135%	4400	4720	3150
Snake R nr Heise ²	MAY-JUL	3540	3740	3880	137%	4020	4220	2840
	MAY-SEP	4160	4390	4550	134%	4710	4940	3390
Pacific Ck at Moran	MAY-JUL	172	198	215	141%	230	260	152
	MAY-SEP	186	210	230	143%	250	275	161
Buffalo Fk ab Lava Ck nr Moran	MAY-JUL	310	335	355	134%	375	400	265
	MAY-SEP	355	390	410	134%	430	465	305
Greys R ab Reservoir nr Alpine	MAY-JUL	340	365	385	145%	405	430	265
	MAY-SEP	400	435	455	144%	475	510	315
Salt R ab Reservoir nr Etna	MAY-JUL	285	335	365	149%	395	445	245
	MAY-SEP	360	415	455	147%	495	550	310

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

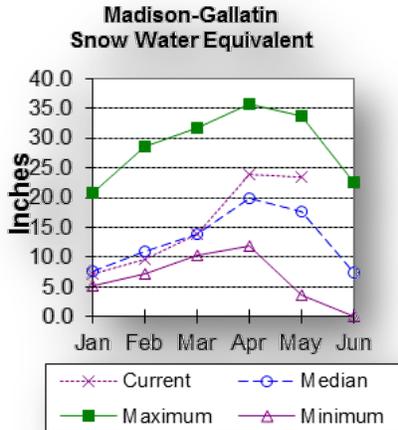
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
GRASSY LAKE	14.3	13.3	12.8	15.2
JACKSON LAKE	297.6	649.4	445.7	847.0
PALISADES RES NR IRWIN	509.6	756.7	911.7	1400.0
Basin-wide Total	821.5	1419.3	1370.2	2262.2
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median
SNAKE above Jackson Lake	6	142%	96%
PACIFIC CREEK	2	148%	108%
BUFFALO FORK	1	143%	93%
GROS VENTRE RIVER	3	144%	94%
HOBACK RIVER	5	174%	83%
GREYS RIVER	5	172%	105%
SALT RIVER	5	174%	126%
SNAKE RIVER BASIN	25	150%	99%

Madison-Gallatin Rivers Basin

Snow

Snow water equivalent (SWE) is at 133% of median in the Madison-Gallatin drainage. See the "Basin Summary of Snow Course Data" at the front of this report for details.



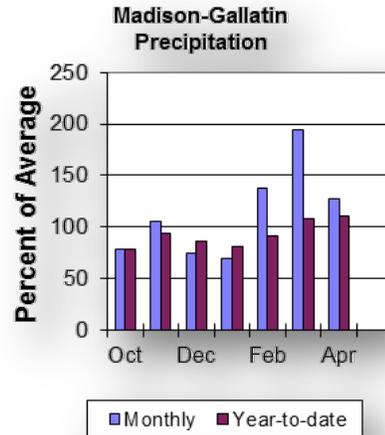
Precipitation

Last month precipitation in the Madison-Gallatin drainage was about 127% of average. The 6 reporting stations percentages range from 101-138% of average. Water-year-to-date precipitation is about 110% of average, or about 126% of last year. Year to date percentage ranges from 101-128%.

Reservoirs

Ennis Lake is storing about 33,200 ac-ft of water (81% of capacity, 102% of average or 108% of last year's

volume). Hebgen Lake is storing about 301,600 ac-ft of water (80% of capacity, 109% of average or 109% 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

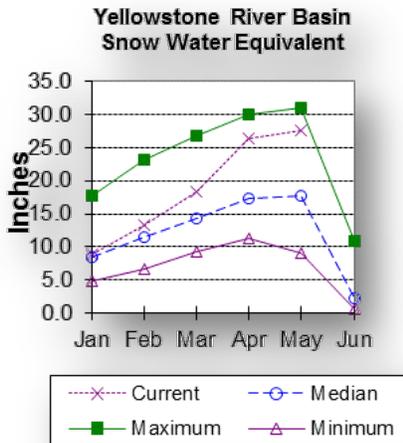
The 50% exceedance forecast for May through September is above average for the basin. Hebgen Reservoir inflow is 465,000 ac-ft (115% of average). See the following page for detailed runoff volumes.

Data Current as of: 5/6/2014 3:27:22 PM								
Madison-Gallatin River Basins								
Streamflow Forecasts - May 1, 2014								
Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
MADISON-GALLATIN RIVER BASINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Reservoir Inflow								
	MAY-JUL	310	340	360	118%	380	410	305
	MAY-SEP	405	440	465	115%	490	525	405
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)				
End of April, 2014								
ENNIS LAKE - LOWER MADISON RES	33.2	30.7	32.4	41.0				
HEBGEN LAKE	301.6	276.4	276.7	377.5				
Basin-wide Total	334.8	307.1	309.1	418.5				
# of reservoirs	2	2	2	2				
Watershed Snowpack Analysis	# of Sites	% Median	Last Year % Median					
May 1, 2014								
MADISON-GALLATIN RIVER BASINS	8	133%	99%					

Yellowstone River Basin

Snow

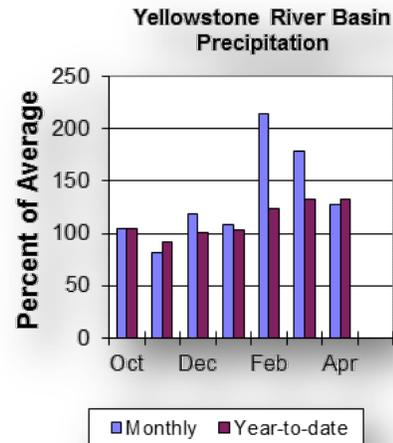
SWE in the Yellowstone River drainage is at 157% of median. The Clarks Fork of the Yellowstone River drainage in Wyoming SWE is 168% of median. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month precipitation in the Yellowstone drainage was about 130% of average. The 16 reporting stations percentages range from 78-315% of average.

Water-year-to-date precipitation is about 134% of average, which is about 144% of last year. Year to date



percentage ranges from 106-206%.

Reservoirs

No reservoir data

Streamflow

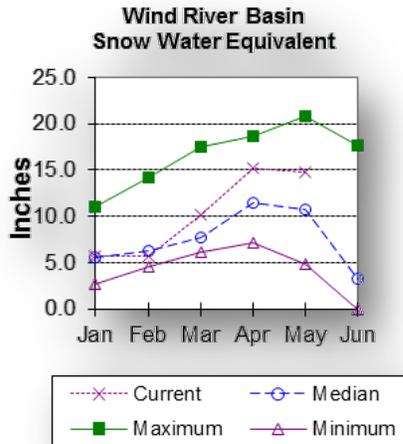
The 50% exceedance forecasts for May through September are above average for the basin. Yellowstone at Lake Outlet is 930,000 ac-ft (127% of average). Yellowstone at Corwin Springs will yield around 2,440,000 ac-ft (138% of average). Yellowstone near Livingston will yield around 2,770,000 ac-ft (138% of average). Clarks Fork of the Yellowstone near Belfry 805,000 ac-ft (153% of average). See the following page for detailed runoff volumes.

Yellowstone River Basin Streamflow Forecasts - May 1, 2014								
Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
YELLOWSTONE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yellowstone R at Yellowstone Lake Outlet	MAY-JUL	590	650	690	127%	730	790	545
	MAY-SEP	810	880	930	127%	980	1050	735
Yellowstone R at Corwin Springs	MAY-JUL	1800	1960	2060	139%	2160	2320	1480
	MAY-SEP	2130	2320	2440	138%	2570	2760	1770
Yellowstone R at Livingston	MAY-JUL	2030	2210	2340	140%	2470	2660	1670
	MAY-SEP	2400	2620	2770	138%	2930	3150	2010
Clarks Fk Yellowstone R nr Belfry ²	MAY-JUL	655	695	725	151%	755	795	480
	MAY-SEP	720	770	805	153%	840	890	525
1) 90% and 10% exceedance probabilities are actually 95% and 5% 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions 3) Median value used in place of average								
Watershed Snowpack Analysis May 1, 2014		# of Sites	% Median	Last Year % Median				
YELLOWSTONE RIVER in WY		9	157%	109%				
CLARKS FORK in WY		8	168%	104%				

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 141% of median for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 180% of median. The Little Wind SWE is 88% of median, and the Popo Agie drainage SWE is about 98% of median. 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 15-105% of average.

Precipitation, for the basin, was about 58% of average from the 14 reporting stations. Water year-to-date precipitation is 107% of average and about 132% of last year at this time. Year-to-date percentages range from 73-176% of average.

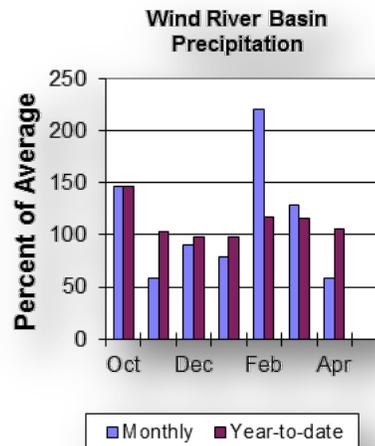
Reservoirs

Current storage in Bull Lake is about 101,100 ac-ft (135% of average) - the reservoir is at 128% of last year. Boysen Reservoir is storing about 109% of average (519,900 ac-ft) - the reservoir is about 107% of last year. Pilot Butte

is at 102% of average (26,600 ac-ft) - the reservoir is at 110% 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 vary considerably but are above average overall. Dinwoody Creek near Burris is 101,000 ac-ft (111% of average). The Wind River above Bull Lake Creek is 600,000 ac-ft (129% of average). Bull Lake Creek near Lenore is 181,000 ac-ft (109% of average). Wind River at Riverton will yield around 680,000 ac-ft (130% of average). Little Popo Agie River near Lander is around 33,000 ac-ft (72% of average). South Fork of Little Wind near Fort Washakie will yield around 67,000 ac-ft (86% of average). Little Wind River near Riverton will yield around 185,000 ac-ft (67% of average). Boysen Reservoir inflow will yield around 700,000 ac-ft (114% of average). See the following page for detailed runoff volumes.



Wind River Basin Streamflow Forecasts - May 1, 2014

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

WIND RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Dinwoody Ck nr Burris								
	MAY-JUL	63	69	73	112%	77	83	65
	MAY-SEP	88	96	101	111%	106	114	91
Wind R Ab Bull Lake Ck								
	MAY-JUL	460	515	555	129%	595	650	430
	MAY-SEP	490	555	600	129%	645	710	465
Bull Lake Ck nr Lenore								
	MAY-JUL	118	135	147	109%	159	176	135
	MAY-SEP	143	165	181	109%	196	220	166
Wind R at Riverton								
	MAY-JUL	475	540	585	131%	625	690	445
	MAY-SEP	550	630	680	130%	735	815	525
Little Popo Agie R nr Lander								
	MAY-JUL	18.8	24	28	72%	32	37	39
	MAY-SEP	23	29	33	72%	37	43	46
SF Little Wind R nr Fort Washakie								
	MAY-JUL	42	52	59	86%	66	76	69
	MAY-SEP	47	59	67	86%	75	87	78
Little Wind R nr Riverton								
	MAY-JUL	46	116	163	67%	210	280	245
	MAY-SEP	60	134	185	67%	235	310	275
Boysen Reservoir Inflow								
	MAY-JUL	385	530	630	113%	730	875	560
	MAY-SEP	415	585	700	114%	815	985	615

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

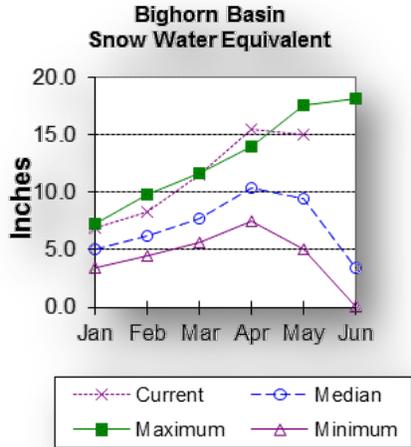
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
BULL LAKE	101.1	78.7	75.1	151.8
BOYSEN	519.9	487.7	476.4	596.0
PILOT BUTTE	26.6	24.1	26.1	31.6
Basin-wide Total	647.6	590.5	577.6	779.4
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median
WIND above Dubois	6	180%	106%
LITTLE WIND	2	88%	75%
POPO AGIE	5	98%	87%
WIND RIVER BASIN	15	141%	94%

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 159% of median. The Nowood River is at 170% of median. The Greybull River SWE is at 153% of median. Shell Creek SWE is 151% of median. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Last month's precipitation was 80% of average. Sites ranged from 35-114% of average for the month. Year-to-date precipitation is 121% of average; that is 131% of last year at this time. Year-to-date percentages, from the 16 reporting stations, range from 101-145%.

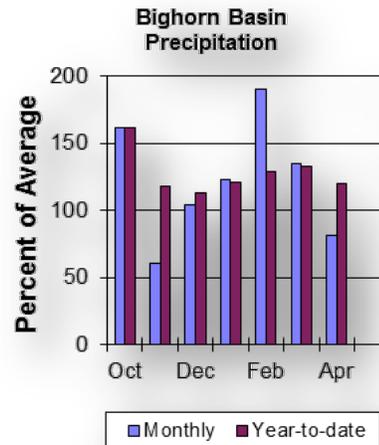
Reservoirs

Boysen Reservoir is currently storing 519,900 ac-ft (109% of average). Bighorn Lake is now at 711,500 ac-ft (92% of

average). Boysen is currently storing 107% of last year volume at this time and Big Horn Lake is storing 83% 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 well above average. Boysen Reservoir inflow should yield 700,000 ac-ft (114% of average); the Greybull River near Meeteetse should yield around 177,000 ac-ft (104% of average); Shell Creek near Shell should yield around 78,000 ac-ft (124% of average) and the Bighorn River at Kane should yield around 1,010,000 ac-ft (122% of average). See the following page for detailed runoff volumes.



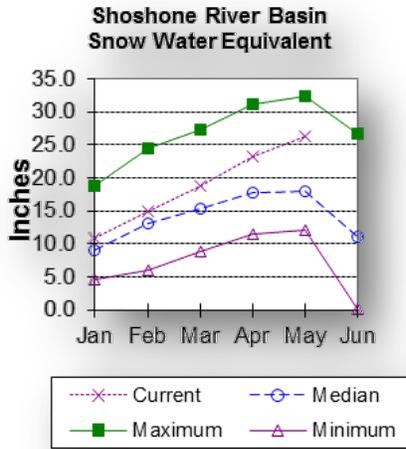
Bighorn River Basin Streamflow Forecasts - May 1, 2014

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
BIGHORN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Boysen Reservoir Inflow								
	MAY-JUL	385	530	630	113%	730	875	560
	MAY-SEP	415	585	700	114%	815	985	615
Greybull R nr Meeteetse								
	MAY-JUL	106	119	128	103%	137	150	124
	MAY-SEP	130	158	177	104%	196	225	170
Shell Ck nr Shell								
	MAY-JUL	52	60	65	125%	71	79	52
	MAY-SEP	63	72	78	124%	84	92	63
Bighorn R at Kane								
	MAY-JUL	595	785	910	118%	1040	1230	770
	MAY-SEP	655	865	1010	122%	1150	1360	830
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)				
BOYSEN	519.9	487.7	476.4	596.0				
BIGHORN LAKE	711.5	857.9	773.6	1356.0				
Basin-wide Total	1231.5	1345.6	1250.0	1952.0				
# of reservoirs	2	2	2	2				
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median					
NOWOOD RIVER	7	170%	141%					
GREYBULL RIVER	2	153%	105%					
SHELL CREEK	4	151%	105%					
BIGHORN RIVER BASIN	14	159%	123%					

Shoshone River Basin

Snow

Snowpack in this basin is above median for this time of year. Snow Water Equivalent (SWE) is 147% of median in the Shoshone River Basin. See the "Basin Summary of Snow Course Data" at the front of this report for details.



Precipitation

Precipitation for last month was 152% of average (128% of last year). Monthly percentages range from 58-253% of average. The basin year-to-date precipitation is now 152% of average (155% of last year). Year-to-date percentages range from 132-292% of average for the 11 reporting stations.

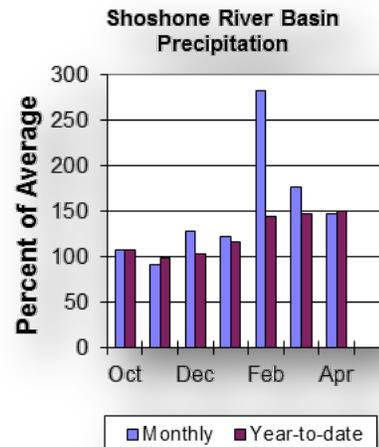
Reservoirs

Current storage in Buffalo Bill Reservoir is about 116% of average (93% of last year's storage) - the reservoir is at about 61% of capacity. Currently, about 391,700 ac-ft are

stored in the reservoir compared to 420,500 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 the May through September period are expected to be well above average for the basin. The North Fork Shoshone River at Wapiti is 705,000 ac-ft (145% of average). The South Fork of the Shoshone River near Valley is 345,000 ac-ft (147% of average), and the South Fork above Buffalo Bill Reservoir runoff is 335,000 ac-ft (174% of average). The Buffalo Bill Reservoir inflow is expected to yield around 1,070,000 ac-ft (153% of average). See the following page for detailed runoff volumes.

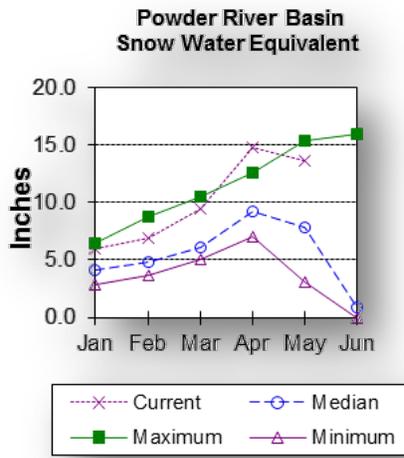


Data Current as of: 5/6/2014 3:27:30 PM								
Shoshone River Basin								
Streamflow Forecasts - May								
		Forecast						
		Exceedanc						
SHOSHONE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
NF Shoshone R at Wapiti								
	MAY-JUL	555	600	635	148%	665	715	430
	MAY-SEP	615	670	705	145%	740	795	485
SF Shoshone R nr Valley								
	MAY-JUL	265	280	295	148%	310	325	200
	MAY-SEP	310	330	345	147%	360	380	235
SF Shoshone R ab Buffalo Bill Reservoir								
	MAY-JUL	270	300	320	174%	340	370	184
	MAY-SEP	280	315	335	174%	355	390	192
Buffalo Bill Reservoir Inflow ²								
	MAY-JUL	835	910	960	152%	1010	1080	630
	MAY-SEP	925	1010	1070	153%	1120	1200	700
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage	Current	Last Year	Average	Capacity				
End of April, 2014	(KAF)	(KAF)	(KAF)	(KAF)				
BUFFALO BILL	391.7	420.5	336.3	646.6				
Basin-wide Total	391.7	420.5	336.3	646.6				
# of reservoirs	1	1	1	1				
Watershed Snowpack Analysis	# of Sites	% Median	Last Year	% Median				
May 1, 2014								
SHOSHONE RIVER BASIN	4	147%	93%					

Powder River Basin

Snow

Snow water equivalent (SWE) in the Powder River drainage is 174% of median. Upper Powder River drainage SWE is 174% of median. SWE in the Clear Creek drainage is 174% of median. Crazy Woman Creek drainage is 160% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

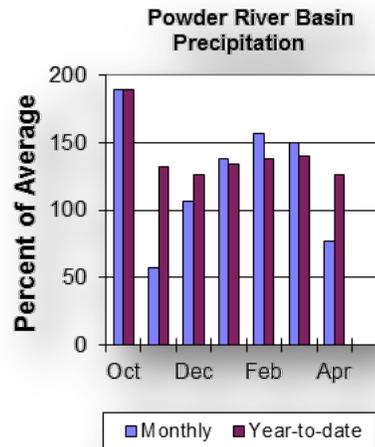
Last month's precipitation was 74% of average for the 10 reporting stations. Monthly percentages range from 28-113% of average. Year-to-date precipitation is 124% of average in the basin; this is 131% of last year at this time. Precipitation for the year ranges from 88-137% of average.

Reservoirs

No reservoir data for the basin.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be well above average for the basin. The Middle Fork of the Powder River near Barnum is 22,000 ac-ft (151% of average). The North Fork of the Powder River near Hazelton should yield around 14,100 ac-ft (157% of average). Rock Creek near Buffalo will yield about 31,000 ac-ft (148% of average), and Piney Creek at Kearny should yield about 66,000 ac-ft (153% of average). The Powder River at Moorhead is 295,000 ac-ft (174% of average). The Powder River near Locate is 330,000 ac-ft (178% of average). See the following page for detailed runoff volumes.



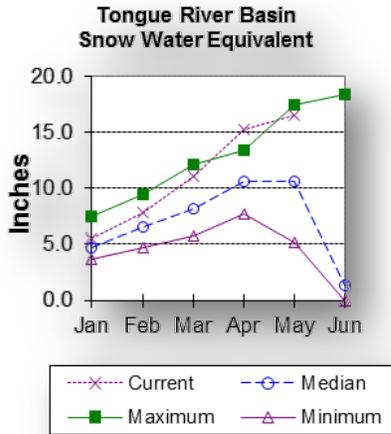
**Powder River Basin
Streamflow Forecasts - May 1, 2014**

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
POWDER RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
MF Powder R nr Barnum								
	MAY-JUL	16	19	21	153%	23	26	13.7
	MAY-SEP	16.8	19.9	22	151%	24	27	14.6
NF Powder R nr Hazelton								
	MAY-JUL	10.4	12	13.1	158%	14.2	15.8	8.3
	MAY-SEP	11.2	13	14.1	157%	15.3	17	9
Rock Ck nr Buffalo								
	MAY-JUL	20	24	26	147%	29	32	17.7
	MAY-SEP	24	28	31	148%	33	37	21
Piney Ck at Kearny								
	MAY-JUL	46	55	62	155%	68	77	40
	MAY-SEP	49	59	66	153%	72	82	43
Powder R at Moorehead								
	MAY-JUL	178	230	265	175%	300	350	151
	MAY-SEP	205	255	295	174%	330	385	170
Powder R nr Locate								
	MAY-JUL	186	250	295	180%	340	405	164
	MAY-SEP	210	280	330	178%	380	450	185
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Watershed Snowpack Analysis May 1, 2014								
	# of Sites	% Median	Last Year % Median					
UPPER POWDER RIVER	5	174%	138%					
CLEAR CREEK	2	174%	120%					
CRAZY WOMAN CREEK	2	160%	146%					
POWDER RIVER BASIN	7	174%	132%					

Tongue River Basin

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 155% of median. The Goose Creek drainage is 147% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 93% of average for the 9 reporting stations. Monthly percentages range from 18-113% of average. Year-to-date precipitation is 126% of average in the basin; this is 152% of last year at this time. Precipitation for the year ranges from 112-149% of average.

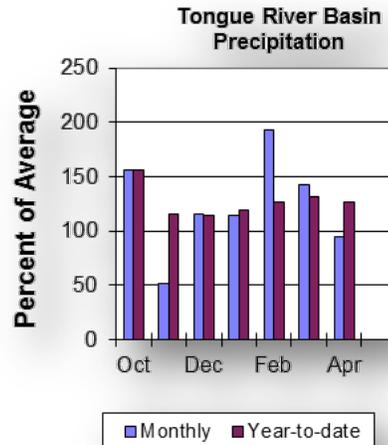
Reservoirs

The Tongue River Reservoir currently is storing 45,500 ac-ft, while last year's storage

was 58,300 ac-ft. The Tongue River Reservoir is at 131% of average or 58% of capacity for this time of year.

Streamflow

The 50% exceedance forecasts for the May through September period are expected to be above average for the basin. The yield for Tongue River near Dayton is 126,000 ac-ft (137% of average). Big Goose Creek near Sheridan is 71,000 ac-ft (137% of average). Little Goose Creek near Bighorn is 50,000 ac-ft (135% of average). The Tongue River Reservoir Inflow is 300,000 ac-ft (152% of average). See the following page for detailed runoff volumes.



**Tongue River Basin
Streamflow Forecasts - May 1, 2014**

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

TONGUE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Tongue R nr Dayton								
	MAY-JUL	85	100	111	139%	122	138	80
	MAY-SEP	97	114	126	137%	138	155	92
Big Goose Ck nr Sheridan								
	MAY-JUL	49	57	63	143%	68	76	44
	MAY-SEP	57	65	71	137%	77	85	52
Little Goose Ck nr Bighorn								
	MAY-JUL	33	38	41	141%	45	50	29
	MAY-SEP	41	47	50	135%	54	60	37
Tongue River Reservoir Inflow								
	MAY-JUL	180	235	270	154%	305	360	175
	MAY-SEP	200	260	300	152%	335	395	198

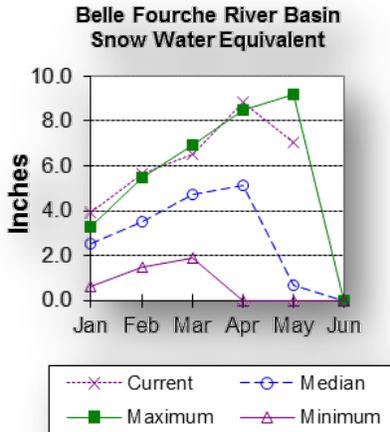
- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
TONGUE RIVER RES	45.5	58.3	34.7	79.1
Basin-wide Total	45.5	58.3	34.7	79.1
# of reservoirs	1	1	1	1
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median	
GOOSE CREEK	3	147%	99%	
TONGUE RIVER BASIN	9	155%	102%	

Belle Fourche River Basin

Snow

The Belle Fourche River Basin SWE is 1086% of median at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

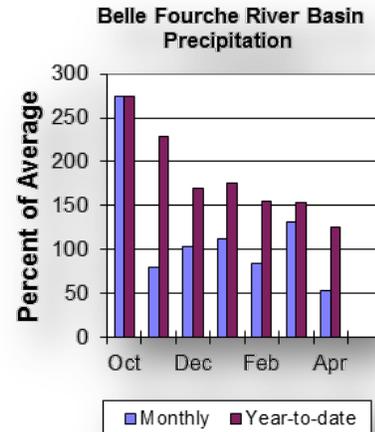
Precipitation for last month was 61% of average or 59% of last year in the Black Hills. There were 4 reporting stations. Year-to-date precipitation is 121% of average and 160% of last year's amount.

Reservoirs

Belle Fourche Reservoir is storing 107% of average (155,800 ac-ft), about 87% of capacity. Keyhole Reservoir is storing 180% of average (174,800 ac-ft), about 90% of capacity.

Shadehill Reservoir is storing 122% of

average (79,700 ac-ft), about 98% of capacity. Detailed reservoir data is shown following and on the reservoir storage summary at the beginning of this report.



Streamflow

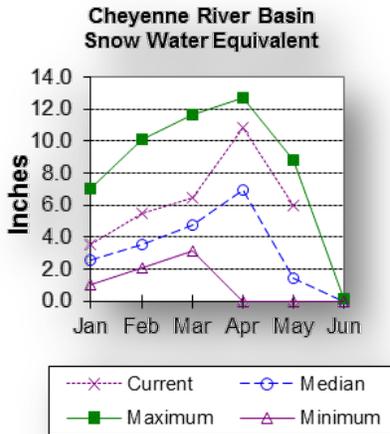
There are no streamflow forecast points for the basin.

Data Current as of: 5/6/2014 3:27:35 PM				
Belle Fourche River Basin - May 1, 2014				
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
BELLE FOURCHE	155.8	129.9	144.5	178.4
KEYHOLE	174.8	151.4	98.1	193.8
SHADEHILL	79.7	37.4	61.2	81.4
Basin-wide Total	410.3	318.7	303.8	453.6
# of reservoirs	3	3	3	3
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median	
BELLE FOURCHE RIVER BASIN	3	1086%	1557%	

Cheyenne River Basin

Snow

The Cheyenne River Basin SWE is 425% of median at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



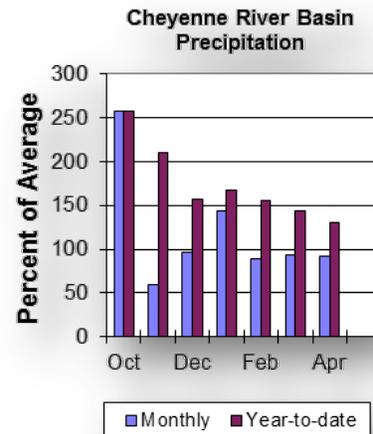
Precipitation

Precipitation for last month was 93% of average or 86% of last year in the Black Hills. There were 4 reporting stations. Year-to-date precipitation is 130% of average and 136% of last year's amount.

Reservoirs

Angostura is currently storing 95% of average (108,500 ac-ft), about 89% of capacity. Deerfield reservoir is storing 113% of average (15,400

ac-ft), about 101% of capacity. Pactola Reservoir is storing 113% of average (53,900 ac-ft), about 98% 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 7,600 ac-ft (195% of average). Pactola Reservoir Inflow is expected to yield around 33,000 ac-ft (189% of average). See the following for detailed runoff volumes.

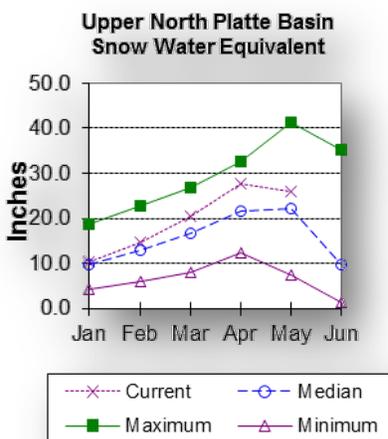
Cheyenne River Basin Streamflow Forecasts - May 1, 2014								
Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
CHEYENNE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Deerfield Reservoir Inflow	MAY-JUL	4.1	6.2	7.6	195%	9	11.1	3.9
Pactola Reservoir Inflow	MAY-JUL	14.2	25	33	189%	41	52	17.5
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage End of April, 2014		Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)			
ANGOSTURA		108.5	78.6	97.6	122.1			
DEERFIELD		15.4	15.4	14.2	15.2			
PACTOLA		53.9	51.9	47.7	55.0			
Basin-wide Total		177.8	145.9	159.5	192.3			
# of reservoirs		3	3	3	3			
Watershed Snowpack Analysis May 1, 2014		# of Sites	% Median	Last Year % Median				
CHEYENNE RIVER BASIN		2	425%	513%				

Upper North Platte River Basin

Snow

The sites above Seminoe Reservoir are showing about 123% of median (SWE) for this time of the year. SWE in the drainage area above Northgate is 131% of median at this time. SWE in the Encampment River drainage is about 113% of median. Brush Creek SWE for the year is about 120% of median. Medicine Bow and Rock Creek drainages SWE are about 115% of median.

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



Precipitation

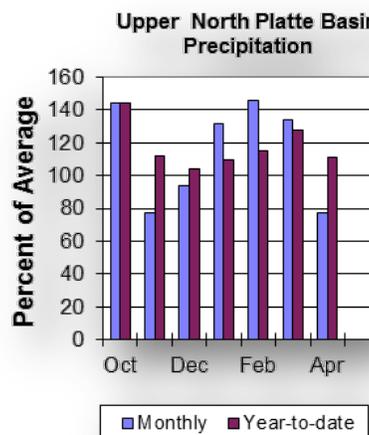
Twelve reporting stations show last month's precipitation at 74% of average or 56% of last year. Precipitation varied from 46-106% of average last month. Total water-year-to-date precipitation is about 113% of average for the basin, which is about 128% of last year's amount. Year to date percentage ranges from 87-125% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 370,600 ac-ft or 36% of capacity. Seminoe Reservoir is also storing about 75% of average for this time of the year and 75% 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 above average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 290,000 ac-ft (138% of average). The Encampment River near Encampment is 139,000 ac-ft (109% of average). Rock Creek near Arlington is 62,000 ac-ft (124% of average). Seminoe Reservoir inflow should be around 810,000 ac-ft (121% of average). See the following table for more detailed information on projected runoff.



Upper North Platte River Basin Streamflow Forecasts - May 1, 2014

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

UPPER NORTH PLATTE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
North Platte R nr Northgate								
	MAY-JUL	179	225	260	139%	295	340	187
	MAY-SEP	195	250	290	138%	325	385	210
Encampment R nr Encampment ²								
	MAY-JUL	97	117	130	110%	143	163	118
	MAY-SEP	104	125	139	109%	153	174	127
Rock Ck nr Arlington								
	MAY-JUL	48	54	59	123%	64	70	48
	MAY-SEP	50	57	62	124%	67	74	50
Sweetwater R nr Alcova								
	MAY-JUL	2.9	16.7	26	57%	35	49	46
	MAY-SEP	3.7	18.8	29	58%	39	54	50
Seminole Reservoir Inflow								
	MAY-JUL	450	625	745	121%	865	1040	615
	MAY-SEP	485	675	810	121%	940	1130	670

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

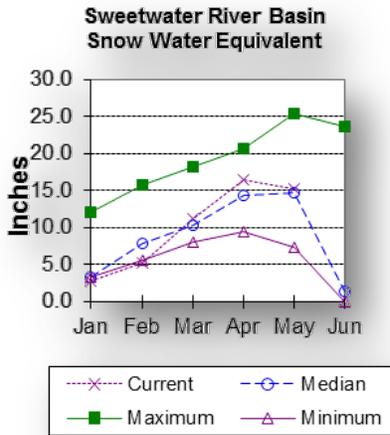
3) Median value used in place of average

Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
SEMINOLE	370.6	491.6	492.5	1016.7
Basin-wide Total	370.6	491.6	492.5	1016.7
# of reservoirs	1	1	1	1
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median	
N PLATTE above Northgate	11	131%	98%	
ENCAMPMENT RIVER	4	113%	95%	
BRUSH CREEK	5	120%	89%	
MEDICINE BOW & ROCK CREEKS	2	115%	85%	
UPPER NORTH PLATTE RIVER BASIN	23	123%	95%	

Sweetwater River Basin

Snow

SWE for the Sweetwater River Basin is at 102% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

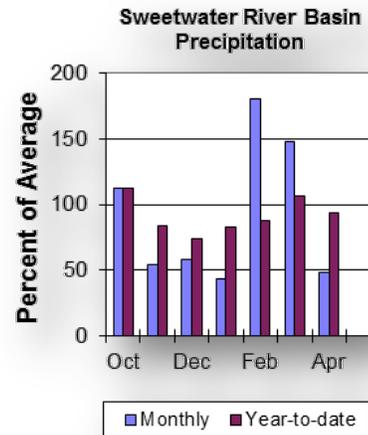
Last month's precipitation was 49% of average for the three reporting stations (42-55%). The water year-to-date precipitation for the basin is currently 94% of average. Year-to-date percentages range from 83-141% of average.

Reservoirs

Reservoir storage is as follows: Pathfinder 404,000 ac-ft (65% of average).

Streamflow

The following yield is based on the 50% exceedance forecast for the May through September period, and is expected to be below average. The Sweetwater River near Pathfinder is forecast to yield about 29,000 ac-ft (58% of average). See the following table for more detailed information on projected runoff.



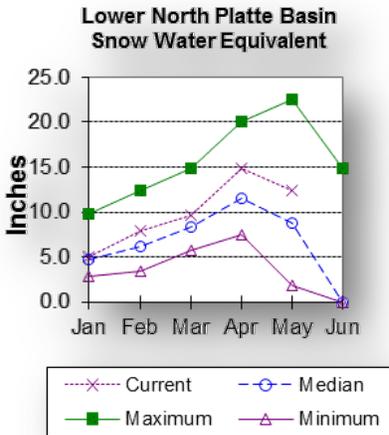
**Sweetwater River Basin
Streamflow Forecasts - May 1, 2014**

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
SWEETWATER RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sweetwater R nr Alcova								
	MAY-JUL	2.9	16.7	26	57%	35	49	46
	MAY-SEP	3.7	18.8	29	58%	39	54	50
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)				
PATHFINDER	404.0	398.9	617.9	1016.5				
Basin-wide Total	404.0	398.9	617.9	1016.5				
# of reservoirs	1	1	1	1				
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median					
SWEETWATER RIVER BASIN	4	102%	51%					

Lower North Platte River Basin

Snow

SWE for the Laramie Range Mts. is at 143% of median. Deer and LaPrele Creek SWE are at 141% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 90% of average. Of the 6 reporting stations, percentages for the month range from 47-105%. The water year-to-date precipitation for the basin is currently 118% of average (157% of last year). Year-to-date percentages range from 96-162% of average.

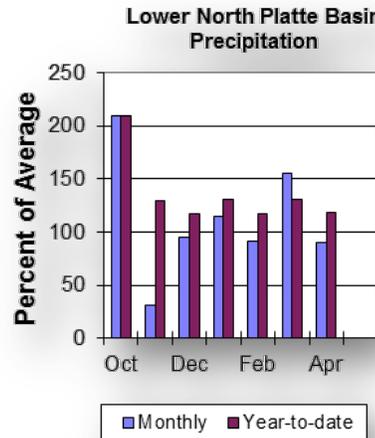
Reservoirs

Reservoir storage is as follows: Alcova 179,900 ac-ft (101% of average)(98% of capacity); Glendo 482,500 ac-ft (111% of average)(95% of capacity); Guernsey 37,000 ac-ft (124% of average)(81% of capacity);

Pathfinder 404,000 ac-ft (65% of average)(40% of capacity).

Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period, and are expected to be above average. North Platte - Alcova to Orin Gain is forecast to yield ---- ac-ft. La Prele Creek above La Prele Reservoir 17,800 ac-ft (120% of average). North Platte River below Glendo Reservoir is 850,000 ac-ft (121% of average), and below Guernsey Reservoir is anticipated to yield around 870,000 ac-ft (124% of average). See the following table for more detailed information on projected runoff.



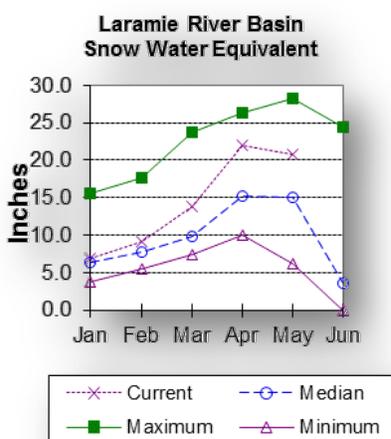
**Lower North Platte River Basin
Streamflow Forecasts - May 1, 2014**

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
LOWER NORTH PLATTE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
La Prele Ck ab La Prele Reservoir								
	MAY-JUL	8.8	14.2	17.8	119%	21	27	14.9
	MAY-SEP	8.9	14.2	17.8	120%	21	27	14.8
North Platte R - Alcova to Orin Gain								
North Platte R bl Glendo Reservoir								
	MAY-JUL	580	725	825	123%	925	1070	670
	MAY-SEP	600	750	850	121%	950	1100	700
North Platte R bl Guernsey Reservoir								
	MAY-JUL	535	710	830	124%	950	1130	670
	MAY-SEP	565	745	870	124%	995	1180	700
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage End of April, 2014		Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)			
ALCOVA		179.9	180.3	178.9	184.3			
GLENDO		482.5	385.2	434.5	506.4			
GUERNSEY		37.0	6.8	29.9	45.6			
PATHFINDER		404.0	398.9	617.9	1016.5			
Basin-wide Total		1103.4	971.2	1261.2	1752.8			
# of reservoirs		4	4	4	4			
Watershed Snowpack Analysis May 1, 2014		# of Sites	% Median	Last Year % Median				
DEER & LaPRELE CREEKS		2	141%	90%				
LOWER NORTH PLATTE RIVER BASIN		4	143%	92%				

Laramie River Basin

Snow

SWE for the Laramie River above Laramie is 146% of median. SWE for the Little Laramie River is 139% of median. The SWE total for the entire Laramie River Basin (above mouth entering North Platte) is 143% of median. SWE total for the entire North Platte River Basin above Torrington is at 123% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

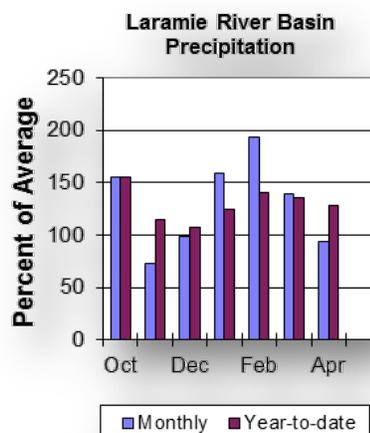
Last month's precipitation was 78% of average or 59% of last year's amount. For the 8 reporting stations, percentages for the month range from 46-96%. The water year-to-date precipitation for the basin is currently 125% of average (146% of last year). Year-to-date percentages range from 83-159% of average.

Reservoirs

Reservoir storage is as follows: Wheatland #2 74,500 ac-ft (134% of average)(75% of capacity).

Streamflow

The following yields are based on the 50% exceedance forecasts for the May through September period, and are expected to be above average. Laramie River near Woods Landing should yield around 153,000 ac-ft (129% of average). The Little Laramie near Filmore should produce about 63,000 ac-ft (121% of average). See the following table for more detailed information on projected runoff.



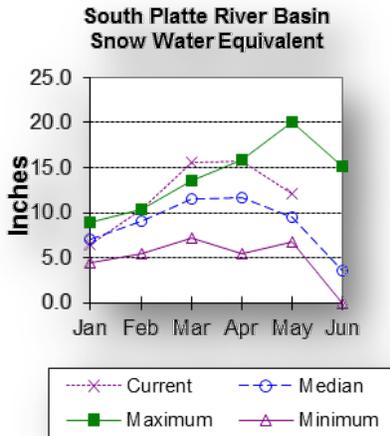
Laramie River Basin Streamflow Forecasts - May 1, 2014

		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
LARAMIE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Laramie R nr Woods								
	MAY-JUL	105	125	139	129%	153	173	108
	MAY-SEP	115	138	153	129%	168	191	119
Little Laramie R nr Filmore								
	MAY-JUL	45	53	58	121%	64	72	48
	MAY-SEP	47	57	63	121%	69	79	52
1) 90% and 10% exceedance probabilities are actually 95% and 5%								
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions								
3) Median value used in place of average								
Reservoir Storage End of April, 2014		Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)			
WHEATLAND #2		74.5	32.4	55.6	98.9			
Basin-wide Total		74.5	32.4	55.6	98.9			
# of reservoirs		1	1	1	1			
Watershed Snowpack Analysis May 1, 2014		# of Sites	% Median	Last Year % Median				
LARAMIE RIVER abv Laramie		7	146%	127%				
LITTLE LARAMIE RIVER		5	139%	95%				
LARAMIE RIVER BASIN		13	143%	109%				
NORTH PLATTE TOTAL RIVER BASIN		38	123%	92%				

South Platte River Basin (WY)

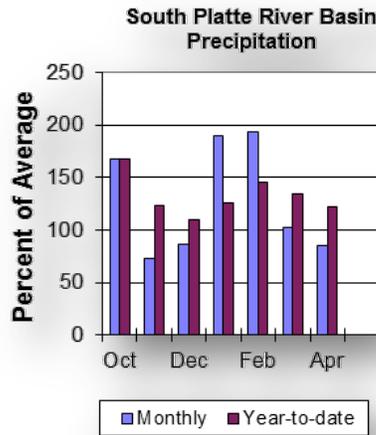
Snow

SWE for the South Platte River Basin is at 136% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 83% of average for the 4 reporting stations. The water year-to-date precipitation for the basin is currently 125% of average (130% of last year). Year-to-date percentages range from 107-131% of average.



Reservoirs

No reservoir data for the basin.

Streamflow

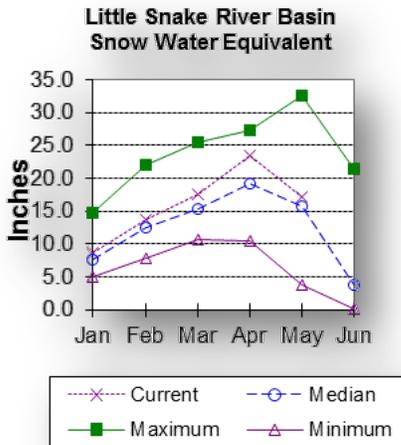
There are no streamflow forecast points for the basin.

Data Current as of: 5/6/2014 3:27:46 PM			
South Platte River Basin - May 1, 2014			
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median
SOUTH PLATTE RIVER BASIN	8	136%	108%

Little Snake River Basin

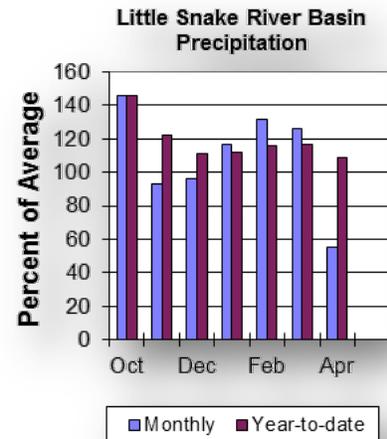
Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 108% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation across the basin was 57% of average for the 9 reporting stations. Last month's precipitation ranged from 46-90% of average. The Little Snake River Basin water-year-to-date precipitation is currently 109% of average (129% of last year). Year-to-date percentages range from 87-138% of average.



Reservoirs

High Savery Dam - 12,100

ac-ft (80% of average) (54% of capacity).

Streamflow

The following yields are based on the 50% exceedance forecasts for the May through July period, and are expected to be above average. The Little Snake River near Slater should yield around 160,000 ac-ft (116% of average). The Little Snake River near Dixon is estimated to yield around 330,000 ac-ft (112% of average). See the following table for more detailed information on projected runoff.

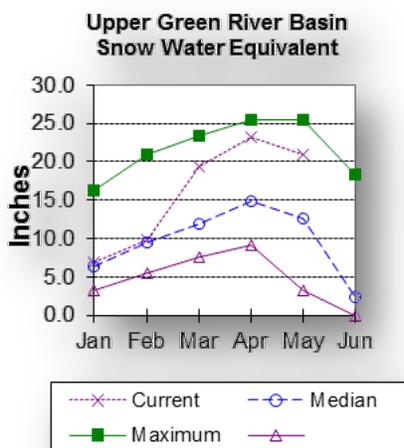
Data Current as of: 5/6/2014 3:27:47 PM

Little Snake River Basin Streamflow Forecasts - May 1, 2014								
Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
LITTLE SNAKE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Snake R nr Slater ²	APR-JUL	154	173	187	120%	200	225	156
	MAY-JUL	127	146	160	116%	173	198	138
Little Snake R nr Dixon ²	APR-JUL	280	345	390	113%	440	520	345
	MAY-JUL	220	285	330	112%	380	460	295
1) 90% and 10% exceedance probabilities are actually 95% and 5% 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions 3) Median value used in place of average								
Reservoir Storage End of April, 2014		Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)			
HIGH SAVERY RESERVOIR		12.1	9.8	15.3	22.4			
Basin-wide Total		12.1	9.8	15.3	22.4			
# of reservoirs		1	1	1	1			
Watershed Snowpack Analysis May 1, 2014		# of Sites	% Median	Last Year % Median				
LITTLE SNAKE RIVER BASIN		10	108%	94%				

Upper Green River Basin

Snow

SWE in the Upper Green River Basin above Fontenelle Reservoir is about 165% of median. SWE in the Green River Basin above Warren Bridge is about 180% of median. SWE for the West Side of Upper Green River Basin is about 163% of median. New Fork River SWE is now about 171% of median. Big Sandy-Eden Valley Basin is 109% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

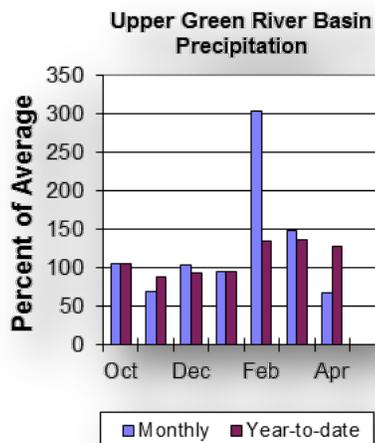
The 13 reporting precipitation sites in the basin were 67% of average last month (54% of last year). Last month's precipitation varied from 24-120% of average. Water year-to-date precipitation is about 128% of average (152% of last year). Year to date percentage of average ranges from 109-153% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 14,600 ac-ft, or 38% of capacity and 63% of average. Fontenelle Reservoir is 138,400 ac-ft (40% of capacity)(111% of average) The combined Upper and Lower Green River Basin Reservoir Storage is 98% of average. 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 based on the 50% exceedance forecasts for the May through July period, and are expected to be well above average. The yield on the Green River at Warren Bridge is 315,000 ac-ft (140% of average). Pine Creek above Fremont Lake is 112,000 ac-ft (117% of average). New Fork River near Big Piney is 445,000 ac-ft (135% of average). Fontenelle Reservoir Inflow is estimated to be 960,000 ac-ft (150% of average), and Big Sandy near Farson is expected to be around 52,000 ac-ft (108% of average). See the following table for more detailed information on projected runoff.



Upper Green River Basin Streamflow Forecasts - May 1, 2014

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
UPPER GREEN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Green R at Warren Bridge								
	APR-JUL	280	310	330	135%	350	385	245
	MAY-JUL	265	295	315	140%	335	370	225
Pine Creek ab Fremont Lake								
	APR-JUL	99	108	115	117%	122	132	98
	MAY-JUL	96	105	112	117%	119	129	96
New Fork R nr Big Piney								
	APR-JUL	375	435	475	134%	520	585	355
	MAY-JUL	345	405	445	135%	490	555	330
Fontenelle Reservoir Inflow								
	APR-JUL	800	950	1060	146%	1180	1360	725
	MAY-JUL	700	850	960	150%	1080	1260	640
Big Sandy R nr Farson								
	APR-JUL	43	50	55	106%	61	69	52
	MAY-JUL	40	47	52	108%	58	66	48

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

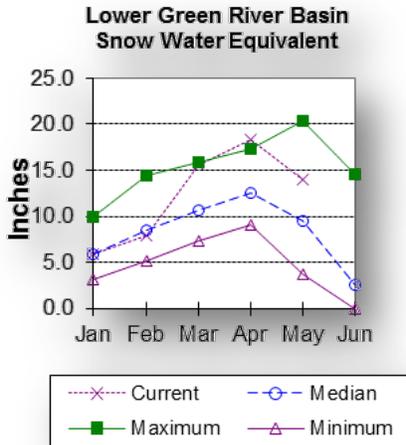
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
BIG SANDY	14.6	10.5	23.1	38.3
FONTENELLE	138.4	127.6	125.0	344.8
Basin-wide Total	153.0	138.1	148.1	383.1
# of reservoirs	2	2	2	2
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median	
GREEN above Warren Bridge	5	180%	78%	
UPPER GREEN - West Side	5	163%	94%	
NEWFORK RIVER	2	171%	78%	
BIG SANDY-EDEN VALLEY	3	109%	37%	
GREEN above Fontenelle	14	165%	90%	

Lower Green River Basin

Snow

SWE in the Lower Green River Basin is 133% of median. SWE in the Hams Fork drainage is 150% of median. Blacks Fork drainage SWE is currently 131% of median. In the Henrys Fork drainage SWE is 47%. SWE for the

entire Green River Basin (above Flaming Gorge) is 156% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

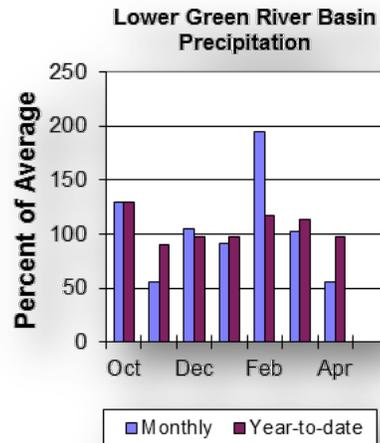
Precipitation for the 12 reporting stations during last month was at 56% of average or 44% of last year. Precipitation ranged from 29-83% of average for the month. The basin year-to-date precipitation is currently 98% of average (115% of last year). Year-to-date percentages range from 64-113% of average.

Reservoirs

Fontenelle Reservoir is currently storing 138,400 ac-ft; this is 111% of average (108% of last year), (40% of capacity). Flaming Gorge is currently storing 2,968,000 ac-ft; this is 98% of average (99% of last year), (79% of capacity). Viva Naughton is currently storing 27,700 ac-ft, 88% of average (94% of last year), (65% 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 yields are based on the 50% exceedance forecasts for the May through July period, and are expected to be above average. The Green River near Green River is forecast to yield about 980,000 ac-ft (153% of average). The Blacks Fork near Robertson is forecast to yield 79,000 ac-ft (93% of average). East Fork of Smiths Fork near Robertson is forecast to yield 25,000 ac-ft (96% of average). Hams Fork below Pole Creek near Frontier is forecast to be 63,000 ac-ft (131% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 84,000 ac-ft (135% of average). The Flaming Gorge Reservoir inflow will be about 1,170,000 ac-ft (138% of average). See the following table for more detailed information on projected runoff.



Lower Green River Basin Streamflow Forecasts - May 1, 2014

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

LOWER GREEN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Green R nr Green River, WY ²								
	APR-JUL	800	960	1080	148%	1210	1410	730
	MAY-JUL	700	860	980	153%	1110	1310	640
Blacks Fk nr Robertson								
	APR-JUL	70	78	86	97%	92	102	89
	MAY-JUL	63	72	79	93%	86	96	85
EF of Smiths Fork nr Robertson ²								
	APR-JUL	18.3	23	27	100%	31	38	27
	MAY-JUL	16.5	21	25	96%	29	36	26
Hams Fk bl Pole Ck nr Frontier								
	APR-JUL	58	65	71	131%	76	85	54
	MAY-JUL	50	57	63	131%	68	77	48
Viva Naughton Reservoir Inflow								
	APR-JUL	78	91	100	135%	110	126	74
	MAY-JUL	62	75	84	135%	94	110	62
Flaming Gorge Reservoir Inflow ²								
	APR-JUL	985	1170	1300	133%	1440	1670	980
	MAY-JUL	855	1040	1170	138%	1310	1540	845

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

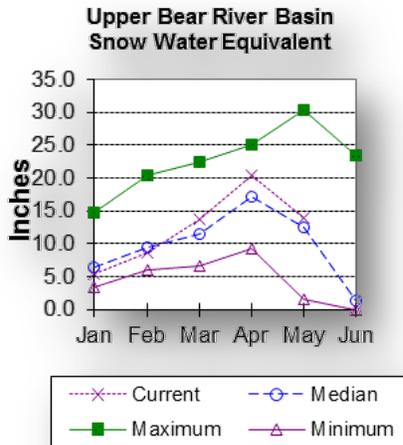
Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
FONTENELLE	138.4	127.6	125.0	344.8
FLAMING GORGE RESERVOIR	2968.0	3006.9	3039.0	3749.0
VIVA NAUGHTON RES	27.7	29.5	31.6	42.4
Basin-wide Total	3134.0	3164.0	3195.6	4136.2
# of reservoirs	3	3	3	3

Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median
HAMS FORK RIVER	4	150%	101%
BLACKS FORK	2	131%	113%
HENRYS FORK	2	0%	207%
LOWER GREEN RIVER BASIN	8	133%	113%
GREEN above FLAMING GORGE	21	156%	96%

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 90% of median. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is at 149% of median. Bear River Basin SWE, above the Idaho State line, is 115% of median. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 64% of average for the 8 reporting stations; this is 58% of the precipitation received last year. The year-to-date precipitation, for the basin, is 96% of average; this is 118% of last year's amount. Year-to-date percentages range from 54-112% of average.

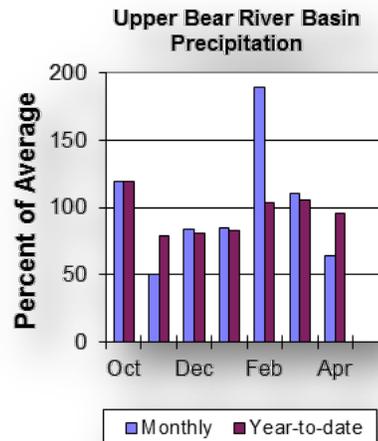
Reservoirs

Storage in Woodruff Narrows Reservoir was 38,107 ac-ft, about 67% of capacity and 84%

of average.

Streamflow

The following 50% exceedance forecasts are for the May through September period, and are expected to be near average. The Bear River near the Utah-Wyoming State Line is 113,000 ac-ft (97% of average). The Bear River above Reservoir near Woodruff is 108,000 ac-ft (97% of average). The Smiths Fork River near Border Jct. is 112,800 ac-ft (119% of average). See the following table for more detailed information on projected runoff.



**Upper Bear River Basin
Streamflow Forecasts - May 1, 2014**

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
UPPER BEAR RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bear R nr UT-WY State Line								
	APR-JUL	85	98	108	96%	117	131	112
	APR-SEP	95	110	120	98%	130	145	123
	MAY-JUL	81	93	102	98%	110	122	104
	MAY-SEP	89	103	113	97%	122	136	116
Bear R ab Resv nr Woodruff								
	APR-JUL	88	107	120	99%	132	151	121
	APR-SEP	94	112	125	98%	138	156	128
	MAY-JUL	74	91	103	98%	114	132	105
	MAY-SEP	79	97	108	97%	120	137	111
Smiths Fk nr Border								
	APR-JUL	94	102	108	121%	113	121	89
	APR-SEP	106	115	122	117%	128	138	104
	MAY-JUL	84.84	92.84	98.84	124%	103.84	111.84	80
	MAY-SEP	96.84	105.84	112.84	119%	118.84	128.84	95

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Reservoir Storage End of April, 2014	Current (KAF)	Last Year (KAF)	Average (KAF)	Capacity (KAF)
WOODRUFF NARROWS RESERVOIR	38.1	17.3	45.5	57.3
Basin-wide Total	38.1	17.3	45.5	57.3
# of reservoirs	1	1	1	1
Watershed Snowpack Analysis May 1, 2014	# of Sites	% Median	Last Year % Median	
UPPER BEAR RIVER in Utah	4	90%	97%	
SMITHS & THOMAS FORKS	3	149%	105%	
UPPER BEAR RIVER BASIN	8	115%	92%	

State of Wyoming SWE 144% of Median

NORTHWEST

Basin Total %s 152%
Number Courses 62

NORTHEAST

Basin Total %s 168%
Number Courses 18

SOUTHEAST

Basin Total %s 120%
Number Courses 30

SOUTHWEST

Basin Total %s 133%
Number Courses 35

The Following Agencies and Organizations Cooperate with the Natural Resources Conservation Service on the Snow Survey Work.

FEDERAL:

United States Department of the Interior (National Park Service)

United States Department of Agriculture (Forest Service)

United States Department of the Interior (Bureau of Reclamation)

United States Department of Commerce NOAA (National Weather Service)

State:

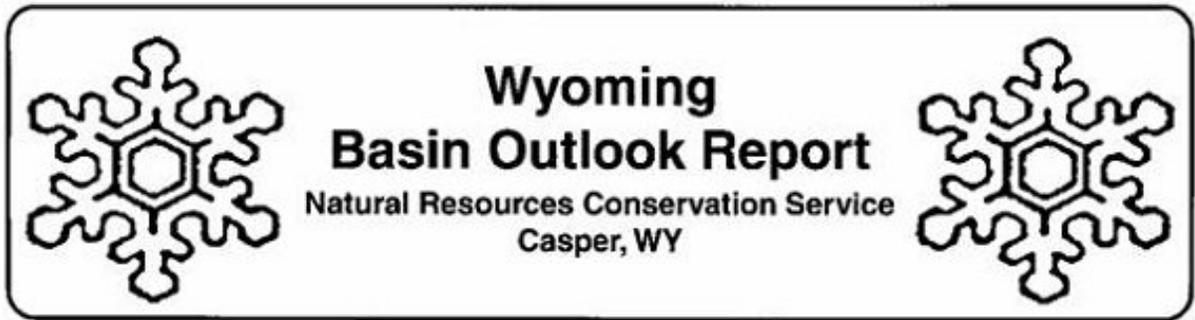
The Wyoming State Engineer's Office

The University of Wyoming

Local:

The City of Cheyenne

The City of Rawlins



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

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

«MailingListID»