United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming Basin Outlook Report
January 1, 2013

Mallo Snow Course (Wyoming Black Hills)

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% 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 below normal for January 1st at 82%. Monthly precipitation for the basins varied from 47-112% of average. Year-to-date precipitation for Wyoming basins varies from 45-134% of average. Forecasted runoff varies from 51-105% of average across the Wyoming basins for an overall average of 91%. Basin reservoir levels for Wyoming vary from 27-170% of average for an overall average of 96%.

Snowpack

Snow water equivalent (SWE), across Wyoming is below normal for this time of year at 82%. SWE in the NW portion of Wyoming is now about 108% of normal (108% of last year). NE Wyoming SWE is currently about 75% of normal (57% of last year). The SE Wyoming SWE is currently about 75% of normal (92% of last year). The SW Wyoming SWE is about 101% of normal (126% of last year).

Precipitation

Last month's precipitation was above average across Wyoming. The Madison-Gallatin Basin had the highest precipitation for the month at 134% of average. The Lower North Platte Basin had the lowest precipitation amount at 45% 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	**+20%**	**Upper North Platte River**	**+11%**
Madison-Gallatin	**+34%**	**Sweetwater River**	**-12%**
Yellowstone	**+23%**	**Lower North Platte**	**-55%**
Wind River	**+03%**	**Laramie River**	**-11%**
Bighorn	**-21%**	**South Platte**	**-14%**
Shoshone	**+29%**	**Little Snake River**	**+10%**
Powder River	**-24%**	**Upper Green River**	**+15%**
Tongue River	**-34%**	**Lower Green River**	**+31%**
Belle Fourche	**00%**	**Upper Bear River**	**+16%**
Cheyenne	**-34%**		

Streams

Stream flow yield for April to September is expected to be below average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 91% (varying from 51-105% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 100% and 105% of average, respectively; 96-115% of average for the various forecast points in the basins. Yields from the Wind and Bighorn River Basins are expected to be about 100% and 95% of average, respectively; varying from 63-105% of average in the basins. Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 99% and 102% of average, respectively; varying from 98-106% of average. Yields from the Tongue & Powder River Basins are expected to be about 65% and 86% of average, respectively; varying from 65-110% of average. Yield for the Cheyenne River Basin is expected to be about 51% of average. Yields for the Upper, Lower North Platte, and Laramie Rivers of Wyoming are expected to be about 69%,60%, and 80% of average,

respectively; varying from 59-83% of average. Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 64%, 76%, and 75% of average respectively; yield estimates vary from 64-84% of average.

Reservoirs

Reservoir storage varies widely across the state however reservoir storage is at 96% of average for the entire state. Reservoirs in the Wind River Basin are below average at 93%. Reservoirs on the Big Horn are near average at 98%. The Buffalo Bill Reservoir on the Shoshone is above average at 121%. Reservoirs in the northeast are above average in storage at 105%. Reservoirs on the North Platte River are below average at 87%. Reservoirs on the Green River are near average at 98%. See the following table for further information about reservoir storage.

Major Reservoirs in Wyoming

Jan 1, 2013

BASIN AREA RESERVOIR	CURRENT AS % CAPACITY	LAST YR AS % CAPACITY	AVERAGE AS % CAPACITY	CURRENT AS % AVERAGE	CURRENT AS % LAST YR
WYOMING AND SURROUNDING STATES					
ALCOVA	85	85	84	102	100
ANGOSTURA	56	76	79	70	74
BELLE FOURCHE	49	71	51	97	69
BIG SANDY	18	56	43	42	32
BIGHORN LAKE	66	70	64	103	94
BOYSEN	87	107	96	91	81
BUFFALO BILL	67	70	55	121	95
BULL LAKE	51	62	50	102	83
DEERFIELD	99	99	81	123	101
ENNIS LAKE	74	73	73	101	101
FLAMING GORGE	80	91	82	97	88
FONTENELLE	57	60	51	112	95
GLENDO	43	65	50	86	67
Grassy Lake	82	78	76	108	106
GUERNSEY	9	24	20	46	39
HEBGEN LAKE	85	86	75	113	98
Jackson Lake	72	75	50	144	97
KEYHOLE	77	85	45	170	90
PACTOLA	87	95	83	104	91
Palisades	35	88	63	56	40
PATHFINDER	41	74	53	77	55
PILOT BUTTE	87	80	73	119	108
SEMINOE	51	86	54	93	58
SHADEHILL	42	46	62	68	91
TONGUE RIVER	56	67	33	169	84
VIVA NAUGHTON RES	60	69	74	81	88
WHEATLAND #2		AVERAGE NOT ESTABLISHED			
WOODRUFF NARROWS	13	75	48	27	17
TOTAL 27 RESERVOIRS	64	82	67	96	78

Raw KAF Totals Current=8410 Last Year=10770 Average=8789 Capacity=13189

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
JANUARY 2013

SNOW SITE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	NORMAL 81-10
WYOMING Snow Course and SNOTEL Stations						
ASTER CREEK	7750	1/04/13	49	15.0	12.6	11.4
BALD MOUNTAIN SNOTEL	9380	1/01/13	25	5.4	9.7	8.5
BASE CAMP	7030	1/05/13	36	9.5	9.3	8.1
BASE CAMP SNOTEL	7030	1/01/13	---	10.0	8.6	7.2
BATTLE MTN. SNOTEL	7440	1/01/13	14	3.1	4.3	4.1
BEARTOOTH LK. SNOTEL	9280	1/01/13	37	8.7	11.1	10.0
BEAR TRAP SNOTEL	8200	1/01/13	19	4.1	3.2	2.6
BIG GOOSE SNOTEL	7760	1/01/13	13	2.3	6.0	3.7
BIG SANDY SNOTEL	9080	1/01/13	32	6.2	4.0	6.0
BLACKWATER SNOTEL	9780	1/01/13	45	12.6	13.1	10.5
BLIND BULL SNOTEL	8900	1/01/13	44	10.1	7.8	9.1
BONE SPGS. SNOTEL	9350	1/01/13	24	6.0	10.3	7.3
BROOKLYN LK. SNOTEL	10220	1/01/13	---	6.3	6.2	7.9
BURGESS JCT. SNOTEL	7880	1/01/13	14	2.6	6.8	4.7
BURROUGHS CRK SNOTEL	8750	1/01/13	22	6.4	5.7	6.3
CANYON SNOTEL	8090	1/01/13	25	5.7	5.5	5.5
CASPER MTN. SNOTEL	7850	1/01/13	9	1.5	9.0	5.9
CASTLE CREEK SNOTEL	8400	1/01/13	18	3.6	3.1	--
CHALK CK #1 SNOTEL	9100	1/01/13	42	9.4	5.5	9.7
CHALK CK #2 SNOTEL	8200	1/01/13	28	5.5	3.9	6.4
CINNABAR PARK SNOTEL	9690	1/01/13	27	6.5	6.7	9.1
CLOUD PEAK SNOTEL	9850	1/01/13	25	4.9	8.2	6.3
COLE CANYON SNOTEL	5910	1/01/13	7	1.0	2.6	2.2
COLD SPRINGS SNOTEL	9630	1/01/13	21	4.1	4.2	3.2
COTTONWOOD CR SNOTEL	7700	1/01/13	---	8.5	6.0	8.5
CROW CREEK SNOTEL	8830	1/01/13	8	1.5	3.9	4.5
DARBY CANYON	8250	1/02/13	38	9.7	8.7	9.6
DEER PARK SNOTEL	9700	1/01/13	26	7.3	5.1	6.6
DIVIDE PEAK SNOTEL	8860	1/01/13	---	6.3	7.0	8.5
DOME LAKE SNOTEL	8880	1/01/13	20	3.7	6.7	5.4
EAST RIM DIV SNOTEL	7930	1/01/13	23	4.5	4.2	4.3
ELBO RANCH	7100	12/31/12	22	4.5	3.8	3.9
ELKHART PARK SNOTEL	9400	1/01/13	---	5.5	4.4	5.7
EVENING STAR SNOTEL	9200	1/01/13	46	13.1	12.9	11.5
GLADE CREEK	7040	1/03/13	39	10.8	8.3	8.5
GRAND TARGHEE SNOTEL	9260	1/01/13	71	20.0	15.2	17.5
GRANITE CRK SNOTEL	6770	1/01/13	38	7.6	5.4	6.5
GRASSY LAKE	7270	1/03/13	43	12.2	12.2	12.1
GRASSY LAKE SNOTEL	7270	1/01/13	49	12.3	10.8	12.8
GRAVE SPRINGS SNOTEL	8550	1/01/13	12	2.0	3.7	3.4
GROS VENTRE SNOTEL	8750	1/01/13	29	6.2	4.2	6.2
HANSEN S.M. SNOTEL	8360	1/01/13	15	2.8	3.4	3.0
HAMS FORK SNOTEL	7840	1/01/13	22	4.7	3.4	4.6
HOBBS PARK SNOTEL	10100	1/01/13	27	6.0	8.1	6.6
HUCKLEBERRY DIVIDE	7300	1/04/13	36	10.3	7.9	8.0
INDIAN CREEK SNOTEL	9430	1/01/13	---	10.3	7.2	10.0
JACKPINE CREEK	7350	1/02/13	33	7.9	8.7	7.6
KELLEY R.S. SNOTEL	8180	1/01/13	33	6.4	4.7	6.2
KENDALL R.S. SNOTEL	7740	1/01/13	25	5.9	5.5	4.8
KIRWIN SNOTEL	9550	1/01/13	25	5.0	7.2	4.3
LA PRELE SNOTEL	8380	1/01/13	7	1.1	4.3	4.0
LARSEN CREEK SNOTEL	9020	1/01/13	20	4.6	2.5	--

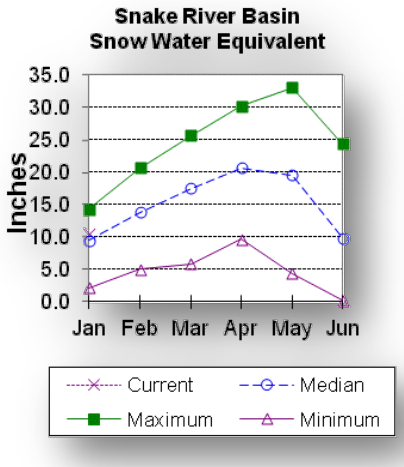
SNOW SITE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	NORMAL 81-10
LEWIS LAKE DIVIDE	7850	1/03/13	64	21.1	15.4	15.6
LEWIS LAKE SNOTEL	7850	1/01/13	60	16.4	11.1	13.3
LITTLE BEAR RUN	6240	12/27/12	6	.8	1.4	1.7
LITTLE GOOSE SNOTEL	8870	1/01/13	15	3.1	6.6	--
LITTLE WARM SNOTEL	9370	1/01/13	26	5.6	3.8	4.5
LOOMIS PARK SNOTEL	8240	1/01/13	---	6.2	5.0	6.6
LUPINE CREEK	7380	1/03/13	21	5.0	2.5	3.4
MALLO	6420	12/27/12	11	1.4	2.1	2.9
MARQUETTE SNOTEL	8760	1/01/13	15	2.5	4.4	--
MIDDLE POWDER SNOTEL	7760	1/01/13	17	3.4	4.9	5.0
MORAN	6750	1/05/13	21	4.9	5.3	5.1
NEW FORK SNOTEL	8340	1/01/13	20	3.9	4.7	4.5
NORRIS BASIN	7500	12/29/12	17	3.7	3.5	4.3
NORTH FRENCH SNOTEL	10130	1/01/13	39	8.7	8.0	11.7
OLD BATTLE SNOTEL	9920	1/01/13	49	11.7	10.2	12.6
OLD FAITHFUL	7400	12/27/12	27	5.8	5.7	5.3
OWL CREEK SNOTEL	8980	1/01/13	12	2.4	2.7	2.6
PARKERS PEAK SNOTEL	9400	1/01/13	42	10.7	10.7	9.9
PHILLIPS BNCH SNOTEL	8200	1/01/13	44	10.9	7.8	11.0
POCKET CREEK SNOTEL	9350	1/01/13	34	7.1	2.6	--
POWDER RVR.PASS SNTL	9480	1/01/13	24	5.7	5.3	4.8
RENO HILL SNOTEL	8500	1/01/13	9	1.9	7.7	5.8
SAGE CK BASIN SNTL	7850	1/01/13	---	5.0	7.9	5.8
SALT RIVER SNOTEL	7600	1/01/13	25	5.0	3.8	4.9
SAND LAKE SNOTEL	10050	1/01/13	40	8.6	10.5	11.8
SANDSTONE RS SNOTEL	8150	1/01/13	27	5.3	3.3	4.4
SHELL CREEK SNOTEL	9580	1/01/13	30	7.3	8.9	7.2
SNAKE RIVER STATION	6920	1/04/13	31	7.8	7.5	7.4
SNAKE RV STA SNOTEL	6920	1/01/13	28	7.5	7.5	6.4
SNIDER BASIN SNOTEL	8060	1/01/13	22	4.6	4.3	5.2
SOLDIER PARK SNOTEL	8780	1/01/13	9	1.7	5.4	--
SOUTH BRUSH SNOTEL	8440	1/01/13	21	3.9	2.6	4.8
SOUTH PASS SNOTEL	9040	1/01/13	26	5.7	6.1	6.7
SPRING CRK. SNOTEL	9000	1/01/13	44	10.6	7.6	10.2
SUCKER CREEK SNOTEL	8880	1/01/13	21	4.0	9.0	5.2
SYLVAN LAKE SNOTEL	8420	1/01/13	37	9.4	8.6	9.2
SYLVAN ROAD SNOTEL	7120	1/01/13	21	5.2	6.7	5.4
THUMB DIVIDE	7980	1/02/13	31	8.2	6.2	6.0
THUMB DIVIDE SNOTEL	7980	1/01/13	35	8.5	6.9	6.2
TIE CREEK SNOTEL	6870	1/01/13	4	.7	4.5	2.1
TIMBER CREEK SNOTEL	7950	1/01/13	7	.9	3.4	2.2
TOGWOTEE PASS	9580	1/05/13	43	12.3	9.5	11.9
TOGWOTEE PASS SNOTEL	9580	1/01/13	44	11.3	9.2	11.1
TOWNSEND CRK SNOTEL	8700	1/01/13	11	1.5	4.9	4.1
TRIPLE PEAK SNOTEL	8500	1/01/13	38	8.8	8.3	8.3
TWO OCEAN SNOTEL	9240	1/01/13	55	16.3	15.6	12.5
WEBBER SPRING SNOTEL	9250	1/01/13	36	8.8	7.6	9.6
WHISKEY PARK SNOTEL	8950	1/01/13	40	9.0	6.6	9.6
WILLOW CREEK SNOTEL	8450	1/01/13	42	11.3	8.4	10.8
WINDY PEAK SNOTEL	7900	1/01/13	---	.8	3.7	3.1
WOLVERINE SNOTEL	7650	1/01/13	17	4.4	6.4	4.8
YOUNTS PEAK SNOTEL	8350	1/01/13	30	7.5	7.0	7.0

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

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is 113% of normal. SWE in the Snake River Basin above Jackson Lake is 121% of normal. Pacific Creek Basin SWE is 126% of normal. Gros Ventre River Basin SWE is 105% of normal. SWE in the Hoback River drainage is 106% of normal. SWE in the Greys River drainage is 105% of normal. In the Salt River area SWE is 102% of normal. SWE in the Snake River Basin above Palisades is 113% of normal. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

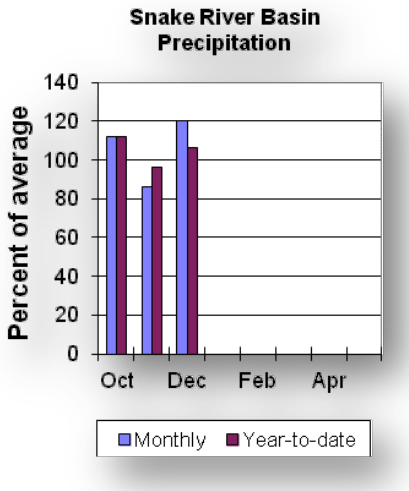


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 120% of average (190% of last year). Last month's percentages range from 94-155% of average for the 20 reporting stations. Water-year-to-date precipitation is 106% of average for the Snake River Basin (116% of last year). Year-to-date percentages range from 86-128% of average.

Reservoirs

Current reservoir storage is 85% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 108% of average (12,500 ac-ft compared to 11,800 last year). Jackson Lake storage is 144% of average (611,500 ac-ft compared to 631,100 ac-ft last year). Palisades Reservoir storage is about 56% of average (492,500 ac-ft compared to 1,236,500 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 April through September are above average for the basin. The Snake near Moran is 900,000 ac-ft (107% of average). Snake River above reservoir near Alpine is 2,580,000 ac-ft (103% of average). The Snake near Irwin is 3,530,000 ac-ft (101% of average). The Snake near Heise is 3,790,000 ac-ft (100% of average). Pacific Creek near Moran is 199,000 ac-ft (115% of average). Buffalo Fork above Lava near Moran is 350,000 ac-ft (109% of average). Greys River above Palisades Reservoir is 345,000 ac-ft (96% of average). Salt River near Etna is 355,000 ac-ft (96% of average). See the following page for detailed runoff volumes.

Snake River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R nr Moran (1,2)							
APR-JUL	535	730	815	107	900	1090	765
APR-SEP	590	805	900	107	995	1210	845
Snake R nr Alpine (1,2)							
APR-JUL	1350	1970	2250	104	2530	3150	2170
APR-SEP	1560	2260	2580	103	2900	3600	2500
Snake R nr Irwin (1,2)							
APR-JUL	2090	2750	3050	101	3350	4010	3010
APR-SEP	2450	3190	3530	101	3870	4610	3500
Snake R nr Heise (2)							
APR-JUL	2460	2940	3260	101	3580	4060	3240
APR-SEP	2880	3420	3790	100	4160	4700	3780
Pacific Ck At Moran							
APR-JUL	127	163	188	115	215	250	164
APR-SEP	137	174	199	115	225	260	173
Buffalo Fork ab Lava nr Moran							
APR-JUL	230	275	305	109	335	380	280
APR-SEP	265	315	350	109	385	435	320
Greys R Nr Alpine							
APR-JUL	196	255	295	97	335	395	305
APR-SEP	230	300	345	96	390	460	360
Salt R Nr Etna							
APR-JUL	139	230	290	97	350	440	300
APR-SEP	179	285	355	96	425	530	370

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.
The average is computed for the 1981-2010 base period.
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

SNAKE RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
Grassy Lake	15.2	12.5	11.8	11.6
Jackson Lake	847.0	611.5	631.1	424.1
Palisades	1400.0	492.5	1236.5	36.0

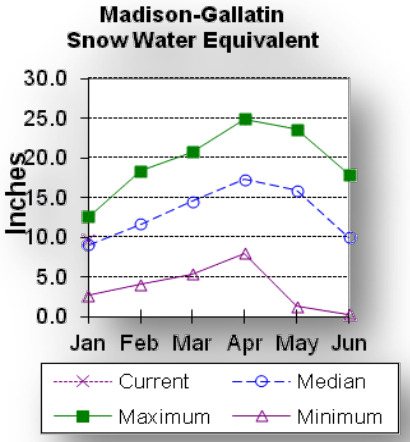
SNAKE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SNAKE above Jackson Lake	9	119	121
PACIFIC CREEK	3	106	126
BUFFALO FORK	1	123	102
GROS VENTRE RIVER	4	128	105
HOBACK RIVER	5	130	106
GREYS RIVER	4	136	105
SALT RIVER	3	136	102
SNAKE above Palisades	23	124	113

Madison-Gallatin Rivers Basin

Snow

Snow water equivalent (SWE) is at 109% of normal in the Madison-Gallatin drainage. See the "Basin Summary of Snow Course Data" at the front of this report for details.

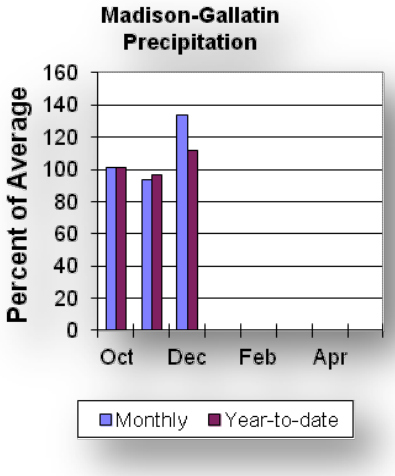


Precipitation

Last month precipitation in the Madison-Gallatin drainage was about 134% of average (241% of last year). The 5 reporting stations percentages range from 103-150% of average. Water-year-to-date precipitation is about 112% of average (119% of last year's amount). Year to date percentage ranges from 87-122%.

Reservoirs

Ennis Lake is storing about 30,300 ac-ft of water (74% of capacity, 101% of average or 101% of last year's volume). Hebgen Lake is storing about 319,300 ac-ft of water (85% of capacity, 113% of average or 98% of last year's volume). Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecast for April through September is above average for the basin. Hebgen Reservoir inflow is 500,000 ac-ft (106% of average). See the following page for detailed runoff volumes.

Madison-Gallatin Rivers Basin

Streamflow Forecasts - January 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)
Hebgen Reservoir Inflow (2)							
APR-JUL	310	360	395	107	430	480	370
APR-SEP	395	460	500	106	540	605	470

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

MADISON-GALLATIN RIVER BASINS
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	30.3	29.9	30.0
HEBGEN LAKE	377.5	319.3	325.1	283.2

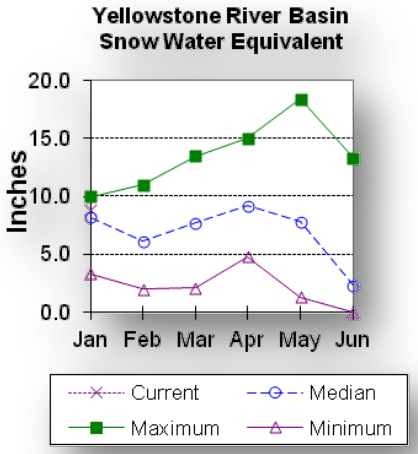
MADISON-GALLATIN RIVER BASINS
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
MADISON RIVER in WY	5	127	109

Yellowstone River Basin

Snow

SWE in the Yellowstone drainage is at 117% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.

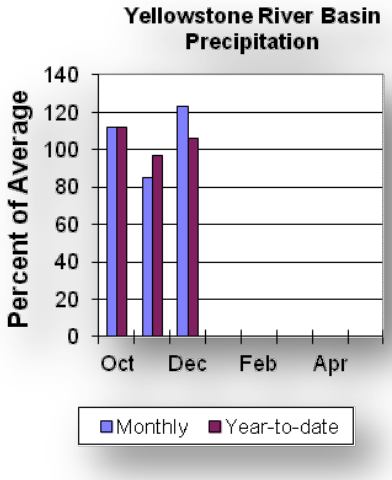


Precipitation

Last month precipitation in the Yellowstone drainage was about 123% of average (142% of last year). The 13 reporting stations percentages range from 64-157% of average. Water-year-to-date precipitation is about 106% of average (95% of last year's amount). Year to date percentage ranges from 73-128%.

Reservoirs

No reservoir data for the basin.



Streamflow

The 50% exceedance forecasts for April through September are above average for the basin. Yellowstone at Lake Outlet is 785,000 ac-ft (102% of average). Yellowstone at Corwin Springs will yield around 1,970,000 ac-ft (105% of average). Yellowstone near Livingston will yield around 2,250,000 ac-ft (105% of average). See the following page for detailed runoff volumes.

Yellowstone River Basin

Streamflow Forecasts - January 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)
Yellowstone R at Yellowstone Lake							
APR-JUL	460	545	600	104	655	740	575
APR-SEP	605	710	785	102	860	965	770
Yellowstone R at Corwin Springs							
APR-JUL	1340	1540	1680	106	1820	2020	1590
APR-SEP	1570	1810	1970	105	2130	2370	1880
Yellowstone R at Livingston							
APR-JUL	1520	1760	1920	107	2080	2320	1800
APR-SEP	1780	2060	2250	105	2440	2720	2140

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

YELLOWSTONE RIVER BASIN

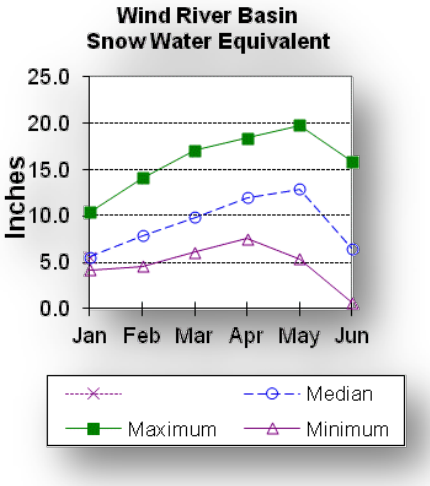
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
Yellowstone River in WY	13	112	118

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir is 97% of normal for snow water equivalent at this time of the year. SWE in the Wind River above Dubois is 107% of normal. The Little Wind SWE is 91% of normal, and the Popo Agie drainage SWE is about 85% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.



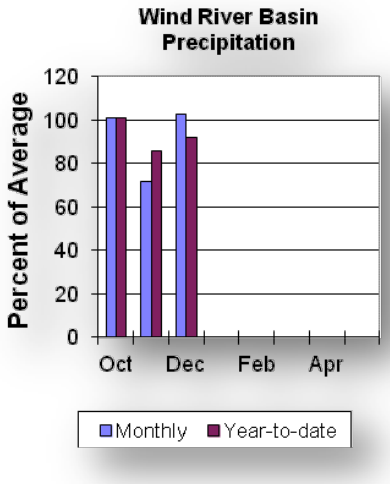
Precipitation

Last month's precipitation in the basin varied from 67-131% of average. Precipitation, for the basin, was about 103% of average from the 12 reporting stations; that is about 119% of last year's amount. Water year-to-date precipitation is 92% of average and about 81% of last year at this time. Year-to-date percentages range from 61-111% of average.

Reservoirs

Current storage varies from 91-119% of average. Current storage in Bull Lake is about 77,397 ac-ft (102% of average) - the reservoir is at 83% of last year. Boysen Reservoir is storing about 91% of average (518,649 ac-ft) – the reservoir is about 81% of last year. Pilot Butte is at 119% of average (27,547 ac-ft) – the reservoir is at 108% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow



The 50% exceedance forecasts for the April through September runoff period varies but is near average overall. Dinwoody Creek near Burris is 97,000 ac-ft (105% of average). The Wind River above Bull Lake Creek is 500,000 ac-ft (102% of average). Bull Lake Creek near Lenore is 170,000 ac-ft (101% of average). Wind River at Riverton will yield around 565,000 ac-ft (103% of average). Little Popo Agie River near Lander is around 34,000 ac-ft (69% of average). South Fork of Little Wind near Fort Washakie will yield around 70,000 ac-ft (85% of average). Little Wind River near Riverton will yield around 196,000 ac-ft (66% of average). Boysen Reservoir inflow will yield around 665,000 ac-ft (100% of average). See the following page for detailed runoff volumes.

Wind River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Dinwoody Ck nr Burris							
APR-JUL	54	64	70	106	76	86	66
APR-SEP	76	88	97	105	106	118	92
Wind R ab Bull Lake Ck (2)							
APR-JUL	250	345	410	103	475	570	400
APR-SEP	320	425	500	102	575	680	490
Bull Lake Ck nr Lenore							
APR-JUL	105	125	139	100	153	173	139
APR-SEP	127	153	170	101	187	215	169
Wind R at Riverton (2)							
APR-JUL	295	410	485	102	560	675	475
APR-SEP	335	475	565	103	655	795	550
Little Popo Agie R nr Lander							
APR-JUL	6.1	19.1	28	67	37	50	42
APR-SEP	10.6	25	34	69	43	57	49
SF Little Wind R nr Fort Washakie							
APR-JUL	38	52	62	86	72	86	72
APR-SEP	43	59	70	85	81	97	82
Little Wind R nr Riverton							
APR-JUL	19.0	108	169	63	230	320	270
APR-SEP	33	130	196	66	260	360	295
Boysen Reservoir Inflow (2)							
APR-JUL	215	440	595	98	750	975	610
APR-SEP	235	490	665	100	840	1100	665

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

WIND RIVER BASIN

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	94.3	93.5	75.9
BOYSEN	596.0	677.7	637.6	572.4
PILOT BUTTE	31.6	28.0	25.4	23.1

WIND RIVER BASIN

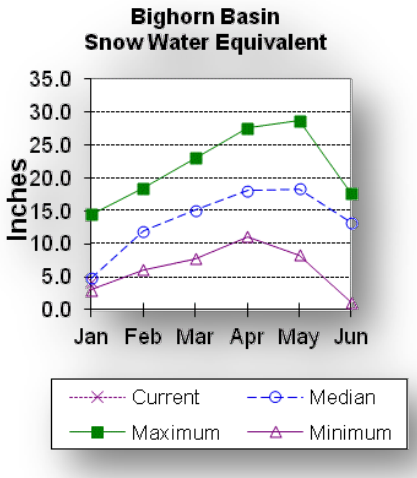
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
WIND RIVER above Dubios	4	124	107
LITTLE WIND	1	74	91
POPO AGIE	4	85	85
WIND above Boysen Resv	8	101	97

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is at 86% of normal. The Nowood River is at 93% of normal. The Greybull River SWE is at 91% of normal. Shell Creek SWE is 101% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.

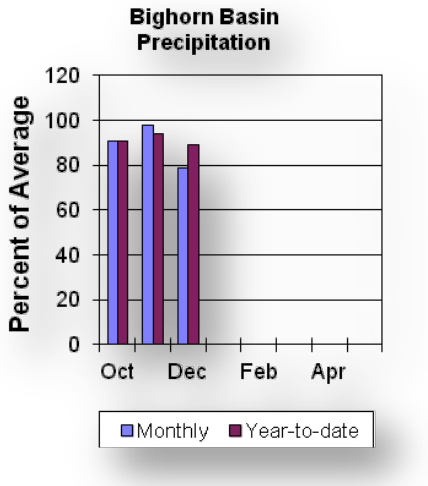


Precipitation

Last month's precipitation was 79% of average (88% of last year). Sites ranged from 22-131% of average for the month. Year-to-date precipitation is 89% of average; that is 60% of last year at this time. Year-to-date percentages, from the 11 reporting stations, range from 43-124%.

Reservoirs

Boysen Reservoir is currently storing 518,649 ac-ft (91% of average). Bighorn Lake is now at 893,900 ac-ft (103% of average). Boysen is currently storing 81% of last year volume at this time and Big Horn Lake is storing 94% of last year's volume. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through September runoffs are anticipated to be below average. Boysen Reservoir inflow should yield 665,000 ac-ft (100% of average); the Greybull River near Meeteetse should yield around 158,000 ac-ft (89% of average); Shell Creek near Shell should yield around 64,000 ac-ft (97% of average) and the Bighorn River at Kane should yield around 855,000 ac-ft (95% of average). See the following page for detailed runoff volumes.

Bighorn River Basin

Streamflow Forecasts - January 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)							
APR-JUL	215	440	595	98	750	975	610
APR-SEP	235	490	665	100	840	1100	665
Greybull R nr Meeteetse							
APR-JUL	80	101	116	89	131	152	131
APR-SEP	112	139	158	89	177	205	177
Shell Ck nr Shell							
APR-JUL	37	46	52	95	58	67	55
APR-SEP	48	57	64	97	71	80	66
Bighorn R at Kane (2)							
APR-JUL	320	595	785	94	975	1250	840
APR-SEP	340	645	855	95	1060	1370	905

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

BIGHORN RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	677.7	637.6	572.4
BIGHORN LAKE	1356.0	893.9	947.1	871.2

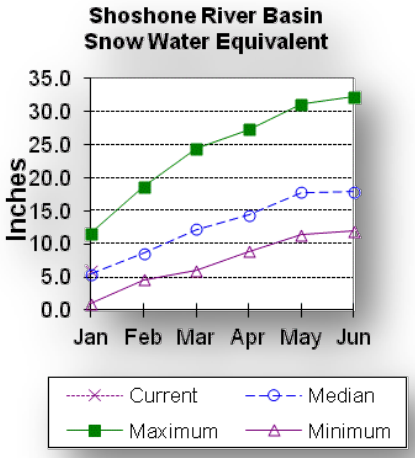
BIGHORN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
NOWOOD RIVER	2	89	93
GREYBULL RIVER	2	56	91
SHELL CREEK	3	65	81

Shoshone River Basin

Snow

Snowpack in this basin is above normal for this time of year. Snow Water Equivalent (SWE) is 110% of normal in the Shoshone River Basin. The Clarks Fork River drainage SWE is 109% of normal. See the "Basin Summary of Snow Course Data" at the front of this report for details.

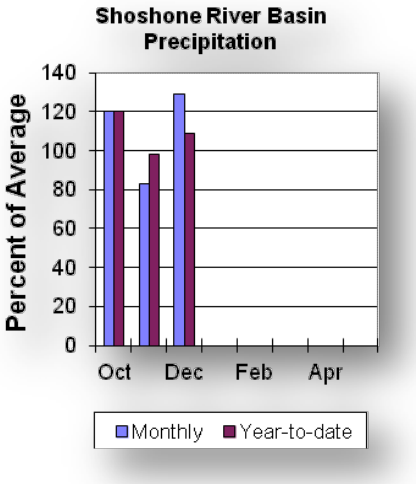


Precipitation

Precipitation for last month was 129% of average (130% of last year). Monthly percentages range from 96-165% of average. The basin year-to-date precipitation is now 109% of average (82% of last year). Year-to-date percentages range from 86-122% of average for the 5 reporting stations.

Reservoirs

Current storage in Buffalo Bill Reservoir is about 121% of average (95% of last year's storage) – the reservoir is at about 67% of capacity. Currently, about 430,753 ac-ft are stored in the reservoir compared to 454,500 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 April through September period are expected to be near average for the basin. The North Fork Shoshone River at Wapiti is 545,000 ac-ft (106% of average). The South Fork of the Shoshone River near Valley is 240,000 ac-ft (98% of average), and the South Fork above Buffalo Bill Reservoir runoff is 197,000 ac-ft (99% of average). The Buffalo Bill Reservoir inflow is expected to yield around 740,000 ac-ft (99% of average). See the following page for detailed runoff volumes.

Shoshone River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NF Shoshone R at Wapiti							
APR-JUL	385	445	485	105	525	585	460
APR-SEP	440	505	545	106	585	650	515
SF Shoshone R nr Valley							
APR-JUL	161	190	210	98	230	260	215
APR-SEP	185	220	240	98	260	295	245
SF Shoshone R ab Buffalo Bill Res							
APR-JUL	121	164	193	100	220	265	193
APR-SEP	121	166	197	99	230	275	200
Buffalo Bill Reservoir Inflow (2)							
APR-JUL	515	610	675	100	740	835	675
APR-SEP	570	670	740	99	810	910	745
Clarks Fk Yellowstone R nr Belfry							
APR-JUL	405	470	515	101	560	625	510
APR-SEP	440	510	560	102	610	680	550

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

SHOSHONE RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	454.5	454.5	355.5

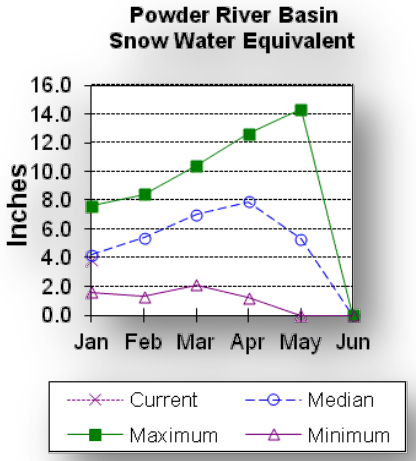
SHOSHONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SHOSHONE RIVER	5	95	110
CLARKS FORK in WY	7	102	109

Powder River Basin

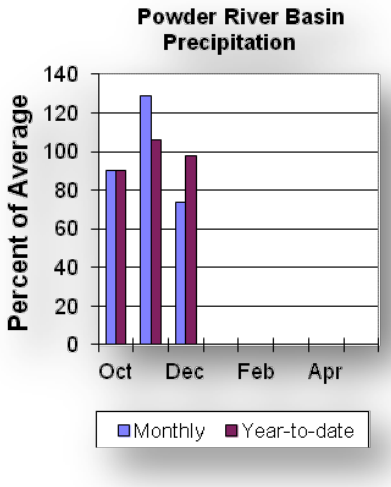
Snow

Snow water equivalent (SWE) in the Powder River drainage is 96% of normal. SWE in the Clear Creek drainage is 83% of normal. Crazy Woman Creek drainage is 119% of normal. Upper Powder River drainage SWE is 106% of normal. Powder River Basin SWE in Wyoming is 96% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Last month's precipitation was 76% of average for the 6 reporting stations (83% of last year). Monthly percentages range from 57-118% of average. Year-to-date precipitation is 98% of average in the basin; this is 64% of last year at this time. Precipitation for the year ranges from 67-124% of average.



Reservoirs

No reservoir data for the basin.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be below average for the basin. The Middle Fork of the Powder River near Barnum is 12,300 ac-ft (72% of average). The North Fork of the Powder River near Hazelton should yield around 10,900 ac-ft (110% of average). Rock Creek near Buffalo will yield about 20,000 ac-ft (91% of average), and Piney Creek at Kearny should yield about 38,000 ac-ft (81% of average). The Powder River at Moorhead is 170,000 ac-ft (87% of average). The Powder River near Locate is 190,000 ac-ft (86% of average). See the following page for detailed runoff volumes.

Powder River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
MF Powder R nr Barnum							
APR-JUL	4.5	8.7	11.5	71	14.3	18.5	16.1
APR-SEP	5.1	9.4	12.3	72	15.2	19.5	17.0
NF Powder R nr Hazelton							
APR-JUL	6.7	8.7	10.0	110	11.3	13.3	9.1
APR-SEP	7.5	9.5	10.9	110	12.3	14.3	9.9
Rock Ck nr Buffalo							
APR-JUL	10.0	13.9	16.5	89	19.1	23	18.6
APR-SEP	12.9	17.1	20	91	23	27	22
Piney Ck at Kearny							
APR-JUL	11.8	26	35	80	44	58	44
APR-SEP	14.1	28	38	81	48	62	47
Powder R at Moorhead							
APR-JUL	32	101	148	84	195	265	177
APR-SEP	50	121	170	87	220	290	196
Powder R nr Locate							
APR-JUL	26	110	167	84	225	310	199
APR-SEP	38	129	190	86	250	340	220

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

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

(1)- The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2)- The value is natural volume - actual volume may be affected by upstream water management.

POWDER RIVER BASIN

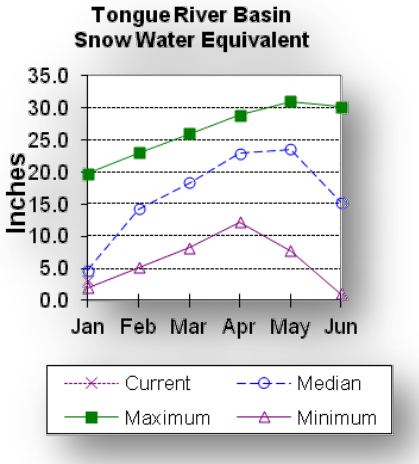
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
UPPER POWDER RIVER	3	99	106
POWDER RIVER in WY	5	74	96
CLEAR CREEK	2	55	83
CRAZY WOMAN CREEK	1	108	119

Tongue River Basin

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 75% of normal. The Goose Creek drainage is 66% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

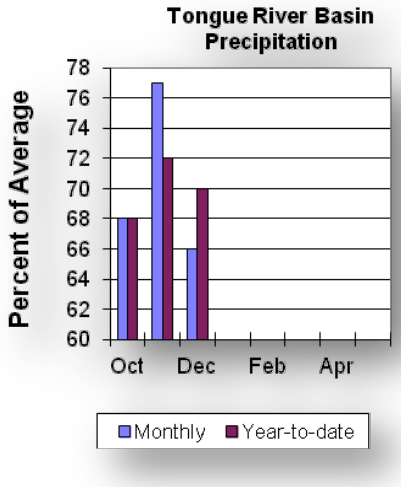
Last month's precipitation was 66% of average for the 7 reporting stations (55% of last year). Monthly percentages range from 53-87% of average. Year-to-date precipitation is 70% of average in the basin; this is 64% of last year at this time. Precipitation for the year ranges from 56-79% of average.

Reservoirs

The Tongue River Reservoir currently is storing 169% of average (44,600 ac-ft) compared to 84% of last year's storage.

Streamflow

The 50% exceedance forecasts for the April through September period are expected to be below average for the basin. The yield for Tongue River near Dayton is 74,000 ac-ft (76% of average). Big Goose Creek near Sheridan is 38,000 ac-ft (70% of average). Little Goose Creek near Bighorn is 30,000 ac-ft (77% of average). The Tongue River Reservoir Inflow is 140,000 ac-ft (65% of average). See the following page for detailed runoff volumes.



Tongue River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Tongue R nr Dayton (2)							
APR-JUL	31	51	65	76	79	99	86
APR-SEP	37	59	74	76	89	111	98
Big Goose Ck nr Sheridan							
APR-JUL	10.9	23	31	67	39	51	46
APR-SEP	17.5	30	38	70	46	59	54
Little Goose Ck nr Bighorn							
APR-JUL	10.0	17.8	23	74	28	36	31
APR-SEP	16.1	24	30	77	36	44	39
Tongue River Reservoir Inflow (2)							
APR-JUL	12.0	79	124	64	169	235	193
APR-SEP	22	92	140	65	188	260	215

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

TONGUE RIVER BASIN

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	44.6	53.3	26.4

TONGUE RIVER BASIN

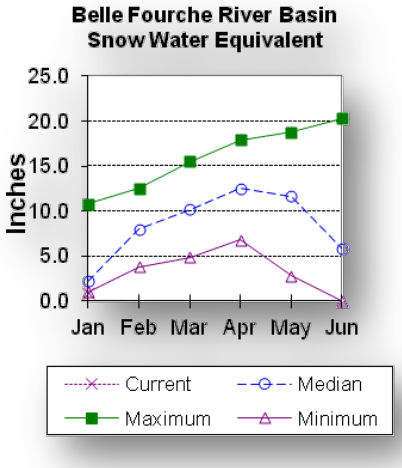
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
UPPER TONGUE RIVER	6	53	76
GOOSE CREEK	2	47	66

Belle Fourche River Basin

Snow

The Belle Fourche River Basin SWE is 45% of normal at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

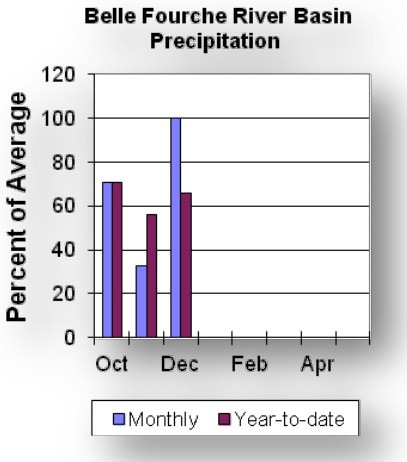


Precipitation

Precipitation for last month was 100% of average or 100% of last year in the Black Hills. There was 1 reporting station. Year-to-date precipitation is 66% of average and 80% of last year's amount.

Reservoirs

Belle Fourche reservoir is storing 97% of average (87,600 ac-ft), about 49% of capacity. Keyhole reservoir is storing 170% of average (148,400 ac-ft), about 77% of capacity. Shadehill reservoir is storing 68% of average (34,500 ac-ft), about 42% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

There are no streamflow forecast points for the basin.

Belle Fourche River Basin

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BELLE FOURCHE	178.4	87.6	126.2	90.6
KEYHOLE	193.8	148.4	164.8	87.4
SHADEHILL	81.4	34.5	37.8	50.7

BELLE FOURCHE RIVER BASIN

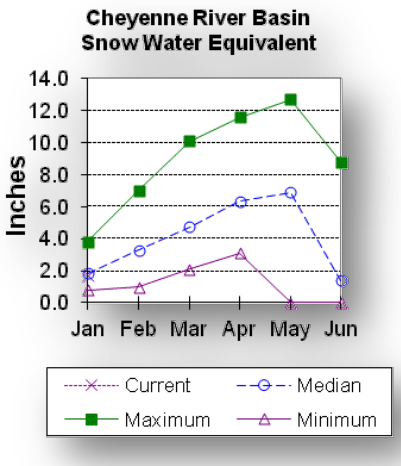
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
BELLE FOURCHE	1	67	48

Cheyenne River Basin

Snow

The Cheyenne River Basin SWE is 52% of normal at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

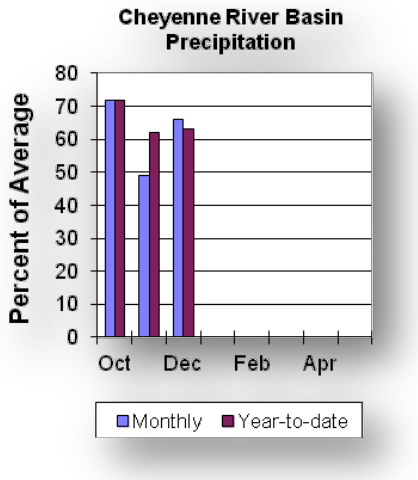
Precipitation for last month was 66% of average or 79% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 62-69%. Year-to-date precipitation is 63% of average and 90% of last year's amount. Yearly percentages range from 60-65% of average.

Reservoirs

Angostura is currently storing 70% of average (67,800 ac-ft), about 56% of capacity. Deerfield reservoir is storing 123% of average (15,100 ac-ft), about 99% of capacity. Pactola reservoir is storing 104% of average (47,700 ac-ft), about 87% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

The following runoff values are the 50% exceedance forecasts for the Apr through July period. The Deerfield Reservoir Inflow is expected to be 3,200 ac-ft (62% of average). Pactola Reservoir Inflow is expected to yield around 11,100 ac-ft (51% of average). See the following page for detailed runoff volumes.



Cheyenne River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<--- Drier --- Future Conditions --- Wetter ---> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Deerfield Reservoir Inflow (2)							
MAR-JUL	1.0	2.1	4.0	65	5.9	8.7	6.2
APR-JUL	1.0	2.2	3.2	62	4.4	6.6	5.2
Pactola Reservoir Inflow (2)							
MAR-JUL	1.5	3.7	13.0	52	22	36	25
APR-JUL	1.5	6.2	11.1	51	17.5	29	22

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

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

(1)- The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2)- The value is natural volume - actual volume may be affected by upstream water management.

CHEYENNE RIVER BASIN

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	67.8	92.2	96.4
DEERFIELD	15.2	15.1	15.0	12.3
PACTOLA	55.0	47.7	52.2	45.8

CHEYENNE RIVER BASIN

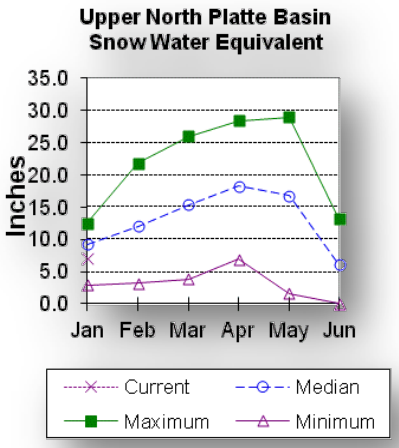
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
CHEYENNE BASIN	4	65	48

Upper North Platte River Basin

Snow

The SNOTELS above Seminoe Reservoir are showing about 77% of normal (SWE) for this time of the year. SWE in the drainage area above Northgate is 76% of normal at this time. SWE in the Encampment River drainage is about 93% of normal. Brush Creek SWE for the year is about 76% of normal. Medicine Bow and Rock Creek drainages SWE are about 76% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

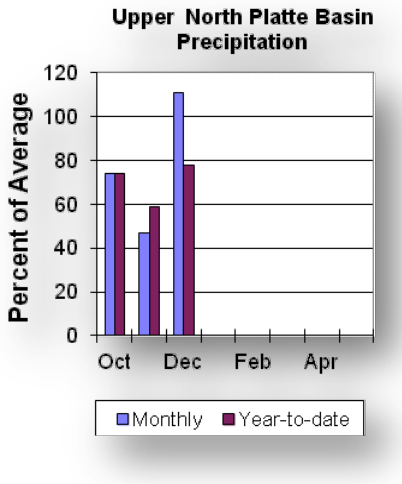


Precipitation

Eight reporting stations show last month's precipitation at 111% of average or 273% of last year's amount. Precipitation varied from 42-135% of average last month. Total water-year-to-date precipitation is about 78% of average for the basin, which is about 87% of last year's amount. Year to date percentage ranges from 48-102% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 513,515 ac-ft or 51% of capacity. Seminoe Reservoir is also storing about 93% of average for this time of the year and 58% of last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The following yields are the 50% exceedance forecasts for the April through September period and are expected to be below average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 173,000 ac-ft (69% of average). The Encampment River near Encampment is 115,000 ac-ft (83% of average). Rock Creek near Arlington is 39,000 ac-ft (75% of average). Seminoe Reservoir inflow should be around 530,000 ac-ft (69% of average). See the following table for more detailed information on projected runoff.

Upper North Platte River Basin

Streamflow Forecasts - January 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							
APR-JUL	35	106	155	69	205	275	225
APR-SEP	41	120	173	69	225	305	250
Encampment R nr Encampment							
APR-JUL	50	84	107	83	130	164	129
APR-SEP	55	91	115	83	139	175	138
Rock Ck nr Arlington							
APR-JUL	18.8	30	37	76	44	55	49
APR-SEP	19.6	31	39	75	47	58	52
Sweetwater R nr Alcova							
APR-JUL	2.6	24	39	66	54	75	59
APR-SEP	4.2	27	43	67	59	82	64
Seminoe Reservoir Inflow (2)							
APR-JUL	74	320	490	69	660	905	715
APR-SEP	83	350	530	69	710	975	770

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

UPPER NORTH PLATTE RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	878.4	878.4	553.7

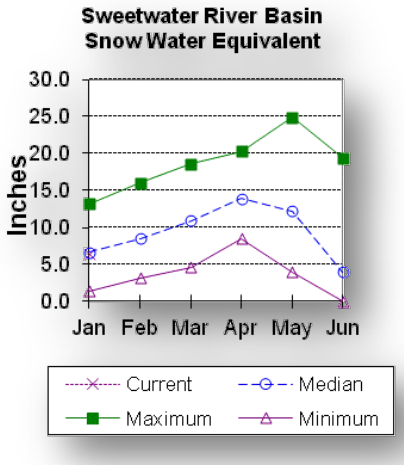
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
N PLATTE above Northgate	5	103	76
ENCAMPMENT RIVER	3	121	93
BRUSH CREEK	2	119	76
MEDICINE BOW & ROCK CREEKS	2	89	76
N PLATTE above Seminoe	13	106	80

Sweetwater River Basin

Snow

SWE for the Sweetwater River Basin is at 98% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



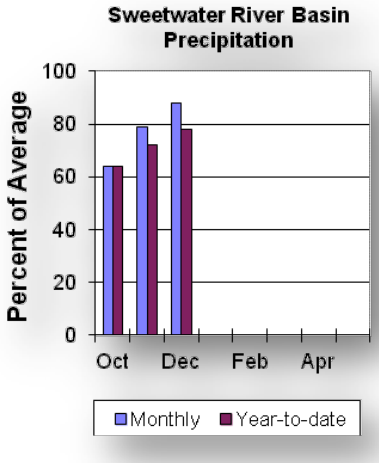
Precipitation

Last month's precipitation was 88% of average or 160% of last year's amount. Of the 3 reporting stations, percentages for the month range from 77-97%. The water year-to-date precipitation for the basin is currently 78% of average (100% of last year). Year-to-date percentages range from 61-93% of average.

Reservoirs

Reservoir storage is as follows:

Pathfinder 415,319 ac-ft (77% of average).



Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. The Sweetwater River near Pathfinder is forecast to yield about 43,000 ac-ft (67% of average). See the following table for more detailed information on projected runoff.

Sweetwater River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding *						
	90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Sweetwater R nr Alcova							
APR-JUL	2.6	24	39	66	54	75	59
APR-SEP	4.2	27	43	67	59	82	64

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

SWEETWATER RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
PATHFINDER	1016.5	756.2	756.2	536.1

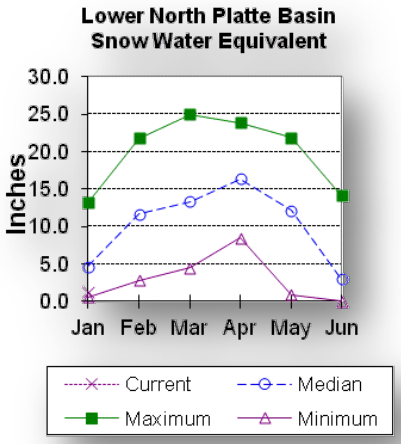
SWEETWATER RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
SWEETWATER	2	128	98
DEER & LaPRELE CREEKS	2	25	31

Lower North Platte River Basin

Snow

SWE for the Lower North Platte River Basin is at 28% of normal. Deer and LaPrele Creek SWE are at 31% of normal. SWE for the North Platte above the Laramie River drainage is 78% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

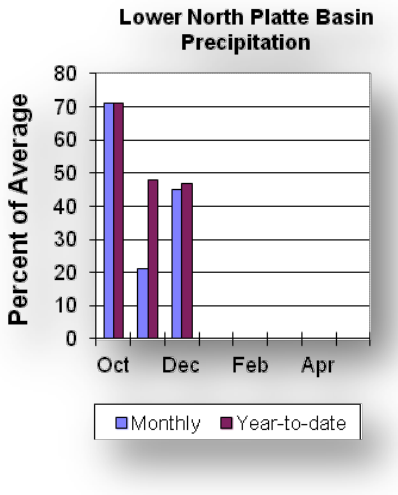
Last month's precipitation was 45% of average or 38% of last year's amount. Of the 4 reporting stations, percentages for the month range from 33-62%. The water year-to-date precipitation for the basin is currently 47% of average (38% of last year). Year-to-date percentages range from 35-65% of average.

Reservoirs

Reservoir storage is as follows: Alcova 157,419 ac-ft (102% of average); Glendo 220,215 ac-ft (86% of average); Guernsey 4,173 ac-ft (46% of average); Pathfinder 415,319 ac-ft (77% of average).

Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. North Platte - Alcova to Orin Gain is forecast to yield -64,000 ac-ft. North Platte River below Glendo Reservoir is 500,000 ac-ft (59% of average), and below Guernsey Reservoir is anticipated to yield around 510,000 ac-ft (60% of average). See the following table for more detailed information on projected runoff.



Lower North Platte River Basin

Streamflow Forecasts - January 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-Alcova to Orin Gain							
APR-JUL	-171.0	-103.0	-57.0	-112	-11.0	57	51
APR-SEP	-180.0	-111.0	-64.0	-320	-17.3	52	20
North Platte R bl Glendo Res (2)							
APR-JUL	210	370	475	58	580	740	820
APR-SEP	220	390	500	59	610	780	850
North Platte R bl Guernsey Res (2)							
APR-JUL	142	335	470	57	605	800	820
APR-SEP	170	370	510	60	650	850	850

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

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

(1)- The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2)- The value is natural volume - actual volume may be affected by upstream water management.

LOWER NORTH PLATTE RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	156.7	156.7	154.9
GLENDO	506.4	340.1	329.1	254.7
GUERNSEY	45.6	10.8	10.8	9.2
PATHFINDER	1016.5	756.2	756.2	536.1

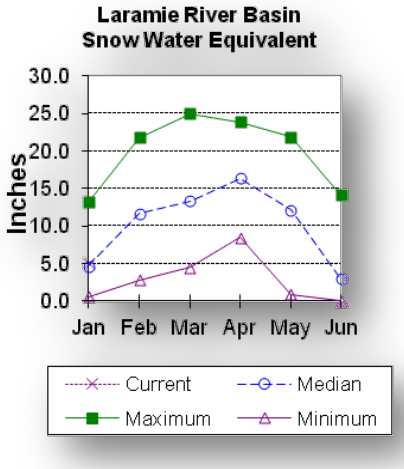
LOWER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
N PLATTE abv Laramie R.	17	99	78

Laramie River Basin

Snow

SWE for the Laramie River Basin is at 72% of normal. SWE for the Laramie River above Laramie is 68% of normal. SWE for the Little Laramie River is 75% of normal. The Laramie River above mouth, SWE is 70% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

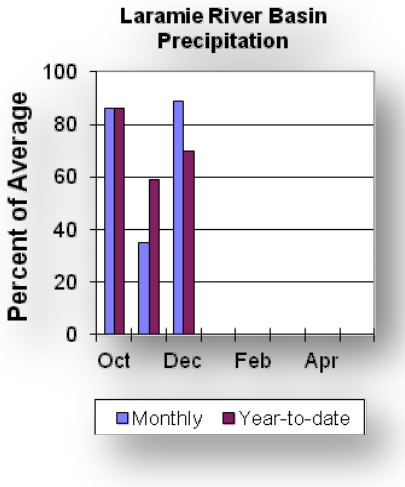


Precipitation

Last month's precipitation was 89% of average or 161% of last year's amount. Of the 6 reporting stations, percentages for the month range from 68-103%. The water year-to-date precipitation for the basin is currently 70% of average (77% of last year). Year-to-date percentages range from 64-77% of average.

Reservoirs

Reservoir storage is as follows: Wheatland #2 21,700 ac-ft (last year it was at 70,400 ac-ft).



Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. Laramie River near Woods Landing should yield around 101,000 ac-ft (80% of average). The Little Laramie near Filmore should produce about 40,000 ac-ft (73% of average). See the following table for more detailed information on projected runoff.

Laramie River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<--- Drier --- Future Conditions --- Wetter ---> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Laramie R nr Woods							
APR-JUL	55	77	92	80	107	129	115
APR-SEP	61	85	101	80	117	141	126
Little Laramie R nr Filmore							
APR-JUL	17.5	30	38	75	46	59	51
APR-SEP	17.3	31	40	73	49	63	55

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

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

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.

LARAMIE RIVER BASIN

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WHEATLAND #2	98.9	21.7	70.4	----

LARAMIE RIVER BASIN

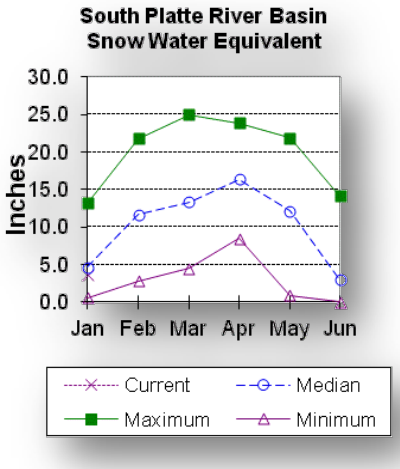
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
LARAMIE RIVER abv Laramie	5	73	68
LITTLE LARAMIE RIVER	2	99	75
LARAMIE RIVER above mouth	6	78	70
NORTH PLATTE	17	94	77

South Platte River Basin

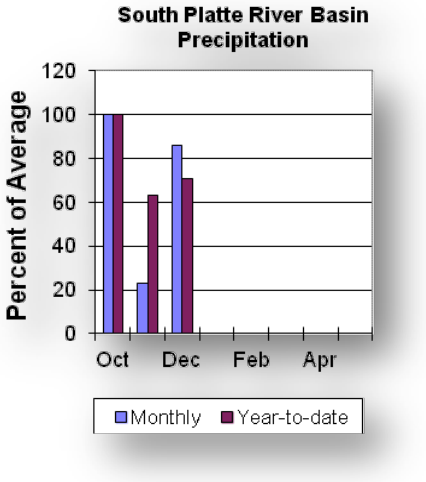
Snow

SWE for the South Platte River Basin is at 64% of normal. For more information see “Basin Summary of Snow Course Data” at the beginning of this report.



Precipitation

Last month’s precipitation was 86% of average or 126% of last year's amount. Of the 3 reporting stations, percentages for the month range from 68-100%. The water year-to-date precipitation for the basin is currently 71% of average (62% of last year). Year-to-date percentages range from 65-74% of average.



Reservoirs

No reservoir data for the basin.

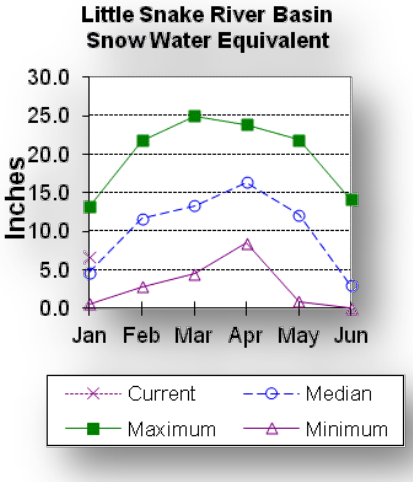
Streamflow

There are no streamflow forecast points for the basin.

Little Snake River Basin

Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 89% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

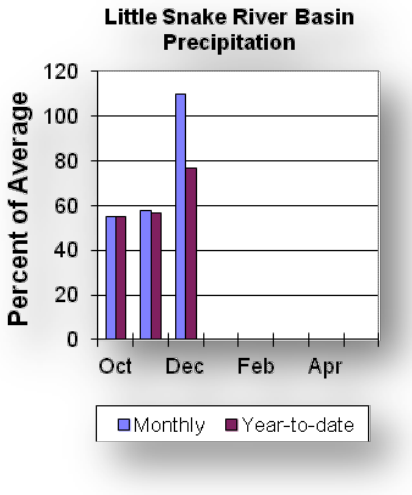
Precipitation across the basin was 110% of average (296% of last year) for the 8 reporting stations. Last month's precipitation ranged from 100-123% of average. The Little Snake River basin water-year-to-date precipitation is currently 77% of average (95% of last year). Year-to-date percentages range from 69-89% of average.

Reservoirs

High Savery Dam - 6,874 ac-ft(last year it stored 12,345 ac-ft at this time).

Streamflow

The 50% exceedance forecast for the April through July time frame on the Little Snake River drainage is expected to be below average this year. The Little Snake River near Slater should yield around 105,000 ac-ft (67% of average). The Little Snake River at Savery is estimated to yield around 220,000 ac-ft (64% of average). See the following table for more detailed information on projected runoff.



Little Snake River Basin

Streamflow Forecasts - January 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	53	82	105	67	131	174	156
Little Snake R nr Savery (2)							
APR-JUL	70	149	220	64	305	455	345

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

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

(1)- The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2)- The value is natural volume - actual volume may be affected by upstream water management.

LITTLE SNAKE RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
HIGH SAVERY	NO REPORT			

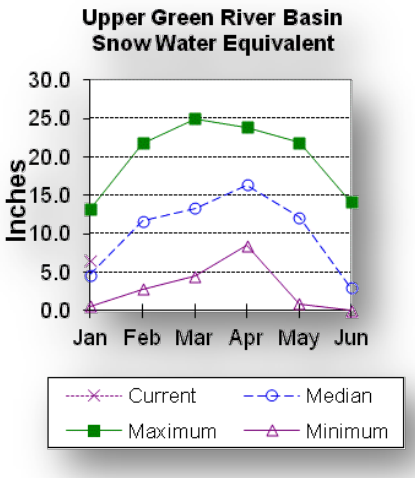
LITTLE SNAKE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
LITTLE SNAKE RIVER	6	112	89

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 105% of normal. SWE for the West Side of Upper Green River Basin is about 104% of normal. Newfork River Basin SWE is now about 92% of normal. Big Sandy-Eden Valley Basin is 103% of normal. SWE in the Green River Basin above Fontenelle Reservoir is about 102% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

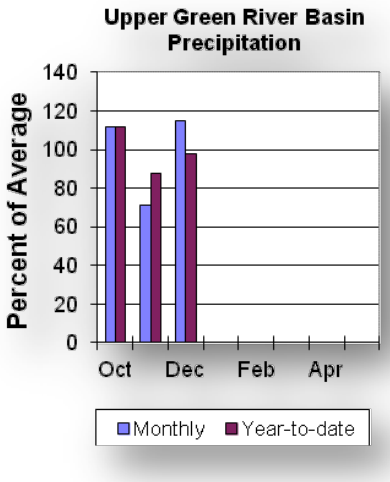


Precipitation

The 13 reporting precipitation sites in the basin were 115% of average last month (211% of last year). Last month's precipitation varied from 96-155% of average. Water year-to-date precipitation is about 98% of average (111% of last year). Year to date percentage of average ranges from 76-111% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 6,900 ac-ft or 18% of capacity. This is 42% of average. Fontenelle Reservoir is 196,200 ac-ft or 57% of capacity; 112% of average. This is 89% of average for the Upper Green River basin. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.



Streamflow

The 50% exceedance forecasts for the April through July runoff period in the Upper Green River Basin are forecast to be below average. The yield on the Green River at Warren Bridge is 210,000 ac-ft (86% of average). Pine Creek above Fremont Lake is 82,000 ac-ft (84% of average). New Fork River near Big Piney is 300,000 ac-ft (85% of average). Fontenelle Reservoir Inflow is estimated to be 580,000 ac-ft (80% of average), and Big Sandy near Farson is expected to be around 43,000 ac-ft (83% of average). See the following table for more detailed information on projected runoff.

Upper Green River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R at Warren Bridge							
APR-JUL	138	179	210	86	245	295	245
Pine Ck ab Fremont Lake							
APR-JUL	63	74	82	84	90	104	98
New Fork R nr Big Piney							
APR-JUL	158	235	300	85	370	485	355
Fontenelle Reservoir Inflow (2)							
APR-JUL	290	450	580	80	725	975	725
Big Sandy R nr Farson							
APR-JUL	25	35	43	83	51	65	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.

UPPER GREEN RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	6.9	21.6	16.3
FONTENELLE	344.8	196.2	207.4	175.3

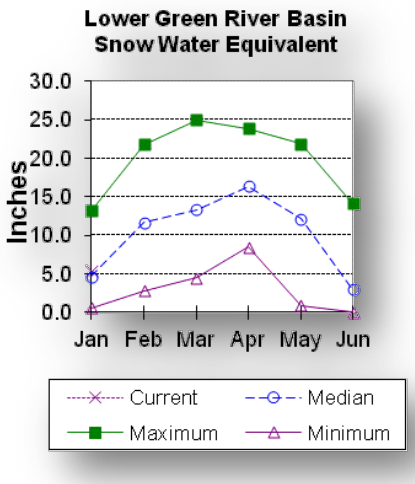
UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
GREEN above Warren Bridge	5	122	105
UPPER GREEN (West Side)	5	126	104
NEWFORK RIVER	2	141	92
BIG SANDY/EDEN VALLEY	1	155	103
GREEN above Fontenelle	11	127	102

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 105% of normal. SWE in the Hams Fork Basin is 103% of normal. Blacks Fork Basin SWE is currently 96% of normal. In the Henrys Fork drainage SWE is 126%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



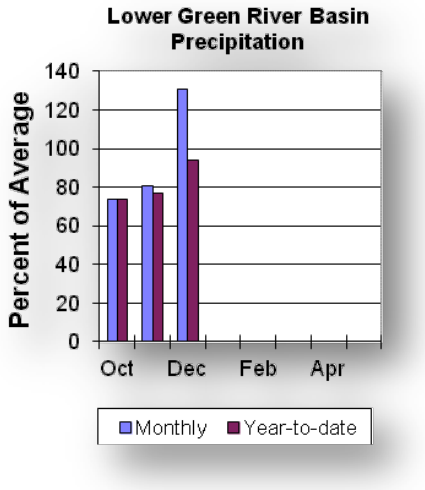
Precipitation

Precipitation for the 11 reporting stations during last month was at 131% of average or 240% of last year. Precipitation ranged from 109-209% of average for the month. The basin year-to-date precipitation is currently 94% of average (106% of last year). Year-to-date percentages range from 84-115% of average.

Reservoirs

Fontenelle Reservoir is currently storing 196,200 ac-ft; this is 112% of average (95% of last year). Flaming Gorge is currently storing 3,003,300 ac-ft; this is 97% of average (88% of last year). Viva Naughton is currently storing 25,500 ac-ft, 81% of average or 60% of capacity. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow



The 50% exceedance forecasts for the April through July runoff period in the Lower Green River Basin are forecast to be below average. The Green River near Green River is forecast to yield about 595,000 ac-ft (82% of average). The Blacks Fork near Robertson is forecast to yield 73,000 ac-ft (82% of average). East Fork of Smiths Fork near Robertson is forecast to yield 22,000 ac-ft (85% of average). Hams Fork below Pole Creek near Frontier is forecast to be 44,000 ac-ft (82% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 60,000 ac-ft (81% of average). The Flaming Gorge Reservoir inflow will be about 745,000 ac-ft (76% of average). See the following table for more detailed information on projected runoff.

Lower Green River Basin

Streamflow Forecasts - January 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 nr Green River, WY (2)							
APR-JUL	275	450	595	82	760	1040	730
Blacks Fk nr Robertson							
APR-JUL	44	60	73	82	87	109	89
EF of Smiths Fork nr Robertson (2)							
APR-JUL	13.1	18.1	22	85	26	33	26
Hams Fk bl Pole Ck nr Frontier							
APR-JUL	22	34	44	82	55	73	54
Viva Naughton Reservoir Inflow (2)							
APR-JUL	26	45	60	81	78	108	74
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	355	570	745	76	945	1280	980

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

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

(1)- The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2)- The value is natural volume - actual volume may be affected by upstream water management.

LOWER GREEN RIVER BASIN
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	196.2	207.4	175.3
VIVA NAUGHTON RES	42.4	25.5	29.1	31.4

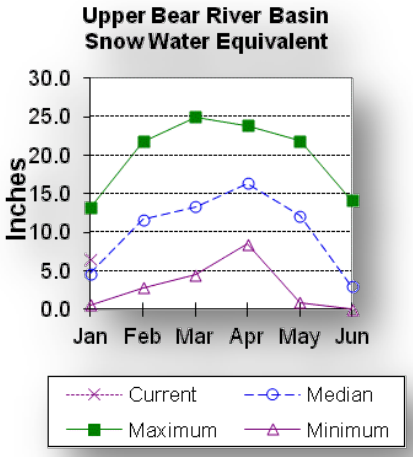
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2013

Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
HAMS FORK RIVER	3	140	103
BLACKS FORK	0	0	0
HENRYS FORK	0	0	0
GREEN above Flaming Gorge	14	131	102

Upper Bear River Basin

Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 100% of normal. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is at 103% of normal. Bear River Basin SWE, above the Idaho State line, is 110% of normal. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

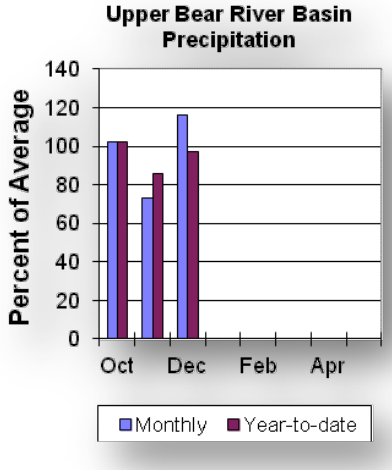
Precipitation for last month was 116% of average for the 9 reporting stations; this is 310% of the precipitation received last year. The year-to-date precipitation, for the basin, is 97% of average; this is 119% of last year's amount.

Reservoirs

Storage in Woodruff Narrows reservoir is 7,500 ac-ft (27% of average). Current reservoir storage is about 13% of capacity. Reservoir storage last year at this time was 43,000 ac-ft.

Streamflow

The following 50% exceedance forecasts are for the April through September period. The Bear River near the Utah-Wyoming State Line is 103,000 ac-ft (84% of average). The Bear River above Reservoir near Woodruff is 96,000 ac-ft (75% of average). The Smiths Fork River near Border Jct. is 90,000 ac-ft (87% of average). See the following table for more detailed information on projected runoff.



Upper Bear River Basin

Streamflow Forecasts - January 1, 2013

Forecast Pt / Forecast Period	<=== Drier === Future Conditions === Wetter ===> Chance of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Bear R nr UT-WY State Line							
APR-JUL	50	76	94	84	111	138	112
APR-SEP	54	83	103	84	122	151	123
Bear R ab Res nr Woodruff							
APR-JUL	30	66	91	75	116	153	121
APR-SEP	33	71	96	75	121	159	128
Smiths Fk nr Border							
APR-JUL	39	61	76	85	91	113	89
APR-SEP	49	74	90	87	107	132	104

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

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

(1)- The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2)- The value is natural volume - actual volume may be affected by upstream water management.

UPPER BEAR RIVER BASIN

Watershed Snowpack Analysis - January 1, 2013

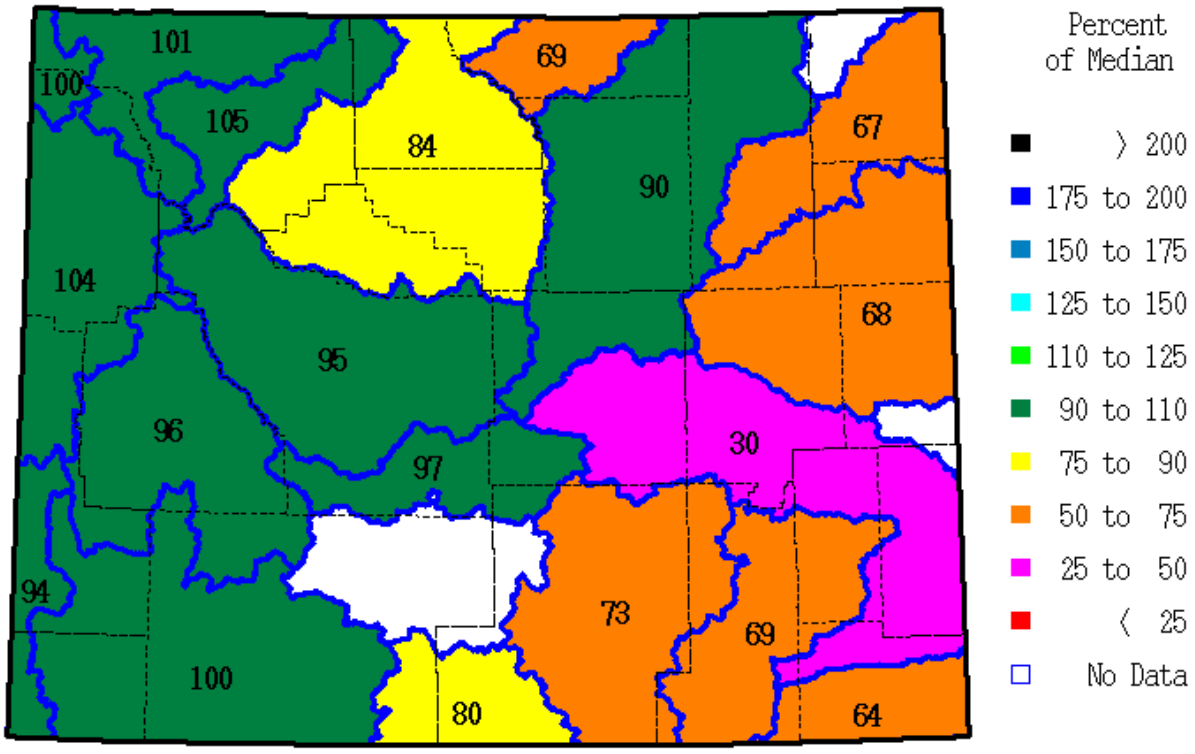
Watershed	Number of Data Sites	This Year as Percent of Last Year	Median
UPPER BEAR RIVER in Utah	0	0	0
SMITHS & THOMAS FORKS	3	138	103

Issued by **Released by**

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

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

SWE % of Median as of Monday, 07 January 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»