United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Wyoming
Basin Outlook Report
Jan 1, 2011

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

For more water supply and resource management information, contact:

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How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. 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 either above or below, the predicted 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 is. 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 their operational decisions. 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.

Wyoming Water Supply Outlook Report

General

The snow water equivalent (SWE) across Wyoming is above average for January 1st at 118%. December precipitation for the basins varied from 107-178% of average. Year-to-date precipitation for Wyoming basins varied from 100-173% of average. Forecasted runoff varies from 73-150% of average across the Wyoming basins for an overall average of 115%. Basin reservoir levels for Wyoming vary from 78-226% of average for an overall average of 106%.

Snowpack

Snow water equivalent (SWE), across Wyoming is above average for this time of year at 118%. SWE in the NW portion of Wyoming is now about 120% of average (185% of last year). NE Wyoming SWE is currently about 94% of average (110% of last year). The SE Wyoming SWE is currently about 141% of average (159% of last year). The SW Wyoming SWE is about 137% of average (219% of last year).

Precipitation

Last month's precipitation was above average across Wyoming. The Belle Fourche & Cheyenne River Basins had the lowest precipitation for the month at 100% of average. The Upper North Platte and Wind River Basins had the highest precipitation amount at 173% 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	**+29%**	**Upper North Platte River**	**+73%**
Yellowstone & Madison	**+50%**	**Lower North Platte**	**+59%**
Wind River	**+32%**	**Little Snake River**	**+73%**
Big Horn	**+02%**	**Upper Green River**	**+43%**
Shoshone & Clarks Fork	**+50%**	**Lower Green River**	**+40%**
Powder & Tongue River	**+05%**	**Upper Bear River**	**+26%**
Belle Fourche & Cheyenne	**+00%**		

Streams

Stream flow yield for April to September is expected to be above average across Wyoming. Most probable yield for the entire State of Wyoming is forecast to be about 115% (varying from 73-150% of average). The Snake River and Upper Yellowstone & Madison River Basins are expected to yield about 115 and 112% of average, respectively; 111-129% of average for the various forecast points in the basins: Yields from the Wind and Bighorn River Basins are expected to be about 103% and 99% of average, respectively; varying from 93-109% of average in the basins: Yields from the Shoshone and Clarks Fork River Basins of Wyoming are expected to yield about 112% of average; varying from 111-120% of average: Yields from the Powder & Tongue River Basins are expected to be about 76 and 74% of average, respectively; varying from 73-103% of average: Yields for the Belle Fourche & Cheyenne River Basins are expected to be about 124% of average. Yields for the Upper and Lower North Platte River of Wyoming are expected to be about 140 and 147% of average, respectively; varying from 97-150% of average: Yields for the Little Snake, Green River, and Little Bear of Wyoming are expected to be 121, 101, and 141% of average respectively; yield estimates vary from 100-144% of average:

Reservoirs

Reservoir storage for April varies widely across the state however reservoir storage is at 106% of average for the entire state. Reservoirs on the North Platte River are above average at 126% of average. Reservoirs in the northeast are above average in storage at 115%. Reservoirs in the Wind River Basin are below average at 93%. Reservoirs on the Big Horn are below average at 96%. The Buffalo Bill Reservoir on the Shoshone is above average at 108%. Reservoirs on the Green River are slightly above average at 103%. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

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	101	101
ANGOSTURA	77	59	79	98	131
BELLE FOURCHE	75	77	51	148	98
BIG SANDY	47	51	48	98	92
BIGHORN LAKE	66	72	67	98	92
BOYSEN	97	100	104	93	97
BUFFALO BILL	70	69	65	108	101
BULL LAKE	46	53	57	81	87
DEERFIELD	96	94	81	119	102
EDEN			NO REPORT		
ENNIS LAKE	70	70	77	90	99
FLAMING GORGE	83	87	81	103	96
FONTENELLE	61	57	61	100	106
GLENDO	69	45	56	123	152
GRASSY LAKE	84	82	76	109	102
GUERNSEY	26	32	16	167	83
HEBGEN LAKE	84	87	71	118	97
JACKSON LAKE	78	74	57	137	105
KEYHOLE	56	52	52	107	108
PACTOLA	96	98	83	115	98
PALISADES	58	76	74	78	76
PATHFINDER	77	72	63	122	107
PILOT BUTTE	79	84	64	124	94
SEMINOE	83	67	62	134	124
SHADEHILL	66	65	62	106	102
TONGUE RIVER	64	61	28	226	106
VIVA NAUGHTON RES	76	0	75	102	0
WHEATLAND #2	58	65	43	135	89
WOODRUFF NARROWS	70	77	41	169	91
TOTAL 28 RESERVOIRS	75	76	71	106	99

Raw KAF Totals Current=9964 Last Year=10047 Average=9369 Capacity=13288

BASIN SUMMARY OF
SNOW COURSE DATA

January 2010

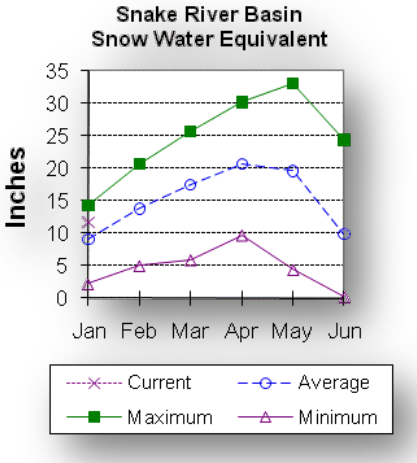
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WYOMING Snow Course and SNOTEL Stations						
BALD MOUNTAIN SNOTEL	9380	1/01/11	40	10.1	6.4	9.7
BASE CAMP SNOTEL	7030	1/01/11	---	10.3	3.8	8.2
BATTLE MTN. SNOTEL	7440	1/01/11	33	6.3	4.3	4.1
BEARTOOTH LK. SNOTEL	9280	1/01/11	48	12.4	8.1	11.5
BEAR TRAP SNOTEL	8200	1/01/11	21	3.3	2.2	2.6
BIG GOOSE SNOTEL	7760	1/01/11	17	2.8	3.9	4.4
BIG SANDY SNOTEL	9080	1/01/11	40	8.2	4.4	6.9
BLACKWATER SNOTEL	9780	1/01/11	51	14.1	9.6	12.0
BLIND BULL SNOTEL	8900	1/01/11	58	14.3	6.6	13.2
BLIND PARK SNOTEL	6870	1/01/11	18	2.9	3.2	3.5
BONE SPGS. SNOTEL	9350	1/01/11	33	7.9	5.8	7.8
BROOKLYN LK. SNOTEL	10220	1/01/11	56	14.5	10.3	10.8
BURGESS JCT. SNOTEL	7880	1/01/11	20	3.6	5.5	5.5
BURROUGHS CRK SNOTEL	8750	1/01/11	36	7.9	4.2	6.7
CANYON SNOTEL	8090	1/01/11	39	8.6	4.8	6.1
CASPER MTN. SNOTEL	7850	1/01/11	28	5.9	5.3	6.9
CHALK CK #1 SNOTEL	9100	1/01/11	67	17.2	8.0	10.1
CHALK CK #2 SNOTEL	8200	1/01/11	44	12.0	4.5	6.7
CINNABAR PARK SNOTEL	9690	1/01/11	50	12.9	9.6	9.9
CLOUD PEAK SNOTEL	9850	1/01/11	31	6.8	5.9	5.7
COLE CANYON SNOTEL	5910	1/01/11	14	2.8	2.6	3.3
COLD SPRINGS SNOTEL	9630	1/01/11	24	4.7	3.0	4.6
COTTONWOOD CR SNOTEL	7700	1/01/11	---	14.3	5.3	9.7
CROW CREEK SNOTEL	8830	1/01/11	25	6.6	6.2	3.4
DARBY CANYON	8250	12/27/10	49	13.6	5.0	10.5
DEER PARK SNOTEL	9700	1/01/11	52	12.6	7.1	6.7
DIVIDE PEAK SNOTEL	8860	1/01/11	48	11.8	8.7	9.2
DOME LAKE SNOTEL	8880	1/01/11	20	3.6	3.9	6.1
EAST RIM DIV SNOTEL	7930	1/01/11	---	6.6	1.8	5.9
ELBO RANCH	7100	1/04/11	30	7.6	1.6	--
ELKHART PARK SNOTEL	9400	1/01/11	---	6.5	3.5	6.3
EVENING STAR SNOTEL	9200	1/01/11	61	15.9	10.2	13.7
GRAND TARGHEE SNOTEL	9260	1/01/11	82	24.3	14.8	--
GRANITE CRK SNOTEL	6770	1/01/11	---	10.9	2.9	7.6
GRASSY LAKE SNOTEL	7270	1/01/11	67	16.5	8.6	14.7
GRAVE SPRINGS SNOTEL	8550	1/01/11	18	3.6	3.8	4.0
GROS VENTRE SNOTEL	8750	1/01/11	40	8.7	3.6	6.9
HANSEN S.M. SNOTEL	8360	1/01/11	20	3.0	2.3	3.3
HAMS FORK SNOTEL	7840	1/01/11	33	7.7	2.0	5.5
HOBBS PARK SNOTEL	10100	1/01/11	35	8.4	6.8	7.6
INDIAN CREEK SNOTEL	9430	1/01/11	---	16.6	7.6	12.5
JACKPINE CREEK	7350	12/27/10	38	10.1	4.8	9.3
KELLEY R.S. SNOTEL	8180	1/01/11	---	11.1	3.7	7.6
KENDALL R.S. SNOTEL	7740	1/01/11	30	6.6	2.2	6.7
KIRWIN SNOTEL	9550	1/01/11	30	6.7	4.3	5.9
LAKE CAMP	7780	12/31/10	31	6.8	3.2	4.2
LA PRELE SNOTEL	8380	1/01/11	29	5.4	4.2	5.3
LARSEN CREEK SNOTEL	9020	1/01/11	34	7.6	--	--
LEWIS LAKE SNOTEL	7850	1/01/11	74	18.8	7.8	14.8
LITTLE WARM SNOTEL	9370	1/01/11	30	6.5	3.0	5.3
LOOMIS PARK SNOTEL	8240	1/01/11	---	9.6	2.7	8.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
MARQUETTE SNOTEL	8760	1/01/11	12	1.7	3.4	5.0
MIDDLE POWDER SNOTEL	7760	1/01/11	22	5.0	4.8	5.5
NEW FORK SNOTEL	8340	1/01/11	28	6.1	1.4	5.4
NORRIS BASIN	7500	12/29/10	27	6.6	2.0	5.1
NORTH FRENCH SNOTEL	10130	1/01/11	75	20.8	15.0	13.4
NORTH RAPID CK SNTL	6130	1/01/11	17	3.1	5.0	3.3
OLD BATTLE SNOTEL	9920	1/01/11	90	23.3	14.6	14.6
OLD FAITHFUL	7400	12/30/10	45	10.0	3.1	6.0
OWL CREEK SNOTEL	8980	1/01/11	14	2.4	3.2	2.7
PARKERS PEAK SNOTEL	9400	1/01/11	56	13.8	9.5	10.6
PHILLIPS BNCH SNOTEL	8200	1/01/11	63	16.5	5.8	12.6
POCKET CREEK SNOTEL	9350	1/01/11	36	6.6	6.6	--
POWDER RVR.PASS SNTL	9480	1/01/11	29	6.4	3.5	5.3
RENO HILL SNOTEL	8500	1/01/11	33	7.2	7.2	6.6
SAGE CK BASIN SNTL	7850	1/01/11	---	10.1	5.7	5.3
SALT RIVER SNOTEL	7600	1/01/11	---	8.2	2.6	5.4
SAND LAKE SNOTEL	10050	1/01/11	---	18.5	14.8	14.9
SANDSTONE RS SNOTEL	8150	1/01/11	46	7.3	3.7	5.3
SHELL CREEK SNOTEL	9580	1/01/11	39	7.2	5.6	7.3
SNAKE RV STA SNOTEL	6920	1/01/11	31	8.9	4.1	7.9
SNIDER BASIN SNOTEL	8060	1/01/11	43	10.1	3.4	6.9
SOUTH BRUSH SNOTEL	8440	1/01/11	36	9.2	6.1	5.1
SOUTH PASS SNOTEL	9040	1/01/11	47	10.1	6.5	8.2
SPRING CRK. SNOTEL	9000	1/01/11	63	16.3	7.0	12.5
ST LAWRENCE ALT SNTL	8620	1/01/11	20	3.1	2.7	3.8
SUCKER CREEK SNOTEL	8880	1/01/11	26	5.0	6.0	5.2
SYLVAN LAKE SNOTEL	8420	1/01/11	46	11.7	6.2	10.5
SYLVAN ROAD SNOTEL	7120	1/01/11	33	8.0	3.2	6.2
THUMB DIVIDE SNOTEL	7980	1/01/11	50	11.7	4.6	7.6
TIE CREEK SNOTEL	6870	1/01/11	8	2.0	.6	2.5
TIMBER CREEK SNOTEL	7950	1/01/11	14	2.1	1.5	3.0
TOGWOTEE PASS SNOTEL	9580	1/01/11	56	14.8	8.1	11.7
TOWNSEND CRK SNOTEL	8700	1/01/11	25	4.8	4.8	4.4
TRIPLE PEAK SNOTEL	8500	1/01/11	56	14.6	8.2	11.9
TWO OCEAN SNOTEL	9240	1/01/11	64	19.0	10.8	13.5
WEBBER SPRING SNOTEL	9250	1/01/11	---	16.1	9.7	11.5
WHISKEY PARK SNOTEL	8950	1/01/11	66	16.6	8.1	11.1
WILLOW CREEK SNOTEL	8450	1/01/11	60	16.6	9.0	14.3
WINDY PEAK SNOTEL	7900	1/01/11	23	4.5	3.6	3.5
WOLVERINE SNOTEL	7650	1/01/11	28	7.5	3.7	5.8
YOUNTS PEAK SNOTEL	8350	1/01/11	36	9.2	5.5	7.9

Snake River Basin

Snow

The Snake River Basin snow water equivalent (SWE) is above average at 128%. SWE in the Snake River Basin above Jackson Lake is 128% of average. Pacific Creek Basin SWE is 135% of average. Gros Ventre River Basin SWE is 129% of average. SWE in the Hoback River drainage is 120% of average. SWE in the Greys River drainage is 124% of average. In the Salt River area SWE is 133% of average. SWE in the Snake River Basin above Palisades is 128% of average. See the "Basin Summary of Snow Course Data" at the beginning of this report for a detailed listing of snow course information.

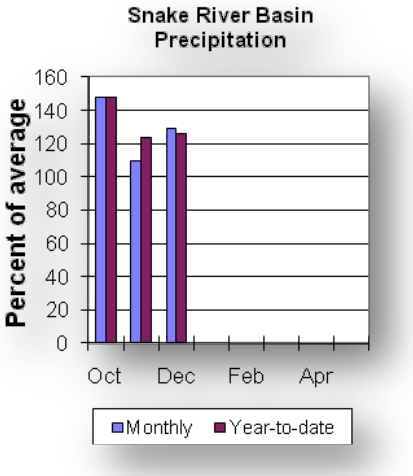


Precipitation

Precipitation across the basin was above average last month. Monthly precipitation for the basin was 129% of average (237% of last year). Last month's percentages range from 118-172% of average for the 16 reporting stations. Water-year-to-date precipitation is 126% of average for the Snake River Basin (198% of last year). Year-to-date percentages range from 99-140% of average.

Reservoir

Current reservoir storage is 97% of average for the 3 storage reservoirs in the basin. Grassy Lake storage is about 109% of average (12,700 ac-ft compared to 12,500 last year). Jackson Lake storage is 137% of average (658,100 ac-ft compared to 628,700 ac-ft last year). Palisades Reservoir storage is about 78% of average 811,400 ac-ft compared to 1,066,300 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 1,000,000 ac-ft (111% of average). Snake above reservoir near Alpine is 3,080,000 ac-ft (113% of average). The Snake near Irwin is 4,450,000 ac-ft (115% of average). The Snake near Heise is 4,770,000 ac-ft (115% of average). Pacific Creek near Moran is 230,000 ac-ft (129% of average). Buffalo Fork above Lava near Moran is 400,000 ac-ft (116% of average). Gros Ventre River at Kelly is 310,000 ac-ft (127% of average). Greys River above Palisades Reservoir is 485,000 ac-ft (123% of average). Salt River near Etna is 520,000 ac-ft (124% of average). See the following page for detailed runoff volumes.

Snake River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Snake R nr Moran (1,2)							
APR-JUL	660	855	940	115	1030	1220	815
APR-SEP	690	905	1000	111	1100	1310	905
Snake R ab Res nr Alpine (1,2)							
APR-JUL	1790	2410	2690	114	2970	3590	2370
APR-SEP	2060	2760	3080	113	3400	4100	2730
Snake R nr Irwin (1,2)							
APR-JUL	2900	3560	3860	116	4160	4820	3330
APR-SEP	3370	4110	4450	115	4790	5530	3870
Snake R nr Heise (2)							
APR-JUL	3330	3810	4130	116	4450	4930	3560
APR-SEP	3860	4400	4770	115	5140	5680	4160
Pacific Ck at Moran							
APR-JUL	159	195	220	129	245	280	171
APR-SEP	168	205	230	129	255	290	178
Buffalo Fork ab Lava nr Moran							
APR-JUL	275	320	350	116	380	425	301
APR-SEP	315	365	400	116	435	485	344
Gros Ventre R at Kelly							
APR-JUL	164	230	275	138	320	385	200
APR-SEP	189	260	310	127	360	430	244
Greys R nr Alpine							
APR-JUL	310	370	410	121	450	510	340
APR-SEP	370	440	485	123	530	600	395
Salt R nr Etna							
APR-JUL	290	380	440	129	500	590	340
APR-SEP	345	450	520	124	590	695	420

* 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 1971-2000 base period.

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

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

(3) - Median value used in place of average.

SNAKE RIVER BASIN

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
GRASSY LAKE	15.2	12.7	12.5	11.6
JACKSON LAKE	847.0	658.1	628.7	481.7
PALISADES	1400.0	811.4	1066.3	1036.5

SNAKE RIVER BASIN

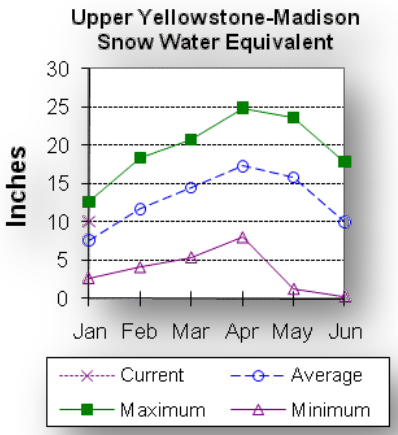
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SNAKE above Jackson Lake	5	209	128
PACIFIC CREEK	2	201	135
GROS VENTRE RIVER	3	246	129
HOBACK RIVER	5	285	120
GREYS RIVER	4	220	124
SALT RIVER	3	231	133
SNAKE above Palisades	18	239	128

Upper Yellowstone & Madison River Basins

Snow

Snowfall in these basins has been above average so far this year. Snow water equivalent (SWE) is at 134% of average in the Madison drainage. SWE in the Yellowstone drainage is at 131% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

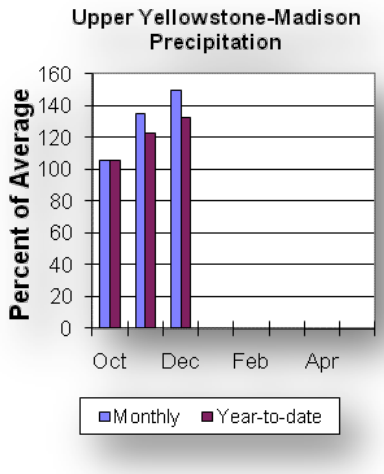


Precipitation

Last month precipitation in the Madison and Yellowstone drainage was about 150% of average (274% of last year). The 5 reporting stations percentages range from 118-204% of average. Water-year-to-date precipitation is about 133% of average (178% of last year's amount). Year to date percentage ranges from 112-172%.

Reservoir

Ennis Lake is storing about 28,500 ac-ft of water (70% of capacity, 90% of average or 99% of last year's volume). Hebgen Lake is storing about 315,900 ac-ft of water (84% of capacity, 118% of average or 97% 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 April through September are above average for the basins. Yellowstone at Lake Outlet is 940,000 ac-ft (117% of average). Yellowstone at Corwin Springs will yield around 2,280,000 ac-ft (116% of average). Yellowstone near Livingston will yield around 2,600,000 ac-ft (114 of average). Hebgen Reservoir inflow is 550,000 ac-ft (109% of average). See the following page for detailed runoff volumes.

Upper Yellowstone & Madison River Basins

Streamflow Forecasts - January 1, 2011

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	580	665	720	122	775	860	590
APR-SEP	760	865	940	117	1010	1120	805
Yellowstone R at Corwin Springs							
APR-JUL	1610	1810	1950	118	2090	2290	1650
APR-SEP	1880	2120	2280	116	2440	2680	1970
Yellowstone R at Livingston							
APR-JUL	1820	2060	2220	117	2380	2620	1900
APR-SEP	2130	2410	2600	114	2790	3070	2280
Hebgen Reservoir Inflow (2)							
APR-JUL	355	405	440	111	475	525	395
APR-SEP	445	510	550	109	590	655	505

* 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 1971-2000 base period.

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

UPPER YELLOWSTONE & MADISON RIVER BASINS
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ENNIS LAKE	41.0	28.5	28.9	31.5
HEBGEN LAKE	377.5	315.9	327.0	267.6

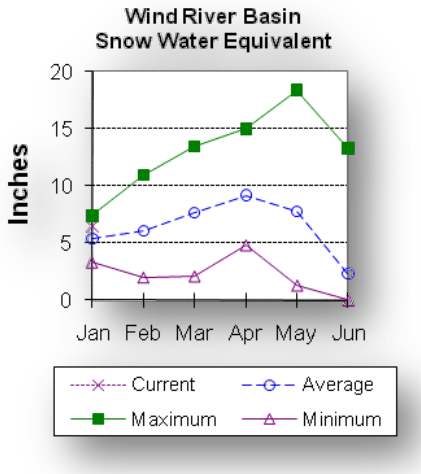
UPPER YELLOWSTONE & MADISON RIVER BASINS
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
MADISON RIVER in WY	8	215	132
YELLOWSTONE RIVER in WY	10	182	131

Wind River Basin

Snow

The Wind River Basin above Boysen Reservoir has above average snow water equivalent (SWE 120%) for this time of the year. SWE in the Wind River above Dubois is 126% of average. The Little Wind SWE is 101% of average, and the Popo Agie drainage SWE is about 133% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

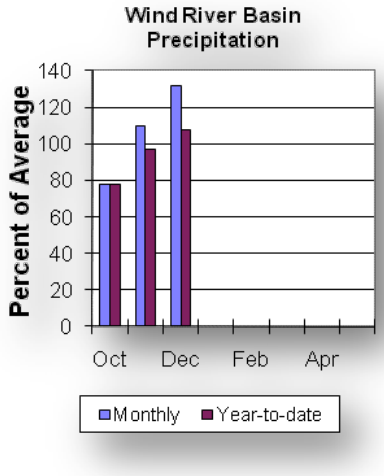


Precipitation

Last month's precipitation in the basin varied from 100-148% of average. Precipitation, for the basin, was about 132% of average from the 8 reporting stations; that is about 267% of last year's amount. Water year-to-date precipitation is 108% of average and about 142% of last year at this time. Year-to-date percentages range from 84-133% of average.

Reservoirs

Current storage varies from 81-124% of average. Current storage in Bull Lake is about 70,300 ac-ft (81% of average) - the reservoir is at 87% of last year. Boysen Reservoir is storing about 93% of average (578,500 ac-ft) – the reservoir is about 97% of last year. Pilot Butte is at 124% of average (25,000 ac-ft) – the reservoir is at 94% 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 for the basin are slightly above average. Dinwoody Creek near Burris is 98,000 ac-ft (104% of average). The Wind River above Bull Lake Creek is 560,000 ac-ft (105% of average). Bull Lake Creek near Lenore is 183,000 ac-ft (101% of average). Wind River at Riverton will yield around 645,000 ac-ft (101% of average). Little Popo Agie River near Lander is around 58,000 ac-ft (109% of average). South Fork of Little Wind near Fort Washakie will yield around 83,000 ac-ft (99% of average). Little Wind River near Riverton will yield around 335,000 ac-ft (106% of average). Boysen Reservoir inflow will yield around 830,000 ac-ft (103% of average). See the following page for detailed runoff volumes.

Wind River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Dinwoody Ck nr Burris							
APR-JUL	55	65	71	106	77	87	67
APR-SEP	77	89	98	104	107	119	94
Wind R ab Bull Lake Ck (2)							
APR-JUL	300	395	460	106	525	620	435
APR-SEP	380	485	560	105	635	740	535
Bull Lake Ck nr Lenore							
APR-JUL	115	135	149	101	163	183	148
APR-SEP	140	166	183	101	200	225	182
Wind R at Riverton (2)							
APR-JUL	360	475	550	101	625	740	545
APR-SEP	415	555	645	101	735	875	640
Little Popo Agie R nr Lander							
APR-JUL	29	42	51	111	60	73	46
APR-SEP	35	49	58	109	67	81	53
SF Little Wind R nr Fort Washakie							
APR-JUL	50	64	74	101	84	98	73
APR-SEP	56	72	83	99	94	110	84
Little Wind R nr Riverton							
APR-JUL	155	245	305	109	365	455	280
APR-SEP	172	270	335	106	400	500	315
Boysen Reservoir Inflow (2)							
APR-JUL	370	595	750	105	905	1130	717
APR-SEP	400	655	830	103	1000	1260	809

* 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 1971-2000 base period.

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

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BULL LAKE	151.8	70.3	80.8	86.3
BOYSEN	596.0	578.5	593.9	620.4
PILOT BUTTE	31.6	25.0	26.5	20.2

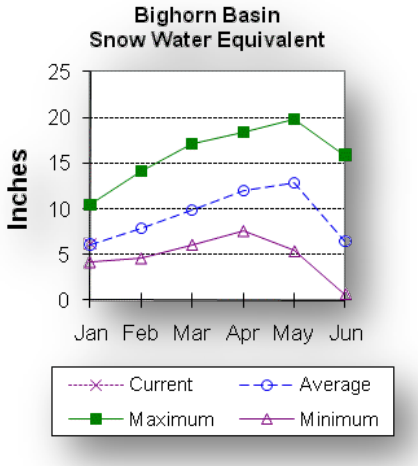
WIND RIVER BASIN
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
WIND RIVER above Dubois	4	209	126
LITTLE WIND	2	121	101
POPO AGIE	4	142	133
WIND above Boysen Resv	8	168	120

Bighorn River Basin

Snow

The Bighorn River Basin SWE above Bighorn Reservoir is slightly above average at 102%. The Nowood River is at 106% of average. The Greybull River SWE is at 99% of average. Shell Creek SWE is 102% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

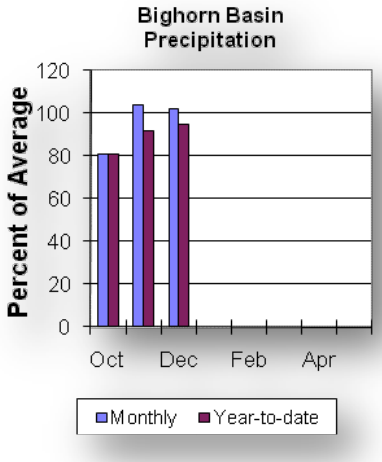


Precipitation

Last month's precipitation was 102% of average (197% of last year). Sites ranged from 42-167% of average for the month. Year-to-date precipitation is 95% of average; that is 131% of last year at this time. Year-to-date percentages, from the 9 reporting stations, range from 51-124%.

Reservoir

Boysen Reservoir is currently storing 578,500 ac-ft (93% of average). Bighorn Lake is now at 98% of average (891,100 ac-ft). Boysen is currently storing 97% of last year volume at this time and Big Horn Lake is storing 92% 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 about average. Boysen Reservoir inflow should yield 830,000 ac-ft (103% of average); the Greybull River near Meeteetse should yield around 190,000 ac-ft (95% of average); Shell Creek near Shell should yield around 67,000 ac-ft (93% of average) and the Bighorn River at Kane should yield around 1,100,000 ac-ft (99% of average). See the following page for detailed runoff volumes.

Bighorn River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Boysen Reservoir Inflow (2)							
APR-JUL	370	595	750	105	905	1130	717
APR-SEP	400	655	830	103	1000	1260	809
Greybull R nr Meeteetse							
APR-JUL	104	125	140	95	155	176	148
APR-SEP	144	171	190	95	210	235	200
Shell Ck nr Shell							
APR-JUL	40	49	55	92	61	70	60
APR-SEP	51	60	67	93	74	83	72
Bighorn R at Kane (2)							
APR-JUL	545	820	1010	101	1200	1480	1000
APR-SEP	585	890	1100	99	1310	1620	1110

* 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 1971-2000 base period.

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

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BOYSEN	596.0	578.5	593.9	620.4
BIGHORN LAKE	1356.0	891.1	971.0	911.1

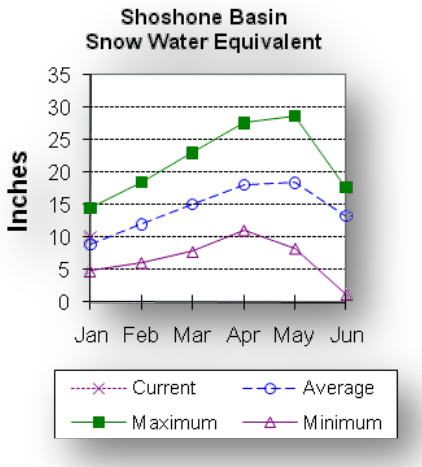
BIGHORN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
NOWOOD RIVER	2	137	106
GREYBULL RIVER	2	152	99
SHELL CREEK	3	142	102
BIGHORN (Boysen-Bighorn)	7	142	102

Shoshone and Clarks Fork River Basin

Snow

Snowpack in these basins is above average for this time of year. Snow Water Equivalent (SWE) is 110% of average in the Shoshone River Basin. The Clarks Fork River Basin SWE is 118% of average. See the "Basin Summary of Snow Course Data" at the front of this report for details.

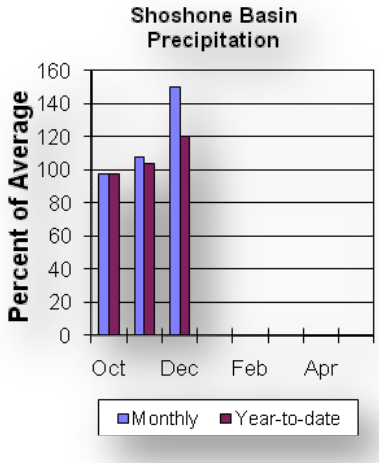


Precipitation

Precipitation for last month was 150% of average (259% of last year). Monthly percentages range from 92-204% of average. The basin year-to-date precipitation is now 120% of average (165% of last year). Year-to-date percentages range from 66-172% of average for the 8 reporting stations.

Reservoir

Current storage in Buffalo Bill Reservoir is about 108% of average (101% of last year's storage) – the reservoir is at about 70% of capacity. Currently, about 452,300 ac-ft are stored in the reservoir compared to 448,300 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 above average for the basin. The North Fork Shoshone River at Wapiti is 625,000 ac-ft (120% of average). The South Fork of the Shoshone River near Valley is 285,000 ac-ft 108% of average), and the South Fork above Buffalo Bill Reservoir runoff is 260,000 ac-ft (116% of average). The Buffalo Bill Reservoir inflow is expected to yield around 890,000 ac-ft (111% of average). The yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be around 680,000 ac-ft (114% of average). See the following page for detailed runoff volumes.

Shoshone & Clarks Fork River Basins

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
NF Shoshone R at Wapiti							
APR-JUL	460	520	560	122	600	660	460
APR-SEP	520	585	625	120	665	730	520
SF Shoshone R nr Valley							
APR-JUL	196	225	245	109	265	295	225
APR-SEP	230	265	285	108	305	340	265
SF Shoshone R ab Buffalo Bill Res							
APR-JUL	173	215	245	114	275	315	215
APR-SEP	184	230	260	116	290	335	225
Buffalo Bill Reservoir Inflow (2)							
APR-JUL	640	735	800	111	865	960	720
APR-SEP	720	820	890	111	960	1060	805
Clarks Fk Yellowstone R nr Belfry							
APR-JUL	505	570	615	114	660	725	540
APR-SEP	560	630	680	114	730	800	595

* 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 1971-2000 base period.

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

SHOSHONE & CLARKS FORK RIVER BASINS
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BUFFALO BILL	646.6	452.3	448.3	418.4

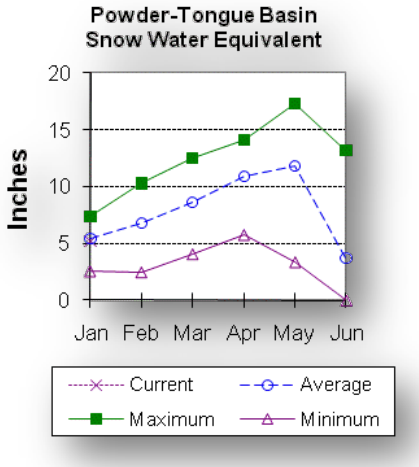
SHOSHONE & CLARKS FORK RIVER BASINS
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SHOSHONE RIVER	6	159	110
CLARKS FORK in WY	7	155	118

Powder and Tongue River Basins

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 83% of average. The Goose Creek drainage is 61% of average. SWE in the Clear Creek drainage is 109% of average. Crazy Woman Creek drainage is 121% of average. Upper Powder River drainage SWE is 110% of average. Powder River Basin SWE in Wyoming is 109% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

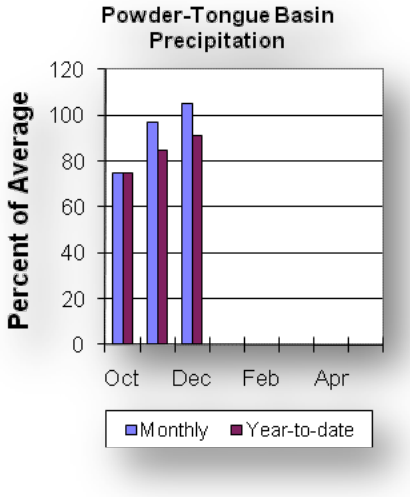
Last month's precipitation was 105% of average for the 9 reporting stations (158% of last year). Monthly percentages range from 42-147% of average. Year-to-date precipitation is 91% of average in the basin; this is 115% of last year at this time. Precipitation for the year ranges from 51-122% of average.

Reservoir

The Tongue River Reservoir is at 64% of capacity; 226% of average; and 106% of last year at 50,900 ac-ft.

Streamflow

The 50% exceedance forecasts for the June through September period are expected to be below average for the basins. The yield for Tongue River near Dayton is 90,000 ac-ft (83% of average). Big Goose Creek near Sheridan is 49,000 ac-ft (82% of average). Little Goose Creek near Bighorn is 34,000 ac-ft (81% of average). The Tongue River Reservoir Inflow is 185,000 ac-ft (74% of average). The Middle Fork of the Powder River near Barnum is 15,000 ac-ft (80% of average). The North Fork of the Powder River near Hazelton should yield around 10,700 ac-ft (103% of average). Rock Creek near Buffalo will yield about 19,700 ac-ft (82% of average), and Piney Creek at Kearny should yield about 39,000 ac-ft (122% of average). The Powder River at Moorehead is 176,000 ac-ft (77% of average). The Powder River near Locate is 197,000 ac-ft (76 of average). See the following page for detailed runoff volumes.



Powder & Tongue River Basins

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Tongue R nr Dayton (2)							
APR-JUL	46	66	80	83	94	114	96
APR-SEP	53	75	90	83	105	127	109
Big Goose Ck nr Sheridan							
APR-JUL	22	34	42	81	50	62	52
APR-SEP	28	41	49	82	57	70	60
Little Goose Ck nr Bighorn							
APR-JUL	15.0	23	28	82	33	41	34
APR-SEP	20	28	34	81	40	48	42
Tongue River Reservoir Inflow (2)							
APR-JUL	59	126	171	78	215	285	220
APR-SEP	67	137	185	74	235	305	250
MF Powder R nr Barnum							
APR-JUL	7.1	11.3	14.1	79	16.9	21	17.8
APR-SEP	7.8	12.1	15.0	80	17.9	22	18.7
NF Powder R nr Hazelton							
APR-JUL	6.6	8.6	9.9	103	11.2	13.2	9.6
APR-SEP	7.3	9.3	10.7	103	12.1	14.1	10.4
Rock Ck nr Buffalo							
APR-JUL	9.8	13.7	16.3	82	18.9	23	19.9
APR-SEP	12.6	16.8	19.7	82	23	27	24
Piney Ck at Kearny							
APR-JUL	12.8	27	36	74	45	59	49
APR-SEP	14.1	28	38	73	48	62	52
Powder R at Moorhead							
APR-JUL	40	109	156	76	205	270	205
APR-SEP	56	127	176	77	225	295	230
Powder R nr Locate							
APR-JUL	35	119	176	75	235	315	235
APR-SEP	45	136	197	76	260	350	260

* 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 1971-2000 base period.

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

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

(3) - Median value used in place of average.

POWDER & TONGUE RIVER BASINS
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
TONGUE RIVER	79.1	50.9	48.1	22.5

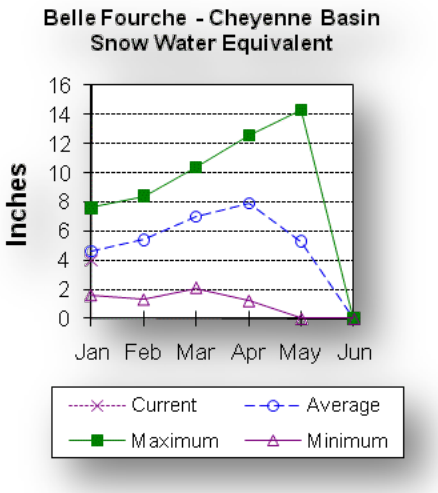
POWDER & TONGUE RIVER BASINS
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER TONGUE RIVER	7	103	83
GOOSE CREEK	2	82	61
CLEAR CREEK	2	120	109
CRAZY WOMAN CREEK	1	183	121
UPPER POWDER RIVER	3	140	110
POWDER RIVER in WY	5	131	109

Belle Fourche and Cheyenne River Basins

Snow

The Belle Fourche River Basin SWE is 87% of average at this time of year. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

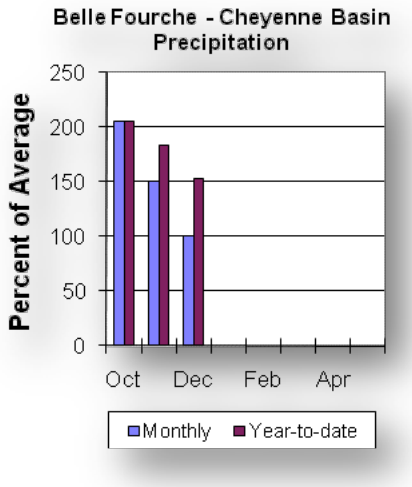


Precipitation

Precipitation for last month was 100% of average or 74% of last year in the Black Hills. There were 2 reporting stations. Monthly percentages range from 87-113%. Year-to-date precipitation is 153% of average and 117% of last year's amount. Yearly percentages range from 134-175% of average.

Reservoir

Current reservoir storage is about 115% of average in the basin. Angostura is currently storing 98% of average (94,100 ac-ft), about 77% of capacity. Belle Fourche reservoir is storing 148% of average (133,800 ac-ft), about 75% of capacity. Deerfield reservoir is storing 119% of average (14,600 ac-ft), about 96% of capacity. Keyhole reservoir is storing 107% of average (108,800 ac-ft), about 56% of capacity. Pactola reservoir is storing 115% of average (52,800 ac-ft), about 96% of capacity. Shadehill reservoir is storing 106% of average (53,900 ac-ft), about 66% 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 April through July period. The Deerfield Reservoir Inflow is expected to be 6,100 ac-ft (120% of average). Pactola Reservoir Inflow is expected to yield around 29,000 ac-ft (126% of average). See the following page for detailed runoff volumes.

Belle Fourche & Cheyenne River Basins

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Deerfield Reservoir Inflow (2)							
MAR-JUL	2.6	5.4	7.3	120	9.2	12.0	6.1
APR-JUL	2.8	4.6	6.1	120	7.8	10.6	5.1
Pactola Reservoir Inflow (2)							
MAR-JUL	9.1	23	32	123	41	55	26
APR-JUL	10.8	21	29	126	39	56	23

* 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 1971-2000 base period.

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

BELLE FOURCHE & CHEYENNE RIVER BASINS
Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ANGOSTURA	122.1	94.1	71.8	96.4
BELLE FOURCHE	178.4	133.8	136.8	90.6
DEERFIELD	15.2	14.6	14.3	12.3
KEYHOLE	193.8	108.8	101.0	101.7
PACTOLA	55.0	52.8	54.0	45.8
SHADEHILL	81.4	53.9	52.7	50.7

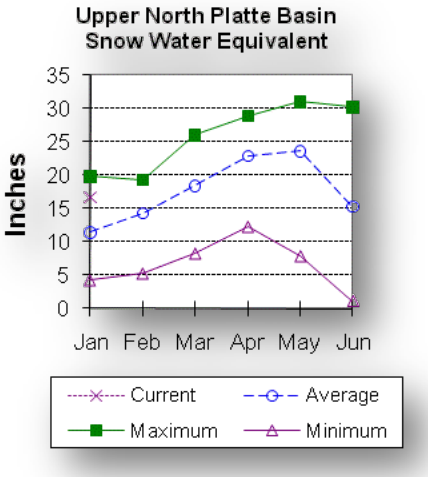
BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
BELLE FOURCHE	2	73	88

Upper North Platte River Basin

Snow

The SNOTELS and snow courses above Seminoe Reservoir are showing about 146% of average (SWE) for this time of the year. SWE in the drainage area above Northgate is 149% of average at this time. SWE in the Encampment River drainage is about 151% of average. Brush Creek SWE for the year is about 162% of average. Medicine Bow and Rock Creek drainages SWE are about 128% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

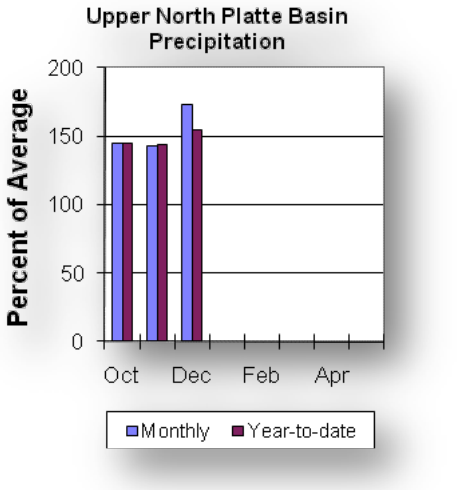


Precipitation

Eight reporting stations show last month's precipitation at 173% of average or 164% of last year's amount. Precipitation varied from 134-189% of average last month. Total water-year-to-date precipitation is about 155% of average for the basin, which is about 136% of last year's amount. Year to date percentage ranges from 124-170% of average.

Reservoirs

Seminoe Reservoir is estimated to be storing 847,900 ac-ft or 83% of capacity. Seminoe Reservoir is also storing about 134% of average for this time of the year and 124% 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 above average for the Upper North Platte River Basin. Yield for the North Platte River near Northgate will be around 405,000 ac-ft (150% of average). The Encampment River near Encampment is 220,000 ac-ft (133% of average). Rock Creek near Arlington is 69,000 ac-ft (121% of average). The Sweetwater River near Alcova forecast is for 92,000 ac-ft (115% of average). Seminoe Reservoir inflow should be around 1,200,000 ac-ft (111% of average). See the following table for more detailed information on projected runoff.

Upper North Platte River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
North Platte R nr Northgate							
APR-JUL	245	315	365	149	415	485	245
APR-SEP	275	350	405	150	460	535	270
Encampment R nr Encampment							
APR-JUL	153	187	210	135	235	265	156
APR-SEP	160	196	220	133	245	280	165
Rock Ck nr Arlington							
APR-JUL	47	58	65	123	72	83	53
APR-SEP	50	61	69	121	77	88	57
Sweetwater R nr Alcova							
APR-JUL	50	71	86	116	101	122	74
APR-SEP	53	76	92	115	108	131	80
Seminoe Reservoir Inflow (2)							
APR-JUL	695	940	1110	139	1280	1530	800
APR-SEP	755	1020	1200	140	1380	1650	860

* 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 1971-2000 base period.

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

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
SEMINOE	1016.7	847.9	684.6	631.1

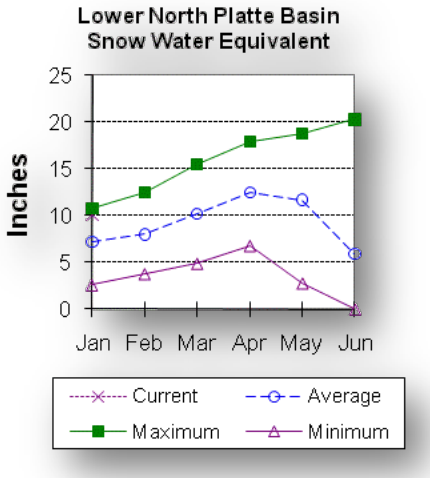
UPPER NORTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
N PLATTE above Northgate	5	182	149
ENCAMPMENT RIVER	3	173	151
BRUSH CREEK	2	142	162
MEDICINE BOW & ROCK CREEKS	2	131	128
N PLATTE above Seminoe	13	161	146

Lower North Platte River Basin

Snow

SWE for the North Platte River Basin is at 140% of average. The Sweetwater drainage SWE is currently at 152% of average. Deer and LaPrele Creek SWE are at 106% of average. SWE for the North Platte above the Laramie River drainage is 144% of average. SWE for the Laramie River above Laramie is 138% of average. SWE for the Little Laramie River is 132% of average. The Laramie River above mouth, SWE is 137% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

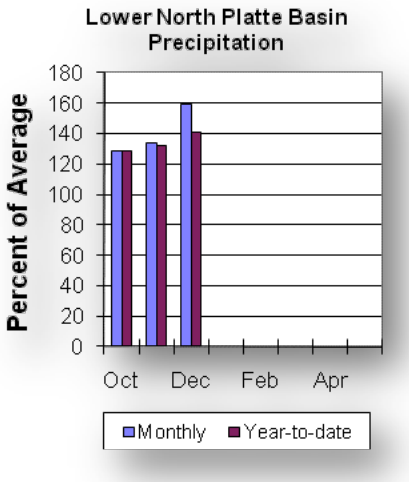


Precipitation

Last month's precipitation was 159% of average or 147% of last year's amount. Of the 8 reporting stations, percentages for the month range from 131-210%. The water year-to-date precipitation for the basin is currently 141% of average (121% of last year). Year-to-date percentages range from 100-212% of average.

Reservoir

The Lower North Platte River basin reservoir storage is above average at 126%. Reservoir storage is as follows: Alcova 156,700 ac-ft (101% of average); Glendo 349,000 ac-ft (123% of average); Guernsey 12,000 ac-ft (167% of average); Pathfinder 778,600 ac-ft (122% of average); Seminoe 847,900 ac-ft (134% of average); and Wheatland #2 57,000 ac-ft (135% of average):



Streamflow

The following yields are based on the 50% exceedance forecasts for the April through September period. The Sweetwater River near Alcova is forecast to yield about 92,000 ac-ft (115% of average). Deer Creek at Glenrock is forecast to yield 36,000 ac-ft (97% of average). LaPrele Creek above the reservoir is forecast to yield 27,000 ac-ft (113% of average). North Platte - Alcova to Orin Gain is forecast to yield 174,000 ac-ft (108% of average). North Platte River below Glendo Reservoir is 1,420,000 ac-ft (143% of average), and below Guernsey Reservoir is anticipated to yield around 1,480,000 ac-ft (147% of average). Laramie River near Woods Landing should yield around 179,000 ac-ft (133% of average). The Little Laramie near Filmore should produce about 84,000 ac-ft (131% of average). See the following table for more detailed information on projected runoff.

Lower North Platte, Sweetwater & Laramie River Basins

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Sweetwater R nr Alcova							
APR-JUL	50	71	86	116	101	122	74
APR-SEP	53	76	92	115	108	131	80
Deer Ck at Glenrock							
APR-JUL	6.7	24	35	95	46	63	37
APR-SEP	7.0	24	36	97	48	65	37
La Prele Ck ab La Prele Reservoir							
APR-JUL	7.5	18.5	26	108	33	44	24
APR-SEP	8.4	19.5	27	113	35	46	24
North Platte R-Alcova to Orin Gain							
APR-JUL	48	116	162	107	210	275	152
APR-SEP	58	127	174	108	220	290	161
North Platte R bl Glendo Res (2)							
APR-JUL	1100	1250	1360	142	1470	1620	960
APR-SEP	1140	1310	1420	143	1530	1700	990
North Platte R bl Guernsey Res (2)							
APR-JUL	1080	1280	1410	145	1540	1740	970
APR-SEP	1140	1340	1480	147	1620	1820	1010
Laramie R nr Woods							
APR-JUL	125	147	162	132	177	199	123
APR-SEP	139	163	179	133	195	220	135
Little Laramie R nr Filmore							
APR-JUL	55	68	76	129	84	97	59
APR-SEP	61	75	84	131	93	107	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 1971-2000 base period.

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

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

(3) - Median value used in place of average.

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

Reservoir Storage (1000AF) End of December

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
ALCOVA	184.3	156.7	155.8	154.4
GLENDO	506.4	349.0	229.3	282.9
GUERNSEY	45.6	12.0	14.4	7.2
PATHFINDER	1016.5	778.6	728.4	635.7
SEMINOE	1016.7	847.9	684.6	631.1
WHEATLAND #2	98.9	57.0	64.0	42.2

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS

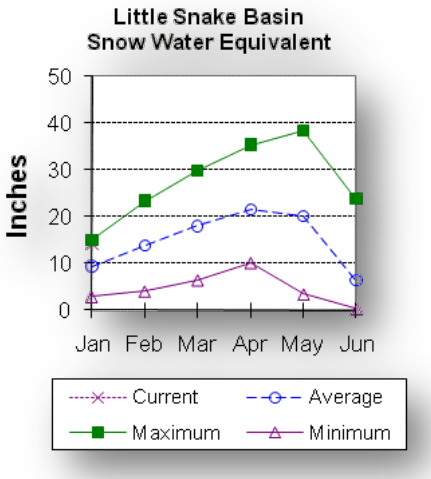
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
SWEETWATER	2	167	152
DEER & LaPRELE CREEKS	2	111	106
N PLATTE abv Laramie R.	17	157	144
LARAMIE RIVER abv Laramie	5	124	138
LITTLE LARAMIE RIVER	2	138	132
LARAMIE RIVER above mouth	6	127	137
NORTH PLATTE	17	152	140

Little Snake River Basin

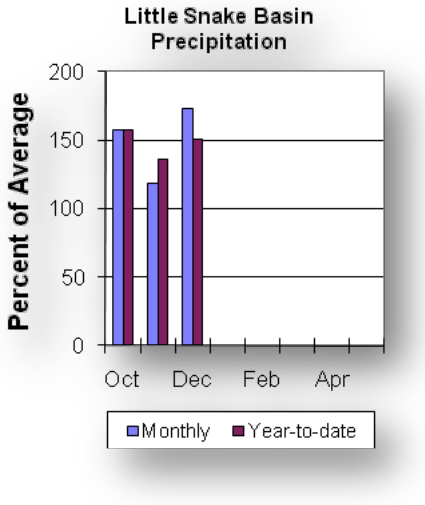
Snow

Currently, snow water equivalent (SWE) in the Little Snake River drainage is 150% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation across the basin was 173% of average (189% of last year) for the 5 reporting stations. Last month's precipitation ranged from 120-202% of average. The Little Snake River basin water-year-to-date precipitation is currently 151% of average (152% of last year). Year-to-date percentages range from 122-163% of average.



Reservoir

High Savery Dam -Pending

Streamflow

The 50% exceedance forecast for the April through July time frame on the Little Snake River drainage is expected to be above average this year. The Little Snake River near Slater should yield around 190,000 ac-ft (120% of average). The Little Snake River near Dixon is estimated to yield around 400,000 ac-ft (121% of average). See the following table for more detailed information on projected runoff.

Little Snake River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions — Chance of Exceeding * — 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Little Snake R nr Slater							
APR-JUL	125	162	190	120	220	270	159
Little Snake R nr Dixon							
APR-JUL	265	340	400	121	460	560	330

* 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 1971-2000 base period.

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

LITTLE SNAKE RIVER BASIN

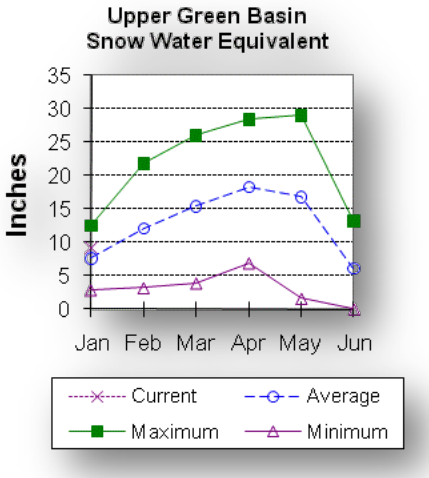
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
LITTLE SNAKE RIVER	6	171	150

Upper Green River Basin

Snow

SWE in the Green River Basin above Warren Bridge is about 119% of average. SWE for the West Side of Upper Green River Basin is about 126% of average. Newfork River Basin SWE is now about 108% of average. Big Sandy-Eden Valley Basin is 119% of average. SWE in the Green River Basin above Fontenelle Reservoir is about 121% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

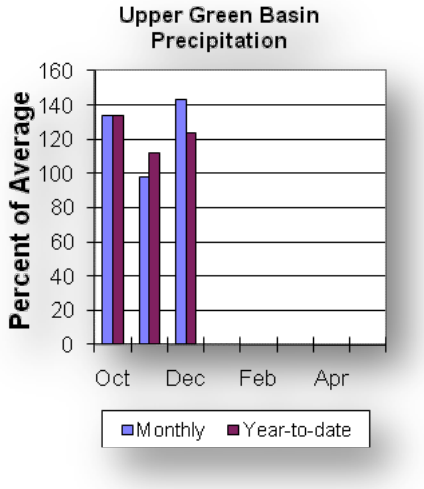


Precipitation

The 11 reporting precipitation sites in the basin were 143% of average last month (274% of last year). Last month's precipitation varied from 124-170% of average. Water year-to-date precipitation is about 73% of average (73% of last year). Year to date percentage of average ranges from 99-147% for the reporting stations.

Reservoir

Storage in Big Sandy Reservoir is 18,000 ac-ft or 47% of capacity. This is 98% of average. Eden Reservoir - No Report. Fontenelle Reservoir is 209,400 ac-ft or 61% of capacity; 100% of average. This is 100% 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 slightly above average. The yield on the Green River at Warren Bridge is 270,000 ac-ft (102% of average). Pine Creek above Fremont Lake is 105,000 ac-ft (101% of average). New Fork River near Big Piney is 415,000 ac-ft (105% of average). Fontenelle Reservoir Inflow is estimated to be 870,000 ac-ft (101% of average), and Big Sandy near Farson is expected to be around 58,000 ac-ft (100% of average). See the following table for more detailed information on projected runoff.

Upper Green River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions: Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R at Warren Bridge							
APR-JUL	191	235	270	102	305	365	265
Pine Ck ab Fremont Lake							
APR-JUL	82	95	105	101	115	131	104
New Fork R nr Big Piney							
APR-JUL	270	355	415	105	480	590	395
Fontenelle Reservoir Inflow (2)							
APR-JUL	500	710	870	101	1050	1340	860
Big Sandy R nr Farson							
APR-JUL	38	49	58	100	68	83	58

* 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 1971-2000 base period.

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

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
BIG SANDY	38.3	18.0	19.6	18.3
EDEN		NO REPORT		
FONTENELLE	344.8	209.4	197.8	209.7

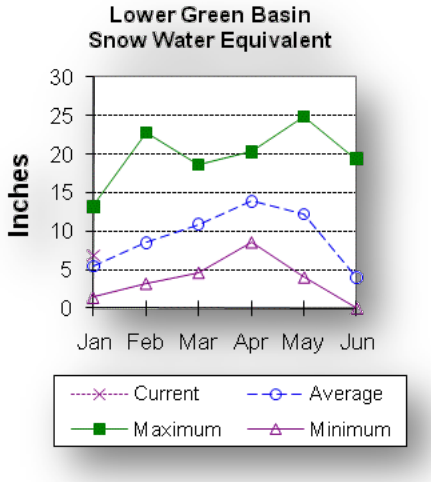
UPPER GREEN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
GREEN above Warren Bridge	5	304	119
UPPER GREEN (West Side)	5	219	126
NEWFORK RIVER	2	257	108
BIG SANDY/EDEN VALLEY	1	186	119
GREEN above Fontenelle	11	242	121

Lower Green River Basin

Snow

SWE in the Green River Basin above Flaming Gorge is 124% of average. SWE in the Hams Fork Basin is 138% of average. Blacks Fork Basin SWE is currently 133% of average. In the Henrys Fork drainage SWE is 118%. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.

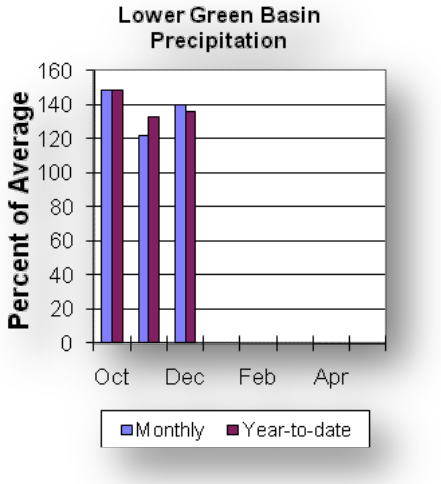


Precipitation

Precipitation was above average for the 3 reporting stations during last month at 140% of average or 346% of last year. Precipitation ranged from 134-159% of average for the month. The basin year-to-date precipitation is currently 136% of average (210% of last year). Year-to-date percentages range from 130-148% of average.

Reservoirs

Fontenelle Reservoir is currently storing 209,400 ac-ft; this is 100% of average (106% of last year). Flaming Gorge is currently storing 3,110,000 ac-ft; this is 103% of average (96% of last year). Viva Naughton is currently storing 32,200 ac-ft, 102% of average or 76% 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 895,000 ac-ft (102% of average). The Blacks Fork near Robertson is forecast to yield 110,000 ac-ft (116% of average). East Fork of Smiths Fork near Robertson is forecast to yield 34,000 ac-ft (117% of average). Hams Fork below Pole Creek near Frontier is forecast to be 77,000 ac-ft (119% of average). The Hams Fork Inflow to Viva Naughton Reservoir is forecast to be 105,000 ac-ft (118% of average). The Flaming Gorge Reservoir inflow will be about 1,200,000 ac-ft (101% of average). See the following table for more detailed information on projected runoff.

Lower Green River Basin

Streamflow Forecasts - January 1, 2011

Forecast Pt / Forecast Period	<=== Drier === 90% (1000AF)	70% (1000AF)	Future Conditions Chance of Exceeding * 50% (1000AF)	50% (% AVG.)	=== Wetter ===> 30% (1000AF)	10% (1000AF)	30 Yr Avg (1000AF)
Green R nr Green River, WY (2)							
APR-JUL	575	765	895	102	1030	1300	875
Blacks Fk nr Robertson							
APR-JUL	75	95	110	116	126	151	95
EF of Smiths Fork nr Robertson (2)							
APR-JUL	23	29	34	117	39	47	29
Hams Fk bl Pole Ck nr Frontier							
APR-JUL	45	63	77	119	93	118	65
Viva Naughton Reservoir Inflow (2)							
APR-JUL	58	86	105	118	124	152	89
Flaming Gorge Reservoir Inflow (2)							
APR-JUL	700	980	1200	101	1440	1840	1190

* 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 1971-2000 base period.

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

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
FONTENELLE	344.8	209.4	197.8	209.7
FLAMING GORGE	3749.0	3110.0	3246.0	3027.0
VIVA NAUGHTON RES	42.4	32.2	----	31.6

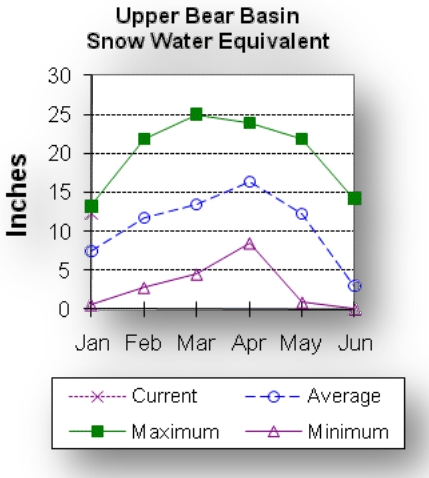
LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
HAMS FORK RIVER	3	266	138
BLACKS FORK	2	169	133
HENRYS FORK	2	114	118
GREEN above Flaming Gorge	18	227	124

Upper Bear River Basin

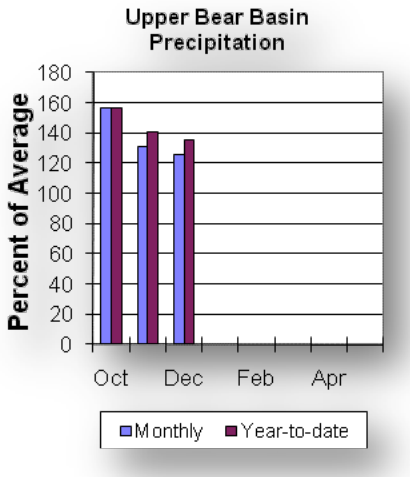
Snow

Snow water equivalent (SWE) in the Upper Bear River Basin in Utah is estimated to be 182% of average. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 141% of average. Bear River Basin SWE, above the Idaho State line, is 166% of average. For more information see "Basin Summary of Snow Course Data" at the beginning of this report.



Precipitation

Precipitation for last month was 126% of average for the 2 reporting stations; this is 312% of the precipitation received last year. The year-to-date precipitation, for the basin, is 135% of average; this is 240% of last year's amount.



Reservoir

Storage in Woodruff Narrows reservoir, is 40,000 ac-ft (169% of average). Current reservoir storage is about 70% of capacity. Reservoir storage last year at this time was 44,000 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 180,000 ac-ft (144% of average). The Bear River above Reservoir near Woodruff is 200,000 ac-ft (141% of average). The Smiths Fork River near Border is 150,000 ac-ft (124% of average). See the following table for more detailed information on projected runoff.

Upper Bear River Basin

Streamflow Forecasts - January 1, 2011

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	110	136	154	136	172	198	113
APR-SEP	132	160	180	144	200	230	125
Bear R abv Resv nr Woodruff							
APR-JUL	123	160	185	136	210	245	136
APR-SEP	137	175	200	141	225	265	142
Smiths Fork nr Border							
APR-JUL	93	115	130	126	145	167	103
APR-SEP	109	133	150	124	167	191	121

* 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 1971-2000 base period.

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

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

Reservoir	Usable Capacity	********** Usable Storage ********* This Year	Last Year	Average
WOODRUFF NARROWS	57.3	40.0	44.0	23.6

UPPER BEAR RIVER BASIN
Watershed Snowpack Analysis - January 1, 2011

Watershed	Number of Data Sites	This Year as Percent of Last Year	Average
UPPER BEAR RIVER in Utah	5	251	182
SMITHS & THOMAS FORKS	3	258	141
BEAR RIVER abv ID line	6	294	166
NORTHWEST	52	185	120
NORTHEST	11	110	94
SOUTHEAST	20	159	141
SOUTHWEST	26	219	137

Issued by

Dave White (Chief)
U.S. Department of Agriculture
Natural Resources Conservation Service
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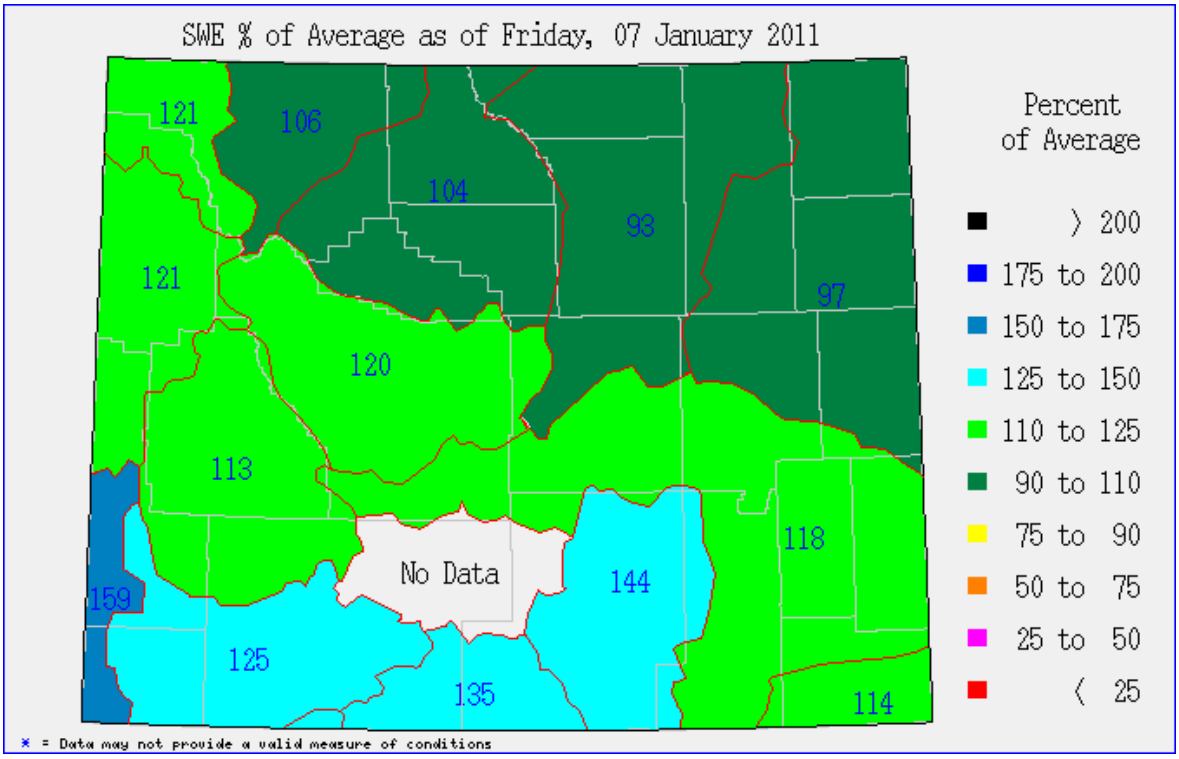

The Following Agencies and Organizations Cooperate with the Natural Resources Conservation Service on the Snow Survey Work.

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

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