

Wyoming Basin Outlook Report February 1, 2003



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

For more water supply and resource management information, contact:

Dave Taylor
Water Supply Specialist
100 East "B" Street
Casper, WY 82601
(307) 261-6481

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. 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.

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Wyoming Water Supply Outlook Report

General

Generally, snow water equivalent (SWE) across the state is below normal for this time of the year. SWE averages for the State are about 74 percent of normal for this time of the year. Precipitation for January was generally below average for the State. Year-to-date precipitation is below average for the year. Reservoir levels vary from below average to above average -- current storage is 71 percent of normal.. Generally, forecast runoff is well below average. Forecast runoff varies from 13 to 89 percent of average. Significant water shortages will occur in some parts of the State. There may be some direct diversion irrigated areas that will be significantly short of water. In some cases, reservoirs may not fill with the spring runoff.

Snowpack

Less than average, and so some cases much less than average, snowfall has occurred this past month. SWE is generally below average for the entire State. SWE in the northwestern portion of the State is now at 80 percent of average (101 percent of last year). Northeast Wyoming SWE is currently about 74 percent of average (109 percent of last year). The southeast portion is currently about 71 percent of average SWE (117 percent of last year). And the southwest is about 71 percent of average (93 percent of last year).

Precipitation

January precipitation was mixed -- varying from 47 percent above average to 53 percent below average for the month. The northern fringe of the state received above average and the percentages decreased as you continue south through the state. Some of the State had a very severe shortage of precipitation. The following table displays the major river basins and their departure from normal for this month.

| Basin | Departure from normal | Basin | Departure from normal |
|--------------------------|-----------------------|--------------------------|-----------------------|
| Snake River | -7% | Upper North Platte River | -25% |
| Yellowstone & Madison | +11% | Lower North Platte | -51% |
| Wind River | -18% | Little Snake River | -32% |
| Big Horn | -9% | Upper Green River | -20% |
| Shoshone & Clarks Fork | +47% | Lower Green River | -53% |
| Powder & Tongue River | -13% | Upper Bear River | -48% |
| Belle Fourche & Cheyenne | +39% | | |

Streams

Stream flow yield is expected to be below average across the State. Most probable yield for the State is forecast to be about 60 percent of average. The northwest part of the State is expected to yield about 65 percent of normal -- yield estimates vary from 34 to 80 percent of normal. Yield from the northeast portion of Wyoming will be below average (about 55 percent of average) -- yield estimates vary from 35 to 54 percent of average for the various forecast points. The southeast portion of the state will be about 40 percent of normal -- yield estimates range from 13 to 63 percent of normal. The southwest portion of Wyoming varies from 39 to 77 percent of average -- mean estimated yield for the forecast points in southwest Wyoming is about 60 percent of average.

Reservoirs

Although several reservoirs did not report, reservoir storage for those reporting is generally below average for this time of the year. See following table for further information about reservoir storage.

Major Reservoirs in Wyoming

1

BARE - DATA CURRENT AS OF:02/07/03 06:07:16

B A S I N W I D E R E S E R V O I R S U M M A R Y

FOR THE END OF JANUARY 2003

| BASIN AREA RESERVOIR | CURRENT AS % CAPACITY | LAST YR AS % CAPACITY | AVERAGE AS % CAPACITY | CURRENT AS % AVERAGE | CURRENT AS % LAST YR |
|---|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| <hr style="border-top: 1px dashed black;"/> | | | | | |
| WYOMING AND SURROUNDING STATES | | | | | |
| SHADEHILL | 37 | 63 | 60 | 61 | 59 |
| ANGOSTURA | 63 | 81 | 80 | 79 | 77 |
| DEERFIELD | 99 | 98 | 84 | 118 | 101 |
| PACTOLA | 84 | 96 | 83 | 101 | 88 |
| BELLE FOURCHE | 54 | 76 | 57 | 95 | 72 |
| JACKSON LAKE | 31 | 17 | 58 | 53 | 179 |
| GRASSY LAKE | 82 | 62 | 78 | 106 | 133 |
| FONTENELLE | 57 | 41 | 53 | 109 | 140 |
| BIG SANDY | 10 | 12 | 49 | 20 | 83 |
| EDEN | | | NO REPORT | | |
| PILOT BUTTE | 77 | 82 | 63 | 122 | 94 |
| BULL LAKE | 28 | 19 | 57 | 50 | 152 |
| BOYSEN | 39 | 45 | 84 | 47 | 88 |
| BUFFALO BILL | 51 | 43 | 64 | 79 | 117 |
| KEYHOLE | 60 | 80 | 53 | 114 | 75 |
| SEMINOE | 18 | 47 | 56 | 33 | 39 |
| PATHFINDER | 31 | 49 | 67 | 47 | 63 |
| ALCOVA | 85 | 85 | 84 | 101 | 99 |
| GLENDO | 35 | 56 | 66 | 53 | 62 |
| GUERNSEY | 26 | 29 | 20 | 129 | 89 |
| WHEATLAND #2 | 12 | 19 | 46 | 27 | 64 |
| PALISADES | 36 | 35 | 74 | 48 | 102 |
| HEBGEN LAKE | 78 | 76 | 71 | 110 | 102 |
| ENNIS LAKE | 73 | 70 | 76 | 96 | 103 |
| BIGHORN LAKE | 45 | 52 | 63 | 72 | 88 |
| TONGUE RIVER | 42 | 28 | 29 | 145 | 151 |
| FLAMING GORGE | 70 | 76 | 79 | 89 | 92 |
| WOODRUFF NARROWS | 12 | 7 | 44 | 28 | 175 |
| TOTAL OF 27 RESERVOIRS | 49 | 55 | 69 | 71 | 89 |

Basin Summary of Snow Course Data

BASIN SUMMARY OF SNOW COURSE DATA

FEBRUARY 2002

| SNOW COURSE | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|---|-----------|---------|---------------|------------------|--------------|------------------|
| ----- | | | | | | |
| WYOMING Snow Course and SNOTEL Stations | | | | | | |
| ALBANY | 9400 | 1/30/02 | 19 | 3.6 | 6.1 | 9.5 |
| ASTER CREEK | 7750 | 1/30/02 | 62 | 17.2 | 7.8 | 19.6 |
| BALD MOUNTAIN SNOTEL | 9380 | 2/01/02 | --- | 10.3 | 9.2 | 13.5 |
| BASE CAMP SNOTEL | 7030 | 2/01/02 | --- | 9.4 | 5.5 | 12.7 |
| BATTLE MTN. SNOTEL | 7440 | 2/01/02 | --- | 6.9 | 7.2 | 7.8 |
| BEARLODGE DIVIDE | 4680 | 1/29/02 | 4 | .5 | 3.4 | 1.8 |
| BEARTOOTH LK. SNOTEL | 9280 | 2/01/02 | --- | 13.2 | 7.4 | 16.2 |
| BEAR TRAP SNOTEL | 8200 | 2/01/02 | --- | 3.4 | 3.1 | 3.5 |
| BIG GOOSE | 7760 | | | | 1.2 | 4.0 |
| BIG GOOSE SNOTEL | 7760 | 2/01/02 | --- | 4.5 | 3.8 | --- |
| BIG PARK | 8620 | 1/29/02 | 42 | 10.0 | 7.9 | 12.3 |
| BIG SANDY SNOTEL | 9080 | 2/01/02 | 36 | 8.5 | 6.5 | 9.5 |
| BLACKWATER SNOTEL | 9780 | 2/01/02 | --- | 12.0 | 7.7 | 16.6 |
| BLIND BULL SNOTEL | 8900 | 2/01/02 | 55 | 14.5 | 9.7 | 18.4 |
| BLIND PARK SNOTEL | 6870 | 2/01/02 | --- | 3.1 | 4.7 | 5.2 |
| BLUE RIDGE | 9620 | 1/30/02 | 32 | 4.8 | 3.6 | 7.7 |
| BONE SPGS. SNOTEL | 9350 | 2/01/02 | --- | 8.1 | 6.5 | 10.6 |
| BOXELDER | 7280 | | | | 4.5 | 4.3 |
| BROOKLYN LK. SNOTEL | 10220 | 2/01/02 | --- | 7.2 | 10.5 | 15.3 |
| BRYAN FLAT | 6420 | 1/29/02 | 26 | 4.8 | 4.1 | 6.2 |
| BUCK CREEK | 7960 | 1/30/02 | 13 | 2.0 | 7.2 | 6.3 |
| BURGESS JCT. SNOTEL | 7880 | 2/01/02 | --- | 4.4 | 5.1 | 7.4 |
| BURROUGHS CRK SNOTEL | 8750 | 2/01/02 | --- | 9.1 | 4.7 | 10.1 |
| CANYON SNOTEL | 8090 | 2/01/02 | --- | 9.4 | 5.0 | 8.9 |
| CARTER MOUNTAIN | 7950 | | | | .8 | 3.0 |
| CASPER MTN. SNOTEL | 7850 | 2/01/02 | --- | 4.8 | 7.9 | 9.0 |
| CASTLE CREEK | 8400 | 1/29/02 | 17 | 2.0 | 1.1 | 3.3 |
| CCC CAMP | 7000 | 1/28/02 | 37 | 7.6 | 5.6 | 8.4 |
| CHALK CK #1 SNOTEL | 9100 | 2/01/02 | 48 | 12.6 | 10.9 | 15.3 |
| CHALK CK #2 SNOTEL | 8200 | 2/01/02 | 37 | 9.0 | 6.5 | 9.9 |
| CLOUD PEAK SNOTEL | 9850 | 2/01/02 | --- | 7.4 | 6.2 | 8.1 |
| COLD SPRINGS SNOTEL | 9630 | 2/01/02 | --- | 3.0 | 1.7 | 6.0 |
| COTTONWOOD CR SNOTEL | 7700 | 2/01/02 | --- | 12.3 | 10.6 | 14.2 |
| DARBY CANYON | 8250 | 1/30/02 | 47 | 11.7 | 12.2 | 15.9 |
| DEER PARK SNOTEL | 9700 | 2/01/02 | --- | 9.0 | 7.5 | 11.7 |
| DITCH CREEK | 6870 | 1/29/02 | 10 | 1.4 | 2.4 | 2.8 |
| DIVIDE PEAK SNOTEL | 8860 | 2/01/02 | --- | 8.7 | 9.3 | 13.0 |
| DOMELAKE SNOTEL | 8880 | 2/01/02 | --- | 6.0 | 6.1 | 7.9 |
| DU NOIR | 8760 | 1/29/02 | 23 | 3.6 | 2.4 | 5.8 |
| EAST RIM DIV SNOTEL | 7930 | 2/01/02 | --- | 6.5 | 4.9 | 8.5 |
| ELBO RANCH | 7100 | 2/01/02 | 31 | 7.0 | 3.6 | 8.0 |
| ELKHART PARK SNOTEL | 9400 | 2/01/02 | --- | 7.2 | 6.9 | 8.8 |
| EVENING STAR SNOTEL | 9200 | 2/01/02 | --- | 16.0 | 7.8 | 19.7 |

| SNOW COURSE | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|----------------------|-----------|---------|---------------|------------------|--------------|------------------|
| FOUR MILE MEADOWS | 7860 | 1/31/02 | 32 | 6.5 | 3.6 | 8.7 |
| FOXPARK | 9060 | 1/30/02 | 12 | 1.9 | 4.3 | 4.9 |
| GEYSER CREEK | 8500 | 1/29/02 | 19 | 3.4 | 1.9 | 4.8 |
| GLADE CREEK | 7040 | 1/30/02 | 48 | 12.0 | 8.6 | 16.1 |
| GRANITE CRK SNOTEL | 6770 | 2/01/02 | --- | 9.5 | 7.1 | 12.4 |
| GRANNIER MEADOWS | 8860 | 1/30/02 | 32 | 6.7 | 4.3 | 9.1 |
| GRASSY LAKE SNOTEL | 7270 | 2/01/02 | --- | 18.5 | 13.3 | 23.0 |
| GRAVE SPRINGS SNOTEL | 8550 | 2/01/02 | --- | 3.2 | 3.8 | 5.7 |
| GREYS BOUNDARY | 5720 | 1/28/02 | 35 | 8.8 | 5.9 | 8.3 |
| GROS VENTRE SNOTEL | 8750 | 2/01/02 | --- | 8.7 | 5.9 | 9.5 |
| GROVER PARK DIVIDE | 7000 | 1/28/02 | 30 | 6.4 | 3.7 | 7.5 |
| HAIRPIN TURN | 9480 | 1/30/02 | 20 | 3.7 | 7.5 | 11.1 |
| HANSEN S.M. SNOTEL | 8360 | 2/01/02 | --- | 2.8 | 2.5 | 4.2 |
| HAMS FORK SNOTEL | 7840 | 2/01/02 | --- | 7.3 | 6.0 | 8.4 |
| HASKINS CREEK | 8980 | 1/30/02 | 49 | 15.2 | 16.2 | 19.6 |
| HOBBS PARK SNOTEL | 10100 | 2/01/02 | --- | 6.3 | 4.5 | 9.8 |
| HUCKLEBERRY DIVIDE | 7300 | 1/30/02 | 44 | 10.3 | 7.5 | 14.2 |
| INDIAN CREEK SNOTEL | 9430 | 2/01/02 | --- | 14.6 | 10.9 | 17.6 |
| JACKPINE CREEK | 7350 | 1/30/02 | 51 | 13.2 | 9.7 | 14.7 |
| KELLEY R.S. SNOTEL | 8180 | 2/01/02 | --- | 9.1 | 6.6 | 10.7 |
| KENDALL R.S. SNOTEL | 7740 | 2/01/02 | --- | 7.0 | 5.0 | 9.8 |
| KIRWIN SNOTEL | 9550 | 2/01/02 | --- | 5.9 | 3.4 | 7.7 |
| LA BONTE | 8450 | | | | --- | 3.9 |
| LAKE CAMP | 7780 | 2/01/02 | 26 | 5.9 | 3.4 | 6.5 |
| LA PRELE SNOTEL | 8380 | 2/01/02 | --- | 2.9 | 7.0 | 7.3 |
| LARSEN CREEK | 9020 | | | | 5.0 | 8.4 |
| LEWIS LAKE SNOTEL | 7850 | 2/01/02 | --- | 18.9 | 9.6 | 23.1 |
| LEWIS LAKE DIVIDE | 7850 | | | | --- | 27.4 |
| LIBBY LODGE | 8750 | 1/30/02 | 16 | 2.7 | 5.7 | 7.8 |
| LITTLE BEAR RUN | 6240 | 1/29/02 | 7 | 1.1 | 3.6 | 2.6 |
| LITTLE WARM SNOTEL | 9370 | 2/01/02 | --- | 6.2 | 4.1 | 7.8 |
| LOOMIS PARK SNOTEL | 8240 | 2/01/02 | --- | 10.5 | 7.6 | 11.2 |
| LUPINE CREEK | 7380 | 1/28/02 | 28 | 4.9 | 2.9 | 6.4 |
| MALLO | 6420 | 1/29/02 | 13 | 2.1 | 6.3 | 5.2 |
| MARQUETTE SNOTEL | 8760 | 2/01/02 | --- | 3.0 | 1.8 | 5.9 |
| MEDICINE LODGE LAKES | 9340 | 1/30/02 | 22 | 4.4 | 4.1 | 7.5 |
| MIDDLE FORK | 7420 | 1/30/02 | 13 | 1.4 | 2.4 | 3.8 |
| MIDDLE POWDER SNOTEL | 7760 | 2/01/02 | --- | 3.5 | 5.0 | 7.2 |
| MORAN | 6750 | 1/31/02 | 32 | 8.0 | 5.2 | 9.3 |
| MOSS LAKE | 9800 | 1/30/02 | 26 | 6.6 | 9.8 | 15.3 |
| MOUNT TOM | 5560 | 1/31/02 | 10 | .9 | 6.8 | 3.2 |
| NEW FORK SNOTEL | 8340 | 2/01/02 | --- | 5.8 | 5.8 | 7.7 |
| NORRIS BASIN | 7500 | 1/30/02 | 27 | 6.2 | 2.9 | 7.6 |
| NORTH BARRETT CREEK | 9400 | | | | 12.1 | 12.8 |
| NORTH FRENCH SNOTEL | 10130 | 2/01/02 | --- | 13.0 | 16.2 | 18.4 |
| NORTH RAPID CK SNTL | 6130 | 2/01/02 | --- | 3.4 | 5.9 | --- |
| NORTH TONGUE | 8450 | 1/30/02 | 26 | 5.7 | 5.2 | 8.4 |
| OLD BATTLE SNOTEL | 9920 | 2/01/02 | --- | 12.4 | 14.8 | 20.0 |
| OLD FAITHFUL | 7400 | 1/30/02 | 33 | 7.4 | 3.3 | 9.5 |
| ONION GULCH | 8780 | | | | 2.0 | 5.2 |
| OWL CREEK SNOTEL | 8980 | 2/01/02 | --- | 2.0 | 1.9 | 3.4 |
| PARKERS PEAK SNOTEL | 9400 | 2/01/02 | --- | 12.5 | 9.2 | 14.8 |

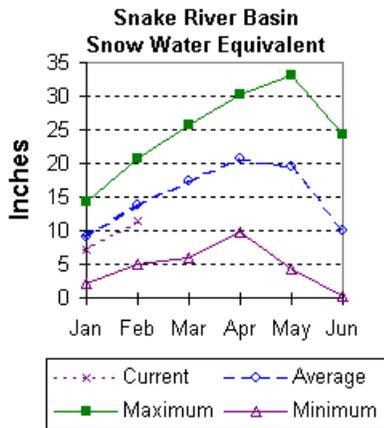
| SNOW COURSE | ELEVATION | DATE | SNOW DEPTH | WATER CONTENT | LAST YEAR | AVERAGE 71-00 |
|-----------------------|-----------|---------|---------------|------------------|--------------|------------------|
| PHILLIPS BENCH SNTL | 8200 | 2/01/02 | --- | 15.4 | 11.3 | 18.5 |
| POCKET CREEK | 9350 | 1/31/02 | 32 | 8.2 | 6.7 | 8.6 |
| POISON MEADOWS | 8500 | | | | --- | --- |
| POLE MOUNTAIN | 8700 | 1/30/02 | 20 | 2.9 | 6.3 | 6.1 |
| POWDER RVR. PASS SNTL | 9480 | 2/01/02 | --- | 6.0 | 3.7 | 7.2 |
| PURGATORY GULCH | 8970 | 1/30/02 | 21 | 6.2 | 7.0 | 7.1 |
| RANGER CREEK | 8120 | | | | 2.3 | 6.2 |
| RENO HILL SNOTEL | 8500 | 2/01/02 | --- | 4.7 | 8.1 | 8.4 |
| REUTER CANYON | 6280 | 1/31/02 | 14 | 2.5 | 14.4 | 6.5 |
| ROWDY CREEK | 8300 | 1/28/02 | 40 | 11.5 | 7.8 | 14.6 |
| RYAN PARK | 8400 | 1/30/02 | 30 | 6.5 | 7.2 | 7.4 |
| SALT RIVER SNOTEL | 7600 | 2/01/02 | --- | 7.5 | 5.2 | 9.2 |
| SAND LAKE SNOTEL | 10050 | 2/01/02 | --- | 9.8 | 15.0 | 19.9 |
| SANDSTONE SNOTEL | 8150 | 2/01/02 | --- | 4.5 | 7.0 | 9.7 |
| SAWMILL DIVIDE | 9260 | 1/30/02 | 29 | 5.8 | 5.2 | 8.8 |
| SHELL CREEK SNOTEL | 9580 | 2/01/02 | --- | 8.9 | 6.6 | 9.9 |
| SHERIDAN R.S. | 7750 | 1/29/02 | 18 | 3.1 | 1.3 | 4.1 |
| SNAKE RIVER STATION | 6920 | | | | 7.4 | 14.1 |
| SNAKE RV STA SNOTEL | 6920 | 1/30/02 | 42 | 10.3 | 6.6 | 12.6 |
| SNIDER BASIN SNOTEL | 8060 | 2/01/02 | --- | 6.3 | 5.3 | 9.8 |
| SNOW KING MTN | 7660 | 1/29/02 | 34 | 7.6 | --- | 9.8 |
| SOLDIER PARK | 8780 | 1/27/02 | 11 | 1.6 | 1.1 | 3.5 |
| SOUR DOUGH | 8460 | 1/27/02 | 14 | 2.8 | 1.8 | 4.2 |
| SOUTH BRUSH SNOTEL | 8440 | 2/01/02 | --- | 5.7 | 6.8 | 7.4 |
| SOUTH PASS SNOTEL | 9040 | 2/01/02 | --- | 8.2 | 6.2 | 11.4 |
| SPRING CRK. SNOTEL | 9000 | 2/01/02 | --- | 15.2 | 11.1 | 17.4 |
| ST LAWRENCE ALT SNTL | 8620 | 2/01/02 | --- | 2.2 | 1.7 | 4.8 |
| SUCKER CREEK SNOTEL | 8880 | 2/01/02 | --- | 5.5 | 4.9 | 7.2 |
| SYLVAN LAKE SNOTEL | 8420 | 2/01/02 | --- | 12.1 | 8.2 | 15.2 |
| SYLVAN ROAD SNOTEL | 7120 | 2/01/02 | --- | 6.4 | 4.1 | 8.8 |
| T CROSS RANCH | 7900 | 1/28/02 | 27 | 4.2 | 2.0 | 5.3 |
| TETON PASS W.S. | 7740 | 2/01/02 | 49 | 14.5 | 11.0 | 18.5 |
| THUMB DIVIDE SNOTEL | 7980 | 1/30/02 | 38 | 8.9 | 4.1 | 11.8 |
| THUMB DIVIDE | 7980 | | | | 4.2 | 12.2 |
| TIE CREEK SNOTEL | 6870 | 2/01/02 | --- | 1.9 | 2.7 | 4.0 |
| TIMBER CREEK SNOTEL | 7950 | 2/01/02 | --- | 1.2 | 1.3 | 3.6 |
| TOGWOTEE PASS SNOTEL | 9580 | 2/01/02 | 59 | 14.1 | 10.5 | 16.9 |
| TOWNSEND CRK SNOTEL | 8700 | 2/01/02 | --- | 3.2 | 3.2 | 5.6 |
| TRIPLE PEAK SNOTEL | 8500 | 2/01/02 | --- | 13.5 | 9.8 | 16.6 |
| TURPIN MEADOWS | 6900 | 1/31/02 | 29 | 5.9 | 3.1 | 7.6 |
| TWO OCEAN SNOTEL | 9240 | 2/01/02 | --- | 17.7 | 11.7 | 19.0 |
| TYRELL RANGER STA. | 8300 | 1/27/02 | 16 | 3.2 | 1.9 | 5.2 |
| UPPER SPEARFISH | 6500 | 1/28/02 | 10 | 1.8 | 5.4 | 4.7 |
| WARREN PEAK SNOTEL | 6520 | | | | --- | --- |
| WEBBER SPRING SNOTEL | 9250 | 2/01/02 | --- | 9.6 | 10.5 | 16.1 |
| WHISKEY PARK SNOTEL | 8950 | 2/01/02 | --- | 11.4 | 12.5 | 18.5 |
| WILLOW CREEK SNOTEL | 8450 | 2/01/02 | --- | 14.9 | 12.1 | 20.2 |
| WINDY PEAK SNOTEL | 7900 | 2/01/02 | --- | 1.8 | 5.3 | 4.5 |
| WOLVERINE SNOTEL | 7650 | 2/01/02 | --- | 5.0 | 4.3 | 8.6 |
| WOOD ROCK G.S. | 8440 | 1/30/02 | 22 | 4.6 | 3.6 | 6.5 |
| YOUNTS PEAK SNOTEL | 8350 | 2/01/02 | --- | 9.1 | 4.6 | 12.0 |

(d) Denotes discontinued site.

Snake River Basin (1)

Snow

The Snake River basin snow water equivalent (SWE) is below normal. Snake above Jackson Lake is 85 percent of average (103% of last year at this time). Pacific Creek is 91 percent of average (107% of last year at this time). Gros Ventre River is 76 percent of average (90% of last year at this time). Hoback River is 76 percent of average (92% of last year at this time), Greys River is 77 percent of average (93% of last year at this time). Salt River is 81 percent of average (99% of last year at this time). Snake River Basin above Palisades is 82 percent of average (99% of last year at this time). See the Basin Summary of Snow Courses at the beginning of this report for a detailed listing of snow course information.



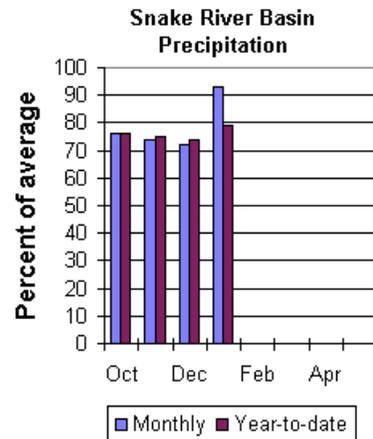
Precipitation.

Precipitation across the basin was below average last month. Monthly precipitation, for the basin, was 93 percent of average. Last months percentages range from 27 to 134 percent of average. Water-year-to-date precipitation is 79 percent of normal for the Snake River basin (91 percent of last year at this time) Year-to-date percentages range from 66 to 92 percent of average.

Reservoir.

Current reservoir storage compared to average for the three storage reservoirs in the

basin is below average. Grassy Lake storage is about 106 percent of average (12,500 acre feet compared to 9,400 last year). Jackson Lake storage is 53 percent of average (261,800 acre feet compared to 146,300 acre feet last year). Palisades Reservoir storage is about 48 percent of average (500,900 acre feet compared to 489,200 acre feet last year).



Streamflow.

The most probable runoff, based on the 50 percent chance yield, for April through September runoff is forecast below average for the basin.

The Snake near Moran is expected to yield 720,000 acre-feet (80 percent of normal). Yield from the Snake River above Palisades Reservoir is estimated to be 2,190,000 acre-feet (80 percent of normal). The 50 percent chance yield near Heise is expected to be 3,100,000 acre-feet (75 percent of normal). Pacific Creek at Moran is expected to yield about 136,000 acre-feet (76 percent of average). Greys River above Palisades Reservoir is estimated to yield 295,000 acre-feet (75 percent of normal). Salt River near Etna is estimated to have a yield of 295,000 acre-feet (70 percent of normal).

SNAKE RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|----------------------------------|-----------------|-------------------|-----------------|---------------------------------|----------|-----------------|-----------------|------------------------|
| | | Drier | | Chance Of Exceeding * | | Wetter | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (Most Probable) (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| SNAKE near Moran (1,2) | APR-SEP | 584 | 715 | 775 | 86 | 835 | 966 | 905 |
| SNAKE above Palisades (2) | APR-SEP | 2020 | 2279 | 2455 | 90 | 2631 | 2890 | 2730 |
| PALISADES RESERVOIR INFLOW (1,2) | APR-SEP | 2379 | 2978 | 3250 | 84 | 3522 | 4121 | 3870 |
| SNAKE near Heise (2) | APR-SEP | 2699 | 3146 | 3450 | 83 | 3754 | 4201 | 4160 |
| PACIFIC CREEK at Moran | APR-SEP | 115 | 135 | 149 | 84 | 163 | 183 | 178 |
| GREYS above Palisades | APR-SEP | 269 | 320 | 355 | 90 | 390 | 441 | 395 |
| SALT near Etna | APR-SEP | 256 | 324 | 370 | 88 | 416 | 484 | 420 |

| SNAKE RIVER BASIN Reservoir Storage (1000 AF) - End of January | | | | | SNAKE RIVER BASIN Watershed Snowpack Analysis - February 1, 2002 | | | |
|---|-----------------|------------------------|-----------|--------|---|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| GRASSY LAKE | 15.2 | 9.4 | 12.7 | 11.8 | SNAKE above Jackson Lake | 9 | 164 | 82 |
| JACKSON LAKE | 847.0 | 146.3 | 635.2 | 490.1 | PACIFIC CREEK | 3 | 157 | 86 |
| PALISADES | 1400.0 | 489.2 | 638.7 | 1040.3 | GROS VENTRE RIVER | 4 | 149 | 85 |
| | | | | | HOBACK RIVER | 6 | 139 | 82 |
| | | | | | GREYS RIVER | 5 | 138 | 83 |
| | | | | | SALT RIVER | 5 | 131 | 82 |
| | | | | | SNAKE above Palisades | 30 | 149 | 82 |

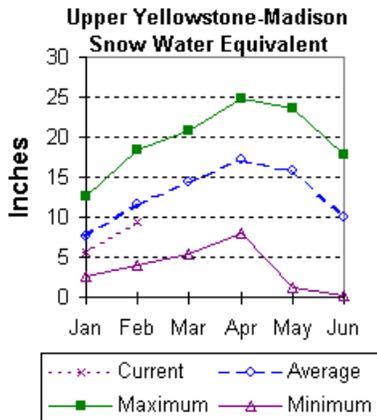
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 Yellowstone and Madison River Basins (2)

Snow

Snowfall in these basins this year has been below average for this time of the year. Snow water equivalent (SWE) is about 77 percent of average (83 percent of last year) in the Madison drainage. SWE in the Yellowstone drainage is about 84 percent of average (101 percent of last year at this time). See the "Snow Course Basin Summary" at the beginning of this document for more details on specific sites.



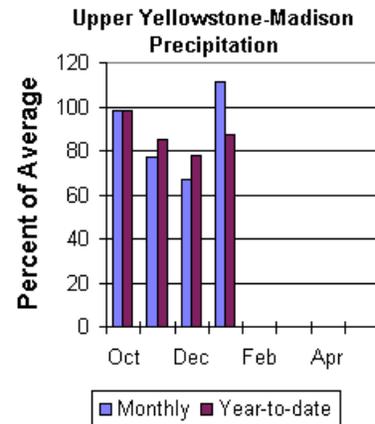
Precipitation

Last month's precipitation in the Madison and Yellowstone drainage was about 11 percent of average for the 5 reporting stations -- percentage range was from 14 to 88 percent of average. Water-year-to-date precipitation is about 94 percent of average (87 percent of last year's amount). Year to date percentage ranges from 72 to 108 percent

Reservoir

Ennis Lake is currently storing 29,900 acre feet (about 73 percent of capacity) -- 96 percent of average. Last year the reservoir was storing 28,900 acre-feet. Hebgen Lake

is storing about 292,600 acre-feet of water (78 percent of capacity) -- 110 percent of average. Last year Hebgen lake was storing 286,900 acre feet (76 percent of capacity).



Streamflow

All the following forecasts are based on the 50 percent chance runoff for the April through September runoff period. Yellowstone at Lake Outlet is expected to yield about 600,000 acre feet (75 percent of normal). Yellowstone at Corwin Springs will yield about 1,500,000 acre-feet (76 percent of normal). Yellowstone near Livingston will yield about 1,650,000 acre feet (72 percent of normal). Hebgen lake inflow is estimated to be 350,000 acre feet (70 percent of normal). See the following page for detailed runoff volumes.

UPPER YELLOWSTONE & MADISON RIVER BASINS
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|-------------------------------------|-----------------|--------------------|-----------------|--|----|-----------------|-----------------|------------------------|
| | | <<==== Drier ===== | | ===== | | Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | |
| YELLOWSTONE at Lake Outlet | APR-SEP | 475 | 567 | 630 | 78 | 693 | 785 | 805 |
| YELLOWSTONE RIVER at Corwin Springs | APR-SEP | 1171 | 1373 | 1510 | 77 | 1647 | 1849 | 1970 |
| YELLOWSTONE RIVER near Livingston | APR-SEP | 1437 | 1618 | 1740 | 76 | 1862 | 2043 | 2280 |
| HEBGEN Reservoir Inflow | APR-SEP | 323 | 375 | 410 | 82 | 445 | 497 | 500 |

| UPPER YELLOWSTONE & MADISON RIVER BASINS Reservoir Storage (1000 AF) - End of January | | | | UPPER YELLOWSTONE & MADISON RIVER BASINS Watershed Snowpack Analysis - February 1, 2002 | | | | |
|--|-----------------|------------------------|-----------|--|-------------------------|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| ENNIS LAKE | 41.0 | 28.9 | 29.6 | 31.3 | MADISON RIVER in WY | 9 | 201 | 92 |
| HEBGEN LAKE | 377.5 | 286.9 | 298.2 | 266.5 | YELLOWSTONE RIVER in WY | 12 | 165 | 83 |

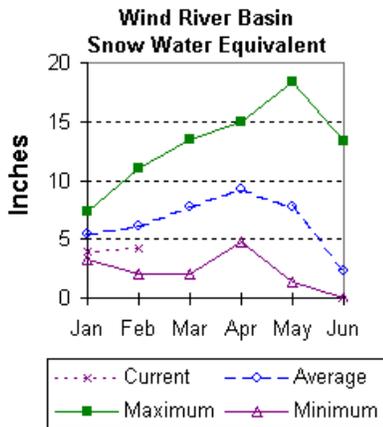
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (3)

Snow

The Wind River basin has much below average snow water equivalent (SWE) for this time of the year. SWE in the Wind River above Dubois is 79 percent of average (99 percent of last year). The Little Wind SWE is 62 percent of average water content (107 percent of last year), and the Popo Agie drainage SWE is about 58 percent of average (86 percent of last year). The Wind River basin, above Boysen Reservoir, SWE is about 70 percent of average (about 99 percent of last year). See the Basin Summary of Snow Course Data at the front of this report for details.



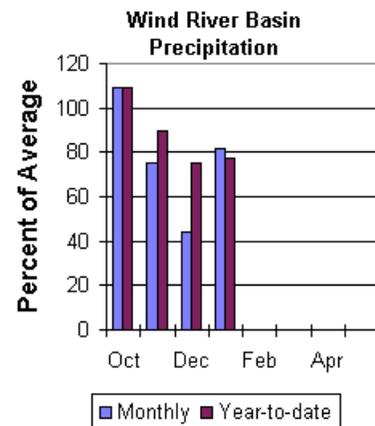
Precipitation

Last month's precipitation in the basin varied from 0 to 89 percent of average. Precipitation for the basin was about 82 percent of average for the 8 reporting stations. Water year-to-date precipitation is 77 percent of normal. The current water-year-to-date average is about 107 percent of last year at this time. Year to date figures range from 52 to 103 percent of average.

Reservoirs

Current storage varies from 47 to 122 percent of average. Bull Lake is currently storing about

43,100 acre feet (50 percent of capacity) -- normally the reservoir is at 57 percent of capacity at this time of the year. Boysen Reservoir is storing about 39 percent of capacity (234,900 acre feet) -- normally the reservoir is at 84 percent of capacity at this time of the year. Pilot Butte is storing 77 percent of capacity (24,300 acre feet) -- normally the reservoir is at 78 percent of capacity at this time of the year.



Streamflow

Water supply is estimated to be much below normal this year. The following values reflect the 50 percent chance yields for the April through September runoff period. The Wind River above Bull Lake Creek is expected to yield 375,000 acre feet (70 percent of average). Wind River at Riverton will yield about 360,000 acre feet (56 percent of average). Boysen Reservoir inflow will yield about 340,000 acre feet (42 percent of normal). Bull Lake Creek near Lenore is expected to yield about 115,000 acre feet (63 percent of average). Little Popo Agie River near Lander is expected to yield about 28,000 acre feet (53 percent of average). South Fork of Little Wind near Fort Washakie will yield about 45,000 acre feet (54 percent of average). Little Wind River near Riverton will yield about 155,000 acre feet (49 percent of average).

WIND RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | | | | |
|---------------------------------|-----------------|--|----------|----------|----------|---------------------|----------|----------|--|------------|
| | | 90% | | 70% | | 50% (Most Probable) | | 30% | | 30-Yr Avg. |
| | | (1000AF) | (1000AF) | (1000AF) | (% AVG.) | (1000AF) | (1000AF) | (1000AF) | | |
| WIND RIVER abv Bull Lake Cr (2) | APR-SEP | 232 | 308 | 360 | 67 | 412 | 488 | 535 | | |
| WIND RIVER at Riverton (2) | APR-SEP | 94 | 235 | 330 | 52 | 425 | 566 | 640 | | |
| BOYSEN RESERVOIR Inflow (2) | APR-SEP | 133 | 325 | 455 | 56 | 585 | 777 | 809 | | |
| BULL LAKE CR near Lenore (2) | APR-SEP | 51 | 83 | 105 | 58 | 127 | 159 | 182 | | |
| LT POPO AGIE RIVER nr Lander | APR-SEP | 11.1 | 20 | 26 | 49 | 38 | 56 | 53 | | |
| SF LT WIND nr Fort Washakie | APR-SEP | 19.0 | 36 | 48 | 57 | 60 | 77 | 84 | | |
| LT WIND RIVER nr Riverton | APR-SEP | 92 | 141 | 175 | 56 | 235 | 324 | 315 | | |

| WIND RIVER BASIN Reservoir Storage (1000 AF) - End of January | | | | | WIND RIVER BASIN Watershed Snowpack Analysis - February 1, 2002 | | | |
|--|-----------------|------------------------|-----------|-------|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| BULL LAKE | 151.8 | 28.3 | 62.6 | 85.9 | WIND RIVER above Dubios | 7 | 160 | 79 |
| BOYSEN | 596.0 | 87.0 | 445.5 | 592.0 | LITTLE WIND | 2 | 137 | 58 |
| PILOT BUTTE | 31.6 | 23.8 | 23.5 | 20.0 | POPO AGIE | 7 | 125 | 67 |
| | | | | | WIND above Boysen Resv | 14 | 145 | 71 |

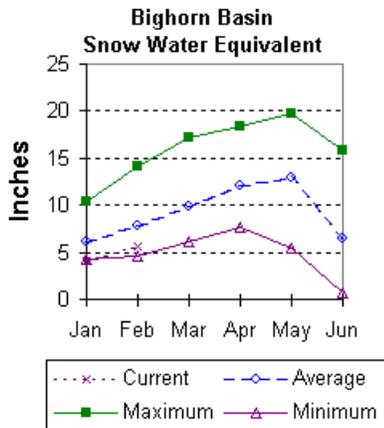
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (4)

Snow

Snowpack in this basin is well below average for this time of year. The Nowood drainage SWE is 57 percent of average (88 percent of last year). Greybull River SWE is 73 percent of average (117 percent of last year). Shell Creek SWE is 81 percent of average (105 percent of last year). The basin SWE, as a whole, is currently 71 percent of average (100 percent of last year). For more information see Basin Summary of Snow Courses at beginning of report.



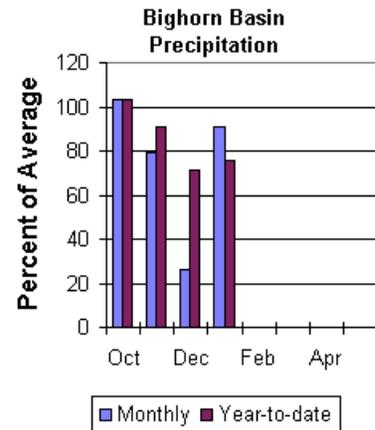
Precipitation

January precipitation was 91 percent of the monthly average (132 percent of last year). Sites ranged from 32 to 145 percent of average for the month. Year-to-date precipitation is 76 percent of normal; that is 96 percent of last year at this time. Year to date percentages, from the 10 reporting stations, range from 40 to 100.

Reservoir

Boysen Reservoir is currently storing 234,900-acre feet (47 percent of average). Bighorn

Lake is now at 72 percent of average (616,400-acre feet). Boysen is currently storing 88 percent of last year at this time and Big Horn Lake is storing 88 percent of last year's volume.



Streamflow

The 50 percent chance April through September runoff is anticipated to be below normal. The Boysen Reservoir inflow is forecast to yield 340,000 acre feet (42 percent of average); the Greybull River nr Meeteese should yield 123,000 acre feet (62 percent of average); Shell Creek near Shell should yield 50,000 acre feet (69 percent of average) and the Bighorn River at Kane should yield 375,000 acre feet (34 percent of average).

SHOSHONE & CLARKS FORK RIVER BASINS
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|------------------------------------|-----------------|--------------------|-----------------|--|----|-----------------|-----------------|------------------------|
| | | <<==== Drier ===== | | ===== | | Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | |
| NF SHOSHONE RIVER at Wapiti | APR-SEP | 255 | 309 | 345 | 66 | 381 | 435 | 520 |
| SF SHOSHONE RIVER nr Valley | APR-SEP | 95 | 128 | 150 | 57 | 172 | 205 | 265 |
| SF SHOSHONE RIVER abv Buffalo Bill | APR-SEP | 37 | 83 | 115 | 51 | 147 | 193 | 225 |
| BUFFALO BILL DAM Inflow (2) | APR-SEP | 322 | 437 | 515 | 64 | 593 | 708 | 805 |
| CLARKS FORK RIVER nr Belfry | APR-SEP | 290 | 350 | 390 | 66 | 430 | 490 | 595 |

| SHOSHONE & CLARKS FORK RIVER BASINS Reservoir Storage (1000 AF) - End of January | | | | SHOSHONE & CLARKS FORK RIVER BASINS Watershed Snowpack Analysis - February 1, 2002 | | | | |
|---|-----------------|------------------------|-----------|---|-------------------|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| BUFFALO BILL | 646.6 | 280.2 | 370.2 | 292.6 | SHOSHONE RIVER | 6 | 171 | 75 |
| | | | | | CLARKS FORK in WY | 7 | 166 | 79 |

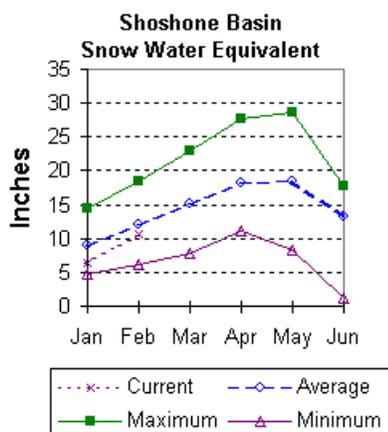
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 and Clarks Fork River Basin (5)

Snow

Snow Water Equivalent (SWE) is 85 percent of the February average (171 percent of last year) in the Shoshone River basin. The Clarks Fork River basin SWE is 92 percent of average (116 percent of last year). For more information see the Basin Summary of Snow Course Data at the beginning of this report.



Currently, about 326,700 acre-feet are stored in the reservoir compared to 280,200 acre feet last year. Detailed reservoir data is shown on the following page and on the reservoir storage summary at the beginning of this report.

Streamflow

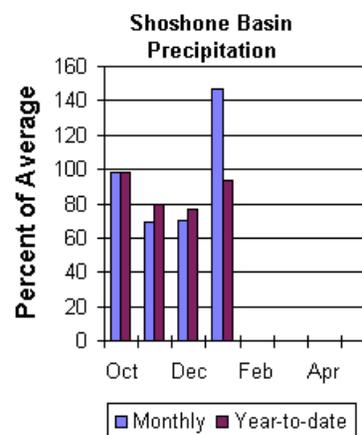
The fifty percent yield (April through September period) for North Fork Shoshone River at Wapiti is expected to be 410,000 acre-feet (79 percent of average). South Fork of the Shoshone River near Valley is estimated to yield of 175,000 acre-feet (66 percent of average), and South Fork above Buffalo Bill Reservoir is expected to be 145,000 acre-feet (64 percent of average). At the Buffalo Bill Reservoir, the fifty percent chance yield for the Shoshone River is expected to be about 595,000 acre-feet (74 percent of average). The fifty-percent chance yield for the Clarks Fork of the Yellowstone near Belfry, Montana is expected to be about 420,000 acre-feet (71 percent of average).

Precipitation

Precipitation for the month of January was 147 percent of normal. Monthly percentages range from 0 to 196 percent of average. The basin year-to-date precipitation is now 94 percent of average (116 percent of last year). Year-to-date percentages range from 82 to 108 percent of average.

Reservoir

Current storage in Buffalo Bill Reservoir is 79 percent of average (117 percent of last year's storage) – the reservoir is about 51 percent of capacity.



SHOSHONE & CLARKS FORK RIVER BASINS
Streamflow Forecasts - January 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|------------------------------------|-----------------|--------------------|-----------------|--|----|-----------------|-----------------|------------------------|
| | | <<==== Drier ===== | | ===== | | Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | |
| NF SHOSHONE RIVER at Wapiti | APR-SEP | 243 | 286 | 315 | 61 | 344 | 387 | 520 |
| SF SHOSHONE RIVER nr Valley | APR-SEP | 72 | 108 | 132 | 50 | 156 | 192 | 265 |
| SF SHOSHONE RIVER abv Buffalo Bill | APR-SEP | 26 | 77 | 112 | 50 | 147 | 198 | 225 |
| BUFFALO BILL DAM Inflow (2) | APR-SEP | 280 | 408 | 495 | 62 | 582 | 710 | 805 |
| CLARKS FORK RIVER nr Belfry | APR-SEP | 291 | 359 | 405 | 68 | 451 | 519 | 595 |

| SHOSHONE & CLARKS FORK RIVER BASINS Reservoir Storage (1000 AF) - End of December | | | | | SHOSHONE & CLARKS FORK RIVER BASINS Watershed Snowpack Analysis - January 1, 2002 | | | |
|--|-----------------|------------------------|-----------|-------|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| BUFFALO BILL | 646.6 | 234.4 | 379.0 | 299.0 | SHOSHONE RIVER | 6 | 122 | 70 |
| | | | | | CLARKS FORK in WY | 7 | 127 | 78 |

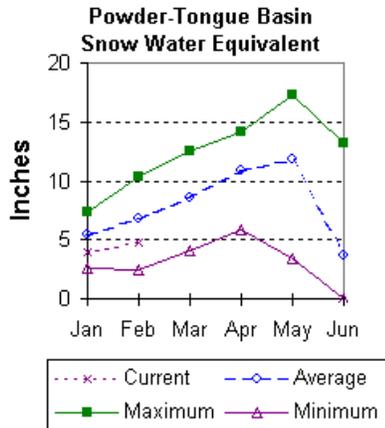
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 and Tongue River Basins (6)

Snow

Snow water equivalent (SWE) in the Upper Tongue River drainage is 79 percent of normal (110 percent of last year). The Goose Creek drainage is 79 percent of average (110 percent of last year). Clear Creek drainage is 85 percent of normal SWE (116 percent of last year). Crazy Woman Creek is 62 percent of average (82 percent of last year). The Upper Powder River drainage is 57 percent of average (78 percent of last year). The Powder River basin snow water equivalent (SWE), in Wyoming, is about 70 percent of average (96 percent of last year). For more information see Basin Summary of Snow Courses at beginning of report.



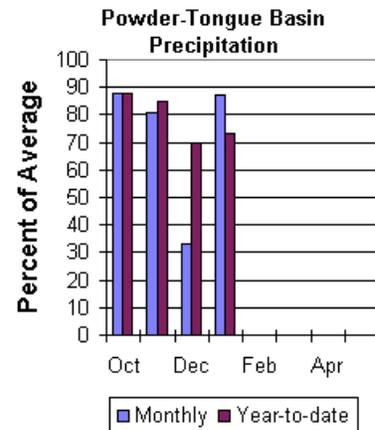
Precipitation

January precipitation was 87 percent of average for the 10 reporting stations (116 percent of last year). Monthly percentages range from 9 to 229 percent of average. Precipitation for the year ranges from 40 to 92 percent of average at the reporting stations. Year-to-date precipitation is about 73 percent of average in the basin; this is 87 percent of last year at this time.

Reservoir

Tongue River Reservoir is currently at 145 percent of average storage for this time of

year (32,900 acre feet) – the reservoir is about 42 percent of capacity (total capacity is 79,100 acre feet). Last year at this time the reservoir was storing about 21,800 acre feet – average storage is about 22,700 acre feet for this time of the 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 runoff values are for the 50 percent probability during the April through September forecast period. The estimated yield for Tongue River near Dayton is 56,000-acre feet (51 percent of normal). Middle Fork of the Powder River near Barnum is estimated to yield 6,500-acre feet (35 percent of average). The North Fork of the Powder near Hazelton should yield about 4,500 acre-feet (43 percent of normal). The estimated yield for Clear Creek near Buffalo is 20,000 acre-feet (51 percent of average). Rock Creek near Buffalo will yield about 12,200 acre-feet (51 percent of normal), and Piney Creek at Kearny should yield about 21,000 acre-feet (40 percent of average).

POWDER & TONGUE RIVER BASINS
Streamflow Forecasts - February 1, 2003

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|-------------------------------|-----------------|-----------------------|-----------------|---------------------------------|----------|----------------------|-----------------|------------------------|
| | | <<===== Drier =====>> | | Chance Of Exceeding * | | ===== Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (Most Probable) (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| TONGUE RIVER nr Dayton (2) | APR-SEP | 26 | 44 | 56 | 51 | 68 | 86 | 109 |
| MIDDLE FORK POWDER nr Barnum | APR-SEP | 4.3 | 5.6 | 6.5 | 35 | 9.6 | 14.1 | 18.7 |
| NORTH FORK POWDER nr Hazelton | APR-SEP | 1.9 | 3.4 | 4.5 | 43 | 5.6 | 7.1 | 10.4 |
| CLEAR CREEK nr Buffalo | APR-SEP | 12.0 | 17.0 | 20 | 51 | 23 | 28 | 39 |
| ROCK CREEK nr Buffalo | APR-SEP | 7.2 | 10.2 | 12.2 | 51 | 14.2 | 17.2 | 24 |
| PINEY CREEK at Kearny | APR-SEP | 5.2 | 10.0 | 21 | 40 | 32 | 47 | 52 |

| POWDER & TONGUE RIVER BASINS Reservoir Storage (1000 AF) - End of January | | | | | POWDER & TONGUE RIVER BASINS Watershed Snowpack Analysis - February 1, 2003 | | | |
|--|-----------------|------------------------|-----------|------|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| TONGUE RIVER | 79.1 | 32.9 | 21.8 | 22.7 | UPPER TONGUE RIVER | 10 | 110 | 79 |
| | | | | | GOOSE CREEK | 3 | 110 | 79 |
| | | | | | CLEAR CREEK | 4 | 116 | 85 |
| | | | | | CRAZY WOMAN CREEK | 3 | 82 | 62 |
| | | | | | UPPER POWDER RIVER | 4 | 78 | 57 |
| | | | | | POWDER RIVER in WY | 8 | 96 | 70 |

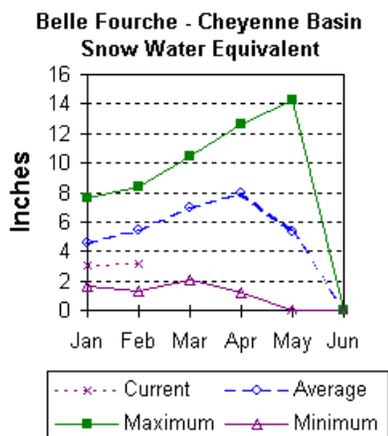
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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.

Belle Fourche and Cheyenne River Basins (7)

Snow.

The Belle Fourche River Basin snow water equivalent (SWE) is much below average.. SWE is currently 58 percent of average snow pack; 139 percent of last years amount at this time. See Basin summary of Snow Course Data at the beginning of this report for a detailed listing.



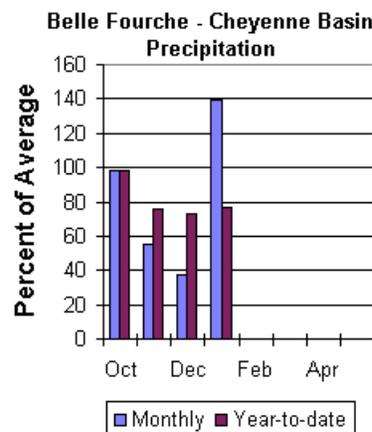
Precipitation.

Precipitation, for the month of January was 139 percent of average in the Black Hills. Monthly percentages range from 125 to 227 percent. Year-to-date precipitation is 77 percent of average and 101 percent of last year's amount.

Reservoir.

Usable reservoir storage is generally above average in the basin. Angostura is currently storing 79 percent of average

(77,100-acre feet), about 63 percent of capacity. Belle Fourche reservoir is storing 95 percent of average (96,400-acre feet), about 54 percent of capacity. Deerfield reservoir is storing 118 percent of average (15,100-acre feet), about 99 percent of capacity. Keyhole reservoir is storing 114 percent of average (116,300-acre feet), 60 percent of capacity. Pactola reservoir is storing 101 percent of average (46,200-acre feet), 84 percent of capacity. Shadehill reservoir is storing 61 percent of average (30,000-acre feet), 37 percent of capacity.



Streamflow

Water supply is estimated to be below normal this year. The following values reflect the 50 percent chance yields for the March through July runoff period. Deerfield Reservoir inflow is forecast at 5,600 acre feet (89 percent of average). Pactola is forecast at 18,300 acre feet (87 percent of average).

BELLE FOURCHE & CHEYENNE RIVER BASINS
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | |
|----------------------------|-----------------|--------------------|-----------------|---|----|-----------------|-----------------------|------------------------|
| | | <<==== Drier ===== | | Future Conditions | | | ====>> Wetter =====>> | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
| DEERFIELD RESERVOIR Inflow | MAR-JUL | 1.24 | 2.37 | 3.14 | 64 | 4.34 | 6.12 | 4.90 |
| | APR-JUL | 0.89 | 1.92 | 2.63 | 63 | 3.75 | 5.40 | 4.20 |
| PACTOLA RESERVOIR Inflow | MAR-JUL | 1.7 | 7.4 | 11.3 | 54 | 18.5 | 29 | 21 |
| | APR-JUL | 0.9 | 6.1 | 9.7 | 51 | 16.7 | 27 | 18.9 |

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

BELLE FOURCHE & CHEYENNE RIVER BASINS
Watershed Snowpack Analysis - February 1, 2002

| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|---------------|-----------------|------------------------|-----------|-------|---------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| ANGOSTURA | 122.1 | 99.5 | 87.9 | 98.1 | BELLE FOURCHE | 7 | 28 | 42 |
| BELLE FOURCHE | 178.4 | 134.8 | 144.0 | 101.4 | | | | |
| DEERFIELD | 15.2 | 14.9 | 15.1 | 12.8 | | | | |
| KEYHOLE | 193.8 | 154.4 | 159.1 | 102.3 | | | | |
| PACTOLA | 55.0 | 52.8 | 55.0 | 45.8 | | | | |
| SHADEHILL | 81.4 | 51.0 | 40.2 | 49.1 | | | | |

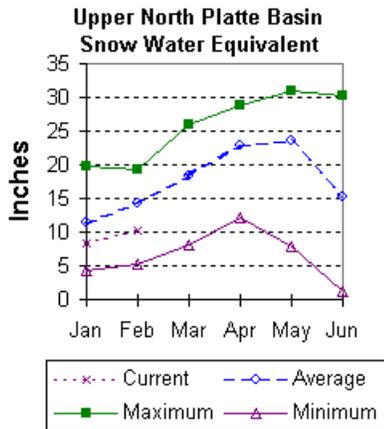
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (8)

Snow

The snow courses above Seminoe Reservoir have about 72 percent of average snow water equivalent (SWE) recorded for this time of the year (117 percent of last year). SWE in the drainage area above Northgate is about 76 percent of average and 129 percent of last year at this time. SWE in the Encampment River drainage is about 66 percent of normal and 103 percent of last year. Brush Creek SWE for the year is about 82 percent of normal and 117 percent of last year's SWE. Medicine Bow and Rock Creek drainage SWE is about 55 percent of average and 118 percent of last year at this time. For more information see Basin Summary of Snow Courses at the beginning of this report.

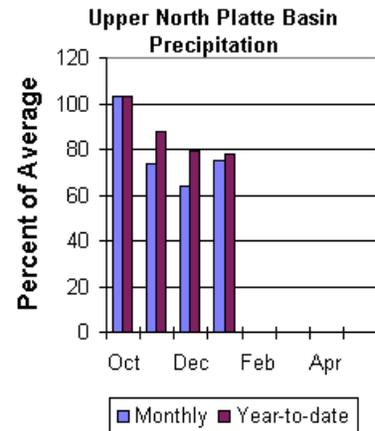


Precipitation

Eight reporting stations indicate last month's precipitation was 75 percent of average and about 141 percent of last year's amount. Precipitation varied from 3 to 99 percent of average. Total water-year-to-date precipitation is about 78 percent of average for the basin, which is about 116 percent of last year's amount. Year to date percentage ranges from 61 to 93 percent of average.

Reservoirs

Usable storage in Seminoe Reservoir is currently about 33 percent of normal for this time of the year. Currently, the reservoir is storing 39 percent of last year's amount. Seminoe Reservoir is estimated to be storing 186,700 acre-feet (18 percent of capacity). Last year, at this time, the reservoir had 480,00 acre-feet in storage.



Streamflow

All the following yields are based on the fifty percent chance April through September yield. Yield for the North Platte River near Northgate is expected to be about 148,000 acre-feet (55 percent of average). Encampment River near Encampment is estimated to yield 95,000 acre-feet (58 percent of normal). Rock Creek near Arlington is estimated to yield 36,000 acre-feet (63 percent of average). Seminoe Reservoir inflow should be about (460,000 acre-feet (54 percent of normal). See the following table for more detailed information on projected runoff.

UPPER NORTH PLATTE RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|---------------------------------|-----------------|--------------------|-----------------|--|----------|--------------------------|-----------------|------------------------|
| | | <<==== Drier ===== | | ===== Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.) | | ===== Wetter =====>>> | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (Most Probable) (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| North Platte River nr Northgate | APR-SEP | 71 | 100 | 120 | 44 | 165 | 232 | 270 |
| Encampment River nr Encampment | APR-SEP | 68 | 93 | 110 | 67 | 127 | 152 | 165 |
| Rock Creek nr Arlington | APR-SEP | 19.7 | 27 | 32 | 56 | 38 | 47 | 57 |
| Seminoe Reservoir inflow | APR-JUL | 233 | 324 | 386 | 48 | 515 | 706 | 800 |
| | APR-SEP | 278 | 363 | 420 | 49 | 537 | 710 | 860 |

| UPPER NORTH PLATTE RIVER BASIN Reservoir Storage (1000 AF) - End of January | | | | | UPPER NORTH PLATTE RIVER BASIN Watershed Snowpack Analysis - February 1, 2002 | | | |
|--|-----------------|------------------------|-----------|-------|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| SEMINOE | 1016.7 | 480.0 | 680.9 | 573.2 | N PLATTE above Northgate | 7 | 76 | 59 |
| | | | | | ENCAMPMENT RIVER | 4 | 88 | 64 |
| | | | | | BRUSH CREEK | 5 | 83 | 70 |
| | | | | | MEDICINE BOW & ROCK CREEK | 3 | 67 | 47 |
| | | | | | N PLATTE above Seminoe | 19 | 80 | 62 |

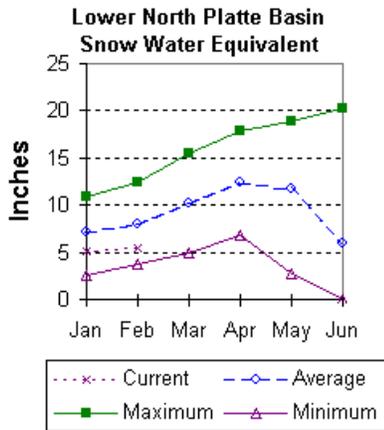
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (9)

Snow

SWE for the North Platte River basin in Wyoming averages 68 percent of normal (118 % of last year). The Sweetwater drainage SWE is currently 54 percent of average (72 percent of last year). Deer and LaPrele Creek SWE is 57 percent of average (131 percent of last year). SWE for the North Platte above the Laramie River drainage is 69 percent of average (112 % of last year). SWE for the Laramie River above the mouth is 62 percent of average (134 % of last year). SWE for the Laramie River above Laramie is 67 percent of average (136 % of last year). SWE for the Little Laramie River is 53 percent of average (135 percent of last year). For more information see Basin Summary of Snow Courses at beginning of report.



Alcova 156,800 acre feet (101 percent of average); Glendo 283,000 acre feet (53 percent of average); Guernsey 13,200 acre feet (129 percent of average); Pathfinder 502,700 acre feet (47 percent of average); Seminoe 480,000 acre feet (33 percent of average). Wheatland No.2 19,000 acre feet (27 percent of average).

Streamflow

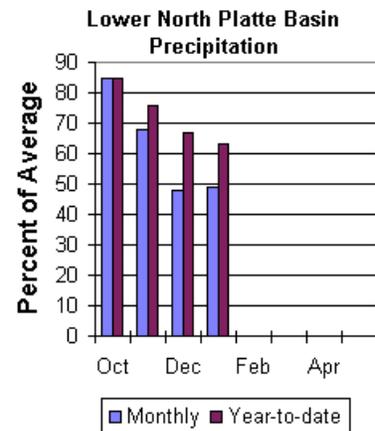
Yields from 13 to 53 percent are expected in the basin during the forecast period. The following yields are based on the fifty percent chance probability runoff for the April through September forecast period. The Sweetwater near Alcova is forecast to yield about 24,000 acre-feet (30 percent of average). Deer Creek at Glenrock is expected to yield about 13 percent of average (5,200 acre-feet). LaPrele Creek above the reservoir is estimated to yield 13 percent of average (3,000 acre-feet). North Platte River below Guernsey Reservoir is expected to yield about 42 percent of normal (425,000 acre-feet), and below Glendo Reservoir is anticipated to yield about 42 percent of average (415,000 acre-feet). Laramie River near Woods should yield about 46 percent of average (62,000 acre-feet). The Little Laramie near Filmore should produce about 34,000 acre-feet (53 percent of average).

Precipitation

Of the 14 reporting stations, percentages for the month range from 0 to 61. January precipitation for the basin was 49 percent of average (91 percent of last year). The water year-to-date precipitation for the basin is currently 63 percent of average (91 percent of last year). Year to date percentages range from 52 to 77.

Reservoir

The Lower North Platte River basin reservoir storage is well below to well above average. Reservoir storage is as follows:



LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | <<==== Drier ===== Future Conditions ===== Wetter =====>> | | | | | | | | |
|--------------------------------------|-----------------|---|------|--------------|----|--|------|---------------------------|--|---------------------|
| | | 90% (1000AF) | | 70% (1000AF) | | Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.) | | 30% (1000AF) 10% (1000AF) | | 30-Yr Avg. (1000AF) |
| | | | | | | | | | | |
| Sweetwater River nr Alcova | APR-JUL | 13.6 | 26 | 35 | 47 | 53 | 81 | 74 | | |
| | APR-SEP | 15.3 | 29 | 38 | 48 | 57 | 85 | 80 | | |
| Deer Creek at Glenrock | APR-SEP | 2.7 | 4.8 | 7.0 | 17 | 12.3 | 23 | 41 | | |
| La Prele Creek ab La Prele Reservoir | APR-SEP | 1.0 | 1.8 | 4.0 | 17 | 8.5 | 19.7 | 24 | | |
| | APR-JUL | 4.0 | 9.0 | 12.0 | 8 | 50 | 107 | 152 | | |
| Alcova to Orin Gain | APR-SEP | 5.0 | 10.0 | 13.0 | 8 | 52 | 110 | 161 | | |
| | APR-JUL | 281 | 345 | 389 | 41 | 496 | 652 | 960 | | |
| North Platte River blw Glendo Reserv | APR-SEP | 281 | 347 | 392 | 40 | 504 | 670 | 990 | | |
| | APR-JUL | 254 | 330 | 382 | 39 | 515 | 710 | 970 | | |
| North Platte River blw Guernsey Resv | APR-SEP | 265 | 344 | 398 | 39 | 536 | 738 | 1010 | | |
| | APR-SEP | 40 | 62 | 78 | 58 | 105 | 144 | 135 | | |
| Little Laramie River nr Filmore | APR-SEP | 18.3 | 24 | 27 | 42 | 35 | 48 | 64 | | |

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS
Reservoir Storage (1000 AF) - End of January

LOWER NORTH PLATTE, SWEETWATER & LARAMIE RIVER BASINS
Watershed Snowpack Analysis - February 1, 2002

| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|----------------------|-----------------|------------------------|-----------|-------|---------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| ALCOVA | 184.3 | 156.8 | 156.6 | 155.0 | SWEETWATER | 3 | 133 | 74 |
| GLENDO | 506.4 | 283.0 | 283.5 | 334.9 | DEER & LAPRELE CREEKS | 3 | 43 | 44 |
| GUERNSEY | 45.6 | 13.2 | 12.8 | 9.1 | N PLATTE abv Laramie R. | 25 | 80 | 62 |
| PATHFINDER | 1016.5 | 502.7 | 728.1 | 678.3 | LARAMIE RIVER abv Laramie | 8 | 66 | 49 |
| SEMINOE | 1016.7 | 480.0 | 680.9 | 573.2 | LITTLE LARAMIE RIVER | 4 | 58 | 39 |
| WHEATLAND #2 | 98.9 | 19.0 | 34.0 | 45.3 | LARAMIE RIVER above mouth | 11 | 64 | 46 |
| NORTH PLATTE PROJ | 1062.1 | 286.6 | 584.9 | 601.0 | NORTH PLATTE | 31 | 76 | 58 |
| KENDRICK PROJECT | 1201.7 | 828.6 | 971.2 | 819.1 | | | | |
| GLENDO PROJECT USERS | 183.2 | 134.5 | 136.3 | 119.8 | | | | |

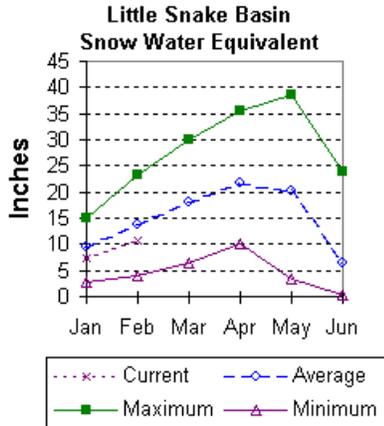
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (10)

Snow

Snowfall has been below average across the basin this year. Currently, snow water equivalent (SWE) in the Little Snake River drainage is 76 percent of average (113 percent of last year at this time). For more information see Basin Summary of Snow Courses at beginning of this report.

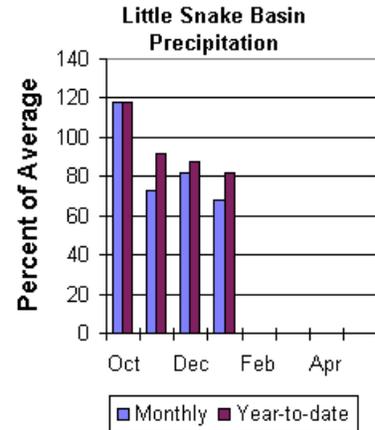


Precipitation

Precipitation across the basin was below average this past month. January precipitation was 68 percent of average (141 percent of last year) for the 5 reporting stations. January precipitation ranged from 57 to 73 percent of average. The Little Snake River basin water-year-to-date precipitation is currently 82 percent of average (114 percent of last year). Year-to-date percentages range from 76 to 97 percent of average.

Streamflow

Runoff yield in the Little Snake River drainage is expected to be below normal this year. Stream yield is based on the 50 percent probability for the April through July forecast period. The Little Snake River near Slater should yield about 100,000 acre-feet (63 percent of normal). Little Snake River near Dixon is estimated to yield 210,000 acre-feet (64 percent of normal).



LITTLE SNAKE RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | <<==== Drier ===== Future Conditions ===== Wetter =====>> | | | | | | |
|------------------------------|-----------------|---|-----------------|---------------------------------|----------|-----------------|-----------------|------------------------|
| | | Chance Of Exceeding * | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (Most Probable) (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
| Little Snake River nr Slater | APR-JUL | 56 | 75 | 90 | 57 | 106 | 132 | 159 |
| LITTLE SNAKE R nr Dixon | APR-JUL | 113 | 153 | 180 | 55 | 229 | 301 | 330 |

| LITTLE SNAKE RIVER BASIN Reservoir Storage (1000 AF) - End of January | | | | LITTLE SNAKE RIVER BASIN Watershed Snowpack Analysis - February 1, 2002 | | | | |
|--|-----------------|------------------------|-----------|--|--------------------|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| | | | | | LITTLE SNAKE RIVER | 8 | 88 | 68 |

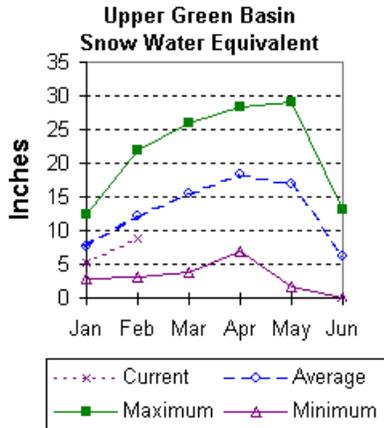
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (11)

Snow

The Green River basin SWE above Warren Bridge is 78 percent of normal (93 percent of last year). SWE on the west side of the Upper Green River basin is about 68 percent of normal, 85 percent of this time last year. Newfork River SWE is now 77 percent of normal (92 percent of last year). Big Sandy-Eden Valley SWE is about 72 percent of average (88 percent of last year). For more information see the Basin Summary of Snow Courses at the beginning of this report.



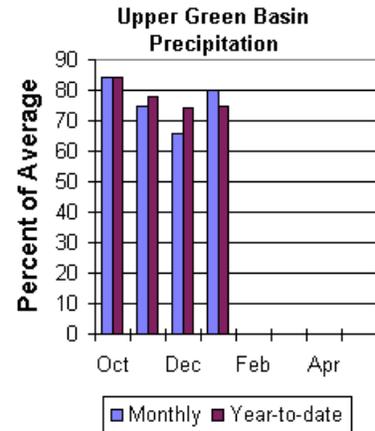
Precipitation

The 11 reporting precipitation sites in the basin were 80 percent of last month's average (133 percent of Last year). Precipitation varied from 9 to 97 percent of average. Water year-to-date precipitation is about 89 percent of average (94 percent of last year). Year to date percentage of average ranges from 59 to 89 percent for the reporting stations.

Reservoir

Big Sandy Reservoir is currently storing 3,800 acre feet (49 percent of average) -- 20 percent of last year and 10

percent of capacity. Eden Reservoir is currently below the measuring gage, Fontenelle Reservoir is storing 197,800 acre-feet (53 percent of average and 57 percent of the total capacity). Flaming Gorge Reservoir is currently storing 2,626,000 acre feet (79 percent of average) -- 109 percent of last year and 70 percent 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 forecast is based on the fifty-percent chance April through July runoff in the Upper Green River basin. Runoff is forecast to be below average. Green River at Warren Bridge is expected to yield about 200,000 acre-feet (76 percent of normal). Pine Creek above Fremont Lake is expected to yield 80,000 acre-feet (77 percent of normal). New Fork River near Big Piney is expected to yield about 255,000 acre-feet (65 percent of normal). Fontenelle Reservoir Inflow is estimated to be 510,000 acre-feet (59 percent of average), and Big Sandy near Farson is expected to be about 37,000 acre-feet (64 percent of normal).

UPPER GREEN RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|------------------------------|-----------------|-------------------|-----------------|---|----|---------------------|-----------------|------------------------|
| | | <<==== Drier ==== | | ==== | | ==== Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | |
| Green River at Warren Bridge | APR-JUL | 154 | 190 | 215 | 81 | 240 | 276 | 265 |
| Pine Creek abv Fremont Lake | APR-JUL | 64 | 75 | 82 | 79 | 89 | 100 | 104 |
| New Fork River nr Big Piney | APR-JUL | 166 | 240 | 290 | 73 | 340 | 414 | 395 |
| Fontenelle Reservoir Inflow | APR-JUL | 418 | 517 | 590 | 69 | 668 | 792 | 860 |
| Big Sandy River nr Farson | APR-JUL | 28 | 39 | 46 | 79 | 53 | 64 | 58 |

| UPPER GREEN RIVER BASIN Reservoir Storage (1000 AF) - End of January | | | | | UPPER GREEN RIVER BASIN Watershed Snowpack Analysis - February 1, 2002 | | | |
|---|-----------------|------------------------|-----------|--------|---|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| BIG SANDY | 38.3 | 3.1 | 5.5 | 18.6 | GREEN above Warren Bridge | 4 | 140 | 84 |
| EDEN | 11.8 | 0.5 | --- | 3.2 | UPPER GREEN (West Side) | 7 | 137 | 80 |
| FLAMING GORGE | 3749.0 | 2854.1 | 2992.0 | 2966.0 | NEW FORK RIVER | 3 | 109 | 84 |
| FONTENELLE | 344.8 | 141.2 | 120.4 | 182.2 | BIG SANDY/EDEN VALLEY | 1 | 131 | 89 |
| | | | | | GREEN above Fontenelle | 14 | 132 | 82 |

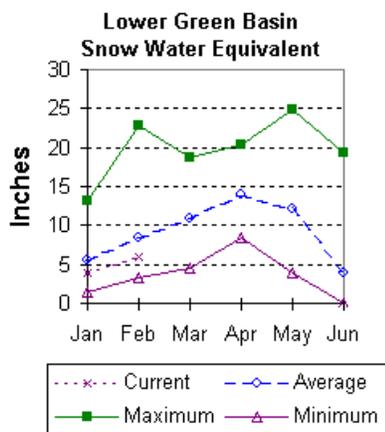
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (12)

Snow

The Lower Green River Basin drainage's are below average. SWE in the Hams Fork, as of February 1, is 64 percent of average (77% of last year). Blacks Fork SWE is currently 63 percent of average (89 percent of last year). The Henry's Fork is currently 62 percent of average (90 percent of last year). The basin, as a whole, is 70 percent of average (86 percent of last year). For more information see Basin Summary of Snow Courses at beginning of this report.

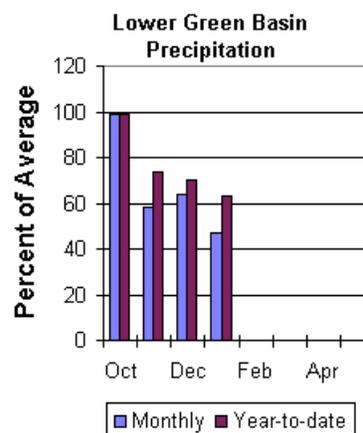


Precipitation

Precipitation was below average for the month (47 percent) for the 3 reporting stations during January. Precipitation ranged from 10 to 54 percent of average for the month. The basin year-to-date precipitation is currently 63 percent of average (82 percent of last year). Year to date percentages range from 57 to 79.

Reservoir

Fontenelle Reservoir is currently storing 197,800 acre feet; this is 109 percent of average (140 percent of last year). Flaming Gorge is currently storing 2,626,000 acre feet, this is 89 percent of average (92 percent of last year). Viva Naughton is currently storing 24,600 acre feet; this is 81 percent of average.



Streamflow

Expected yields vary from 53 to 59 percent of average across the basin. The following forecast values are based on a 50 percent chance probability for the April through July forecast period. Green River near Green River is forecast to yield about 515,000-acre feet (59 percent of average). Blacks Fork near Robertson is forecast to yield 55,000-acre feet (58 percent of average). East Fork of Smiths Fork near Robertson is estimated to yield 17,000 acre-feet (55 percent of average). The estimated yield for Hams Fork near Frontier is 37,000-acre feet (57 percent of average). Viva Naughton Reservoir inflow will be about 47,000-acre feet (53 percent of average). Flaming Gorge Reservoir inflow will be about 650,000-acre feet (55 percent of average).

LOWER GREEN RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|-------------------------------------|-----------------|--------------------|-----------------|--|----|-----------------------|-----------------|------------------------|
| | | <<==== Drier ===== | | ===== | | ====>> Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | |
| Green River nr Green River, WY | APR-JUL | 338 | 494 | 600 | 69 | 706 | 862 | 875 |
| Blacks Fork nr Robertson | APR-JUL | 43 | 54 | 62 | 65 | 74 | 92 | 95 |
| EF of Smiths Fork nr Robertson | APR-JUL | 14.2 | 16.9 | 19.0 | 61 | 21 | 25 | 31 |
| Hams Fk blw Pole Ck nr Frontier | APR-JUL | 25 | 36 | 45 | 69 | 55 | 70 | 65 |
| Hams Fk Inflow to Viva Naughton Res | APR-JUL | 21 | 43 | 58 | 65 | 73 | 95 | 89 |
| Flaming Gorge Reservoir Inflow | APR-JUL | 403 | 622 | 770 | 65 | 918 | 1137 | 1190 |

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

LOWER GREEN RIVER BASIN
Watershed Snowpack Analysis - February 1, 2002

| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|-------------------|-----------------|------------------------|-----------|--------|---------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| FONTENELLE | 344.8 | 141.2 | 120.4 | 182.2 | HAMS FORK RIVER | 4 | 131 | 84 |
| FLAMING GORGE | 3749.0 | 2854.1 | 2992.0 | 2966.0 | BLACKS FORK | 2 | 90 | 71 |
| VIVA NAUGHTON RES | 42.4 | 28.3 | --- | 30.3 | HENRYS FORK | 2 | 70 | 69 |
| | | | | | GREEN above Flaming Gorge | 21 | 125 | 81 |

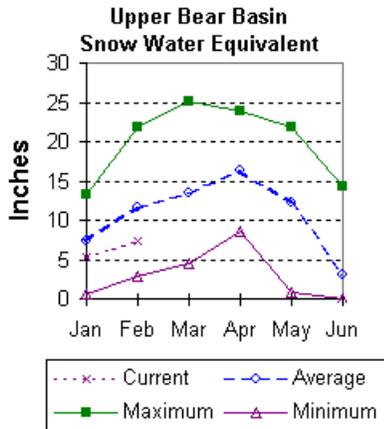
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (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 (13)

Snow

Snow water equivalent (SWE), at snow courses in the Bear River above the Idaho State line, is 62 percent of average (74 percent of last year). SWE for the Bear River in Utah is estimated to be 65 percent of average; that is about 80 percent of last year at this time. SWE in the Wyoming portion of the Bear River drainage (Smiths and Thomas Forks) is estimated at 64 percent of average (78 percent of last year at this time.). See the Basin Summary of Snow Course Data at the beginning of this report for more detailed information.



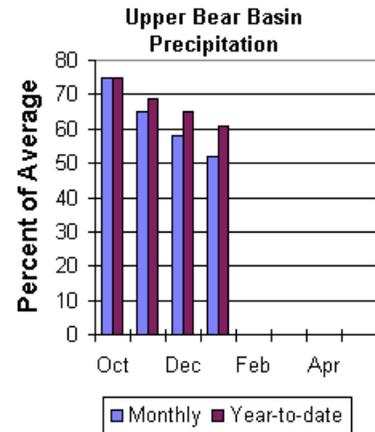
Current storage is 28 percent of average, and 175 percent of last year's amount.

Precipitation

Precipitation for last month was 52 percent of average for the 2 reporting stations. The year-to-date precipitation, for the basin, is 61 percent of average; this is 79 percent of last year's amount.

Reservoir

Woodruff Narrows reservoir is currently storing 7,000 acre feet (12 percent of capacity). Normally, the reservoir is storing 44 percent of capacity at this time of the year.



Streamflow

The following is based on the 50 percent chance stream flow yields are for the April through September period. Smiths Fork near Border is estimated to yield 69,000 acre-feet (59 percent of normal). Bear River above the Utah-Wyoming State Line is expected to yield about 79,000 acre feet (63 percent of average), Woodruff Narrows Reservoir inflow is expected to be about 56,000 acre-feet (about 39 percent of normal).

UPPER BEAR RIVER BASIN
Streamflow Forecasts - February 1, 2002

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|----------------------------|-----------------|-----------------------|-----------------|---------------------------------|-----------------|-----------------|-----------------------------------|------------------------|
| | | <<===== Drier =====>> | | ===== Wetter =====>> | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (Most Probable) (1000AF) | 30% (1000AF) | 10% (1000AF) | Chance Of Exceeding * (% AVG.) | |
| SMITHS FK nr Border, WY | APR-SEP | 62 | 78 | 91 | 77 | 107 | 134 | 118 |
| Bear R nr UT-WY State Line | APR-SEP | 72 | 88 | 100 | 80 | 114 | 139 | 125 |
| BEAR R nr Woodruff, UT | APR-SEP | 63 | 92 | 118 | 77 | 152 | 220 | 154 |

| UPPER BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of January | | | | | UPPER BEAR RIVER BASIN Watershed Snowpack Analysis - February 1, 2002 | | | |
|--|-----------------|------------------------|-----------|------|--|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| WOODRUFF NARROWS | 57.3 | 4.0 | 8.0 | 25.2 | UPPER BEAR RIVER in Utah | 5 | 116 | 81 |
| | | | | | SMITHS & THOMAS FORKS | 4 | 135 | 83 |
| | | | | | BEAR RIVER abv ID line | 7 | 130 | 83 |
| | | | | | NORTHWEST | 76 | 155 | 79 |
| | | | | | NORTHEAST | 21 | 86 | 67 |
| | | | | | SOUTHEAST | 34 | 78 | 61 |
| | | | | | SOUTHWEST | 30 | 112 | 76 |

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

- (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.