

Colorado Basin Outlook Report March 1, 2011



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

For more water supply and resource management information, contact:

Michael A. Gillespie
Data Collection Office Supervisor
USDA, Natural Resources Conservation Service
Denver Federal Center, Bldg 56, Rm 2604
PO Box 25426
Denver, CO 80225-0426
Phone (720) 544-2852

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 above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

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Colorado

Water Supply Outlook Report

March 1, 2011

Summary

For most of Colorado the outlook for spring and summer water supplies remains good to excellent. Snowpack conditions continue to track at above average levels across the central and northern basins. Reservoir storage also remains in good condition with near average volumes in most basins. The only exception to the above can be found across southern Colorado, where two consecutive dry months have diminished snowpack totals to below average and any significant surplus reservoir storage is scarce. Runoff forecasts call for average to well above average runoff throughout the central and northern basins of the state, with consistently below average runoff anticipated in the southern Colorado basins. Hope still remains for improvements in the south, but as the snow accumulation season winds down, their chances for recovery are slipping away.

Snowpack

After experiencing a fairly dry January, snowfall across most of Colorado's mountains returned to near average during February. For the first time this season there was a storm cycle which favored the Sangre de Cristo Mountains along with the Rio Grande basin during February. Snowpack percentages in those areas improved somewhat as a result, but still remain consistently below average. Generally below average snowfall occurred across southwestern Colorado, resulting in a second month of decreasing snowpack percentages in the combined San Juan, Animas, Dolores and San Miguel basins. Snowpack totals in these basins have now decreased to below average at 97%. Elsewhere across the state, snowpack totals continue to track above average. This includes the Gunnison, Colorado, Yampa, North and South Platte basins. While snowpack percentages in these basins are significantly lower than earlier this winter, the current statistics continue to bode well for 2011 water supplies. Colorado's statewide snowpack as of March 1 was 115% of average, making this the third consecutive month with above average statewide percentages and the highest March 1 percentage since 2008. Continuing with this year's trend, snowpack totals remain well above those of last year across the Gunnison, Colorado, Yampa and North and South Platte basins. Statewide totals are an impressive 131% of last year's statewide readings. With about one quarter of the winter snowpack season remaining, attention turns to the southern basins which are facing decreasing chances of recovery by the typical maximum snowpack date in early April.

Precipitation

February brought a mixture of precipitation totals to Colorado's high country, but was significantly improved over those recorded in January. Basinwide totals which exceed the average mark were reported in all basins except the combined San Juan, Animas, Dolores and San Miguel (at 77% of average) and the Gunnison (at 97% of average). Statewide totals for all Colorado SNOTEL sites registered 103% of average for February and marked the fourth month of above average totals for the first five months of the water year. Statewide water year totals are now at 118% of average. Basinwide water year totals are now above average in all basins except the Arkansas (at 96% of average) and the Rio Grande (at 90% of average). The South Platte basin is reporting the highest water year percentage in the state at 130% of average. This is the only basin in the state which can now boast above average monthly totals for all five months of the 2011 water year.

Reservoir Storage

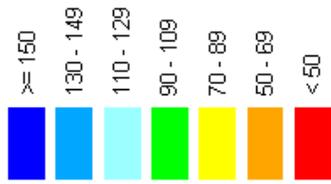
Colorado's reservoir storage continues to run just slightly above the long-term average. Statewide storage was 104% of average on March 1 and is 100% of last year's volumes on this same date. Basinwide volumes range from 82% of average in the Rio Grande Basin to 114% of average in the Colorado Basin. Volumes remain at or above average in all basins except the Yampa, Arkansas and Rio Grande. In terms of volume, February was the fourth consecutive month with an increase in stored water in the state. Currently, statewide storage has exceeded the average mark by 128,000 acre feet. Nearly all that surplus is currently being stored in the Colorado and Gunnison basins. Even with the near to above average storage across most of the state, all basins remain well below the available storage capacity, with plenty of room for this spring's runoff. Statewide storage is at 58% of capacity with the ability to store more than 2.5 million acre feet of runoff. While it's doubtful that capacity will be reached in all basins, most basins have a good chance of reaching near capacity with continued good snowfall for the remainder of the winter.

Streamflow

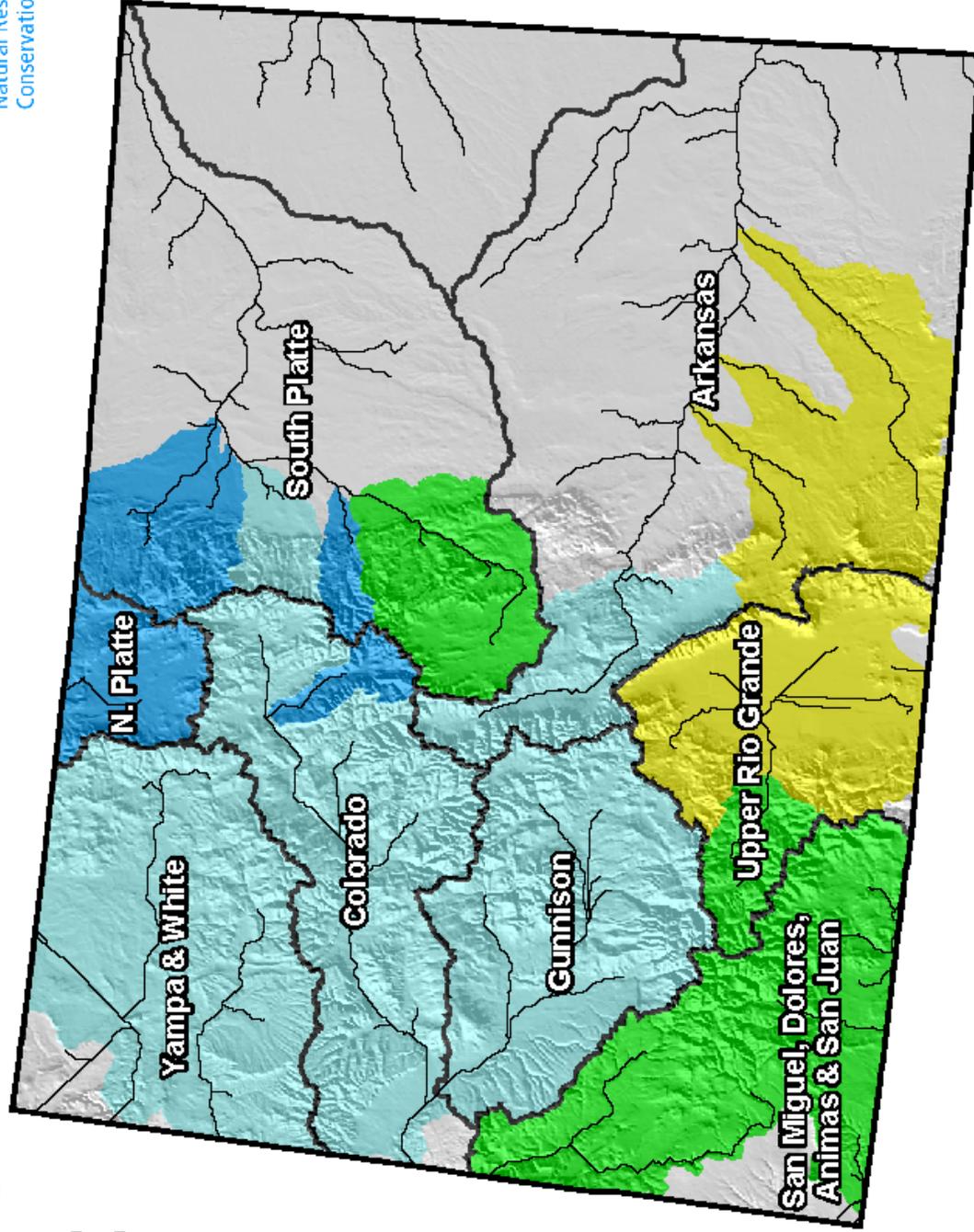
Where snowpack totals are above average, the outlook for summer water supplies is virtually certain for at least near average volumes this year. Current streamflow forecasts are consistently above average throughout the Yampa, Colorado and North Platte basins. Volumes of about 120% to nearly 150% of average are currently forecast for the spring and summer months in these basins. Runoff forecasts decrease slightly throughout the Gunnison, South Platte and the Arkansas headwaters. For most forecast points in these basins, expectations range from 90% to 120% of average. Prospects continue to decline towards the south, with runoff forecasts dropping to as low as 40% to 70% of average along those streams originating from the southern portion of the Sangre de Cristo Mountains. These streams have the lowest runoff forecasts in the state. Elsewhere across southern Colorado below average forecasts are the norm. Volumes generally range from 70% to 90% of average throughout the Rio Grande, San Juan, Animas, Dolores, and San Miguel basins. Water users in these basins should begin planning for possible shortages, especially during the later summer months.

Colorado Snowpack Map

Percent of Average



*Provisional Data
Subject to Revision*

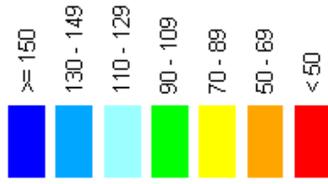


Current as of March 1, 2011

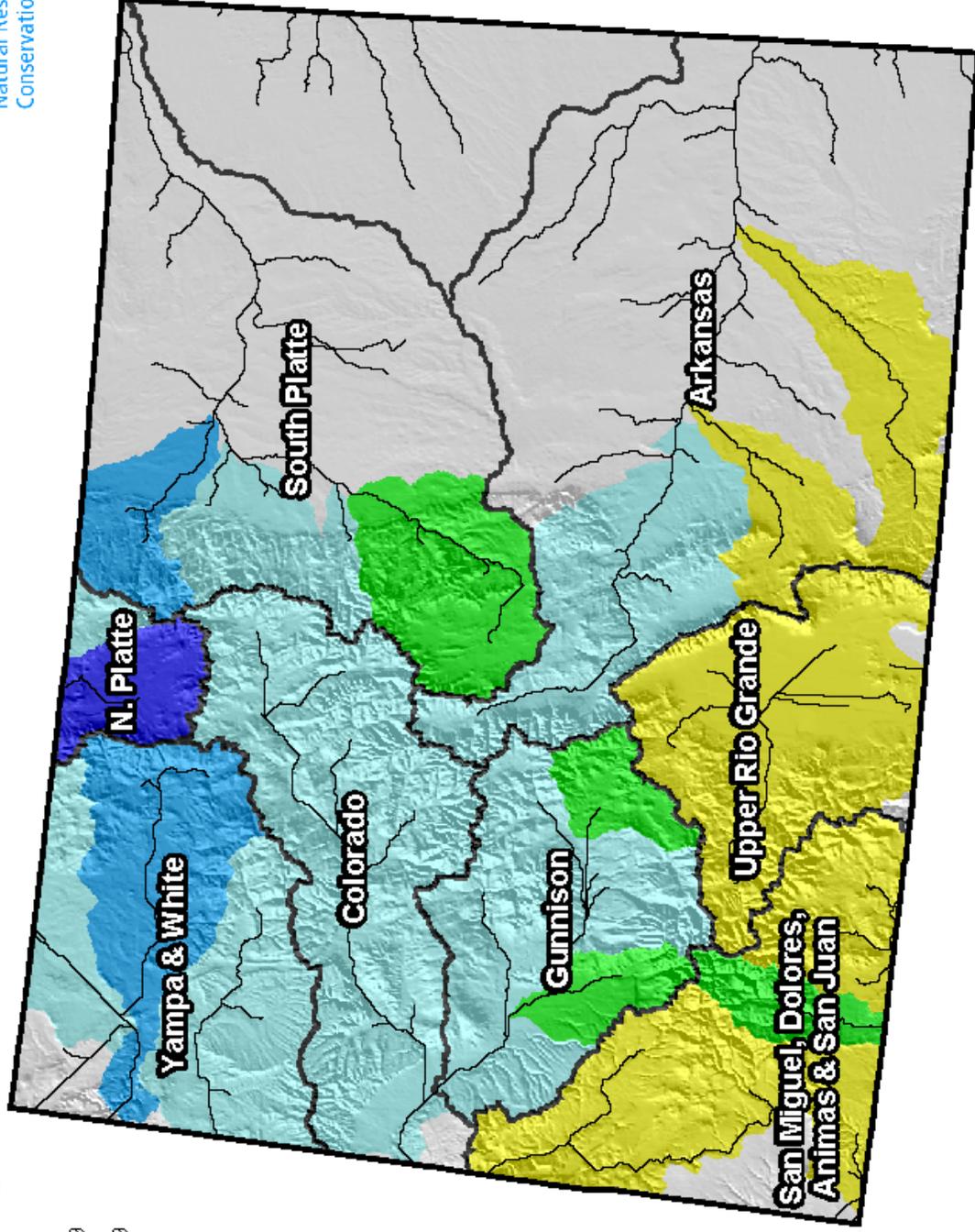
Colorado Streamflow Forecast Map



Percent of Average



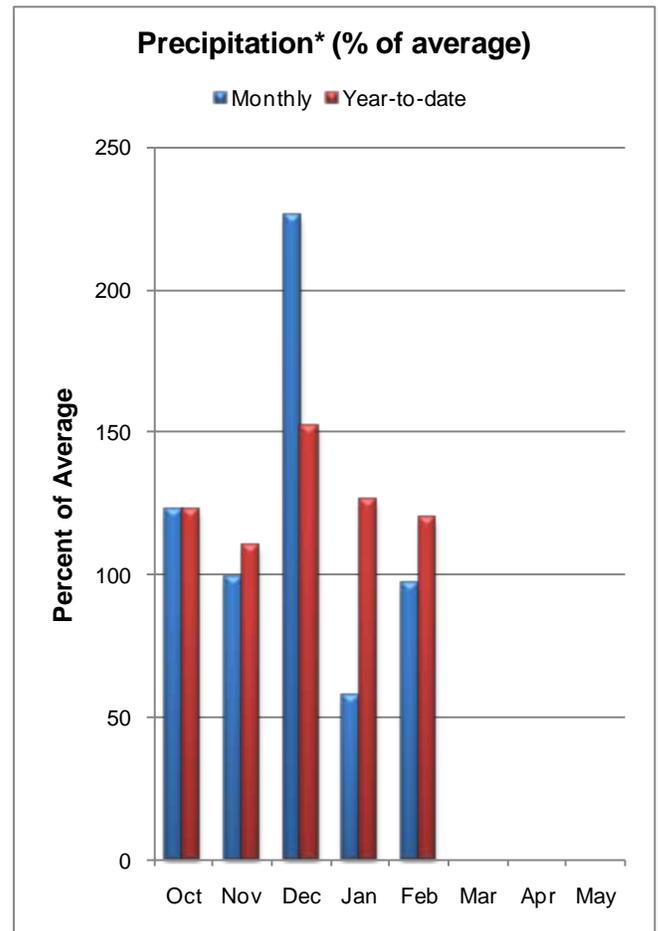
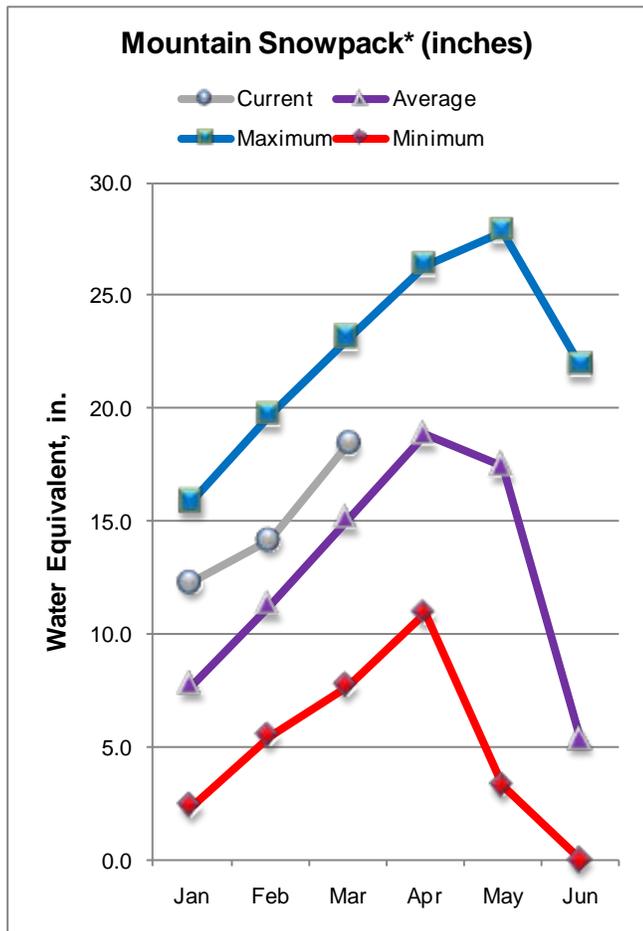
*Provisional Data
Subject to Revision*



Current as of March 1, 2011

GUNNISON RIVER BASIN

as of March 1, 2011



*Based on selected stations

As a result of near normal conditions, the Gunnison River Basin snowpack saw only a minor drop from 126 percent of average last month to 122 percent of average on March 1. This is still 30 percent higher than the snowpack measured last year at this time. Looking back, this is the third highest March 1 snowpack percentage going back to 1997 behind 2005 and 2008 which were 133 and 151 percent of average, respectively. Sub-basin snowpacks gave a little ground over the past month dropping anywhere from 3 to 13 percentage points. Despite that, they remain above average, ranging from 114 percent of average in the Uncompahgre Watershed to 130 percent of average in the Surface Creek Watershed. Mountain precipitation during February was just slightly below normal at 97 percent of average, making it the second month in a row the basin has had below average monthly precipitation. Total precipitation for the water year dropped from 126 percent of average last month to 120 percent of average currently. However, the total is 26 percent higher than the water year total at this time last year. Reservoir levels are about the same as they were this time last year and are 13 percent higher than average. Streamflow forecasts call for near average to above average runoff at all forecast points within the basin. April-July volumes are expected to range from slightly below average for Cochetopa Creek near Parlin and Tomichi Creek at Gunnison (92 and 99 percent of average, respectively) to 126 percent of average for the Inflow to Paonia Reservoir.

GUNNISON RIVER BASIN
Streamflow Forecasts - March 1, 2011

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|-----------------------------------|-----------------|--------------------|-----------------|--|----------|-------------------------|-----------------|------------------------|
| | | <<==== Drier ===== | | ===== Chance Of Exceeding * 50% (1000AF) (% AVG.) | | ===== Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| Taylor Park Reservoir Inflow (2) | APR-JUL | 90 | 107 | 120 | 117 | 134 | 155 | 103 |
| Slate R nr Crested Butte | APR-JUL | 84 | 93 | 99 | 111 | 106 | 116 | 89 |
| East R at Almont | APR-JUL | 179 | 210 | 230 | 120 | 255 | 290 | 192 |
| Gunnison R near Gunnison (2) | APR-JUL | 345 | 410 | 460 | 118 | 510 | 590 | 390 |
| Tomichi Ck at Sargents | APR-JUL | 22 | 29 | 35 | 109 | 41 | 52 | 32 |
| Cochetopa Ck bl Rock Ck nr Parlin | APR-JUL | 8.6 | 12.6 | 16.0 | 93 | 19.9 | 27 | 17.3 |
| Tomichi Ck at Gunnison | APR-JUL | 41 | 62 | 80 | 99 | 101 | 137 | 81 |
| Lake Fk at Gateview | APR-JUL | 97 | 116 | 130 | 103 | 145 | 168 | 126 |
| Blue Mesa Reservoir Inflow (2) | APR-JUL | 590 | 710 | 800 | 111 | 895 | 1040 | 720 |
| Paonia Reservoir Inflow (2) | MAR-JUN | 89 | 110 | 126 | 126 | 143 | 170 | 100 |
| | APR-JUL | 87 | 111 | 129 | 127 | 149 | 180 | 102 |
| NF Gunnison R nr Somerset (2) | APR-JUL | 285 | 335 | 370 | 121 | 410 | 465 | 305 |
| Surface Ck at Cedaredge | APR-JUL | 14.7 | 18.3 | 21 | 123 | 24 | 29 | 17.1 |
| Ridgway Reservoir Inflow (2) | APR-JUL | 71 | 91 | 105 | 103 | 120 | 145 | 102 |
| Uncompahgre R at Colona (2) | APR-JUL | 81 | 114 | 140 | 101 | 168 | 215 | 139 |
| Gunnison R nr Grand Junction (2) | APR-JUL | 1200 | 1500 | 1750 | 112 | 2020 | 2300 | 1560 |

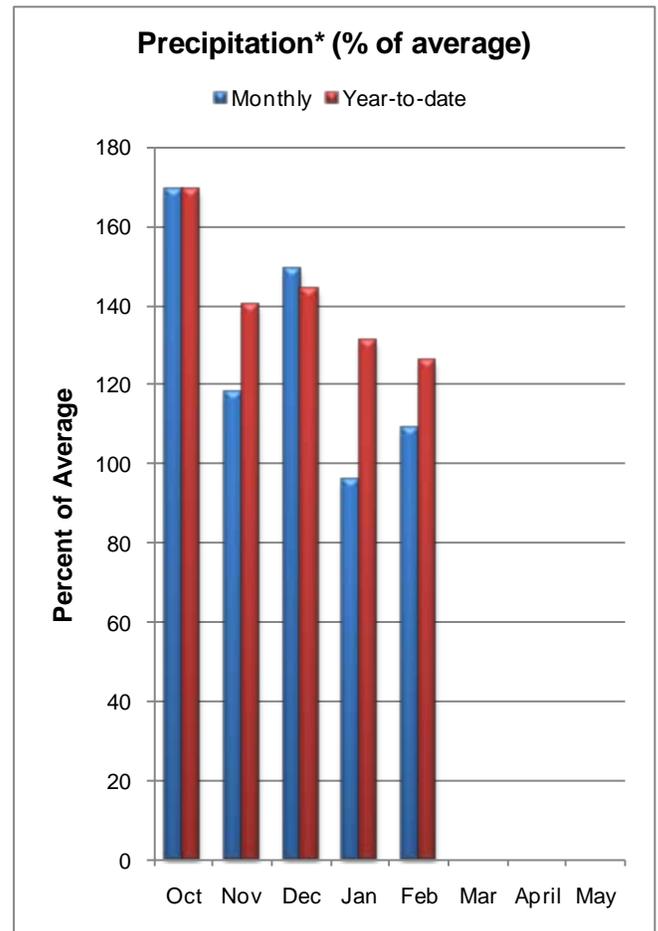
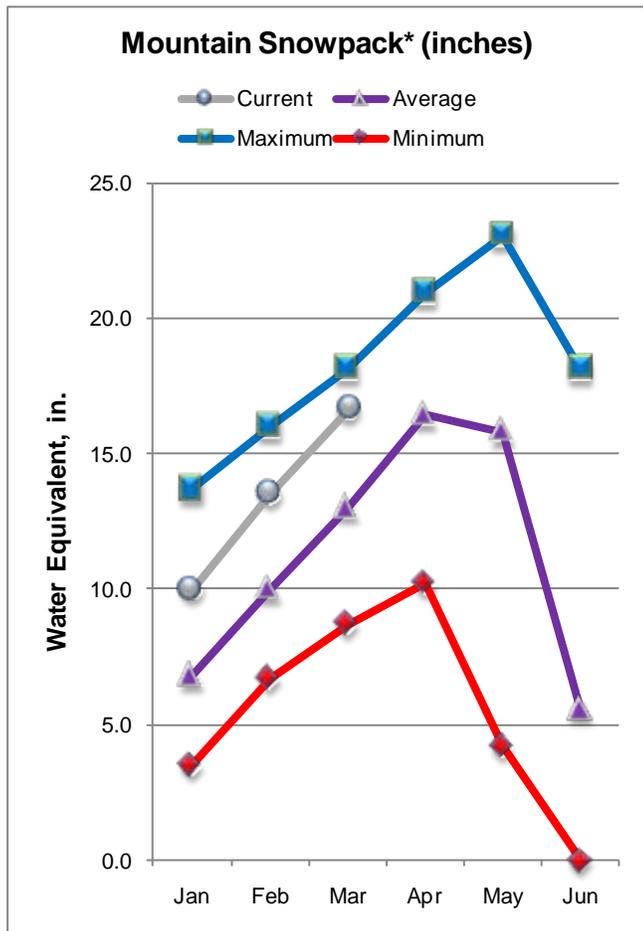
| GUNNISON RIVER BASIN Reservoir Storage (1000 AF) - End of February | | | | | GUNNISON RIVER BASIN Watershed Snowpack Analysis - March 1, 2011 | | | |
|---|-----------------|------------------------|-----------|-------|---|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| BLUE MESA | 830.0 | 531.2 | 545.2 | 446.5 | UPPER GUNNISON BASIN | 15 | 134 | 125 |
| CRAWFORD | 14.0 | 6.5 | 6.1 | 9.2 | SURFACE CREEK BASIN | 3 | 137 | 130 |
| FRUITGROWERS | 3.6 | 3.3 | 3.6 | 3.7 | UNCOMPAHGRE BASIN | 4 | 116 | 114 |
| FRUITLAND | 9.2 | 3.2 | 0.9 | 2.1 | TOTAL GUNNISON RIVER BASIN | 19 | 130 | 122 |
| MORROW POINT | 121.0 | 110.7 | 106.8 | 113.4 | | | | |
| PAONIA | 15.4 | 0.6 | 0.9 | 4.9 | | | | |
| RIDGWAY | 83.0 | 67.4 | 65.6 | 60.5 | | | | |
| TAYLOR PARK | 106.0 | 74.0 | 64.5 | 65.5 | | | | |

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

The average is computed for the 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 COLORADO RIVER BASIN as of March 1, 2011



*Based on selected stations

The snowpack in the Upper Colorado River Basin dropped, in terms of percentages, for the third consecutive month, falling from 135 percent of average on February 1 to 128 percent of average on March 1. On the bright side, the snowpack remains above average and is 164 percent of the snowpack present last year at this time. It also ties the snowpack measured in 2008 as the highest March 1 percentage since 1997. Above average to well above average snowpacks can be found in all the sub-basins, ranging from 121 percent of average in the Williams Fork Watershed to 139 percent of average in the Willow Creek Drainage. While all the sub-basin snowpacks took a little hit over the past month, the largest percentage point drop was in the Blue River Watershed which fell from 145 percent of average on February 1 to 131 percent of average on March 1. SNOTEL data indicates mountain precipitation during February was 109 percent of average and 113 percent of the February 2010 readings. Total precipitation for the water year which began October 2010 is 130 percent of average. Storage in the eight reservoirs monitored is above normal at 114 percent of average and slightly above the storage available a year ago. Water users can expect above average to well above average runoff throughout the entire basin. Streamflow volumes for the April-July period are expected to range from 117 percent of average for the Inflow to Ruedi Reservoir to over 135 percent of average for the Inflow to Lake Granby and the Inflow to Willow Creek Reservoir.

UPPER COLORADO RIVER BASIN
Streamflow Forecasts - March 1, 2011

| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | | 30-Yr Avg. (1000AF) |
|--------------------------------------|-----------------|--|----------|----------|----------|----------|----------|------------------------|
| | | 90% | | 50% | | 10% | | |
| | | (1000AF) | (1000AF) | (1000AF) | (% AVG.) | (1000AF) | (1000AF) | |
| Lake Granby Inflow (2) | APR-JUL | 230 | 275 | 305 | 136 | 340 | 390 | 225 |
| Willow Ck Reservoir Inflow (2) | APR-JUL | 50 | 60 | 70 | 137 | 81 | 99 | 51 |
| Williams Fk Reservoir Inflow (2) | APR-JUL | 84 | 102 | 115 | 121 | 129 | 151 | 95 |
| Dillon Reservoir Inflow (2) | APR-JUL | 154 | 186 | 210 | 126 | 235 | 275 | 167 |
| Green Mountain Reservoir Inflow (2) | APR-JUL | 255 | 310 | 350 | 125 | 390 | 460 | 280 |
| Muddy Ck bl Wolford Mtn Reservoir nr | APR-JUL | 54 | 69 | 80 | 133 | 92 | 111 | 60 |
| Eagle R bl Gypsum (2) | APR-JUL | 290 | 355 | 400 | 119 | 450 | 525 | 335 |
| Colorado R nr Dotsero (2) | APR-JUL | 1370 | 1600 | 1820 | 126 | 2050 | 2430 | 1440 |
| Ruedi Reservoir Inflow (2) | APR-JUL | 122 | 147 | 165 | 117 | 184 | 215 | 141 |
| Roaring Fk at Glenwood Springs (2) | APR-JUL | 665 | 775 | 850 | 120 | 930 | 1060 | 710 |
| Colorado R nr Cameo (2) | APR-JUL | 2300 | 2670 | 3020 | 125 | 3390 | 3900 | 2420 |

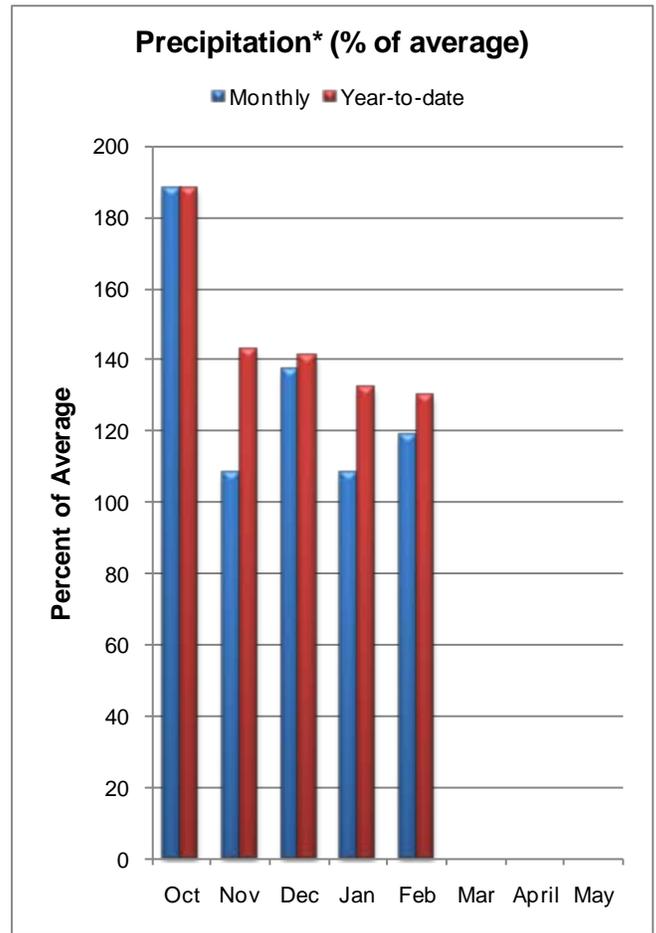
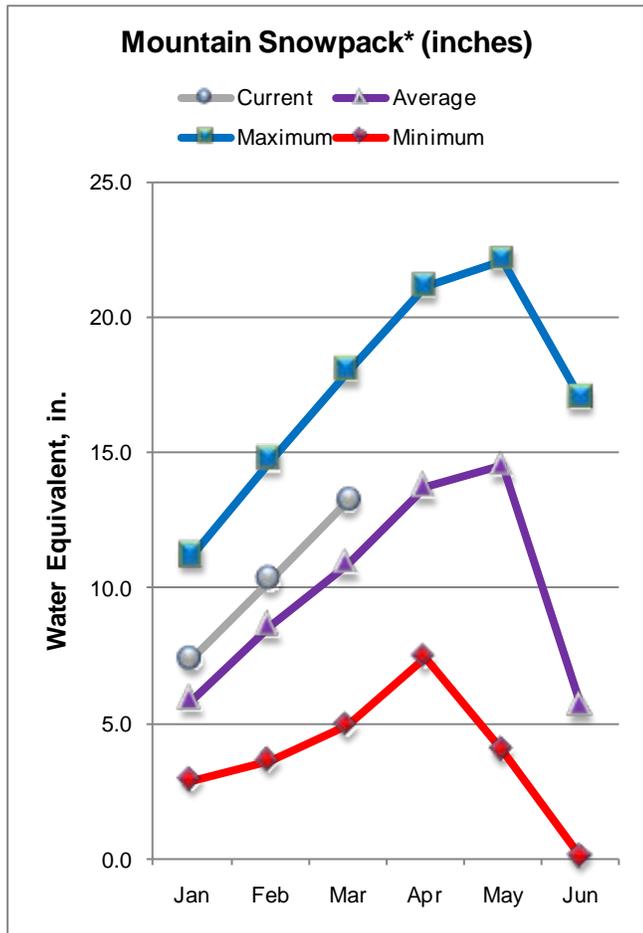
| UPPER COLORADO RIVER BASIN Reservoir Storage (1000 AF) - End of February | | | | | UPPER COLORADO RIVER BASIN Watershed Snowpack Analysis - March 1, 2011 | | | |
|---|-----------------|------------------------|-----------|-------|---|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| DILLON | 254.0 | 222.2 | 240.8 | 216.8 | BLUE RIVER BASIN | 9 | 170 | 131 |
| LAKE GRANBY | 465.6 | 350.1 | 307.0 | 281.1 | UPPER COLORADO RIVER BASI | 37 | 173 | 128 |
| GREEN MOUNTAIN | 146.8 | 66.2 | 71.3 | 70.0 | MUDDY CREEK BASIN | 4 | 187 | 128 |
| HOMESTAKE | 43.0 | 35.9 | 21.8 | 26.6 | PLATEAU CREEK BASIN | 3 | 137 | 130 |
| RUEDI | 102.0 | 69.3 | 68.4 | 68.0 | ROARING FORK BASIN | 8 | 146 | 128 |
| VEGA | 32.9 | 13.2 | 12.6 | 12.2 | WILLIAMS FORK BASIN | 4 | 151 | 121 |
| WILLIAMS FORK | 97.0 | 80.0 | 75.3 | 57.3 | WILLOW CREEK BASIN | 4 | 236 | 139 |
| WILLOW CREEK | 9.1 | 7.9 | 5.5 | 6.7 | TOTAL COLORADO RIVER BASI | 48 | 164 | 128 |

* 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.

SOUTH PLATTE RIVER BASIN as of March 1, 2011



*Based on selected stations

Snowpacks in the South Platte River Basin managed to squeak out a small gain over last month's figures, coming in at 121 percent of average, just one percentage point higher than the February 1 measurements. This is a significant improvement over the last year's March 1 snowpack which was only 79 percent of average. In fact, this is the highest March 1 snowpack percentage the basin has seen since 1997. Sub-basin snowpacks remain quite variable with the Upper South Plate Watershed reporting 93 percent of average conditions while the Clear Creek, Big Thompson and Cache La Poudre watersheds all measured snowpacks greater than 130 percent of average. The biggest gain, in terms of percentages, was found in the Boulder Creek Watershed which jumped from 104 percent of average last month to 117 percent of average on March 1. February precipitation at the higher elevations was above normal, at 119 percent of average, for the fifth consecutive month. Total precipitation for the water year remains in excellent shape at 130 percent of average and 154 percent of the total from last year at this time. Although reservoir storage is 4 percent lower than last year, at 100 percent of average, it is right about where it is normally. Most water users in the basin can look forward to near average to above average runoff for the April through September forecast period. The exceptions to this are Bear Creek above Evergreen, Bear Creek at Morrison and the Antero Reservoir Inflow which are slated to produce streamflows that are 71, 65 and 66 percent of average, respectively.

SOUTH PLATTE RIVER BASIN
Streamflow Forecasts - March 1, 2011

| Forecast Point | Forecast Period | <<==== Drier ==== Future Conditions ==== Wetter =====>> | | | | | | 30-Yr Avg. (1000AF) | | | | |
|--------------------------------------|-----------------|---|----------|----------|----------|----------|----------|------------------------|----------|----------|-----|--|
| | | 90% | | 70% | | 50% | | | 30% | | 10% | |
| | | (1000AF) | (1000AF) | (1000AF) | (% AVG.) | (1000AF) | (1000AF) | | (1000AF) | (1000AF) | | |
| Antero Reservoir Inflow (2) | APR-JUL | 6.2 | 9.2 | 12.0 | 71 | 15.7 | 23 | 16.8 | | | | |
| | APR-SEP | 7.2 | 10.9 | 14.5 | 66 | 19.3 | 29 | 22 | | | | |
| Spinney Mountain Res Inflow (2) | APR-JUL | 32 | 47 | 61 | 109 | 79 | 117 | 56 | | | | |
| | APR-SEP | 38 | 57 | 76 | 110 | 101 | 152 | 69 | | | | |
| Elevenmile Canyon Res Inflow (2) | APR-JUL | 32 | 49 | 64 | 110 | 84 | 127 | 58 | | | | |
| | APR-SEP | 38 | 59 | 80 | 111 | 108 | 169 | 72 | | | | |
| Cheesman Lake Inflow (2) | APR-JUL | 58 | 90 | 122 | 107 | 165 | 255 | 114 | | | | |
| | APR-SEP | 72 | 113 | 154 | 110 | 210 | 330 | 140 | | | | |
| South Platte R at South Platte (2) | APR-JUL | 101 | 158 | 215 | 105 | 290 | 460 | 205 | | | | |
| | APR-SEP | 125 | 198 | 270 | 106 | 370 | 585 | 255 | | | | |
| Bear Ck ab Evergreen | APR-JUL | 5.9 | 9.7 | 13.6 | 71 | 19.1 | 31 | 19.3 | | | | |
| | APR-SEP | 8.0 | 12.9 | 17.8 | 71 | 25 | 40 | 25 | | | | |
| Bear Ck at Morrison | APR-JUL | 5.9 | 10.6 | 15.8 | 63 | 24 | 43 | 25 | | | | |
| | APR-SEP | 7.7 | 13.6 | 20 | 65 | 30 | 52 | 31 | | | | |
| Clear Ck at Golden | APR-JUL | 104 | 122 | 135 | 123 | 148 | 166 | 110 | | | | |
| | APR-SEP | 118 | 143 | 160 | 119 | 177 | 200 | 134 | | | | |
| St. Vrain Ck at Lyons (2) | APR-JUL | 94 | 107 | 115 | 122 | 123 | 136 | 94 | | | | |
| | APR-SEP | 110 | 125 | 135 | 124 | 145 | 160 | 109 | | | | |
| Boulder Ck nr Orodell (2) | APR-JUL | 46 | 53 | 57 | 110 | 61 | 68 | 52 | | | | |
| | APR-SEP | 51 | 60 | 65 | 108 | 70 | 79 | 60 | | | | |
| S Boulder Ck nr Eldorado Springs (2) | APR-JUL | 35 | 40 | 43 | 105 | 46 | 51 | 41 | | | | |
| | APR-SEP | 37 | 44 | 48 | 104 | 52 | 59 | 46 | | | | |
| Big Thompson R at Canyon Mouth (2) | APR-JUL | 92 | 106 | 115 | 116 | 124 | 138 | 99 | | | | |
| | APR-SEP | 112 | 129 | 140 | 118 | 151 | 168 | 119 | | | | |
| Cache La Poudre at Canyon Mouth (2) | APR-JUL | 240 | 290 | 320 | 131 | 350 | 400 | 245 | | | | |
| | APR-SEP | 260 | 315 | 350 | 127 | 385 | 440 | 275 | | | | |

SOUTH PLATTE RIVER BASIN
Reservoir Storage (1000 AF) - End of February

SOUTH PLATTE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

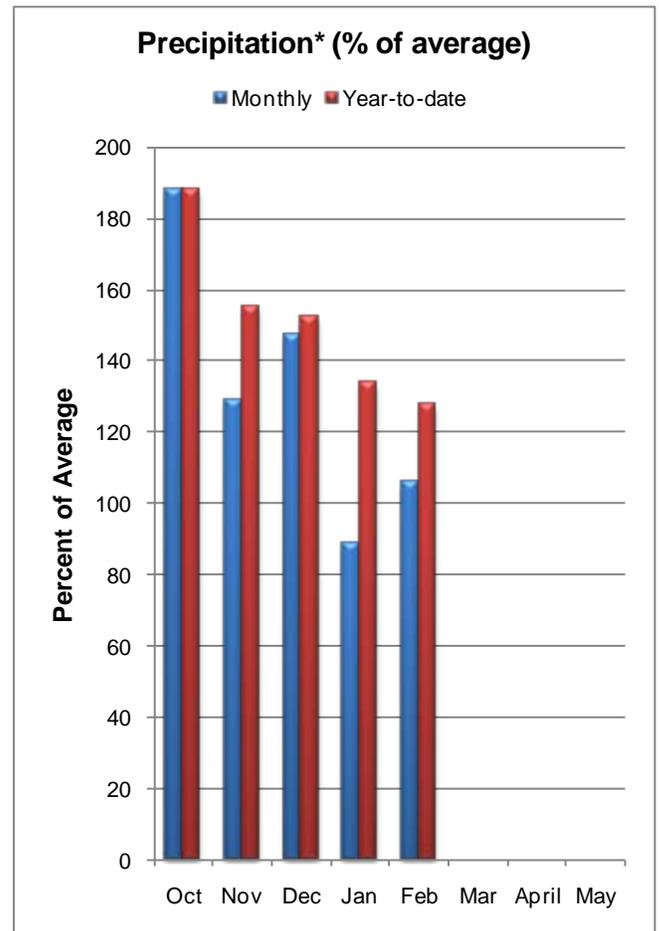
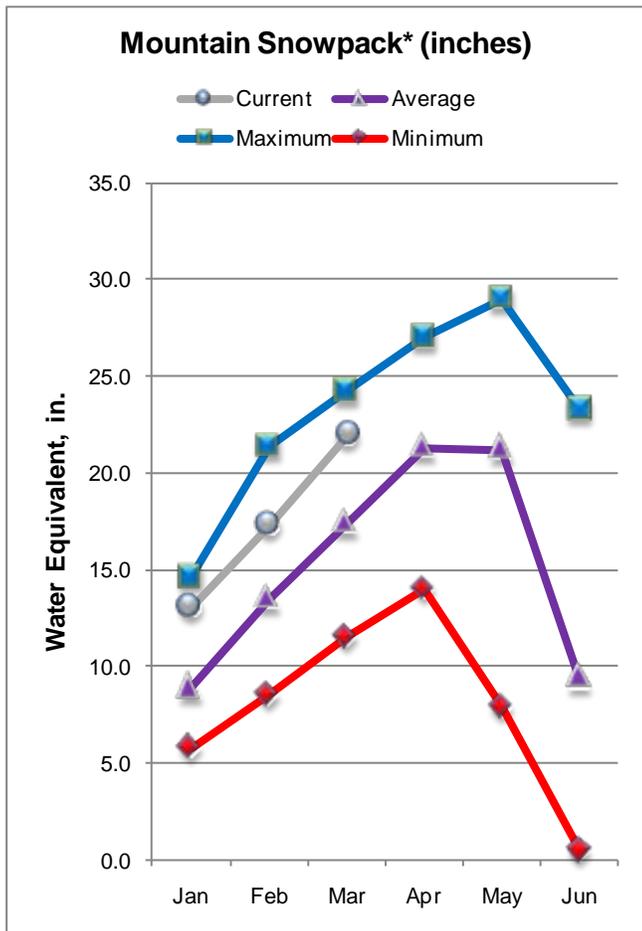
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|-------------------------|-----------------|------------------------|-----------|-------|--------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| ANTERO | 19.9 | 20.0 | 20.1 | 16.3 | BIG THOMPSON BASIN | 7 | 180 | 135 |
| BARR LAKE | 30.1 | 25.7 | 28.2 | 26.0 | BOULDER CREEK BASIN | 5 | 153 | 117 |
| BLACK HOLLOW | 6.5 | 2.7 | 3.2 | 3.9 | CACHE LA POUFRE BASIN | 8 | 180 | 138 |
| BOYD LAKE | 48.4 | 36.8 | 40.5 | 32.4 | CLEAR CREEK BASIN | 4 | 160 | 141 |
| BUTTON ROCK/RALPH PRICE | 16.2 | 13.5 | 12.9 | 12.4 | SAINT VRAIN BASIN | 4 | 193 | 114 |
| CACHE LA POUFRE | 10.1 | 10.1 | 10.1 | 7.8 | UPPER SOUTH PLATTE BASIN | 16 | 110 | 93 |
| CARTER | 108.9 | 71.1 | 93.0 | 93.4 | TOTAL SOUTH PLATTE BASIN | 44 | 157 | 122 |
| CHAMBERS LAKE | 8.8 | 3.5 | 6.4 | 3.1 | | | | |
| CHEESMAN | 79.0 | 73.8 | 58.6 | 59.0 | | | | |
| COBB LAKE | 22.3 | 20.2 | 20.7 | 13.9 | | | | |
| ELEVEN MILE | 98.0 | 99.2 | 99.5 | 95.8 | | | | |
| EMPIRE | 36.5 | 36.0 | 36.1 | 25.6 | | | | |
| FOSSIL CREEK | 11.1 | 8.9 | 10.5 | 7.4 | | | | |
| GROSS | 41.8 | 25.6 | 23.0 | 25.3 | | | | |
| HALLIGAN | 6.4 | 3.9 | 5.8 | 4.8 | | | | |
| HORSECREEK | 14.7 | 9.0 | 13.6 | 12.5 | | | | |
| HORSETOOTH | 149.7 | 92.8 | 92.6 | 109.2 | | | | |
| JACKSON | 26.1 | 26.1 | 24.0 | 27.3 | | | | |
| JULESBURG | 20.5 | 16.5 | 17.4 | 18.9 | | | | |
| LAKE LOVELAND | 10.3 | 7.4 | 9.3 | 8.8 | | | | |
| LONE TREE | 8.7 | 7.4 | 7.4 | 6.7 | | | | |
| MARIANO | 5.4 | 3.4 | 4.4 | 4.3 | | | | |
| MARSHALL | 10.0 | 4.3 | 7.1 | 5.4 | | | | |
| MARSTON | 13.0 | 2.9 | 9.6 | 12.9 | | | | |
| MILTON | 23.5 | 20.1 | 18.6 | 17.1 | | | | |
| POINT OF ROCKS | 70.6 | 66.6 | 70.4 | 65.4 | | | | |
| PREWITT | 28.2 | 22.4 | 22.5 | 21.0 | | | | |
| RIVERSIDE | 55.8 | 49.6 | 50.0 | 48.9 | | | | |
| SPINNEY MOUNTAIN | 49.0 | 36.5 | 33.7 | 32.2 | | | | |
| STANDLEY | 42.0 | 32.1 | 34.3 | 33.6 | | | | |
| TERRY LAKE | 8.0 | 5.3 | 5.9 | 5.3 | | | | |
| UNION | 13.0 | 12.2 | 11.9 | 11.0 | | | | |
| WINDSOR | 15.2 | 11.1 | 12.0 | 11.5 | | | | |

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

The average is computed for the 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.

YAMPA, WHITE, NORTH PLATTE AND LARAMIE RIVER BASINS as of March 1, 2011



*Based on selected stations

Snowpack conditions in the combined Yampa, White, North Platte and Laramie River basins remain above average despite a tiny, two percentage point drop from last month's readings. However, at 126 percent of average, this year's snowpack is significantly higher than the snowpack present last year at this time. The Yampa and White River basins snowpack, at 124 percent of average, is the highest March 1 snowpack since 1997 when the basin was measured at 142 percent of average. At 131 percent of average on March 1, the North Platte and Laramie River basins outpaced the 1997 figures by one percentage point but fell short of the 137 percent of average figure posted in 1996, making it the fourth highest snowpack percentage going back to 1968. Sub-basin snowpacks are all above average to well above average, ranging from 116 percent of average in the White River Watershed to 134 percent of average in the Laramie River Drainage. February precipitation at the higher elevations as measured by the SNOTEL network was slightly above normal at 106 percent of average. Total precipitation for the water year is 128 percent of average. Storage in Stagecoach Reservoir is 91 percent of average, while Yamcolo is faring somewhat better at 115 percent of average. Forecasts indicate that water users can still expect above average to well above average runoff from April through July. Streamflow volumes should range from 108 percent of average for the Yampa River above Stagecoach Reservoir to 147 percent of average for the North Platte River near Northgate.

YAMPA, WHITE, AND NORTH PLATTE RIVER BASINS
Streamflow Forecasts - March 1, 2011

| Forecast Point | Forecast Period | <<==== Drier ==== Future Conditions ==== Wetter =====>> | | | | | | 30-Yr Avg. (1000AF) |
|------------------------------------|-----------------|---|-----------------|-----------------|----------|-----------------|-----------------|------------------------|
| | | Chance Of Exceeding * | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| North Platte R nr Northgate | APR-JUL | 250 | 315 | 360 | 147 | 405 | 470 | 245 |
| | APR-SEP | 270 | 345 | 395 | 146 | 445 | 520 | 270 |
| Laramie R nr Woods | APR-JUL | 123 | 144 | 158 | 129 | 172 | 193 | 123 |
| | APR-SEP | 135 | 158 | 174 | 129 | 190 | 215 | 135 |
| Yampa R ab Stagecoach Reservoir | APR-JUL | 25 | 33 | 40 | 108 | 47 | 60 | 37 |
| Yampa R at Steamboat Springs (2) | APR-JUL | 265 | 315 | 350 | 125 | 385 | 445 | 280 |
| Elk R nr Milner | APR-JUL | 365 | 410 | 450 | 139 | 490 | 555 | 325 |
| Elkhead Ck ab Long Gulch nr Hayden | APR-JUL | 61 | 80 | 95 | 134 | 111 | 137 | 71 |
| Yampa R nr Maybell (2) | APR-JUL | 940 | 1180 | 1350 | 136 | 1540 | 1830 | 990 |
| Little Snake R nr Slater | APR-JUL | 149 | 178 | 200 | 126 | 225 | 260 | 159 |
| Little Snake R nr Dixon | APR-JUL | 295 | 365 | 420 | 127 | 480 | 560 | 330 |
| Little Snake R nr Lily | APR-JUL | 280 | 385 | 470 | 129 | 560 | 710 | 365 |
| White R nr Meeker | APR-JUL | 235 | 290 | 330 | 114 | 375 | 440 | 290 |

YAMPA, WHITE, AND NORTH PLATTE RIVER BASINS
Reservoir Storage (1000 AF) - End of February

YAMPA, WHITE, AND NORTH PLATTE RIVER BASINS
Watershed Snowpack Analysis - March 1, 2011

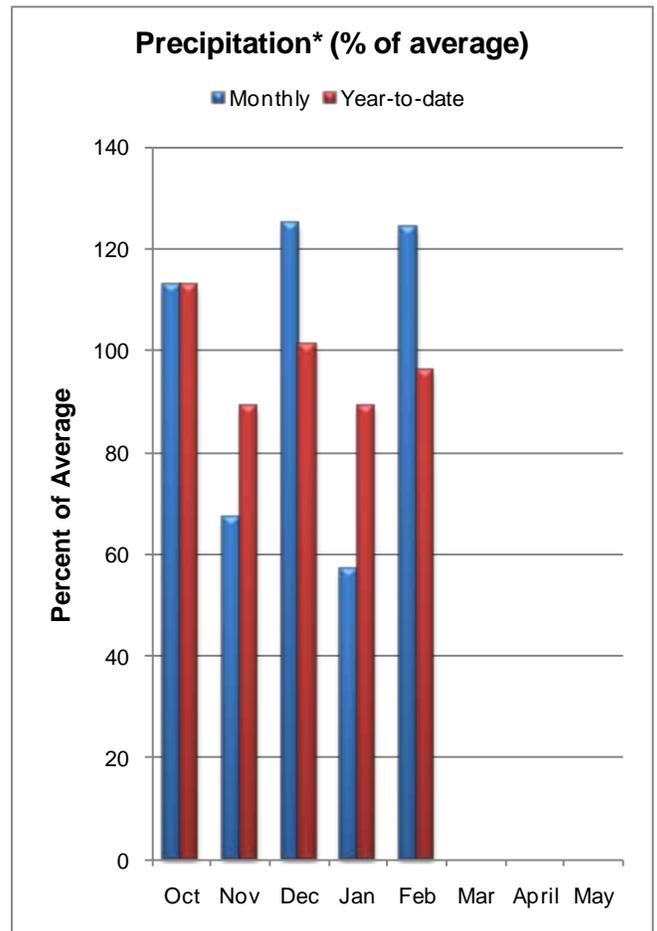
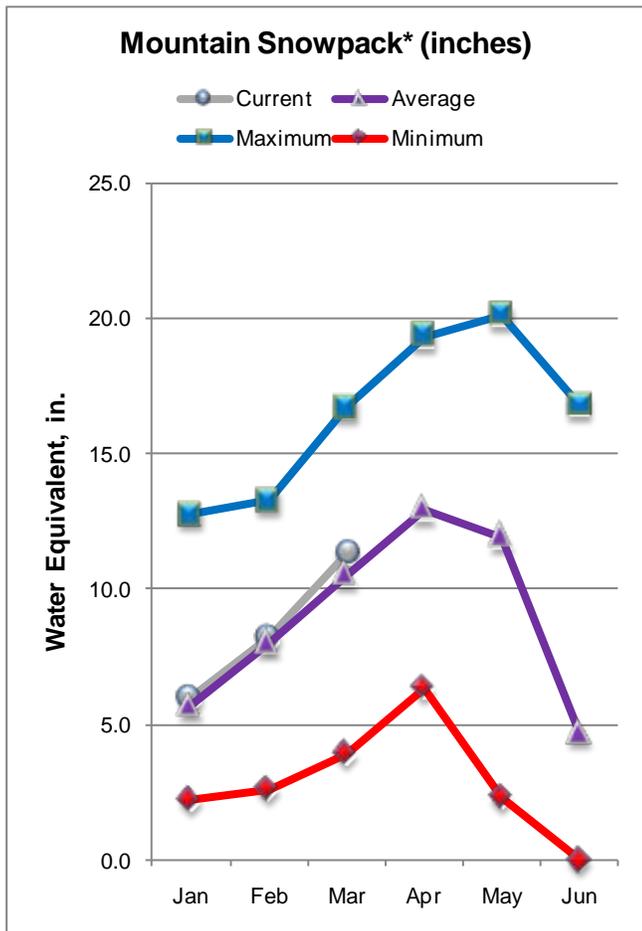
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|---------------------------|-----------------|------------------------|-----------|------|---------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| STAGECOACH | 33.3 | 21.9 | 28.1 | 24.0 | LARAMIE RIVER BASIN | 3 | 150 | 134 |
| YAMCOLO | 8.7 | 7.5 | 7.1 | 6.5 | NORTH PLATTE RIVER BASIN | 12 | 192 | 131 |
| | | | | | TOTAL NORTH PLATTE BASIN | 14 | 183 | 131 |
| | | | | | ELK RIVER BASIN | 2 | 164 | 131 |
| | | | | | YAMPA RIVER BASIN | 12 | 177 | 129 |
| | | | | | WHITE RIVER BASIN | 6 | 149 | 116 |
| | | | | | TOTAL YAMPA AND WHITE RIV | 17 | 166 | 124 |
| | | | | | LITTLE SNAKE RIVER BASIN | 8 | 140 | 120 |
| TOTAL YAMPA, WHITE AND NO | 36 | 166 | 126 | | | | | |

* 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.

ARKANSAS RIVER BASIN as of March 1, 2011



*Based on selected stations

The big story wasn't that the snowpack in the Arkansas River Basin saw a 5 percentage point increase over last month's snowpack measurements closing out the March 1 snow survey at 108 percent of average. It wasn't even that the basin has had an above average March 1 snowpack in 4 of the last 5 years. Instead, it seems that the southern portion of the basin finally benefitted from the moisture that passed through Colorado. The Purgatoire Watershed saw a 15 percentage point increase in snowpack over last month, jumping up from 64 percent of average to 79 percent of average on March 1. Not to be outdone, the Cucharas and Huerfano watersheds experienced an increase of 18 percentage points, going from 60 percent of average last month to 78 percent of average currently. After a poor showing in January, mountain precipitation turned around in February with monthly totals that were 124 percent of average. This helped to boost total precipitation for the water year from 89 percent of average last month to 96 percent of average and 104 percent of the water year totals last year at this time. Reservoir storage is about 58,000 acre-feet below where it normally is at this time of year (or about 90 percent of average). Water users in the headwaters of the Arkansas can expect above average to well above average runoff, while those in the southern tributaries should prepare for below average streamflows. April-September volumes should range from 70 percent of average for the Inflow to Trinidad Lake to 141 percent of average for Chalk Creek at Nathrop.

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ARKANSAS RIVER BASIN
Streamflow Forecasts - March 1, 2011

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| Forecast Point | Forecast Period | <<===== Drier ===== Future Conditions ===== Wetter =====>> | | | | | | 30-Yr Avg. (1000AF) |
|--------------------------|-----------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| | | Chance Of Exceeding * | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | 50% (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| Chalk Ck at Nathrop | APR-JUL | 20 | 27 | 32 | 139 | 38 | 46 | 23 |
| | APR-SEP | 24 | 32 | 38 | 141 | 44 | 55 | 27 |
| Arkansas R at Salida (2) | APR-JUL | 235 | 280 | 310 | 122 | 345 | 395 | 255 |
| | APR-SEP | 285 | 340 | 380 | 123 | 425 | 490 | 310 |
| Grape Ck nr Westcliffe | APR-JUL | 2.7 | 8.1 | 13.5 | 84 | 20 | 33 | 16.1 |
| | APR-SEP | 4.8 | 11.0 | 16.7 | 85 | 24 | 36 | 19.6 |
| Pueblo Res Inflow (2) | APR-JUL | 275 | 365 | 435 | 113 | 510 | 630 | 385 |
| | APR-SEP | 355 | 465 | 545 | 112 | 635 | 775 | 485 |
| Huerfano R nr Redwing | APR-JUL | 5.0 | 7.6 | 9.8 | 80 | 12.2 | 16.2 | 12.3 |
| | APR-SEP | 7.0 | 10.3 | 12.9 | 83 | 15.8 | 21 | 15.5 |
| Cucharas R nr La Veta | APR-JUL | 3.1 | 6.1 | 8.6 | 76 | 11.6 | 16.8 | 11.3 |
| | APR-SEP | 4.1 | 7.4 | 10.1 | 78 | 13.3 | 18.7 | 13.0 |
| Trinidad Lk Inflow (2) | MAR-JUL | 6.8 | 15.7 | 24 | 71 | 34 | 52 | 34 |
| | APR-SEP | 9.5 | 21 | 31 | 71 | 43 | 65 | 44 |

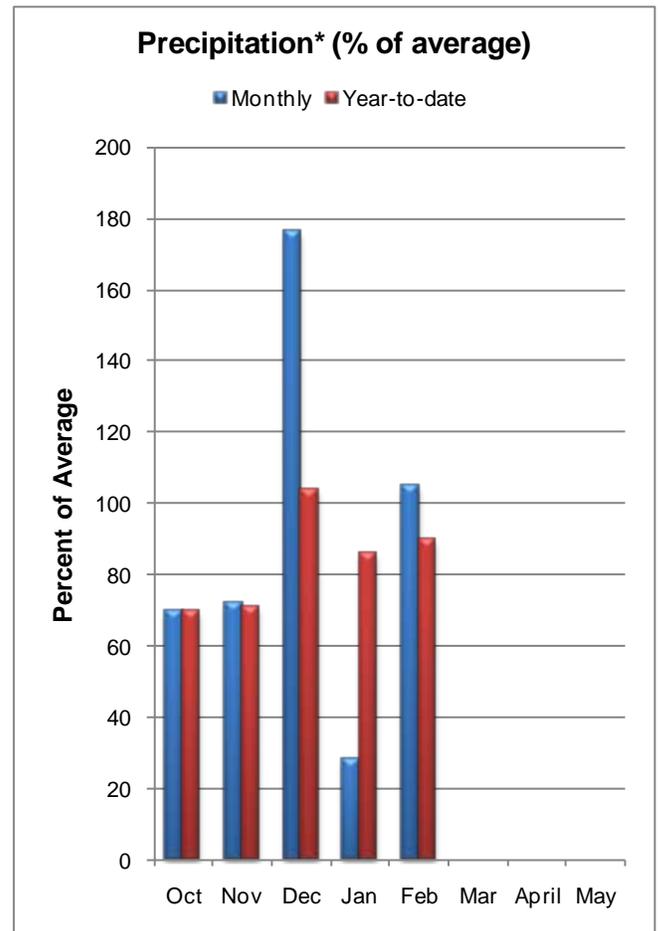
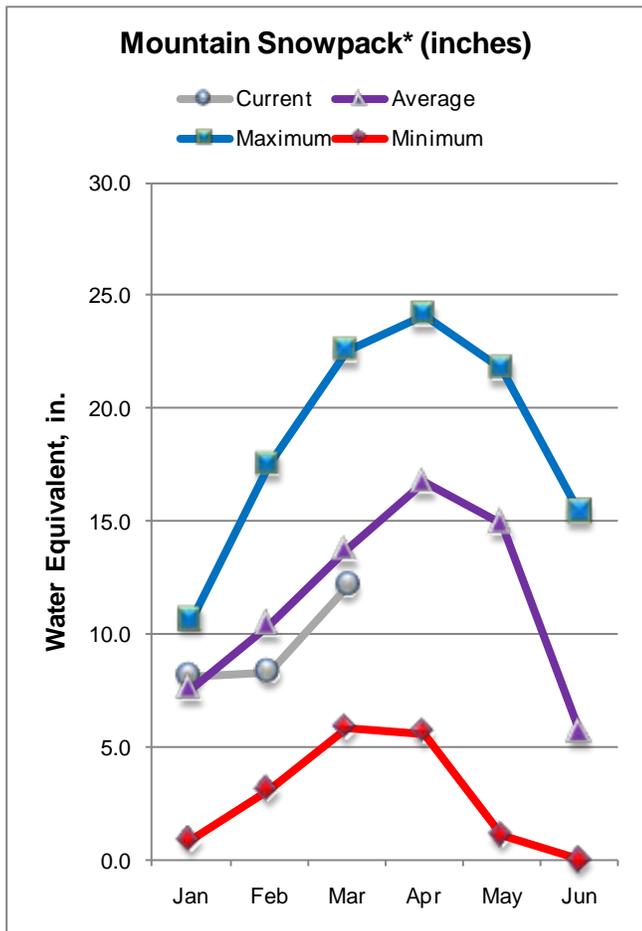
| ARKANSAS RIVER BASIN Reservoir Storage (1000 AF) - End of February | | | | | ARKANSAS RIVER BASIN Watershed Snowpack Analysis - March 1, 2011 | | | |
|---|-----------------|------------------------|-----------|-------|---|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| ADOBE | 62.0 | 41.5 | 53.4 | 36.0 | UPPER ARKANSAS BASIN | 10 | 133 | 119 |
| CLEAR CREEK | 11.4 | 8.3 | 7.6 | 6.8 | CUCHARAS & HUERFANO RIVER | 4 | 72 | 78 |
| CUCHARAS RESERVOIR | 40.0 | 0.1 | 1.3 | 4.7 | PURGATOIRE RIVER BASIN | 2 | 72 | 79 |
| GREAT PLAINS | 150.0 | 0.0 | 0.0 | 38.9 | TOTAL ARKANSAS RIVER BASI | 15 | 115 | 108 |
| HOLBROOK | 7.0 | 0.9 | 3.1 | 4.8 | | | | |
| HORSE CREEK | 27.0 | 0.0 | 0.0 | 12.7 | | | | |
| JOHN MARTIN | 616.0 | 57.6 | 67.9 | 132.2 | | | | |
| LAKE HENRY | 8.0 | 8.6 | 7.8 | 5.6 | | | | |
| MEREDITH | 42.0 | 38.4 | 42.0 | 18.1 | | | | |
| PUEBLO | 354.0 | 248.8 | 257.5 | 168.7 | | | | |
| TRINIDAD | 167.0 | 18.7 | 20.1 | 26.2 | | | | |
| TURQUOISE | 127.0 | 49.3 | 63.3 | 77.3 | | | | |
| TWIN LAKES | 86.0 | 45.3 | 53.8 | 44.0 | | | | |

* 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 RIO GRANDE RIVER BASIN as of March 1, 2011



*Based on selected stations

While most of the major basins were seeing declines in their snowpack percentages from last month, the snowpack in the Upper Rio Grande Basin bucked the trend turning in snowpack totals that measured 88 percent of average, up eight percentage points from last month. Unfortunately, despite the increase, it was not enough to prevent this from being the first below average March 1 snowpack in the last four years. With the exception of the Conejos and Rio San Antonio watersheds, which saw a one percentage point decline, the remainder of the sub-basin snowpicks saw impressive increases in their snowpack percentages. These ranged from a 15 percentage point increase in the Culebra and Trinchera Creek watersheds to an 18 percentage point rise in the Alamosa Creek Drainage. The bad news is that all the sub-basins are still reporting below average snowpicks. At 105 percent of average, February produced only the second above average monthly precipitation figure the basin has seen since the beginning of the water year back in October 2010. Total precipitation for the water year improved to 90 percent of average. Reservoir storage, in terms of percentages, is the lowest of the major basins in the state at 82 percent of average. Current storage is 13 percent below the storage available last year at this time. Streamflow volumes are expected to be below average to well below average across the entire basin, ranging from 40 percent of average on Sangre de Cristo Creek to 86 percent of average for Alamosa Creek above Terrace Reservoir.

UPPER RIO GRANDE BASIN
Streamflow Forecasts - March 1, 2011

| Forecast Point | Forecast Period | <<==== Drier ==== Future Conditions ===== Wetter =====>> | | | | | | 30-Yr Avg. (1000AF) |
|--------------------------------------|-----------------|--|-----------------|-----------------|----------|-----------------|-----------------|------------------------|
| | | Chance Of Exceeding * | | | | | | |
| | | 90% (1000AF) | 70% (1000AF) | 50% (1000AF) | (% AVG.) | 30% (1000AF) | 10% (1000AF) | |
| Rio Grande at Thirty Mile Bridge (2) | APR-SEP | 75 | 95 | 110 | 81 | 126 | 151 | 136 |
| | APR-JUL | 68 | 83 | 95 | 81 | 108 | 128 | 118 |
| Rio Grande at Wagon Wheel Gap (2) | APR-SEP | 193 | 250 | 290 | 84 | 335 | 405 | 345 |
| SF Rio Grande at South Fork (2) | APR-SEP | 76 | 95 | 110 | 83 | 126 | 152 | 132 |
| Rio Grande nr Del Norte (2) | APR-SEP | 295 | 380 | 440 | 83 | 510 | 625 | 531 |
| Saguache Ck nr Saguache (2) | APR-SEP | 15.9 | 23 | 28 | 85 | 34 | 44 | 33 |
| Alamosa Ck ab Terrace Reservoir | APR-SEP | 40 | 51 | 60 | 86 | 70 | 85 | 70 |
| La Jara Ck nr Capulin | MAR-JUL | 4.0 | 5.8 | 7.4 | 85 | 9.2 | 12.4 | 8.7 |
| Trinchera Ck ab Turners Ranch | APR-SEP | 3.0 | 4.4 | 5.5 | 46 | 6.7 | 8.7 | 12.0 |
| Sangre de Cristo Ck (2) | APR-SEP | 0.6 | 2.0 | 3.5 | 40 | 5.4 | 9.0 | 8.8 |
| Ute Creek | APR-SEP | 2.1 | 4.2 | 6.0 | 49 | 8.2 | 12.0 | 12.2 |
| Platoro Reservoir Inflow | APR-JUL | 39 | 48 | 54 | 84 | 61 | 72 | 64 |
| | APR-SEP | 44 | 53 | 60 | 85 | 68 | 80 | 71 |
| Conejos R nr Mogote (2) | APR-SEP | 116 | 147 | 170 | 85 | 196 | 240 | 200 |
| San Antonio R at Ortiz | APR-SEP | 6.8 | 10.2 | 13.0 | 79 | 16.3 | 22 | 16.4 |
| Los Pinos R nr Ortiz | APR-SEP | 38 | 50 | 60 | 81 | 71 | 90 | 74 |
| Culebra Ck at San Luis (2) | APR-SEP | 5.0 | 9.2 | 13.0 | 57 | 17.8 | 27 | 23 |
| Costilla Reservoir Inflow | MAR-JUL | 2.7 | 4.4 | 6.0 | 57 | 7.9 | 11.3 | 10.6 |
| Costilla Ck nr Costilla (2) | MAR-JUL | 6.5 | 11.0 | 15.0 | 58 | 19.9 | 29 | 26 |

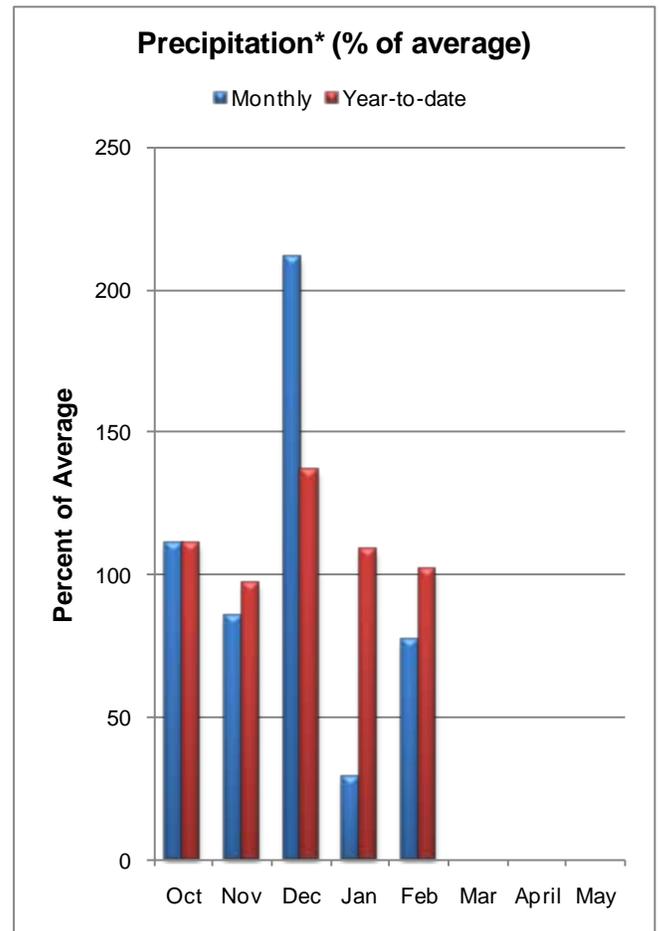
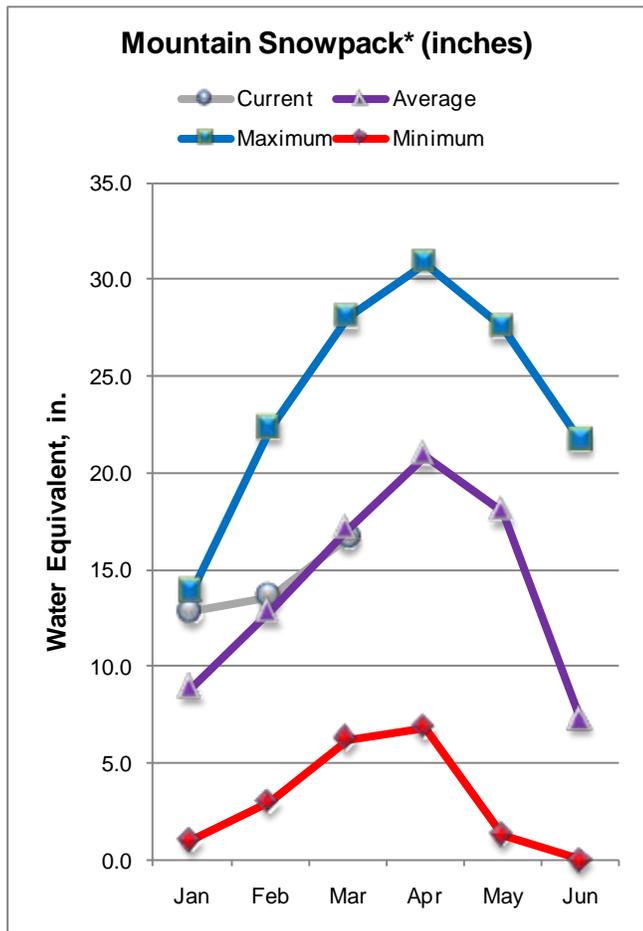
| UPPER RIO GRANDE BASIN Reservoir Storage (1000 AF) - End of February | | | | | UPPER RIO GRANDE BASIN Watershed Snowpack Analysis - March 1, 2011 | | | |
|---|-----------------|------------------------|-----------|------|---|----------------------|-------------------|---------|
| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| CONTINENTAL | 27.0 | 5.0 | 4.3 | 5.3 | ALAMOSA CREEK BASIN | 2 | 72 | 81 |
| PLATORO | 60.0 | 21.6 | 30.0 | 24.3 | CONEJOS & RIO SAN ANTONIO | 4 | 76 | 86 |
| RIO GRANDE | 51.0 | 18.2 | 18.9 | 17.6 | CULEBRA & TRINCHERA CREEK | 5 | 69 | 79 |
| SANCHEZ | 103.0 | 16.7 | 19.5 | 24.1 | UPPER RIO GRANDE BASIN | 12 | 87 | 92 |
| SANTA MARIA | 45.0 | 6.7 | 6.7 | 10.6 | TOTAL UPPER RIO GRANDE BA | 23 | 80 | 88 |
| TERRACE | 18.0 | 4.3 | 4.0 | 6.7 | | | | |

* 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.

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS as of March 1, 2011



*Based on selected stations

Given the 97 percent of average snowpack measured on March 1 in the combined San Miguel, Dolores, Animas and San Juan River basins, it is hard to believe that just two months ago, the snowpack was at 144 percent of average. SNOTEL data indicates the 9 percentage point drop in snowpack from last month was due in large part to about 10 days in the middle of the month in which there was no increase in snow water content in the basin. Things could have been much worse if not for the influx of moisture during the last 10 days of the month. This is the first time in the last four years that the March 1 snowpack has been below average. Sub-basin snowpacks are below average to just slightly above average despite a 6 to 11 percentage point drop from last month. Snowpack conditions range from 90 percent of average in the Dolores Watershed to 101 percent of average in the Animas and San Juan drainages. The basin posted its second consecutive month of below average precipitation at 77 percent of average. This was the lowest February precipitation figure of all the major basins in the state. Total precipitation for the water year fell to 102 percent of average and 103 percent of last year's total at this time. On the bright side, reservoir storage is slightly above normal at 102 percent of average and 117 percent of the stored water available a year ago. April-July streamflow volumes are expected to be near average to below average throughout the basin, ranging from 75 percent of average for the Lilylands Reservoir Inlet to 95 percent of average for the Animas River at Durango.

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS
Streamflow Forecasts - March 1, 2011

| Forecast Point | Forecast Period | Future Conditions | | | | | | 30-Yr Avg. (1000AF) |
|------------------------------------|-----------------|-----------------------|-----------------|---|----|------------------------|-----------------|------------------------|
| | | <<===== Drier =====>> | | ===== | | >>===== Wetter =====>> | | |
| | | 90% (1000AF) | 70% (1000AF) | Chance Of Exceeding * 50% (1000AF) (% AVG.) | | 30% (1000AF) | 10% (1000AF) | |
| Dolores R at Dolores | APR-JUL | 144 | 187 | 220 | 83 | 255 | 320 | 265 |
| McPhee Reservoir Inflow (2) | APR-JUL | 162 | 215 | 255 | 80 | 300 | 370 | 320 |
| San Miguel R nr Placerville | APR-JUL | 74 | 94 | 110 | 83 | 127 | 156 | 132 |
| Gurley Reservoir Inlet | APR-JUL | 9.6 | 12.4 | 14.5 | 79 | 16.9 | 21 | 18.3 |
| Cone Reservoir Inlet | APR-JUL | 0.6 | 1.5 | 2.5 | 77 | 3.9 | 6.6 | 3.3 |
| Lilylands Reservoir Inlet | APR-JUL | 1.3 | 1.8 | 2.2 | 75 | 2.7 | 3.4 | 2.9 |
| Rio Blanco at Blanco Diversion (2) | APR-JUL | 31 | 40 | 46 | 87 | 53 | 65 | 53 |
| Navajo R at Oso Diversion (2) | APR-JUL | 40 | 51 | 60 | 87 | 70 | 86 | 69 |
| San Juan R nr Carracas (2) | APR-JUL | 220 | 295 | 350 | 86 | 415 | 520 | 405 |
| Piedra R nr Arboles | APR-JUL | 115 | 157 | 190 | 83 | 230 | 290 | 230 |
| Vallecito Reservoir Inflow (2) | APR-JUL | 131 | 159 | 180 | 88 | 200 | 235 | 205 |
| Navajo Reservoir Inflow (2) | APR-JUL | 405 | 545 | 650 | 83 | 765 | 950 | 785 |
| Animas R at Durango | APR-JUL | 305 | 370 | 420 | 96 | 470 | 555 | 440 |
| Lemon Reservoir Inflow (2) | APR-JUL | 36 | 45 | 52 | 90 | 59 | 71 | 58 |
| La Plata R at Hesperus | APR-JUL | 14.2 | 18.6 | 22 | 88 | 26 | 32 | 25 |
| Mancos R nr Mancos (2) | APR-JUL | 15.2 | 19.7 | 29 | 88 | 38 | 44 | 33 |

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS
Reservoir Storage (1000 AF) - End of February

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS
Watershed Snowpack Analysis - March 1, 2011

| Reservoir | Usable Capacity | *** Usable Storage *** | | | Watershed | Number of Data Sites | This Year as % of | |
|---------------|-----------------|------------------------|-----------|-------|---------------------------|----------------------|-------------------|---------|
| | | This Year | Last Year | Avg | | | Last Yr | Average |
| GROUNDHOG | 22.0 | 13.2 | 14.2 | 12.0 | ANIMAS RIVER BASIN | 9 | 101 | 101 |
| JACKSON GULCH | 10.0 | 5.2 | 3.5 | 4.6 | DOLORES RIVER BASIN | 7 | 79 | 90 |
| LEMON | 40.0 | 14.5 | 9.6 | 20.4 | SAN MIGUEL RIVER BASIN | 5 | 90 | 92 |
| MCPHEE | 381.0 | 273.3 | 252.5 | 276.3 | SAN JUAN RIVER BASIN | 4 | 93 | 101 |
| NARRAGUINNEP | 19.0 | 17.6 | 13.3 | 13.5 | TOTAL SAN MIGUEL, DOLORES | 24 | 92 | 97 |
| VALLECITO | 126.0 | 72.4 | 46.6 | 60.8 | AN JUAN RIVER BASINS | | | |

* 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.



Denver Federal Center, Bldg 56, Rm 2604
PO Box 25426
Denver, CO 80225-0426

In addition to the basin outlook reports, water supply forecast information for the Western United States is available from the Natural Resources Conservation Service and the National Weather Service monthly, January through May. The information may be obtained from the Natural Resources Conservation Service web page at <http://www.wcc.nrcs.usda.gov/wsf/westwide.html>

Issued by

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

Released by

Allen Green
State Conservationist
Natural Resources Conservation Service
Denver, Colorado

Colorado
Basin Outlook Report
Natural Resources Conservation Service
Denver, CO