

Colorado

Basin Outlook Report

June 1, 2012



Photo courtesy of Mike Ardison, Hydrologic Technician in Denver, Colorado.

This picture was taken on June 6, 2012 at the Grizzly Peak SNOTEL site, elevation 11,100 feet, during the annual summer maintenance visit. This site is located on the west side of Loveland Pass near the Arapahoe Basin ski area in the Blue River basin. In an average year this site would still have 4.9 inches of SWE remaining on the snow pillow and would be inaccessible for maintenance until early July.

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

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How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snow courses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be 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 June 1, 2012

Summary

The 2012 water year is definitely one that will be remembered for quite some time. Coming on the heels of one of the wettest and snowiest years in recent memory it began with great expectations and with well above average precipitation in October and significant early season snow storms across the state. Unfortunately hopes were thwarted by a very dry December which left our first snow surveys of the year measuring a below average snowpack. From that point, with the exception of some decent snow accumulation in February, the weather managed to conjure up some painful memories of the 2002 drought. In the end this season saw the lowest statewide snowpack accumulation since 2002 and in some basins, this year became the new minimum on record. This spring the entire state has experienced persistent warm and dry weather patterns contributing to dry soils and the early melt of an already anemic snowpack. The only part of the equation separating this year from conditions in 2002 is reservoir storage. Across the state storage volumes remain very close to average thanks to the abundant snowfall and runoff from the 2011 winter.

Snowpack

May ended up being another dry and warm month across Colorado. The continuation of this abnormally warm weather caused the snowpack to continue to melt out at a nearly uninterrupted pace. By June 1, the snowpack was nearly nonexistent in all of Colorado's major basins with only 4 out of the 92 SNOTEL sites used in this report, measuring any snow. The statewide snowpack as of June 1 was a negligible 2 percent of average, and 1 percent of last year's report on this date. Basin by basin only the Colorado, South Platte, Arkansas and combined Yampa, White and North Platte basins had any snow remaining and only at the higher elevations in the basins. Most SNOTEL sites were completely melted out about a month earlier than normal. The warm weather this spring in combination with dry winds and dry soils really decimated what little snowpack we had received. These conditions also result in a fair amount of sublimation which will likely have an impact on streamflow volumes.

Precipitation

Precipitation at Colorado's SNOTEL sites was well below average this May. Six out of the last seven months have recorded below average precipitation across the state. Statewide totals for May were just 42 percent of average which dropped the water year to date precipitation to 71 percent of average and 59 percent of last year's totals. The combined San Miguel, Dolores, Animas and San Juan basin received precipitation that was only 14 percent of average for the month and the Gunnison basin was also very dry at just 23 percent of average. The South Platte basin fared somewhat better with monthly totals at 62 percent of average. Water year totals range from a high of 85 percent of average in the Upper Rio Grande basin to 66 percent of average in the Colorado basin.

Reservoir Storage

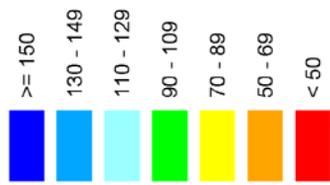
Reservoir storage in the state is slightly below average. In an average year the state's reservoirs store 3786 kilo acre feet (KAF) of water at this time of year. This year storage levels are at 3716 KAF, which equates to 98 percent of average. Since May 1 storage volumes statewide have declined by 24 KAF. Typically storage volumes increase during May but water managers filled their reservoirs early due to low streamflow predictions and demand has likely increased with above normal temperatures. As of June 1 the Arkansas and Upper Rio Grande reported the lowest storage volumes in the state at 78 and 57 percent of average respectively. All other major basins in the state are reporting near or above average storage. The Gunnison River basin's reservoirs are storing 823 KAF which is 103 percent of average. The Upper Colorado basin is storing 905 KAF which is 113 percent of average. The South Platte basin is storing 930 KAF which is 95 percent of average. The combine San Miguel, Animas, Dolores and San Juan basins are storing 526 KAF which is 106 percent of average. And the Yampa basin is storing 34 KAF in Stagecoach reservoir which is 113 percent of average; Yamcolo reservoir was not included in this report due to a broken gauge.

Streamflow

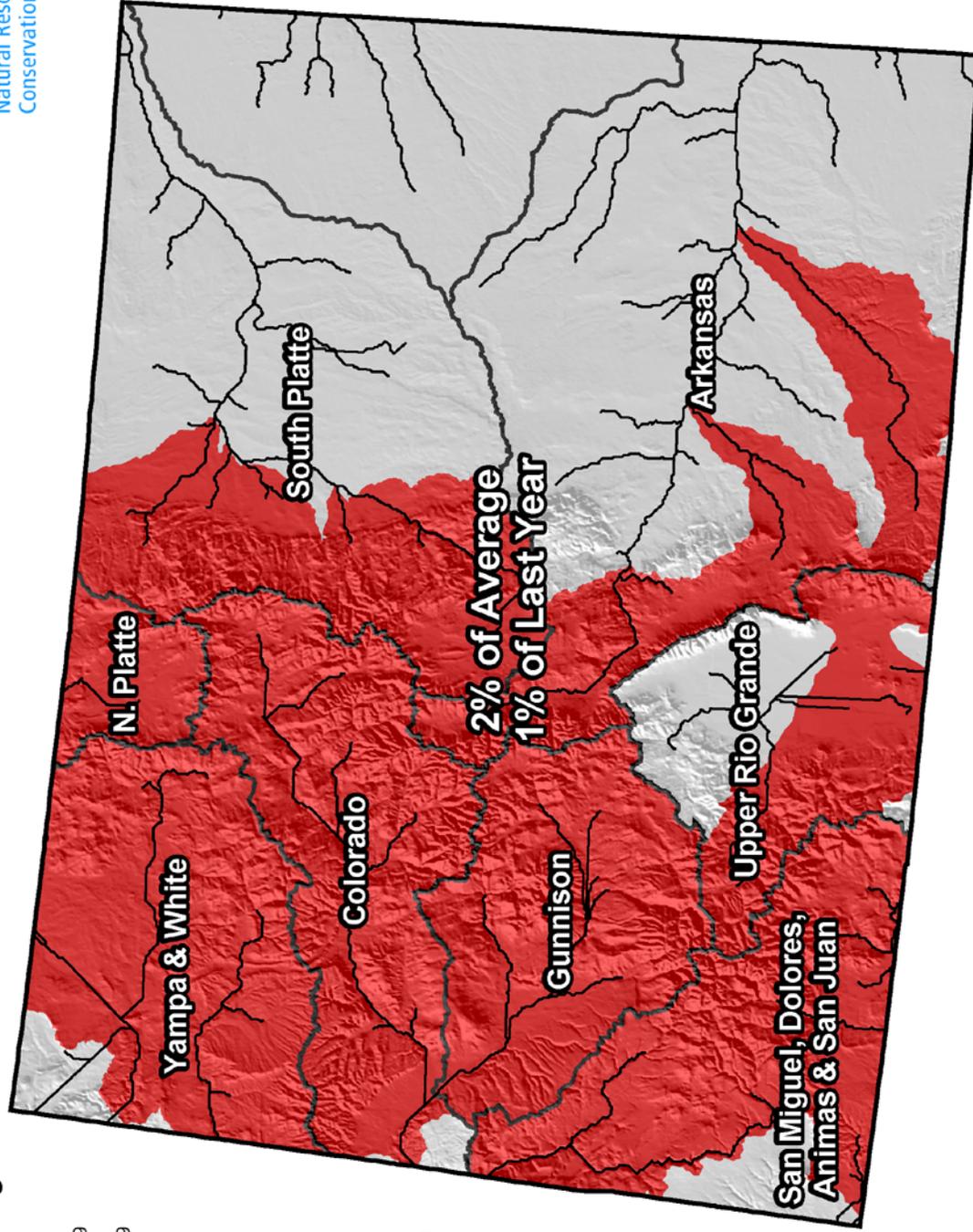
Another dry month in May brought additional decreases to the streamflow forecasts across western Colorado. As a general rule, forecasts for the western basins range from about 25 to 50 percent of average. In the Upper Rio Grande, Arkansas, and South Platte basins seasonal predictions improved by a couple of percentage points for most forecasts due to higher than expected observed flows so far this spring. These basins can expect volumes of 20 to 60 percent of average. The lowest forecasts, as a percent of average, are in the headwaters of the Gunnison River, where the forecasted flow for the Tomichi Creek tributary is just 7 percent of average. The state's best outlook, while still quite dismal, is for the Upper Rio Grande basin as a whole. Streams in this basin are expected to run at 40 to 60 percent of average from April to September. In summary, across the state, early snowmelt has translated to earlier than normal peak flows, which will likely be followed by an earlier than normal return to base flows in mid-summer.

Colorado Snowpack Map

Percent of Average

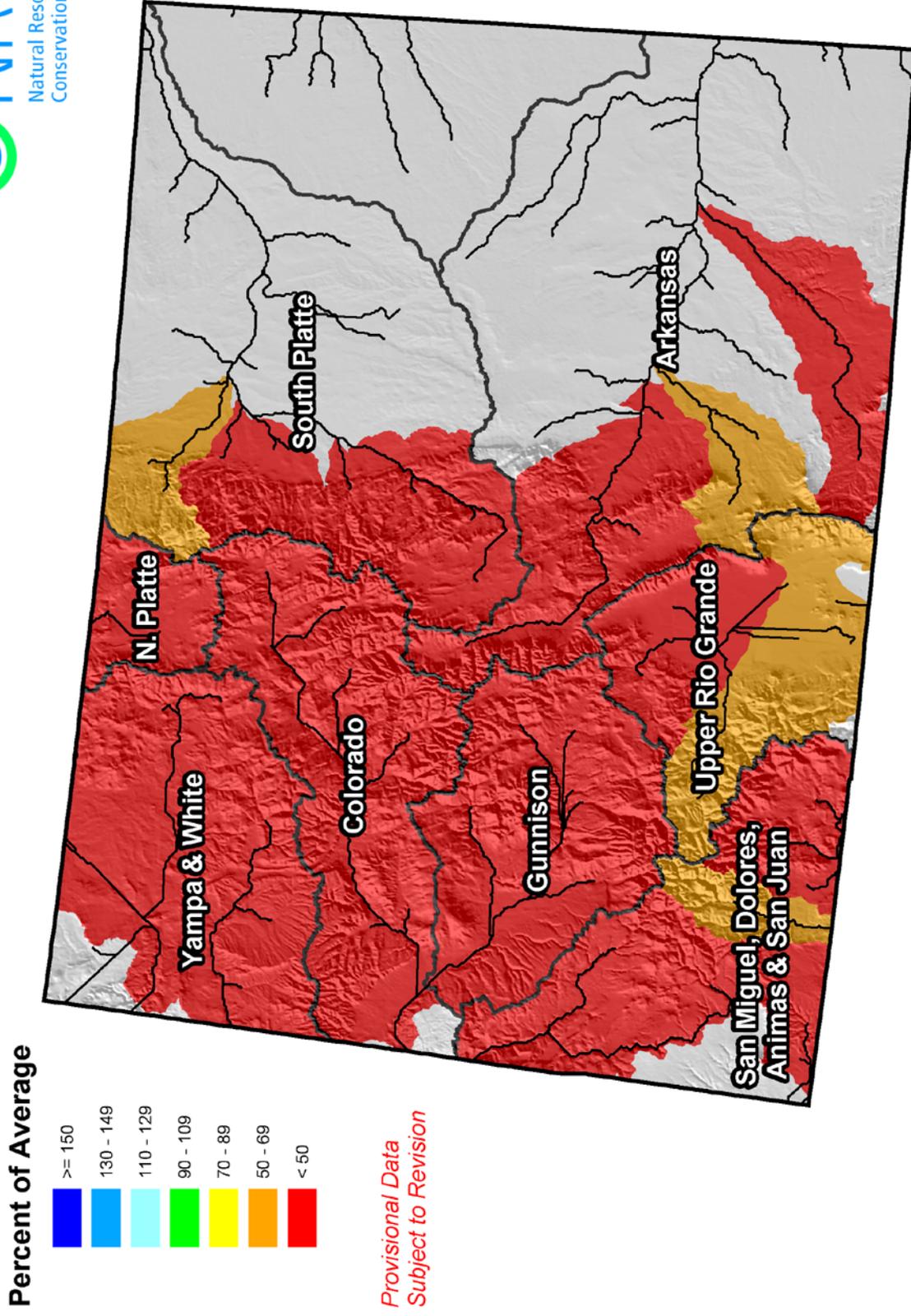


*Provisional Data
Subject to Revision*



Current as of June 1, 2012

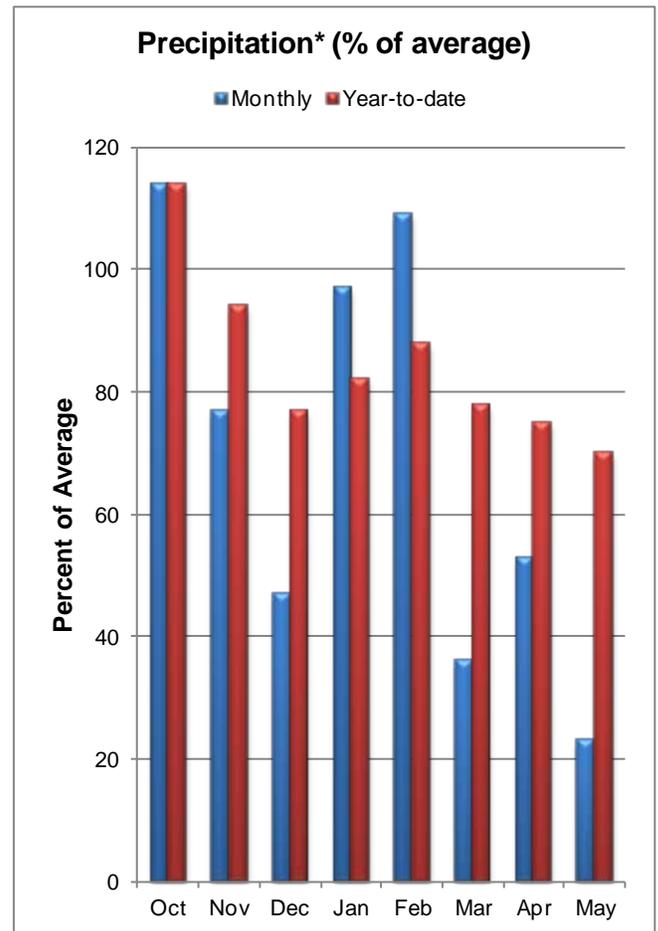
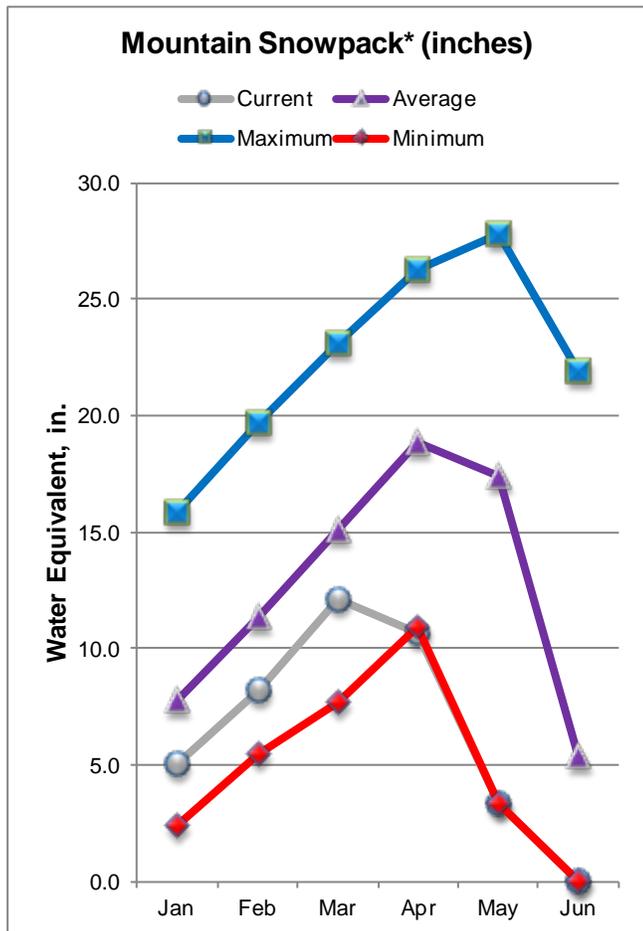
Colorado Streamflow Forecast Map



Current as of June 1, 2012

GUNNISON RIVER BASIN

as of June 1, 2012



*Based on selected stations

As of June 1 all thirteen SNOTEL sites in the Gunnison River basin were reporting 0 inches of SWE. In fact the basin's snowpack had completely melted out by May 21, just over three weeks earlier than normal. The snowpack in this basin peaked on March 22 at just 69 percent of the average peak which typically occurs on April 12. As a percent of average, May shaped up to be the driest month recorded so far this water year within the basin. Total precipitation recorded for the month of May was just 23 percent of average; this is the third consecutive month reporting well below average precipitation. Year to date precipitation dropped 5 percentage points from last month and was 70 percent of average as of June 1.

Reservoir storage decreased by 3,000 acre feet during May but is still in good shape heading into the summer. Stored volumes are at 103 percent of average and 109 percent of what was stored this time last year. Warm, dry conditions this spring pushed the snowpack into the streams much earlier than normal. Many streams in the Gunnison River basin saw observed flows in late March and early April that were above average. This early season runoff means less water available during the typical peak runoff season in June. June to July streamflow volumes are forecast to be just 6 percent of average at Tomichi Creek at Gunnison and 30 percent of average for the Inflow to Ridgway Reservoir on the Uncompahgre River above Colona, CO.

GUNNISON RIVER BASIN
Streamflow Forecasts - June 1, 2012

Forecast Point	Forecast Period	<<==== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)
		90%		50%		10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
Taylor Park Reservoir Inflow (2)	APR-JUL	33	36	39	38	42	47	103
	JUN-JUL	6.7	10.2	13.0	19	16.1	21	68
Slate R nr Crested Butte	APR-JUL	29	31	33	37	35	38	89
	JUN-JUL	5.0	7.2	9.0	20	11.0	14.2	46
East R at Almont	APR-JUL	51	55	58	30	61	67	192
	JUN-JUL	11.0	15.0	18.0	15	21	27	118
Gunnison R near Gunnison (2)	APR-JUL	83	90	95	24	101	111	390
	JUN-JUL	16.0	23	28	12	34	44	240
Tomichi Ck at Sargents	APR-JUL	5.2	5.8	6.3	20	7.0	8.2	32
	JUN-JUL	0.9	1.5	2.0	13	2.7	3.9	15.7
Cochetopa Ck bl Rock Ck nr Parlin	APR-JUL	2.5	2.8	3.1	18	3.5	4.3	17.3
	JUN-JUL	0.2	0.5	0.8	9	1.1	2.0	8.0
Tomichi Ck at Gunnison	APR-JUL	4.2	5.1	6.0	7	7.1	9.3	81
	JUN-JUL	0.8	1.6	2.5	6	3.6	5.8	43
Lake Fk at Gateview	APR-JUL	53	57	60	48	64	69	126
	JUN-JUL	16.2	21	24	27	28	33	88
Blue Mesa Reservoir Inflow (2)	APR-JUL	174	187	196	27	205	220	720
	JUN-JUL	43	56	65	15	75	91	425
Paonia Reservoir Inflow (2)	MAR-JUN	28	29	30	30	31	33	100
	JUNE	0.2	1.0	2.0	7	3.3	5.7	27
	APR-JUL	20	21	23	23	25	28	102
	JUN-JUL	0.3	1.6	3.0	9	4.9	8.4	33
NF Gunnison R nr Somerset (2)	APR-JUL	80	85	89	29	93	100	305
	JUN-JUL	13.0	18.0	22	17	26	33	130
Surface Ck at Cedaredge	APR-JUL	6.4	6.6	6.9	40	7.2	7.7	17.1
	JUN-JUL	0.5	0.8	1.0	12	1.3	1.8	8.3
Ridgway Reservoir Inflow (2)	APR-JUL	39	43	46	45	49	54	102
	JUN-JUL	14.4	18.2	21	30	24	29	69
Uncompahgre R at Colona (2)	APR-JUL	33	38	42	30	47	55	139
	JUN-JUL	6.2	11.0	15.0	17	19.7	28	88
Gunnison R nr Grand Junction (2)	APR-JUL	335	360	380	24	405	440	1560
	JUN-JUL	30	53	73	9	96	134	785

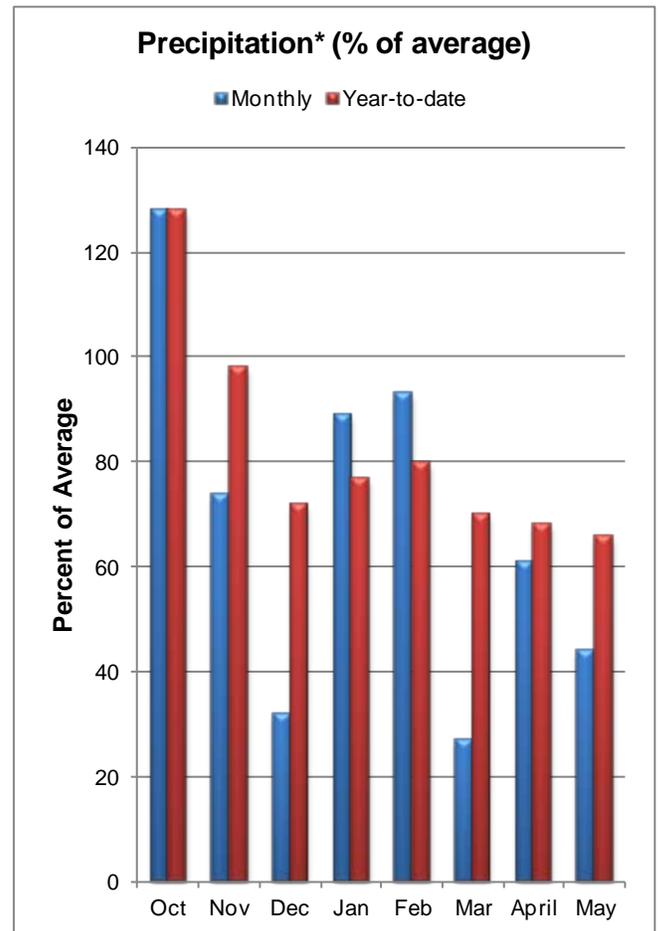
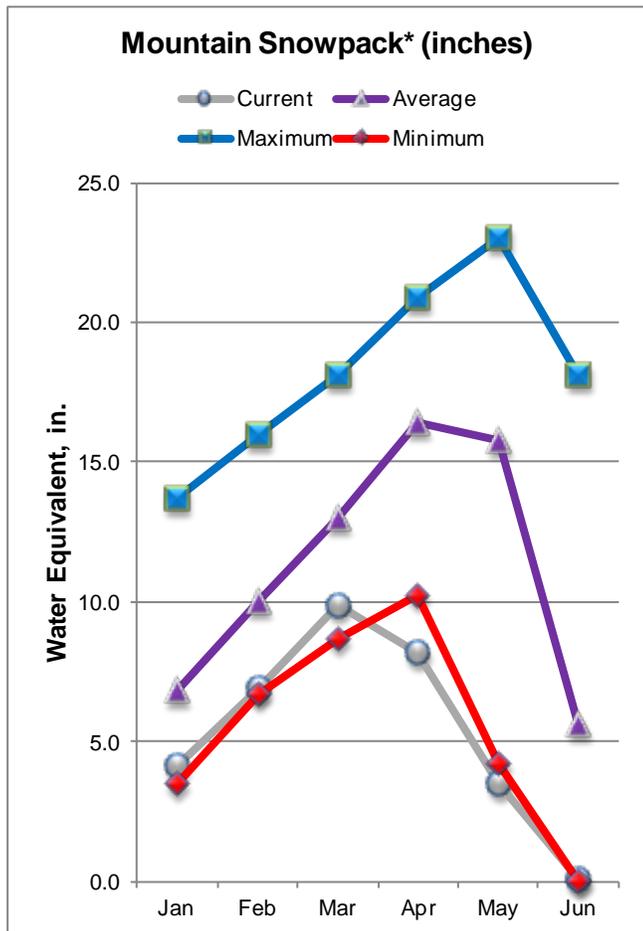
GUNNISON RIVER BASIN Reservoir Storage (1000 AF) - End of May					GUNNISON RIVER BASIN Watershed Snowpack Analysis - June 1, 2012			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BLUE MESA	830.0	526.3	493.0	517.1	UPPER GUNNISON BASIN	9	0	0
CRAWFORD	14.0	9.2	14.0	12.6	SURFACE CREEK BASIN	2	0	0
FRUITGROWERS	3.6	2.8	3.4	4.0	UNCOMPAHGRE BASIN	3	0	0
FRUITLAND	9.2	1.6	7.9	6.3	TOTAL GUNNISON RIVER BASIN	12	0	0
MORROW POINT	121.0	112.3	114.0	113.8				
PAONIA	15.4	15.3	2.6	15.7				
RIDGWAY	83.0	75.1	57.5	61.2				
TAYLOR PARK	106.0	80.5	61.0	71.8				

* 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 June 1, 2012



*Based on selected stations

On June 1 the snowpack in the Colorado River basin was just 1 percent of average, with only 2 out of the 28 SNOTEL sites in the basin reporting measurable snow. The only sub basins reporting snow were the Blue River basin at 3 percent of average and the Upper Colorado at 1 percent of average. The most recent data reveals that snowpack measurements have been zero since June 2 at all SNOTEL sites in the basin. This is 19 days earlier than the normal melt out date of June 21. May was another well below average month for precipitation, with the basin reporting totals at just 44 percent of average. Cumulative precipitation for the water year has fallen to just 66 percent of average and 49 percent of the total recorded last year on June 1.

Reservoir storage in the basin remains above average. Storage volumes at the end of May were 113 percent of average which equates to 905,000 acre feet stored. Last month the reservoirs in this basin were storing 867,000 acre feet of water. Water supply forecasts for April to July have dropped a few percentage points from those issued last month; they are now, on average, 41 percent of average. With the snowpack already depleted forecasts for the remainder of the season (June - July) are well below average. They range from 19 percent of average for both Willow Creek Reservoir Inflow and Muddy Creek below Wolford Mountain Reservoir to 33percent of average for the Inflow to Green Mountain Reservoir.

UPPER COLORADO RIVER BASIN
Streamflow Forecasts - June 1, 2012

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)		
Lake Granby Inflow (2)	APR-JUL	96	104	110	49	117	127	225				
	JUN-JUL	31	39	45	29	52	62	156				
Willow Ck Reservoir Inflow (2)	APR-JUL	18.0	19.4	21	41	22	24	51				
	JUN-JUL	2.0	3.4	4.5	19	5.8	8.0	24				
Williams Fk Reservoir Inflow (2)	APR-JUL	36	40	42	44	45	50	95				
	JUN-JUL	15.3	19.2	22	32	25	30	68				
Dillon Reservoir Inflow (2)	APR-JUL	59	65	70	42	75	82	167				
	JUN-JUL	24	30	35	29	40	47	119				
Green Mountain Reservoir Inflow (2)	APR-JUL	104	116	125	45	134	149	280				
	JUN-JUL	44	56	65	33	74	89	199				
Muddy Ck bl Wolford Mtn Resv (2)	APR-JUL	17.0	18.7	21	35	23	28	60				
	JUN-JUL	0.4	2.1	4.0	19	6.5	11.2	21				
Eagle R bl Gypsum (2)	APR-JUL	115	128	137	41	147	164	335				
	JUN-JUL	33	46	55	24	65	82	225				
Colorado R nr Dotsero (2)	APR-JUL	475	520	555	39	595	655	1440				
	JUN-JUL	143	189	225	25	265	325	905				
Ruedi Reservoir Inflow (2)	APR-JUL	43	47	57	40	68	84	141				
	JUN-JUL	9.2	13.0	23	24	34	50	96				
Roaring Fk at Glenwood Springs (2)	APR-JUL	205	245	275	39	305	345	710				
	JUN-JUL	62	102	130	27	158	198	490				
Colorado R nr Cameo (2)	APR-JUL	800	875	930	38	990	1080	2420				
	JUN-JUL	250	325	380	25	440	535	1530				

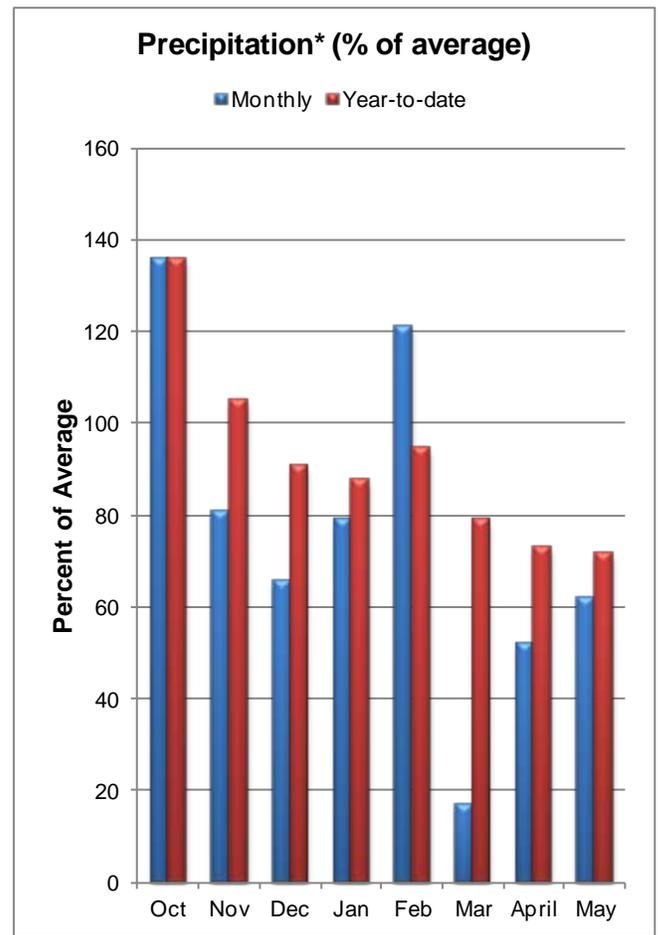
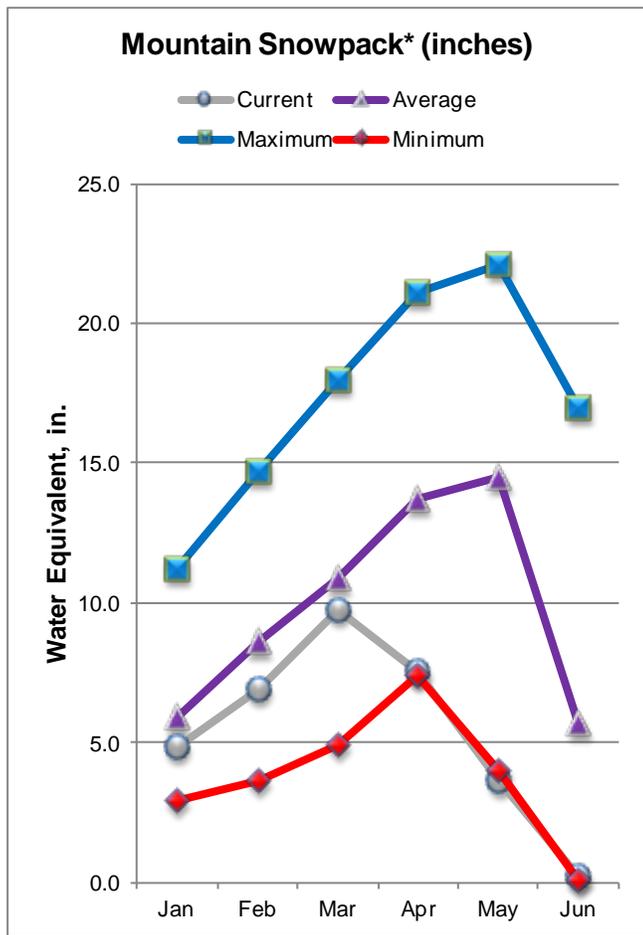
UPPER COLORADO RIVER BASIN Reservoir Storage (1000 AF) - End of May					UPPER COLORADO RIVER BASIN Watershed Snowpack Analysis - June 1, 2012			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
DILLON	254.0	243.1	184.9	229.0	BLUE RIVER BASIN	5	1	3
LAKE GRANBY	465.6	351.5	282.2	302.9	UPPER COLORADO RIVER BASIN	19	0	1
GREEN MOUNTAIN	146.8	95.0	54.8	76.1	MUDDY CREEK BASIN	2	0	0
HOMESTAKE	43.0	0.3	14.7	20.3	PLATEAU CREEK BASIN	2	0	0
RUEDI	102.0	85.1	63.2	74.2	ROARING FORK BASIN	7	0	0
VEGA	32.9	30.6	30.3	29.2	WILLIAMS FORK BASIN	2	0	0
WILLIAMS FORK	97.0	91.9	79.6	63.6	WILLOW CREEK BASIN	2	0	0
WILLOW CREEK	9.1	7.1	1.7	7.4	TOTAL COLORADO RIVER BASIN	28	0	1

* 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 June 1, 2012



*Based on selected stations

As of June 1 the South Platte basin's snowpack was just 3 percent of average with only 1 of the 17 SNOTEL sites in the basin reporting any snow. Snow accumulation in this basin peaked in early March with a snowpack at 89 percent of average as of March 1. Subsequent months have exemplified the term “downward trend” with April 1 surveys at 55 percent of average and May 1 reports at 25 percent of average. Precipitation during the month of May was 62 percent of average, and 47 percent of the precipitation recorded in May of 2011. Year to date precipitation was at 72 percent of average on June 1.

End of May reservoir storage in the basin was 95 percent of average; storage volumes are down 9,000 acre feet from those reported at the end of April. Reservoir storage percentages are expected to drop in the coming months due to increased water use and the effects of low snowpack and early runoff. The current streamflow forecasts for the South Platte basin are slightly higher than those issued last month due to higher than expected observed flows in April and May. Forecasts for the remainder of the forecast period (June to July) are expected to range from 20 percent of average for Bear Creek above Evergreen, CO to 52 percent of average for South Boulder Creek near Eldorado Springs, CO. Elsewhere in the basin Clear Creek at Golden is expected to be at 31 percent of average from June to July and the Cache la Poudre at Canyon Mouth gage is forecast to flow at 39 percent of average from June to July.

SOUTH PLATTE RIVER BASIN
Streamflow Forecasts - June 1, 2012

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)	(1000AF)	(1000AF)
Antero Reservoir Inflow (2)	APR-JUL	3.2	4.1	4.9	29	5.8	7.5	16.8				
	APR-SEP	3.4	4.7	5.8	26	7.3	9.8	22				
	JUN-JUL	0.9	1.8	2.6	23	3.5	5.2	11.5				
	JUN-SEP	1.1	2.4	3.5	23	5.0	7.5	15.4				
Spinney Mountain Res Inflow (2)	APR-JUL	12.1	15.7	18.9	34	23	29	56				
	APR-SEP	13.1	18.3	23	33	28	38	69				
	JUN-JUL	4.2	7.8	11.0	28	15.1	21	39				
	JUN-SEP	5.2	10.4	15.1	29	20	30	52				
Elevenmile Canyon Res Inflow (2)	APR-JUL	12.0	15.6	18.8	32	22	29	58				
	APR-SEP	13.2	18.8	24	33	30	40	72				
	JUN-JUL	4.2	7.8	11.0	27	14.2	21	41				
	JUN-SEP	5.4	11.0	16.2	30	22	32	54				
Cheesman Lake Inflow (2)	APR-JUL	22	29	35	31	42	54	114				
	APR-SEP	23	34	43	31	54	74	140				
	JUN-JUL	7.3	14.3	20	28	27	39	72				
	JUN-SEP	8.3	19.3	28	28	39	59	99				
South Platte R at South Platte (2)	APR-JUL	39	51	62	30	74	95	205				
	APR-SEP	43	61	77	30	96	128	255				
	JUN-JUL	17.0	29	40	32	52	73	124				
	JUN-SEP	21	39	55	32	74	106	172				
Bear Ck ab Evergreen	APR-JUL	2.7	3.4	4.2	22	4.9	6.6	19.3				
	APR-SEP	3.6	4.9	6.2	25	7.6	10.0	25				
	JUN-JUL	0.5	1.3	2.1	20	2.8	4.4	10.4				
	JUN-SEP	1.4	2.8	4.0	25	5.4	7.8	16.0				
Bear Ck at Morrison	APR-JUL	2.9	4.0	5.2	21	6.7	9.6	25				
	APR-SEP	3.5	5.4	7.2	23	9.4	13.5	31				
	JUN-JUL	0.5	1.6	2.8	24	4.3	7.2	11.9				
	JUN-SEP	1.1	3.0	4.8	27	7.0	11.1	17.7				
Clear Ck at Golden	APR-JUL	34	39	44	40	49	57	110				
	APR-SEP	39	47	54	40	61	73	134				
	JUN-JUL	14.9	19.9	25	31	30	38	82				
	JUN-SEP	20	28	35	33	42	54	106				
St. Vrain Ck at Lyons (2)	APR-JUL	40	45	49	52	53	59	94				
	APR-SEP	47	54	59	54	64	73	109				
	JUN-JUL	21	26	30	48	34	40	62				
	JUN-SEP	28	35	40	51	45	54	78				
Boulder Ck nr Orodell (2)	APR-JUL	21	23	25	48	27	30	52				
	APR-SEP	24	26	29	48	31	35	60				
	JUN-JUL	9.9	11.9	13.9	42	15.9	18.9	33				
	JUN-SEP	12.9	14.9	17.9	45	19.9	24	40				
S Boulder Ck nr Eldorado Springs (2)	JUN-JUL	5.9	10.0	13.4	52	17.3	24	26				
	JUN-SEP	7.0	12.0	16.2	54	21	29	30				
Big Thompson R at Canyon Mouth (2)	APR-JUL	31	36	40	40	44	51	99				
	APR-SEP	37	44	49	41	55	64	119				
	JUN-JUL	16.4	21	25	36	29	36	70				
	JUN-SEP	22	29	34	39	40	49	88				
Cache La Poudre at Canyon Mouth (2)	APR-JUL	96	111	123	50	136	157	245				
	APR-SEP	104	122	136	50	151	177	275				
	JUN-JUL	35	50	62	39	75	96	160				
	JUN-SEP	43	61	75	40	90	116	186				

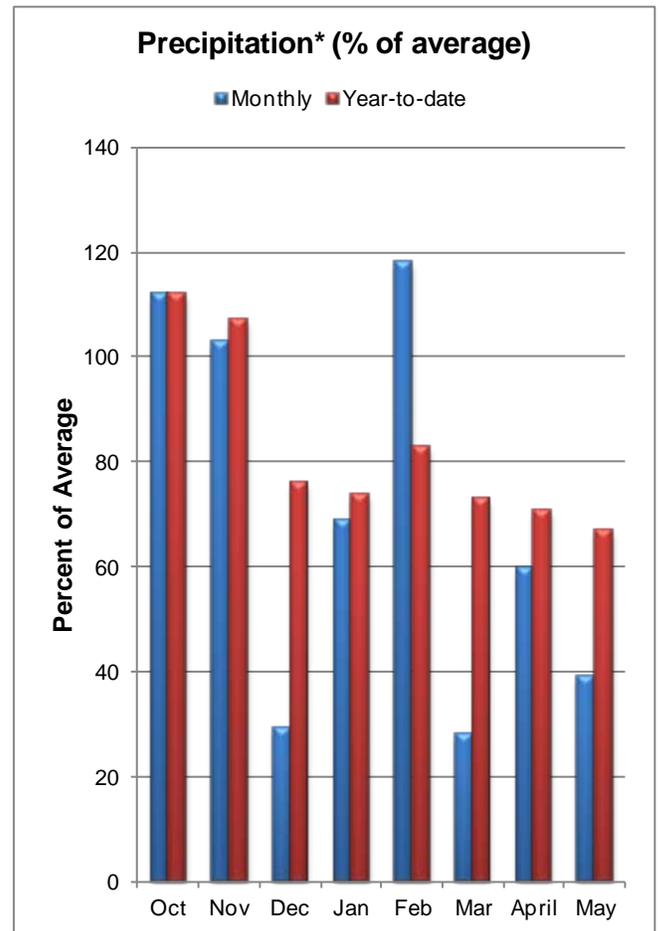
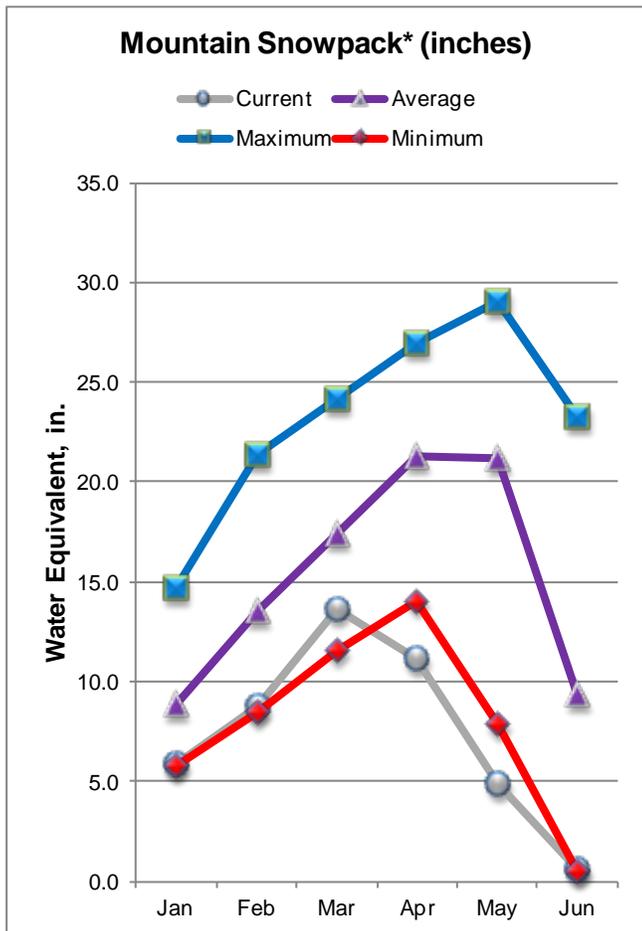
SOUTH PLATTE RIVER BASIN Reservoir Storage (1000 AF) - End of May					SOUTH PLATTE RIVER BASIN Watershed Snowpack Analysis - June 1, 2012			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
ANTERO	19.9	15.8	17.5	16.0	BIG THOMPSON BASIN	3	0	0
BARR LAKE	30.1	23.6	28.4	27.7	BOULDER CREEK BASIN	3	9	27
BLACK HOLLOW	6.5	4.6	4.5	4.4	CACHE LA POUFRE BASIN	2	0	0
BOYD LAKE	48.4	36.9	42.2	40.0	CLEAR CREEK BASIN	2	0	0
BUTTON ROCK/RALPH PRICE	16.2	13.7	11.8	14.7	SAINT VRRAIN BASIN	1	0	0
CACHE LA POUFRE	10.1	10.0	9.6	9.1	UPPER SOUTH PLATTE BASIN	6	0	0
CARTER	108.9	83.2	103.9	100.2	TOTAL SOUTH PLATTE BASIN	17	1	3
CHAMBERS LAKE	8.8	7.3	3.4	5.8				
CHEESMAN	79.0	71.4	66.8	66.2				
COBB LAKE	22.3	17.9	20.1	14.7				
ELEVEN MILE	98.0	99.9	100.0	97.1				
EMPIRE	36.5	27.9	36.5	30.7				
FOSSIL CREEK	11.1	9.7	10.1	8.0				
GROSS	41.8	34.8	16.1	28.8				
HALLIGAN	6.4	5.2	6.4	6.0				
HORSECREEK	14.7	10.4	11.6	14.1				
HORSETOOTH	149.7	126.3	109.2	123.2				
JACKSON	26.1	25.0	26.1	30.6				
JULESBURG	20.5	19.7	19.6	21.5				
LAKE LOVELAND	10.3	6.8	9.1	11.0				
LONE TREE	8.7	7.8	8.4	8.6				
MARIANO	5.4	3.5	5.1	5.4				
MARSHALL	10.0	9.5	6.5	8.2				
MARSTON	13.0	8.2	10.2	15.3				
MILTON	23.5	18.3	22.7	19.3				
POINT OF ROCKS	70.6	57.0	68.9	66.3				
PREWITT	28.2	20.9	24.6	26.7				
RIVERSIDE	55.8	42.6	55.7	56.0				
SPINNEY MOUNTAIN	49.0	43.4	35.1	35.6				
STANDLEY	42.0	37.7	34.3	36.8				
TERRY LAKE	8.0	7.9	5.6	7.0				
UNION	13.0	11.3	12.6	12.2				
WINDSOR	15.2	11.6	14.6	15.0				

* 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.

YAMPA, WHITE, NORTH PLATTE AND LARAMIE RIVER BASINS as of June 1, 2012



*Based on selected stations

Although only 3 out of the 24 SNOTEL locations in these basins had snow remaining at them on June 1, they did have the most measurable snow remaining in the state. Measurements in the North Platte basin were 8 percent of average, while the combined Yampa and White basins surveys reported the snowpack at just 6 percent of average. For the combined basins the snowpack peaked at just 66 percent of the average peak accumulation total on March 6. This is a significant 41 days ahead of the average peak date of April 17. What little snow remains will likely disappear in the next week, around 20 days ahead of the normal melt out date.

Precipitation in these basins was only 39 percent of average during May marking the third consecutive month the basins have reported below average precipitation. The water year total is now just 67 percent of average and 47 percent of the water year total at this time last year. Storage in Stagecoach reservoir remains in good condition this month at 113 percent of average which is a decline from last month's report of 122 percent of average. Another dry and warm month in these basins has nudged seasonal streamflow forecasts even lower this month. April to July forecasts issued on June 1 decreased 1 to 9 percentage points from those issued last month. Forecasts for June to July now range from 9 percent of average for the Little Snake River near Dixon to 33 percent of average for the Laramie River near Woods Landing.

YAMPA, WHITE, AND NORTH PLATTE RIVER BASINS
Streamflow Forecasts - June 1, 2012

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)	(1000AF)	(1000AF)
North Platte R nr Northgate	JUN-JUL	6.0	11.0	29	22	47	73	133				
	JUN-SEP	10.0	14.0	36	23	58	90	159				
Laramie R nr Woods	JUN-JUL	3.1	16.1	25	33	34	47	77				
	JUN-SEP	4.9	19.8	30	34	40	55	89				
Yampa R ab Stagecoach Reservoir (2)	APR-JUL	5.1	5.4	5.7	24	6.1	6.8	24				
	JUN-JUL	0.4	0.7	1.0	10	1.4	2.1	10.1				
Yampa R at Steamboat Springs (2)	APR-JUL	105	112	117	42	123	134	280				
	JUN-JUL	10.0	16.0	22	16	28	39	138				
Elk R nr Milner	APR-JUL	152	162	170	52	179	194	325				
	JUN-JUL	17.0	27	35	22	44	59	158				
Elkhead Ck ab Long Gulch nr Hayden	APR-JUL	20	20	21	30	22	24	71				
	JUN-JUL	0.0	0.2	1.0	10	2.4	4.0	9.8				
Yampa R nr Maybell (2)	APR-JUL	325	350	370	37	390	430	990				
	JUN-JUL	32	55	75	17	97	136	440				
Little Snake R nr Slater (2)	APR-JUL	67	70	73	46	77	83	159				
	JUN-JUL	2.7	6.0	9.0	13	12.6	18.9	71				
Little Snake R nr Savery (2)	APR-JUL	98	103	109	33	117	132	330				
	JUN-JUL	1.0	6.0	12.0	9	20	35	133				
Little Snake R nr Lily (2)	APR-JUL	105	111	117	32	126	142	365				
	JUN-JUL	2.0	8.0	14.0	10	23	39	148				
White R nr Meeker	APR-JUL	97	106	114	39	123	137	290				
	JUN-JUL	15.0	24	32	20	41	55	160				

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

YAMPA, WHITE, AND NORTH PLATTE RIVER BASINS
Watershed Snowpack Analysis - June 1, 2012

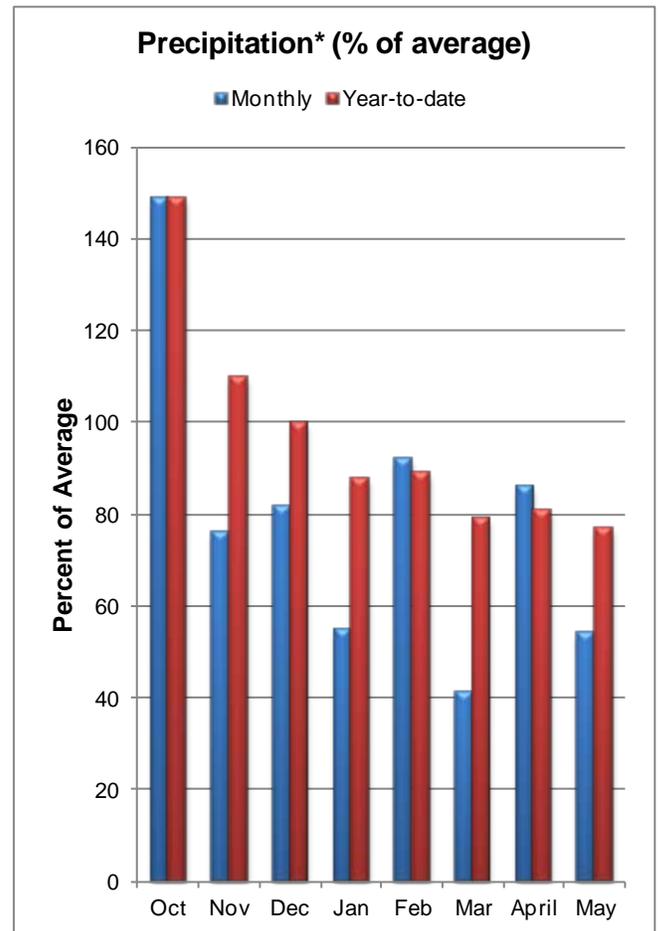
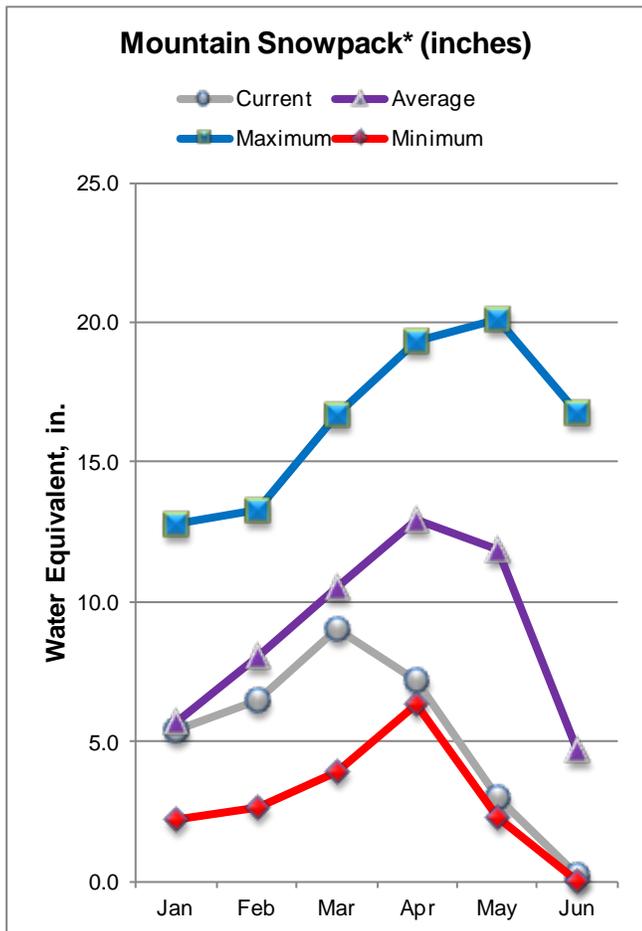
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
STAGECOACH	36.4	33.9	37.2	29.9	LARAMIE RIVER BASIN	2	0	0
YAMCOLO		NO REPORT			NORTH PLATTE RIVER BASIN	7	3	9
					TOTAL NORTH PLATTE BASIN	9	3	8
					ELK RIVER BASIN	2	0	0
					YAMPA RIVER BASIN	9	3	8
					WHITE RIVER BASIN	4	0	1
					TOTAL YAMPA AND WHITE RIV	12	2	6
					LITTLE SNAKE RIVER BASIN	6	4	11
					TOTAL YAMPA, WHITE AND NO	24	2	6

* 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.

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

ARKANSAS RIVER BASIN as of June 1, 2012



*Based on selected stations

The Arkansas River basin reported a snowpack at just 4 percent of its average on June 1. Of the 6 SNOTEL sites in the basin only the Fremont Pass site had any measurable snow on June 1. Snow accumulation peaked in the Arkansas basin on March 13 at 75 percent of the average peak amount. This is an entire month ahead of the average peak date which occurs on April 13. Warm, dry conditions in the basin accelerated snowmelt causing the snow to disappear about two weeks ahead of the typical melt out date. Precipitation during the month of May was only 54 percent of average making it the seventh consecutive month with below average precipitation in the basin. Water year to date precipitation has dropped to 77 percent of average and 87 percent of what was reported last year on June 1.

Combined reservoir storage in the 13 reservoirs in the basin was at 78 percent of average at the end of May. The reservoirs in the upper portion of the basin were storing volumes that are above average for this time of year. Current seasonal streamflow forecasts for the April to July period have increased slightly from those issued last month. Forecasts for the remainder of the season (June to July) range from 22 percent for the Cucharas River near La Veta to 36 percent of average for the Huerfano River near Redwing. The Arkansas River at Salida is expected to flow at 24 percent of average from June to July

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ARKANSAS RIVER BASIN
Streamflow Forecasts - June 1, 2012

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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)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Chalk Ck nr Nathrop	APR-JUL	5.6	7.1	8.5	37	10.2	13.1	23
	JUN-JUL	1.3	2.8	4.2	23	5.9	8.8	18.0
	APR-SEP	6.0	8.2	10.2	38	12.6	16.8	27
	JUN-SEP	1.7	3.9	5.9	26	8.3	12.5	23
Arkansas R at Salida (2)	APR-JUL	64	79	92	36	107	133	255
	JUN-JUL	16.0	31	44	24	59	85	187
	APR-SEP	70	91	110	36	132	171	310
	JUN-SEP	22	43	62	25	84	123	245
Grape Ck nr Westcliffe	APR-JUL	1.9	3.0	4.2	26	5.8	8.9	16.1
	JUN-JUL	0.2	1.3	2.4	27	4.0	7.2	8.8
	APR-SEP	2.2	3.6	5.2	27	7.2	11.0	19.6
	JUN-SEP	0.5	1.8	3.4	28	5.4	9.2	12.3
Arkansas R ab Pueblo (2)	APR-JUL	80	99	116	30	135	169	385
	JUN-JUL	24	43	60	23	79	113	259
	APR-SEP	92	121	146	30	175	225	485
	JUN-SEP	36	65	90	25	119	169	360
Huerfano R nr Redwing	APR-JUL	4.4	5.3	6.0	49	6.9	8.3	12.3
	JUN-JUL	1.2	2.1	2.8	36	3.7	5.1	7.7
	APR-SEP	5.1	6.4	7.5	48	8.7	10.8	15.5
	JUN-SEP	1.9	3.2	4.3	39	5.5	7.6	11.0
Cucharas R nr La Veta	APR-JUL	6.7	7.2	7.6	67	8.1	9.1	11.3
	JUN-JUL	0.4	0.9	1.3	22	1.8	2.8	6.0
	APR-SEP	7.4	8.1	8.7	67	9.4	10.6	13.0
	JUN-SEP	1.1	1.8	2.4	31	3.1	4.3	7.8
Purgatoire R at Trinidad (2)	MAR-JUL	10.6	12.5	14.2	42	16.4	20	34
	JUN-JUL	1.0	2.9	4.6	24	6.8	10.4	19.0
	APR-SEP	12.3	16.4	20	46	24	32	44
	JUN-SEP	4.0	8.1	11.7	38	15.7	24	31

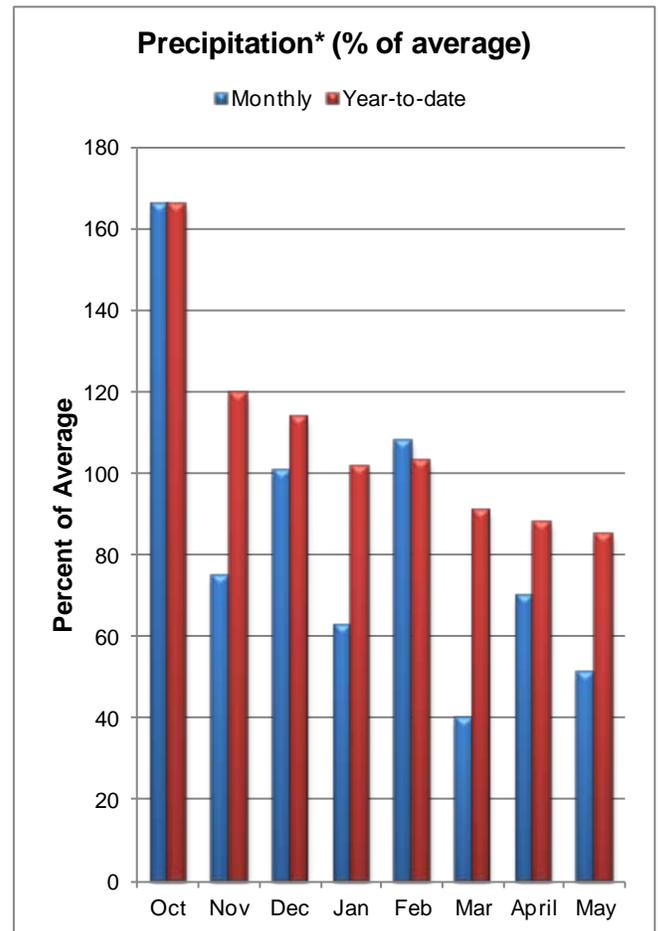
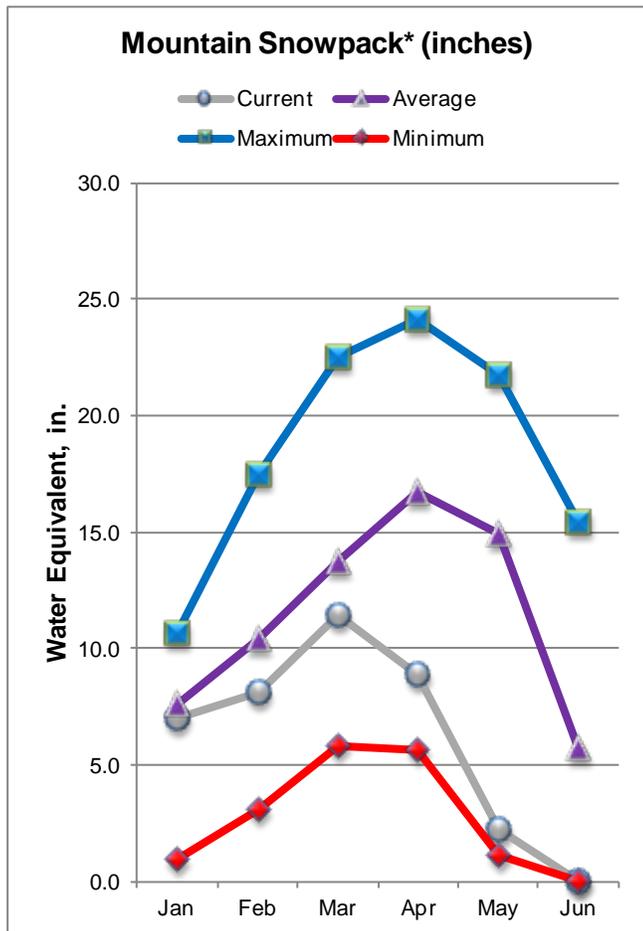
ARKANSAS RIVER BASIN Reservoir Storage (1000 AF) - End of May					ARKANSAS RIVER BASIN Watershed Snowpack Analysis - June 1, 2012			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
ADOBE	62.0	22.1	25.0	33.0	UPPER ARKANSAS BASIN	3	3	4
CLEAR CREEK	11.4	7.5	5.8	6.3	CUCHARAS & HUERFANO RIVER	2	0	0
CUCHARAS RESERVOIR	40.0	0.1	0.1	6.4	PURGATOIRE RIVER BASIN	2	0	0
GREAT PLAINS	150.0	0.0	0.0	39.3	TOTAL ARKANSAS RIVER BASIN	6	3	4
HOLBROOK	7.0	0.5	0.9	4.1				
HORSE CREEK	27.0	0.0	0.0	10.0				
JOHN MARTIN	616.0	28.4	35.8	128.1				
LAKE HENRY	8.0	6.4	7.1	5.7				
MEREDITH	42.0	21.6	22.9	18.5				
PUEBLO	354.0	211.9	219.7	160.1				
TRINIDAD	167.0	16.1	17.6	29.7				
TURQUOISE	127.0	81.3	51.4	77.6				
TWIN LAKES	86.0	43.8	17.9	42.6				

* 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 June 1, 2012



*Based on selected stations

It comes as no surprise that the snowpack in the Upper Rio Grande basin was completely depleted as of June 1 with the snowpack percentage a big zero. Last month the snowpack percentage was just 15 percent of average with only two of the four sub basins holding any snow. Persistent warm and dry conditions made sure that all measurable snow was melted by May 27 leaving dry slopes nearly a month ahead of the normal melt out date. Precipitation in the basin during May was 51 percent of average, and water year to date precipitation is now 85 percent of average. This percentage may not seem so low but it is important to keep in mind that it is skewed heavily by the well above average precipitation in the basin received back in October.

Reservoir storage in the basin is currently showing the effect of the below average snowpack received this year. The six reservoirs in the Upper Rio Grande basin are currently storing 59,000 acre feet of water, which is 57 percent of the average storage for June 1. This is an 8,000 acre feet reduction from volumes reported last month. Current streamflow forecasts issued on June 1 have increased slightly from those issued last month due to higher than expected observed flows in April and May. The forecasts for June to September now range from 39 percent of average flows expected on Saguache Creek near Saguache to 26 percent of average flows into Platoro Reservoir.

UPPER RIO GRANDE BASIN
Streamflow Forecasts - June 1, 2012

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	66	73	79	58	86	97	136
	JUN-SEP	13.7	21	27	28	34	45	96
	APR-JUL	65	69	72	61	76	82	118
	JUN-JUL	12.5	16.7	20	25	24	30	80
Rio Grande at Wagon Wheel Gap (2)	APR-SEP	186	210	225	65	240	270	345
	JUN-SEP	47	69	85	37	103	133	230
SF Rio Grande at South Fork (2)	APR-SEP	70	75	79	60	83	91	132
	JUN-SEP	15.2	20	24	32	28	36	75
Rio Grande nr Del Norte (2)	APR-SEP	285	305	325	61	345	375	531
	JUN-SEP	73	95	113	34	133	166	337
Saguache Ck nr Saguache (2)	APR-SEP	10.0	12.6	14.7	45	17.2	21	33
	JUN-SEP	3.3	5.9	8.0	39	10.5	14.7	21
Alamosa Ck ab Terrace Reservoir	APR-SEP	33	35	37	53	40	44	70
	JUN-SEP	8.1	10.8	13.0	31	15.5	19.6	42
La Jara Ck nr Capulin	MAR-JUL	3.6	3.9	4.2	48	4.5	5.1	8.7
	JUN-JUL	0.4	0.7	1.0	41	1.3	1.9	2.4
Trinchera Ck ab Turners Ranch	APR-SEP	5.7	6.2	6.7	56	7.2	8.1	12.0
	JUN-SEP	1.0	1.6	2.0	36	2.5	3.4	5.6
Sangre de Cristo Ck (2)	APR-SEP	3.9	3.9	4.2	48	4.8	6.3	8.8
	JUN-SEP	0.0	0.0	0.3	12	0.9	2.4	2.6
Ute Creek	APR-SEP	3.3	4.2	5.0	41	6.0	7.9	12.2
	JUN-SEP	0.7	1.6	2.5	32	3.5	5.4	7.8
Platoro Reservoir Inflow	APR-JUL	34	36	38	59	40	44	64
	JUN-JUL	6.0	8.2	10.0	25	12.0	15.4	40
	APR-SEP	36	38	40	56	42	46	71
	JUN-SEP	7.6	10.1	12.0	26	14.2	17.8	46
Conejos R nr Mogote (2)	APR-SEP	105	113	119	60	126	138	200
	JUN-SEP	26	34	40	32	47	59	125
San Antonio R at Ortiz	APR-SEP	5.6	5.8	6.0	37	6.2	6.6	16.4
	JUN-SEP	0.2	0.3	0.5	34	0.7	1.1	1.5
Los Pinos R nr Ortiz	APR-SEP	40	42	43	58	45	49	74
	JUN-SEP	4.2	6.3	8.0	29	10.0	13.5	28
Culebra Ck at San Luis (2)	APR-SEP	6.5	8.4	10.1	44	12.2	16.1	23
	JUN-SEP	2.4	4.3	6.0	36	8.1	12.0	16.7
Costilla Reservoir Inflow	MAR-JUL	3.9	4.4	4.8	45	5.2	6.0	10.6
	JUN-JUL	0.9	1.4	1.8	31	2.2	3.0	5.6
Costilla Ck nr Costilla (2)	MAR-JUL	9.2	10.2	11.1	43	12.2	14.1	26
	JUN-JUL	1.6	2.6	3.5	32	4.6	6.5	11.1

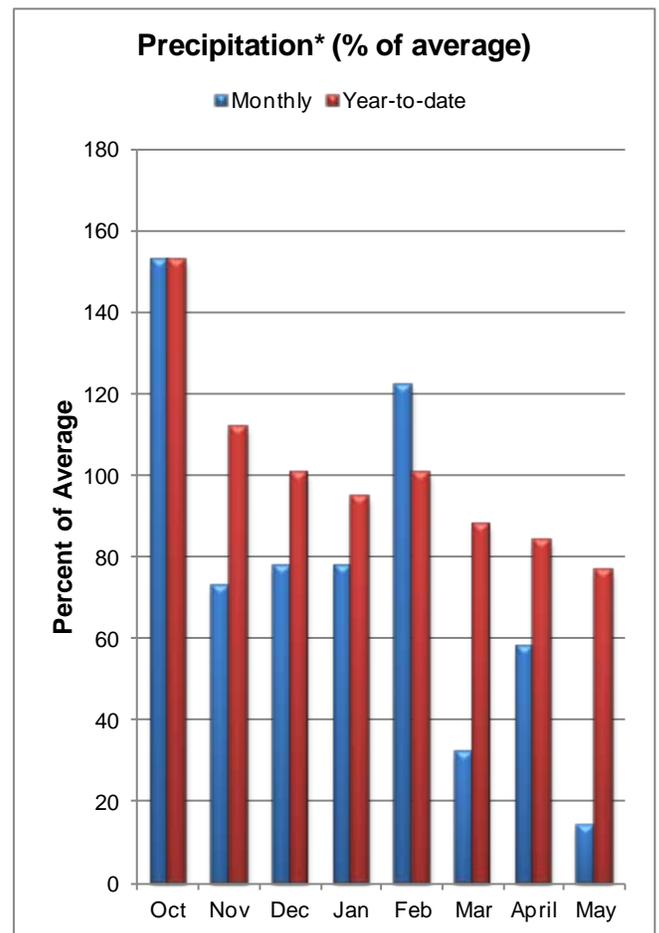
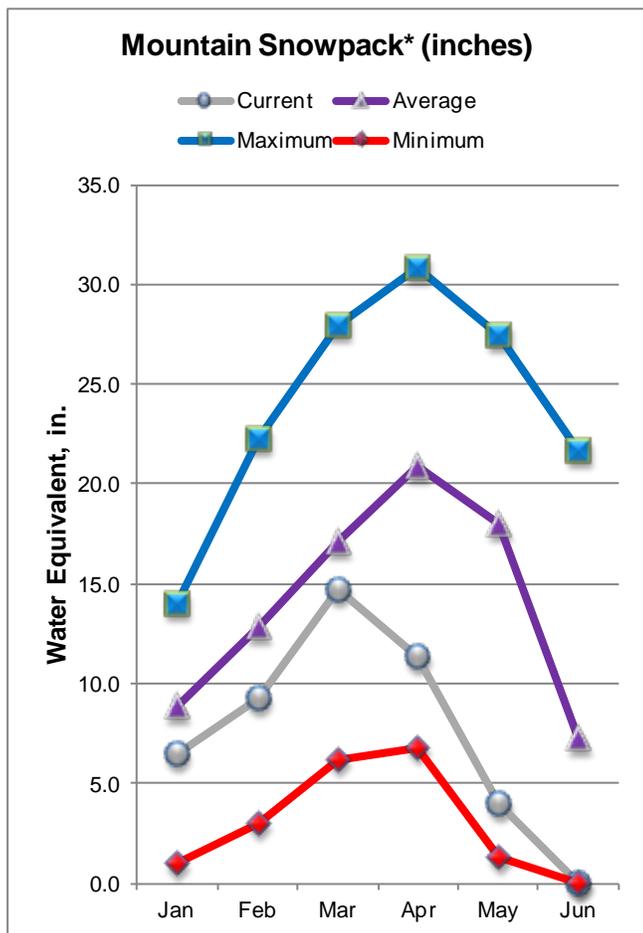
UPPER RIO GRANDE BASIN Reservoir Storage (1000 AF) - End of May					UPPER RIO GRANDE BASIN Watershed Snowpack Analysis - June 1, 2012			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CONTINENTAL	27.0	5.1	6.3	8.2	ALAMOSA CREEK BASIN	1	0	0
PLATORO	60.0	19.6	21.4	24.5	CONEJOS & RIO SAN ANTONIO	2	0	0
RIO GRANDE	51.0	10.1	19.1	24.2	CULEBRA & TRINCHERA CREEK	3	0	0
SANCHEZ	103.0	8.8	13.9	26.9	UPPER RIO GRANDE BASIN	4	0	0
SANTA MARIA	45.0	7.4	6.0	11.4	TOTAL UPPER RIO GRANDE BA	10	0	0
TERRACE	18.0	7.6	5.5	8.0				

* 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.

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS as of June 1, 2012



*Based on selected stations

Out of the 16 SNOTEL sites located in these basins, none of them had any measurable snow remaining at them on June 1. By May 27, warm temperatures coupled with dry conditions had completely melted out the well below average snowpack nearly a month before the average melt out date. The combined San Miguel, Dolores, Animas and San Juan basins fared better than other basins in the state this water year as far as snow accumulation was concerned, in that they did not approach the low snowpack numbers reported during the drought of 2002.

May produced the lowest monthly precipitation totals recorded so far this water year in the basins. May precipitation at SNOTEL sites in these basins was a dismal 14 percent of average; the lowest monthly precipitation reported, as a percent of average, by any basin in Colorado for any month so far this water year! As a result year to date precipitation dropped from 84 percent of average reported on May 1 to 77 percent of average as of June 1.

Storage volumes in the basins continue to remain in good shape at 106 percent of average at the end of May and 96 percent of volumes reported last year. Seasonal streamflow forecasts issued this month for the April to July period have dropped again from those issued last month.

Forecasts for the remainder of the season (June to July), range from 12 percent of average for the Inflow to McPhee Reservoir to 26 percent of average expected on the San Miguel River near Placerville and also on the Animas River at Durango.

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS
Streamflow Forecasts - June 1, 2012

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		Drier		Future Conditions		Wetter		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
Dolores R at Dolores	APR-JUL	105	110	113	43	117	125	265
	JUN-JUL	11.0	16.0	20	18	24	32	113
McPhee Reservoir Inflow (2)	APR-JUL	105	110	115	36	120	128	320
	JUN-JUL	7.0	12.0	16.0	12	21	29	130
San Miguel R nr Placerville	APR-JUL	52	55	58	44	61	66	132
	JUN-JUL	14.8	18.3	21	26	24	29	81
Gurley Reservoir Inlet	APR-JUL	4.4	5.9	7.0	38	8.3	10.4	18.3
	JUN-JUL	0.6	1.0	1.5	19	2.1	3.2	8.0
Cone Reservoir Inlet	APR-JUL	0.2	0.6	1.0	31	1.6	2.7	3.3
	JUN-JUL	0.0	0.1	0.2	13	0.4	0.8	1.5
Lilylands Reservoir Inlet	APR-JUL	0.6	0.8	1.0	34	1.2	1.6	2.9
	JUN-JUL	0.1	0.1	0.2	15	0.3	0.5	1.3
Rio Blanco at Blanco Diversion (2)	APR-JUL	22	23	25	47	28	32	53
	JUN-JUL	2.0	2.3	5.0	20	7.7	11.6	25
Navajo R at Oso Diversion (2)	APR-JUL	29	31	32	46	34	36	69
	JUN-JUL	5.1	6.7	8.0	23	9.4	11.8	35
San Juan R nr Carracas (2)	APR-JUL	155	162	179	44	196	220	405
	JUN-JUL	16.0	23	40	22	57	81	186
Piedra R nr Arboles	APR-JUL	90	100	106	46	112	121	230
	JUN-JUL	4.7	13.8	20	23	26	35	89
Vallecito Reservoir Inflow (2)	APR-JUL	96	102	106	52	110	117	205
	JUN-JUL	17.0	24	28	24	32	39	116
Navajo Reservoir Inflow (2)	APR-JUL	300	305	330	42	355	385	785
	JUN-JUL	20	27	50	15	73	106	340
Animas R at Durango	APR-JUL	200	220	230	52	240	255	440
	JUN-JUL	38	54	65	26	76	92	250
Lemon Reservoir Inflow (2)	APR-JUL	30	32	33	57	35	38	58
	JUN-JUL	3.8	5.8	7.3	22	9.0	11.9	33
La Plata R at Hesperus	APR-JUL	10.3	10.7	11.1	44	11.5	12.2	25
	JUN-JUL	1.2	1.6	2.0	18	2.4	3.1	11.0
Mancos River Near Mancos	APR-JUL	11.9	12.4	12.9	39	13.4	14.4	33
Mancos R nr Mancos (2)	JUN-JUL	1.5	2.0	2.5	15	3.0	4.0	16.4

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS Reservoir Storage (1000 AF) - End of May					SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS Watershed Snowpack Analysis - June 1, 2012			
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	10.1	21.0	18.9	ANIMAS RIVER BASIN	7	0	0
JACKSON GULCH	10.0	8.2	7.8	9.3	DOLORES RIVER BASIN	4	0	0
LEMON	40.0	32.0	23.8	29.2	SAN MIGUEL RIVER BASIN	3	0	0
MCPHEE	381.0	338.2	364.3	328.0	SAN JUAN RIVER BASIN	3	0	0
NARRAGUINNEP	19.0	13.6	18.4	17.4	TOTAL SAN MIGUEL, DOLORES	16	0	0
VALLECITO	126.0	123.9	111.3	93.9	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.

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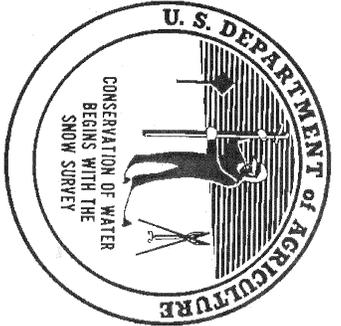


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In addition to the basin outlook reports, water supply forecast information for the Western United States is available from the Natural Resources Conservation Service and the National Weather Service monthly, January through May. The information may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

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