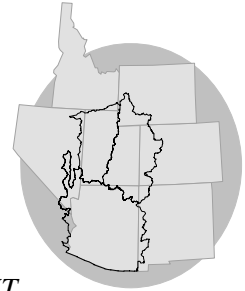


# WATER SUPPLY OUTLOOK

for the  
**UPPER COLORADO**

***COLORADO BASIN  
RIVER FORECAST CENTER***

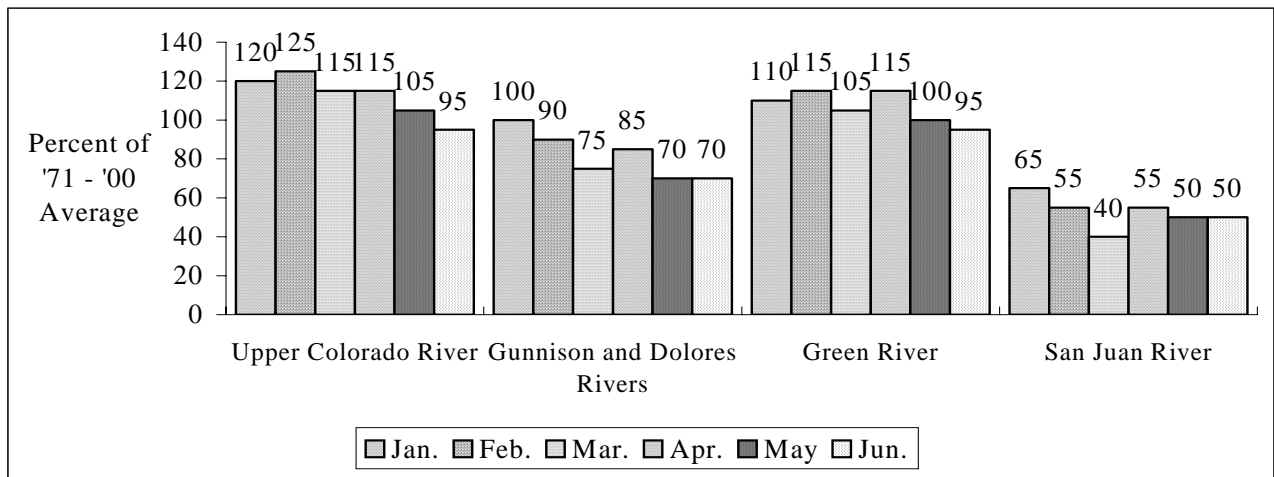
NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT



**JUNE 1, 2006**

For the second month in a row, precipitation was below to much below average over the entire basin. May temperatures, with the exception of a brief cold spell, were above to much above normal. This led to early peaks on many streams. In general, forecasts either changed little or dropped from those issued May 1st.

## APRIL - JULY VOLUME FORECASTS

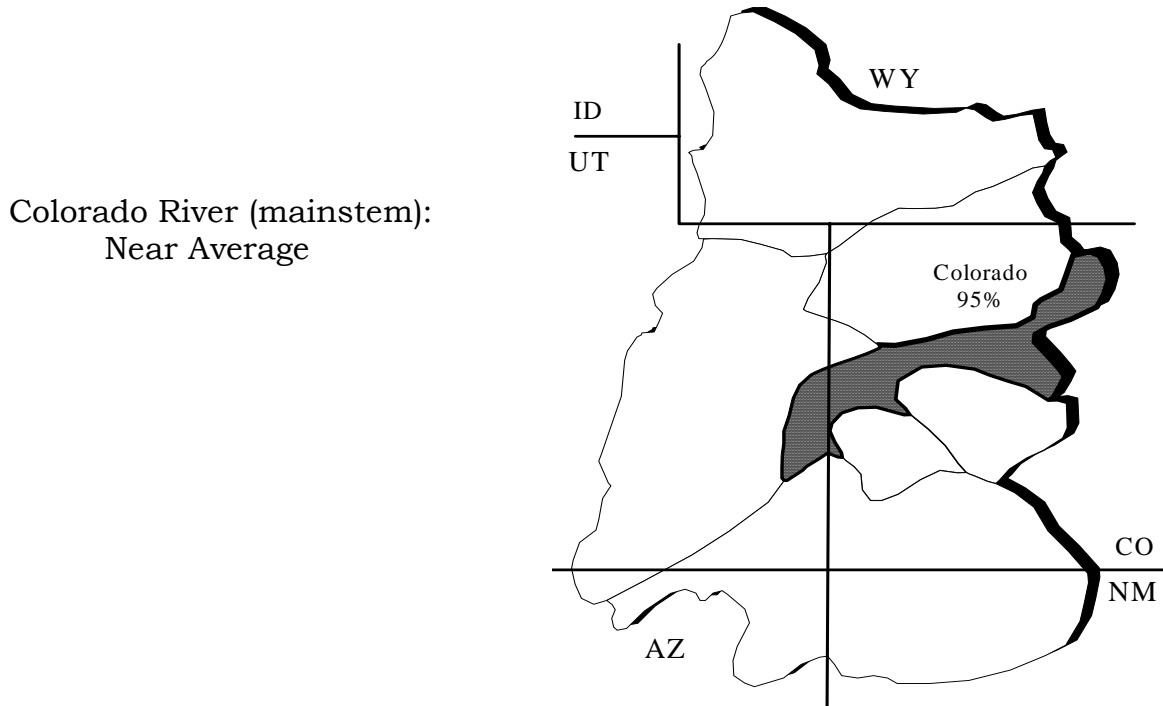


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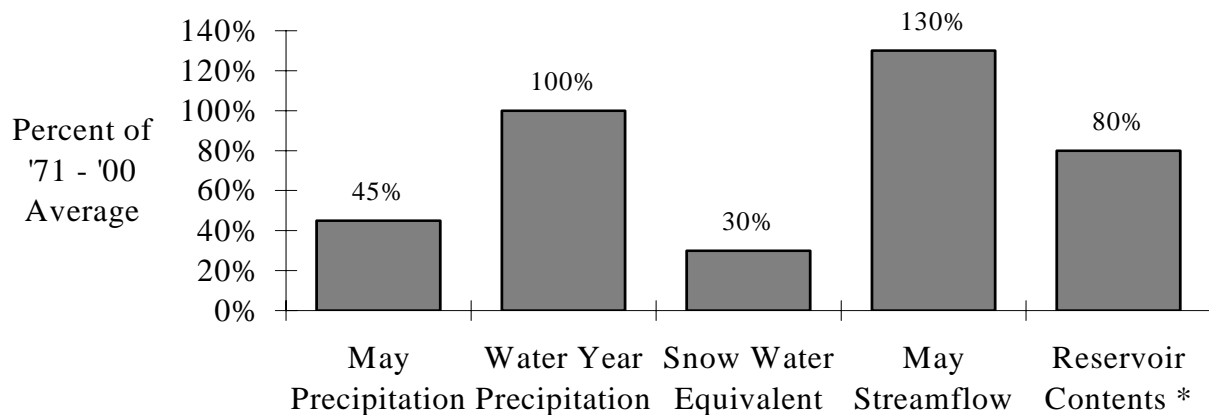
## UPPER COLORADO MAINSTEM

Much above average temperatures brought above average melt and streamflow to the basin in May. Precipitation was below to much below average in May. Forecasts generally changed little or decreased slightly from those issued May 1 and now vary from 75% to 112% of the April through July average.

April-July streamflow forecasts for the Upper Colorado Mainstem are as follows:



## BASIN CONDITIONS - JUNE 1, 2006



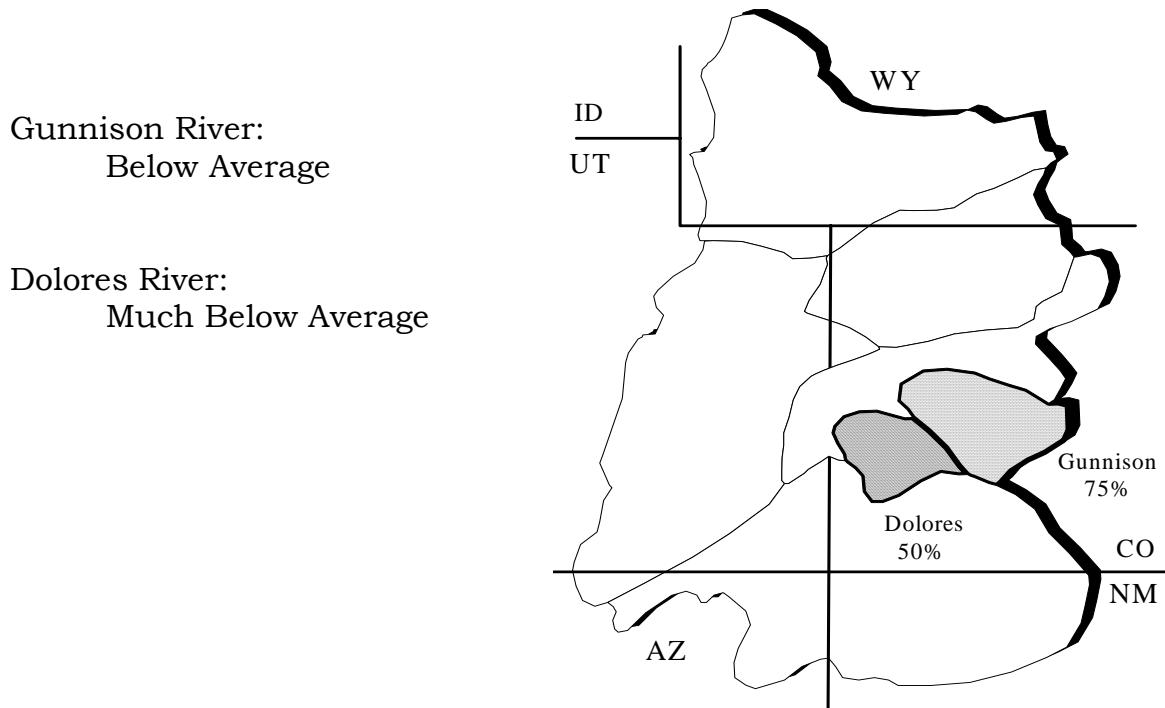
\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 6.

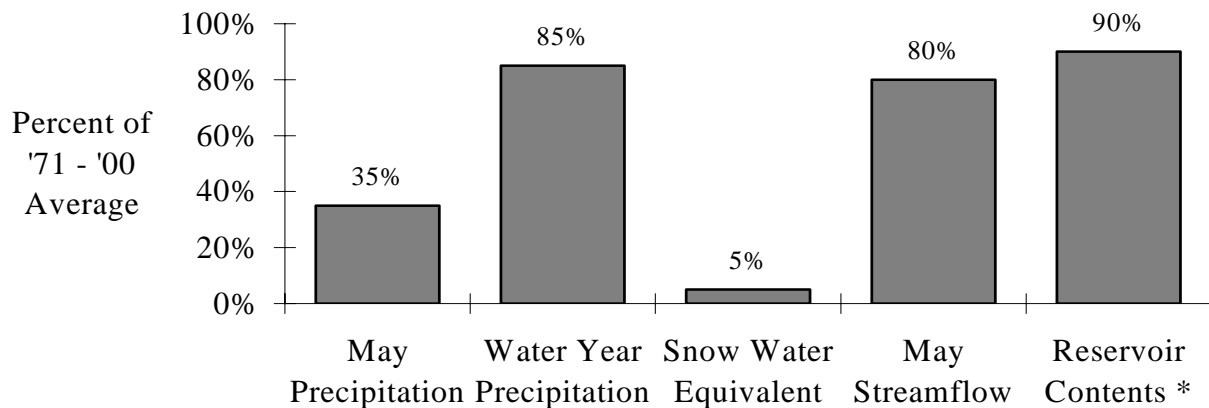
## GUNNISON AND DOLORES RIVERS

Much above average temperatures brought above average melt but steamflow was still near to below average. Precipitation was below to much below average in May. Forecasts now range from 39% to 83% of the April-July average.

April-July streamflow forecasts for the Gunnison and Dolores Rivers are as follows:



## BASIN CONDITIONS - JUNE 1, 2006



\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 7.

## GREEN RIVER

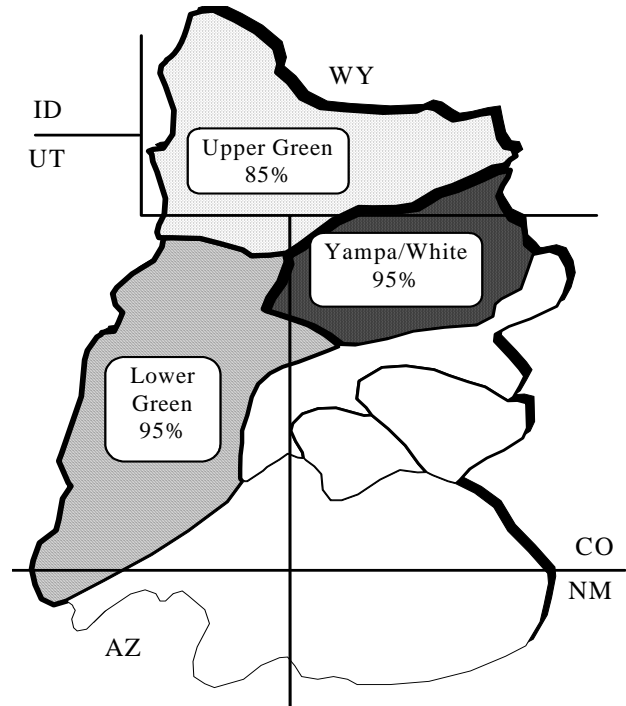
The month of May was unusually warm and dry throughout the basin. This has resulted in large decreases in the April through July runoff forecasts in the Upper Green. Other areas of the basin also saw reductions in their runoff forecasts, many falling to their lowest values of the season. The Western Uintas are the only area forecast to see greater than 100% of average runoff.

April-July streamflow forecasts for the Green River are as follows:

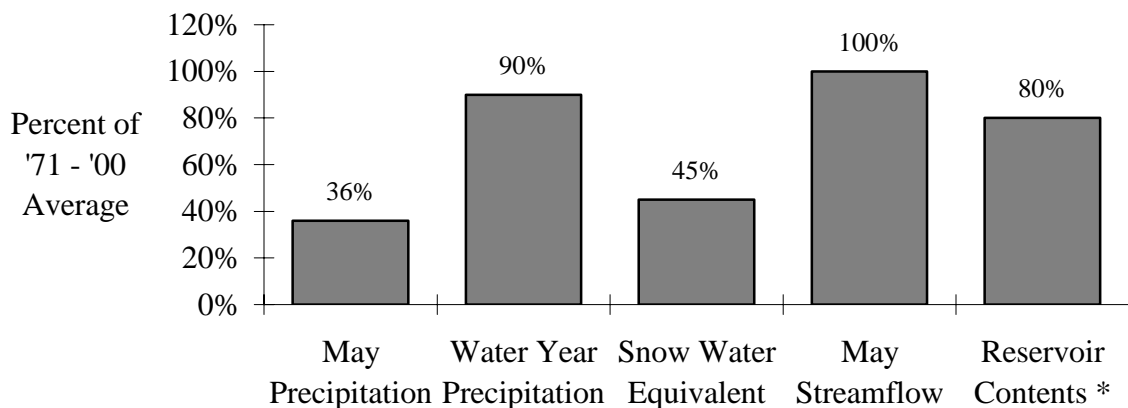
Upper Green River:  
Below Average

Yampa/White Rivers:  
Near Average

Lower Green River  
(below Flaming Gorge):  
Near Average



## BASIN CONDITIONS - JUNE 1, 2006



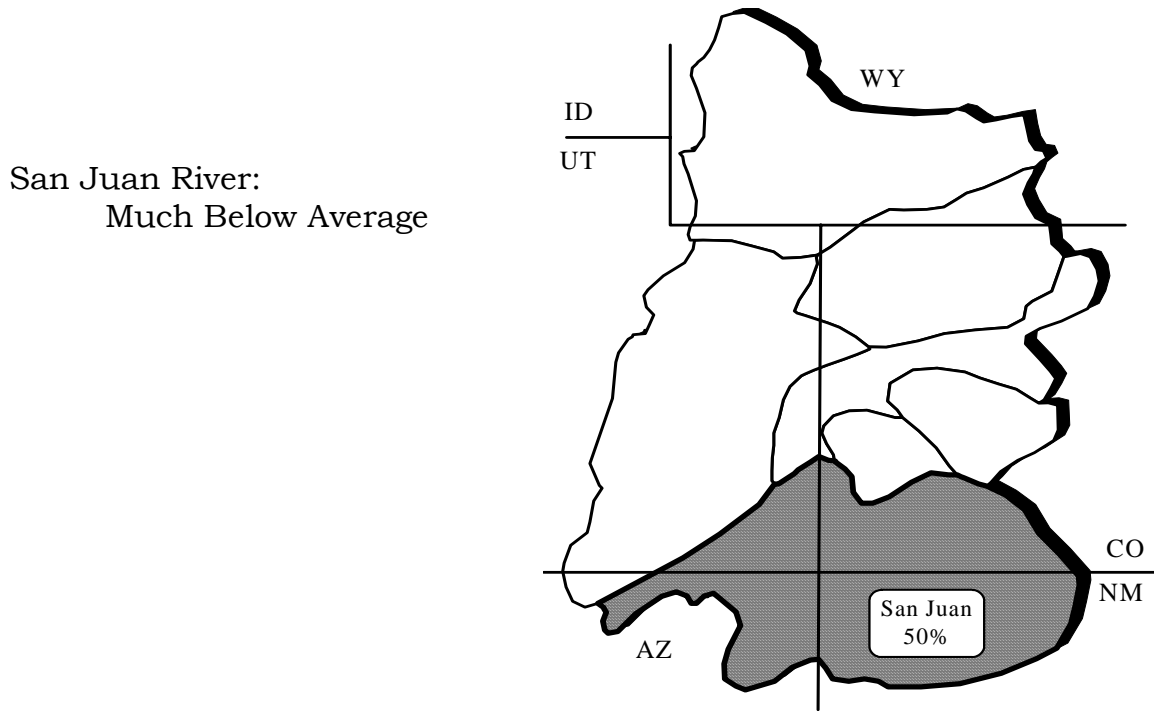
\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 8.

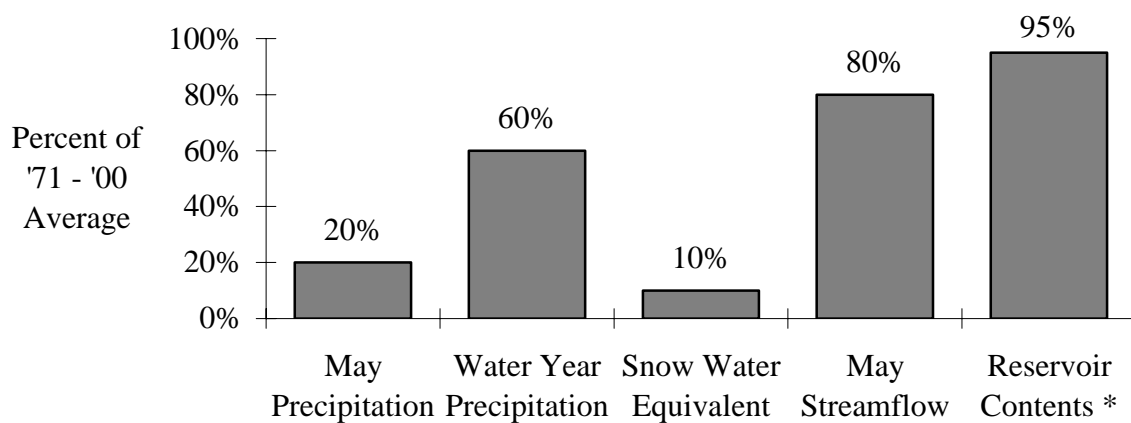
## SAN JUAN RIVER

Both this past winter's meager snowpack and May's dry and warm conditions contributed to rapid depletion of the snowpack. Streamflows were higher than expected, but were still well below average. April through July runoff forecasts ranged from 6% to 64% of average with a median forecast of 50%.

April-July streamflow forecasts for the San Juan Basin are as follows:



## BASIN CONDITIONS - JUNE 1, 2006



\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 10.

## SPECIFIC SITE FORECASTS

**Upper Colorado Mainstem:** April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
COLORADO	LAKE GRANBY, GRANBY, NR	195	87	230	164
	DOTSERO, NR	1400	97	1610	1220
	GLENWOOD SPRINGS, BLO	2100	97	2440	1760
	CAMEO, NR	2350	97	2640	2060
	CISCO, NR	3750	81	5070	2790
WILLOW CK	WILLOW CK RES, GRANBY, NR	38	75	46	32
FRASER	WINTER PARK	18	90	21	14.7
WILLIAMS FORK	WILLIAMS FORK RES, PARSHALL, N	103	108	117	91
MUDDY CK	WOLFORD MTN RES, BLO	67	112	79	59
BLUE	DILLON RES	175	105	195	157
	GREEN MTN RES	295	105	330	265
EAGLE	GYPSUM, BLO	370	110	420	325
FRYING PAN	RUEDI RES, BASALT, NR	140	99	164	120
ROARING FORK	GLENWOOD SPRINGS	685	96	790	595
PLATEAU CK	CAMEO, NR	100	87	162	95
MILL CK	MOAB, NR, SHELEY TUN, AT	2.7	54	3.2	2.3

For more detailed information about each forecast, visit [www.wrh.noaa.gov/cbrfc/westernwater](http://www.wrh.noaa.gov/cbrfc/westernwater)

## SPECIFIC SITE FORECASTS

**Gunnison and Dolores Basins:** April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
TAYLOR	TAYLOR PARK RES	77	75	93	64
	ALMONT	130	79	161	99
EAST	ALMONT	160	83	179	142
GUNNISON	GUNNISON, NR	300	77	350	255
TOMICHI CK	GUNNISON	37	46	49	29
LAKE FORK	GATEVIEW	105	83	120	92
GUNNISON	MORROW POINT RES	585	75	685	485
	CRYSTAL RES	655	72	790	520
MUDDY CK	* PAONIA RES, BARDINE, NR	72	72	78	68
NF GUNNISON	SOMERSET, NR	240	79	265	220
SURFACE CK	CEDAREEDGE	14	82	18	12.7
UNCOMPAHGRE	RIDGWAY RES	72	71	89	59
	COLONA	87	63	110	70
	DELTA	67	57	100	35
GUNNISON	GRAND JUNCTION, NR	1100	71	1330	875
DOLORES	DOLORES	140	53	170	127
	MCPHEE RES	155	48	189	138
	CISCO, NR	240	39	325	200
SAN MIGUEL	PLACERVILLE, NR	85	64	104	71

\* = March - June forecast period.

For more detailed information about each forecast, visit [www.wrh.noaa.gov/cbrfc/westernwater](http://www.wrh.noaa.gov/cbrfc/westernwater)

**Green River Basin:** April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
GREEN	DANIEL, NR, WARREN BRIDGE, AT	220	83	255	191
	GREEN RIVER, WY, NR	700	80	860	570
	GREEN RIVER, UT	2700	85	3110	2310
PINE CK	FREMONT LK, ABV	97	93	114	82
NEW FORK	BIG PINEY, NR	320	81	385	265
BIG SANDY	FARSON, NR	46	79	58	37
BLACKS FORK	ROBERTSON, NR	85	89	110	65
EF SMITHS FORK	ROBERTSON, NR	24	77	34	15.9
HAMS FORK	FRONTIER, NR, POLE CK, BLO	66	102	78	57
	VIVA NAUGHTON RES	93	104	112	78
YAMPA	STAGECOACH RSVR, ABV	28	97	36	23
	STEAMBOAT SPRINGS	275	98	310	245
	MAYBELL, NR	955	96	1050	880
ELK	MILNER, NR	345	106	380	315
ELKHEAD CK	ELKHEAD, NR	39	100	43	36
	MAYNARD GULCH, BLO	65	110	71	61
FORTIFICATION CK	★ FORTIFICATION, NR	7.6	101	8.2	7.3
LITTLE SNAKE	SLATER, NR	154	97	176	135
	DIXON, NR	255	77	305	220
	LILY, NR	280	77	335	235

★= March - June forecast period.

For more detailed information about each forecast, visit [www.wrh.noaa.gov/cbrfc/westernwater](http://www.wrh.noaa.gov/cbrfc/westernwater)



**Green River Basin continued:** April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
BIG BRUSH CK	VERNAL, NR, RED FLEET RES, ABV	16.8	80	19.3	14.7
ASHLEY CK	VERNAL, NR	32	62	42	24
WF DUCHESNE	HANNA, NR	24	100	30	19.7
ROCK CK	UPPER STILLWATER RES	80	98	94	69
	MOUNTAIN HOME, NR	90	101	108	75
DUCHESNE	TABIONA, NR	100	95	122	83
	DUCHESNE, NR, KNIGHT DIV, ABV	180	96	220	149
	MYTON	240	91	310	195
	RANDLETT, NR	245	75	330	194
STRAWBERRY	SOLDIER SPRINGS, NR	68	115	78	61
	DUCHESNE, NR	110	90	133	94
CURRENT CK	CURRENT CK RES	25	100	32	20
LAKE FORK	MOON LAKE RES, MTN HOME, NR	64	94	73	56
YELLOWSTONE	ALTONAH, NR	61	98	69	49
WHITEROCKS	WHITEROCKS, NR	45	80	56	36
WHITE	MEEKER, NR	290	100	355	225
	WATSON, NR	315	103	470	260
GOOSEBERRY CK	SCOFIELD, NR	10.9	92	13.6	8.9
PRICE	SCOFIELD RES, SCOFIELD, NR	45	98	54	39
WHITE	BLO TABBYUNE CK, SOLDIER SUMMI	22	126	24	20
HUNTINGTON CK	ELECTRIC LAKE	15	96	19.5	11.8
	HUNTINGTON, NR	42	86	64	30
SEELEY CK	JOES VLY RES, ORANGEVILLE, NR	65	112	78	55
FERRON CK	FERRON, NR	43	110	50	38
SEVEN MILE CK	FISH LAKE, NR	4.2	60	5.3	3.6
MUDDY CK	EMERY, NR	28	141	31	25

For more detailed information about each forecast, visit [www.wrh.noaa.gov/cbrfc/westernwater](http://www.wrh.noaa.gov/cbrfc/westernwater)

**San Juan River Basin:** April through July volume (kaf) forecasts (except where noted).

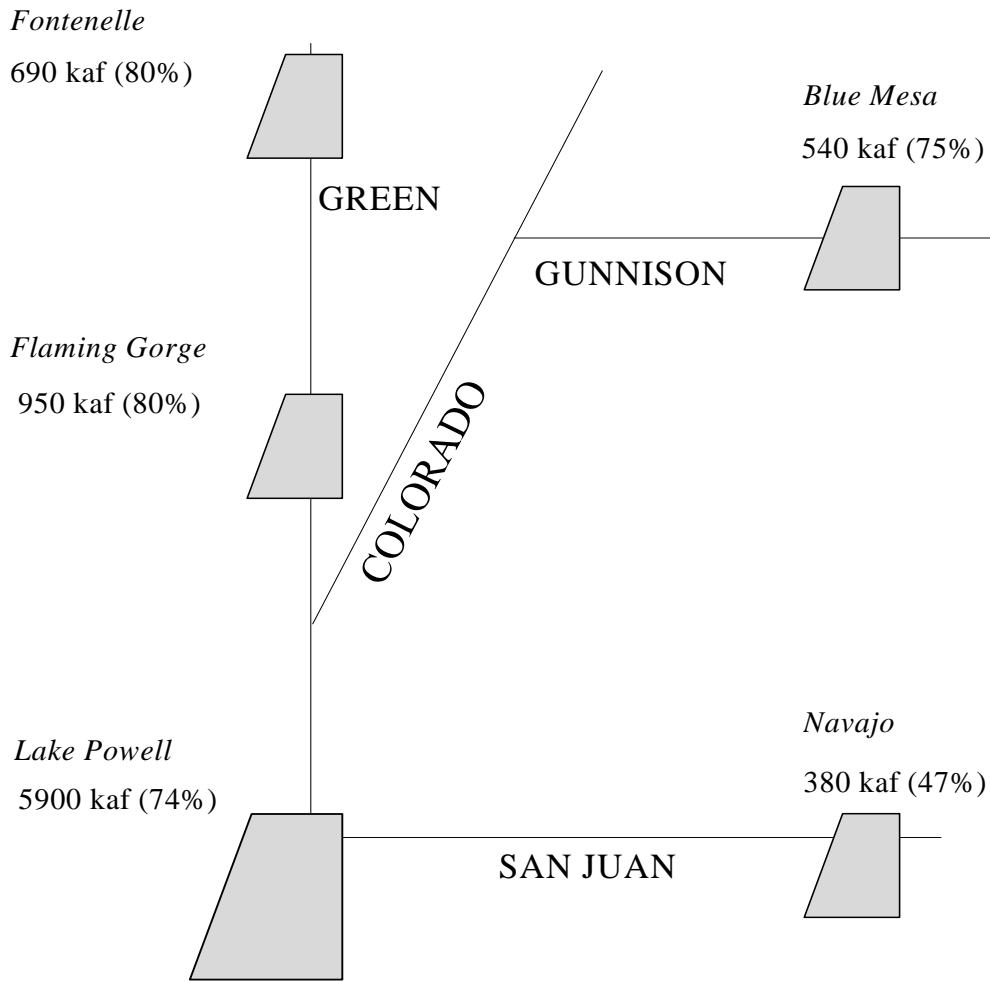
Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
SAN JUAN	PAGOSA SPRINGS	125	56	163	100
	CARRACAS, NR	235	58	270	205
	FARMINGTON	580	48	820	525
	BLUFF, NR	555	45	650	480
RIO BLANCO	PAGOSA SPRINGS, NR, BLANCO DAM	33	62	38	30
NAVAJO	CHROMO, NR, OSO DIV DAM, BLO	41	59	48	37
PIEDRA	ARBOLES, NR	115	50	129	104
LOS PINOS	VALLECITO RES, BAYFIELD, NR	127	62	144	115
ANIMAS	DURANGO	280	64	325	250
FLORIDA	LEMON RES, DURANGO, NR	32	55	37	29
LA PLATA	HESPERUS	14.4	58	16.8	13
MANCOS	MANCOS, NR	20	50	27	16.4
SOUTH CK	★ LLOYD'S RSVR NR MONTICELLO, AB	0.22	17	0.61	0.05
RECAPTURE CK	★ BLANDING, NR, JOHNSON CK, BLO	0.87	14	2.4	0.19

★ = March - July forecast period.

For more detailed information about each forecast, visit [www.wrh.noaa.gov/cbrfc/westernwater](http://www.wrh.noaa.gov/cbrfc/westernwater)

# FLOOD CONTROL FORECASTS

**MOST PROBABLE FORECASTS**  
**2006 APRIL - JULY INFLOW VOLUMES**  
 (% OF '71 - '00 AVERAGE)

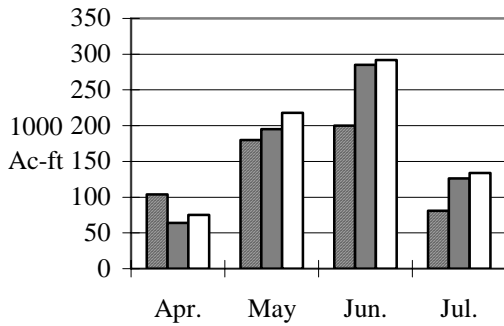


NOTE: Colorado River flood control forecasts account for a smaller set of upstream adjustments than water supply forecast points.

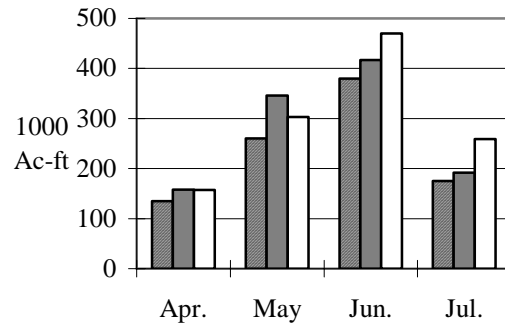
# RESERVOIR MONTHLY INFLOW FORECASTS



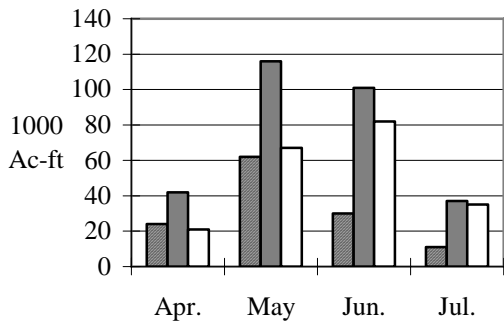
**Blue Mesa Reservoir Inflow**



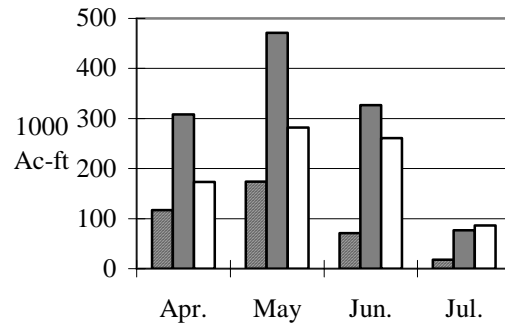
**Flaming Gorge Reservoir Inflow**



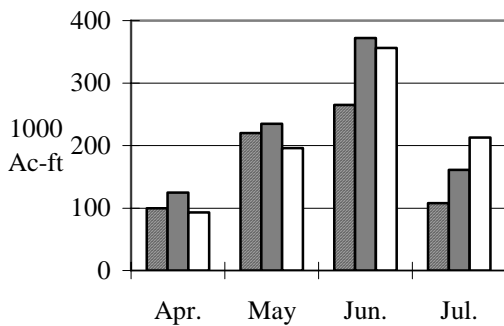
**Vallecito Reservoir Inflow**



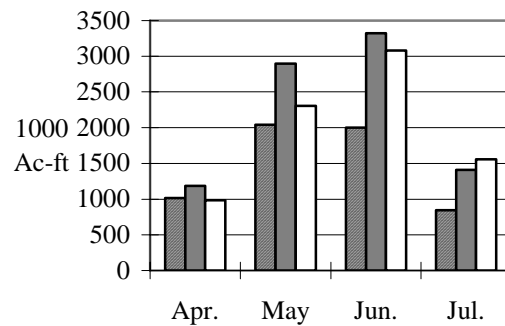
**Navajo Reservoir Inflow**



**Fontenelle Reservoir Inflow**

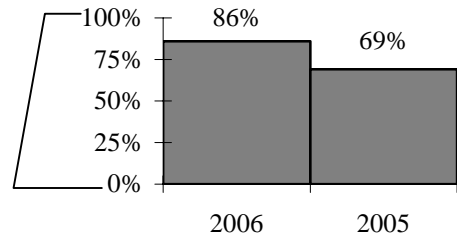
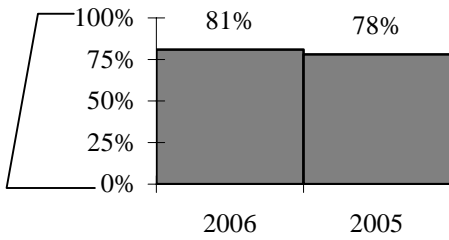


**Lake Powell Inflow**

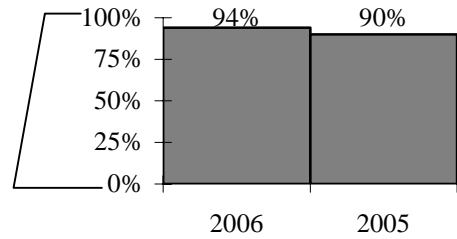
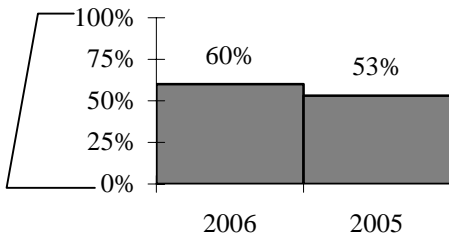


# END OF MONTH RESERVOIR CONTENTS

## Percent of Usable Capacity



Green  
 Combined  
 Upper Colorado, Gunnison, and Dolores  
 San Juan



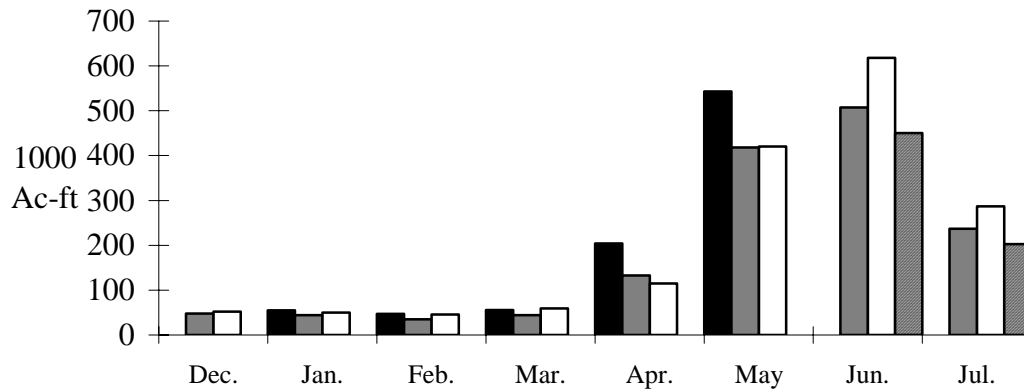
RESERVOIR (vol. in 1000 ac-ft)	Reservoir status	Usable Capacity	EOM Usable Contents	Percent Usable Capacity
Fontenelle	1,4	344.8	261.8	76
Flaming Gorge	1,4	3749	3008.3	80
Strawberry	1,4	1105.9	918.5	83
Starvation	1,4	165.3	165.9	100
Lake Granby	2,4	490.3	343.2	70
Dillon	2,4	254	249.5	98
Green Mountain	2,4	146.9	103.6	71
Taylor Park	2,4	106.2	89.2	84
Blue Mesa	2,4	829.5	751.8	91
Ridgway	2,4	83.2	79.5	96
McPhee	2,4	381.1	344.8	90
Vallecito	3,4	125.4	122.6	98
Navajo	3,4	1696	1583.3	93
Lake Powell	4	24322	12258.1	50

- 1 = Green River reservoir status
- 2 = Upper Colorado River reservoir status
- 3 = San Juan River reservoir status
- 4 = Combined reservoir status

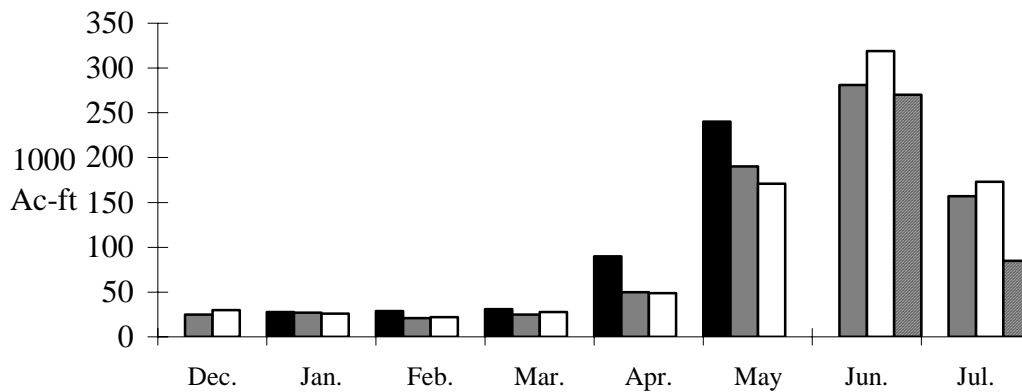
# MONTHLY STREAMFLOWS



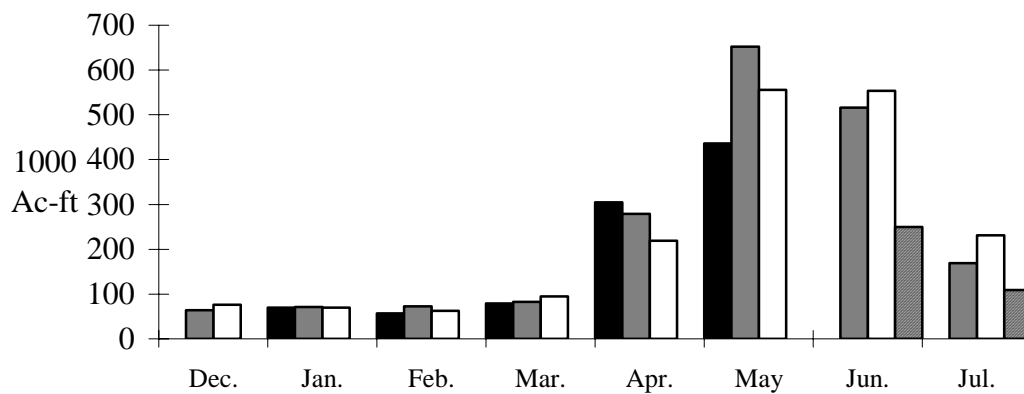
## Colorado - Dotsero, nr:



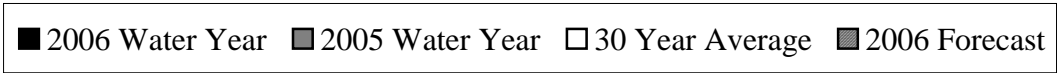
## Roaring Fork - Glenwood Springs:



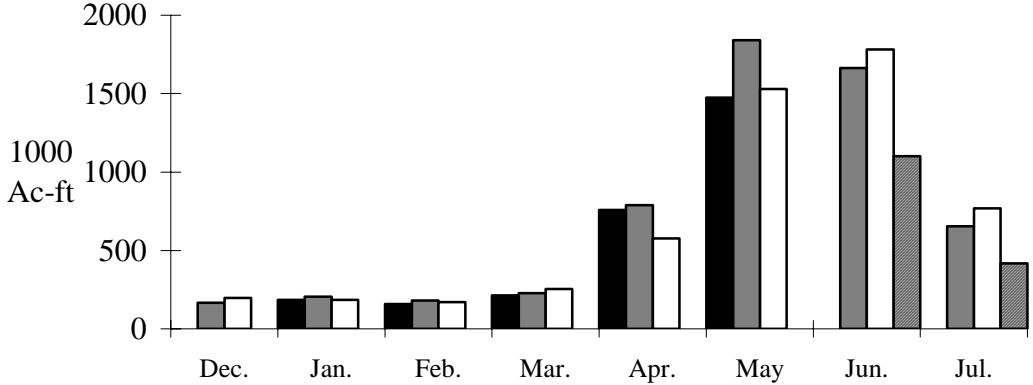
## Gunnison - Grand Junction, nr:



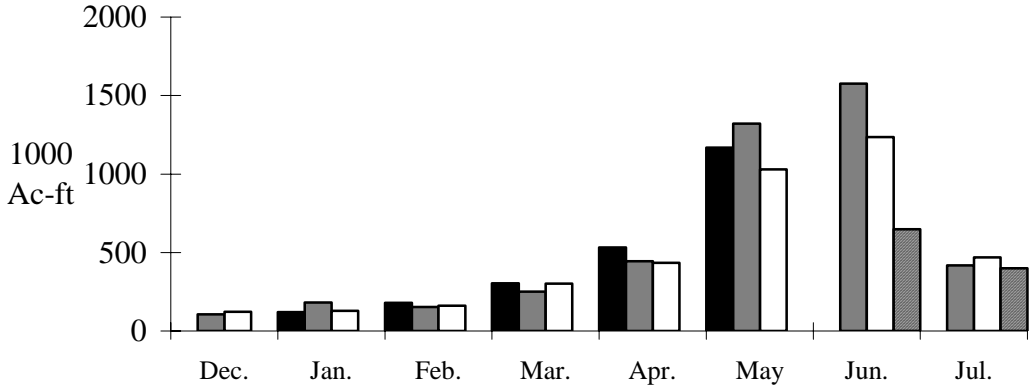
\* Data Not Available



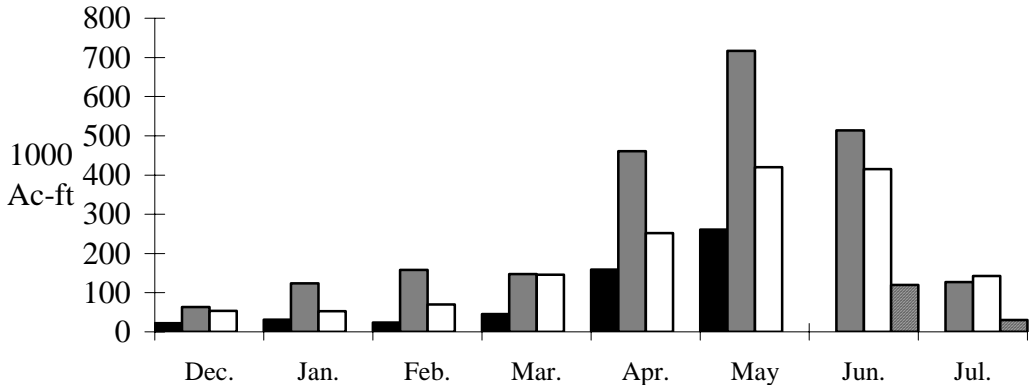
**Colorado - Cisco, nr:**



**Green - Green River, UT:**



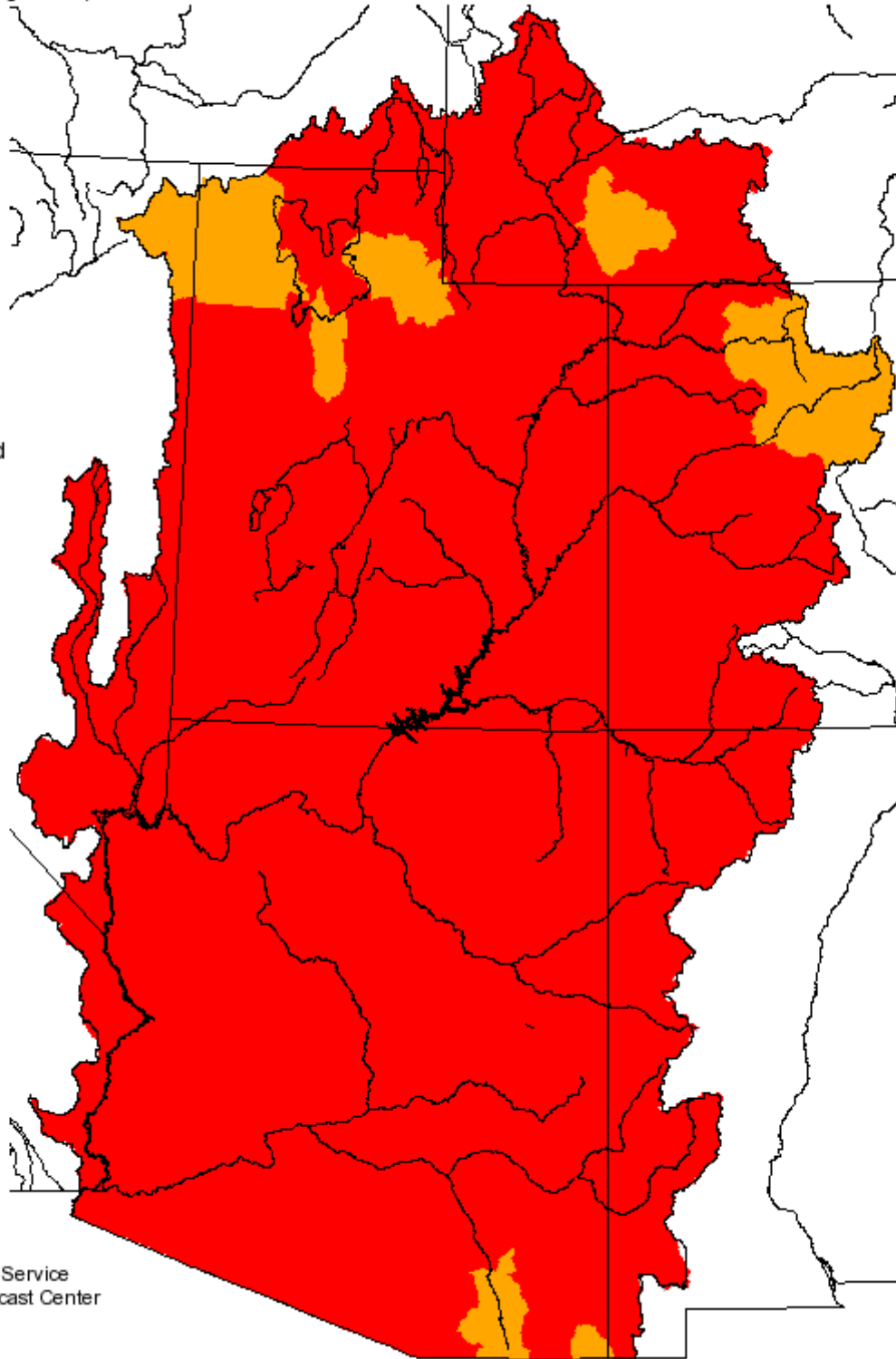
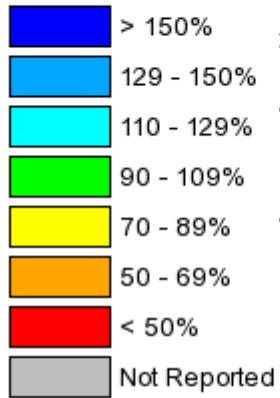
**San Juan - Bluff, nr:**



# Monthly Precipitation for May 2006

(Averaged by Hydrologic Unit)

## % Average



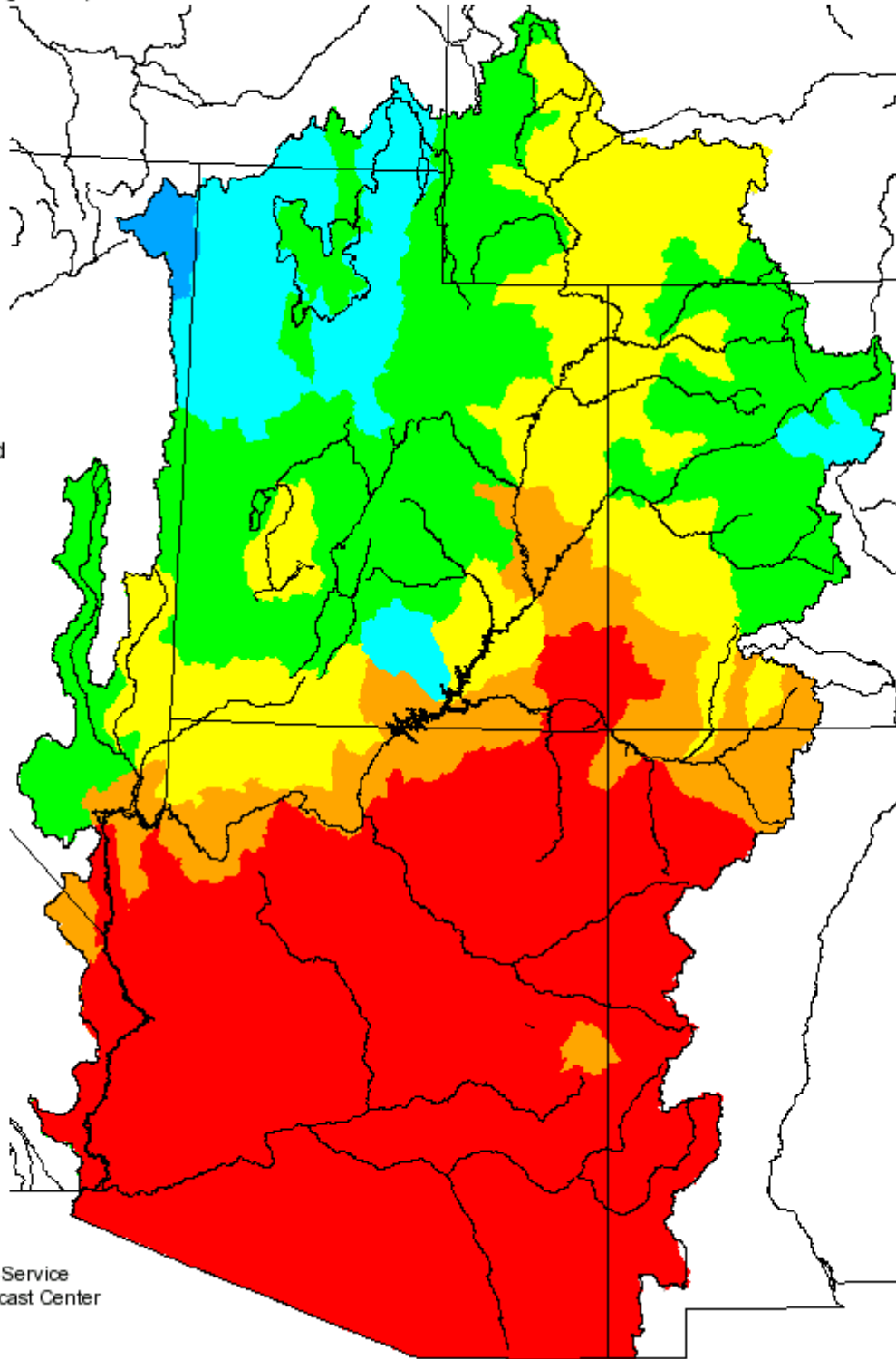
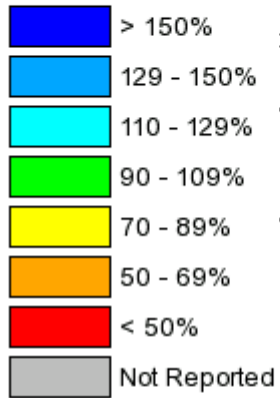
Prepared by  
NOAA, National Weather Service  
Colorado Basin River Forecast Center  
Salt Lake City, Utah  
[www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)



# Seasonal Precipitation, October 2005 - May 2006

(Averaged by Hydrologic Unit)

## % Average



Prepared by  
NOAA, National Weather Service  
Colorado Basin River Forecast Center  
Salt Lake City, Utah  
[www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

## ADDITIONAL INFORMATION

Water supply forecasts take into consideration present hydrometeorological conditions and use average basin temperatures and precipitation for the forecast period. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty becomes known and monthly forecasts become more accurate.

Volume forecasts represent adjusted flows; that is, observed flows with upstream water use taken into account. Adjusted flows will closely approximate natural or unimpaired flows. However, not all upstream diversions or impoundments are measured or quantifiable. For specific adjustments used with each forecast point, consult the Guide to Water Supply Forecasting.

The Water Supply Outlook is issued monthly January through May by the Colorado Basin River Forecast Center, National Weather Service. It represents a coordinated effort between the National Weather Service, Natural Resources Conservation Service, Bureau of Reclamation, U.S. Geological Survey and local water district managers.

### **DEFINITIONS:**

Acre-Foot:

The volume equal to one acre covered one foot deep (43,560 cubic feet).

Average:

The arithmetic mean. The sum of the values divided by the number of values.

Categories:

Much above Average Greater than 130%	Above Average 111-130%	Near Average 90-110%	Below Average 70-89%	Much Below Average- Less than 70%
---	---------------------------	-------------------------	-------------------------	--------------------------------------

Forecast Period:

The period from April 1 through July 31.

Median:

The middle value. One half of the observed values are higher and half of the values are lower than this.

Most Probable Forecast:

Given the current hydrometeorological conditions to date, this is the best estimate of what the runoff volume will be this season.

Reasonable Maximum Forecast:

Given the current hydrometeorological conditions, the seasonal runoff that has a ten percent (10%) chance of being exceeded.

Reasonable Minimum Forecast:

Given the current hydrometeorological conditions, the seasonal runoff that has a ninety percent (90%) chance of being exceeded.

Water Year:

The period from October 1 through September 30.

NOTE: Data used in this report are provisional and are subject to revision.

For more information, or to be included on the mailing list, please contact:

Colorado Basin River Forecast Center, National Weather Service  
2442 West North Temple, Salt Lake City, UT 84116