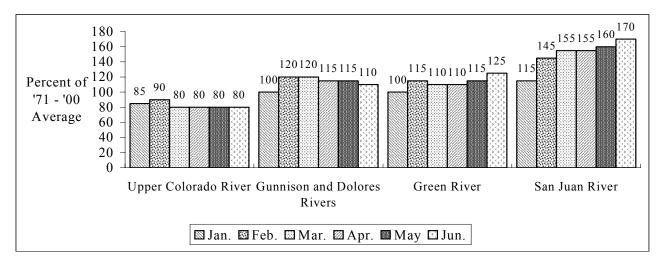


Precipitation was below to much below average over most of western Colorado, but near to much above average over southwestern Wyoming and eastern Utah. There was also a period of much above normal temperatures during the month, which brought rapid melt basin-wide and seasonal peak flows to many streams in western Colorado. Forecasts were increased as much as 20% in the Upper Green, lowered up to 10% over portions of the Gunnison, with little change elsewhere.

# **APRIL - JULY VOLUME FORECASTS**

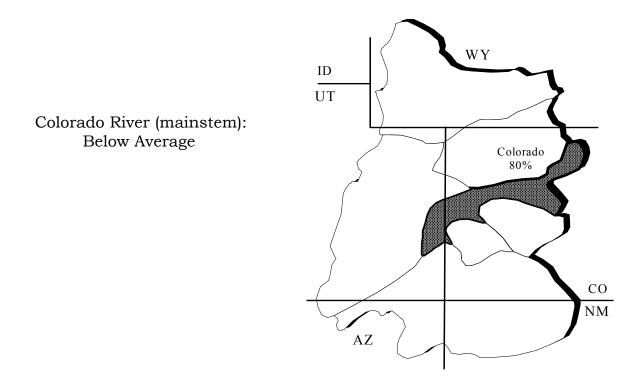


	INSIDE
Summary	1
Upper Colorado Mainstem	2
Gunnison and Dolores Rivers	3
Green River	4
San Juan River	5
Specific Site Forecasts	6
Flood Control Forecasts	11
Res. Monthly Infl. Forecasts	12
EOM Reservoir Contents	13
Monthly Streamflows	14
Precipitation Maps	16,17
Additional Information	18

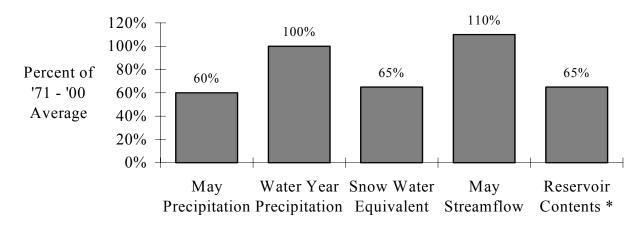
#### UPPER COLORADO MAINSTEM

Precipitation over the basin was below to much below average. A period of above average temperatures brought flows to their seasonal peaks during the month. Overall, forecasts for the April-July runoff varied little from those issued May 1st.

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



### BASIN CONDITIONS - JUNE 1, 2005



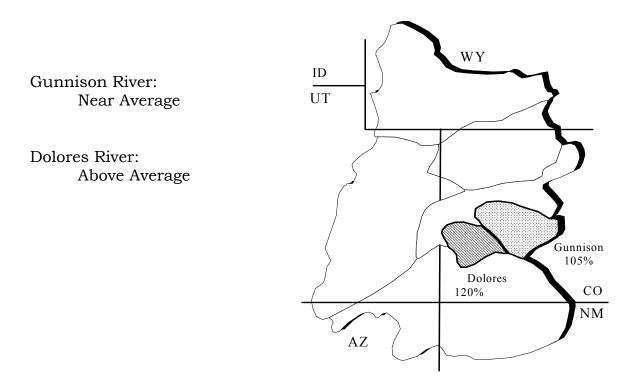
\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 6.

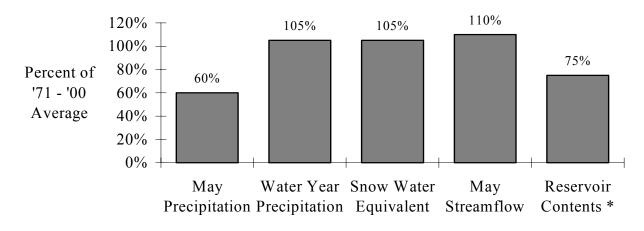
### GUNNISON AND DOLORES RIVERS

May was a dry month in the Basin with just 60% of average precipitation. The June 1 snow percentage is misleading as only a few high elevation sites still have snow. Some forecasts in the Gunnison Basin decreased based on lower than expected observed flow and depleted snowpack. The April-July streamflow forecasts now range between 75% and 190% of average.

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



#### BASIN CONDITIONS - JUNE 1, 2005



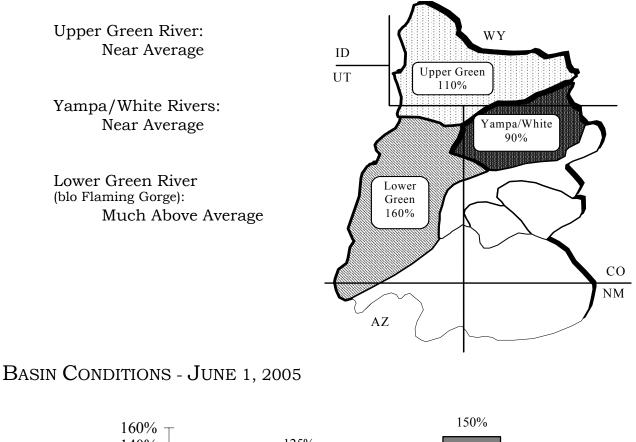
\* Percent usable capacity, not percent average contents.

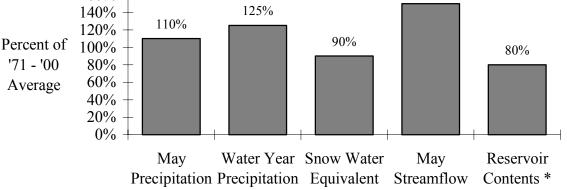
Specific site forecasts are listed beginning on page 7.

# GREEN RIVER

Snowmelt runoff and above average precipitation combined for above average streamflow conditions in much of the Green Basin during May. A heavy snowpack in the high elevations of the Duchesne and above average precipitation in the Upper Green prompted an increase in forecasts for those areas. April-July runoff volumes are expected to range from near 60% to 125% of average in the Yampa/White, 90% to 115% in the Upper Green and 120% to 220% elsehwere.

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





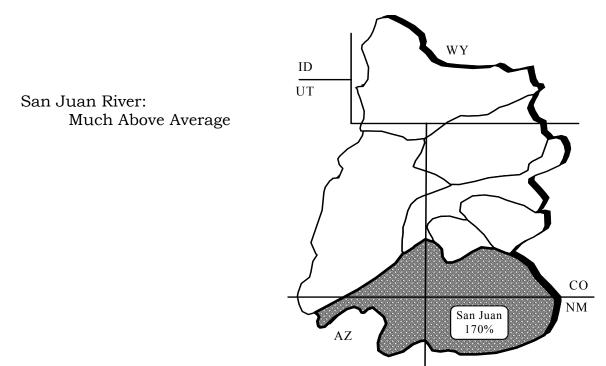
\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 8.

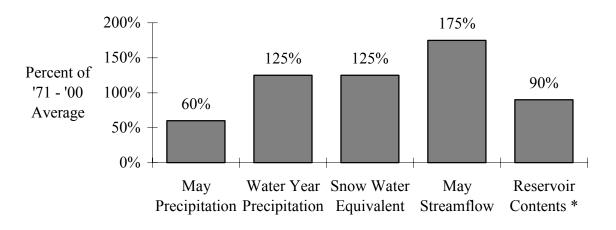
# SAN JUAN RIVER

Snowmelt runoff kicked into full swing with near record volumes for the April and May period, due to above average temperatures and deep snowpacks in the Basin. Precipitation was below average for May at 61%. At the highest elevations, the snowpack remains well above average for June 1st and will sustain streamflows throughout June and July. The median forecast was 171% of average.

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



#### BASIN CONDITIONS - JUNE 1, 2005



\* 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	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
COLORADO	LAKE GRANBY, GRANBY, NR	190	84	225	162
	DOTSERO, NR	1100	76	1340	905
	GLENWOOD SPRINGS, BLO	1750	81	2090	1410
	CAMEO, NR	2000	83	2440	1620
	CISCO, NR	4500	97	5470	3530
WILLOW CK	WILLOW CK RES, GRANBY, NR	47	92	55	41
FRASER	WINTER PARK	16	80	19.3	12.7
WILLIAMS FORK	WILLIAMS FORK RES, PARSHALL, N	85	89	110	66
MUDDY CK	WOLFORD MTN RES, BLO	37	62	47	29
BLUE	DILLON RES	125	75	150	104
	GREEN MTN RES	225	80	265	190
EAGLE	GYPSUM, BLO	260	78	310	220
FRYING PAN	RUEDI RES, BASALT, NR	110	78	141	86
ROARING FORK	GLENWOOD SPRINGS	675	95	805	555
PLATEAU CK	CAMEO, NR	180	157	240	118
MILL CK	MOAB, NR, SHELEY TUN, AT	7	140	8.5	5.8

# SPECIFIC SITE FORECASTS

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

Stream	Station		Most	Percent	Reas.	Reas.
			Probable	Avg.	Max	Min
TAYLOR		TAYLOR PARK RES	90	87	108	72
		ALMONT	138	84	169	107
EAST		ALMONT	192	100	230	158
GUNNISON		GUNNISON, NR	360	92	445	290
TOMICHI CK		GUNNISON	60	74	87	42
LAKE FORK		GATEVIEW	135	107	155	117
GUNNISON		MORROW POINT RES	720	92	820	620
		CRYSTAL RES	795	87	930	660
MUDDY CK	*	PAONIA RES, BARDINE, NR	126	126	147	111
NF GUNNISON		SOMERSET, NR	395	130	450	350
SURFACE CK		CEDAREDGE	32	187	36	27
UNCOMPAHGRE		RIDGWAY RES	110	108	128	95
		COLONA	140	101	175	113
		DELTA	110	94	162	58
GUNNISON		GRAND JUNCTION, NR	1700	109	2030	1450
DOLORES		DOLORES	340	128	390	300
		MCPHEE RES	440	138	485	405
		CISCO, NR	725	131	910	540
SAN MIGUEL		PLACERVILLE, NR	140	106	169	116

 $\star$  = March - June forecast period.

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

Stream	Station		Percent		
		Probable	Avg.	Max	Min
GREEN	DANIEL, NR, WARREN BRIDGE, AT	265	100	310	225
	GREEN RIVER, WY, NR	1020	117	1230	840
	GREEN RIVER, UT	3500	110	4250	2750
PINE CK	FREMONT LK, ABV	109	105	128	92
NEW FORK	BIG PINEY, NR	450	114	515	385
BIG SANDY	FARSON, NR	64	110	80	51
BLACKS FORK	ROBERTSON, NR	103	108	132	79
EF SMITHS FORK	ROBERTSON, NR	27	87	39	18.3
HAMS FORK	FRONTIER, NR, POLE CK, BLO	73	112	86	62
	VIVA NAUGHTON RES	102	115	121	75
YAMPA	STAGECOACH RSVR, ABV	15	52	18.9	11.9
	STEAMBOAT SPRINGS	195	70	230	165
	MAYBELL, NR	880	89	1000	785
ELK	MILNER, NR	405	125	450	365
ELKHEAD CK	ELKHEAD, NR	33	85	38	30
	MAYNARD GULCH, BLO	75	127	81	71
FORTIFICATION CK	FORTIFICATION, NR	6.7	89	7.3	5.5
LITTLE SNAKE	SLATER, NR	146	92	176	122
	DIXON, NR	300	91	380	245
	LILY, NR	320	88	385	270

★= March - June forecast period.

Stream	Station	Most	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
BIG BRUSH CK	VERNAL, NR, RED FLEET RES, ABV	36	171	43	30
ASHLEY CK	VERNAL, NR	97	187	114	82
WF DUCHESNE	HANNA, NR	32	133	39	26
ROCK CK	UPPER STILLWATER RES	130	159	157	107
	MOUNTAIN HOME, NR	140	157	168	116
DUCHESNE	TABIONA, NR	135	129	173	105
	DUCHESNE, NR, KNIGHT DIV, ABV	280	149	330	240
	MYTON	515	194	640	415
	RANDLETT, NR	710	218	915	550
STRAWBERRY	SOLDIER SPRINGS, NR	85	144	104	71
	DUCHESNE, NR	185	152	225	157
CURRANT CK	CURRANT CK RES	52	208	59	47
LAKE FORK	MOON LAKE RES, MTN HOME, NR	115	169	147	88
YELLOWSTONE	ALTONAH, NR	124	200	150	101
WHITEROCKS	WHITEROCKS, NR	118	211	144	95
WHITE	MEEKER, NR	225	78	274	185
	WATSON, NR	240	79	370	59
GOOSEBERRY CK	SCOFIELD, NR	14	118	16.9	11.7
PRICE	SCOFIELD RES, SCOFIELD, NR	48	104	62	41
WHITE	BLO TABBYUNE CK, SOLDIER SUMMI	25	144	27	23
HUNTINGTON CK	ELECTRIC LAKE	16.3	104	21	13.1
	HUNTINGTON, NR	49	98	57	41
SEELEY CK	JOES VLY RES, ORANGEVILLE, NR	72	124	95	55
FERRON CK	FERRON, NR	48	123	61	37
SEVEN MILE CK	FISH LAKE, NR	7.8	111	9.9	6.2
MUDDY CK	EMERY, NR	27	136	32	23

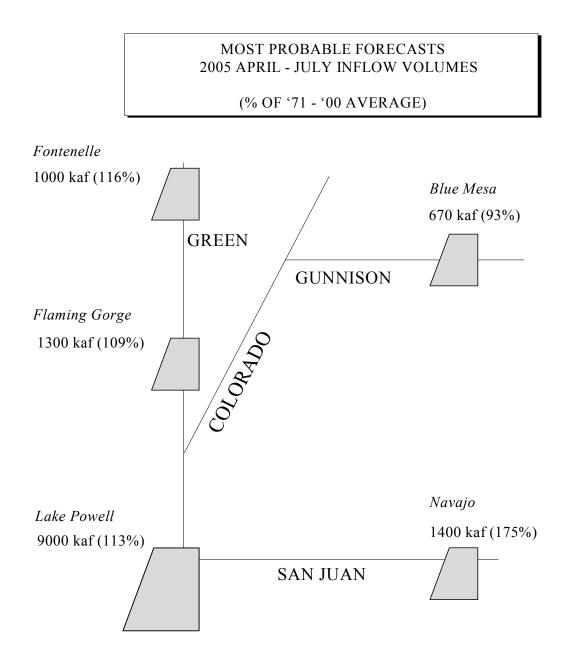
Green River Basin continued: April through July volume (kaf) forecasts (except where noted).

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

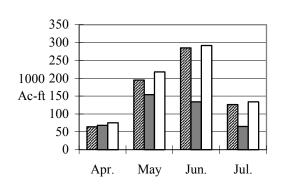
Stream	tream Station		Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
SAN JUAN	PAGOSA SPRINGS	355	158	395	315
	CARRACAS, NR	640	158	730	565
	FARMINGTON	2070	171	2320	1870
	BLUFF, NR	2100	171	2370	1910
RIO BLANCO	PAGOSA SPRINGS, NR, BLANCO DAM	75	142	89	68
NAVAJO CHROMO, NR, OSO DIV DAM, BLO		100	145	115	88
PIEDRA	ARBOLES, NR	395	172	440	355
LOS PINOS	VALLECITO RES, BAYFIELD, NR	345	168	395	305
ANIMAS	DURANGO	670	152	760	595
FLORIDA	LEMON RES, DURANGO, NR	100	172	121	84
LA PLATA HESPERUS		45	180	53	39
MANCOS	ANCOS MANCOS, NR		150	78	48
SOUTH CK 🛛	ELLOYD'S RSVR NR MONTICELLO, AB		359	6.5	3.2
RECAPTURE CK	17	279	20	14.1	

 $\star$  = March - July forecast period.

# FLOOD CONTROL FORECASTS



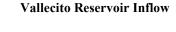
NOTE: Colorado River flood control forecasts account for a smaller set of upstream adjustments than water supply forecast points.

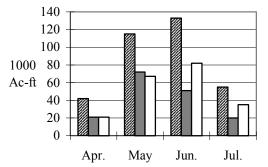


**Blue Mesa Reservoir Inflow** 

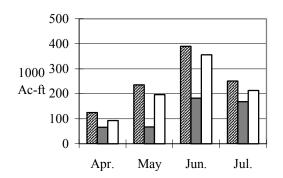
# **Reservoir Monthly Inflow Forecasts**

2005 Forecast 2004 Observed 30 Year Average

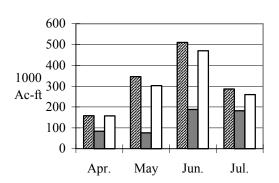




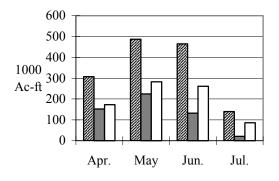
Fontenelle Reservoir Inflow

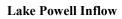


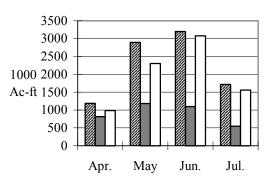
#### Flaming Gorge Reservoir Inflow



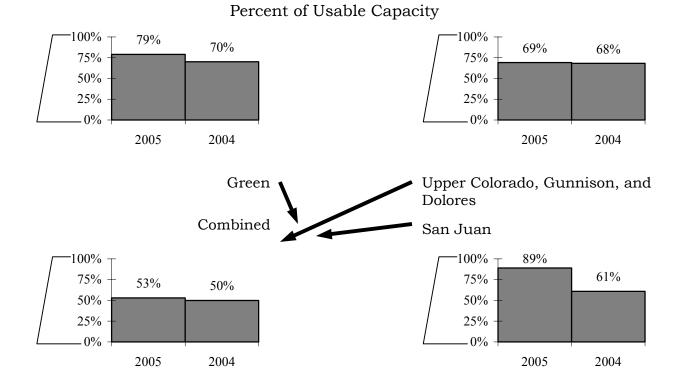
Navajo Reservoir Inflow







# END OF MONTH RESERVOIR CONTENTS



RESERVOIR	Reservoir	Usable	EOM Usable	Percent Usable
(vol. in 1000 ac-ft)	status	Capacity	Contents	Capacity
Fontenelle	1,4	344.8	248.8	72
Flaming Gorge	1,4	3749	2989.9	80
Strawberry	1,4	1105.9	800.9	72
Starvation	1,4	165.3	153.7	93
Lake Granby	2,4	490.3	237.5	48
Dillon	2,4	254	228	90
Green Mountain	2,4	146.9	108	74
Taylor Park	2,4	106.2	80.6	76
Blue Mesa	2,4	829.5	471.5	57
Ridgway	2,4	83.2	73.5	88
McPhee	2,4	381.1	373.1	98
Vallecito	3,4	125.4	78.9	63
Navajo	3,4	1696	1551.1	91
Lake Powell	4	24322	10509.3	43

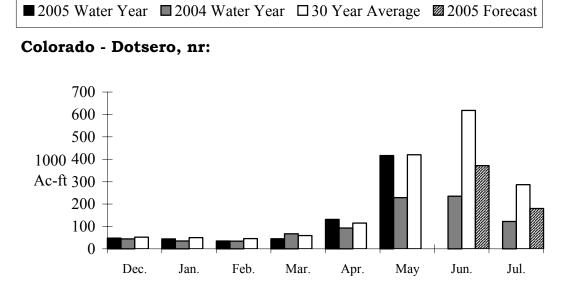
1 = Green River reservoir status

2 = Upper Colorado River reservoir status

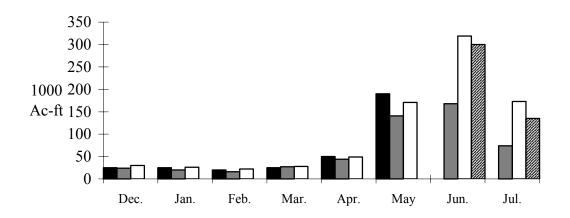
3 = San Juan River reservoir status

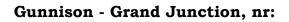
4 = Combined reservoir status

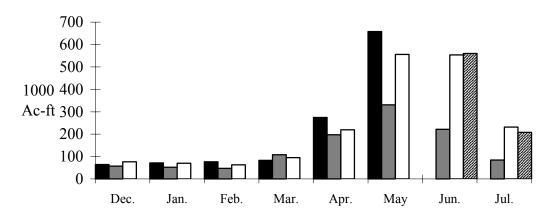
#### MONTHLY STREAMFLOWS



**Roaring Fork - Glenwood Springs:** 

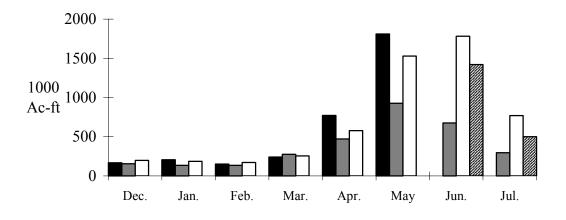


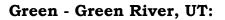


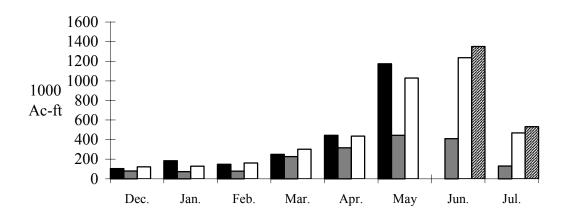


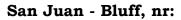
\* Data Not Available

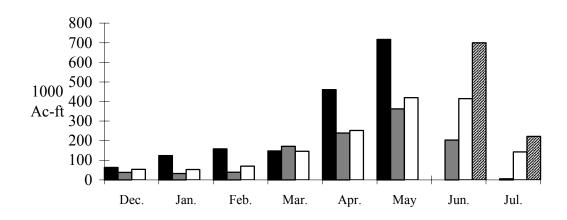
#### Colorado - Cisco, nr:

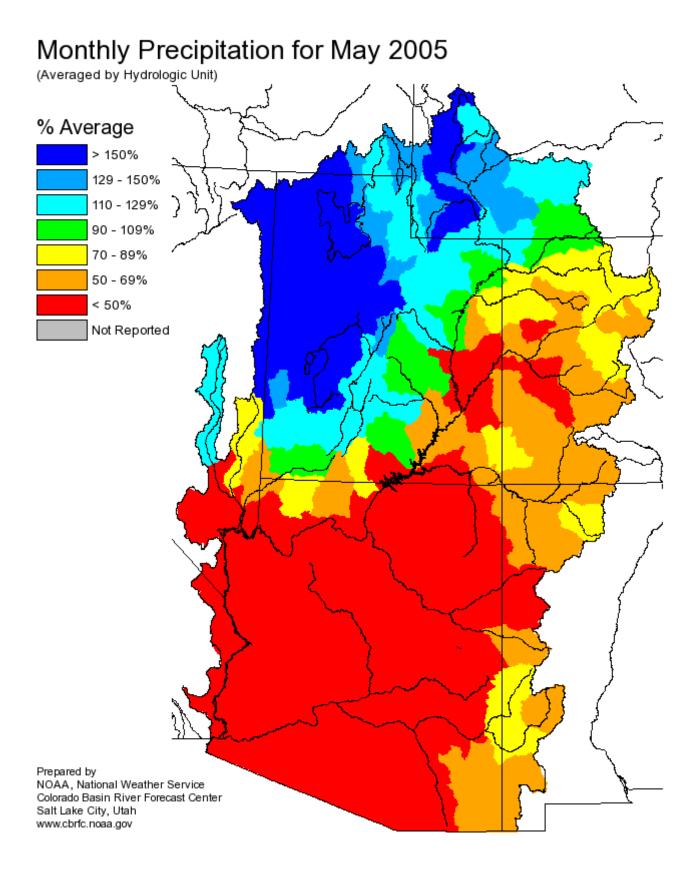


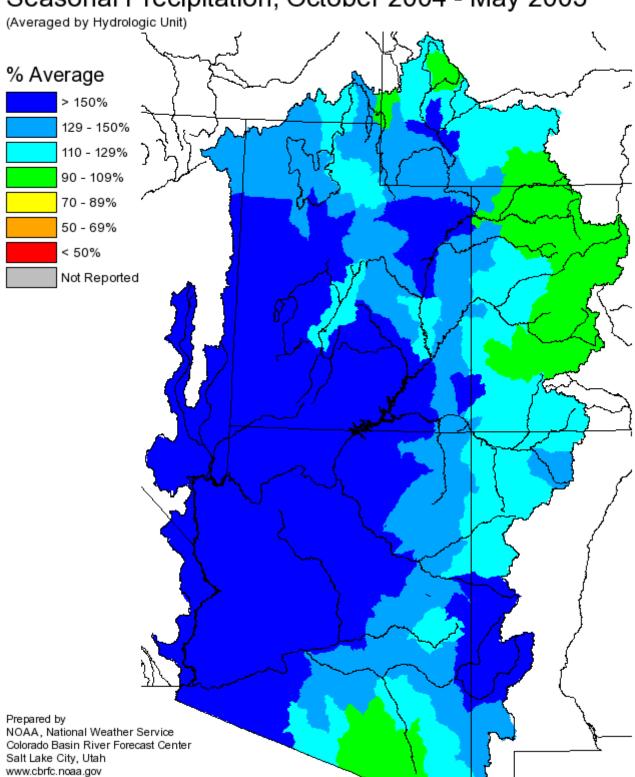












# Seasonal Precipitation, October 2004 - May 2005

Colorado Basin River Forecast Center - National Weather Service - June 2005

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