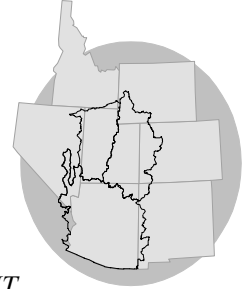


WATER SUPPLY OUTLOOK

for the
UPPER COLORADO

***COLORADO BASIN
RIVER FORECAST CENTER***

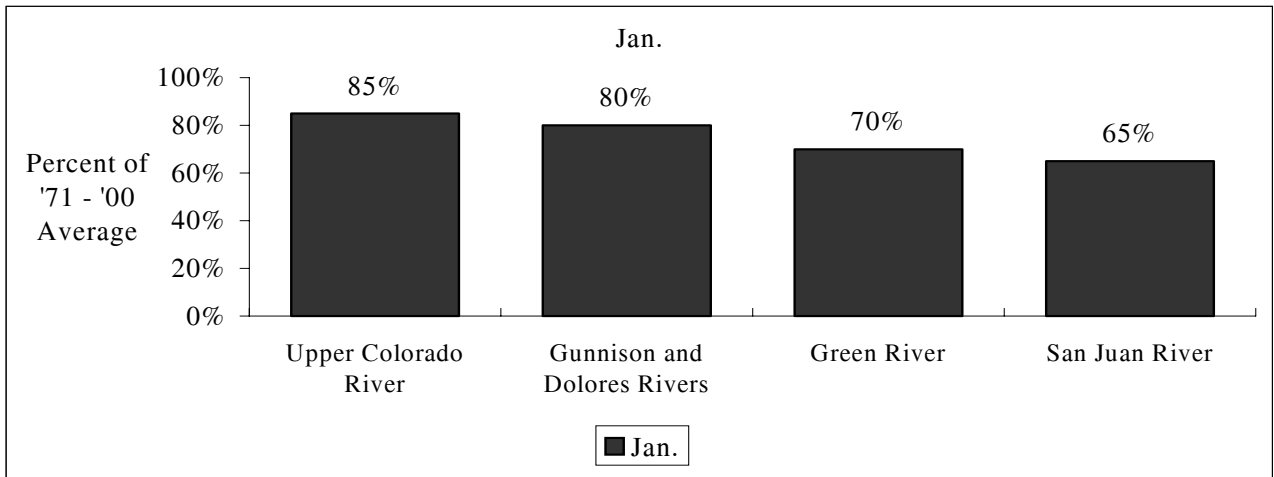
NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT



JANUARY 1, 2003

Seasonal precipitation for the 2003 water year and current snowpack as of January 1st vary from below to near average over the Upper Colorado River Basin. The Green, San Juan and Dolores river basin's snowpack are currently below average with near average elsewhere. Forecasts in many areas are lower than would otherwise be indicated by snowpack due to the previous very dry year and dryer than normal soil moisture conditions currently.

APRIL - JULY VOLUME FORECASTS

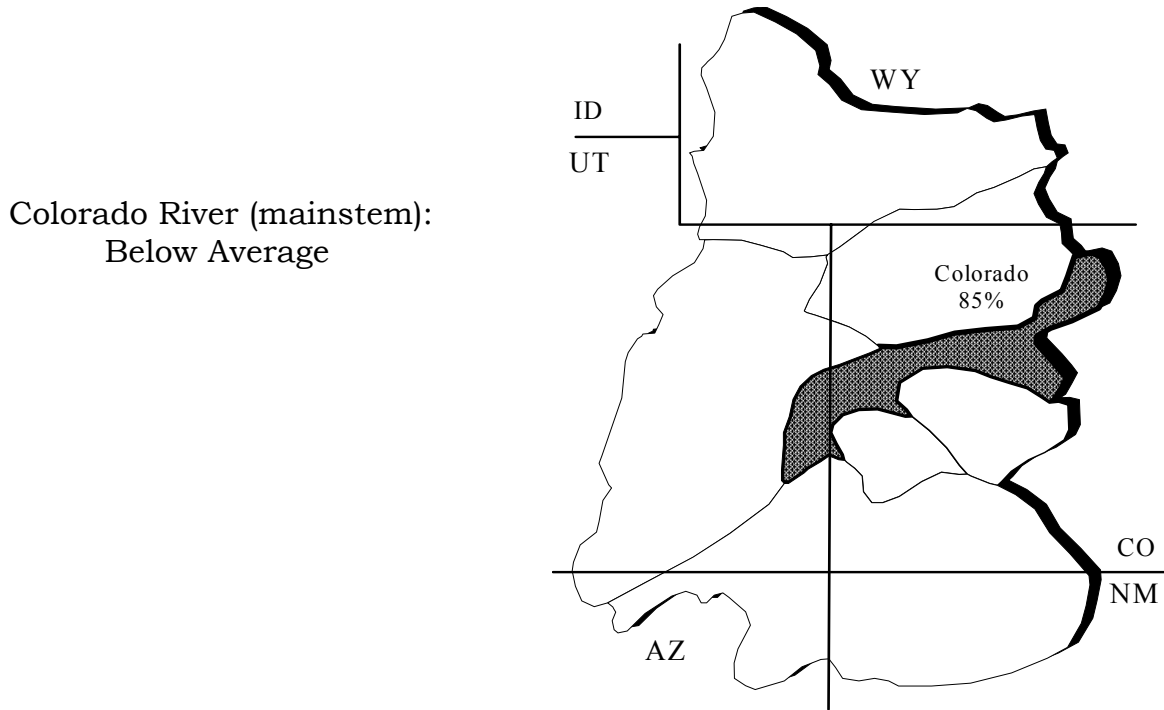


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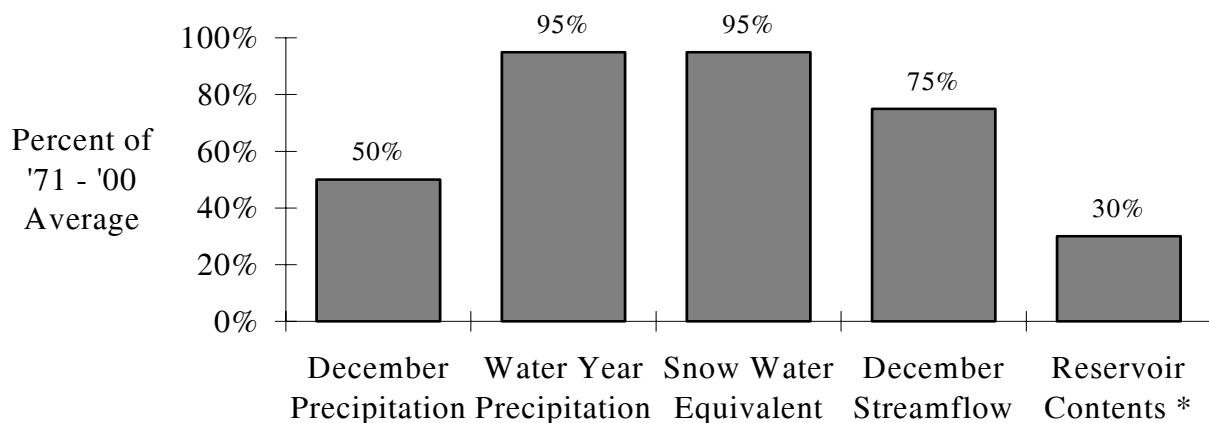
UPPER COLORADO MAINSTEM

Seasonal precipitation through January 1st in the upper mainstem of the Colorado River is near average, although December came in at only 50% of average. However, due to a very dry year last year and the fact that current soil moisture conditions are below average, forecasts for the 2003 spring runoff in these areas range from 61% to 88% of average.

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



BASIN CONDITIONS - JANUARY 1, 2003



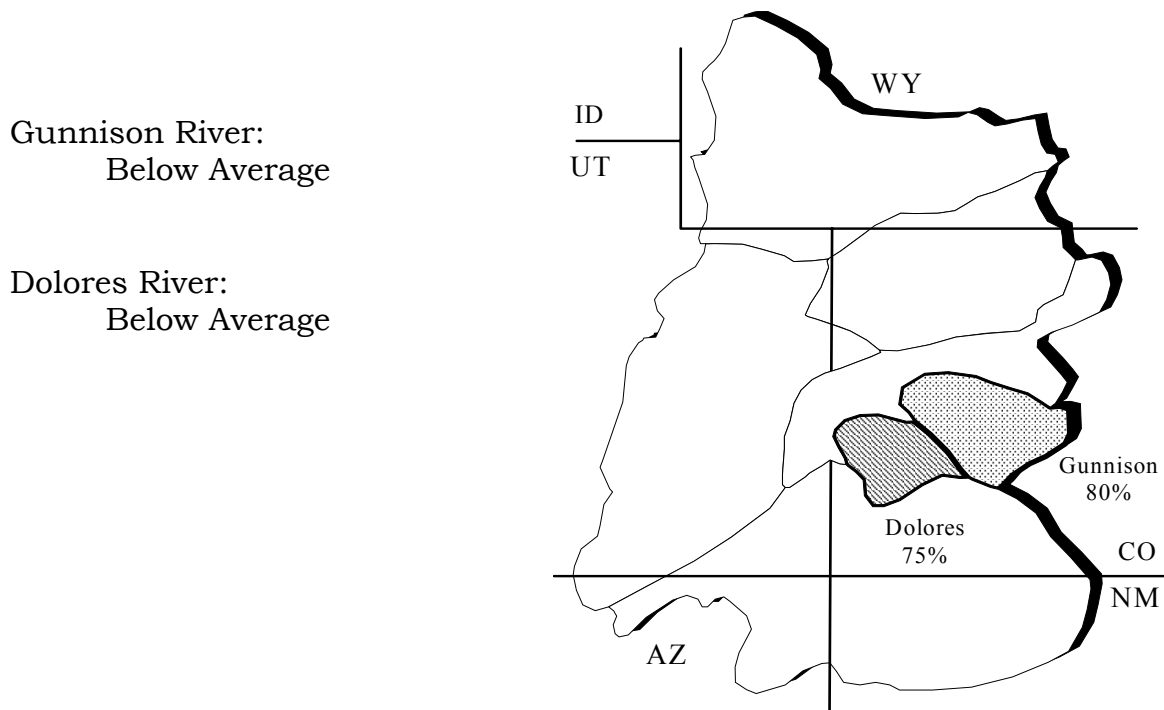
* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 6.

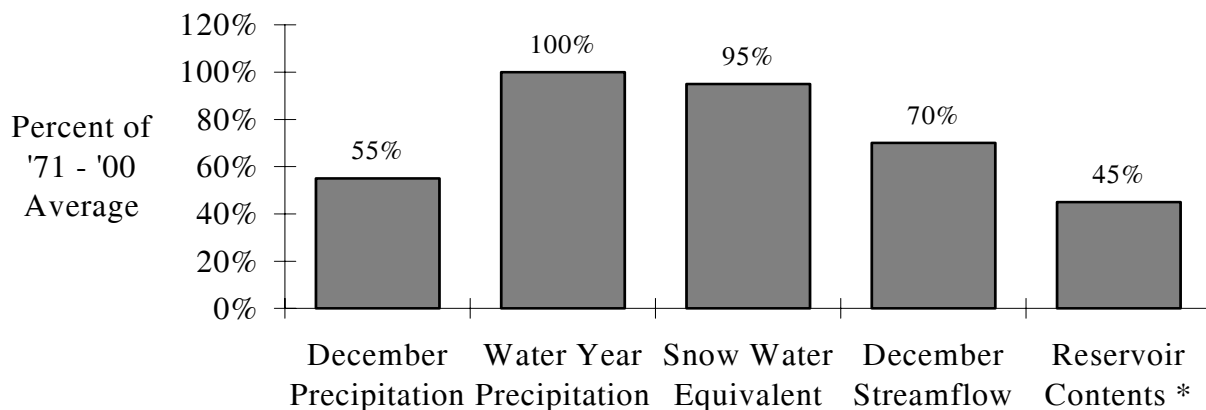
GUNNISON AND DOLORES RIVERS

Snow water equivalent in the Gunnison and Dolores river basins was near average on January 1. Seasonal precipitation was 100% of average in the Gunnison River Basin and 82% of average in the Dolores River Basin. However, due to the extremely dry conditions coming into this water year, the April-July streamflow forecasts range between 65% and 85% of average.

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



BASIN CONDITIONS - JANUARY 1, 2003



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 7.

GREEN RIVER

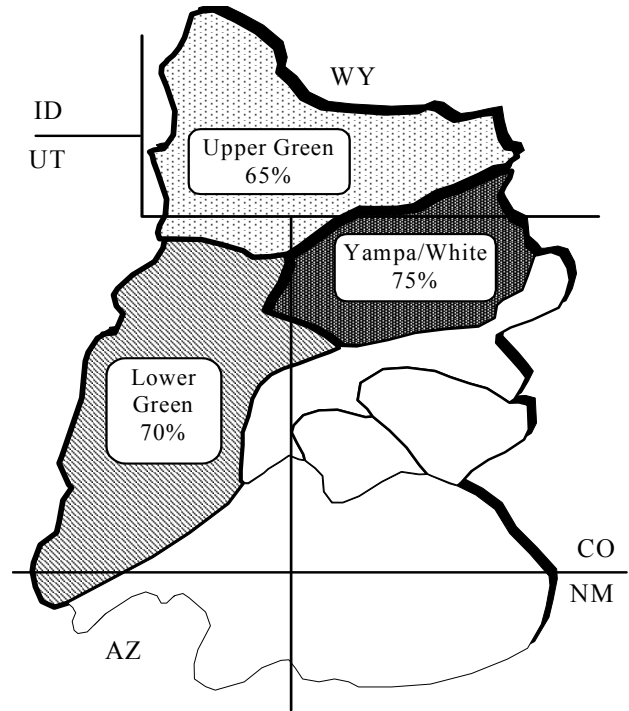
As of January 1st, seasonal precipitation, snowpack, and streamflow conditions are generally below average in much of the Green River Basin. A few sites in the Upper Yampa and Price San Rafael drainages contain near or slightly above average snowpack while elsewhere between 60% and 90% of average is common. At this time, April-July runoff volumes are expected to generally range between 60% and 85% of average.

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

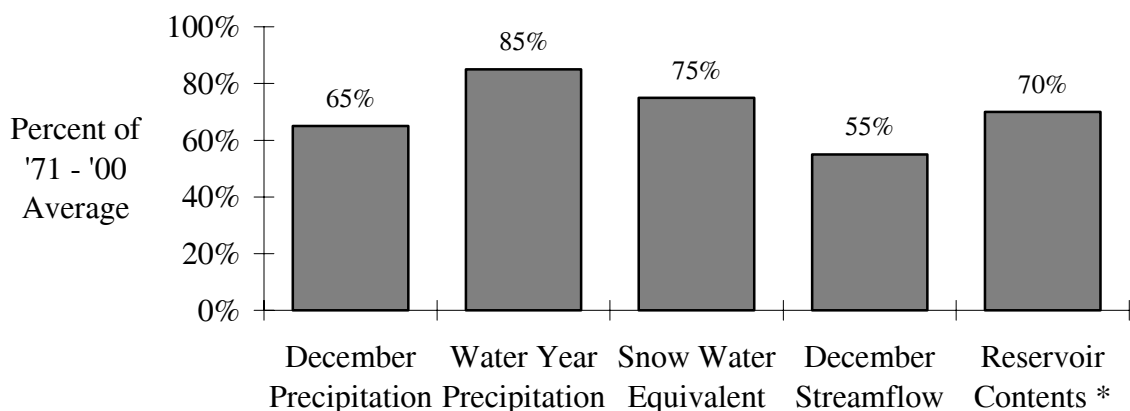
Upper Green River:
Much Below Average

Yampa/White Rivers:
Below Average

Lower Green River
(below Flaming Gorge):
Below Average



BASIN CONDITIONS - JANUARY 1, 2003



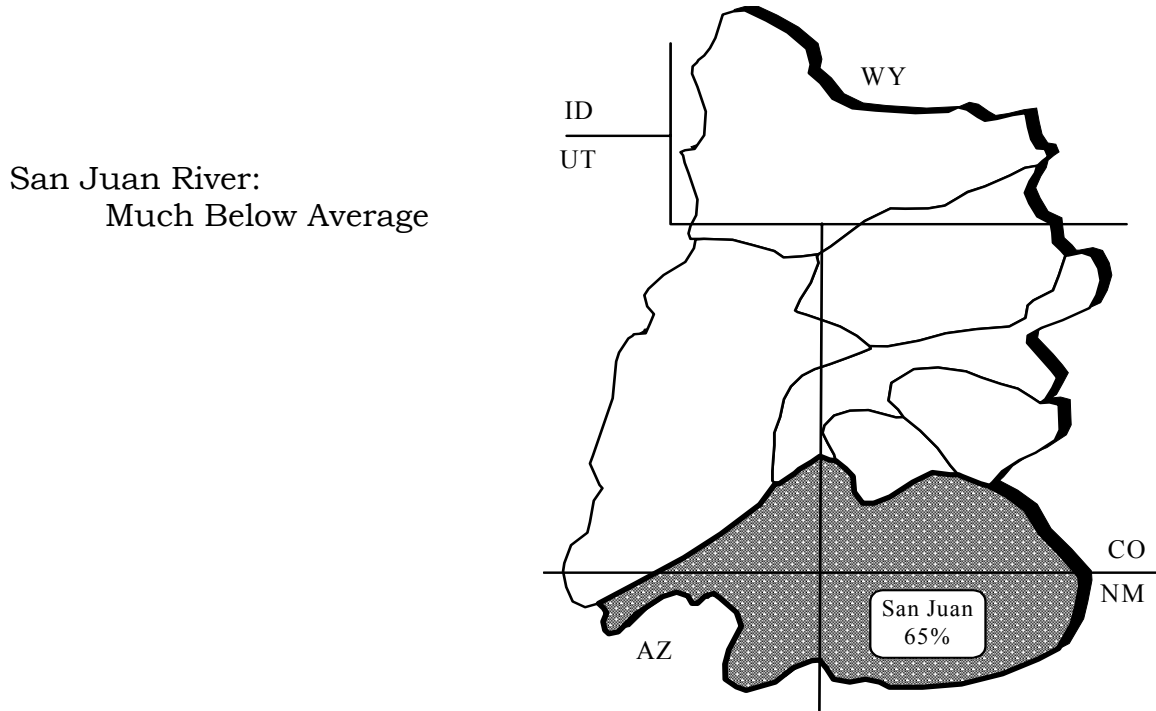
* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 8.

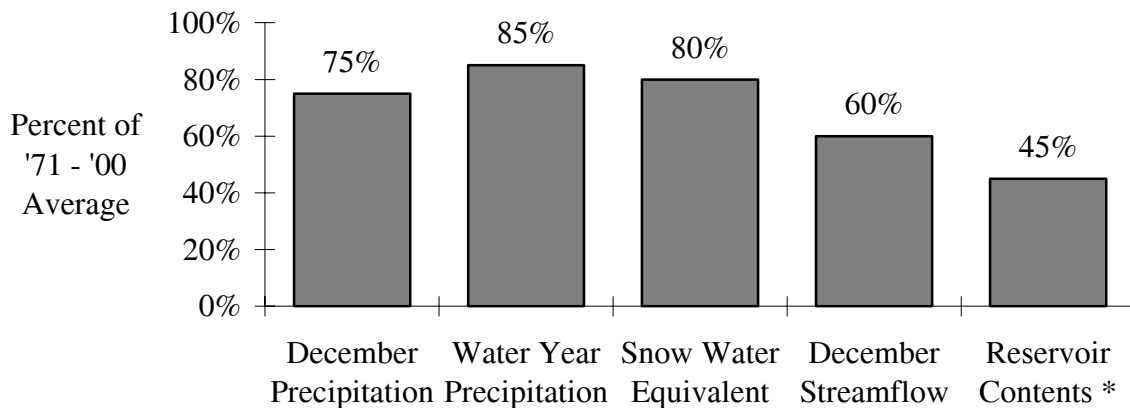
SAN JUAN RIVER

As of January 1st, the San Juan River Basin is poised for another dry year. Streamflows were 60% of average. Basinwide snow totals are 78% of average, but soils are extremely dry. El Nino has not helped the precipitation or snow accumulation to this point. December precipitation totalled 75% of average. Forecast flows for the April-July runoff range from 57% to 75% of average.

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



BASIN CONDITIONS - JANUARY 1, 2003



* 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	185	82	270	127
	DOTSERO, NR	1150	80	1790	575
	GLENWOOD SPRINGS, BLO	1800	83	2440	1160
	CAMEO, NR	2000	83	3000	1000
	CISCO, NR	3700	80	5590	1810
WILLOW CK	WILLOW CK RES, GRANBY, NR	45	88	70	26
FRASER	WINTER PARK	16.5	82	22	11
WILLIAMS FORK	WILLIAMS FORK RES, PARSHALL, N	80	84	111	54
MUDDY CK	WOLFORD MTN RES, BLO	50	83	85	30
BLUE	DILLON RES	140	84	210	72
	GREEN MTN RES	240	86	300	185
EAGLE	GYPSUM, BLO	290	87	445	189
FRYING PAN	RUEDI RES, BASALT, NR	125	89	184	85
ROARING FORK	GLENWOOD SPRINGS	625	88	875	415
PLATEAU CK	CAMEO, NR	70	61	167	10
MILL CK	MOAB, NR, SHELEY TUN, AT	4	80	7.8	1.6

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	85	83	127	43
	ALMONT	130	79	190	70
EAST	ALMONT	165	86	245	85
GUNNISON	GUNNISON, NR	315	81	480	151
TOMICHI CK	GUNNISON	60	74	125	18.5
LAKE FORK	GATEVIEW	95	75	150	50
GUNNISON	MORROW POINT RES	625	80	935	315
	CRYSTAL RES	700	77	1080	320
MUDDY CK	● PAONIA RES, BARDINE, NR	80	80	150	32
NF GUNNISON	SOMERSET, NR	245	80	400	88
SURFACE CK	CEDAREEDGE	12.7	74	23	7.2
UNCOMPAHGRE	RIDGWAY RES	85	83	125	45
	COLONA	108	78	180	36
	DELTA	87	74	150	24
GUNNISON	GRAND JUNCTION, NR	1200	77	1920	480
DOLORES	DOLORES	210	79	325	93
	MCPHEE RES	250	78	400	102
	CISCO, NR	360	65	710	100
SAN MIGUEL	PLACERVILLE, NR	107	81	162	51

● = March - June forecast period.

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	185	70	270	102
	GREEN RIVER, WY, NR	515	59	825	205
	GREEN RIVER, UT	2130	67	3440	820
PINE CK	FREMONT LK, ABV	78	75	103	53
NEW FORK	BIG PINEY, NR	265	67	410	120
BIG SANDY	FARSON, NR	38	66	60	16.4
BLACKS FORK	ROBERTSON, NR	58	61	89	27
EF SMITHS FORK	ROBERTSON, NR	18.8	61	25	13.9
HAMS FORK	FRONTIER, NR, POLE CK, BLO	46	71	72	26
	VIVA NAUGHTON RES	60	67	103	33
YAMPA	STAGECOACH RSVR, ABV	20	69	34	6.1
	STEAMBOAT SPRINGS	230	82	320	137
	MAYBELL, NR	790	80	1190	395
ELK	MILNER, NR	230	71	370	123
ELKHEAD CK	ELKHEAD, NR	28	72	50	15.9
	MAYNARD GULCH, BLO	47	80	71	23
FORTIFICATION CK	● FORTIFICATION, NR	6	80	10.4	1.6
LITTLE SNAKE	SLATER, NR	120	75	200	60
	DIXON, NR	250	76	365	133
	LILY, NR	275	75	395	154

● = March - June forecast period.

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	14.7	70	22	7.1
ASHLEY CK	VERNAL, NR	40	77	63	17
WF DUCHESNE	HANNA, NR	16.5	69	29	7.7
ROCK CK	UPPER STILLWATER RES	57	70	89	26
	MOUNTAIN HOME, NR	62	70	91	33
DUCHESNE	TABIONA, NR	74	70	106	44
	DUCHESNE, NR, KNIGHT DIV, ABV	125	66	195	55
	MYTON	140	54	270	67
	RANDLETT, NR	170	52	420	98
STRAWBERRY	SOLDIER SPRINGS, NR	40	68	82	12.9
	DUCHESNE, NR	79	65	150	31
CURRENT CK	CURRENT CK RES	15.3	61	25	6.1
LAKE FORK	MOON LAKE RES, MTN HOME, NR	49	72	71	27
YELLOWSTONE	ALTONAH, NR	45	73	710	19.1
WHITEROCKS	WHITEROCKS, NR	43	77	72	14.4
WHITE	MEEKER, NR	235	81	385	143
	WATSON, NR	245	80	400	90
GOOSEBERRY CK	SCOFIELD, NR	9.2	77	14.9	3.5
PRICE	SCOFIELD RES, SCOFIELD, NR	38	83	55	21
WHITE	BLO TABBYUNE CK, SOLDIER SUMMI	12.5	72	24	4.6
HUNTINGTON CK	ELECTRIC LAKE	12.5	80	24	5.4
	HUNTINGTON, NR	40	80	62	18.2
SEELEY CK	JOES VLY RES, ORANGEVILLE, NR	43	74	71	15.5
FERRON CK	FERRON, NR	33	85	51	18.7
SEVEN MILE CK	FISH LAKE, NR	5.1	73	9	2.5
MUDDY CK	EMERY, NR	16.3	82	27	5.3

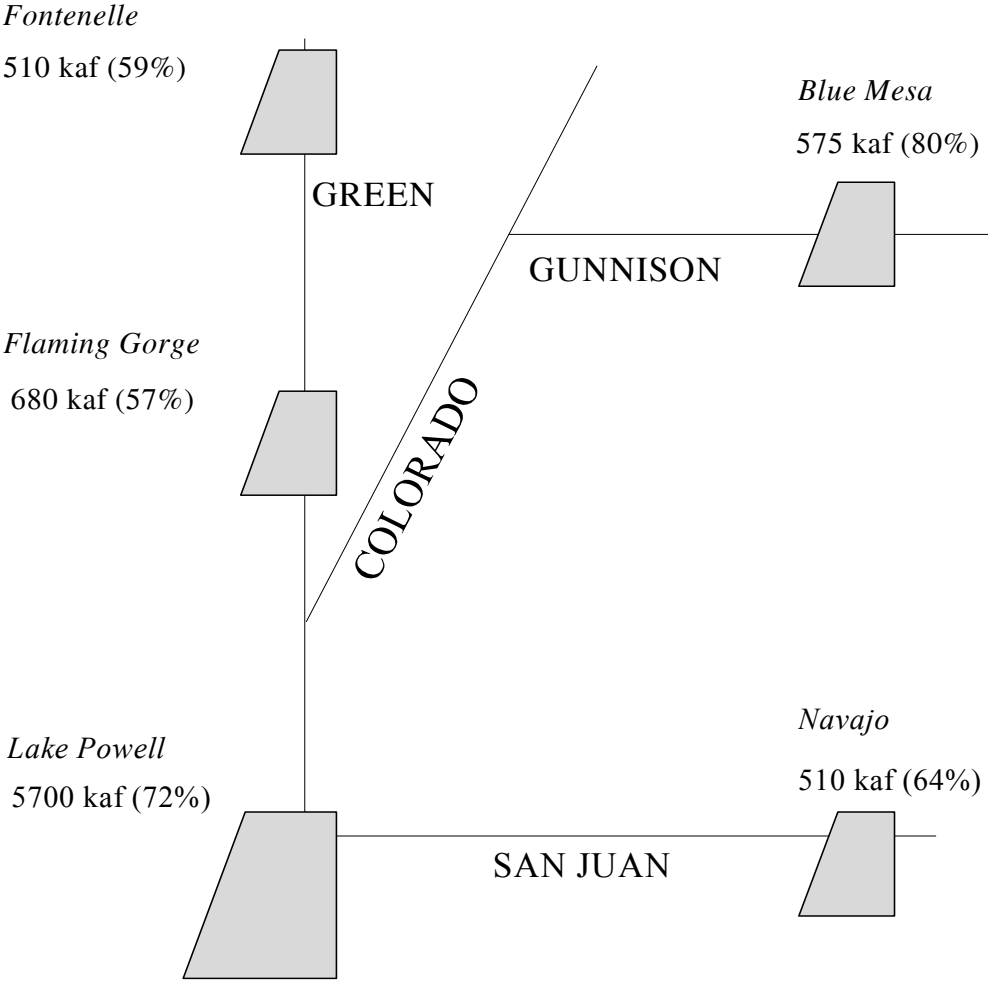
San Juan River Basin: April through July volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
SAN JUAN	PAGOSA SPRINGS	145	64	450	40
	CARRACAS, NR	280	69	435	160
	FARMINGTON	850	70	1320	245
	BLUFF, NR	800	65	1310	250
RIO BLANCO	PAGOSA SPRINGS, NR, BLANCO DAM	35	66	58	11
NAVAJO	CHROMO, NR, OSO DIV DAM, BLO	48	70	82	14
PIEDRA	ARBOLES, NR	150	65	255	44
LOS PINOS	VALLECITO RES, BAYFIELD, NR	136	66	230	42
ANIMAS	DURANGO	330	75	535	124
FLORIDA	LEMON RES, DURANGO, NR	42	72	70	14
LA PLATA	HESPERUS	18.6	74	31	6.2
MANCOS	MANCOS, NR	30	75	56	3.7
SOUTH CK	◆ LLOYD'S RSVR NR MONTICELLO, AB	0.85	65	2.6	0.2
RECAPTURE CK	◆ BLANDING, NR, JOHNSON CK, BLO	3.5	57	9.6	0.8

◆ = March - July forecast period.

FLOOD CONTROL FORECASTS

MOST PROBABLE FORECASTS
2003 APRIL - JULY INFLOW VOLUMES
 (% OF '71 - '00 AVERAGE)

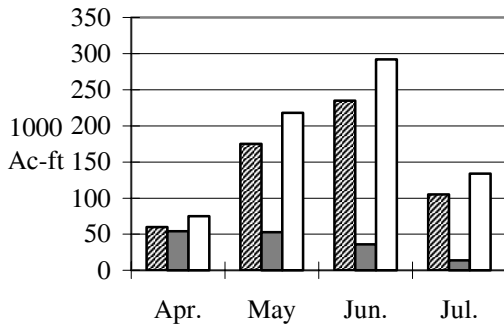


NOTE: Colorado River flood control forecasts account for a smaller set of upstream adjustments than water supply forecast points.

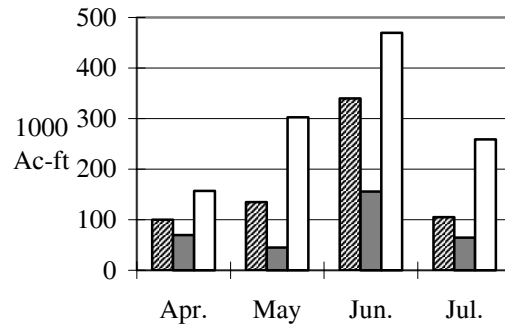
RESERVOIR MONTHLY INFLOW FORECASTS



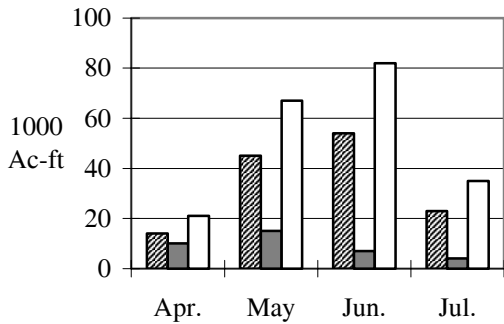
Blue Mesa Reservoir Inflow



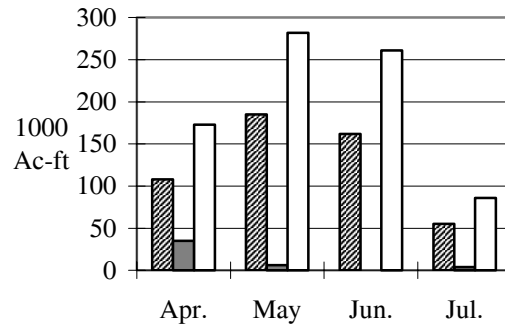
Flaming Gorge Reservoir Inflow



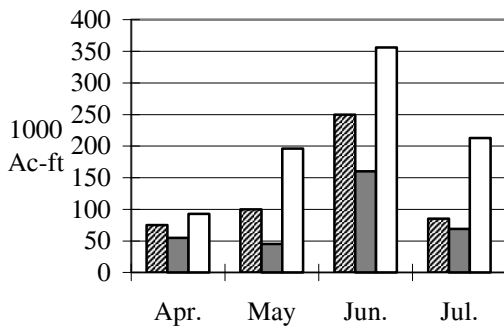
Vallecito Reservoir Inflow



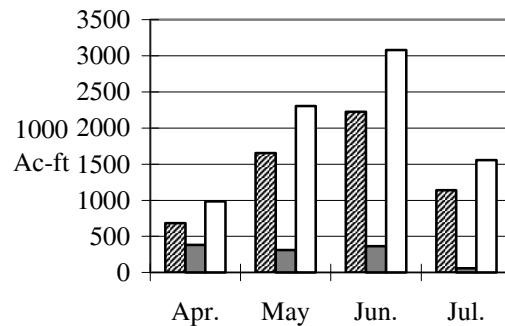
Navajo Reservoir Inflow



Fontenelle Reservoir Inflow

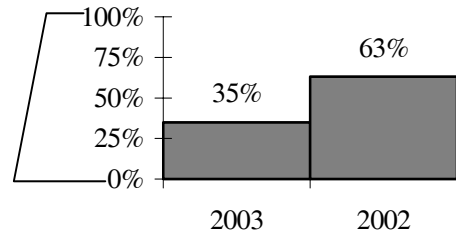
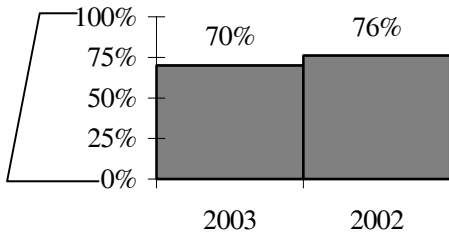


Lake Powell Inflow

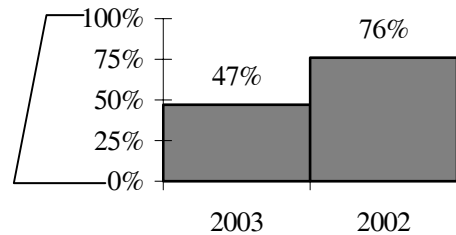
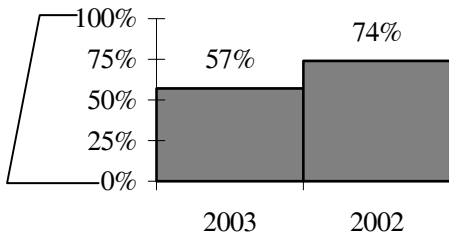


END OF MONTH RESERVOIR CONTENTS

Percent of Usable Capacity



Green
 Combined
 Upper Colorado, Gunnison, and Dolores
 San Juan



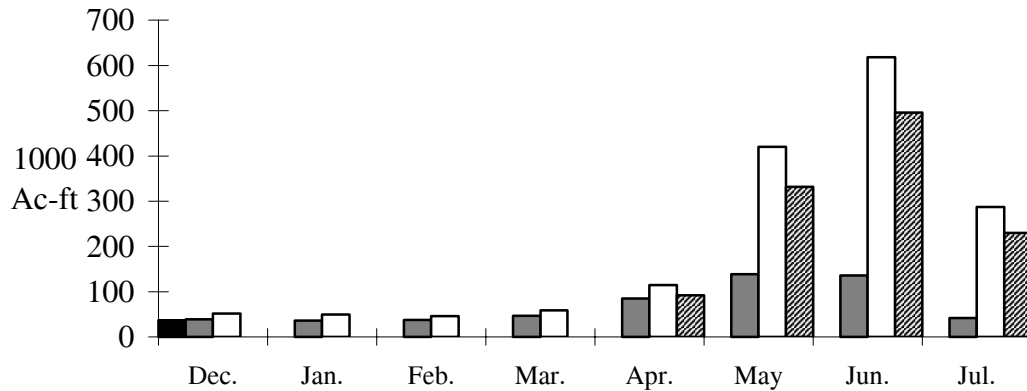
RESERVOIR (vol. in 1000 ac-ft)	Reservoir status	Usable Capacity	EOM Usable Contents	Percent Usable Capacity
Fontenelle	1,4	344.8	213.3	62
Flaming Gorge	1,4	3749	2631.8	70
Strawberry	1,4	1105.9	814	74
Starvation	1,4	165.3	120	73
Lake Granby	2,4	490.3	84.2	17
Dillon	2,4	254	139.4	55
Green Mountain	2,4	146.9	41.7	28
Taylor Park	2,4	106.2	41.1	39
Blue Mesa	2,4	829.5	283.2	34
Ridgway	2,4	83.2	59.6	72
McPhee	2,4	381.1	159.5	42
Vallecito	3,4	125.4	32.4	26
Navajo	3,4	1696	826.8	49
Lake Powell	4	24322	13774	57

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

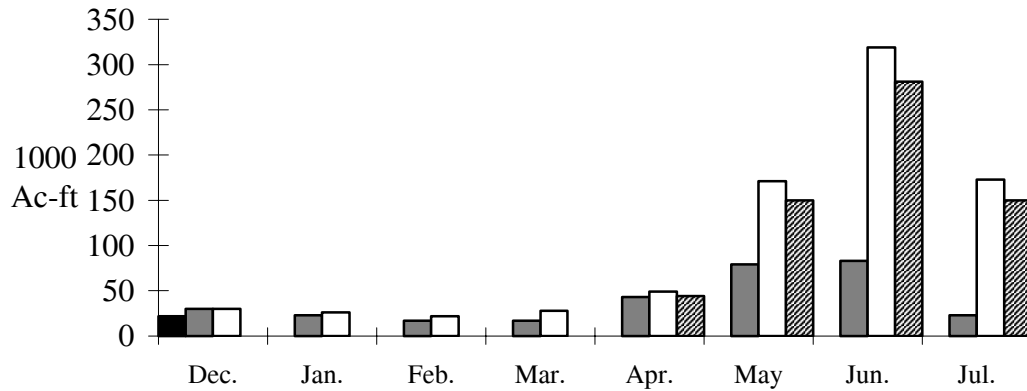
MONTHLY STREAMFLOWS



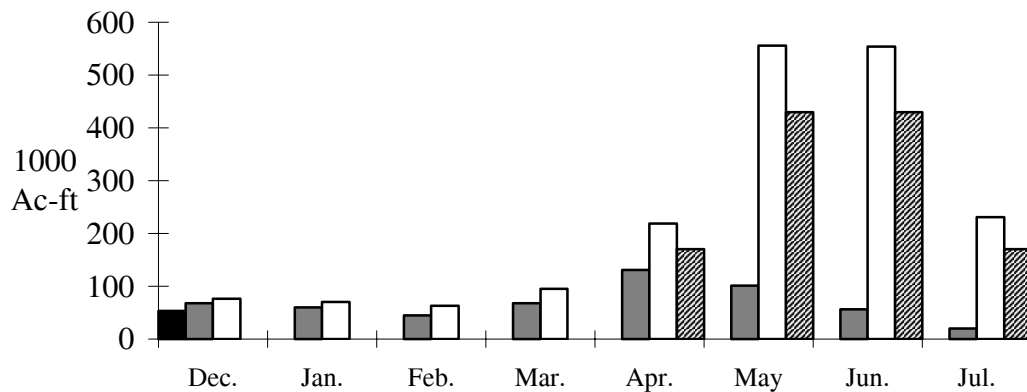
Colorado - Dotsero, nr:



Roaring Fork - Glenwood Springs:



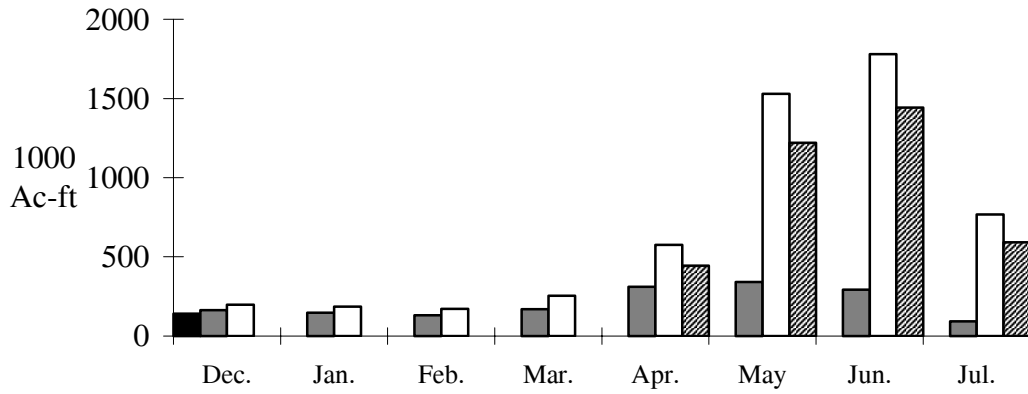
Gunnison - Grand Junction, nr:



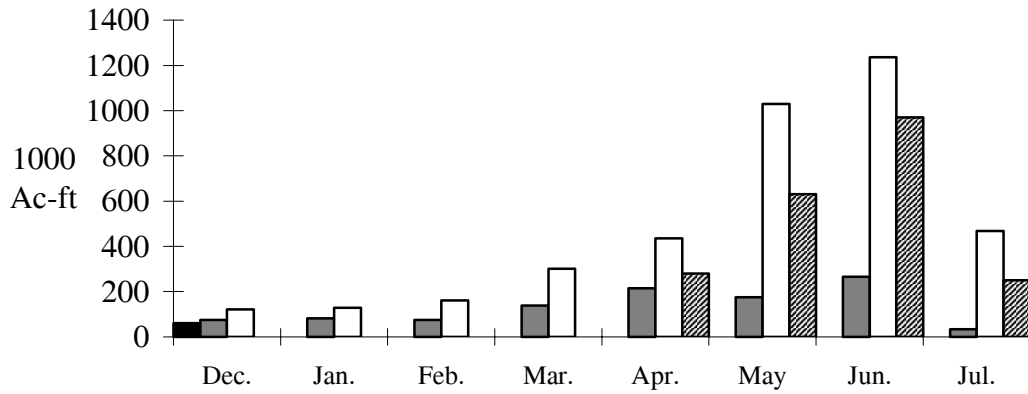
* Data Not Available



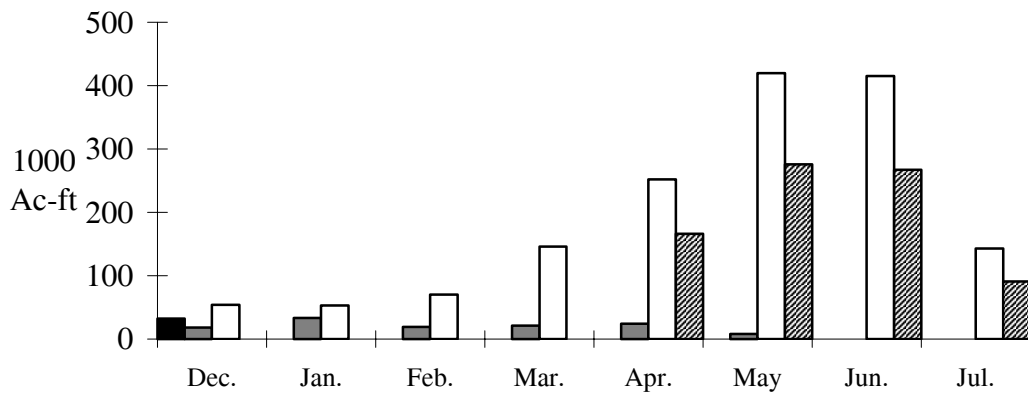
Colorado - Cisco, nr:



Green - Green River, UT:



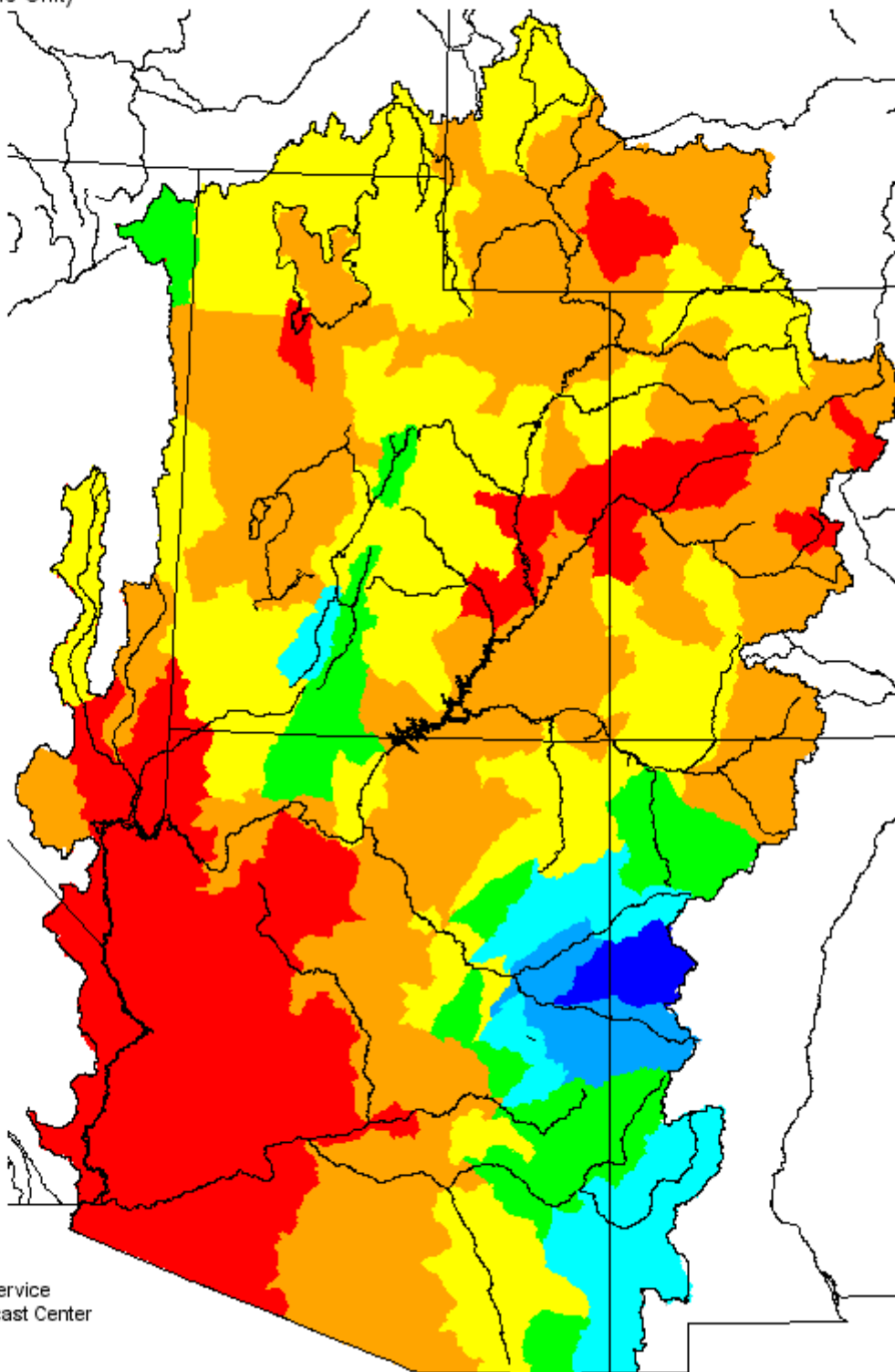
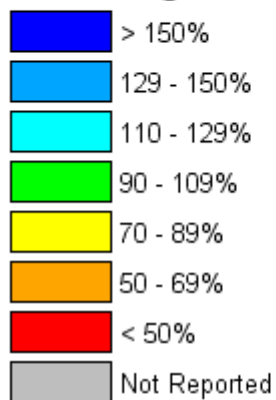
San Juan - Bluff, nr:



Monthly Precipitation for December 2002

(Averaged by Hydrologic Unit)

% Average

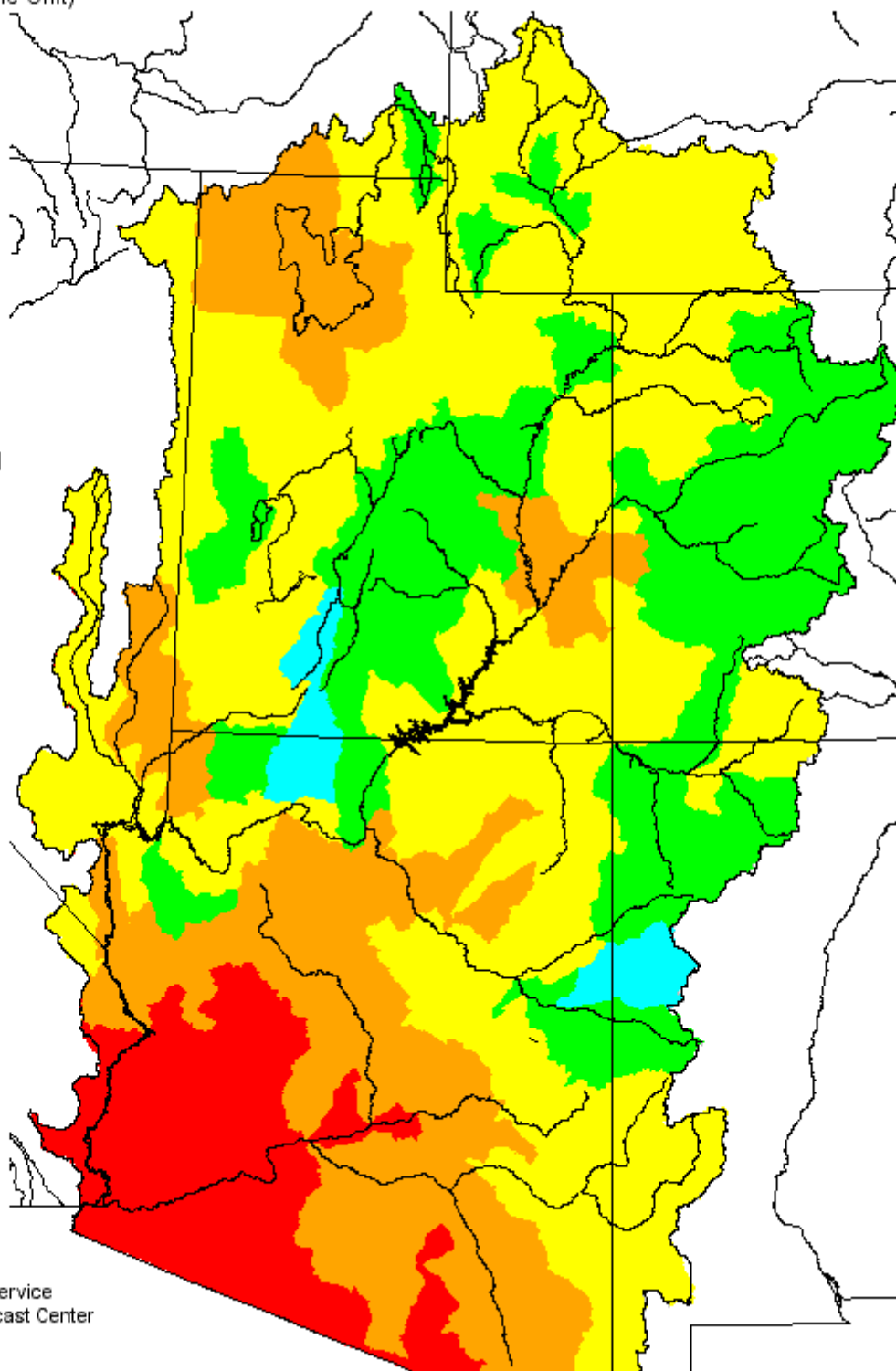
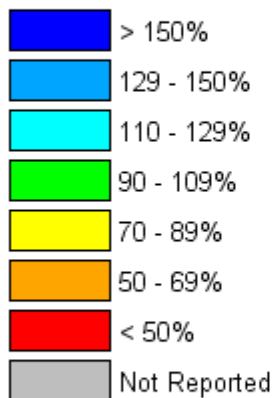


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2002 - December 2002

(Averaged by Hydrologic Unit)

% Average



Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
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%
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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