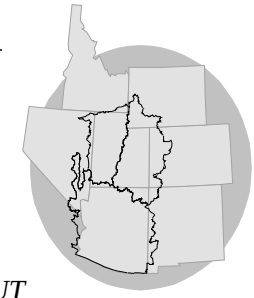
WATER SUPPLY OUTLOOK
for the
UPPER COLORADO

COLORADO BASIN
RIVER FORECAST CENTER
NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT

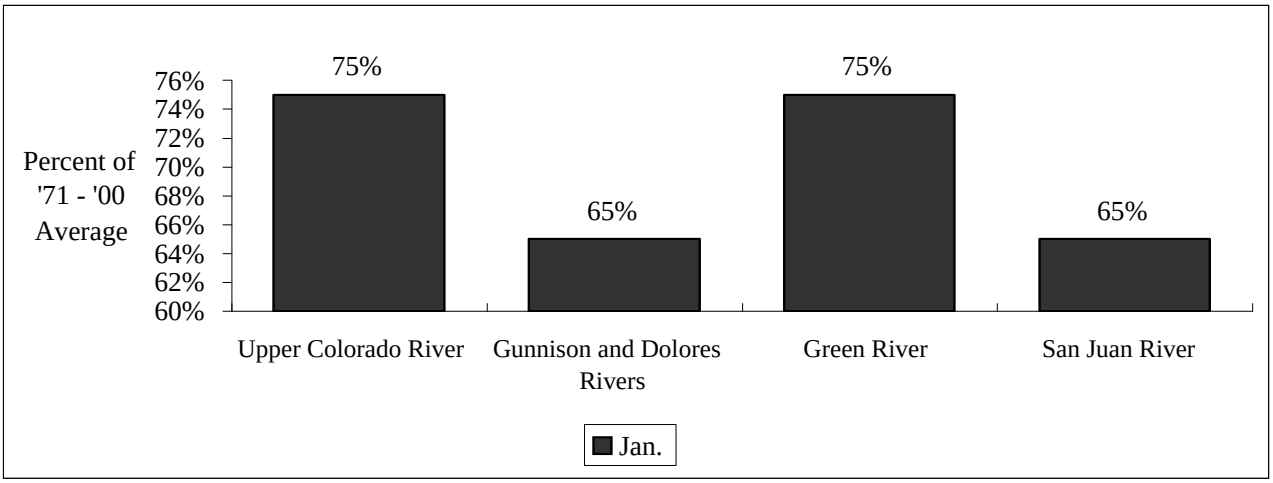


JANUARY 1, 2002

SUMMARY

Water year precipitation leading up to January of 2002 has generally been below average, with lowest amounts over the San Juan Basin and greatest amounts over the eastern portions of the Upper Green Basin. January 1 snowpacks are reflective of this trend, ranging from 90% of average over the Upper Green to 50% of average over the San Juan Basin. Volume forecasts for the Spring 2002 runoff are mostly below to much below average.

APRIL - JULY VOLUME FORECASTS

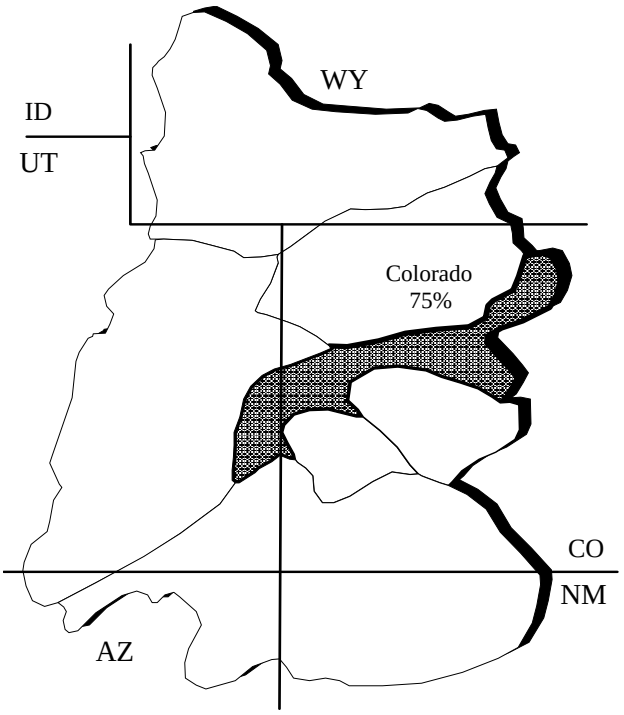


UPPER COLORADO MAINSTEM

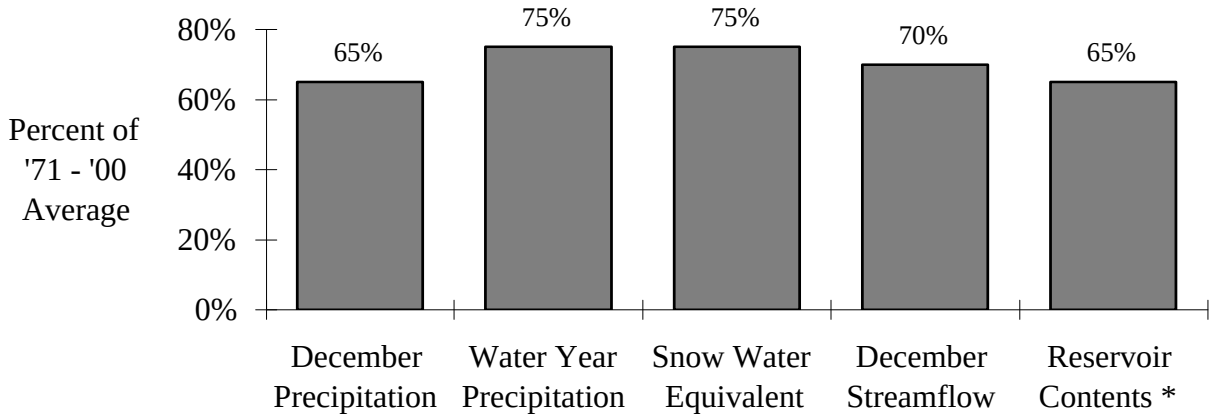
Seasonal precipitation up to January 1 in the upper mainstem of the Colorado River has been below average. Point snow measurements on January 1 varied from about 55% to 100% of average. Forecasts for the Spring 2002 runoff vary from 61% to 85% of average.

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

Colorado River (mainstem):
Below Average



BASIN CONDITIONS - JANUARY 1, 2002



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 6.

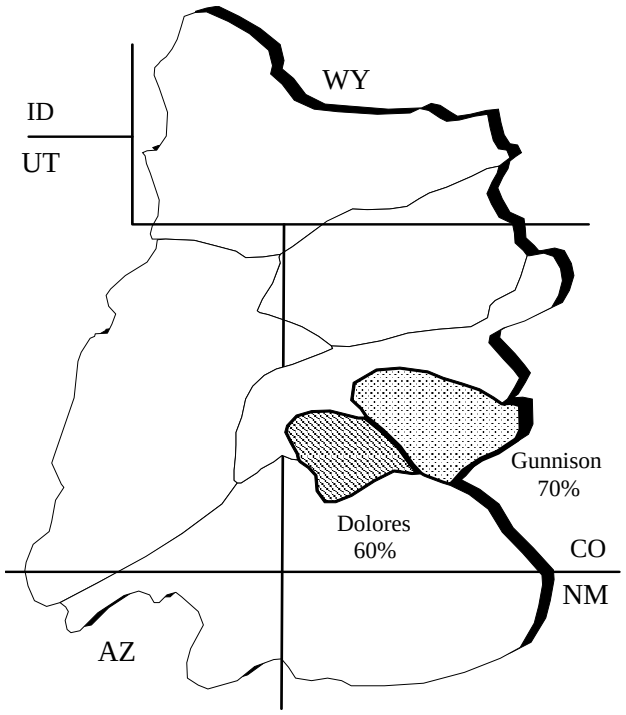
GUNNISON AND DOLORES RIVERS

Snow water equivalent values on January 1 ranged from 55% to 95% of average in the Gunnison and Dolores Basins. Seasonal precipitation was also below average at 75% of average. Streamflow forecasts for the April-July runoff period range from 50% to 85% of average.

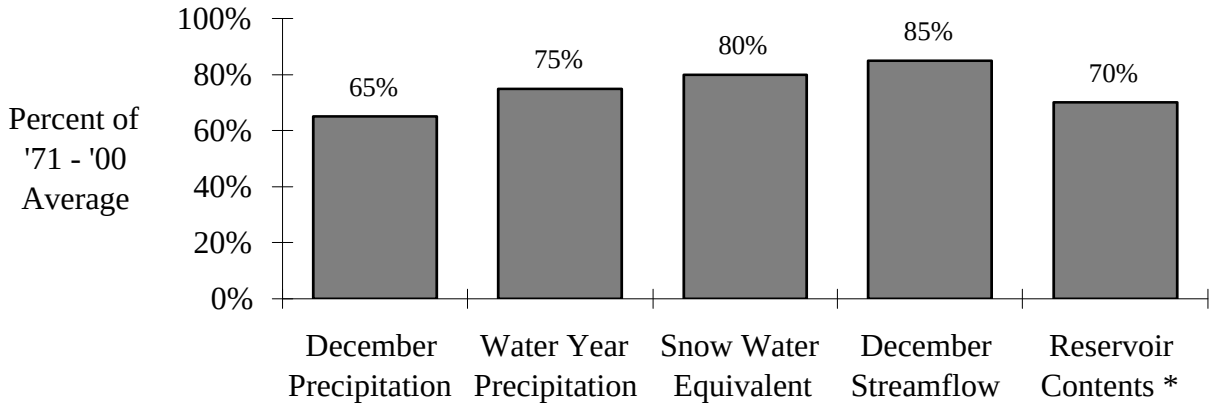
April-July streamflow forecasts for the Gunnison and Dolores Rivers are as follows:

Gunnison River:
Below Average

Dolores River:
Much Below Average



BASIN CONDITIONS - JANUARY 1, 2002



* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 7.

GREEN RIVER

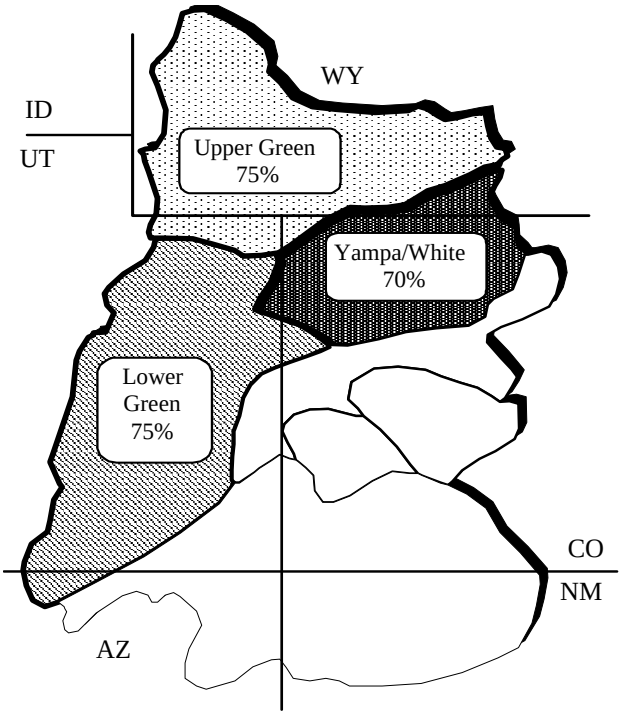
Seasonal precipitation and snowpack conditions throughout the Green River Basin, while highly variable, are generally below average as of January 1st. Values closer to average exist in the higher elevations of the Green River Basin in Wyoming while much below average conditions are more predominate in the Yampa/White River Basins. April-July runoff forecasts range from near 65% to 85% of average for most locations.

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

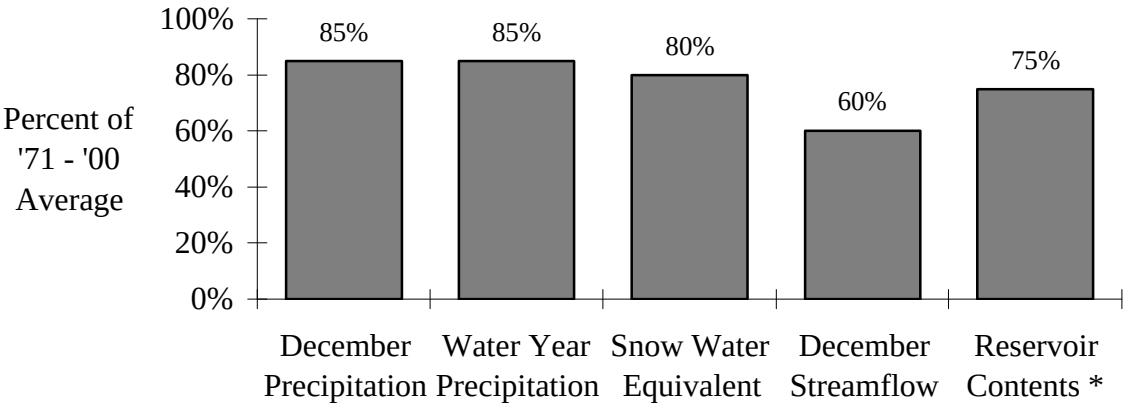
Upper Green River:
Below Average

Yampa/White Rivers:
Below Average

Lower Green River
(blo Flaming Gorge):
Below Average



BASIN CONDITIONS - JANUARY 1, 2002



* Percent usable capacity, not percent average contents.

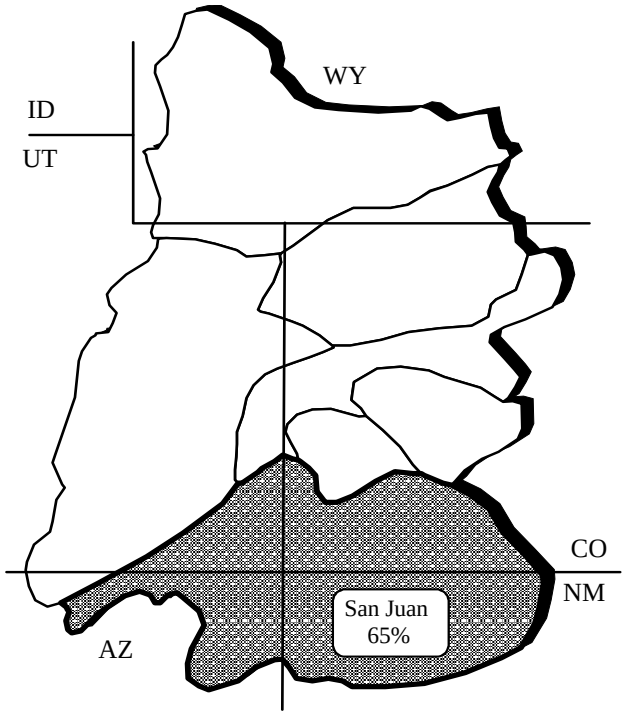
Specific site forecasts are listed beginning on page 8.

SAN JUAN RIVER

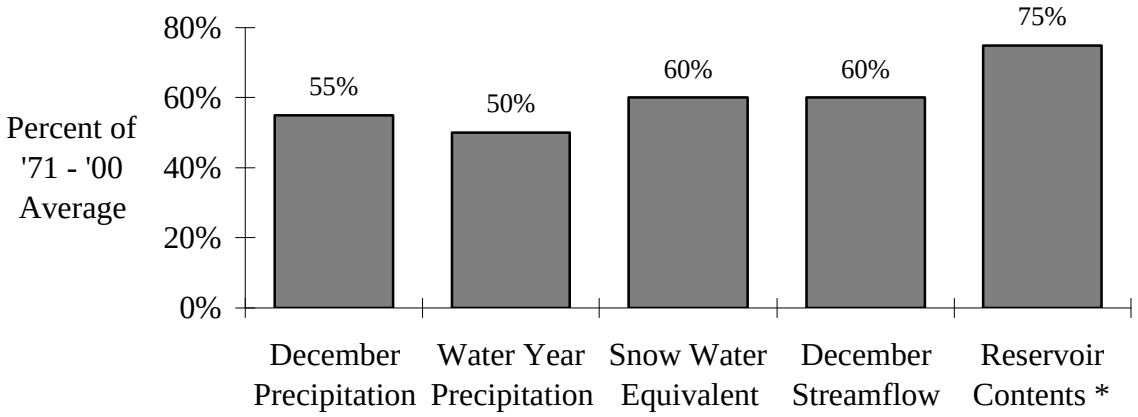
Seasonal precipitation as of January 1 for the San Juan Basin is much below average at 52%. Snowpack measurements on January 1 indicated 58% of average. This trend toward much below average snowpack is characteristic of the entire basin and has resulted in April-July runoff forecasts ranging from 60% to 78% of average.

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

San Juan River:
Much Below Average



BASIN CONDITIONS - JANUARY 1, 2002



* 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	170	76	245	57
	DOTSERO, NR	1100	76	1740	615
	GLENWOOD SPRINGS, BLO	1730	80	2340	1120
	CAMEO, NR	1850	76	2850	855
	CISCO, NR	3000	68	4890	1110
WILLOW CK	WILLOW CK RES, GRANBY, NR	35	69	57	18.3
FRASER	WINTER PARK	17	85	24	10.5
WILLIAMS FORK	WILLIAMS FORK RES, PARSHALL, N	65	68	93	42
MUDDY CK	WOLFORD MTN RES, BLO	42	70	71	25
BLUE	DILLON RES	130	78	200	77
	GREEN MTN RES	225	80	285	172
EAGLE	GYPSUM, BLO	265	79	405	172
FRYING PAN	RUEDI RES, BASALT, NR	105	74	155	71
ROARING FORK	GLENWOOD SPRINGS	575	81	815	375
PLATEAU CK	CAMEO, NR	70	61	145	10
MILL CK	MOAB, NR, SHELEY TUN, AT	5	100	8.8	1.2

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	75	73	115	40
	ALMONT	115	70	185	65
EAST	ALMONT	140	73	230	75
GUNNISON	GUNNISON, NR	270	69	460	130
TOMICHI CK	GUNNISON	40	49	90	20
LAKE FORK	GATEVIEW	90	71	145	50
GUNNISON	MORROW POINT RES	530	68	940	205
	CRYSTAL RES	620	68	1120	230
MUDDY CK ●	PAONIA RES, BARDINE, NR	75	71	143	28
NF GUNNISON	SOMERSET, NR	215	70	415	65
SURFACE CK	CEDAREDGE	11	64	25	4.3
UNCOMPAHGRE	RIDGWAY RES	80	84	120	45
	COLONA	95	68	165	35
	DELTA	80	68	160	30
GUNNISON	GRAND JUNCTION, NR	990	63	1800	300
DOLORES	DOLORES	180	68	300	65
	MCPHEE RES	200	62	330	70
	CISCO, NR	315	56	710	60
SAN MIGUEL	PLACERVILLE, NR	95	72	150	40

● = 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	225	85	310	142
	GREEN RIVER, WY, NR	650	74	955	340
	GREEN RIVER, UT	2160	68	3470	850
PINE CK	FREMONT LK, ABV	88	85	113	63
NEW FORK	BIG PINEY, NR	315	80	460	170
BIG SANDY	FARSON, NR	49	84	71	27
BLACKS FORK	ROBERTSON, NR	70	74	101	47
EF SMITHS FORK	ROBERTSON, NR	21	68	29	15.5
HAMS FORK	FRONTIER, NR, POLE CK, BLO	50	77	77	29
	VIVA NAUGHTON RES	65	73	108	22
YAMPA	STAGECOACH RSVR, ABV	20	69	34	10.4
	STEAMBOAT SPRINGS	195	70	290	102
	MAYBELL, NR	695	70	1090	300
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	5.9	79	10.3	2.4
LITTLE SNAKE	SLATER, NR	100	63	174	46
	DIXON, NR	200	61	315	83
	LILY, NR	220	60	340	99

● = 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	15.5	74	23	7.9
ASHLEY CK	VERNAL, NR	42	81	65	19
WF DUCHESNE	HANNA, NR	16.8	70	29	7.9
ROCK CK	UPPER STILLWATER RES	60	73	92	37
	MOUNTAIN HOME, NR	65	73	93	36
DUCHESNE	TABIONA, NR	70	67	101	39
	DUCHESNE, NR, KNIGHT DIV, ABV	125	66	195	55
	MYTON	156	60	285	28
	RANDLETT, NR	195	60	445	45
STRAWBERRY	SOLDIER SPRINGS, NR	43	73	86	14.6
	DUCHESNE, NR	90	74	161	51
CURRANT CK	CURRANT CK RES	16.3	65	26	7.1
LAKE FORK	MOON LAKE RES, MTN HOME, NR	49	72	71	27
YELLOWSTONE	ALTONAH, NR	42	68	68	24
WHITEROCKS	WHITEROCKS, NR	48	86	77	19.4
WHITE	MEEKER, NR	200	69	330	121
	WATSON, NR	210	69	345	107
GOOSEBERRY CK	SCOFIELD, NR	10.1	85	15.8	4.4
PRICE	SCOFIELD RES, SCOFIELD, NR	41	89	58	24
WHITE	BLO TABBYUNE CK, SOLDIER SUMMI	12	69	23	4.3
HUNTINGTON CK	ELECTRIC LAKE	12	76	23	5.1
	HUNTINGTON, NR	42	84	64	20
SEELEY CK	JOES VLY RES, ORANGEVILLE, NR	46	79	74	18.5
FERRON CK	FERRON, NR	36	92	55	21
SEVEN MILE CK	FISH LAKE, NR	7	100	10.9	3.1
MUDDY CK	EMERY, NR	18.3	92	29	7.3

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

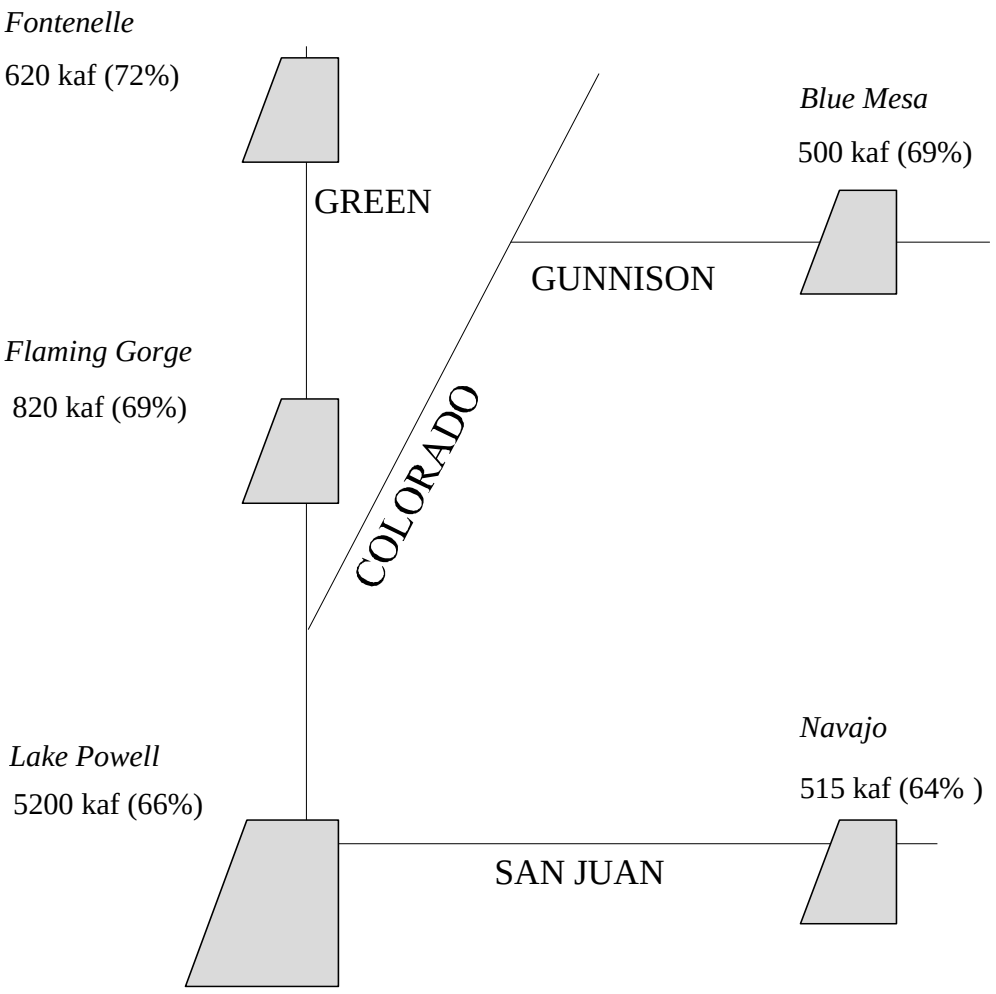
Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
SAN JUAN	PAGOSA SPRINGS	150	67	250	61
	CARRACAS, NR	245	60	390	134
	FARMINGTON	750	62	1420	115
	BLUFF, NR	750	61	1280	220
RIO BLANCO	PAGOSA SPRINGS, NR, BLANCO DAM	36	68	60	20
NAVAJO	CHROMO, NR, OSO DIV DAM, BLO	45	65	79	23
PIEDRA	ARBOLES, NR	145	63	250	39
LOS PINOS	VALLECITO RES, BAYFIELD, NR	132	64	225	81
ANIMAS	DURANGO	310	70	515	164
FLORIDA	LEMON RES, DURANGO, NR	37	64	65	23
LA PLATA	HESPERUS	18	72	30	5.6
MANCOS	MANCOS, NR	31	78	59	9.2
SOUTH CK ◆	LLOYD'S RSVR NR MONTICELLO, AB	0.9	71	2.7	0.1
RECAPTURE CK ◆	BLANDING, NR, JOHNSON CK, BLO	5	82	11.1	2

◆ = March - July forecast period.

FLOOD CONTROL FORECASTS

MOST PROBABLE FORECASTS

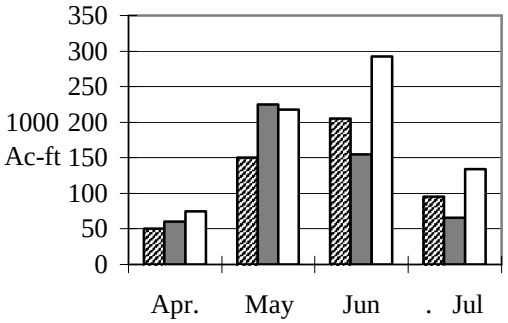
2002 APRIL - JULY INFLOW VOLUMES
(% OF '71 - '00 AVERAGE)



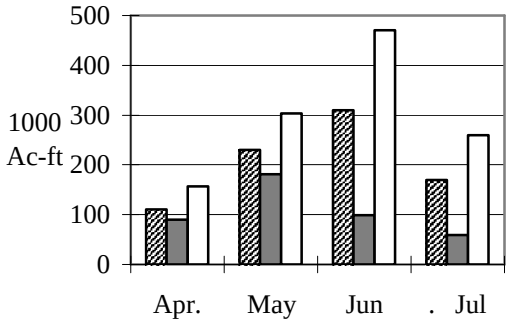
NOTE: Colorado River flood control forecasts account for a smaller set of upstream adjustments than water supply forecast points.

RESERVOIR MONTHLY INFLOW FORECASTS

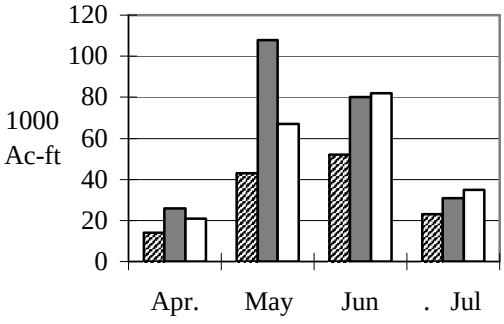
Blue Mesa Reservoir Inflow



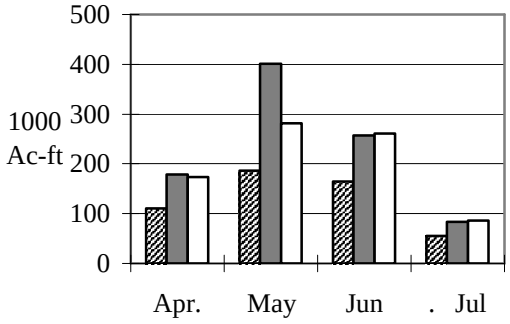
Flaming Gorge Reservoir Inflow



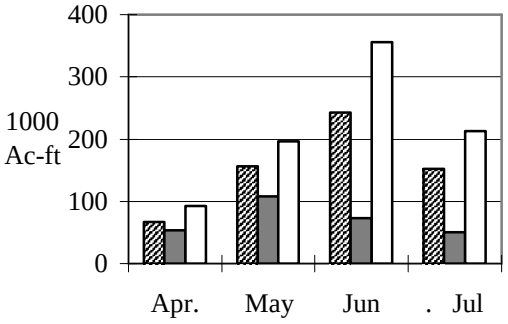
Vallecito Reservoir Inflow



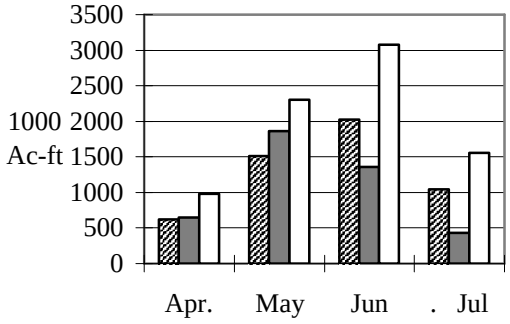
Navajo Reservoir Inflow



Fontenelle Reservoir Inflow

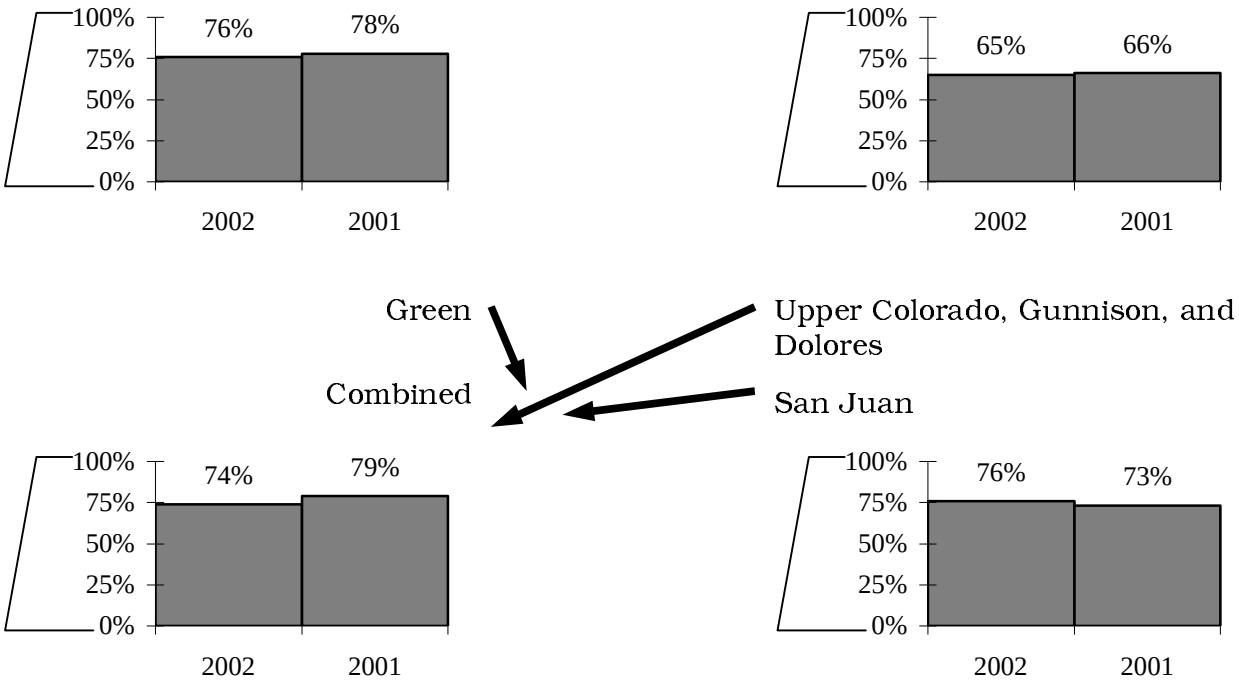


Lake Powell Inflow



End of Month Reservoir Contents

Percent of Usable Capacity

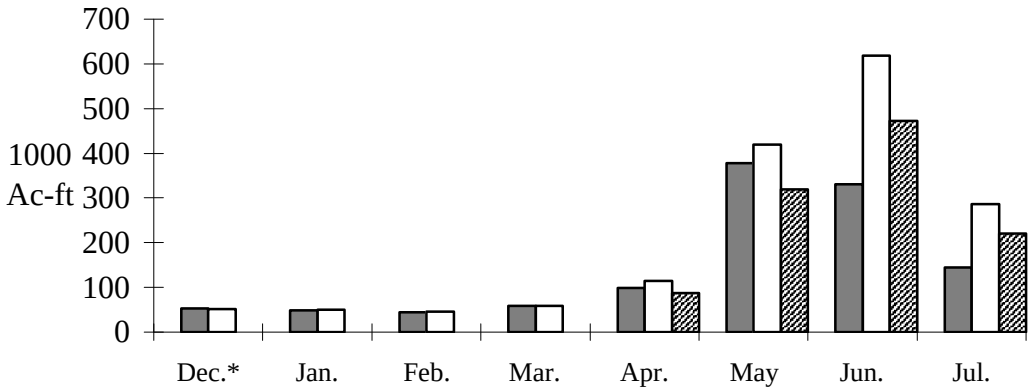


RESERVOIR (vol. in 1000 ac-ft)	Reservoir status	Usable Capacity	EOM Usable Contents	Percent Usable Capacity
Fontenelle	1,4	344.8	147	43
Flaming Gorge	1,4	3749	2873.4	77
Strawberry	1,4	1105.9	901.8	82
Starvation	1,4	165.3	139.8	85
Lake Granby	2,4	490.3	267.9	55
Dillon	2,4	254	212.8	84
Green Mountain	2,4	146.9	78.7	54
Taylor Park	2,4	106.2	64.8	61
Blue Mesa	2,4	829.5	544	66
Ridgway	2,4	83.2	66.4	80
McPhee	2,4	381.1	missing	missing
Vallecito	3,4	125.4	54	43
Navajo	3,4	1696	1329.8	78
Lake Powell	4	24322	17996	74

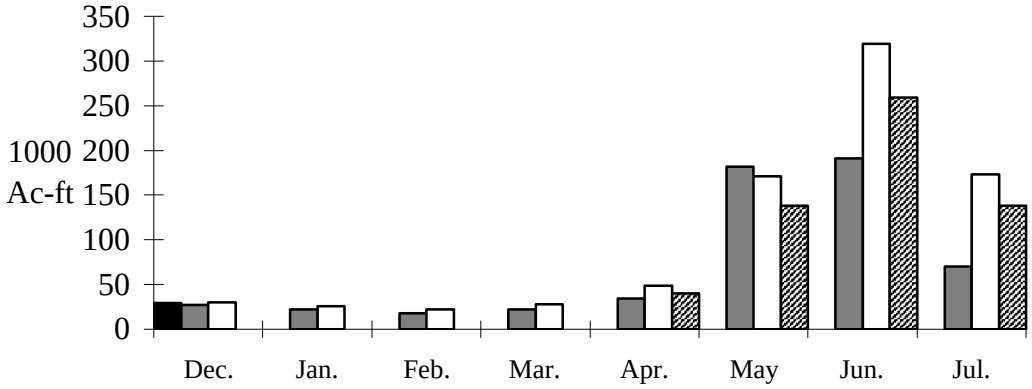
1 = Green River reservoir status
2 = Upper Colorado River reservoir status
3 = San Juan River reservoir status
4 = Combined reservoir status

MONTHLY STREAMFLOWS

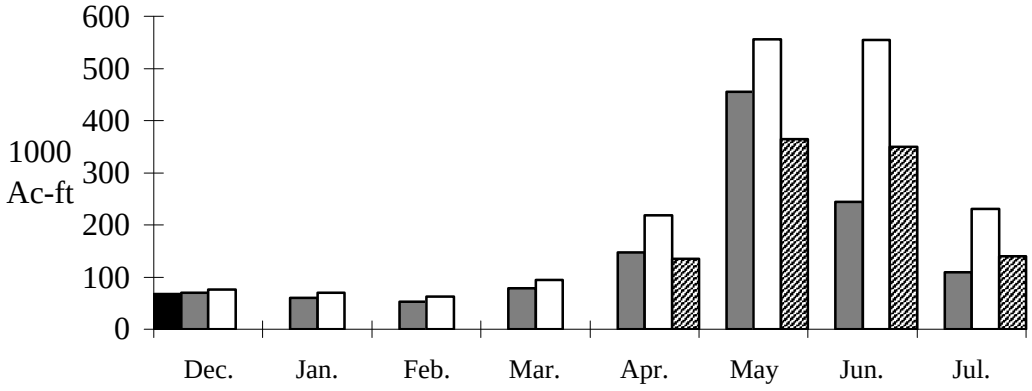
Colorado - Dotsero, nr:



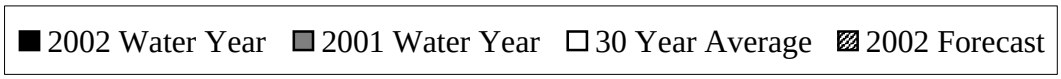
Roaring Fork - Glenwood Springs:



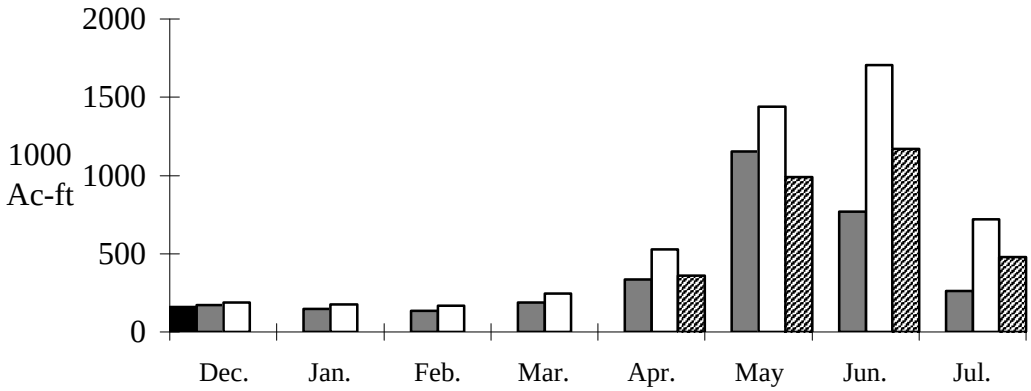
Gunnison - Grand Junction, nr:



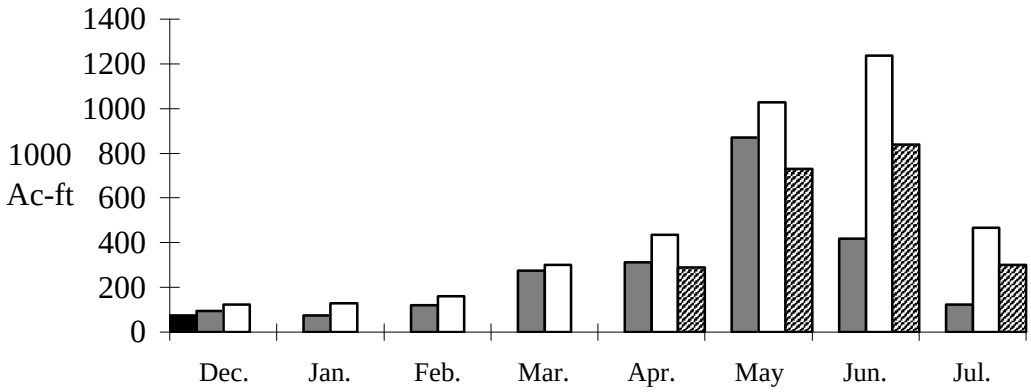
* Data Not Available



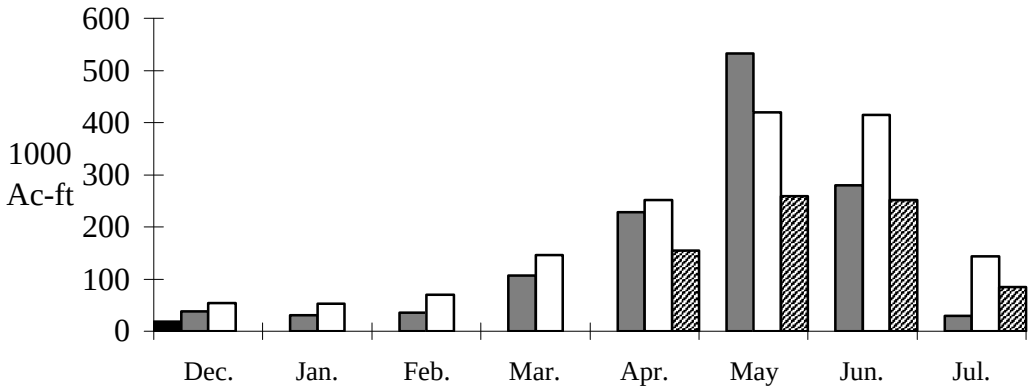
Colorado - Cisco, nr:



Green - Green River, UT:

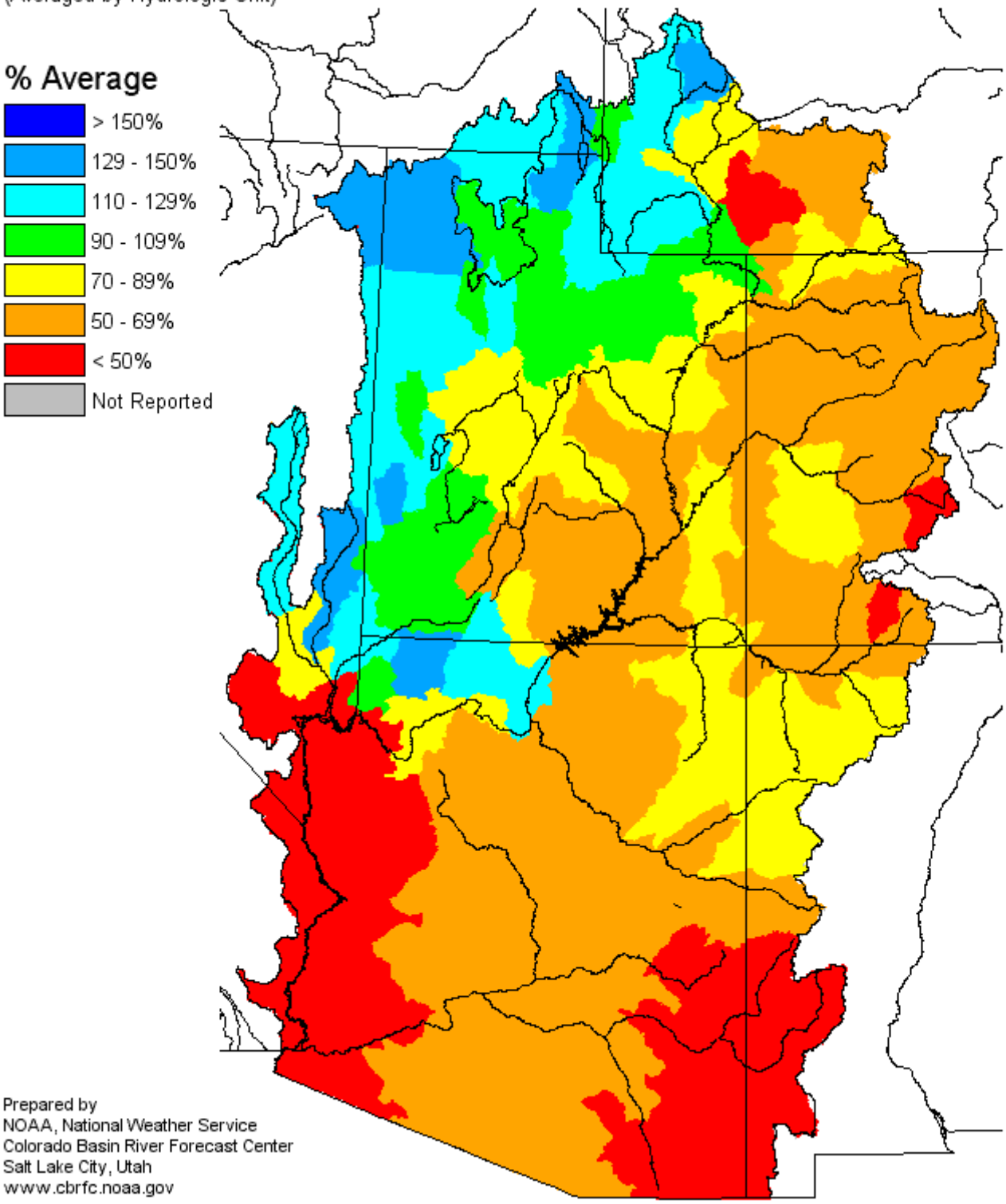


San Juan - Bluff, nr:



Monthly Precipitation for December 2001

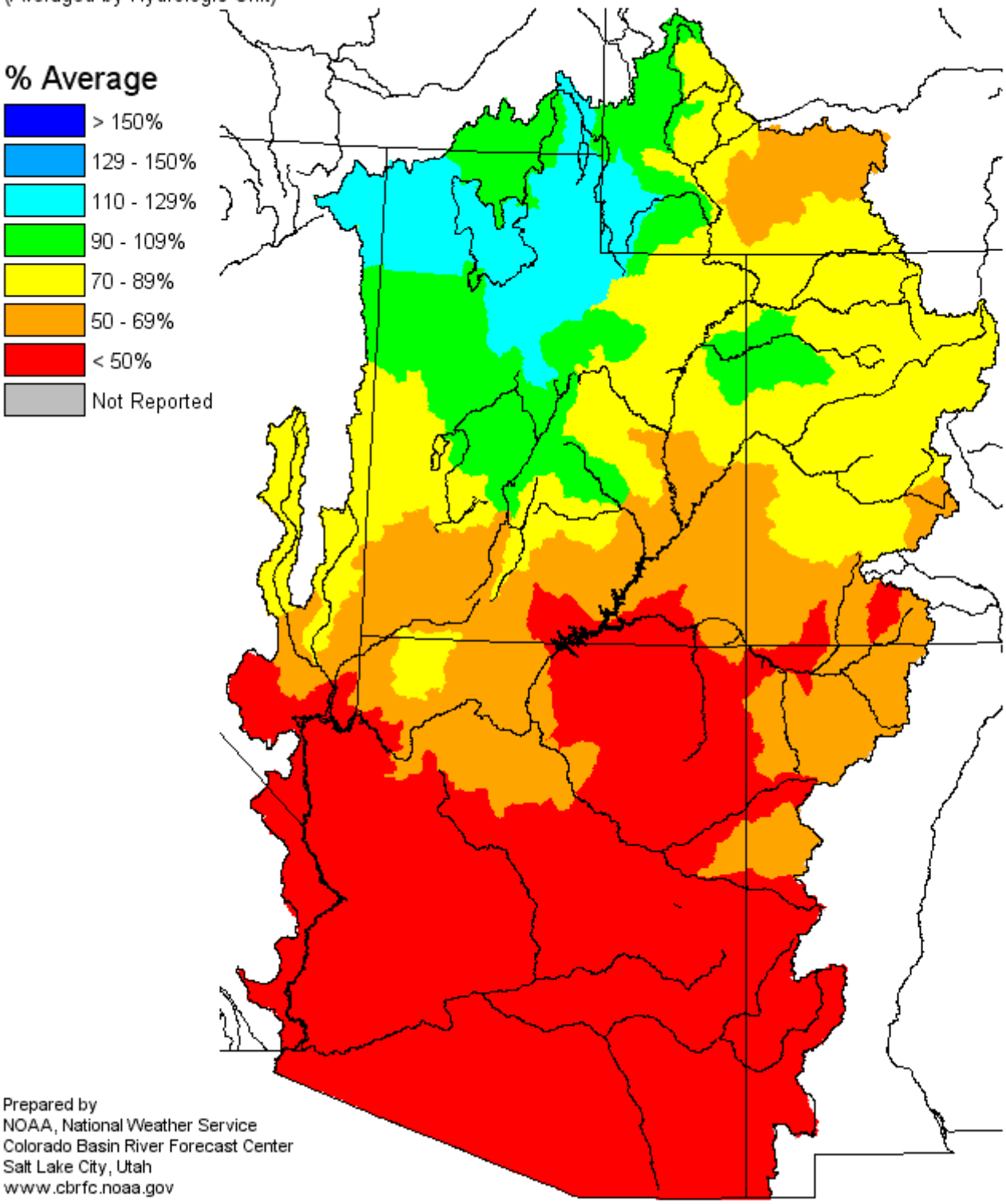
(Averaged by Hydrologic Unit)



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

Seasonal Precipitation, October 2001 - December 2001

(Averaged by Hydrologic Unit)



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	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