



WATER SUPPLY OUTLOOK

for the LOWER COLORADO COLORADO BASIN RIVER FORECAST CENTER

NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT

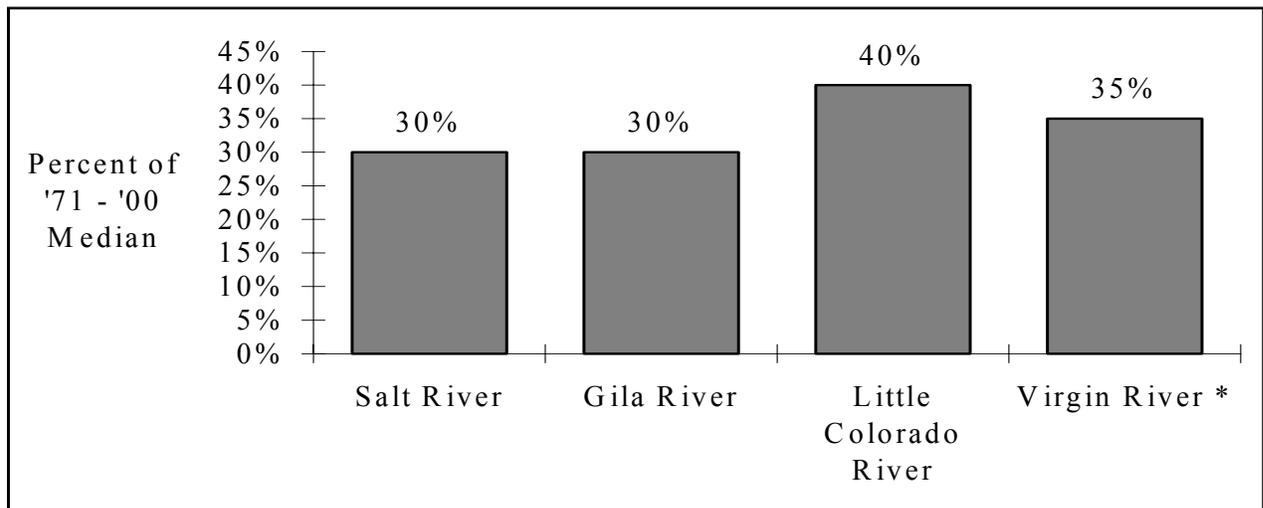


FEBRUARY 1, 2002

SUMMARY

The forecast runoff volumes for February through May are much below median in the Salt, Gila, and Little Colorado River Basins. The forecast volumes for April through July are much below average in the Virgin River Basin. In general, snow pack is much below median/average throughout Arizona, western New Mexico and southwestern Utah.

FEBRUARY - MAY VOLUME FORECASTS



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* Virgin River Basin forecasts are for the April through July period and expressed in percent of average.

SALT RIVER

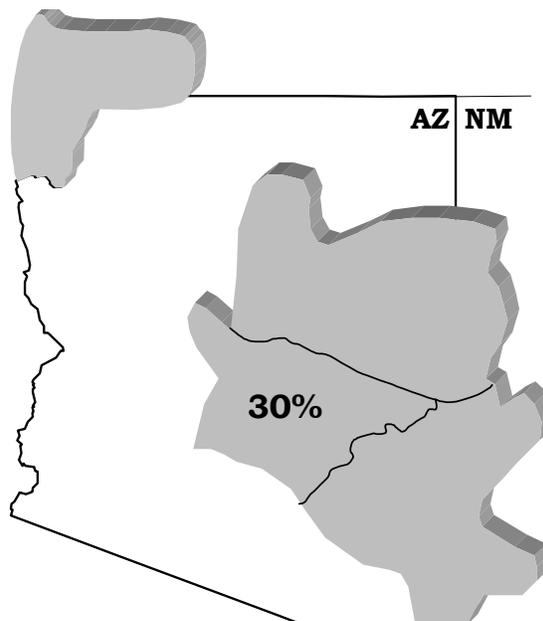
The 2002 Water Year in the Salt and Verde watersheds has continued to be dry. The snow pack within the Salt River watershed has dropped from 90% to 55% since January 1st and new snow is not in the immediate forecast. The forecast streamflows all remain much below median.

February-May streamflow forecasts for the Salt River are as follows:

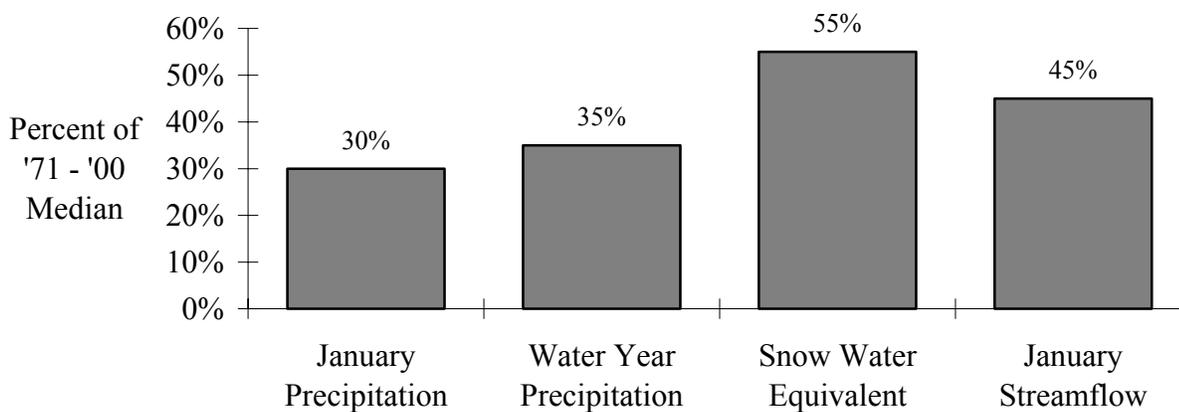
Verde River:
Much Below Median

Tonto Creek:
Much Below Median

Salt River:
Much Below Median



BASIN CONDITIONS - FEBRUARY 1, 2002



Specific site forecasts are listed on page 6.

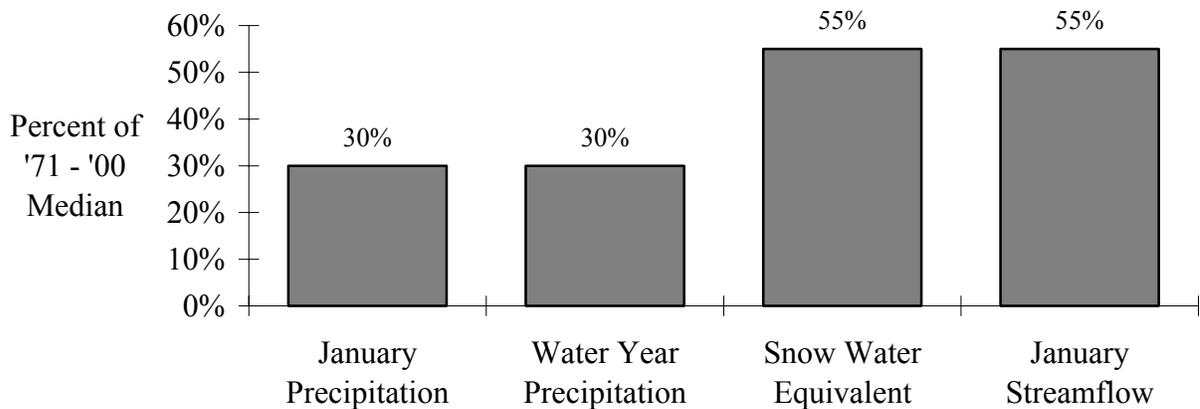
GILA RIVER

The 2002 Water Year in the Gila watershed has continued to be dry. The forecast streamflows all remain much below median.

February-May streamflow forecasts for the Gila River are as follows:



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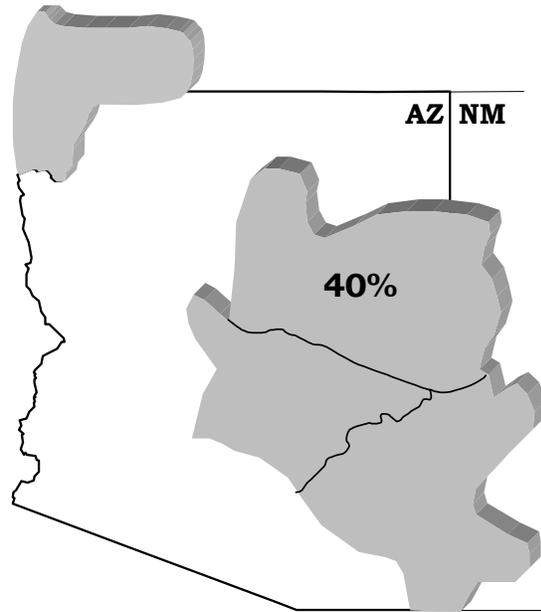
Specific site forecasts are listed on page 6.

LITTLE COLORADO RIVER

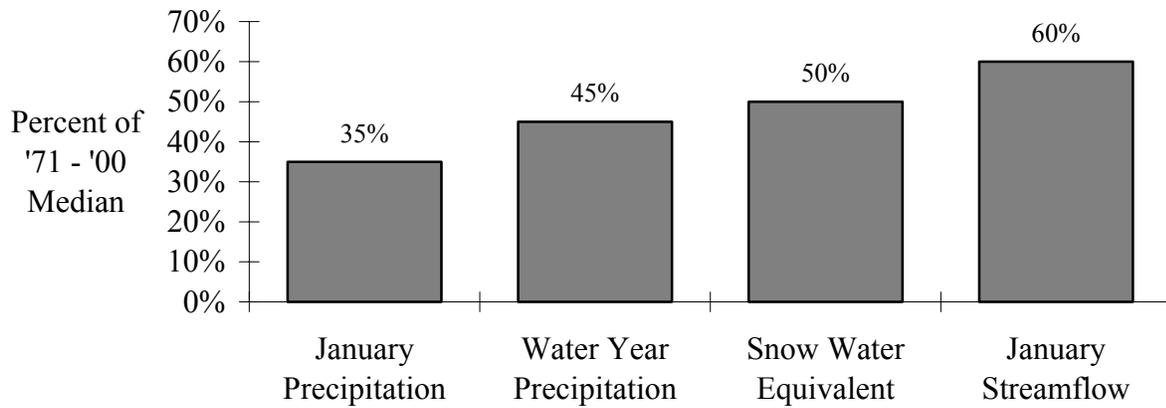
The snow pack within the Little Colorado watershed has dropped from 100% to 50% since January 1st. Forecast runoff now ranges from 29% to 57% of median.

February-May streamflow forecasts for the Little Colorado River are as follows:

Little Colorado River:
Much Below Median



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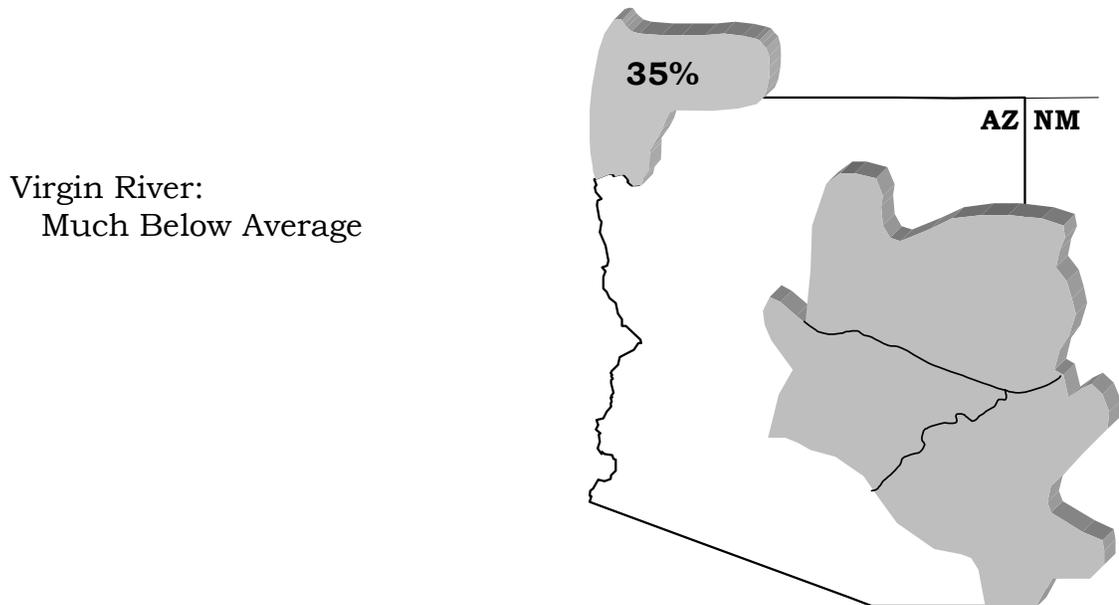


Specific site forecasts are listed on page 6.

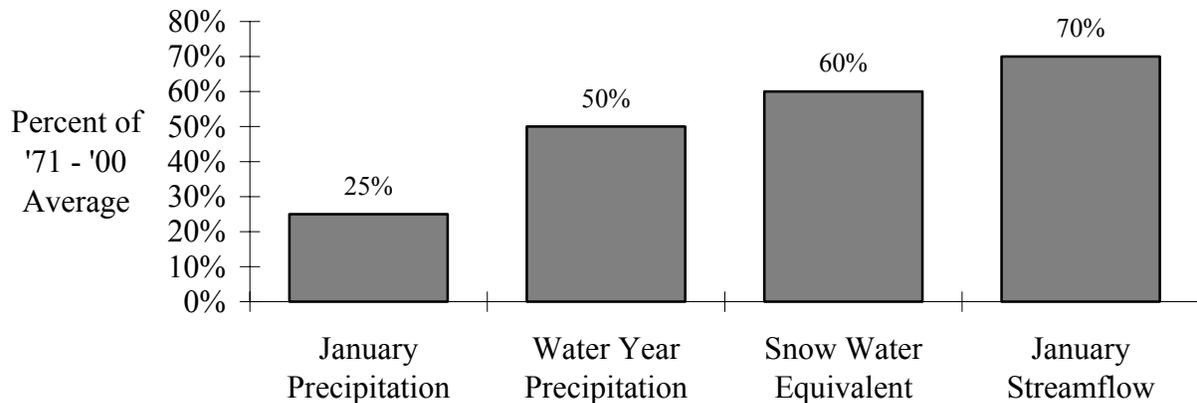
VIRGIN RIVER

Within the Virgin River watershed, snow pack is much below average and new snow is not in the immediate forecast. Therefore, streamflow forecasts for April-July remain much below average.

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



BASIN CONDITIONS - FEBRUARY 1, 2002



Specific site forecasts are listed on page 6.

SPECIFIC SITE FORECASTS—WATER YEAR 2002

February through May volume (kaf) forecasts (except where noted).

Stream	Station	Most Probable	Percent Med.	Reas. Max	Reas. Min
LITTLE COLORADO	◆ LYMAN LK, ABV, ST. JOHNS, NR	3	42	9	1.2
	WOODRUFF	1.5	54	2.8	0.3
RIO NUTRIA	RAMAH, NR	1.6	54	7.7	0.4
ZUNI	BLACK ROCK RES, ABV	0.8	57	1.6	0.3
CEBOLLA CK	RAMAH RES	0.9	54	5.3	0.2
EAST CLEAR CK	BLUE RIDGE RES, PINE, NR	5.7	35	14.6	2.5
CLEAR CK	WINSLOW, NR	12.6	37	44	3.4
CHEVELON CK	WINSLOW, NR, WILDCAT CYN, BLO	1.5	37	5.2	0.4
WALNUT CK	LAKE MARY	1.4	29	3.8	0.3
SANTA CLARA	✕ PINE VALLEY, NR	1.8	33	5.2	0.7
VIRGIN	✕ VIRGIN	26	41	48	18.5
	✕ HURRICANE, NR	26	38	49	18.1
	✕ LITTLEFIELD	16.1	22	38	8.1
GILA	GILA, NR	21	40	38	9.9
	VIRDEN, NR, BLUE CK, BLO	23	31	77	7.3
	SOLOMON, NR, HEAD OF SAFFORD V	41	28	178	16
	SAN CARLOS RES, COOLIDGE DAM,	23	21	126	8
SAN FRANCISCO	GLENWOOD, NR	7.3	30	14.5	3
	CLIFTON	22	37	78	8.3
SAN PEDRO	CHARLESTON	2.6	90	5.6	1.6
SALT	ROOSEVELT, NR	125	35	290	50
TONTO CK	ROOSEVELT, NR, GUN CK, ABV	10	20	58	2.5
VERDE	HORSESHOE DAM, ABV, TANGLE CK,	60	30	145	24
COLORADO	✕ LAKE POWELL, GLEN CYN DAM, AT	4700	59		

◆ = February-June forecast period.

✕ = April-July forecast period.

NA = Not Available.

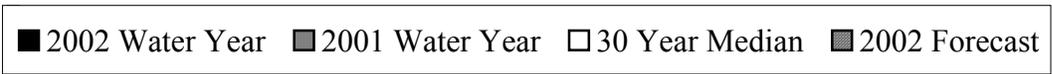
Special Notes:

Lake Powell, Virgin and Santa Clara River forecasts use a 30 year percent of average (1971-2000).

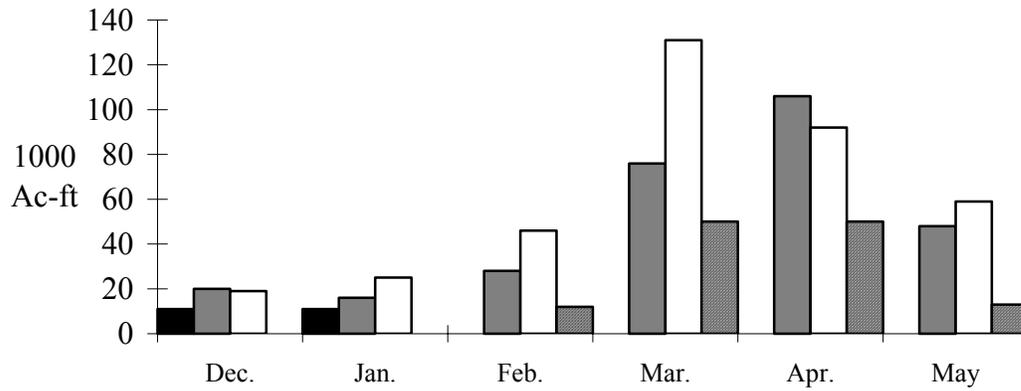
JANUARY 2002 END OF MONTH RESERVOIR CONTENTS

Reservoir contents are not available at this time.

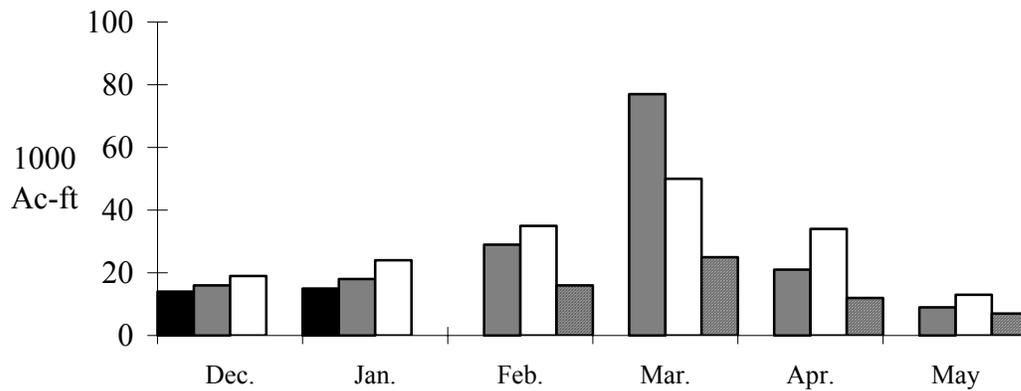
MONTHLY STREAMFLOWS



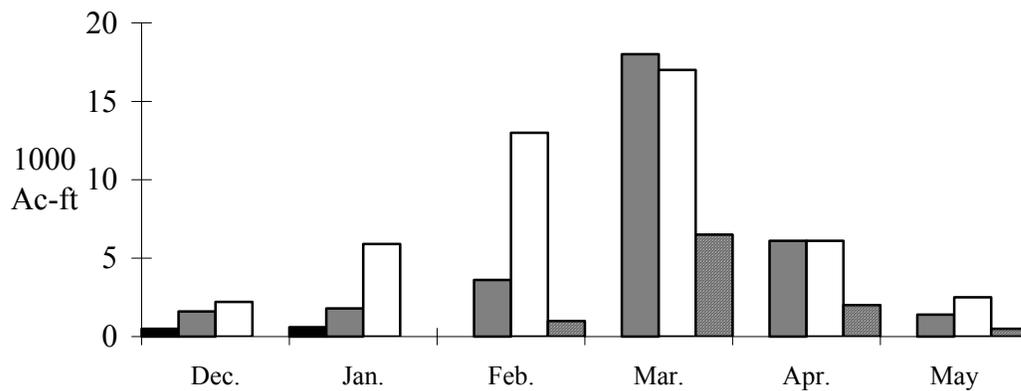
Salt - Roosevelt:

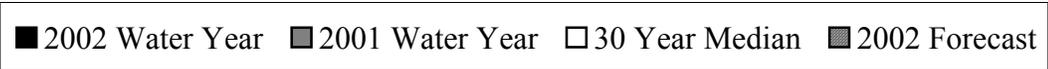


Verde - Horseshoe Dam, abv, Tangle Ck, blo:

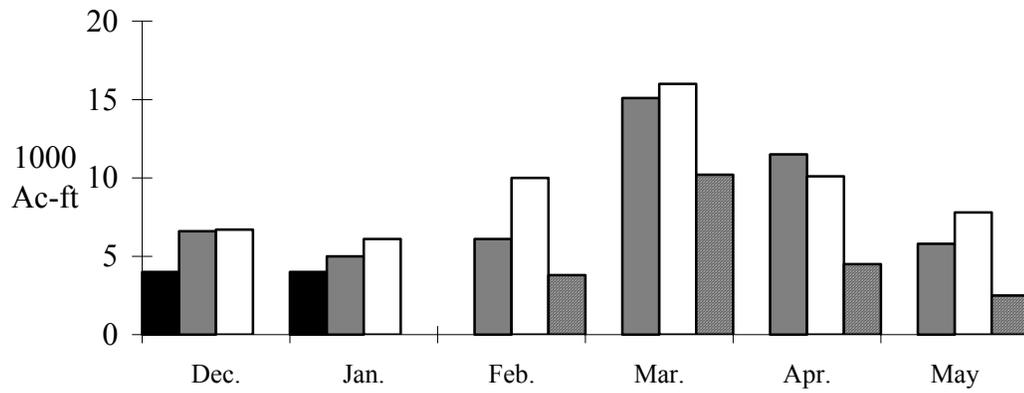


Tonto Ck - Roosevelt, nr, Gun Ck, abv:

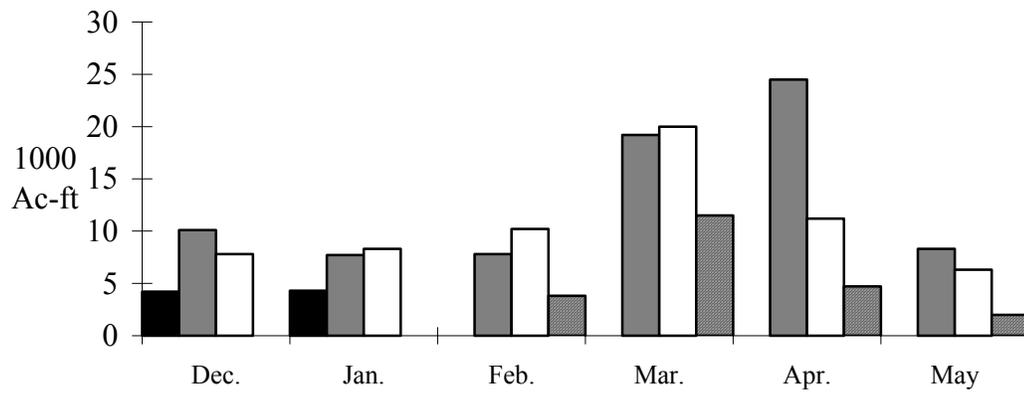




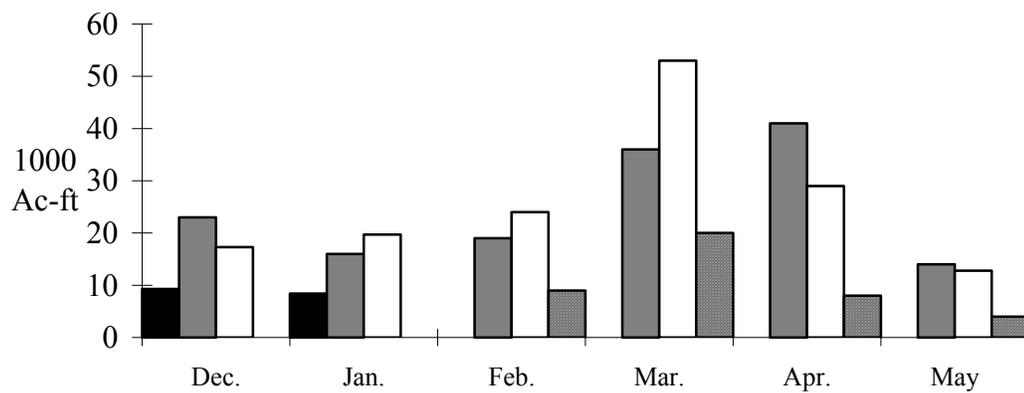
Gila - Gila, nr:



San Francisco - Clifton:



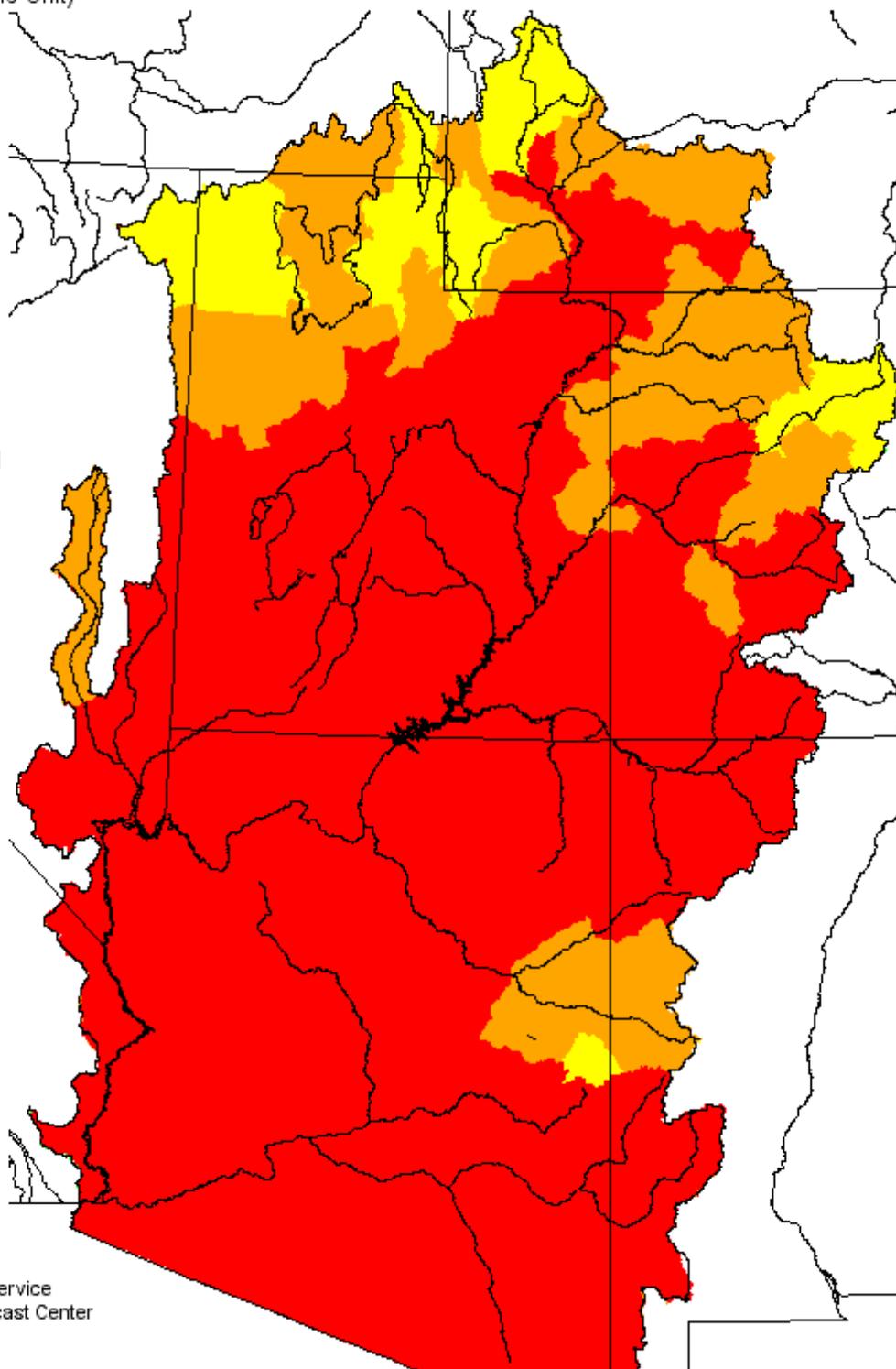
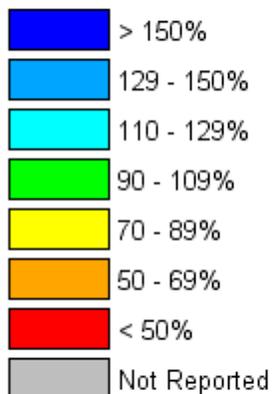
Gila - Solomon:



Monthly Precipitation for January 2002

(Averaged by Hydrologic Unit)

% Average

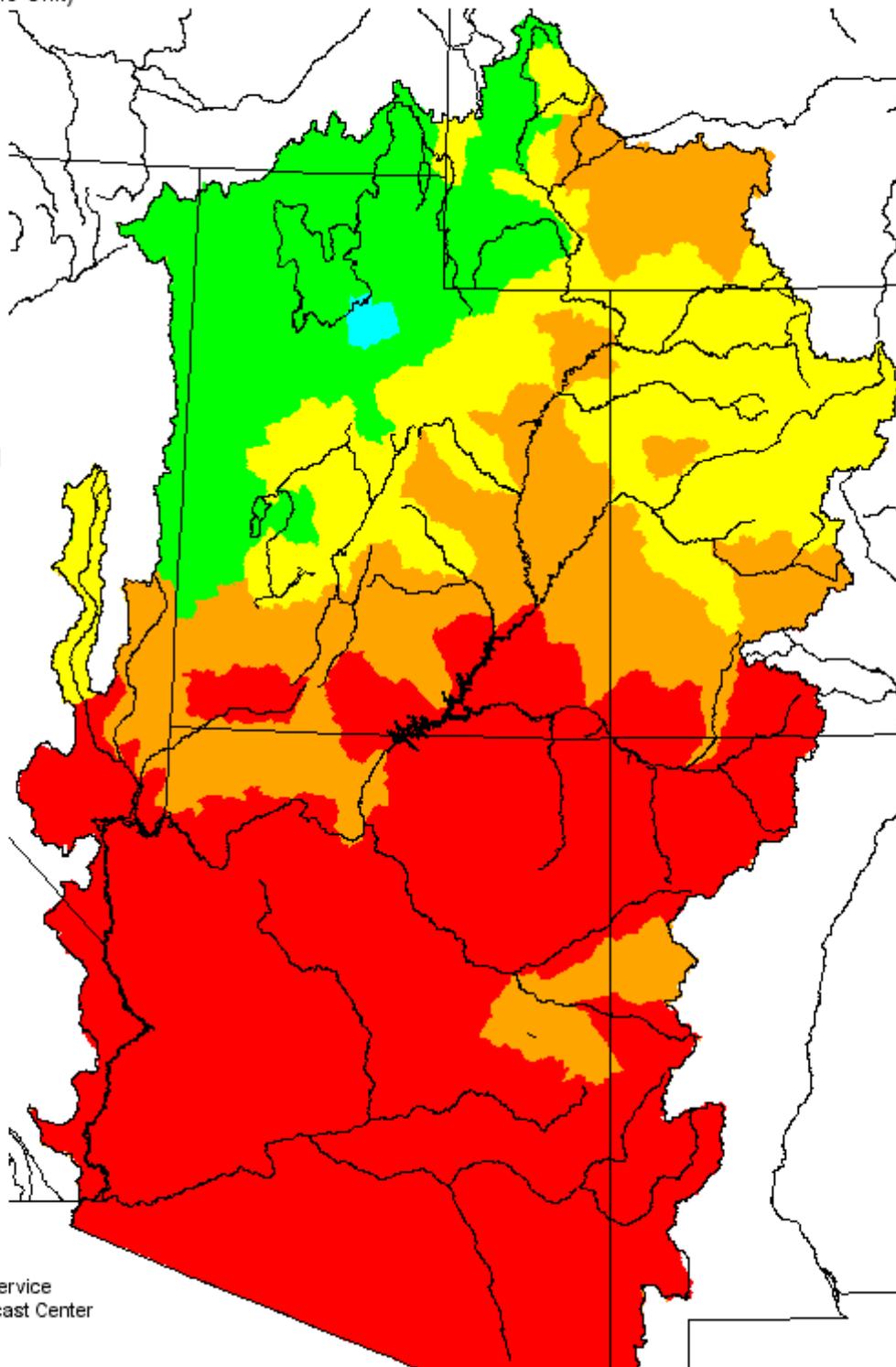
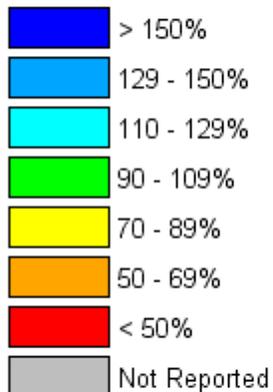


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2001 - January 2002

(Averaged by Hydrologic Unit)

% Average



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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 April 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, Salt River Project, 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 Median	Above Median	Near Median	Below Median	Much below Median
Greater than 130%	111-130%	90-110%	70-89%	Less than 70%

Forecast Period:

Variable. Current month through May 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:

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