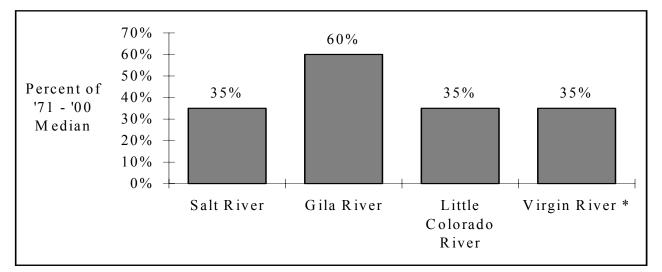


### **S**UMMARY

In the north, forecasted stream flows are much below average in the Virgin River Basin. In Arizona and southwestern New Mexico where dry conditions continue, forecasted stream flows remain much below median.

## **APRIL - MAY VOLUME FORECASTS**



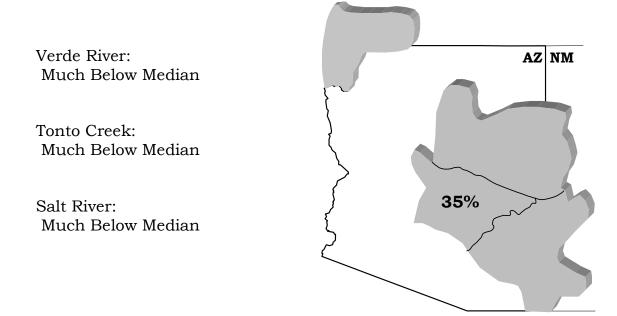
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\* Virgin River Basin forecasts are for the April through July period and expressed in percent of average.

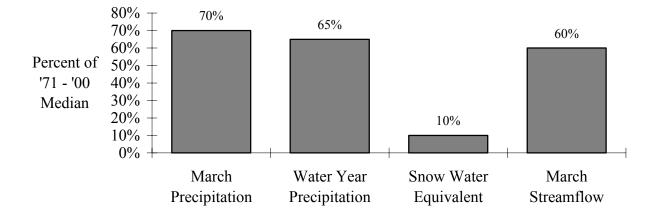
## SALT RIVER

The 2004 Water Year is another dry year in Arizona. Above average temperatures and near average precipitation is expected during April and May. Therefore, forecasted stream flows remain much below median.

April-May stream flow forecasts for the Salt River are as follows:



## BASIN CONDITIONS - APRIL 1, 2004



# **GILA RIVER**

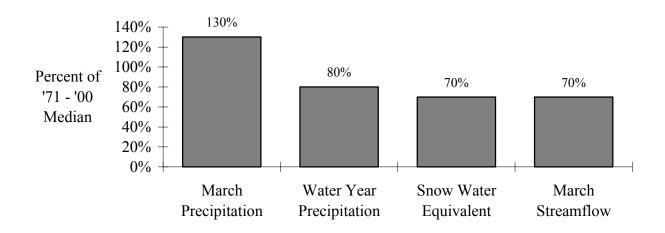
Gila River:

The 2004 Water Year is another dry year in Arizona and western New Mexico. Above average temperatures and near average precipitation is expected during April and May. Therefore, forecasted stream flows remain essentially the same at much below median.

April-May stream flow forecasts for the Gila River are as follows:



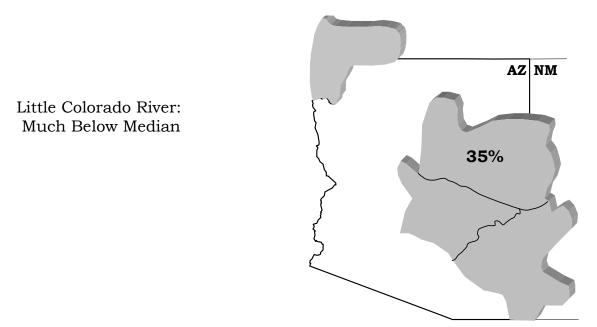
### BASIN CONDITIONS - APRIL 1, 2004



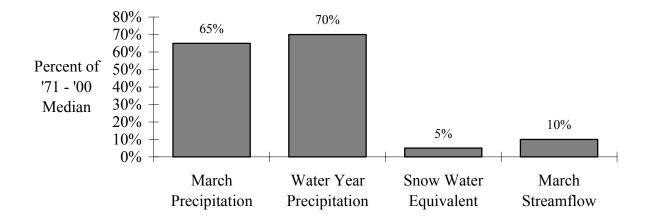
## LITTLE COLORADO RIVER

The 2004 Water Year is another dry year in Arizona. Above average temperatures and near average precipitation is expected during April and May. Therefore, forecasted stream flows remain essentially the same at much below median.

April-May stream flow forecasts for the Little Colorado River are as follows:



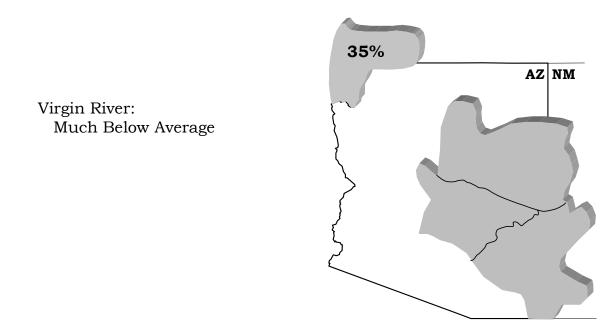
#### BASIN CONDITIONS - APRIL 1, 2004



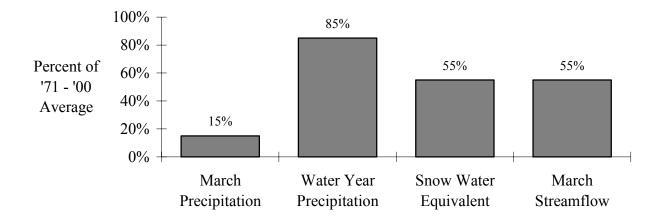
## VIRGIN RIVER

Snow is 55% of average for the Virgin River Basin. This is a drop of 60% from 115% last month. Above average temperatures and near average precipitation is expected during April, May and June. Because of high temperatures a significant percentage (approximately 30%) of the snowmelt runoff occured in March prior to the April-July forecast period.

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



### BASIN CONDITIONS - APRIL 1, 2004



## SPECIFIC SITE FORECASTS-WATER YEAR 2004

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

Stream	Station	Most	Percent	Reas.	Reas.
		Probable	Med.	Max	Min
LITTLE COLORADO	LYMAN LK, ABV, ST. JOHNS, NR	1.5	35	3.9	0.56
	WOODRUFF	0.3	36	0.74	0.08
RIO NUTRIA	RAMAH, NR	0.2	38	0.75	0.05
ZUNI	BLACK ROCK RES, ABV	0.25	39	0.64	0.06
CEBOLLA CK	RAMAH RES	0.11	38	0.29	0.03
EAST CLEAR CK	BLUE RIDGE RES, PINE, NR	1.6	33	3.5	0.74
CLEAR CK	WINSLOW, NR	9	45	17.6	1
CHEVELON CK	WINSLOW, NR, WILDCAT CYN, BLO	0.44	30	1.3	0.07
WALNUT CK	LAKE MARY	0.5	34	1.41	0.15
SANTA CLARA	PINE VALLEY, NR	2.1	38	4	0.82
VIRGIN	× VIRGIN	28	44	46	14.7
	* HURRICANE, NR	23	33	40	5.8
	* LITTLEFIELD	23	31	40	6.3
GILA	GILA, NR	11.5	66	18.4	6.6
	VIRDEN, NR, BLUE CK, BLO	11.5	48	32	2.4
	SOLOMON, NR, HEAD OF SAFFORD V	22	52	62	4.2
	CALVA	7.5	29	26	1.56
	SAN CARLOS RES, COOLIDGE DAM,	14	58	34	1.5
SAN FRANCISCO	GLENWOOD, NR	5	64	10	2.4
	CLIFTON	11	59	25	1.9
SAN PEDRO	CHARLESTON	1.1	94	1.47	0.73
SALT	ROOSEVELT, NR	50	35	81	28
TONTO CK	ROOSEVELT, NR, GUN CK, ABV	2	24	5.1	0.51
VERDE	HORSESHOE DAM, ABV, TANGLE CK,	20	45	35	10
COLORADO	* LAKE POWELL, GLEN CYN DAM, AT	4000	50		

= April-June forecast period. = April-July forecast period. •

 $\overline{X}$ 

Special Notes:

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

## MARCH 2004 End OF MONTH RESERVOIR CONTENTS

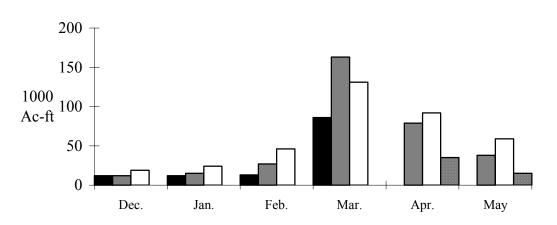
RESERVOIR	Usable	EOM Usable	Percent Usable
(vol. in 1000 ac-ft)	Capacity	Contents	Capacity (%)
Roosevelt	1653.0	571.0	35%
Horse Mesa	245.0	236.0	96%
Mormon Flat	58.0	54.0	93%
Stewart Mountain	70.0	68.0	97%
Horseshoe	109.2	40.0	37%
Bartlett	178.0	98.0	55%
Total SRP Reservoirs	2313.2	1067.0	46%
San Carlos	867.0	30.0	3%
Waddell	1145.0	738.0	64%
Painted Rock	2476.0	0.0	0%
Alamo	1045.0	53.0	5%
Lyman	31.0	4.0	13%
Lake Powell	24322.0	10179.0	42%
Mead	27380.0	15323.0	56%
Mohave	1810.0	1699.0	94%
Havasu	619.0	551.0	89%

NA = Not Available.

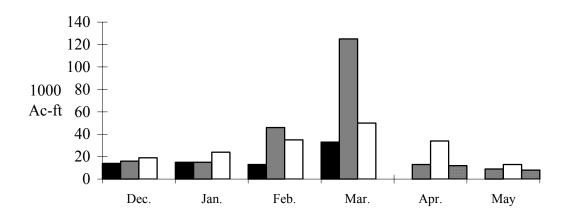
#### MONTHLY STREAMFLOWS

■ 2004 Water Year ■ 2003 Water Year □ 30 Year Median ■ 2004 Forecast

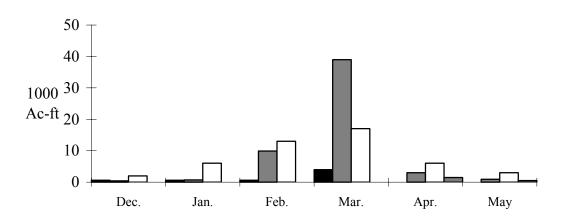
#### Salt - Roosevelt:



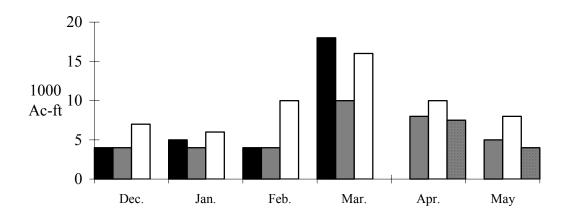
Verde - Horseshoe Dam, abv, Tangle Ck, blo:



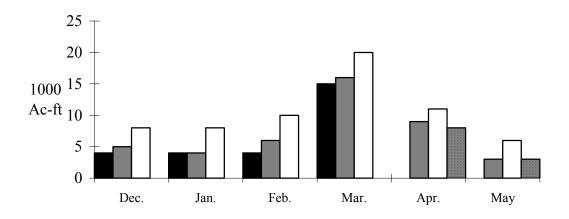
Tonto Ck - Roosevelt, nr, Gun Ck, abv:



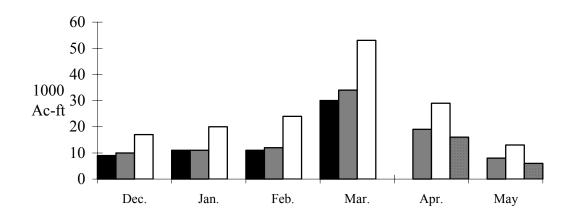
#### Gila - Gila, nr:

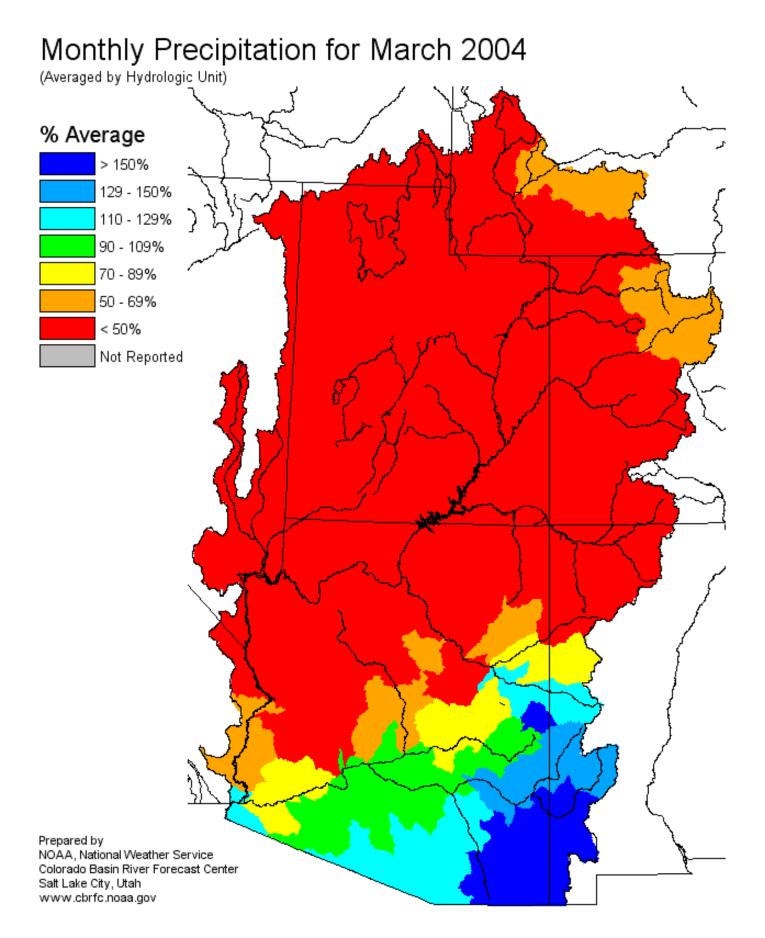


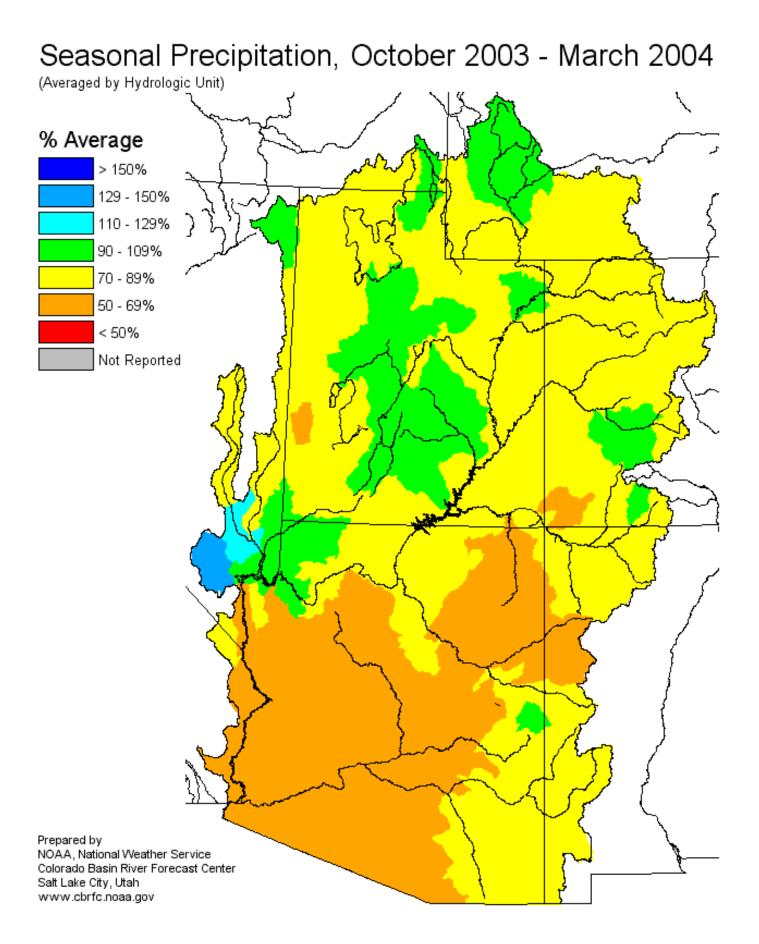












#### Additional Information

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 MedianAbove MedianNear MedianBelow MedianMuch below MedianGreater 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: Colorado Basin River Forecast Center, National Weather Service

2242 W. North Temple · Salt Lake City, UT 84116 · (801) 524-5130 · http://www.cbrfc.gov