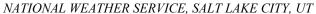


WATER SUPPLY OUTLOOK

for the

LOWER COLORADO

COLORADO BASIN RIVER FORECAST CENTER



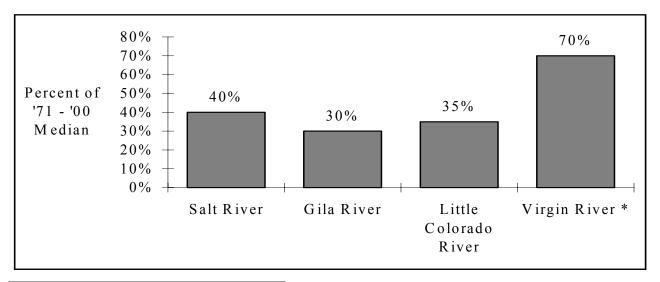


MARCH 1, 2004

SUMMARY

In the north, forecasted stream flows are below average in the headwaters of the Virgin to much below average at Littlefield. In Arizona where dry conditions continue, forecasted stream flows remain much below median.

MARCH - MAY VOLUME FORECASTS



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Virgin River	5
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EOM Reservoir Contents	7
Monthly Streamflows	8,9
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* Virgin River Basin forecasts are for the April through July period and expressed in percent of average.

SALT RIVER

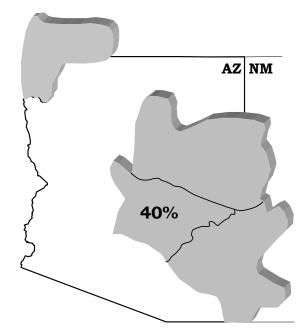
The 2004 Water Year is another dry year in Arizona. Above average temperatures and below average precipitation is expected to continue during March and April. Therefore, forecasted stream flows remain much below median.

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

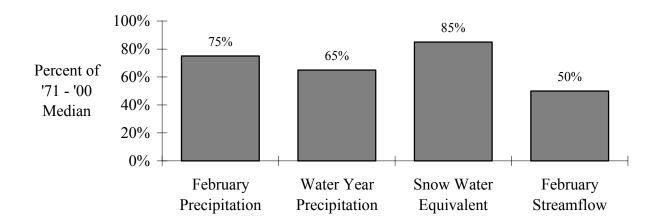
Verde River: Much Below Median

Tonto Creek: Much Below Median

Salt River: Much Below Median



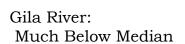
Basin Conditions - March 1, 2004

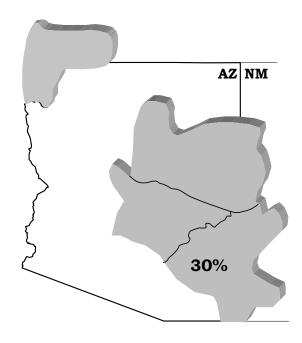


GILA RIVER

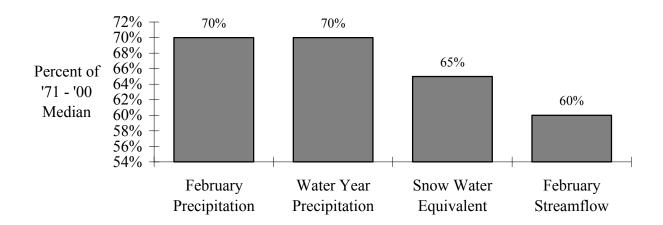
The 2004 Water Year is another dry year in Arizona and western New Mexico. Above average temperatures and below average precipitation is expected during March and April. Therefore, forecasted stream flows remain essentially the same at much below median.

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





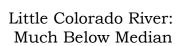
Basin Conditions - March 1, 2004

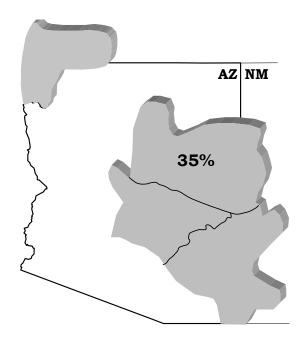


LITTLE COLORADO RIVER

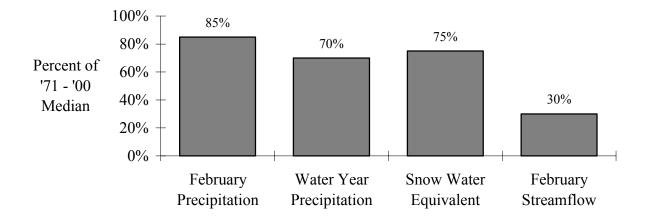
The 2004 Water Year is another dry year in Arizona. Above average temperatures and below average precipitation is expected during March and April. Therefore, forecasted stream flows remain essentially the same at much below median.

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





Basin Conditions - March 1, 2004

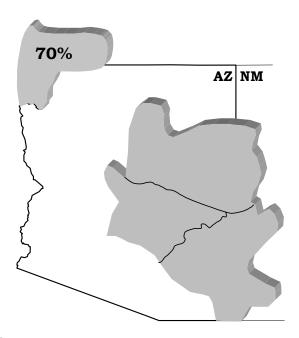


VIRGIN RIVER

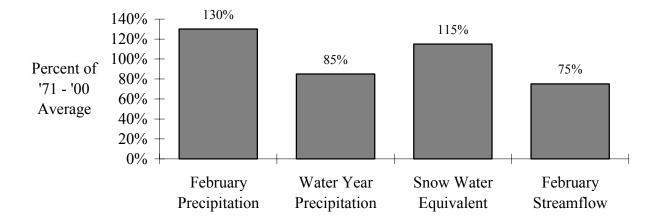
Snow coverage is 115% of average for the upper Virgin River Basin. Above average temperatures and below average precipitation is expected during March and April. Therefore, a significant percentage (approximately 30%) of snowmelt runoff is expected to occur in March prior to the April-July forecast period.

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

Virgin River: Below Average



Basin Conditions - March 1, 2004



Specific Site Forecasts—Water Year 2004

March 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	2.2	35	6.3	0.42
		WOODRUFF	0.77	35	1.98	0.11
RIONUTRIA		RAMAH, NR	1.1	41	2.7	0.19
ZUNI		BLACK ROCK RES, ABV	0.43	48	1.03	0.12
CEBOLLA CK		RAMAH RES	0.6	40	1.79	0.04
EAST CLEAR CK		BLUE RIDGE RES, PINE, NR	5.2	41	10.9	1.6
CLEAR CK		WINSLOW, NR	11.5	37	25	0.25
CHEVELON CK		WINSLOW, NR, WILDCAT CYN, BLO	1.21	30	3.6	0.04
WALNUT CK		LAKE MARY	1.52	37	4.1	0.35
SANTA CLARA	X	PINE VALLEY, NR	4.1	75	8	1.49
VIRGIN	X	VIRGIN	48	75	88	20
	×	HURRICANE, NR	48	70	77	19
	×	LITTLEFIELD	46	62	74	18
GILA		GILA, NR	15.3	45	30	6.5
		VIRDEN, NR, BLUE CK, BLO	14.5	31	48	2.8
		SOLOMON, NR, HEAD OF SAFFORD V	25	24	117	10
		CALVA	8.5	13	63	0.63
		SAN CARLOS RES, COOLIDGE DAM,	10	16	71	1.9
SAN FRANCISCO		GLENWOOD, NR	6.5	40	16.8	1.6
		CLIFTON	15.5	37	45	7.1
SAN PEDRO		CHARLESTON	2.2	110	4.4	1.1
SALT		ROOSEVELT, NR	105	39	220	39
TONTO CK		ROOSEVELT, NR, GUN CK, ABV	6	23	28	1.82
VERDE		HORSESHOE DAM, ABV, TANGLE CK,	65	45	154	30
COLORADO	7	LAKE POWELL, GLEN CYN DAM, AT	6500	82		

Special Notes:

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

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

FEBRUARY 2004 END OF MONTH RESERVOIR CONTENTS

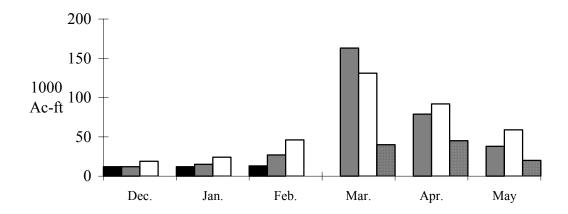
RESERVOIR	Usable	EOM Usable	Percent Usable
(vol. in 1000 ac-ft)	Capacity	Contents	Capacity (%)
Roosevelt	1653.0	449.0	27%
Horse Mesa	245.0	235.0	96%
Mormon Flat	58.0	54.0	93%
Stewart Mountain	70.0	66.0	94%
Horseshoe	109.2	25.0	23%
Bartlett	178.0	52.0	29%
Total SRP Reservoirs	2313.2	881.0	38%
San Carlos	867.0	27.0	3%
Waddell	1145.0	706.0	62%
Painted Rock	2476.0	0.0	0%
Alamo	1045.0	54.0	5%
Lyman	31.0	2.0	6%
Lake Powell	24322.0	10537.0	43%
Mead	27380.0	15404.0	56%
Mohave	1810.0	1715.0	95%
Havasu	619.0	557.0	90%

NA = Not Available.

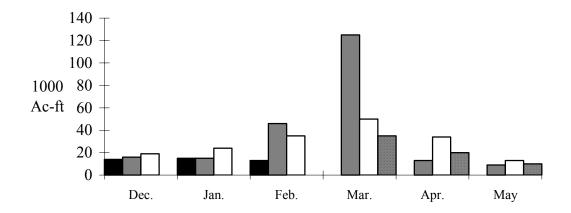
Monthly Streamflows

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

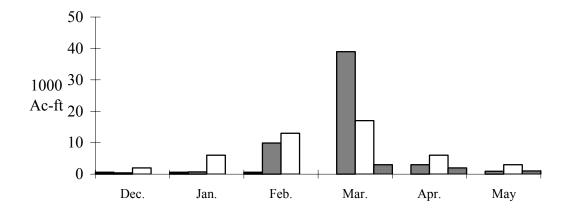
Salt - Roosevelt:

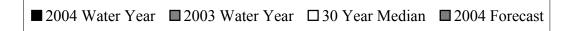


Verde - Horseshoe Dam, abv, Tangle Ck, blo:

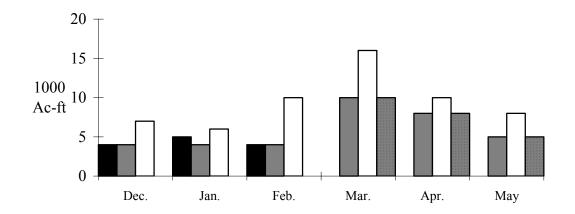


Tonto Ck - Roosevelt, nr, Gun Ck, abv:

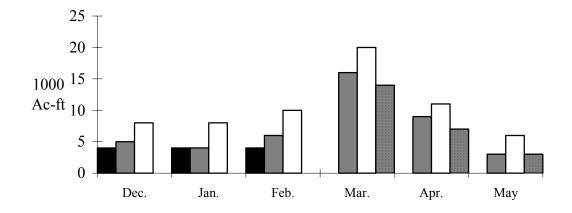




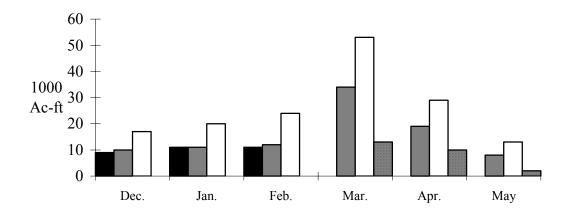
Gila - Gila, nr:



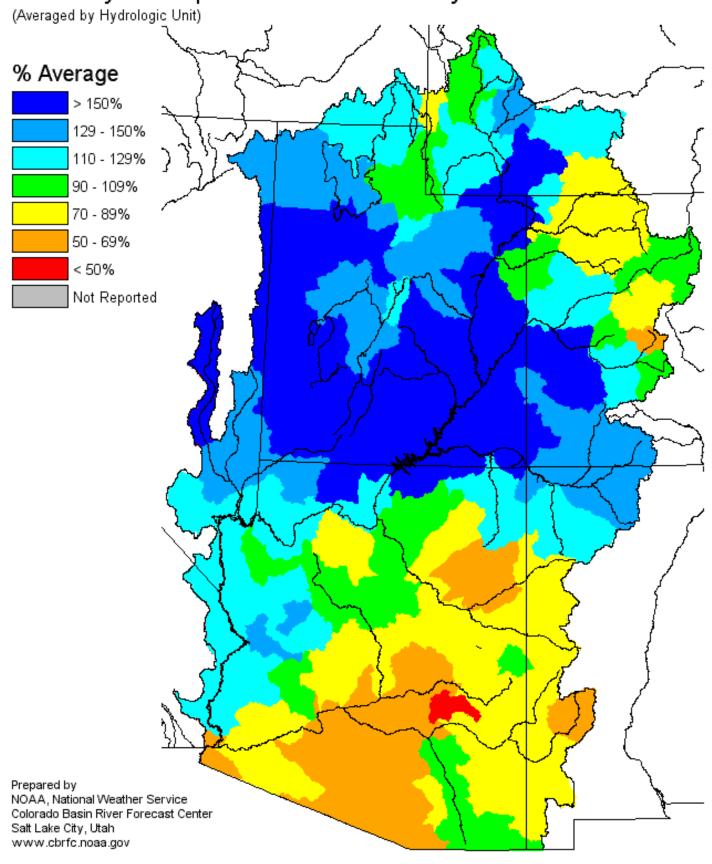
San Francisco - Clifton:



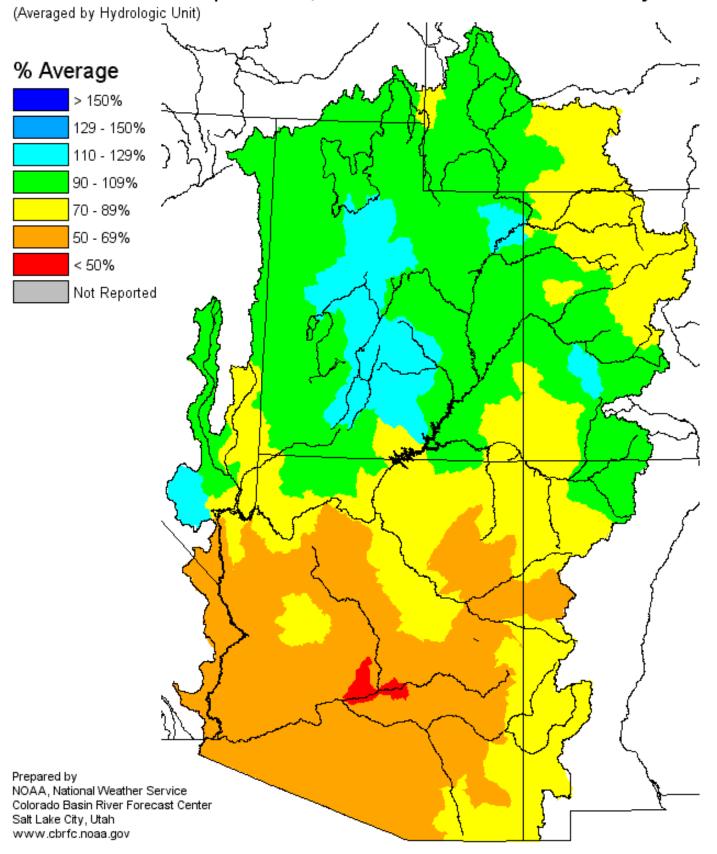
Gila - Solomon:



Monthly Precipitation for February 2004



Seasonal Precipitation, October 2003 - February 2004



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: Colorado Basin River Forecast Center, National Weather Service

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