

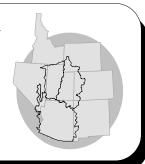
WATER SUPPLY OUTLOOK

for the

LOWER COLORADO

COLORADO BASIN RIVER FORECAST CENTER



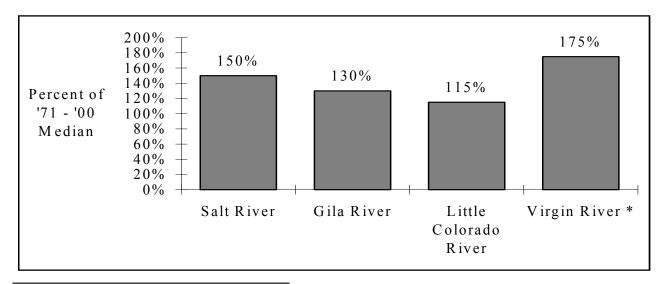


JANUARY 1, 2005

SUMMARY

The 2005 Lower Colorado Water Supply Outlook is wet for the first time in several years with almost all points forecasted much above, above, or near median (much above average for the Virgin River Basin). With the exception of the Little Colorado River Basin (where January 1st snow conditions were below median), the snow conditions are good; and in the Virgin River Basin, very good.

JANUARY - 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

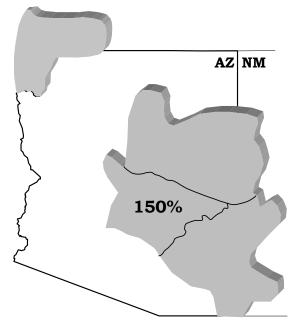
The 2005 Water Year is not another dry year in Arizona. Above normal temperatures and above normal precipitation is expected during January, February, and March. Therefore, forecasted stream flows are much above median (Verde and Tonto) or near median (Salt).

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

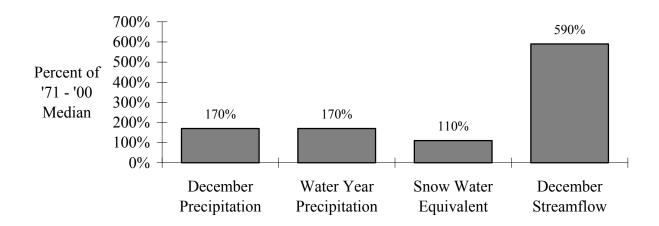
Verde River: Much Above Median

Tonto Creek: Much Above Median

Salt River: Near Median



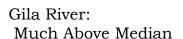
Basin Conditions - January 1, 2005

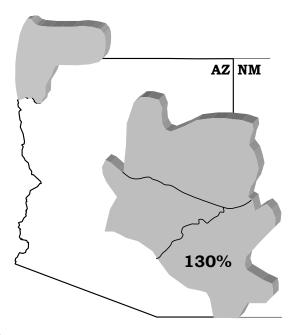


GILA RIVER

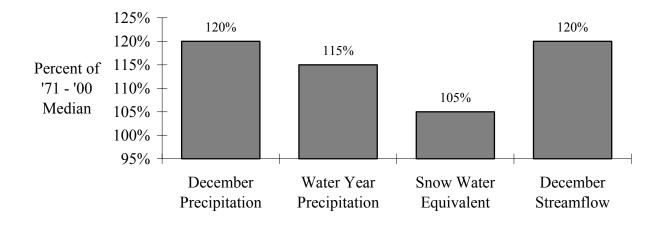
The 2005 Water Year is beginning with a wet December in most of Arizona and Southwest New Mexico. Above normal temperatures and above normal precipitation is expected during January, February, and March. Therefore, forecasted stream flows are much above median.

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





Basin Conditions - January 1, 2005

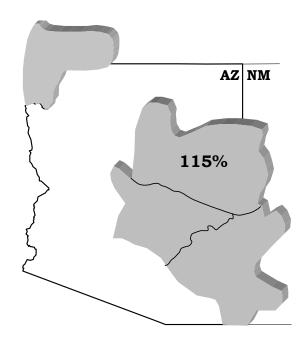


LITTLE COLORADO RIVER

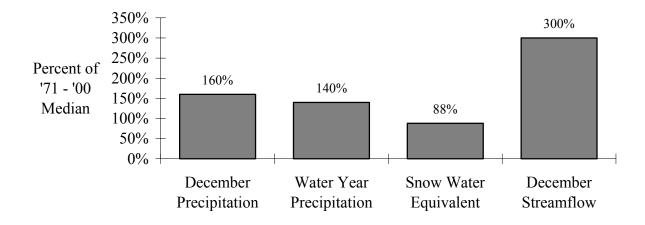
The 2005 Water Year is wet in Arizona. Above normal temperatures and above normal precipitation is expected during January, February, and March. Forecasted stream flows at this time range from 74% to 140% of median.

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





Basin Conditions - January 1, 2005

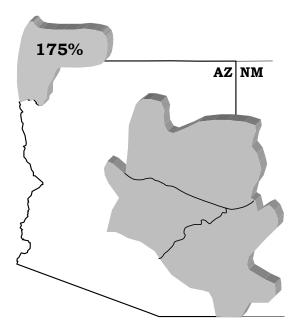


VIRGIN RIVER

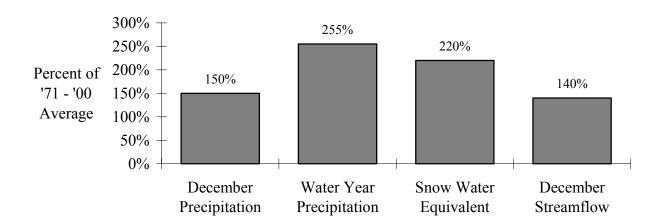
Snow is 220% of average for the Virgin River Basin on January 1st. Above normal temperatures and above normal precipitation is expected during January, February and March. Because of the forecasted high temperatures a significant percentage (approximately 30%) of the snowmelt runoff may occur in March prior to the April-July forecast period.

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

Virgin River: Much Above Average



Basin Conditions - January 1, 2005



Specific Site Forecasts—Water Year 2005

January 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	7.5	101	17.2	2.4
	WOODRUFF	3.3	92	8.7	1
RIONUTRIA	RAMAH, NR	2.3	74	8.7	1
ZUNI	BLACK ROCK RES, ABV	1.1	74	2.1	0.5
CEBOLLA CK	RAMAH RES	1.27	74	3.8	0.6
EAST CLEAR CK	BLUE RIDGE RES, PINE, NR	18.1	106	34	7
CLEAR CK	WINSLOW, NR	38	112	96	22
CHEVELON CK	WINSLOW, NR, WILDCAT CYN, BLO	5.6	140	34	2.3
WALNUT CK	LAKE MARY	5.6	112	9.5	2
SANTA CLARA ×	PINE VALLEY, NR	10	182	16.6	3.4
VIRGIN	VIRGIN	110	172	162	58
×	HURRICANE, NR	121	175	199	43
×	LITTLEFIELD	130	176	215	43
GILA	GILA, NR	81	135	129	47
	VIRDEN, NR, BLUE CK, BLO	105	127	166	46
	SOLOMON, NR, HEAD OF SAFFORD V	210	127	360	127
	SAN CARLOS RES, COOLIDGE DAM,	160	167	265	55
SAN FRANCISCO	GLENWOOD, NR	37	137	56	23
	CLIFTON	87	124	147	26
SAN PEDRO	CHARLESTON	3.9	100	7.2	2
SALT	ROOSEVELT, NR	400	104	770	173
TONTO CK	ROOSEVELT, NR, GUN CK, ABV	90	161	225	24
VERDE	BLO TANGLE CK, ABV HORSESHOE	425	193	790	194
COLORADO	LAKE POWELL, GLEN CYN DAM, AT	7800	98		

January-June forecast period.April-July forecast period.

Special Notes:

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

DECEMBER 2004 END OF MONTH RESERVOIR CONTENTS

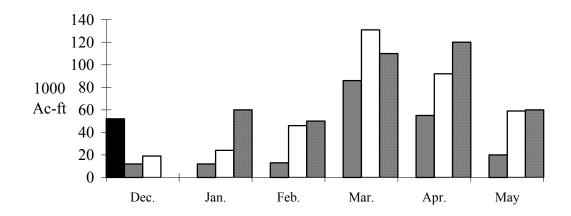
RESERVOIR	Usable	EOM Usable	Percent Usable
(vol. in 1000 ac-ft)	Capacity	Contents	Capacity (%)
Roosevelt	1653.0	646.0	39%
Horse Mesa	245.0	229.0	93%
Mormon Flat	58.0	57.0	98%
Stewart Mountain	70.0	66.0	94%
Horseshoe	109.2	69.0	63%
Bartlett	178.0	136.0	76%
Total SRP Reservoirs	2313.2	1203.0	52%
San Carlos	867.0	27.0	3%
Waddell	1145.0	556.0	49%
Painted Rock	2476.0	0.0	0%
Alamo	1045.0	161.0	15%
Lyman	31.0	3.0	10%
Lake Powell	24322.0	8665.0	36%
Mead	27380.0	14360.0	52%
Mohave	1810.0	1589.0	88%
Havasu	619.0	565.0	91%

NA = Not Available.

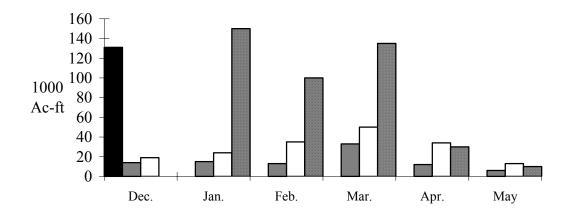
Monthly Streamflows

■ 2005 Water Year ■ 2004 Water Year □ 30 Year Median ■ 2005 Forecast

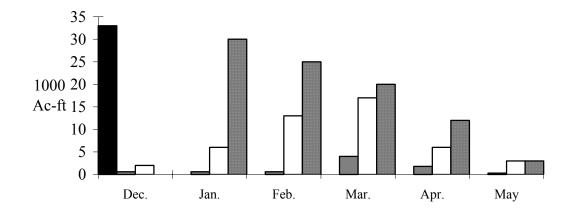
Salt - Roosevelt:

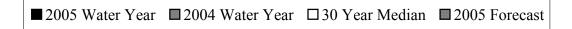


Verde - Horseshoe Dam, abv, Tangle Ck, blo:

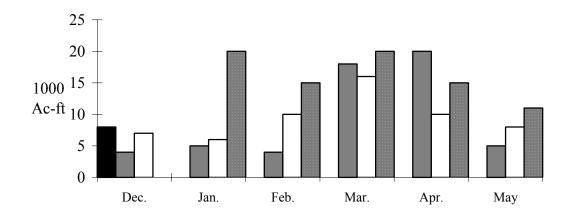


Tonto Ck - Roosevelt, nr, Gun Ck, abv:

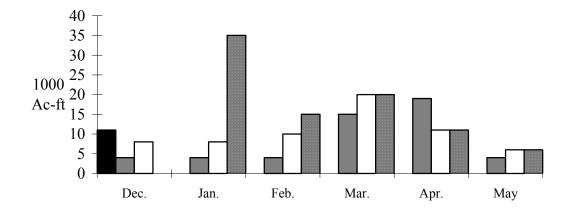




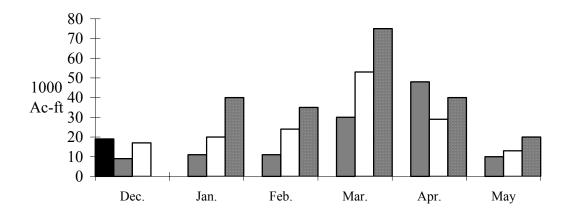
Gila - Gila, nr:



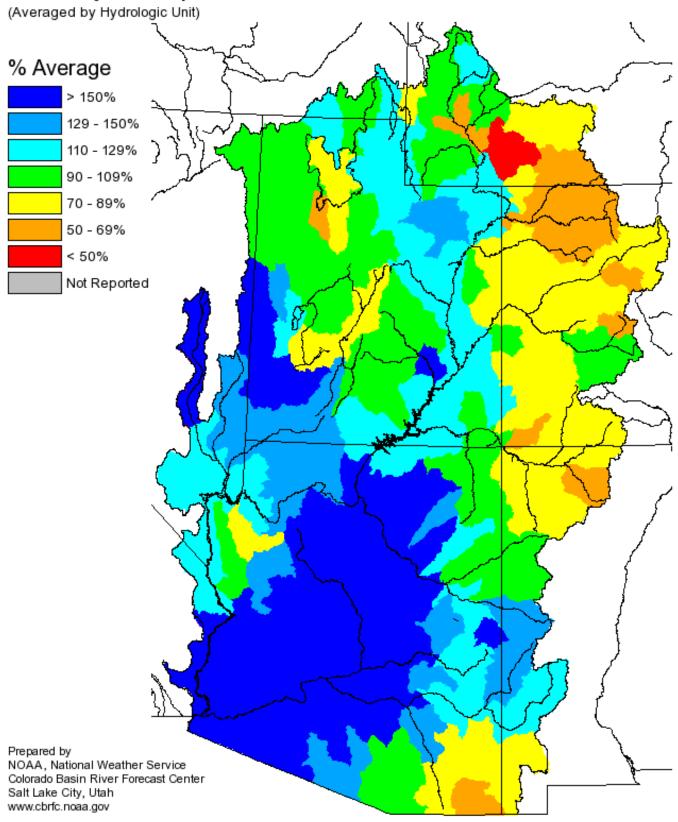
San Francisco - Clifton:



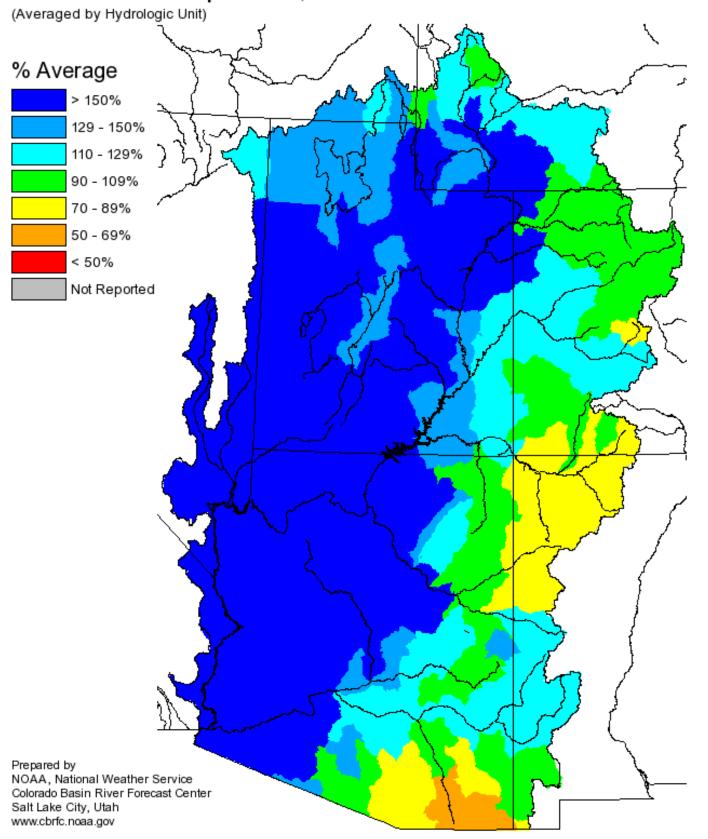
Gila - Solomon:



Monthly Precipitation for December 2004



Seasonal Precipitation, October 2004 - December 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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