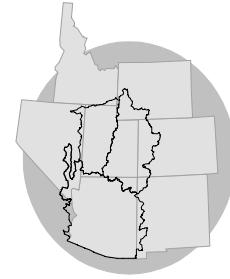


WATER SUPPLY OUTLOOK

for the LOWER COLORADO COLORADO BASIN RIVER FORECAST CENTER

NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT

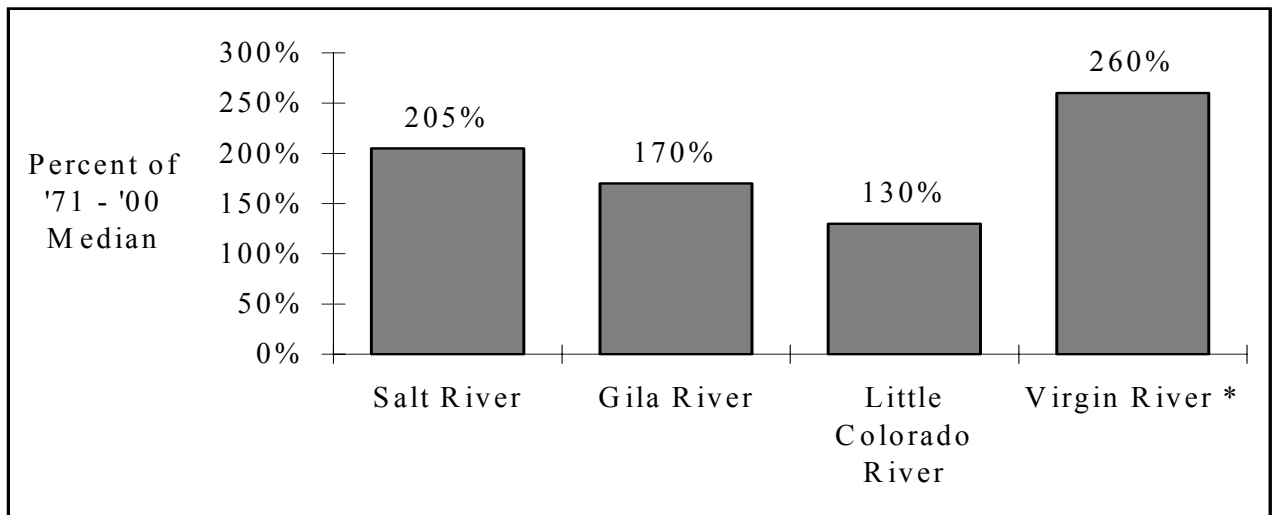


FEBRUARY 1, 2005

SUMMARY

The 2005 Lower Colorado Water Supply Outlook is wet for the first time in several years with almost all points forecasted much above median (much above average for the Virgin River Basin). The snow conditions are good throughout the Basin, with the exception of a small section of the Little Colorado basin's eastern edge; where a pocket of dry continues to persist.

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.

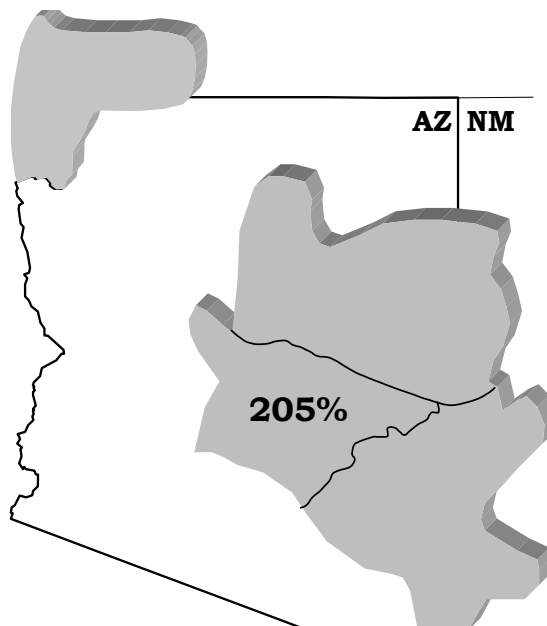
SALT RIVER The 2005 Water Year is **not** another dry year in Arizona. Above normal temperatures and above normal precipitation are expected during March, April, and May. Snow is 135% of median on February 1st. Forecasted stream flows for this area are much above median.

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

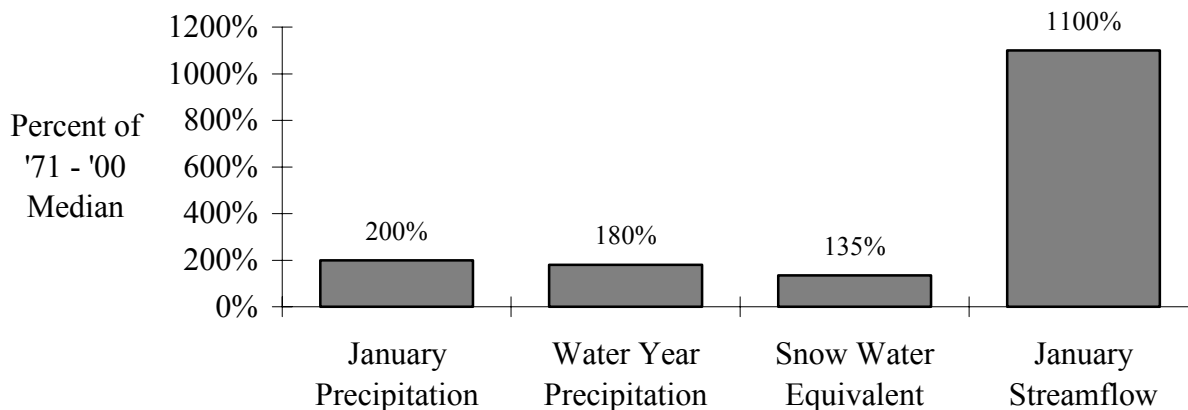
Verde River:
Much Above Median

Tonto Creek:
Much Above Median

Salt River:
Much Above Median



BASIN CONDITIONS - FEBRUARY 1, 2005

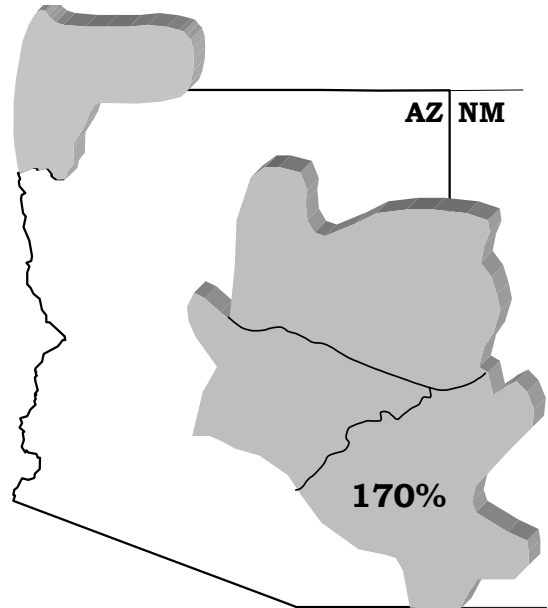


Specific site forecasts are listed on page 6.

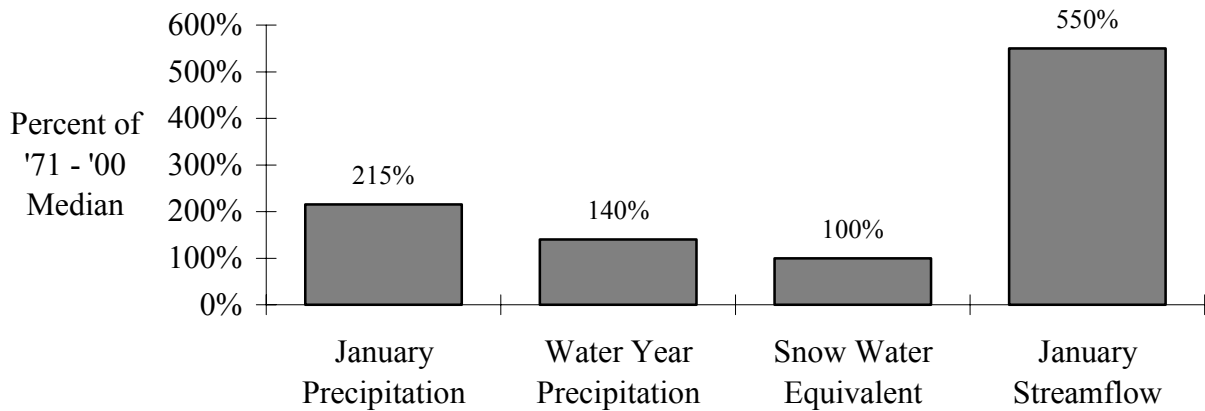
GILA RIVER The 2005 Water Year is beginning with a wet December and January in most of Arizona and Southwest New Mexico. Above normal temperatures and above normal precipitation are expected during March, April, and May. Forecasted stream flows are much above median.

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

Gila River:
Much Above Median



BASIN CONDITIONS - FEBRUARY 1, 2005

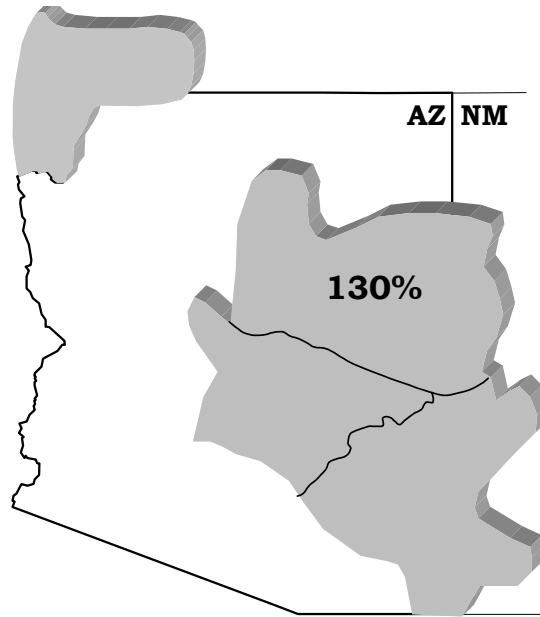


Specific site forecasts are listed on page 6.

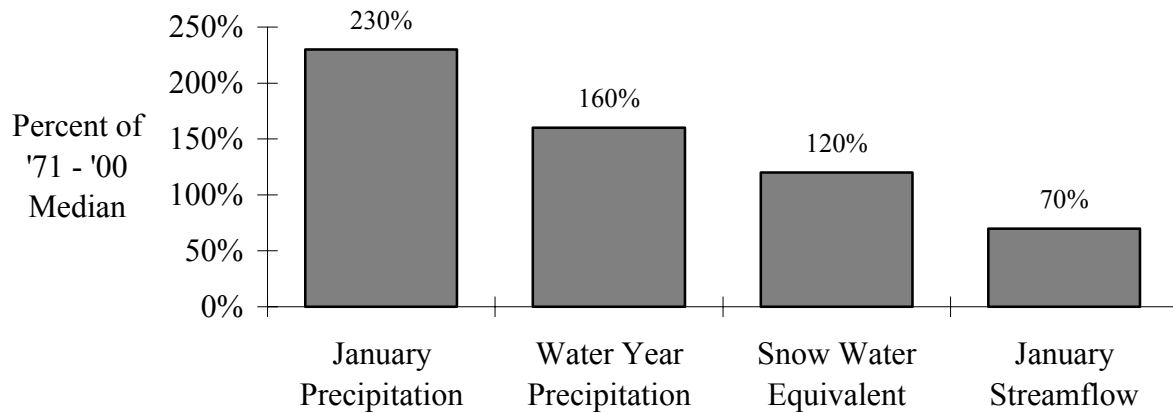
LITTLE COLORADO RIVER The 2005 Water Year for this basin is wet with the exception of a slice of basin's eastern edge; where a small pocket of dry continues to persist. Above normal temperatures and above normal precipitation are expected during March, April, and May. Forecasted stream flows at this time range from 67% to 169% of median.

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

Little Colorado River:
Above Median



BASIN CONDITIONS - FEBRUARY 1, 2005

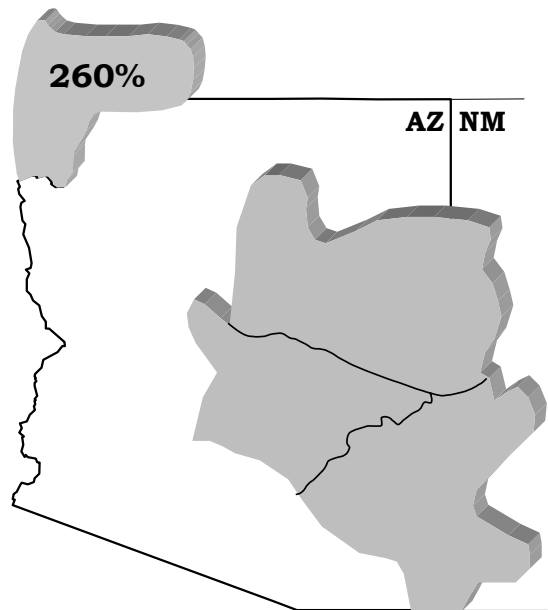


Specific site forecasts are listed on page 6.

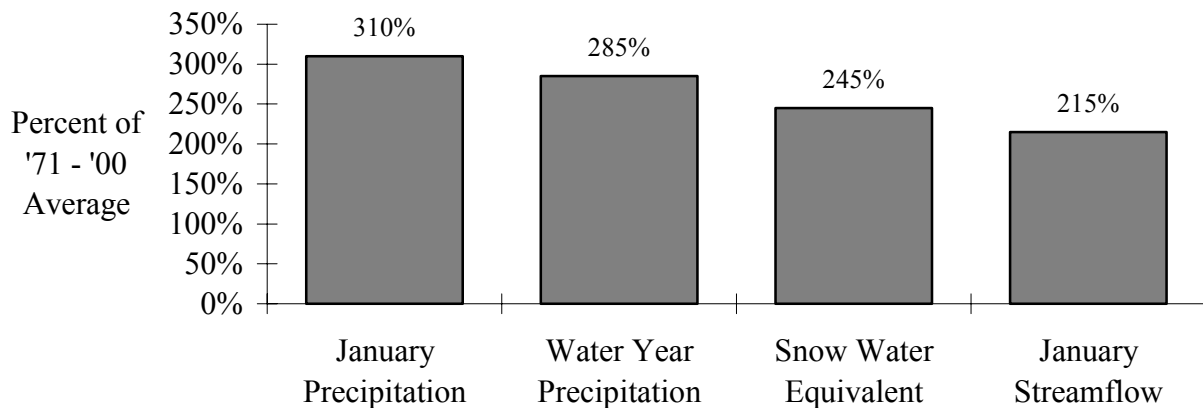
VIRGIN RIVER Snow is 245% of average for the Virgin River Basin on February 1st. Above normal temperatures and above normal precipitation are expected during March, April, and May. Because of the forecasted high temperatures for March, a significant percentage (up to 30%) of the snowmelt runoff may occur in March prior to the April-July forecast period. This additional runoff is not included in the April-July forecast.

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

Virgin River:
Much Above Average



BASIN CONDITIONS - FEBRUARY 1, 2005



Specific site forecasts are listed on page 6.

SPECIFIC SITE FORECASTS—WATER YEAR 2005

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	12	169	25	4.5
	WOODRUFF	4.7	168	8.9	0.46
RIO NUTRIA	RAMAH, NR	2	67	8.8	0.1
ZUNI	BLACK ROCK RES, ABV	1	74	2	0.4
CEBOLLA CK	RAMAH RES	1.2	72	4.2	0.17
EAST CLEAR CK	BLUE RIDGE RES, PINE, NR	21	129	36	9.9
CLEAR CK	WINSLOW, NR	44	129	89	21
CHEVELON CK	WINSLOW, NR, WILDCAT CYN, BLO	5.2	130	23	2.5
WALNUT CK	LAKE MARY	7.5	156	13.9	3.5
SANTA CLARA	✧ PINE VALLEY, NR	14	255	22	7.9
VIRGIN	✧ VIRGIN	152	238	200	111
	✧ HURRICANE, NR	193	280	215	170
	✧ LITTLEFIELD	187	253	205	165
GILA	GILA, NR	85	160	126	54
	VIRDEN, NR, BLUE CK, BLO	115	153	169	61
	SOLOMON, NR, HEAD OF SAFFORD V	240	167	375	103
	SAN CARLOS RES, COOLIDGE DAM,	195	188	300	92
SAN FRANCISCO	GLENWOOD, NR	40	167	60	25
	CLIFTON	100	169	156	44
SAN PEDRO	CHARLESTON	4.7	162	7.7	1.74
SALT	ROOSEVELT, NR	585	165	995	310
TONTO CK	ROOSEVELT, NR, GUN CK, ABV	100	200	235	31
VERDE	BLO TANGLE CK, ABV HORSEHOE DA	500	250	800	285
COLORADO	✧ LAKE POWELL, GLEN CYN DAM, AT	9000	114		

◆ = February-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).

January 2004 END OF MONTH RESERVOIR CONTENTS

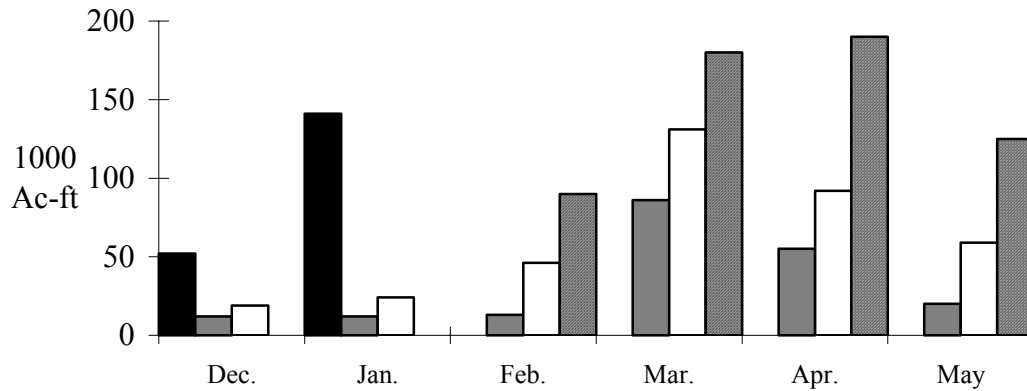
RESERVOIR (vol. in 1000 ac-ft)	Usable Capacity	EOM Usable Contents	Percent Usable Capacity (%)
Roosevelt	1653.0	789.0	48%
Horse Mesa	245.0	232.0	95%
Mormon Flat	58.0	55.0	95%
Stewart Mountain	70.0	66.0	94%
Horseshoe	109.2	87.0	80%
Bartlett	178.0	164.0	92%
Total SRP Reservoirs	2313.2	1393.0	60%
San Carlos	867.0	83.0	10%
Waddell	1145.0	698.0	61%
Painted Rock	2476.0	25.0	1%
Alamo	1045.0	230.0	22%
Lyman	31.0	4.0	13%
Lake Powell	24322.0	8493.0	35%
Mead	27380.0	15128.0	55%
Mohave	1810.0	1664.0	92%
Havasu	619.0	560.0	90%

NA = Not Available.

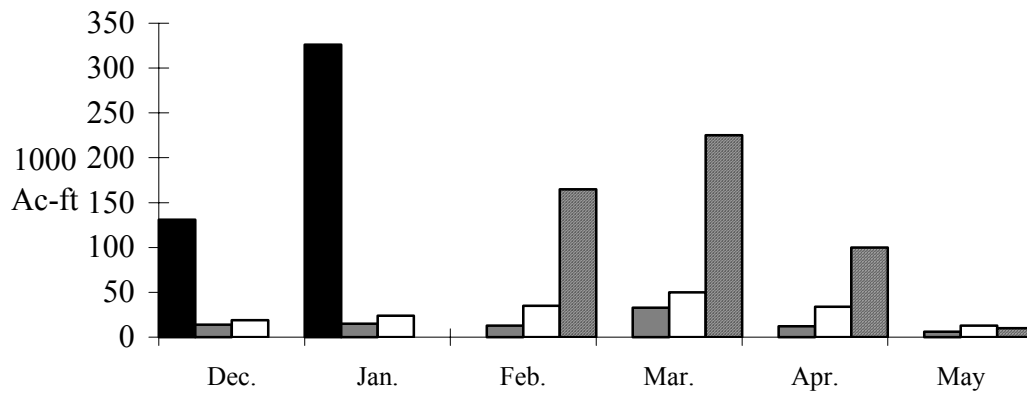
MONTHLY STREAMFLOWS



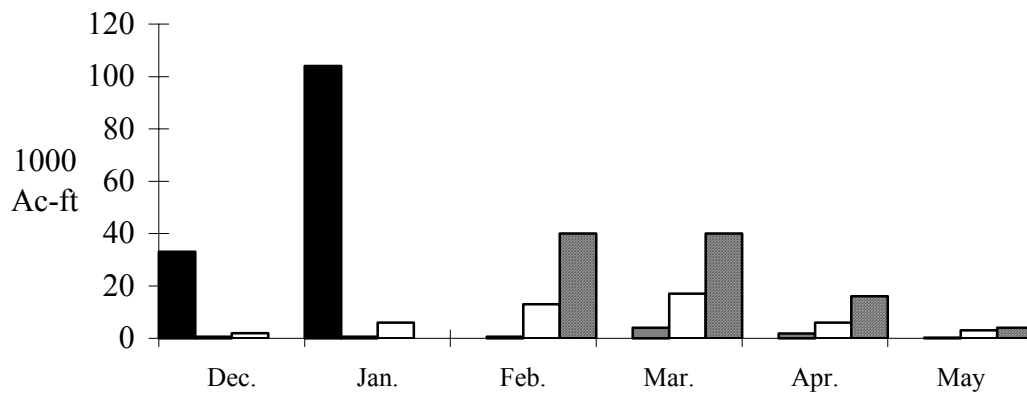
Salt - Roosevelt:



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

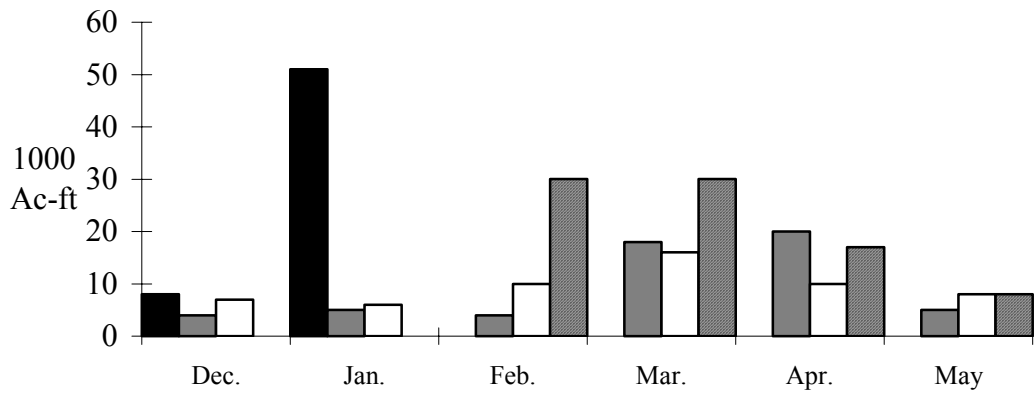


Tonto Ck - Roosevelt, nr, Gun Ck, abv:

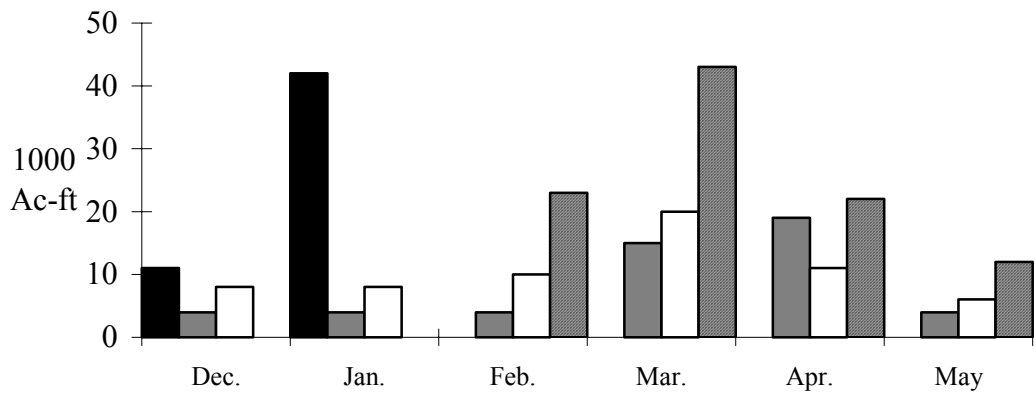




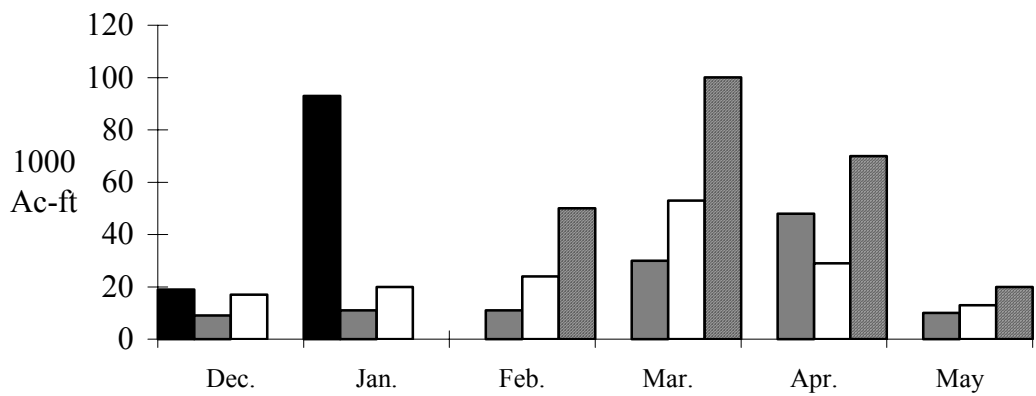
Gila - Gila, nr:



San Francisco - Clifton:



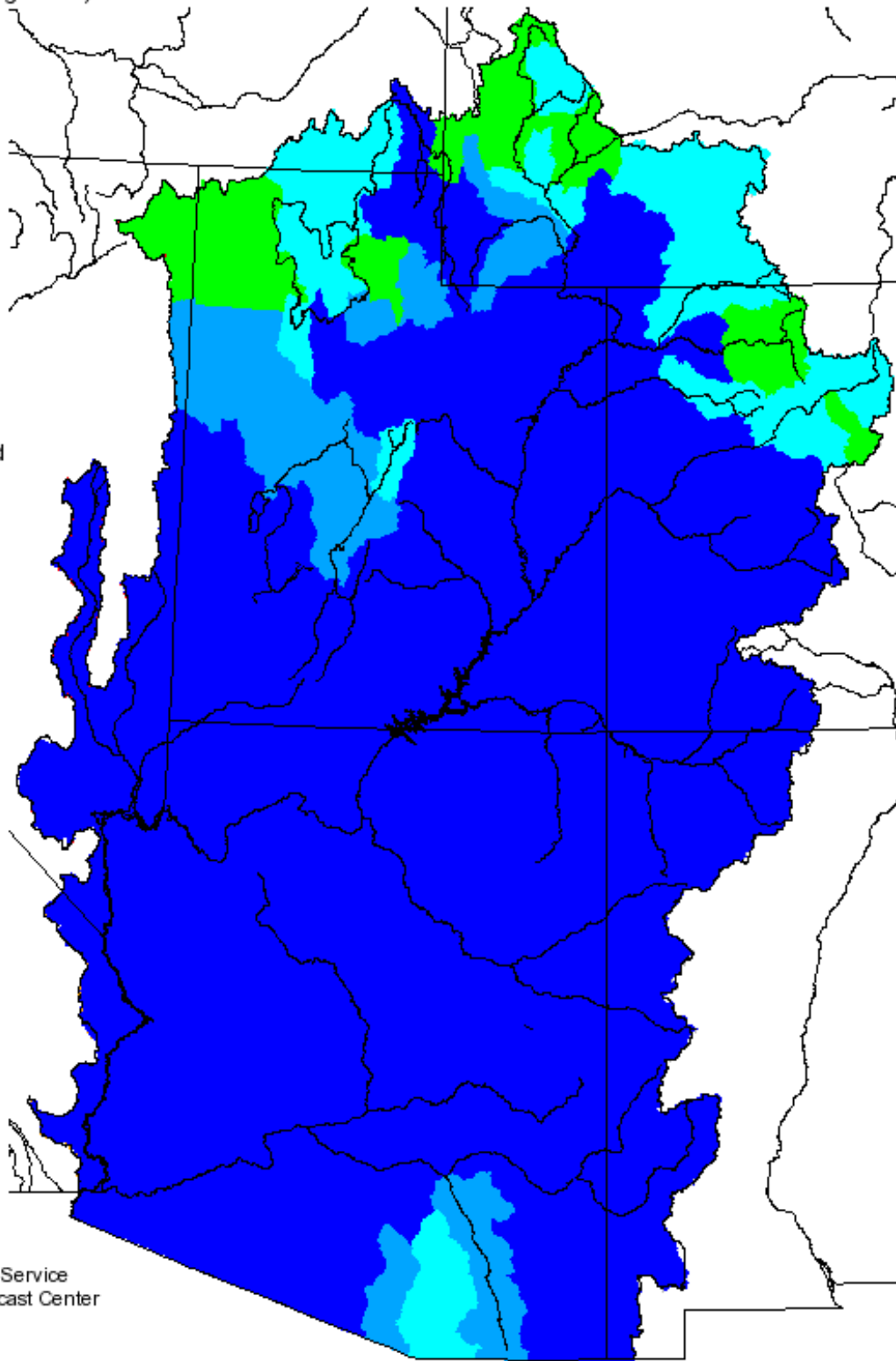
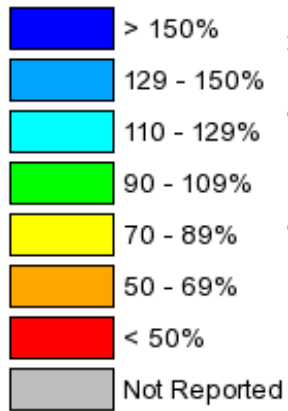
Gila - Solomon:



Monthly Precipitation for January 2005

(Averaged by Hydrologic Unit)

% Average

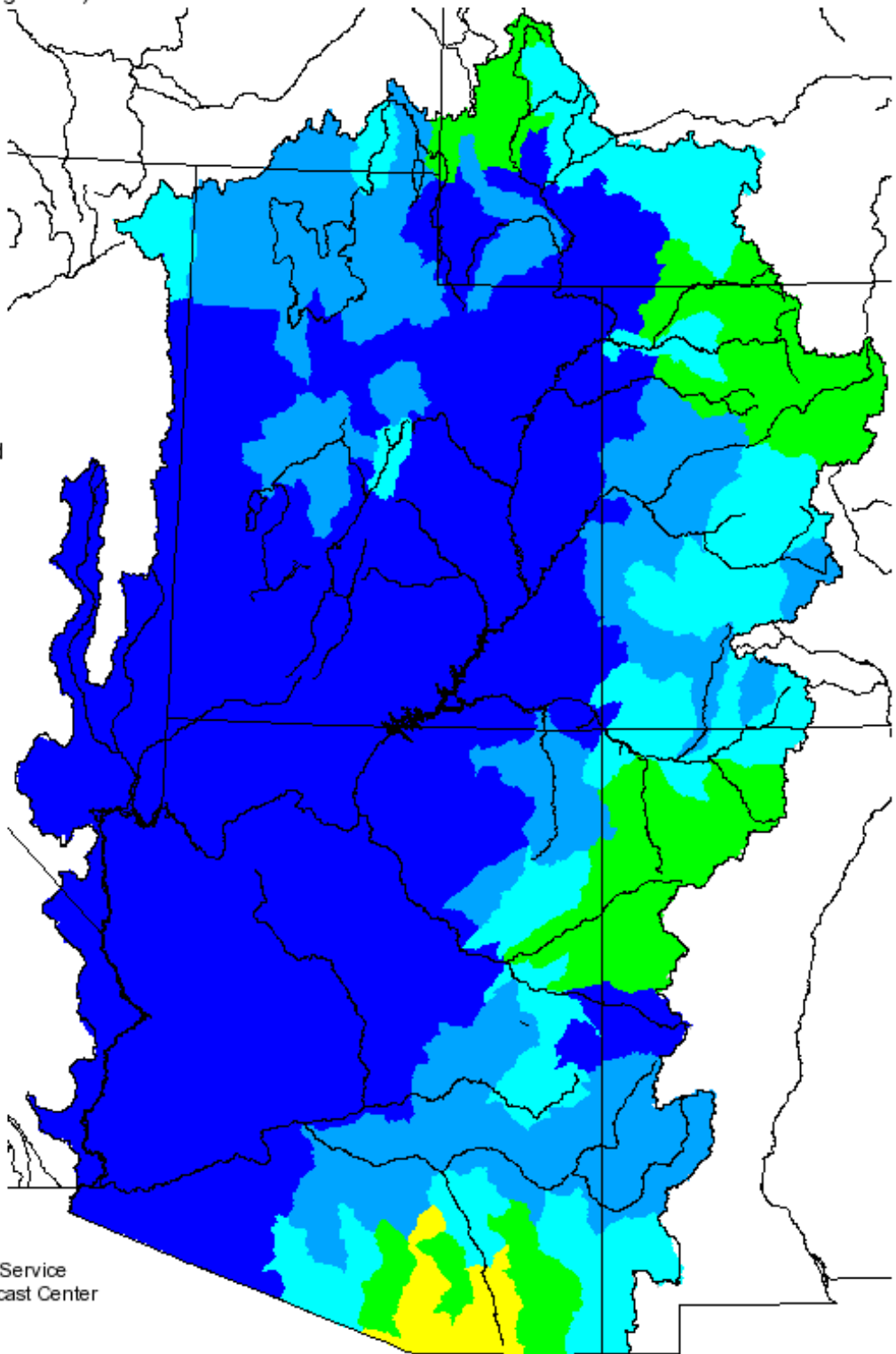
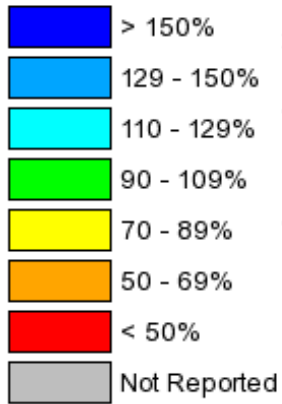


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2004 - January 2005

(Averaged by Hydrologic Unit)

% Average



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 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

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