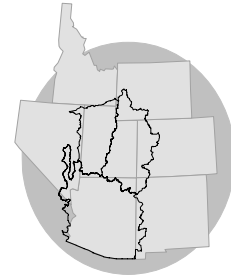




# WATER SUPPLY OUTLOOK

for the  
**EASTERN GREAT BASIN**  
*COLORADO BASIN*  
*RIVER FORECAST CENTER*



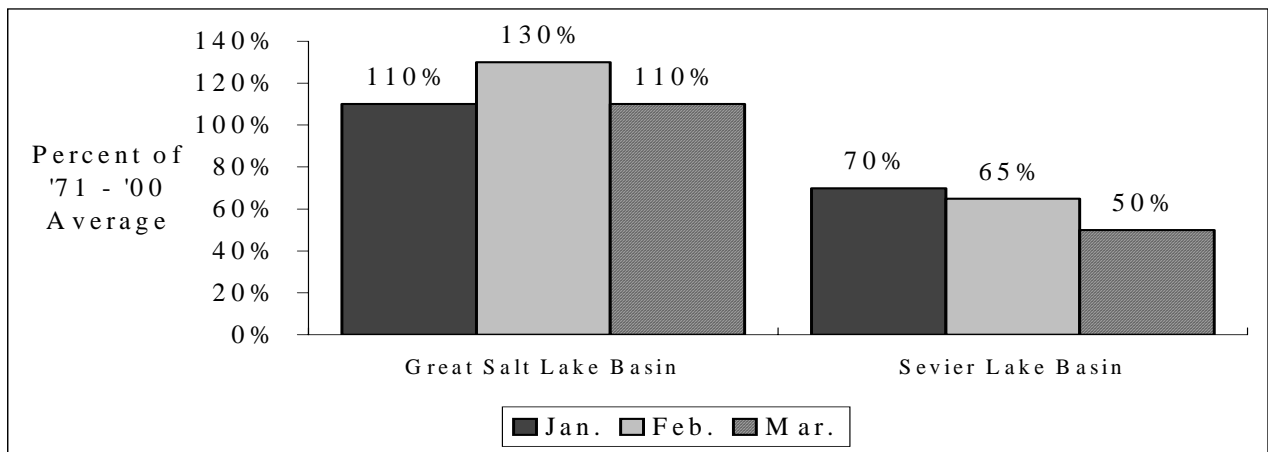
NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT

MARCH 1, 2006

## SUMMARY

Less than average precipitation was received area wide in February however snowpack conditions remain above average over most of the Great Salt Lake Basin. In the Sevier Basin the snowpack situation continued to deteriorate with some melt already occurring. March first snowpack ranged from near 90 to 150 percent of average over most of the Great Salt Lake Basin and from near 40 to 90 percent over the Sevier. April-July runoff volumes are expected to range from 100 to 130 percent across most of the Great Salt Lake basin and less than 70 percent of average in the Sevier.

## APRIL - JULY VOLUME FORECASTS

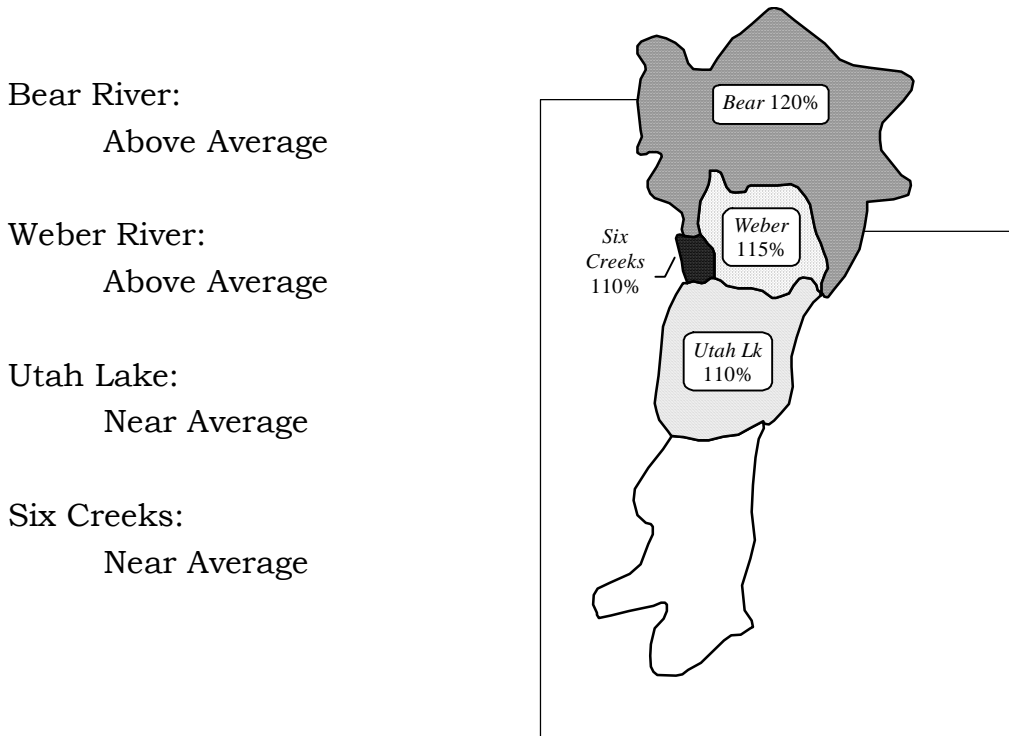


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## GREAT SALT LAKE BASIN

The March 1 water supply outlook is for above average runoff volumes in the Bear River Basin, below average runoff in the Vernon/Settlement Creek areas, and near to slightly above average runoff elsewhere.

April-July streamflow forecasts for the Great Salt Lake Basin are as follows:



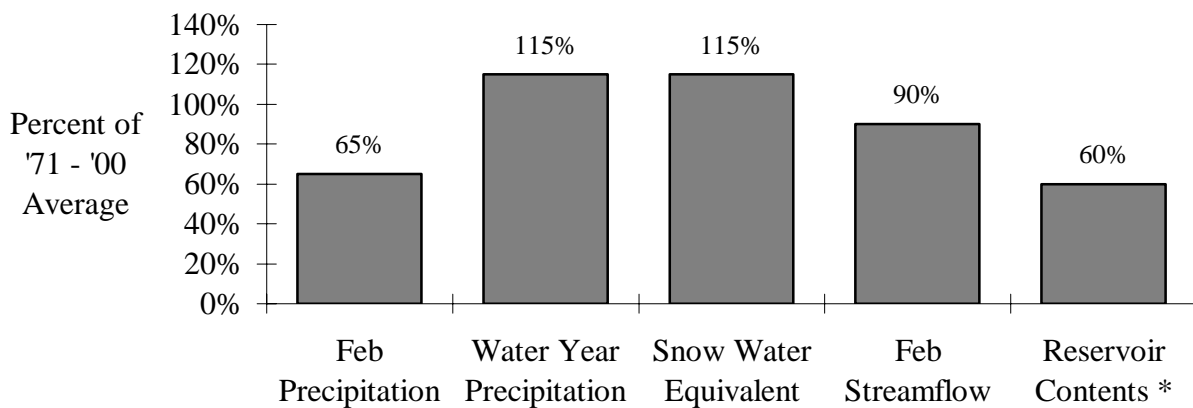
Bear River:  
Above Average

Weber River:  
Above Average

Utah Lake:  
Near Average

Six Creeks:  
Near Average

## BASIN CONDITIONS - MARCH 1, 2006



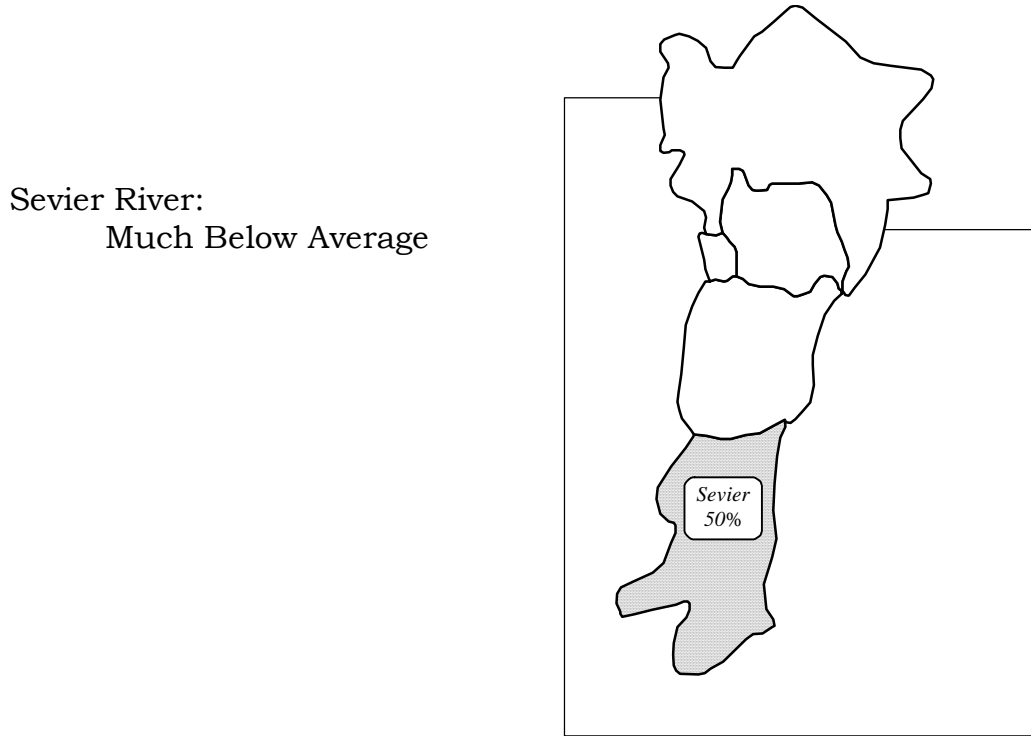
\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 4.

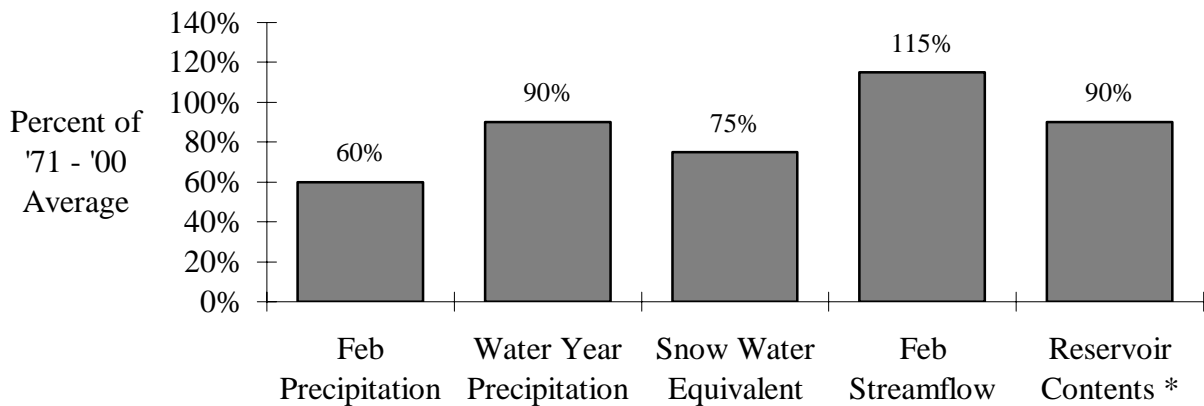
# SEVIER LAKE BASIN

The March 1 water supply outlook is for much below average runoff volumes throughout the Sevier River Basin.

April-July streamflow forecasts for the Sevier Lake Basin are as follows:



## BASIN CONDITIONS - MARCH 1, 2006



\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 5.

## SPECIFIC SITE FORECASTS

**Great Salt Lake Basin:** April through July volume (kaf) forecasts (except where noted).

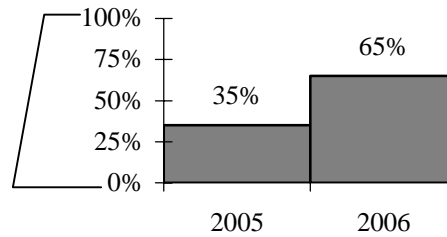
Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
BEAR	UTAH-WYOMING STATE LINE, NR	125	111	154	96
	WOODRUFF NARROWS RES	148	109	195	101
	MONTPELIER, NR, STEWART DAM, B	250	107	345	170
BIG CK	RANDOLPH, NR	5.8	118	7.6	4
SMITHS FORK	BORDER, NR	126	122	149	103
LOGAN	LOGAN, NR, STATE DAM, ABV	163	129	205	126
BLACKSMITH FORK	HYRUM, NR, UP&L DAM, ABV	59	123	84	38
SMITH AND MOREHOUSE CK	OAKLEY, NR	36	106	44	28
WEBER	OAKLEY, NR	135	110	163	107
	ROCKPORT RES, WANSHIP, NR	149	111	189	109
	COALVILLE, NR	155	113	197	113
	ECHO RES, ECHO, AT	199	111	250	147
	GATEWAY	435	123	540	330
CHALK CK	COALVILLE	45	100	63	27
LOST CK	LOST CK RES, CROYDON, NR	19.8	112	30	12
EAST CANYON CK	EAST CANYON RES, MORGAN, NR	40	129	53	29
SF OGDEN	HUNTSVILLE, NR	72	112	93	51
OGDEN	PINEVIEW RES, OGDEN, NR	143	108	185	101
WHEELER CK	HUNTSVILLE, NR	8.1	129	10.4	5.8
SPANISH FORK	CASTILLA, NR	85	110	123	37
PROVO	WOODLAND, NR	118	115	147	89
	HAILSTONE, NR	123	113	159	87
	DEER CK RES	143	113	197	88
AMERICAN FORK	AMERICAN FORK, NR, UP PWRPLNT,	38	119	45	31
JORDAN	UTAH LAKE, PROVO, NR	340	105	490	189
LITTLE COTTONWOOD CK	SALT LAKE CITY, NR	45	112	54	36
BIG COTTONWOOD CK	SALT LAKE CITY, NR	46	121	56	36
CITY CK	SALT LAKE CITY, NR	10	115	13.9	6.1
EMIGRATION CK	SALT LAKE CITY, NR	4.7	104	7.9	1.5
MILL CK	SALT LAKE CITY, NR	7.5	107	10.2	4.8
DELL FK	LITTLE DELL RES	7.8	115	11.7	4
PARLEYS CK	SALT LAKE CITY, NR	18.4	110	27	9.4
VERNON CK	VERNON, NR	1.15	78	1.9	0.69
S WILLOW CK	GRANTSVILLE, NR	3.4	106	4.8	2
SETTLEMENT CK	TOOELE, NR	1.4	79	2.9	0.45

**Sevier Lake Basin:** April through July volume (kaf) forecasts (except where noted).

		Probable	Avg.	Max	Min
SEVIER	HATCH	30	55	56	4.4
	KINGSTON, NR	40	45	80	5.3
	PIUTE RES, MARYSVALE, NR	60	48	129	19
	VERMILLION DAM	76	44	142	9
	SIGURD, NR	87	47	186	40
	GUNNISON, NR, SAN PITCH, BLO	140	50	360	70
EF SEVIER	KINGSTON, NR	26	68	49	2.9
CLEAR CK	SEVIER, NR, DIV, ABV	13.5	61	24	2.9
SALINA CK	SALINA	9.3	47	30	3.7
CHICKEN CK	LEVAN, NR	2.4	53	5.1	0.87
OAK CK	OAK CITY, NR, LITTLE CK, ABV	1.11	68	1.8	0.57
BEAVER	BEAVER, NR	18.3	68	26	12.3
	MINERSVILLE RES, MINERSVILLE,	5.5	33	14.1	0.9
COAL CK	CEDAR CITY, NR	10.1	52	16	6

# END OF MONTH RESERVOIR CONTENTS

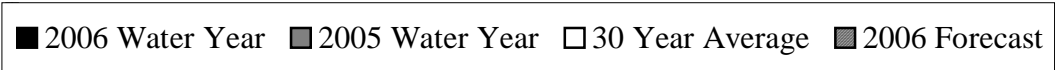
## Percent of Usable Capacity



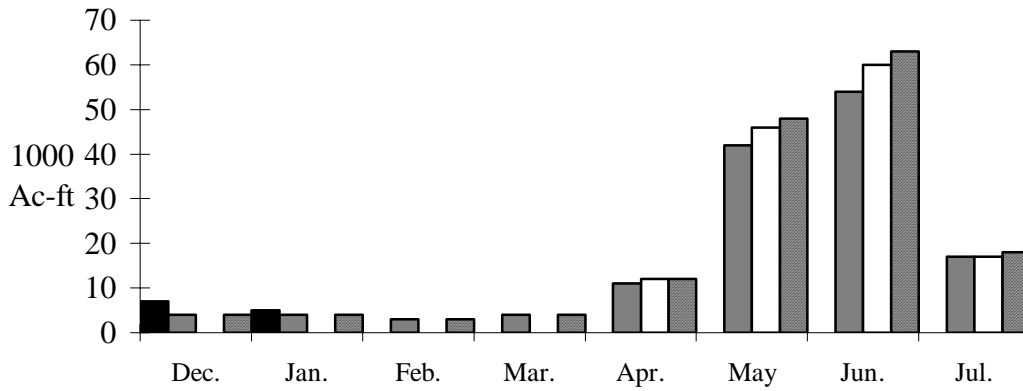
RESERVOIR (vol. in 1000 ac-ft)	Usable Capacity	EOM Usable Contents	Percent Usable Capacity (%)
Bear Lake	1302	290.3	22
Causey	7.1	2.7	38
Jordanelle	311	273.3	88
Deer Creek	149.7	120.9	81
East Canyon	49.5	36	73
Echo	73.9	52.4	71
Gunnison	20.3	18	89
Hyrum	15.3	10.4	68
Lost Creek	22.5	15.7	70
Minersville	23.3	21.1	91
Otter Creek	52.5	49	93
Pine View	110.1	54.7	50
Piute	71.8	65.9	92
Rockport	60.9	41.3	68
Sevier bridge	236	222.3	94
* Utah Lake	870.9	869.9	100
Willard	215	194.2	90
Woodruff Narrows	55.8	35	63
TOTAL	3647.6	2373	65
Flaming Gorge	3749	3035.4	81
Lake Powell	24322	10793.4	44
Moon Lake	36	25.2	70
Red Fleet	25.7	22.3	87
Scofield	65.8	37.2	57
Starvation	165.3	137.8	83
Steinaker	34.4	31.2	91
Strawberry	1105.9	838.1	76
Upper Stillwater	32.5	3.2	10

\* Usable capacity taken at compromise      Total does not include missing site usable capacities

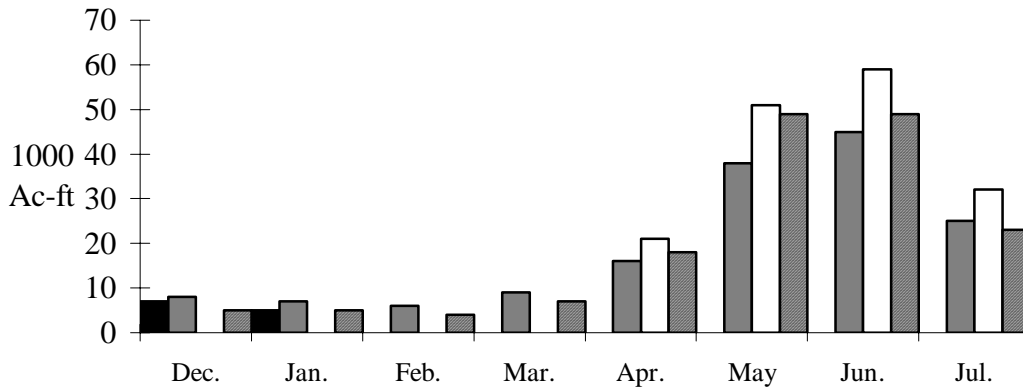
# MONTHLY STREAMFLOWS



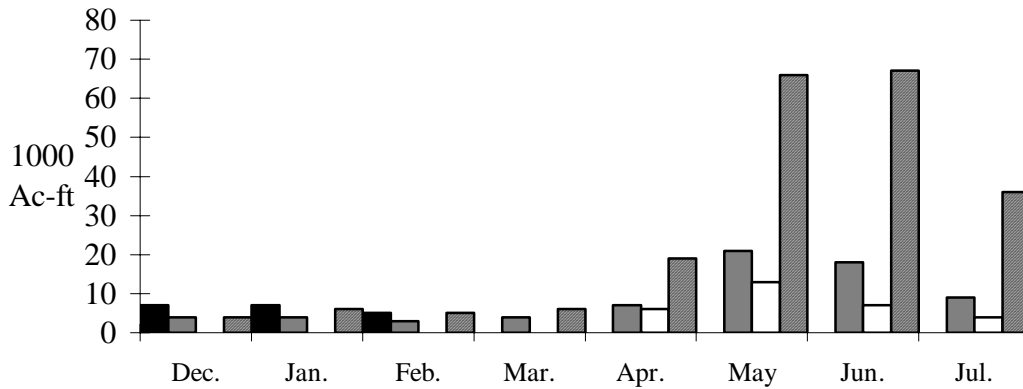
## Weber Oakley, nr:



## Logan - Logan, nr, State Dam, abv:



## Sevier - Hatch:

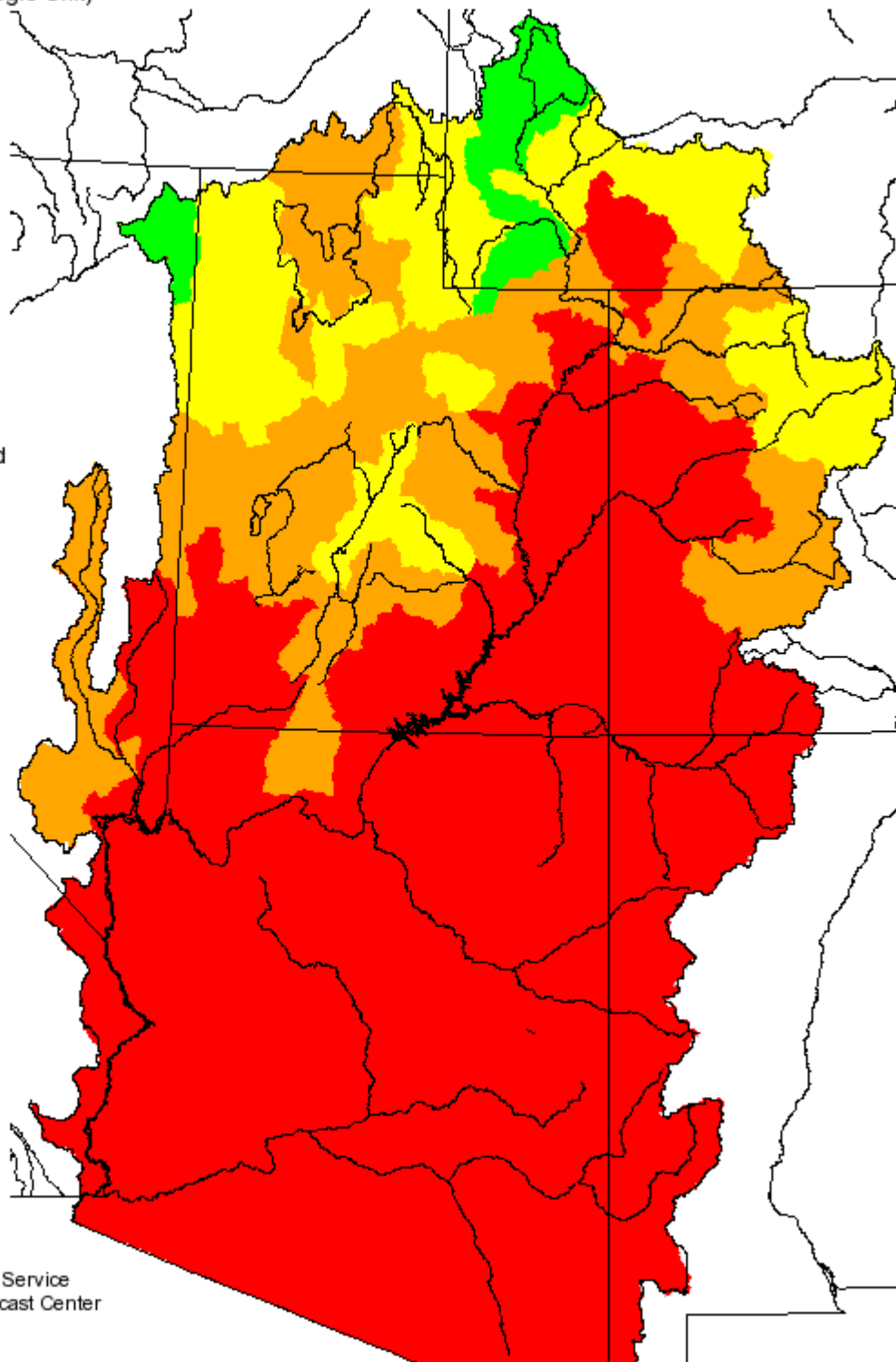
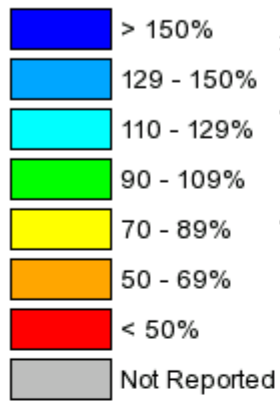


\* observed data unavailable

# Monthly Precipitation for February 2006

(Averaged by Hydrologic Unit)

## % Average



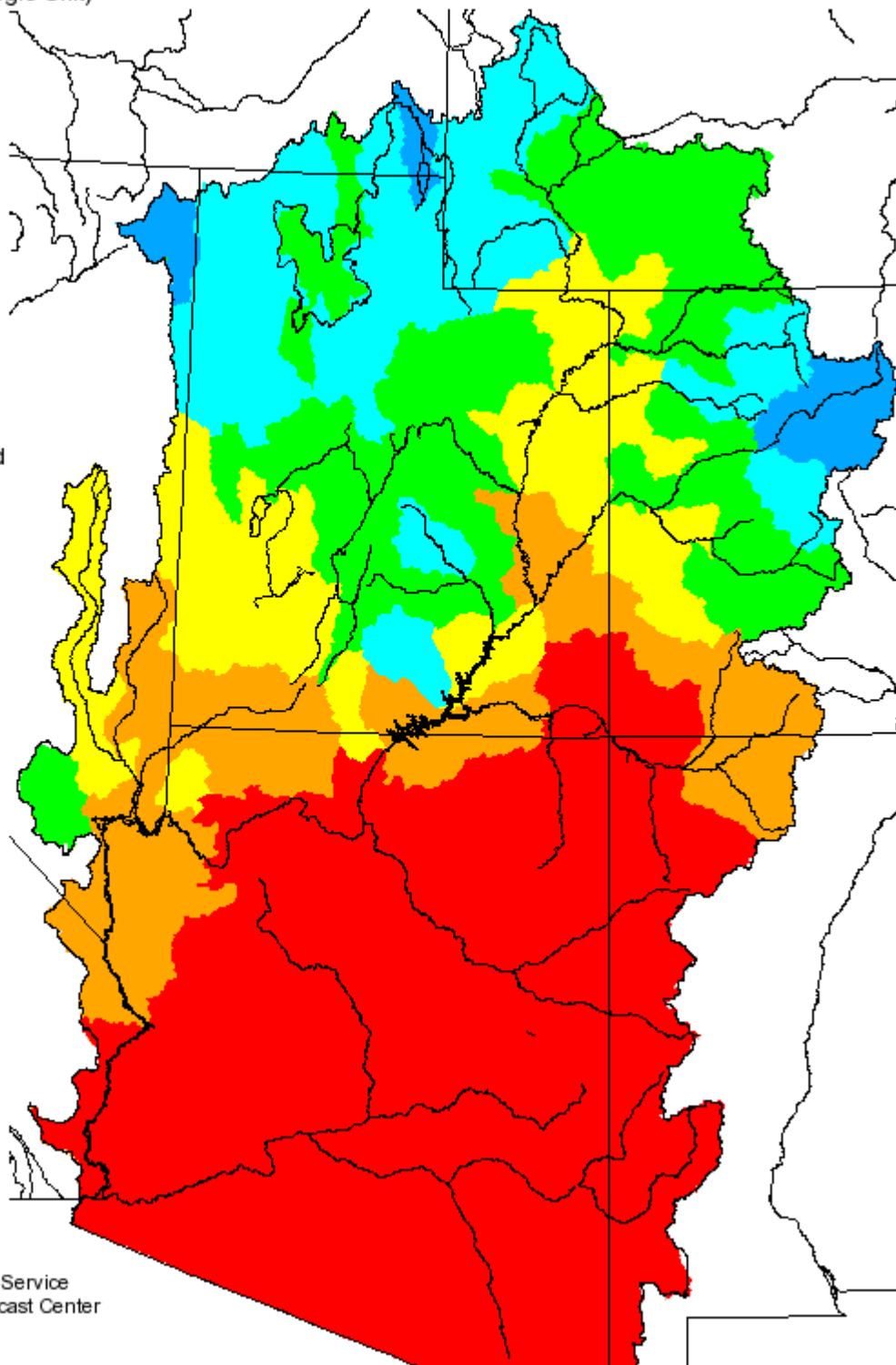
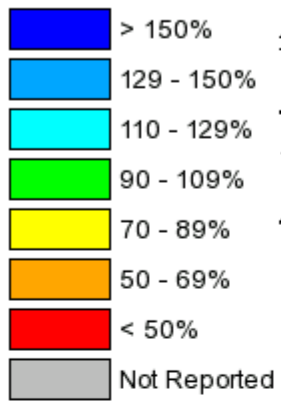
Prepared by  
NOAA, National Weather Service  
Colorado Basin River Forecast Center  
Salt Lake City, Utah  
[www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)



# Seasonal Precipitation, October 2005 - February 2006

(Averaged by Hydrologic Unit)

## % Average



Prepared by  
NOAA, National Weather Service  
Colorado Basin River Forecast Center  
Salt Lake City, Utah  
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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 May 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, 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 Average	Above Average	Near Average	Below Average	Much Below Average
Greater than 130%	111-130%	90-110%	70-89%	Less than 70%

**Forecast Period:**

The period from April 1 through July 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>