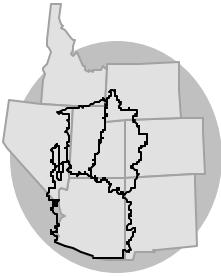


WATER SUPPLY OUTLOOK
for the
EASTERN GREAT BASIN
COLORADO BASIN
RIVER FORECAST CENTER
NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT

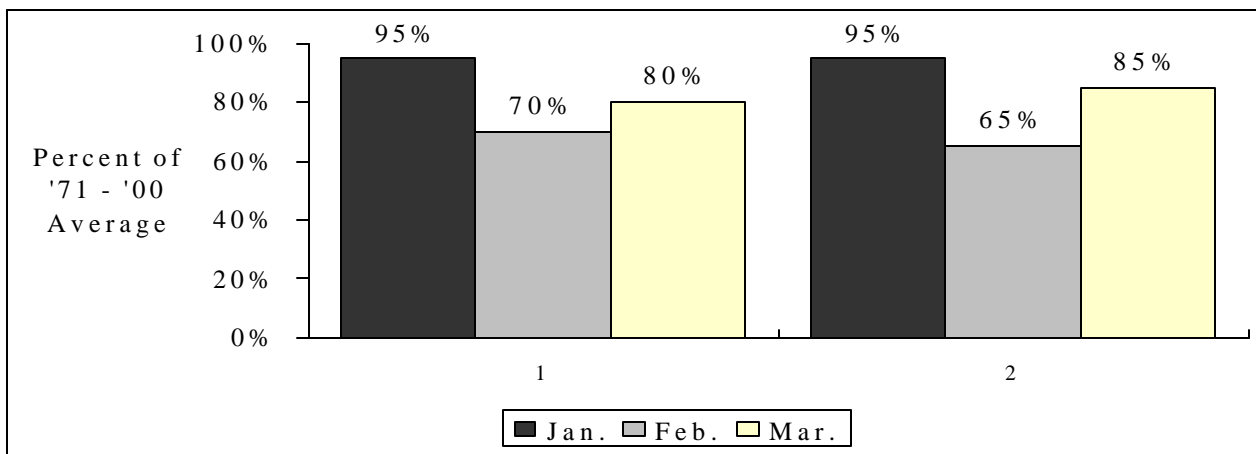


MARCH 1, 2004

SUMMARY

As of March 1 below to near average April-July runoff is forecast throughout the Eastern Great Basin. Forecasts range mostly from 45 to 120 percent of the 1971-2000 average in the Great Salt Lake Basin and 35 to 115 percent in the Sevier Lake Basin. Little change in snowpack in the Great Salt Lake Basin resulted in little change or slight increases in the forecast volumes overall, except in the Six Creeks area, which increased 20 percent. Likewise, a 20 percent increase in snowpack in the Sevier Lake Basin resulted in a comparable increase in the spring runoff forecasts in that area.

APRIL - JULY VOLUME FORECASTS



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Monthly Streamflows	7
Precipitation Maps	8,9
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GREAT SALT LAKE BASIN

The March 1 water supply outlook is for below to near average runoff in the Great Salt Lake Basin.

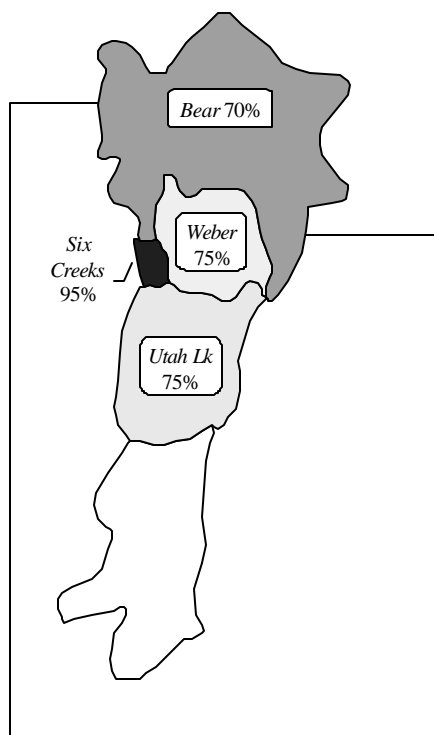
April-July streamflow forecasts for the Great Salt Lake Basin are as follows:

Bear River:
Below Average

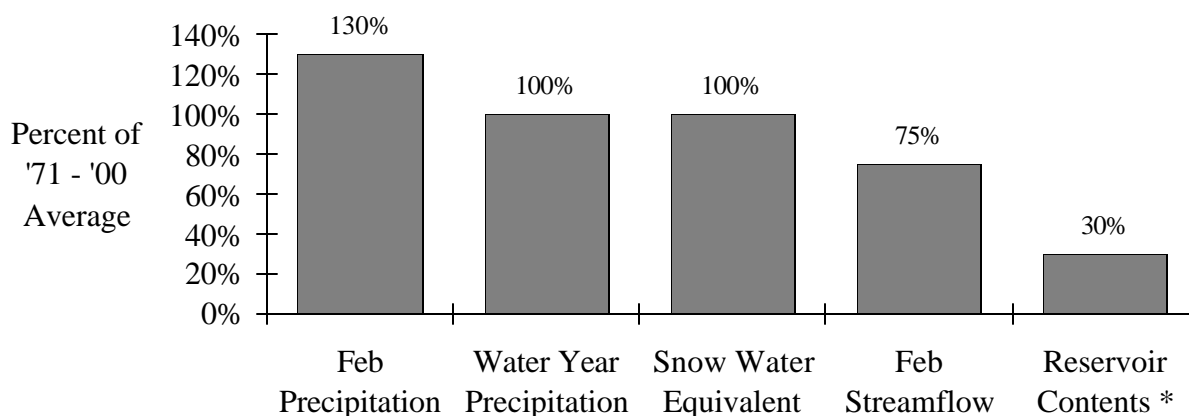
Weber River:
Below Average

Utah Lake:
Below Average

Six Creeks:
Near Average



BASIN CONDITIONS - MARCH 1, 2004



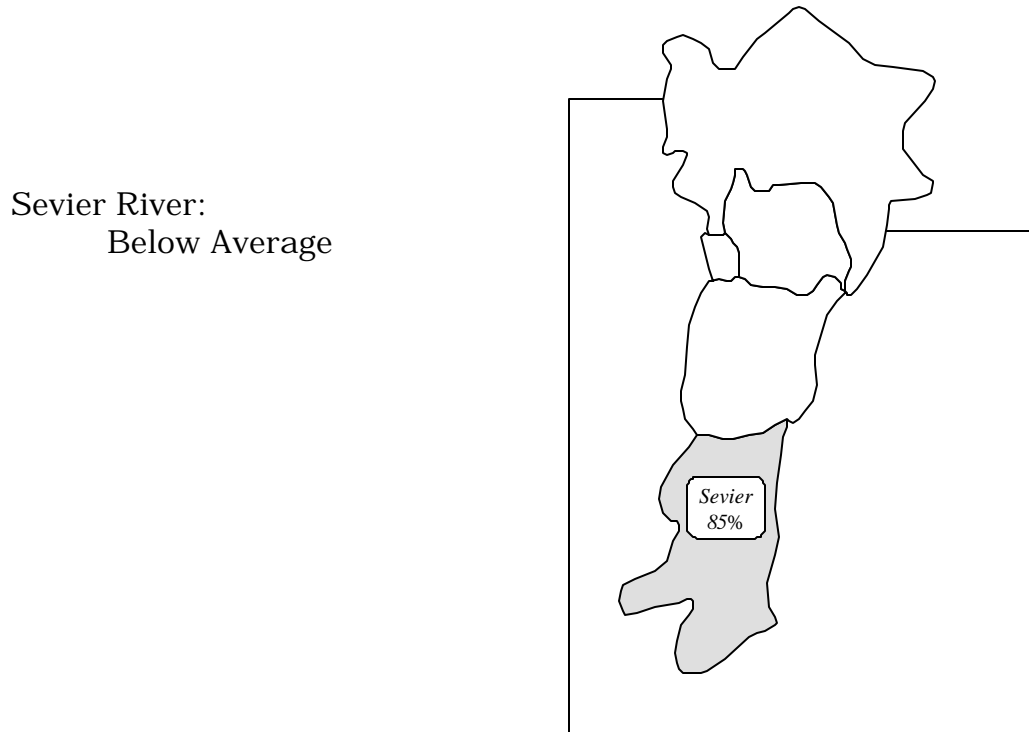
* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 4.

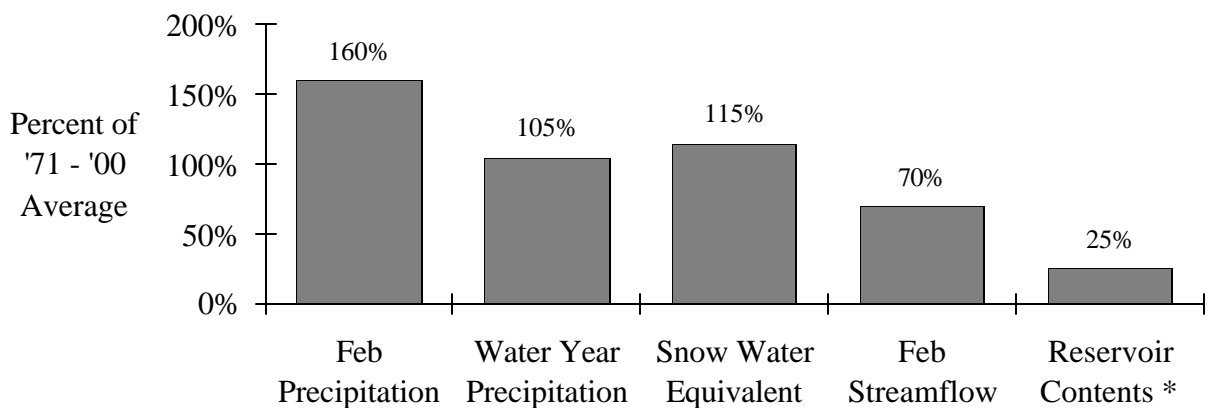
SEVIER LAKE BASIN

The March 1 water supply outlook is for below average April-July runoff volumes in the Sevier Lake Basin.

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



BASIN CONDITIONS - MARCH 1, 2004



* 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	84	74	113	55
	WOODRUFF NARROWS RES	64	47	111	42
	MONTPELIER, NR, STEWART DAM, B	29	13	67	7
BIG CK	RANDOLPH, NR	1.9	39	3.7	1.22
SMITHS FORK	BORDER, NR	77	75	100	54
LOGAN	LOGAN, NR, STATE DAM, ABV	93	74	125	65
BLACKSMITH FORK	HYRUM, NR, UP&L DAM, ABV	34	71	54	18.7
SMITH AND MOREHOUSE CK	OAKLEY, NR	24	71	32	16.2
WEBER	OAKLEY, NR	85	69	113	57
	ROCKPORT RES, WANSHIP, NR	84	63	124	44
	COALVILLE, NR	85	62	127	43
	ECHO RES, ECHO, AT	114	64	166	62
	GATEWAY	270	76	375	167
CHALK CK	COALVILLE	28	62	46	9.6
LOST CK	LOST CK RES, CROYDON, NR	13.2	75	21	7
EAST CANYON CK	EAST CANYON RES, MORGAN, NR	28	90	39	18.9
SF OGDEN	HUNTSVILLE, NR	54	84	75	33
OGDEN	PINEVIEW RES, OGDEN, NR	107	80	149	65
WHEELER CK	HUNTSVILLE, NR	7.8	124	10.1	5.5
SPANISH FORK	CASTILLA, NR	62	81	102	15.7
PROVO	WOODLAND, NR	74	72	99	41
	HAILSTONE, NR	76	70	109	33
	DEER CK RES	96	76	145	37
AMERICAN FORK	AMERICAN FORK, NR, UP PWRPLNT,	26	81	34	15.8
JORDAN	UTAH LAKE, PROVO, NR	255	78	395	94
LITTLE COTTONWOOD CK	SALT LAKE CITY, NR	35	88	40	22
BIG COTTONWOOD CK	SALT LAKE CITY, NR	32	84	39	19.3
CITY CK	SALT LAKE CITY, NR	10	115	11	3.2
EMIGRATION CK	SALT LAKE CITY, NR	5.3	118	7	0.6
MILL CK	SALT LAKE CITY, NR	6.8	97	8.1	2.7
DELL FK	LITTLE DELL RES	6.2	91	9.3	1.55
PARLEYS CK	SALT LAKE CITY, NR	15	90	21	5.1
VERNON CK	VERNON, NR	2.2	149	3.7	1.32
S WILLOW CK	GRANTSVILLE, NR	4.7	147	6.1	3.3
SETTLEMENT CK	TOOELE, NR	2.3	117	3.4	1.45

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

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
SEVIER	HATCH	47	85	70	18.3
	KINGSTON, NR	72	81	105	31
	PIUTE RES, MARYSVALE, NR	104	83	166	30
	VERMILLION DAM	140	81	200	68
	SIGURD, NR	146	78	240	42
	GUNNISON, NR, SAN PITCH, BLO	210	75	425	65
EF SEVIER	KINGSTON, NR	32	84	53	5.5
CLEAR CK	SEVIER, NR, DIV, ABV	18	82	31	4.1
SALINA CK	* SALINA	BN	0	0	0
CHICKEN CK	LEVAN, NR	5	111	9.2	2.3
OAK CK	OAK CITY, NR, LITTLE CK, ABV	1.9	117	2.8	1.16
BEAVER	BEAVER, NR	20	74	28	13.6
	MINERSVILLE RES, MINERSVILLE,	5.6	34	14.2	0.9
COAL CK	CEDAR CITY, NR	18	93	25	12

* Categorical Forecast - Current regulations allow for discontinuance of a streamflow volume forecast when observations at the point have not been taken or recorded for 5 years or longer. Recognizing the importance to the user, the NWS and NRCS have often continued to provide forecasts long after observations have ceased. Forecasters will now have the option to express these forecasts categorically (e.g. instead of issuing a forecast of 77 percent of average, the forecast would simply be “below average”). Specifically, the categories are:

MA - much above normal (greater than 130 percent of normal)

AN - above normal (111- 130 percent of normal)

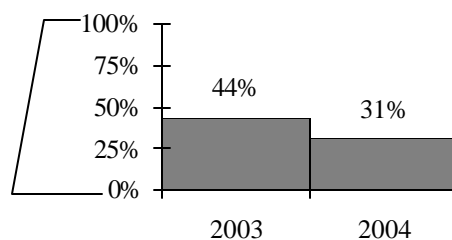
NN - near normal (90-110 percent of normal)

BN - below normal (70-89 percent of normal)

MB - much below normal (less than 70 percent of normal)

END OF MONTH RESERVOIR CONTENTS

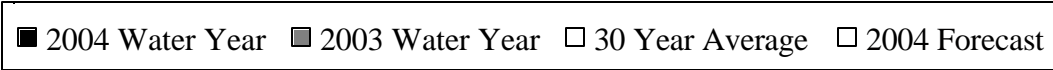
Percent of Usable Capacity



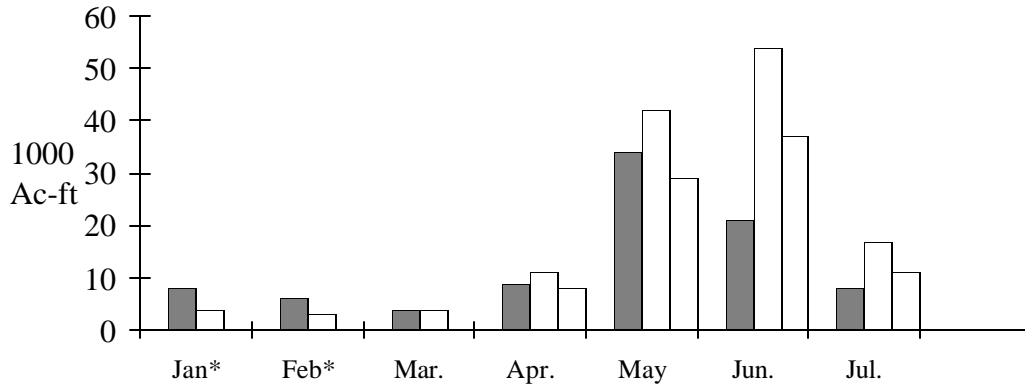
RESERVOIR (vol. in 1000 ac-ft)	Usable Capacity	EOM Usable Contents	Percent Usable Capacity (%)
Bear Lake	1302	34.4	3
Causey	7.1	2.4	34
Jordanelle	311	236.5	76
Deer Creek	149.7	60.3	40
East Canyon	49.5	26.2	53
Echo	73.9	42	57
Gunnison	20.3	2.5	12
Hyrum	15.3	8.4	55
Lost Creek	22.5	4.2	19
Minersville	23.3	6.5	28
Otter Creek	52.5	20.6	39
Pine View	110.1	34.7	32
Piute	71.8	20.4	28
Rockport	60.9	30.7	50
Sevier bridge	236	56.4	24
* Utah Lake	870.9	465.2	53
Willard	215	55.5	26
Woodruff Narrows	55.8	7.5	13
TOTAL	3647.6	1114.4	31
Flaming Gorge	3749	2602.2	69
Lake Powell	24322	10536.9	43
Moon Lake	36	16.6	46
Red Fleet	25.7	13.8	54
Scofield	65.8	missing	missing
Starvation	165.3	142	86
Steinaker	34.4	12.8	37
Strawberry	1105.9	776	70
Upper Stillwater	32.5	2.1	6

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

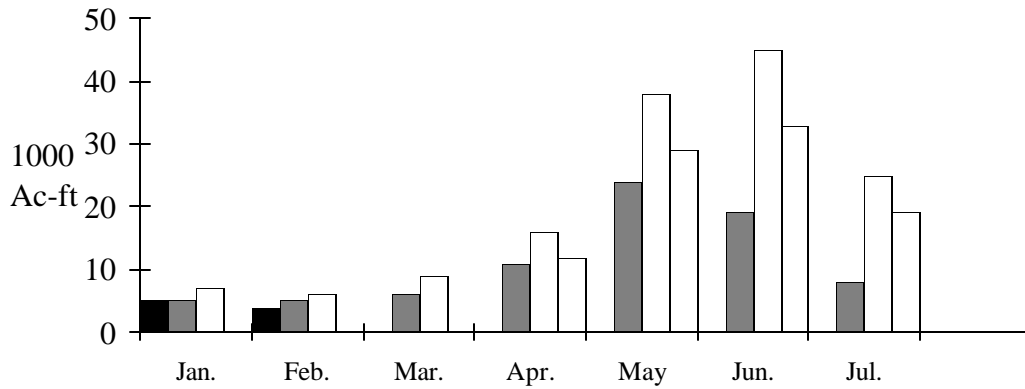
MONTHLY STREAMFLOWS



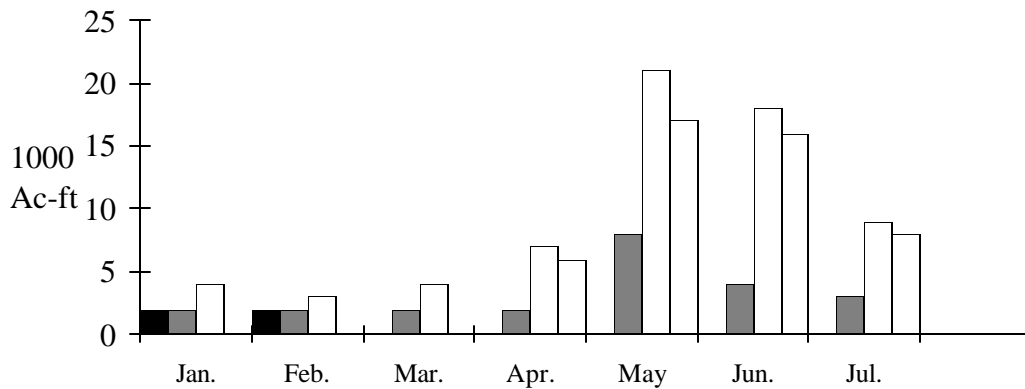
Weber Oakley, nr:



Logan - Logan, nr, State Dam, abv:



Sevier - Hatch:

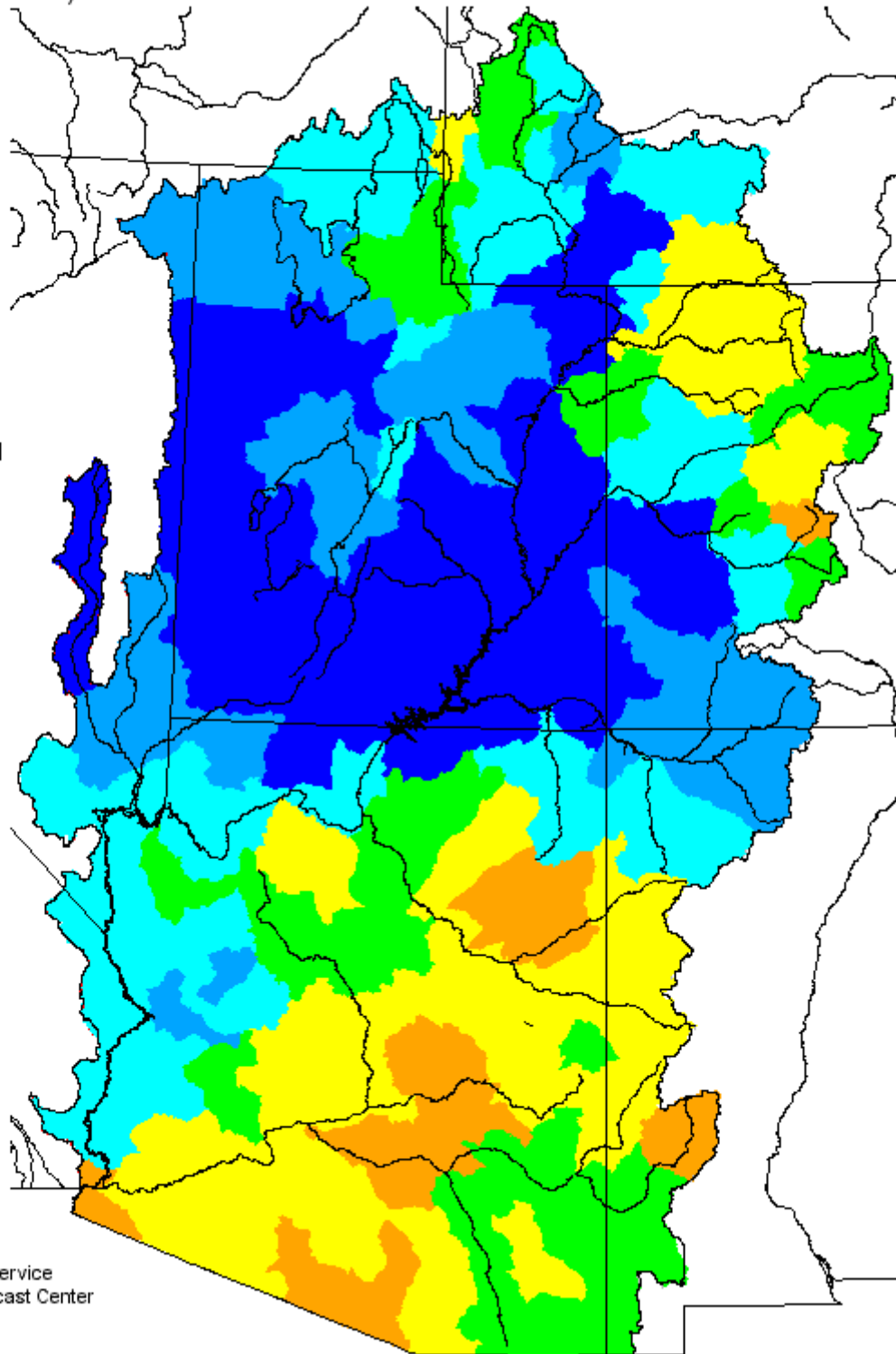
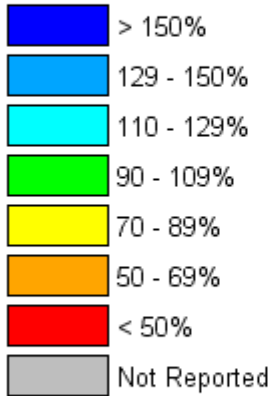


* observed data unavailable

Monthly Precipitation for February 2004

(Averaged by Hydrologic Unit)

% Average

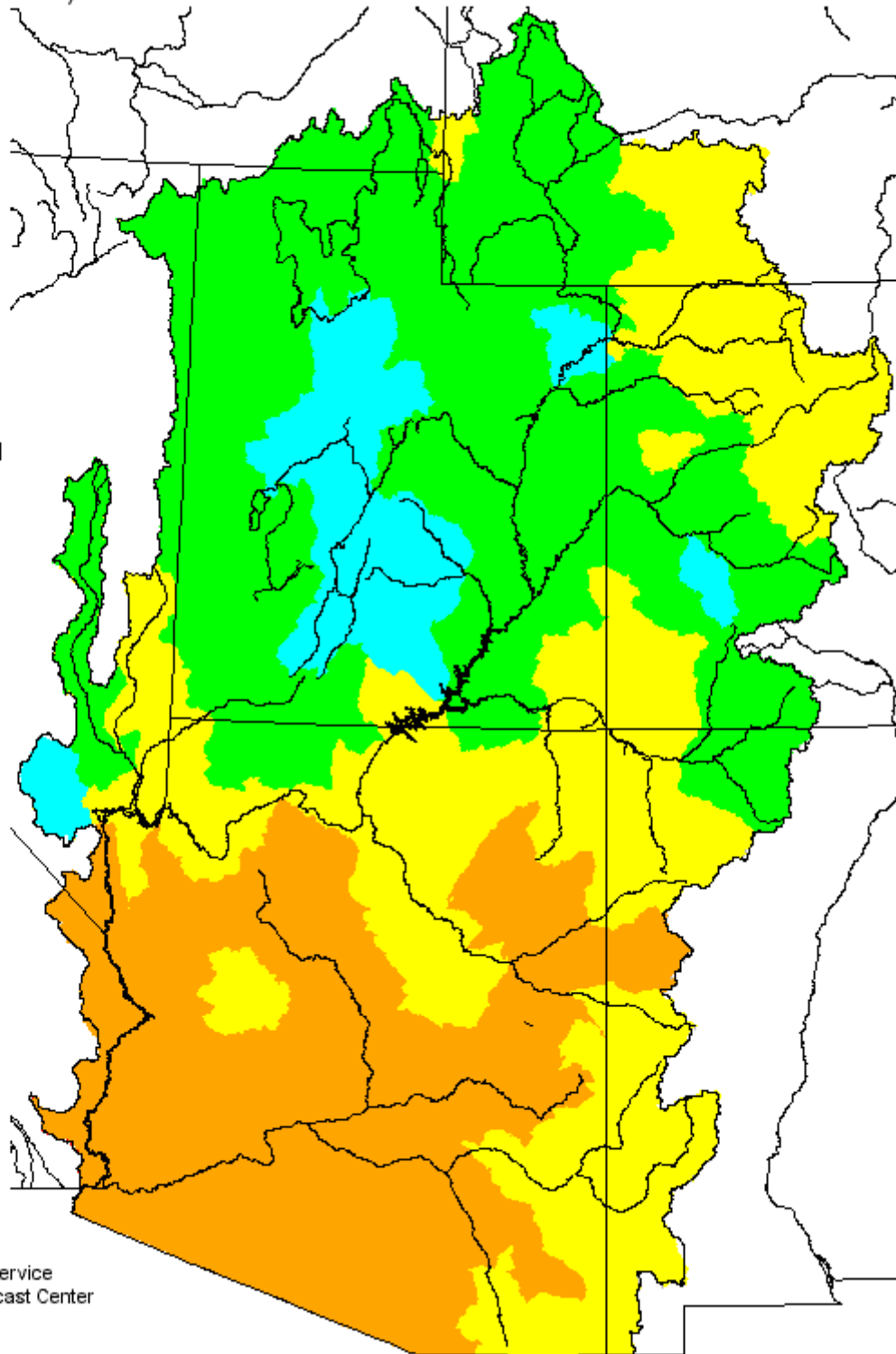
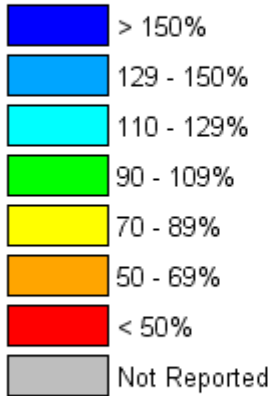


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2003 - February 2004

(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 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>