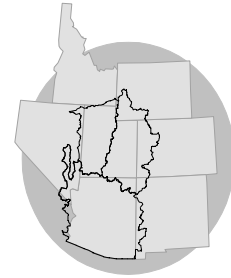


WATER SUPPLY OUTLOOK for the EASTERN GREAT BASIN

**COLORADO BASIN
RIVER FORECAST CENTER**

NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT

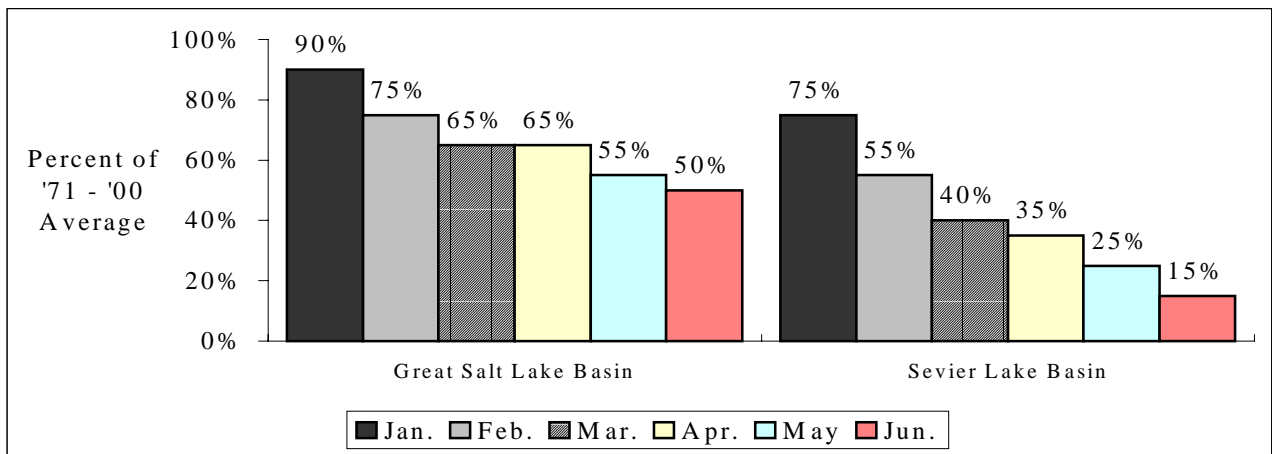


JUNE 1, 2002

SUMMARY

With the exception of the Six Creeks drainage the snowpack has been depleted over nearly all of the eastern Great Basin as of June 1st. May precipitation was much below average over the entire area. April-July runoff volumes ranged from 30 to 60 percent of average in the Great Salt Lake Basin and less than 20 percent of average in the Sevier Basin. As a result April-July runoff forecasts were further reduced, especially in the Sevier Basin where record minimum volumes are expected. April-July runoff forecasts now range from near 30 to 60 percent of the 1971-2000 average in most of the Great Salt Lake Basin and 10 to 20 percent in the Sevier Basin.

APRIL - JULY VOLUME FORECASTS



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GREAT SALT LAKE BASIN

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

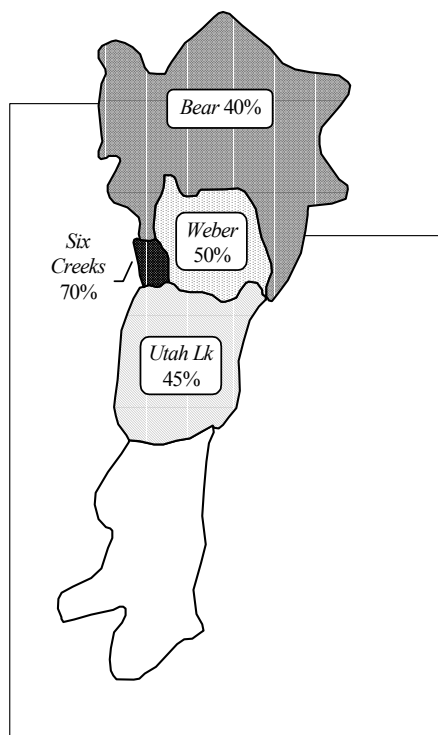
April-July streamflow forecasts for the Great Salt Lake Basin are as follows:

Bear River:
Much Below Average

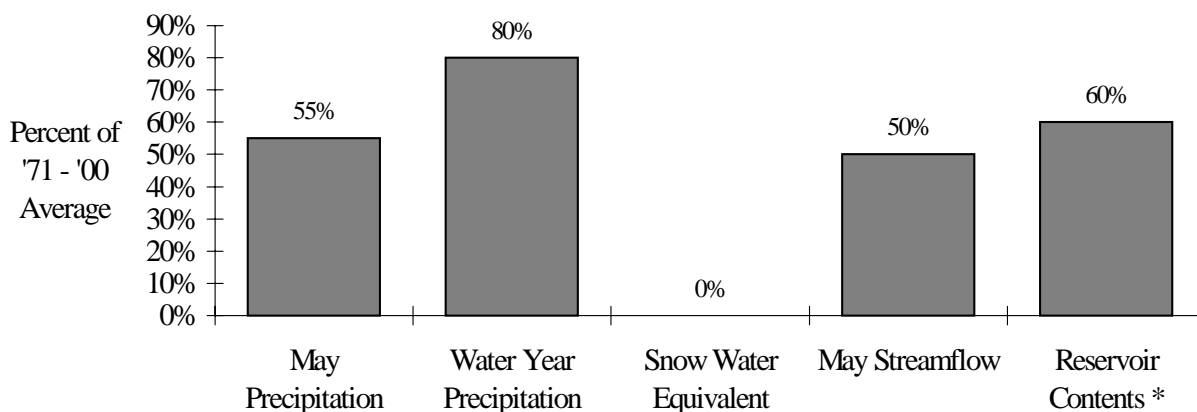
Weber River:
Much Below Average

Utah Lake:
Much Below Average

Six Creeks:
Below Average



BASIN CONDITIONS - JUNE 1, 2002



* Percent usable capacity, not percent average contents.

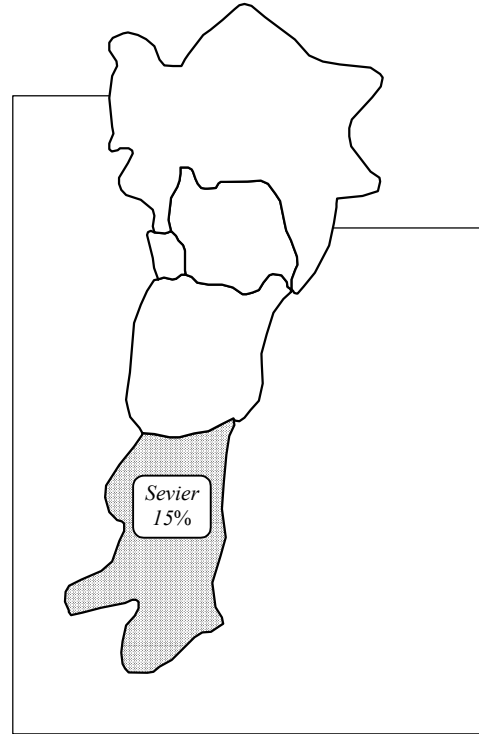
Specific site forecasts are listed beginning on page 4.

SEVIER LAKE BASIN

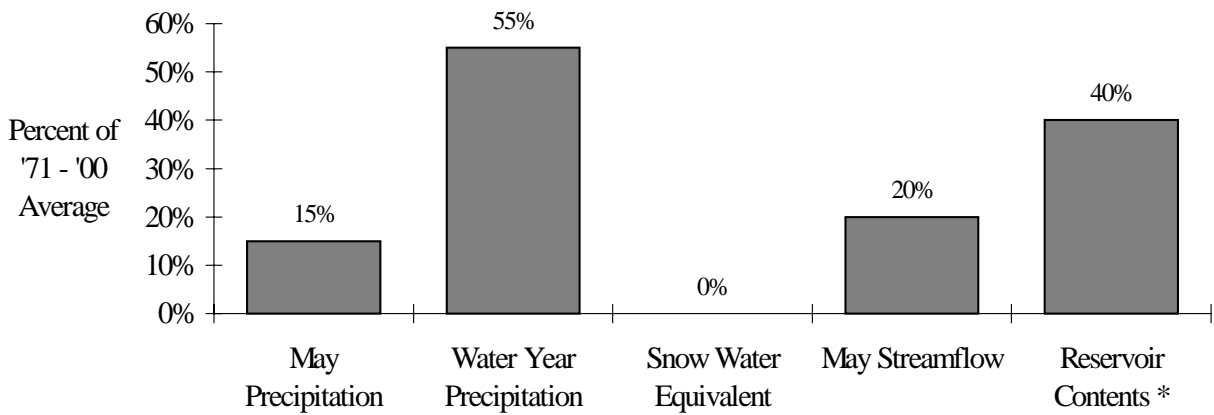
The June 1 water supply outlook is for much below average April-July runoff volumes in the Sevier Lake Basin.

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

Sevier River:
Much Below Average



BASIN CONDITIONS - JUNE 1, 2002



* 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	46	40	53	42
	WOODRUFF NARROWS RES	60	40	86	42
	RANDOLPH, NR	44	38	94	3.5
	MONTPELIER, NR, STEWART DAM,	70	24	150	8.6
BIG CK	RANDOLPH, NR	1.5	39	5.1	0.1
SMITHS FORK	BORDER, NR	46	45	59	36
THOMAS FORK	* WYOMING-IDAHO STATE LINE, NR	MB			
MONTPELIER CK	* MONTPELIER, NR, IRRIGATORS WI	MB			
CUB	* PRESTON, NR	MB			
LOGAN	LOGAN, NR, STATE DAM, ABV	51	42	56	46
BLACKSMITH FORK	HYRUM, NR, UP&L DAM, ABV	19	36	18.6	15.4
SMITH AND MOREHOUSE CK	OAKLEY, NR	10	33	16.1	3.9
WEBER	OAKLEY, NR	65	53	81	49
	ROCKPORT RES, WANSHIP, NR	72	52	92	55
	COALVILLE, NR	65	48	87	43
	ECHO RES, ECHO, AT	80	44	125	40
	GATEWAY	165	46	250	85
CHALK CK	COALVILLE	18	40	32	5
LOST CK	LOST CK RES, CROYDON, NR	8.4	50	15	1.34
EAST CANYON CK	EAST CANYON RES, MORGAN, NR	17	55	27	8.4
SF OGDEN	HUNTSVILLE, NR	35	55	47	24
OGDEN	PINEVIEW RES, OGDEN, NR	78	59	109	47
WHEELER CK	HUNTSVILLE, NR	2.8	45	4.4	1.18
SPANISH FORK	CASTILLA, NR	28	36	64	7.6
PROVO	WOODLAND, NR	57	55	75	39
	HAILSTONE, NR	59	54	85	33
	DEER CK RES	64	51	91	37
AMERICAN FORK	AMERICAN FORK, NR, UP PWRPLN	15	47	19.4	10.6
JORDAN	UTAH LAKE, PROVO, NR	127	39	205	51
LITTLE COTTONWOOD CK	SALT LAKE CITY, NR	33	82	37	29
BIG COTTONWOOD CK	SALT LAKE CITY, NR	28	74	35	23
CITY CK	SALT LAKE CITY, NR	5.2	60	8.1	2.3
EMIGRATION CK	SALT LAKE CITY, NR	3.2	71	5.3	1.01
MILL CK	SALT LAKE CITY, NR	4.9	70	6.8	3
DELL FK	LITTLE DELL RES	4.9	72	6.4	3.5
PARLEYS CK	SALT LAKE CITY, NR	11.4	68	16.6	6.2
VERNON CK	VERNON, NR	0.3	22	0.5	0.17
S WILLOW CK	GRANTSVILLE, NR	0.6	19	2.4	0.03
SETTLEMENT CK	TOOELE, NR	0.5	22	0.62	0.41

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

Stream	Station	Most Probable	Percent Avg.	Reas. Max	Reas. Min
SEVIER	HATCH	12	22	28	6
	KINGSTON, NR	16	18	47	8
	PIUTE RES, MARYSVALE, NR	22	17	79	5.8
	VERMILLION DAM	27	16	98	15
	SIGURD, NR	27	15	122	14
	GUNNISON, NR, SAN PITCH, BLO	36	13	255	18
EF SEVIER	KINGSTON, NR	7.5	20	26	2.2
CLEAR CK	SEVIER, NR, DIV, ABV	4.8	22	12.8	2.4
SALINA CK	* SALINA	MB			
CHICKEN CK	LEVAN, NR	0.53	11	1	
OAK CK	OAK CITY, NR, LITTLE CK, ABV	0.4	22	0.52	0.31
BEAVER	BEAVER, NR	4.8	18	6.8	3.8
	MINERSVILLE RES, MINERSVILLE,	3	18	3.3	2.8
COAL CK	CEDAR CITY, NR	2.6	13	4.8	1.1

* 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 average (greater than 130 percent of average)

AA - above average (111- 130 percent of average)

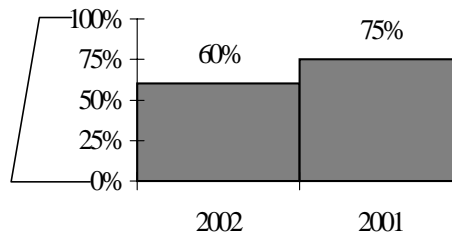
NA - near average (90-110 percent of average)

BA - below average (70-89 percent of average)

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

END OF MONTH RESERVOIR CONTENTS

Percent of Usable Capacity

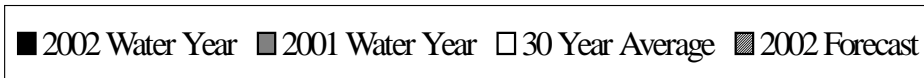


RESERVOIR (vol. in 1000 ac-ft)	Usable Capacity	EOM Usable Contents	Percent Usable Capacity (%)
Bear Lake	1421	627	44
Causey	7.1	7.1	99
Jordanelle	311	268.6	86
Deer Creek	149.7	103.1	69
East Canyon	49.5	37.7	76
Echo	73.9	51.9	70
Gunnison	20.3	3	15
Hyrum	15.3	15.1	99
Lost Creek	22.5	12.3	55
Minersville	23.3	missing	missing
Otter Creek	52.5	25.4	48
Pine View	110.1	108.8	99
Piute	71.8	35.6	50
Rockport	60.9	38.5	63
Sevier bridge	236	96.3	41
* Utah Lake	870.9	633.6	73
Willard	215	149.4	69
Woodruff Narrows	55.8	missing	missing
TOTAL	3687.5	2213.4	60
Flaming Gorge	3749	2770.7	74
Lake Powell	24322	16536	68
Moon Lake	36	12.4	35
Red Fleet	25.7	17.7	69
Scofield	65.8	33.6	51
Starvation	165.3	150.4	91
Steinaker	34.4	13.3	39
Strawberry	1105.9	905.1	82
Upper Stillwater	32.5	16.8	52

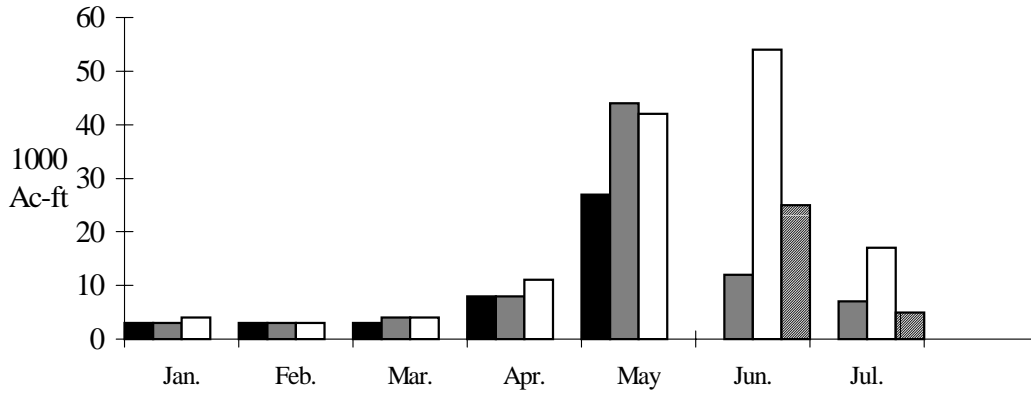
* Usable capacity taken at compromise Total does not include missing site usable capacities

MONTHLY STREAMFLOWS

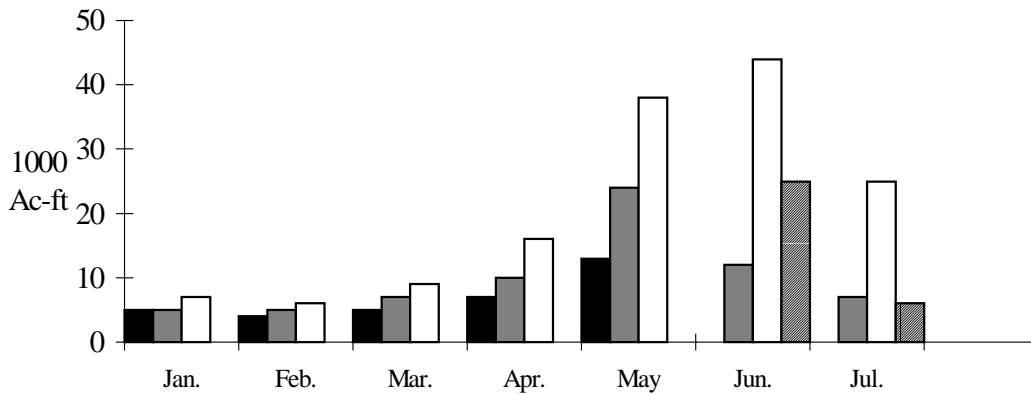
†



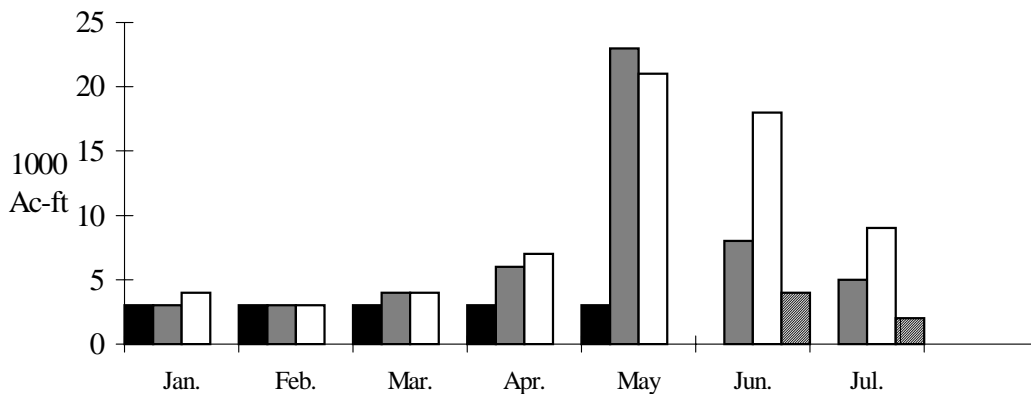
Weber Oakley, nr:



Logan - Logan, nr, State Dam, abv:



Sevier - Hatch:

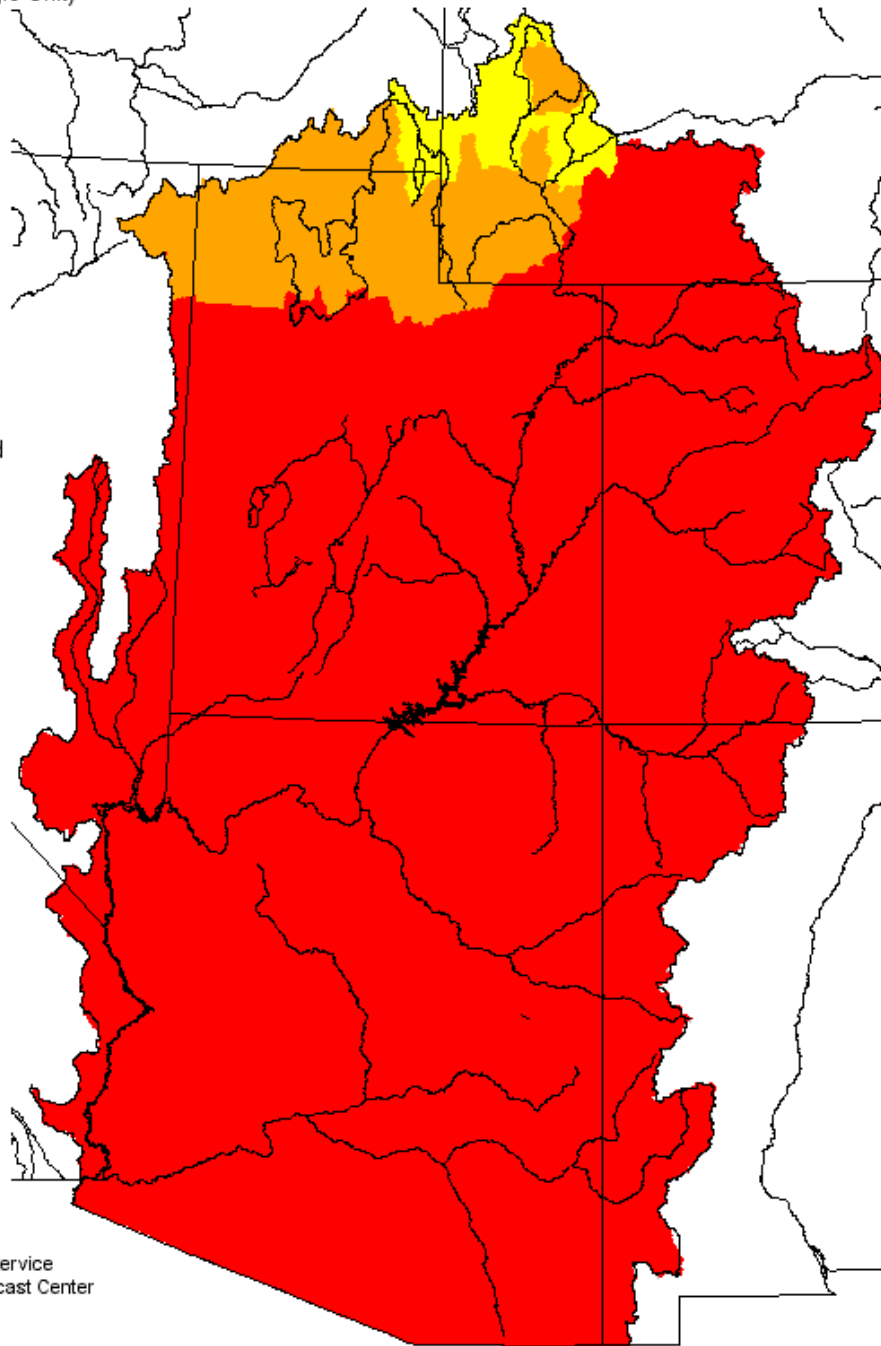
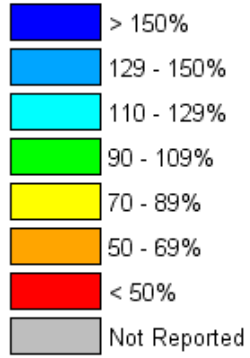


* observed data unavailable

Monthly Precipitation for May 2002

(Averaged by Hydrologic Unit)

% Average

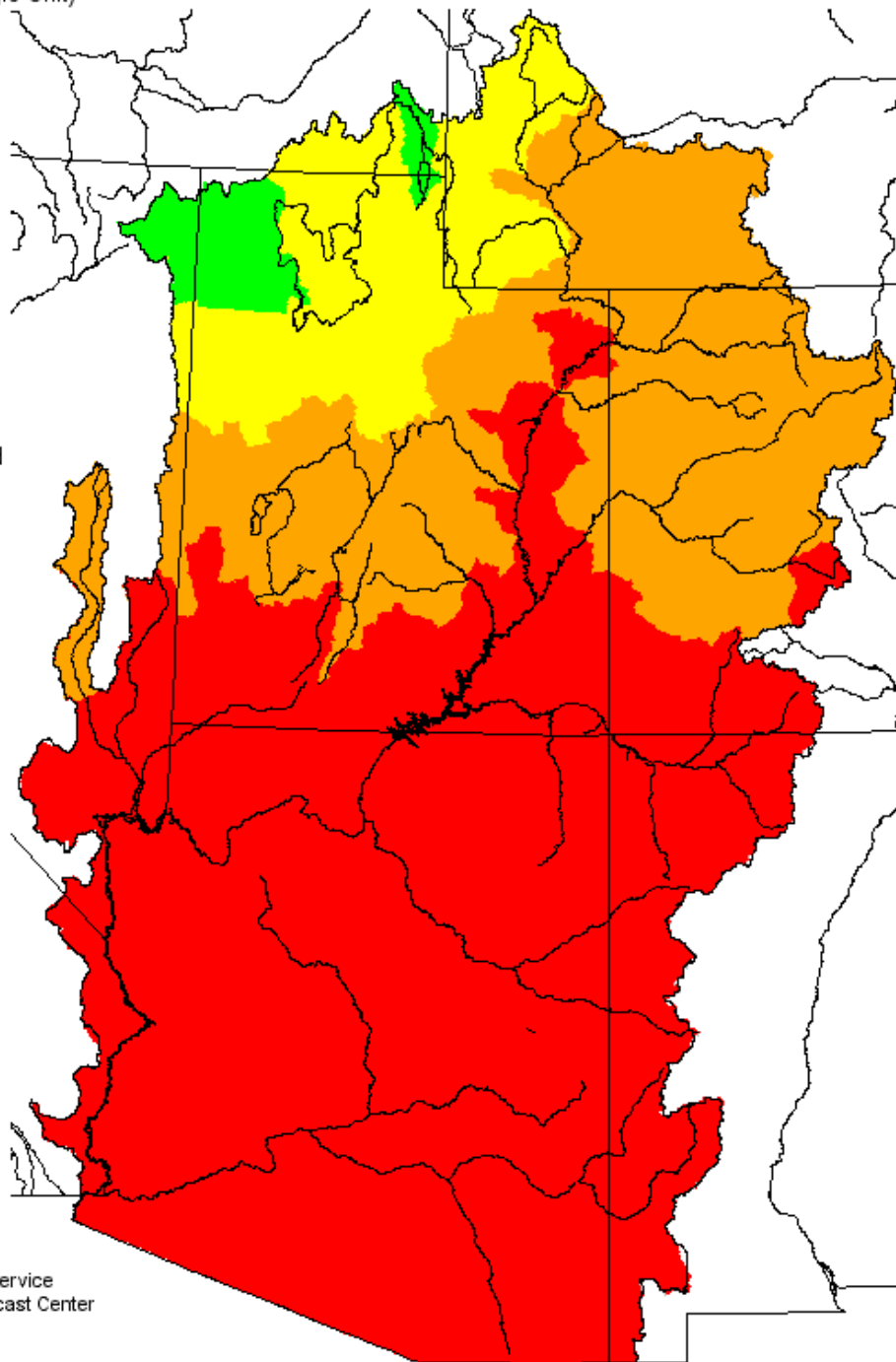
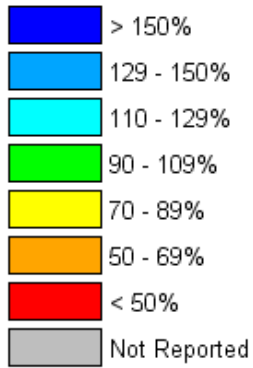


Prepared by
NOAA, National Weather Service
Colorado Basin River Forecast Center
Salt Lake City, Utah
www.cbrfc.noaa.gov

Seasonal Precipitation, October 2001 - May 2002

(Averaged by Hydrologic Unit)

% Average



Prepared by
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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>