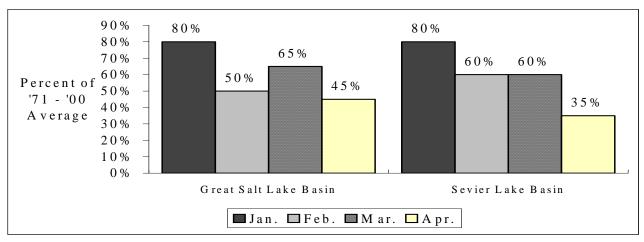


## APRIL 1, 2007

## SUMMARY

March brought an early spring melt to Utah this year with departure from normal temperature ranging from 4-6 degrees above average with several days of +15 degrees. Utah's already low snow pack suffered an early melt and is now ranked in the top 3 lowest years on record at most locations. Stream flows on the upper Provo ran 191% of average for March. Consequently the volume forecast for April through July dropped considerably and now range from 13% to 68% of average due to the depleted snow packs. Median forecast are now 40% and look to set new record lows if conditions persist.



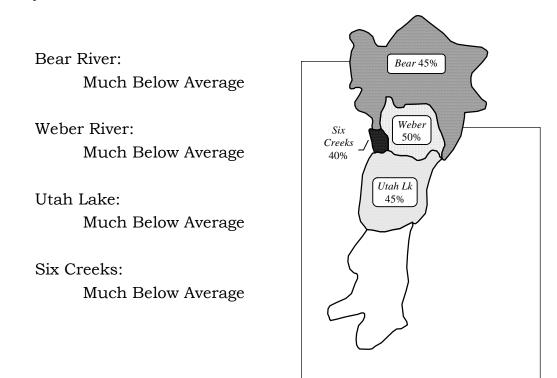
## **APRIL - JULY VOLUME FORECASTS**

	INSIDE
Summary	1
Great Salt Lake Basin	2
Sevier Basin	3
Specific Site Forecasts	4,5
EOM Reservoir Contents	6
Monthly Streamflows	7
Precipitation Maps	8,9
Additional Information	10

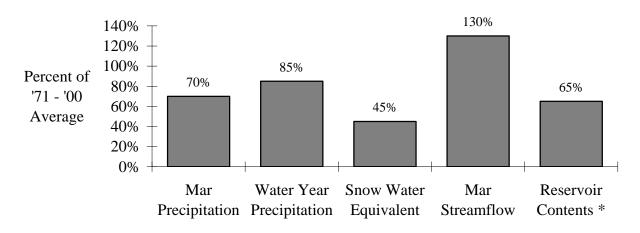
### GREAT SALT LAKE BASIN

Flows during March were in the 10% exceedance range due record warm temperatures. The melt only slowed for 2-3 days during a cool weather event. Monthly precipitation was 70% of average and seasonal precipitation numbers dropped to 85% of average. The northern snow pack is now 48% of average and virtually gone below 8500 feet. Given the low snow and warm temperatures, volumetric water forecasts dropped and now range from 26% to 68% of average.

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



### BASIN CONDITIONS - MARCH 1, 2007



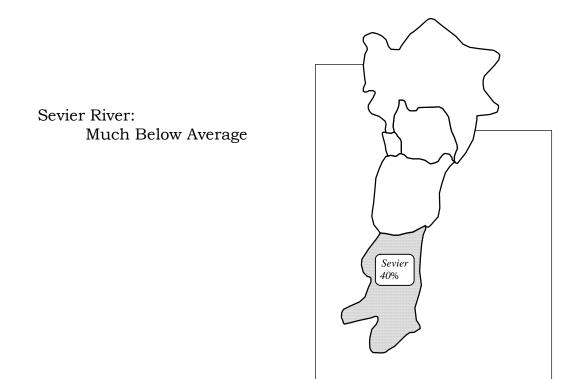
\* Percent usable capacity, not percent average contents.

Specific site forecasts are listed beginning on page 4.

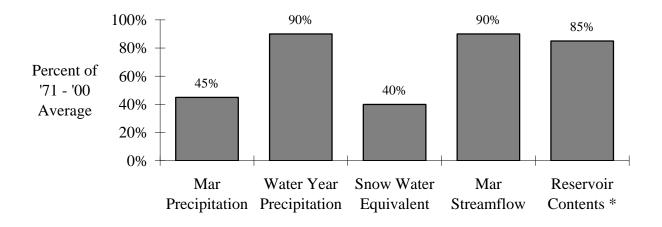
## Sevier Lake Basin

Severe snow losses occurred in March due to record warm temperatures. Snow is currently 43% of average and flows barely made normal levels. This suggest that the mid and low elevation snow was already very low and went straight to the soil or evaporation. Forecast for spring 2007 range from 13% at Minersville Res. To 55% at Vermillion Dam. If the warm weather continues it is very possible that 2007 will set new record low runoff numbers for Southern Utah.

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



BASIN CONDITIONS - FEBRUARY 1, 2007



\* 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	Percent		
		Probable	Avg.	Max	Min
BEAR	UTAH-WYOMING STATE LINE, NR	77	68	101	56
	WOODRUFF NARROWS RES	64	47	114	28
BIGCK	RANDOLPH, NR	1.79	37	4.3	0.35
SMITHS FORK	BORDER, NR	64	62	86	44
BEAR	MONTPELIER, NR, STEWART DAM, B	75	32	118	42
LOGAN	LOGAN, NR, STATE DAM, ABV	53	42	86	28
BLACKSMITH FORK	HYRUM, NR, UP&L DAM, ABV	23	48	37	12
SMITH AND MOREHOUSE CK	OAKLEY, NR	23	68	29	16.7
WEBER	OAKLEY, NR	80	65	106	54
	ROCKPORT RES, WANSHIP, NR	86	64	135	37
CHALK CK	COALVILLE	22	49	39	9.6
WEBER	COALVILLE, NR	74	54	87	62
	ECHO RES, ECHO, AT	95	53	144	46
LOST CK	LOST CK RES, CROYDON, NR	5.9	34	10.9	2.4
EAST CANYON CK	EAST CANYON RES, MORGAN, NR	14	45	24	6.9
WEBER	GATEWAY	158	45	191	125
SF OGDEN	HUNTSVILLE, NR	19	30	32	9.6
OGDEN	PINEVIEW RES, OGDEN, NR	40	30	73	7
WHEELER CK	HUNTSVILLE, NR	1.8	29	3.2	0.78
SPANISH FORK	CASTILLA, NR	23	30	53	5.4
PROVO	WOODLAND, NR	53	51	76	34
	HAILSTONE, NR	54	50	69	41
	DEER CK RES	60	48	109	11
AMERICAN FORK	AMERICAN FORK, NR, UP PWRPLNT,	14.2	44	24	7.2
JORDAN	UTAH LAKE, PROVO, NR	103	32	235	53
LITTLE COTTONWOOD CK	SALT LAKE CITY, NR	22	55	30	14.9
BIG COTTONWOOD CK	SALT LAKE CITY, NR	21	55	30	13.6
СІТҮ СК	SALT LAKE CITY, NR	3.2	37	5.7	1.4
EMIGRATION CK	SALT LAKE CITY, NR	1.17	26	3.1	0.15
MILL CK	SALT LAKE CITY, NR	2.8	40	4.8	1.32
DELL FK	LITTLE DELL RES	2.1	31	4.6	0.57
PARLEYS CK	SALT LAKE CITY, NR	5.4	32	11	1.8
VERNON CK	VERNON, NR	0.56	38	1.15	0.18
S WILLOW CK	GRANTSVILLE, NR	2	62	3	1.19
SETTLEMENT CK	TOOELE, NR	0.69	33	1.34	0.25

For more detailed information about each forecast visit www.wrh.noaa.gov/cbrfc/westernwater

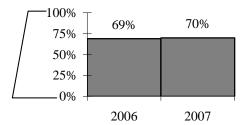
Stream	Station	Most	Percent	Reas.	Reas.
		Probable	Avg.	Max	Min
SEVIER	HATCH	20	36	31	11.4
	KINGSTON, NR	46	52	68	28
EF SEVIER	KINGSTON, NR	14.2	37	29	4.6
CLEAR CK	SEVIER, NR, DIV, ABV	7.8	35	12.2	5
SEVIER	PIUTE RES, MARYSVALE, NR	52	41	104	18
	VERMILLION DAM	95	55	144	44
	SIGURD, NR	91	49	163	20
	GUNNISON, NR, SAN PITCH, BLO	116	41	300	85
SALINA CK	SALINA	4.8	24	14.9	0.3
CHICKEN CK	LEVAN, NR	1.1	24	3.1	0.11
OAK CK	OAK CITY, NR, LITTLE CK, ABV	0.44	27	0.93	0.13
BEAVER	BEAVER, NR	9.1	34	16.1	4.1
	MINERSVILLE RES, MINERSVILLE,	2.1	13	7.6	0.2
COAL CK	Re CEDAR CITY, NR	7	36	13.1	4.4

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

For more detailed information about each forecast visit www.wrh.noaa.gov/cbrfc/westernwater

# END OF MONTH RESERVOIR CONTENTS

### Percent of Usable Capacity



RESERVOIR	Usable	EOM Usable	Percent Usable
(vol. in 1000 ac-ft)	Capacity	Contents	Capacity (%)
Bear Lake	1302	490.3	38
Causey	7.1	3.4	48
Jordanelle	311	244.2	79
Deer Creek	149.7	145.1	97
East Canyon	49.5	45.8	93
Echo	73.9	60.6	82
Gunnison	20.3	16.9	83
Hyrum	15.3	15.4	101
Lost Creek	22.5	18	80
Minersville	23.3	15.1	65
Otter Creek	52.5	45.7	87
Pine View	110.1	82.2	75
Piute	71.8	66.1	92
Rockport	60.9	52.4	86
Sevier bridge	236	205.3	87
* Utah Lake	870.9	922	106
Willard	215	78.4	36
Woodruff Narrows	55.8	57.3	103
TOTAL	3647.6	2564.2	70
Flaming Gorge	3749	3167.2	84
Lake Powell	24322	11637	48
Moon Lake	3749	3167.2	84
Red Fleet	36	24.2	67
Scofield	25.7	20	78
Starvation	65.8	41.3	63
Steinaker	165.3	161.4	98
Strawberry	34.4	27.4	80
Upper Stillwater	1105.9	931.9	84

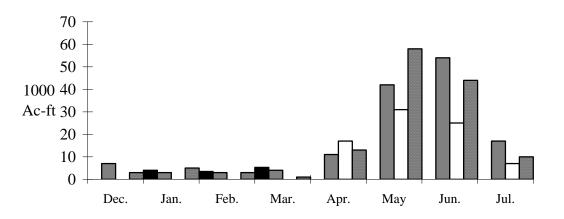
\* Usable capacity taken at compromise Total does not include missing site usable capacities

Colorado Basin River Forecast Center - National Weather Service

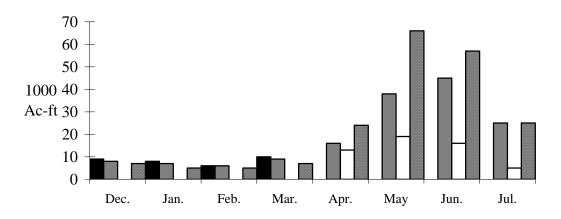
## MONTHLY STREAMFLOWS

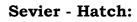
■ 2007 Water Year ■ 2006 Water Year □ 30 Year Average ■ 2007 Forecast

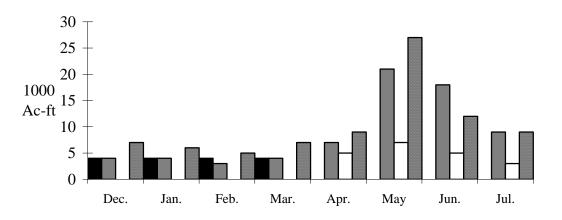
### Weber Oakley, nr:



Logan - Logan, nr, State Dam, abv:

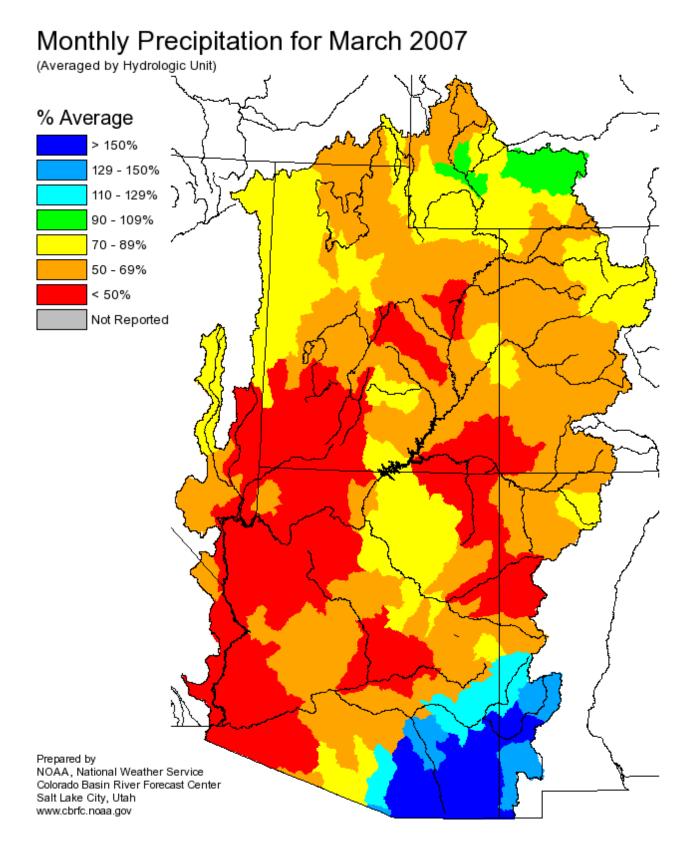


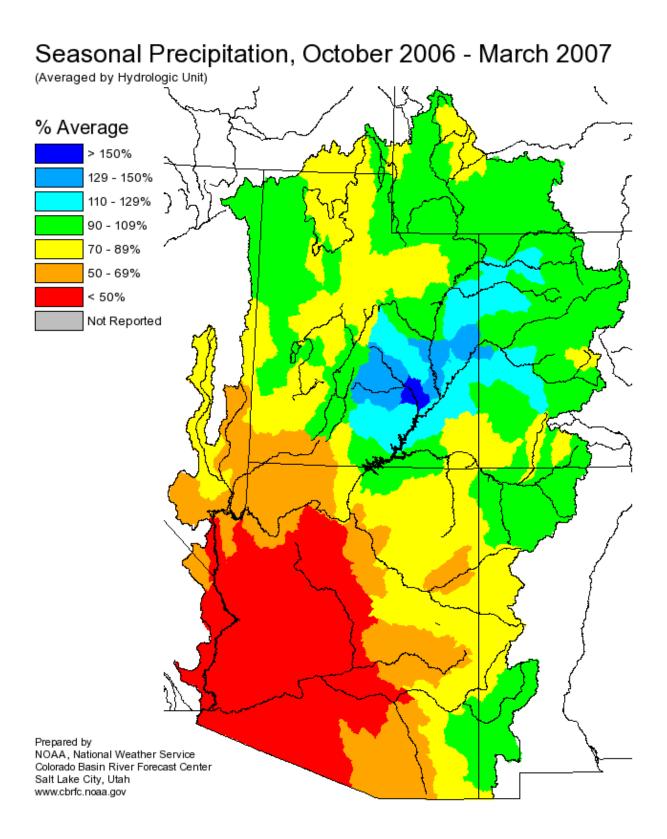




\* observed data unavailable

Colorado Basin River Forecast Center - National Weather Service





### 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:

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