

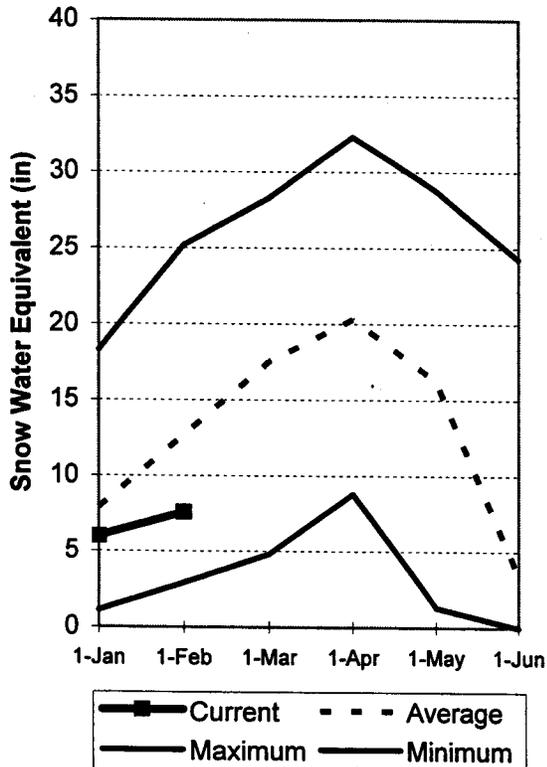
# Bear River Basin

Feb 1, 2003

Snowpacks on the Bear River Basin are much below average at 60% of normal, about 69% of last year and down 16% relative to last month. There is about a 3% chance of getting back to average by April 1. Specific sites range from 31% to 82% of normal. This could be the sixth consecutive below normal April 1 snowpack for this watershed. Soil moisture conditions are somewhat improved from last year and may offer higher runoff efficiency. January precipitation was much below average at 49%, which brings the seasonal accumulation (Oct-Jan) to 69% of average. Forecast streamflows are for much below normal volumes this spring. Reservoir storage is at 25% of capacity. Water supply conditions are much below normal due to low snowpack and low reservoir storage.

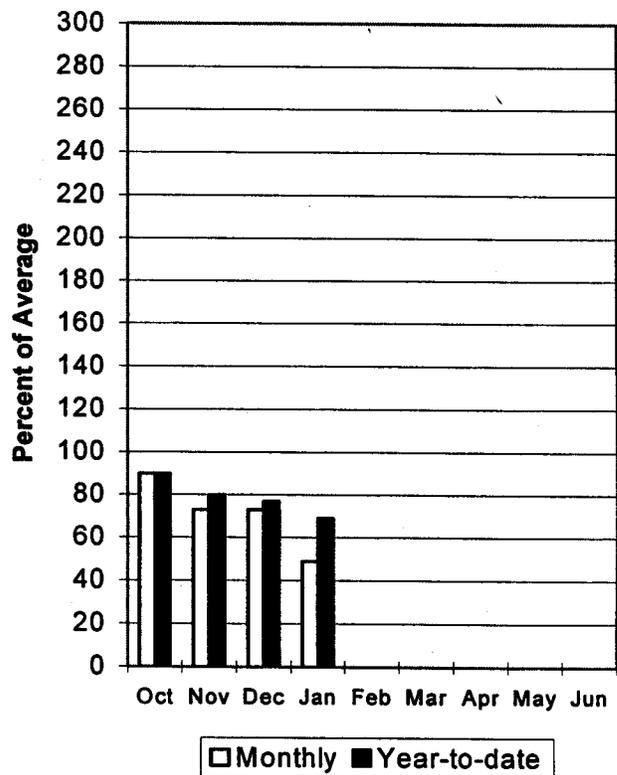
## Bear River Snowpack

2/1/2003



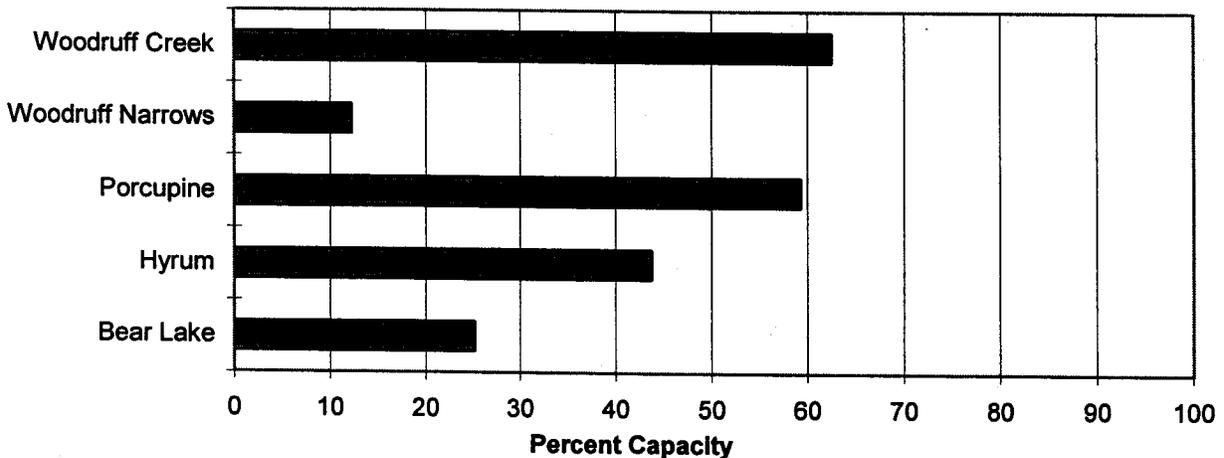
## Bear River Precipitation

2/1/2003



## Reservoir Storage

2/1/2003



**BEAR RIVER BASIN**  
Streamflow Forecasts - February 1, 2003

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<----- Drier ----->>		----->>		----->>		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding *		30% (1000AF)	10% (1000AF)	
		50% (Most Probable) (1000AF)	(% AVG.)					
Bear R nr UT-WY State Line	APR-JUL	51	61	70	60	80	97	116
Woodruff Narrows Res inflow	APR-JUL	25	40	53	39	67	91	136
Big Creek nr Randolph	APR-JUL	0.49	1.45	2.10	43	3.62	5.90	4.90
Smiths Fork nr Border	APR-JUL	38	49	58	56	69	88	103
Bear River blw Stewart Dam	APR-JUL	58	79	93	32	138	198	288
Little Bear River at Paradise	APR-JUL	10.8	14.6	18.0	39	22	30	46
Logan River nr Logan	APR-JUL	43	56	67	55	80	102	122
Blacksmith Fork nr Hyrum	APR-JUL	16.2	21	25	52	30	39	48

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of January					BEAR RIVER BASIN Watershed Snowpack Analysis - February 1, 2003			
Reservoir	Usable Capacity	*** This Year	Usable Storage Last Year	*** Avg	Watershed	Number of Data Sites	This Year as % of Last Yr	% of Average
BEAR LAKE	1421.0	358.2	582.7	906.1	BEAR RIVER, UPPER (abv Ha	6	79	62
HYRUM	15.3	6.7	10.0	10.4	BEAR RIVER, LOWER (blw Ha	8	65	59
PORCUPINE	11.3	6.7	10.5	4.4	LOGAN RIVER	4	63	56
WOODRUFF NARROWS	57.3	7.0	4.0	25.2	RAFT RIVER	1	38	51
WOODRUFF CREEK	4.0	2.5	3.0	---	BEAR RIVER BASIN	14	70	60

\* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.