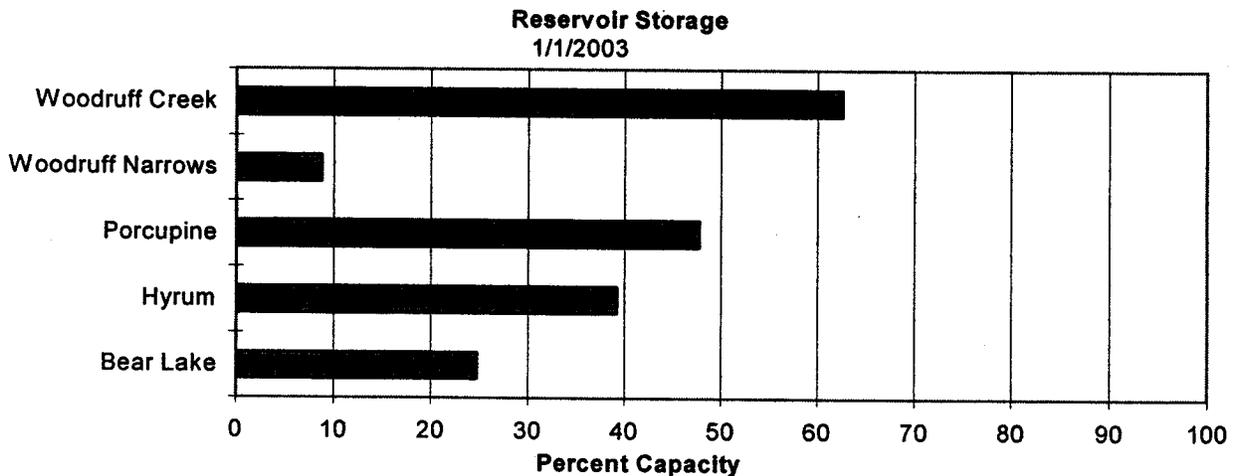
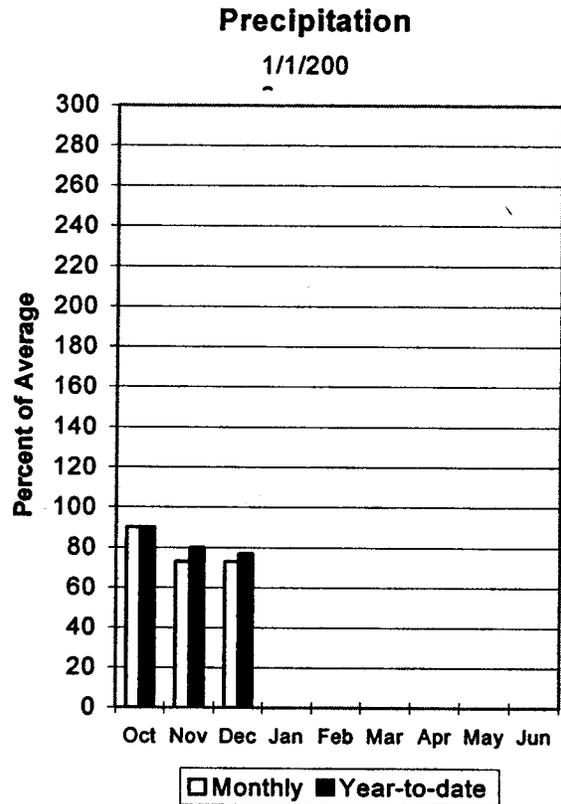
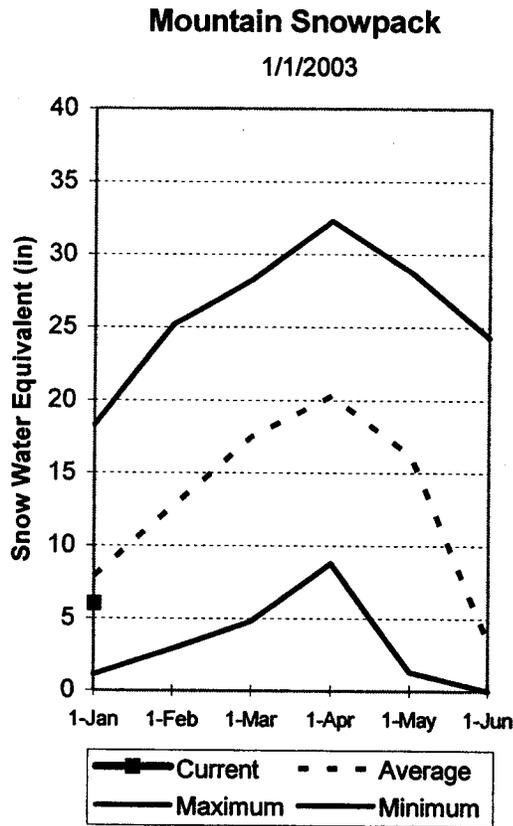


## Bear River Basin Jan 1, 2003

Snowpacks on the Bear River Basin are below average at 76% of normal, about 74% of last year. Specific sites range from 63% to 103% 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. December precipitation was below average at 73%, which brings the seasonal accumulation (Oct-Dec) to 77% of average. Forecast streamflows are for below normal volumes this spring. Reservoir storage is at 25% of capacity, 15% less than last year. Water supply conditions are below normal due to low snowpack and low reservoir storage.



**BEAR RIVER BASIN**  
Streamflow Forecasts - April 1, 2002

Forecast Point	Forecast Period	Future Conditions						30-Yr Avg. (1000AF)
		<<----- Drier ----->>		----->>		----->>		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * 50% (Most Probable) (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
Bear R nr UT-WY State Line	APR-JUL	40	65	71	63	78	98	113
BEAR R nr Woodruff, UT	APR-JUL	22	74	91	61	112	158	149
BIG CK nr Randolph	APR-JUL	0.35	0.84	2.30	61	3.76	5.92	3.80
BEAR R nr Randolph, UT	APR-JUL	7.0	36	62	54	88	127	115
SMITHS FK nr Border, WY	APR-JUL	31	49	55	54	62	79	102
THOMAS FK nr WY-ID State Line (Disc.)	APR-JUL			Much Below Average				33
BEAR R blw Stewart Dam nr Montpelier	APR-JUL	18.0	73	110	38	147	202	288
MONTPELIER CK nr Montpelier (Disc) (2)	APR-JUL			Much Below Average				12.2
CUB R nr Preston	APR-JUL			Much Below Average				47
L BEAR R at Paradise, UT	APR-JUL	16.2	20	23	49	27	33	47
LOGAN R nr Logan	APR-JUL	41	67	72	59	78	102	122
BLACKSMITH Fk nr Hyrum	APR-JUL	10.8	30	32	59	35	55	54

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of March					BEAR RIVER BASIN Watershed Snowpack Analysis - April 1, 2002			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEAR LAKE	1421.0	605.5	911.1	923.8	BEAR RIVER, UPPER (abv Ha	6	126	74
HYRUM	15.3	14.8	14.6	12.2	BEAR RIVER, LOWER (blw Ha	8	174	73
PORCUPINE	11.3	11.3	9.0	6.7	LOGAN RIVER	4	156	77
WOODRUFF NARROWS	57.3	9.3	---	32.7	RAFT RIVER	1	238	110
WOODRUFF CREEK	4.0	2.3	2.0	---	BEAR RIVER BASIN	14	151	74

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

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