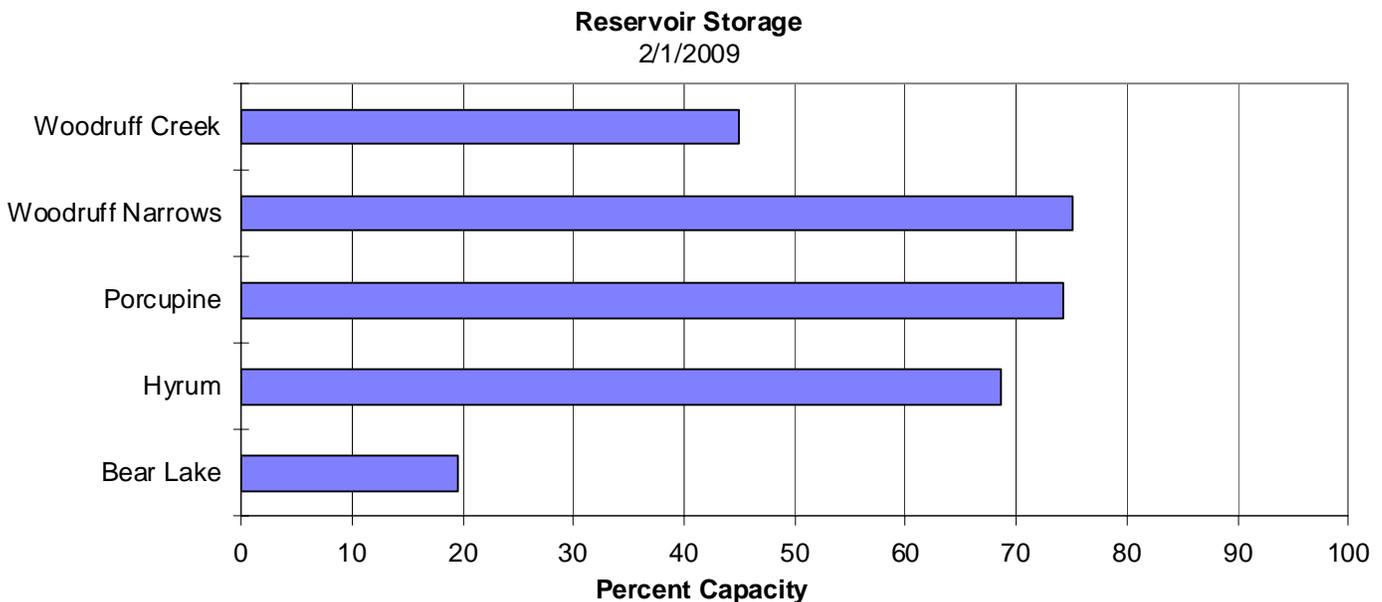
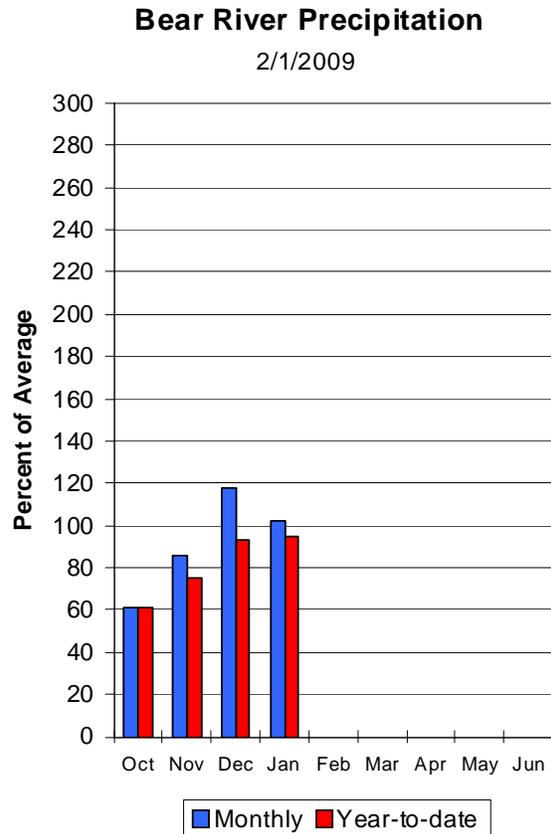
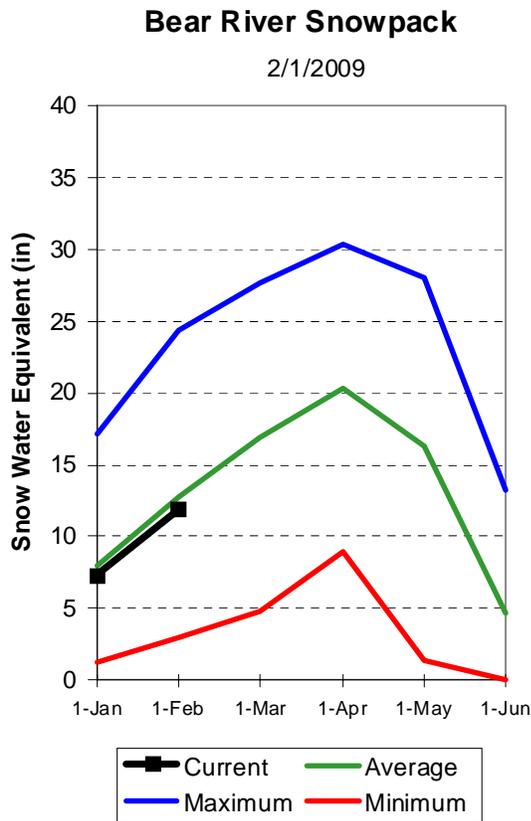


# Bear River Basin

## February 1, 2009

Snowpacks on the Bear River Basin are average at 91% of normal, about 97% of last year. Individual sites range from 108% of normal at Hayden Fork Snotel to 71% at Giveout Snotel. January precipitation was average at 102%, which brings the seasonal accumulation (Oct-Jan) to 95% of average. Soil moisture levels in runoff producing areas are at 55% of saturation in the upper 2 feet of soil compared to 53% last year. Forecast streamflows (April-July) range from much below to near average (60%-87%) volumes for this spring and summer. Reservoir storage is low at 23% of capacity, which is up 3% from this time last year. The Surface Water Supply Index is at 25% for the Bear River, in other words, 75% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage in Bear Lake.



BEAR RIVER BASIN  
Streamflow Forecasts - February 1, 2009

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>						30-Yr Avg. (1000AF)
		90%		50%		10%		
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
Bear R nr UT-WY State Line	APR-JUL	57	81	97	86	113	137	113
Bear River ab Reservoir nr Woodruff	APR-JUL	63	95	117	86	139	171	136
Big Creek nr Randolph	APR-JUL	2.30	3.40	4.20	86	5.00	6.10	4.90
Smiths Fork nr Border	APR-JUL	58	76	88	85	100	118	103
Bear River at Stewart Dam	APR-JUL	72	110	140	60	174	230	234
Little Bear at Paradise, UT	APR-JUL	14.8	30	40	87	50	65	46
Logan nr Logan, UT	APR-JUL	55	85	105	83	125	155	126
Blacksmith Fk nr Hyrum, UT	APR-JUL	15.7	30	41	85	50	64	48

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of January					BEAR RIVER BASIN Watershed Snowpack Analysis - February 1, 2009			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEAR LAKE	1302.0	254.9	237.9	---	BEAR RIVER, UPPER (abv Ha	4	96	96
HYRUM	15.3	10.5	11.1	10.4	BEAR RIVER, LOWER (blw Ha	4	94	88
PORCUPINE	11.3	8.4	6.1	4.4	LOGAN RIVER	3	96	87
WOODRUFF NARROWS	57.3	43.0	25.0	25.2	RAFT RIVER	0	0	0
WOODRUFF CREEK	4.0	1.8	3.0	---	BEAR RIVER BASIN	8	95	92

\* 90%, 70%, 50%, 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.