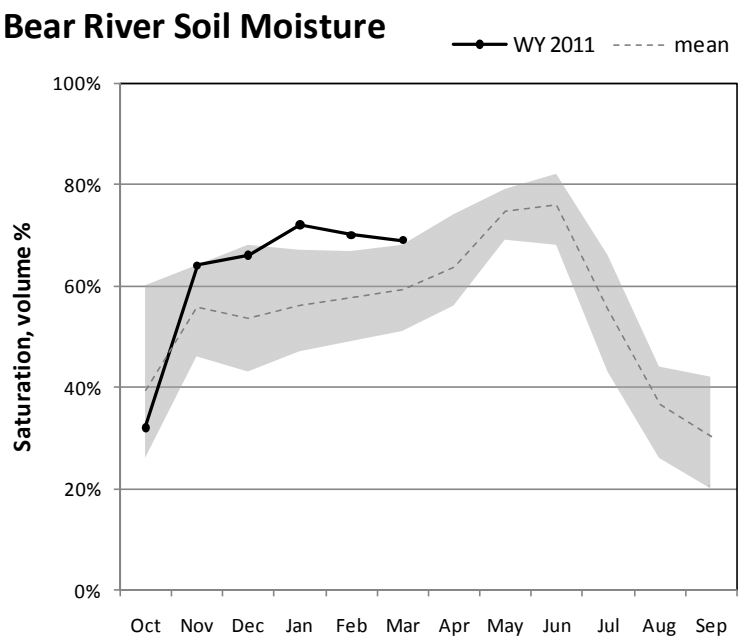
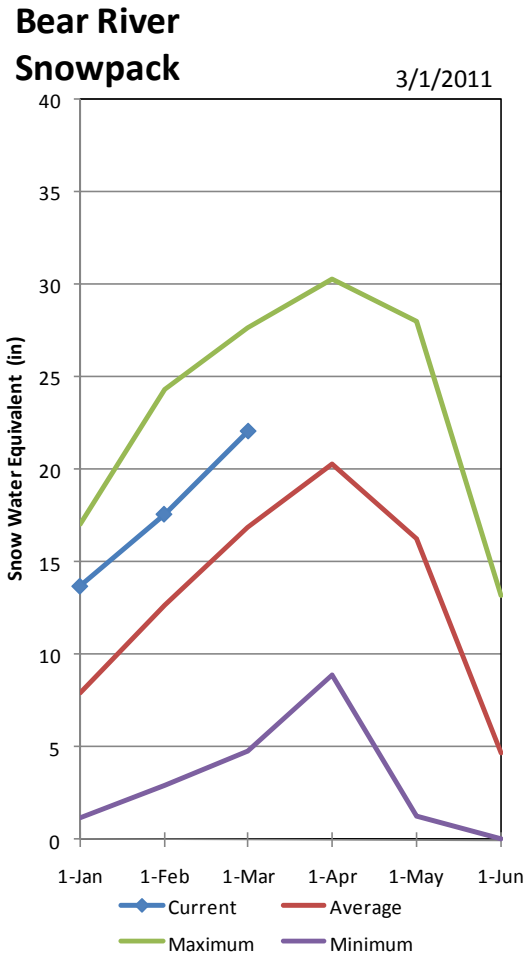
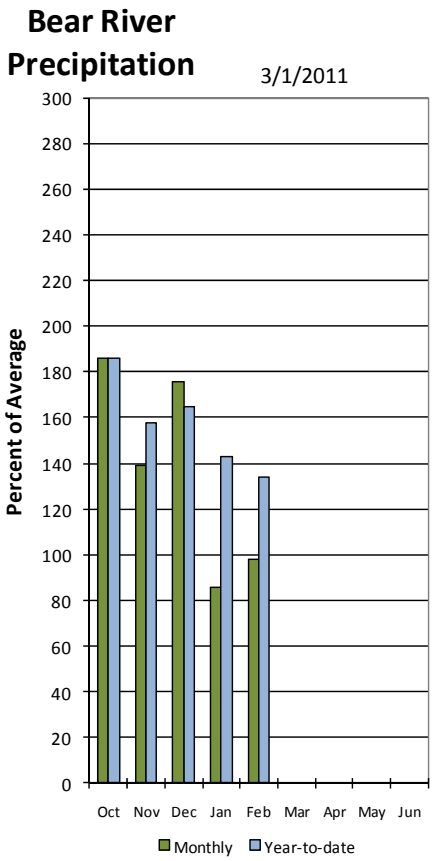
Bear River Basin
March 1, 2011

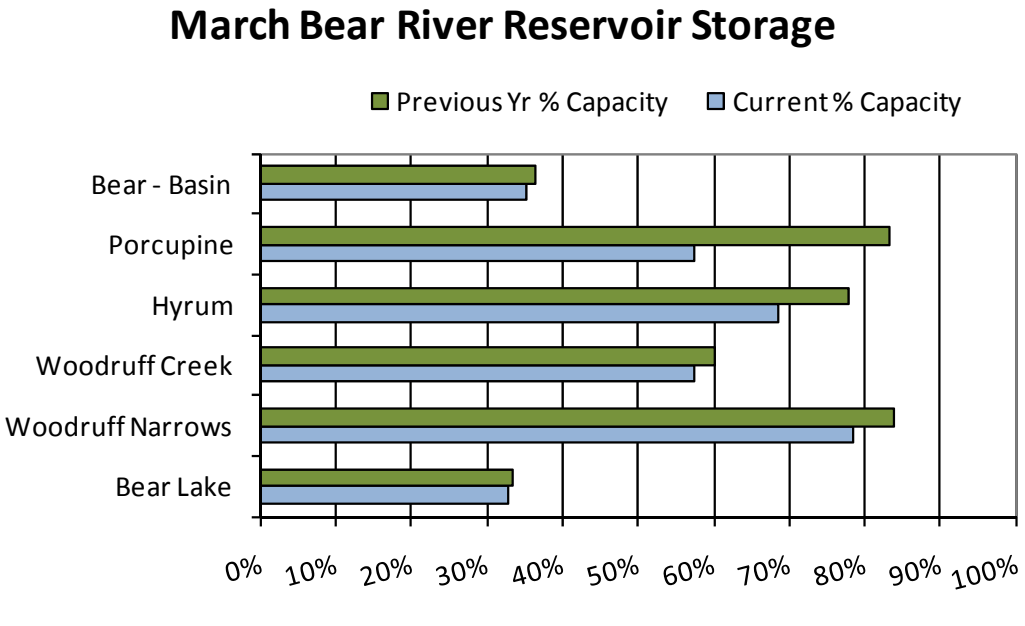
Snowpacks on the Bear River Basin are above average at 126% of normal, about 202% of last year. Individual sites range from 106% of average at Giveout Snotel to 165% at Trial Lake Snotel. February precipitation was average at 98%, which brings the seasonal accumulation (Oct-Feb) to 134% of average. Soil moisture levels in runoff producing areas are at 69% of saturation in the upper 2 feet of soil compared to 51% last year. Forecast streamflows (April-July) are much above average (126%-161%) volumes for this spring and summer. Reservoir storage is low at 35% of capacity, which is down 1% from this time last year. The Surface Water Supply Index is at 42% for the Bear River, in other words, 58% of years have had more total water available. Overall water supply conditions are average.



Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.







BEAR RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Bear R nr UT-WY State Line	APR-JUL	128	147	160	142	173	192	113
Bear R abv Resv nr Woodruff	APR-JUL	138	166	185	136	205	230	136
Big Ck nr Randolph	APR-JUL	5.60	6.80	7.60	155	8.40	9.60	4.90
Smiths Fork nr Border	APR-JUL	103	119	130	126	141	157	103
Bear R bl Stewart Dam	APR-JUL	240	310	355	152	400	470	234
L Bear at Paradise	APR-JUL	46	59	68	148	77	90	46
Logan R nr Logan	APR-JUL	136	155	168	133	181	200	126
Blacksmith Fk nr Hyrum	APR-JUL	56	70	80	167	90	104	48
Dunn Ck nr Park Valley	APR-JUL	2.60	3.70	5.00	161	6.30	7.60	3.10

* 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.
(3) - Median value used in place of average.

BEAR RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BEAR LAKE	1302.0	426.7	434.5	---
HYRUM	15.3	10.5	11.9	11.0
PORCUPINE	11.3	6.5	9.4	5.6
WOODRUFF NARROWS	57.3	45.0	48.0	27.6
WOODRUFF CREEK	4.0	2.3	2.4	---

BEAR RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
BEAR RIVER, UPPER	8	221	130
BEAR RIVER, LOWER	9	199	124
LOGAN RIVER	4	198	135
RAFT RIVER	1	127	113
BEAR RIVER BASIN	17	208	127

March 1, 2011

Surface Water Supply Index

Basin or Region	February EOM* Bear Lake	April-July Forecast below Stewart Dam	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	*KAF^*	*KAF*	*KAF*		*%*	
Bear River	**413**	**355**	**768**	**-0.63**	**42**	**56,89,96,01**

**EOM, end of month; # SWSI, Surface Water Supply Index; ^KAF, thousand acre-feet.*