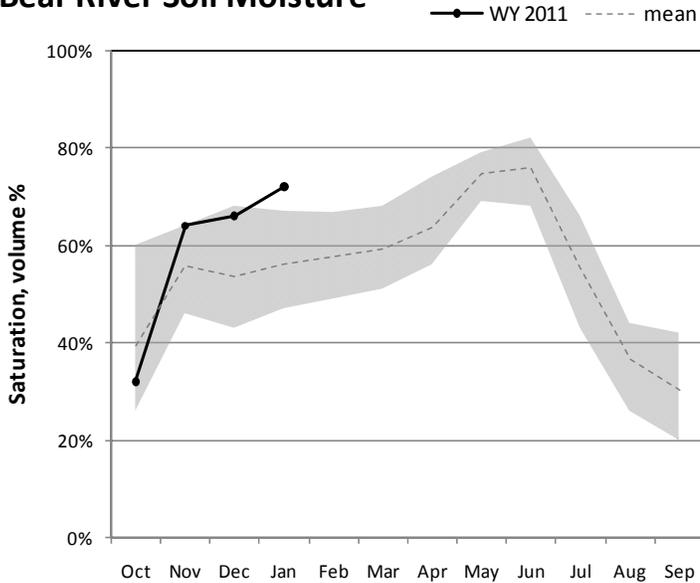


Bear River Basin

January 1, 2011

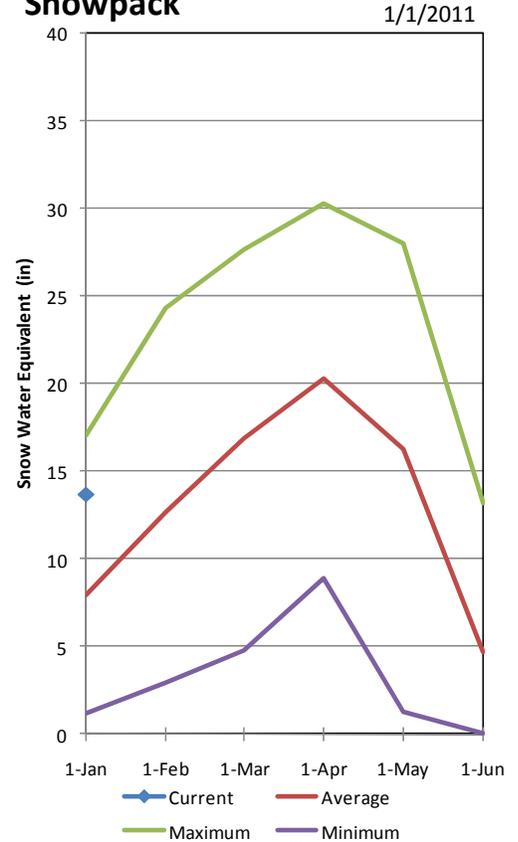
Snowpacks on the Bear River Basin are much above average at 165% of normal, and 311% of last year. Individual sites range from 208% of normal at Little Bear Lower Snotel to 132% at Slug Creek Divide Snotel. December precipitation was much above average at 176%, which brings the seasonal accumulation (Oct-Dec) to 165% of average. Soil moisture levels in runoff producing areas are at 72% of saturation in the upper 2 feet of soil compared to 47% last year. Forecast streamflows (April-July) range from much above to above average (126%-148%) volumes for this spring and summer. Bear Lake reservoir storage is low at 33% of capacity, which is down 1% from this time last year. The Surface Water Supply Index is at 39% for the Bear River Basin, in other words, 61% of years have had more total water available. Water supply conditions are below normal due to low reservoir storage in Bear Lake.

Bear River Soil Moisture

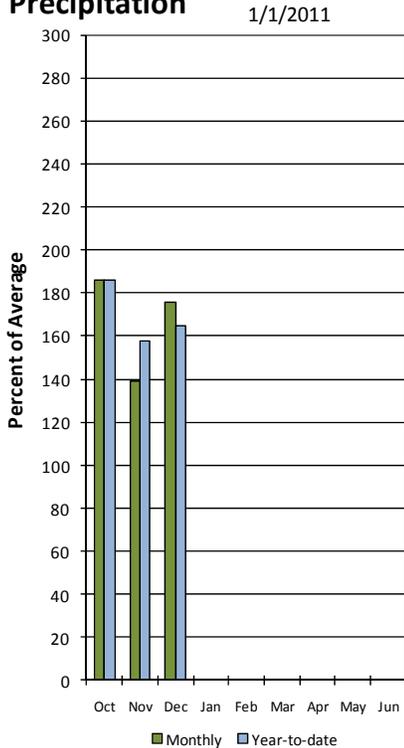


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

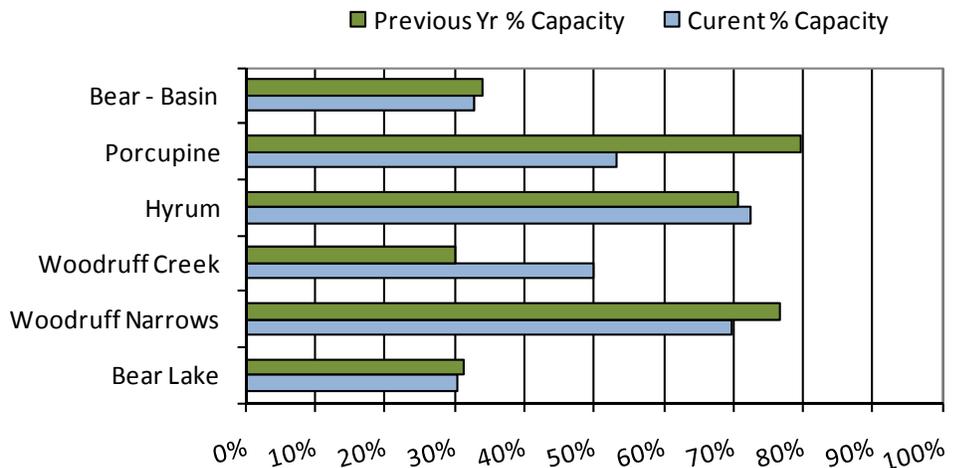
Bear River Snowpack



Bear River Precipitation



January Bear River Reservoir Storage



January 1, 2011		Surface Water Supply Index				
Basin or Region	December EOM* Bear Lake	April-July Forecast inflow to Bear Lake	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
Bear River	397	310	707	-0.88	39	39,61,89,96

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

Bear Lake Surface Water Supply Index
January

