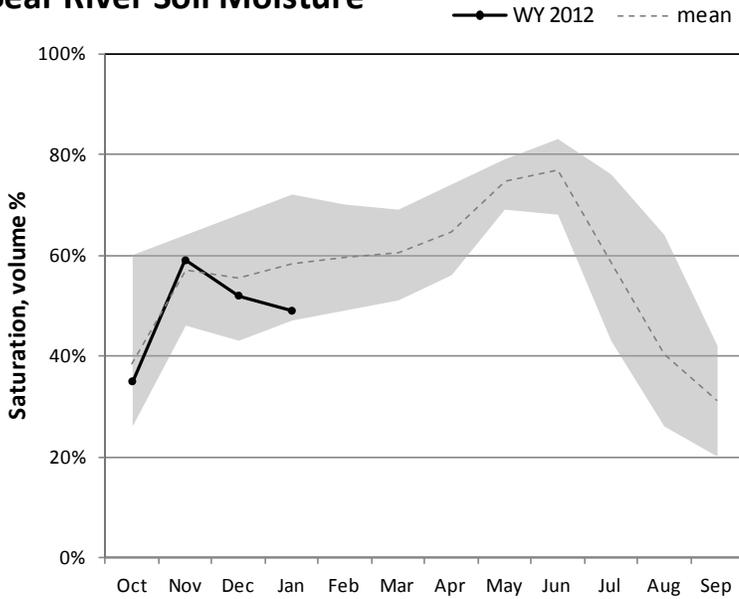


# Bear River Basin

## January 1, 2012

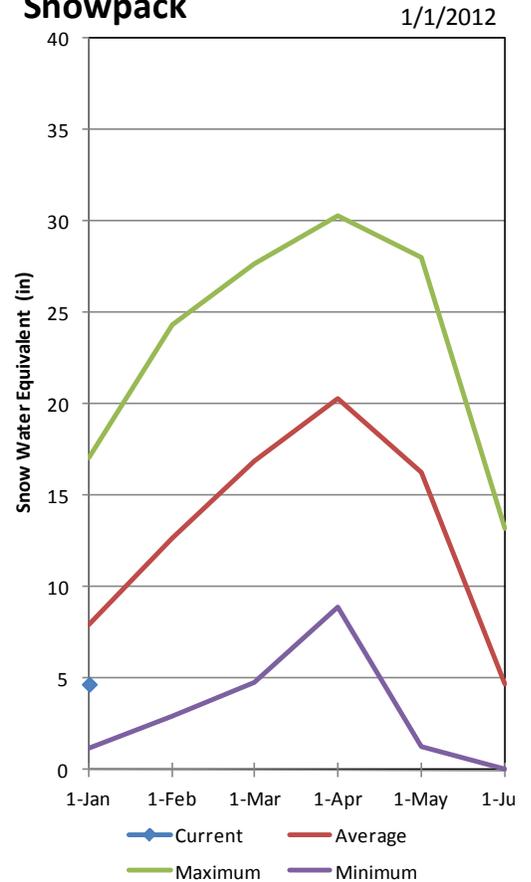
Snowpacks on the Bear River Basin are much below normal at 58% compared to 165% last year. Individual sites range from 43% of normal at Oxford Spring Snotel to 71% at Howell Canyon Snotel. December precipitation was much below average at 27%, which brings the seasonal accumulation (Oct-Dec) to 73% of average. Soil moisture levels in runoff producing areas are at 49% of saturation in the upper 2 feet of soil compared to 72% last year. Forecast streamflows (April-July) range from 56%-77% of average. Bear Lake reservoir storage is at 74% of capacity, which is 41% higher this time last year. The Surface Water Supply Index is at 66% for the Bear River Basin. Water supply conditions are above normal due to high reservoir storage in Bear Lake.

### Bear River Soil Moisture

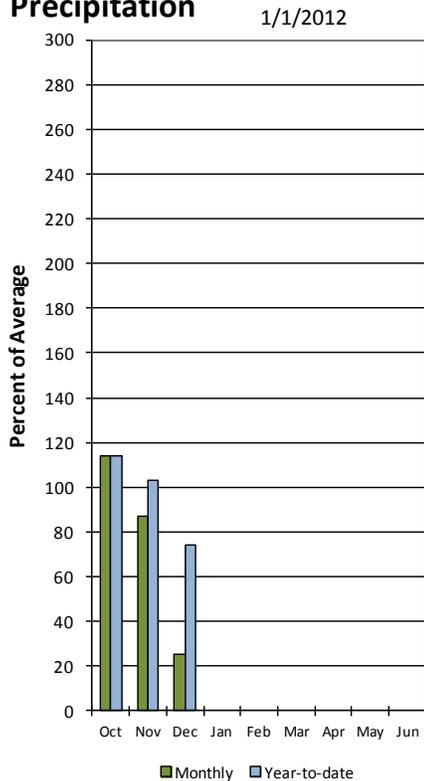


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

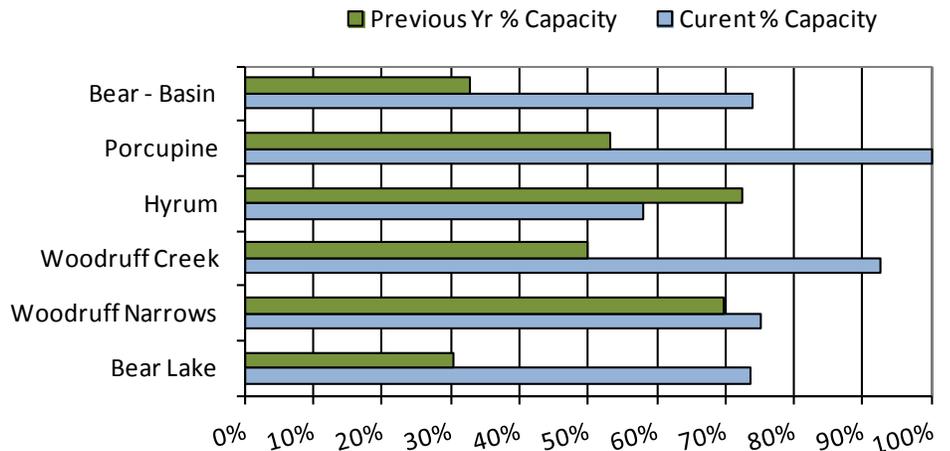
### Bear River Snowpack



### Bear River Precipitation



### January Bear River Reservoir Storage



January 1, 2012

## Surface Water Supply Index

Basin or Region	December EOM* Bear Lake	April-July Forecast below Stewart Dam	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
<b>Bear River</b>	<b>959</b>	<b>130</b>	<b>1089</b>	<b>1.33</b>	<b>66</b>	<b>82, 68, 70, 19</b>

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

Bear Lake - Surface Water Supply Index  
January

