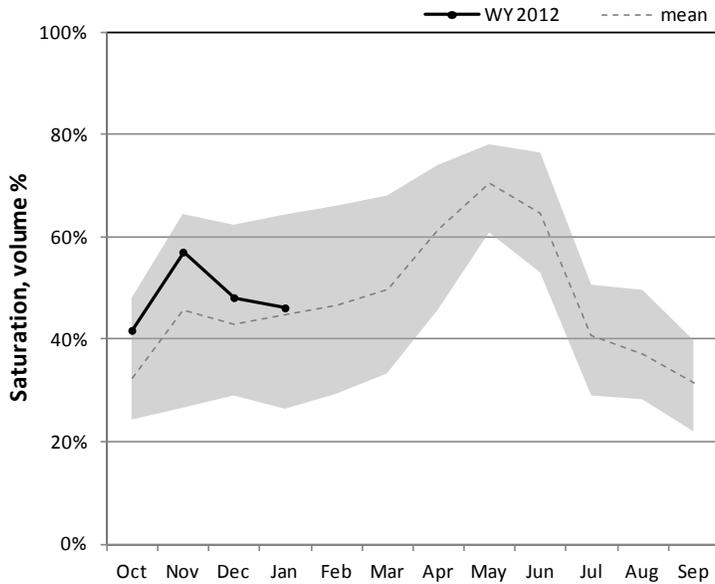


# Sevier and Beaver River Basins

## January 1, 2012

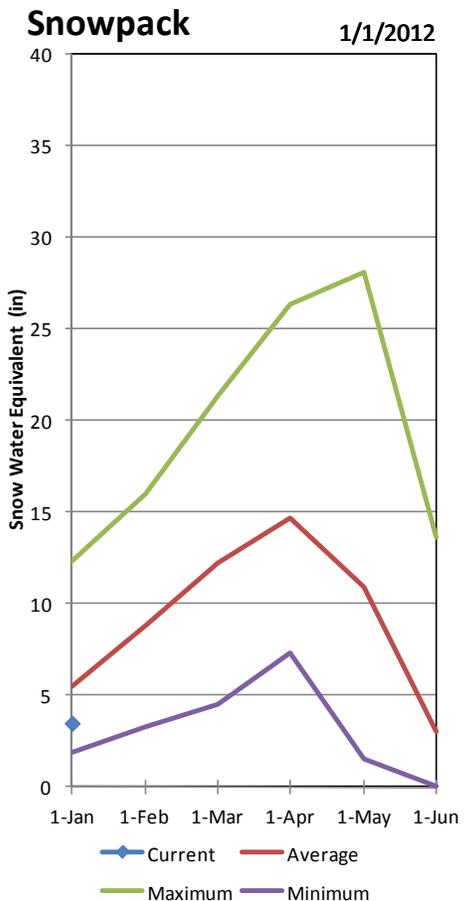
Snowpacks on the Sevier River Basin are much below normal at 63% of average, compared to 222% last year. Individual sites range from 37% at Pickle Keg Springs to 114% of average at Widtsoe. Precipitation during December was much below average at 62% of normal, bringing the seasonal accumulation (Oct-Dec) to 90% of average. Soil moisture estimates in runoff producing areas are at 46% of saturation in the upper 2 feet of soil compared to 64% last year. Streamflow forecasts range from 44% to 70% of average. Reservoir storage is at 84% of capacity, 41% more than last year. Surface Water Supply Indices are: Upper Sevier 54%, Lower Sevier 78% and Beaver 58%. Water supply conditions are near normal due to exceptional reservoir storage but poor runoff is expected.

### Sevier / Beaver River Soil Moisture

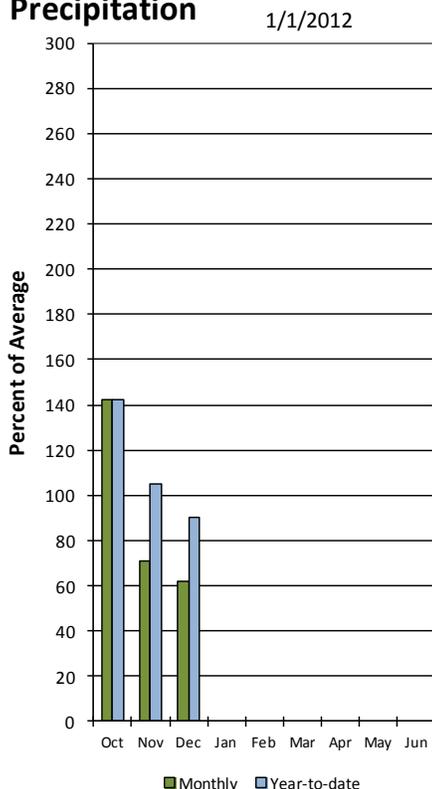


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

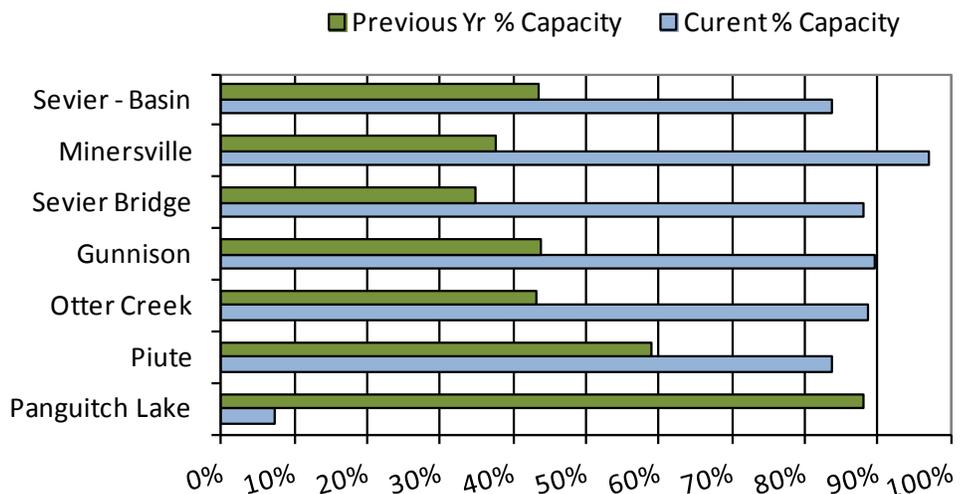
### Sevier River



### Sevier River Precipitation



### January Sevier River Reservoir Storage



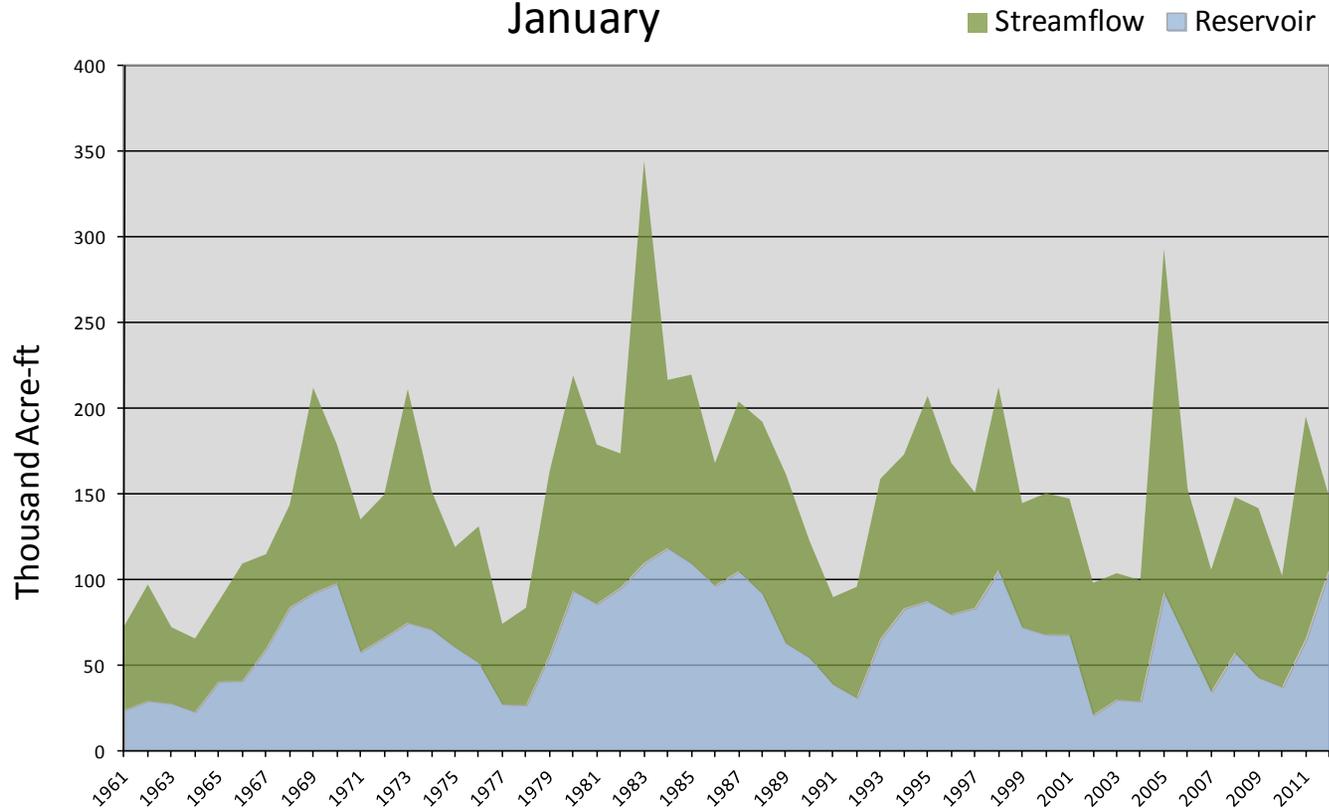
January 1, 2012

## Surface Water Supply Index

Basin or Region	December EOM* Piute & Otter Creek Reservoir	April-July Forecast Inflow to Piute Reservoir	Reservoir + Streamflow	SWSI <sup>#</sup>	Percentile	Years with similar SWSI
	KAF <sup>^</sup>	KAF	KAF		%	
<b>Upper Sevier</b>	<b>106.6</b>	<b>41</b>	<b>148</b>	<b>0.34</b>	<b>54</b>	<b>99,01,08,72</b>

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

### Upper Sevier River - Surface Water Supply Index January



January 1, 2012

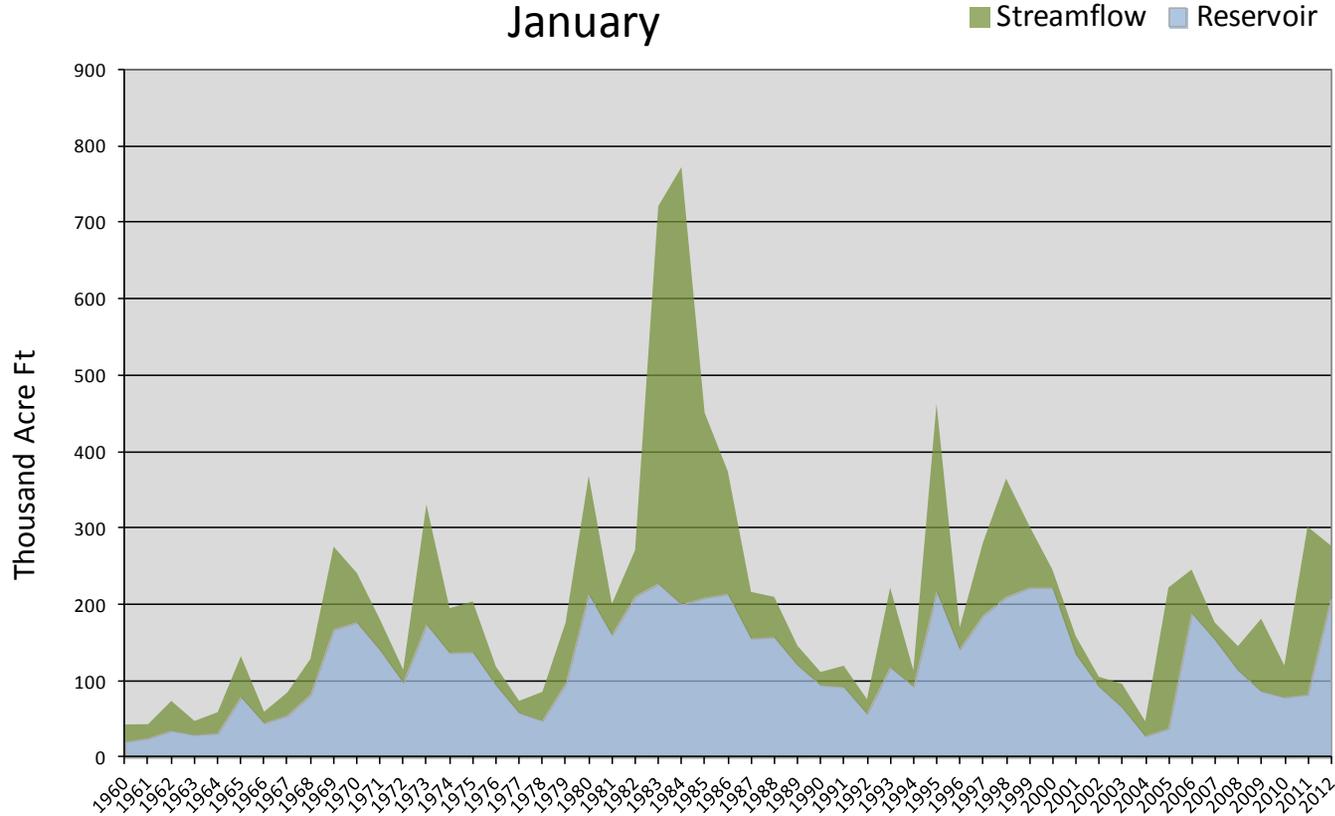
## Surface Water Supply Index

Basin or Region	December EOM* Sevier Bridge Reservoir	April-July Forecast Inflow to Sevier Bridge Reservoir	Reservoir + Streamflow	SWSI <sup>#</sup>	Percentile	Years with similar SWSI
	KAF <sup>^</sup>	KAF	KAF		%	
<b>Lower Sevier</b>	<b>207.6</b>	<b>70</b>	<b>278</b>	<b>2.31</b>	<b>78</b>	<b>82,69,97,11</b>

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

### Lower Sevier River - Surface Water Supply Index

January



January 1, 2012

## Surface Water Supply Index

Basin or Region	December EOM* Minersville Reservoir	April-July forecast Beaver River at Beaver	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
<b>Beaver</b>	<b>22.6</b>	<b>15.0</b>	<b>37.6</b>	<b>0.64</b>	<b>58</b>	<b>78,09,87,88</b>

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

