

**Twin Falls Soil & Water Conservation District  
Salmon Falls Reservoir Storage Allotment**

For this March 1 calculation, the allotment formula is based on end of February storage and March 1 - September 30 forecasts.

**Updated March 1, 2016**

**Note: Usually the March 31 storage and April 1 streamflow forecast are used for the allotment calculations.**

		Chance of Exceedance Streamflow Forecasts				
		90%	70%	50%	30%	10%
Inflow Forecast, March 1-September 30, acre-feet		71000	90000	105000	121000	146000
<b>Storage in Dam, Feb 28, acre-feet</b>	<b>26300</b>	26300	26300	26300	26300	26300
Total Storage (Inflow Forecast + Storage)		97300	116300	131300	147300	172300
Less Dead Storage in Reservoir (5000 A-F)	5000	92300	111300	126300	142300	167300
Projected Reservoir Loss of 20%	0.20	18460	22260	25260	28460	33460
In Dam, Available for Delivery		73840	89040	101040	113840	133840
<b>Projected Delivery Efficiency: 2016 50%</b>						
Past Delivery Efficiency: 2015 47.0% 2014 48.0%						
2013 53.0% 2012 58.8% 2011 63.9%	<b>0.50</b>	36920	44520	50520	56920	66920
Less Water for Callen	485	485	485	485	485	485
<b>Less Individual Storage Carryover</b>	<b>1685</b>	1685	1685	1685	1685	1685
Water to be Delivered Over the Weir		34750	42350	48350	54750	64750
Divided by Total Shares	60050.65	<b>0.579</b>	<b>0.705</b>	<b>0.805</b>	<b>0.912</b>	<b>1.078</b>
Allotment if 'Individual Storage Carryover' is not subtracted from 'In Dam, Available for Delivery'		<b>0.607</b>	<b>0.733</b>	<b>0.833</b>	<b>0.940</b>	<b>1.106</b>
Average Allotment						
1924-2006	0.761					
1971-2000	0.934	2013 allotment 0.380 Runoff 42 KAF Apr-Sep				
2002-2006	0.616	2014 allotment 0.332 Runoff 41 KAF Apr-Sep				
Full Allotment	1.167	2015 allotment 0.385 Runoff 42 KAF Apr-Sep				