

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

Updated February 1, 2016

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

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		89000	111000	128000	145000	173000
Projected storage in Dam, Feb 28, acre-feet	25000	25000	25000	25000	25000	25000
Total Storage (Inflow Forecast + Storage)		114000	136000	153000	170000	198000
Less Dead Storage in Reservoir (5000 A-F)	5000	109000	131000	148000	165000	193000
Projected Reservoir Loss of 20%	0.20	21800	26200	29600	33000	38600
In Dam, Available for Delivery		87200	104800	118400	132000	154400
Projected Delivery Efficiency: 2016 50%						
Past Delivery Efficiency: 2015 47.0% 2014 48.0%						
2013 53.0% 2012 58.8% 2011 63.9%	0.50	43600	52400	59200	66000	77200
Less Water for Callen	485	485	485	485	485	485
Less Individual Storage Carryover	1737	1737	1737	1737	1737	1737
Water to be Delivered Over the Weir		41378	50178	56978	63778	74978
Divided by Total Shares	60050.65	0.689	0.836	0.949	1.062	1.249

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Allotment if 'Individual Storage Carryover' is not subtracted from 'In Dam, Available for Delivery'		0.718	0.865	0.978	1.091	1.278
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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