

Twin Falls Soil & Water Conservation District Salmon Falls Reservoir Storage Allotment		Updated May 18, 2018				
Note: Allotment formula is based on March 31 reservoir storage and April 1 - September 30 forecasts.		Based on NRCS May 1 Streamflow Forecasts				
		April 2018 Flow AF 10780	Avg Apr Flow AF 20377	% of Average 53		
Observed April 2018 Runoff		Chance of Exceedance Streamflow Forecasts				
		90%	70%	50%	30%	10%
Inflow Forecast, <b>May 1-September 30</b> , acre-feet		6000	16900	24000	32000	43000
<b>Storage in Dam, March 31</b> , acre-feet	<b>98770</b>	98770	98770	98770	98770	98770
Total Storage (April Flow+ Forecast + Storage)		115550	126450	133550	141550	152550
Less Dead Storage in Reservoir (5000 A-F)	5000	110550	121450	128550	136550	147550
Projected Reservoir Loss of 20%	0.20	22110	24290	25710	27310	29510
In Dam, Available for Delivery		88440	97160	102840	109240	118040
<b>Projected Delivery Efficiency: 2017 60%</b>						
Past Delivery Efficiency: 2015 47.0% 2014 48.0%						
2013 53.0% 2012 58.8% 2011 63.9%	<b>0.600</b>	53064	58296	61704	65544	70824
Less Water for Callen	485	485	485	485	485	485
Less Individual Storage Carryover	<b>18733</b>	18733	18733	18733	18733	18733
Water to be Delivered Over the Weir		33846	39078	42486	46326	51606
Divided by Total Shares	60050.65	<b>0.564</b>	<b>0.651</b>	<b>0.708</b>	<b>0.771</b>	<b>0.859</b>
Allotment if 'Individual Storage Carryover' is not subtracted from 'In Dam, Available for Delivery'						
		<b>0.876</b>	<b>0.963</b>	<b>1.019</b>	<b>1.083</b>	<b>1.171</b>
Average Allotment						
	1924-2006	0.761	2013 allotment 0.380		Runoff 42 KAF Apr-Sep	
	1971-2000	0.934	2014 allotment 0.332		Runoff 41 KAF Apr-Sep	
	2002-2006	0.616	2015 allotment 0.385		Runoff 42 KAF Apr-Sep	
	Full Allotment	1.167	2016 allotment 1.000		Runoff 90 KAF Apr-Sep	