

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

**Updated: January 15, 2019**

**For this January 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.**

**January 1 Streamflow Forecasts**

Inflow Forecast, March 1-September 30, acre-feet

**Projected storage in Dam, Feb 28, acre-feet**

**41000**

Total Storage (Inflow Forecast + Storage)

Less Dead Storage in Reservoir (5000 A-F)

**5000**

Projected Reservoir Loss of 20%

**0.20**

In Dam, Available for Delivery

**Projected Delivery Efficiency: 2019 60%**

Past Delivery Efficiency: 2018 / 66.22% 2017 / 64.2%

2016 / 59.8% 2015 / 47.0% 2014 / 48.0% 2013 / 53.0%

2012 / 58.8% 2011 / 63.9%

**0.600**

Less Water for Callen

**485**

**Less Individual Storage Carryover**

**11126**

Water to be Delivered Over the Weir

Divided by Total Shares

**60050.65**

**Chance of Exceedance Streamflow Forecasts**

**90% 70% 50% 30% 10%**

**36000 56000 71000 89000 119000**

**41000 41000 41000 41000 41000**

**77000 97000 112000 130000 160000**

**72000 92000 107000 125000 155000**

**14400 18400 21400 25000 31000**

**57600 73600 85600 100000 124000**

**34560 44160 51360 60000 74400**

**485 485 485 485 485**

**11126 11126 11126 11126 11126**

**22949 32549 39749 48389 62789**

**0.382 0.542 0.662 0.806 1.046**

Allotment if 'Individual Storage Carryover' is not subtracted from 'In Dam, Available for Delivery'

**0.567 0.727 0.847 0.991 1.231**

**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