

RECLAMATION

Managing Water in the West

Henrys Fork Watershed Council Meeting

Upper Snake Operations

May 8, 2018



U.S. Department of the Interior
Bureau of Reclamation



Henrys Lake
84913/90000
94% Full
HENI 48 cfs

Grassy Lake
14601/15180
96% Full

FLGY 3352 cfs

Island Park
124606/135205
92% Full

ISLI 1235 cfs

ANTI 5141 cfs

REXI 5315 cfs

TEAL 1660 cfs

Little Wood
29491/30000
98% Full

LW01 356 cfs

WOD1 274 cfs

Ririe
80688/80540
100% Full

RIRI 372 cfs

SHYI 17574 cfs

SNAI 14203 cfs

LORI 11124 cfs

HEI 15022 cfs

WTXI 371 cfs

SIFI 17071 cfs

BFTI 14785 cfs

American Falls
1652838/1672590
99% Full

ANFI 18012 cfs

Milner
40888/50000
82% Full
MILI 8370 cfs

MINI 16244 cfs

Lake Walcott
9378 1/95 180
99% Full

Jackson Lake
629642/847000
74% Full

JCK 2906 cfs

JKSY 8051 cfs

ALPY 12577 cfs

GREY 2580 cfs

SALY 1666 cfs

Palisades
573723/1200000
48% Full

PALI 14044 cfs

May 11 2017



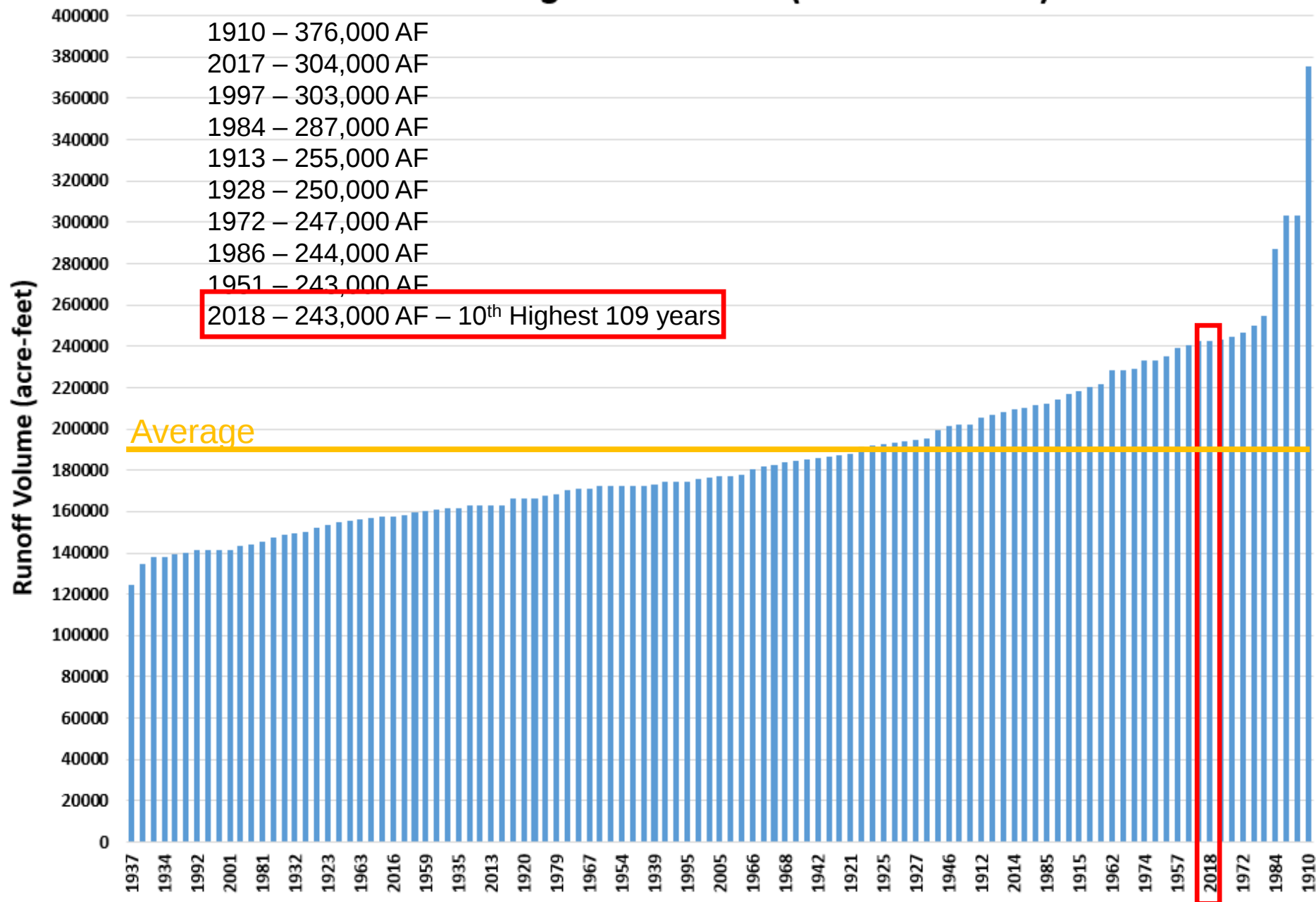
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Jackson Lake Unregulated Inflows (October-March)



Snake River above Heise Unregulated Inflows (October-March)

2017 – 1,720,000 AF

1984 – 1,702,000 AF

1997 – 1,595,000 AF

1918 – 1,595,000 AF

1972 – 1,560,000 AF

1983 – 1,546,000 AF

2018 – 1,514,000 AF – 7th Highest in 108 years

1998 – 1,504,000 AF

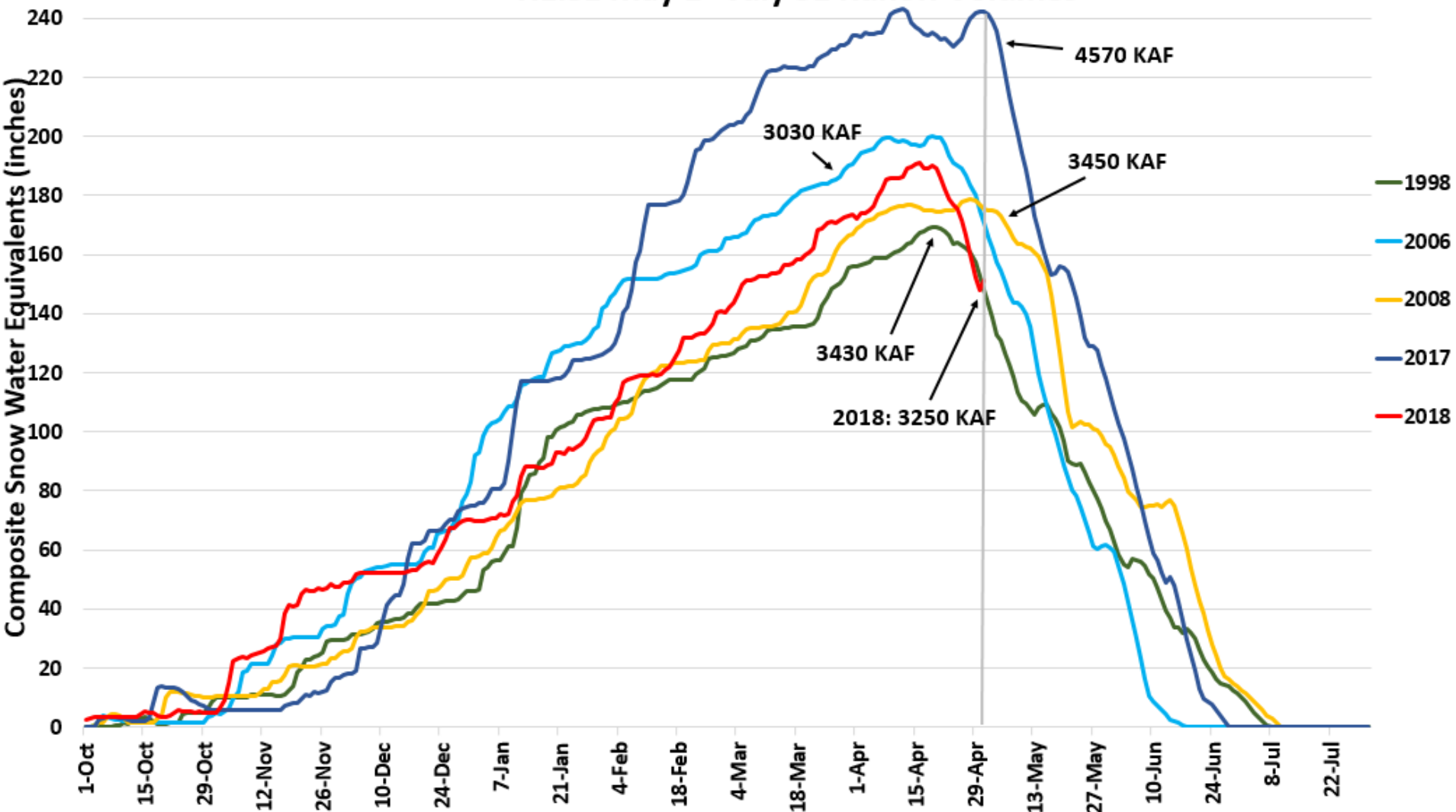
Average

Runoff Volume (acre-feet)

1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0

1935 1941 1988 1920 1945 1938 2001 2008 1992 1930 1933 1942 1949 1977 1953 1995 1963 1924 1958 1939 1950 1912 2009 1947 1922 1926 1966 1976 1915 2000 1973 1951 2012 1928 2018 1997

HEISE Forecast Snowpack Sites HEISE May 1 - July 31 Runoff Volumes



SNAKE BASIN ABOVE PALISADES				SWE % of Median ↓	As of May 7 2018		
Base Camp	7060	9.3	6.1	152	25.7	23.4	110
Blind Bull Sum	8650	37.9	22.6	168	22.6	21.9	103
Cottonwood Creek	7670	13.9	13.5	103	30.8	28.3	109
East Rim Divide	7930	0.0	6.9	0	14.2	13.3	107
Granite Creek	6770	7.1	6.7	106	24.6	21.9	112
Grassy Lake	7265	25.2	27.0	93	41.1	40.1	102
Gros Ventre Summit	8750	12.1	10.2	119	17.5	15.1	116
Gunsight Pass	9820	15.1	11.7 _C	129	19.5	16.5 _C	118
Lewis Lake Divide	7850	40.9	29.4	139	47.2	39.3	120
Loomis Park	8240	9.5	8.4	113	20.9	19.5	107
Phillips Bench	8200	27.1	23.6	115	33.0	31.4	105
Salt River Summit	7640	0.0	6.2	0	14.9	18.8	79
Snake River Station	6920	4.8	4.0	120	27.4	25.3	108
Spring Creek Divide	9000	25.0	24.1	104	27.8	26.8	104
Thumb Divide	7980	11.7	9.7	121	22.3	21.5	104
Togwotee Pass	9580	33.6	25.0	134	38.5	28.1	137
Two Ocean Plateau	9240	38.4	29.8	129	34.8	30.8	113
Willow Creek	8080	28.0	21.7	129	42.0	38.6	109
Basin Index (%)		118			110		

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May 1 Coordinated Forecasts:

(May 1 through July 31)

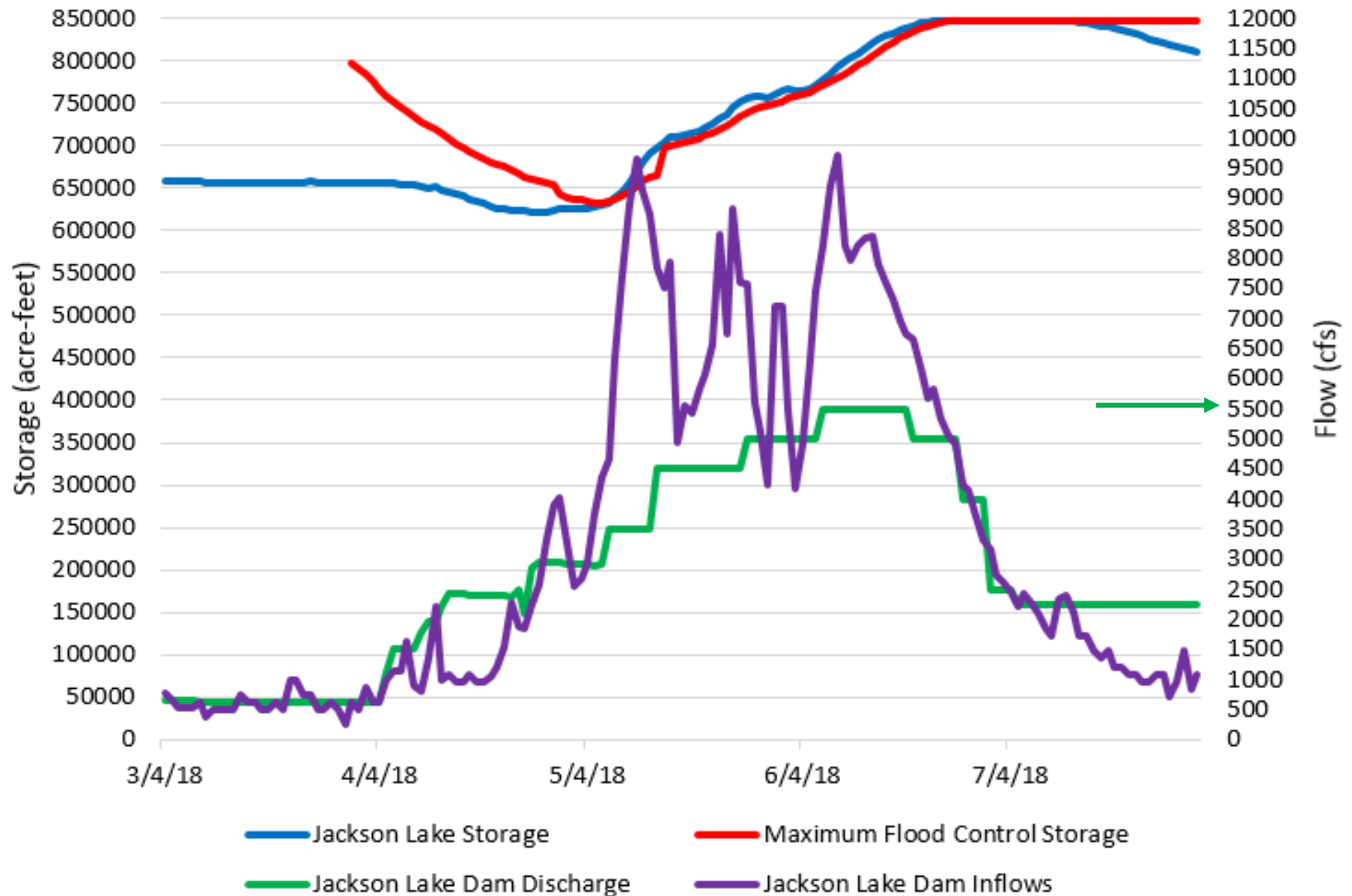
- Snake above Heise: 3,250 kaf (114%)
- Jackson Lake: 871 kaf (125%)

The residual runoff in the forecast requires 835,000 acre-feet of space in Jackson/Palisades complex as of 5/7.

Currently there is 846,000 acre-feet of flood control space in Jackson/Palisades as of 5/7.

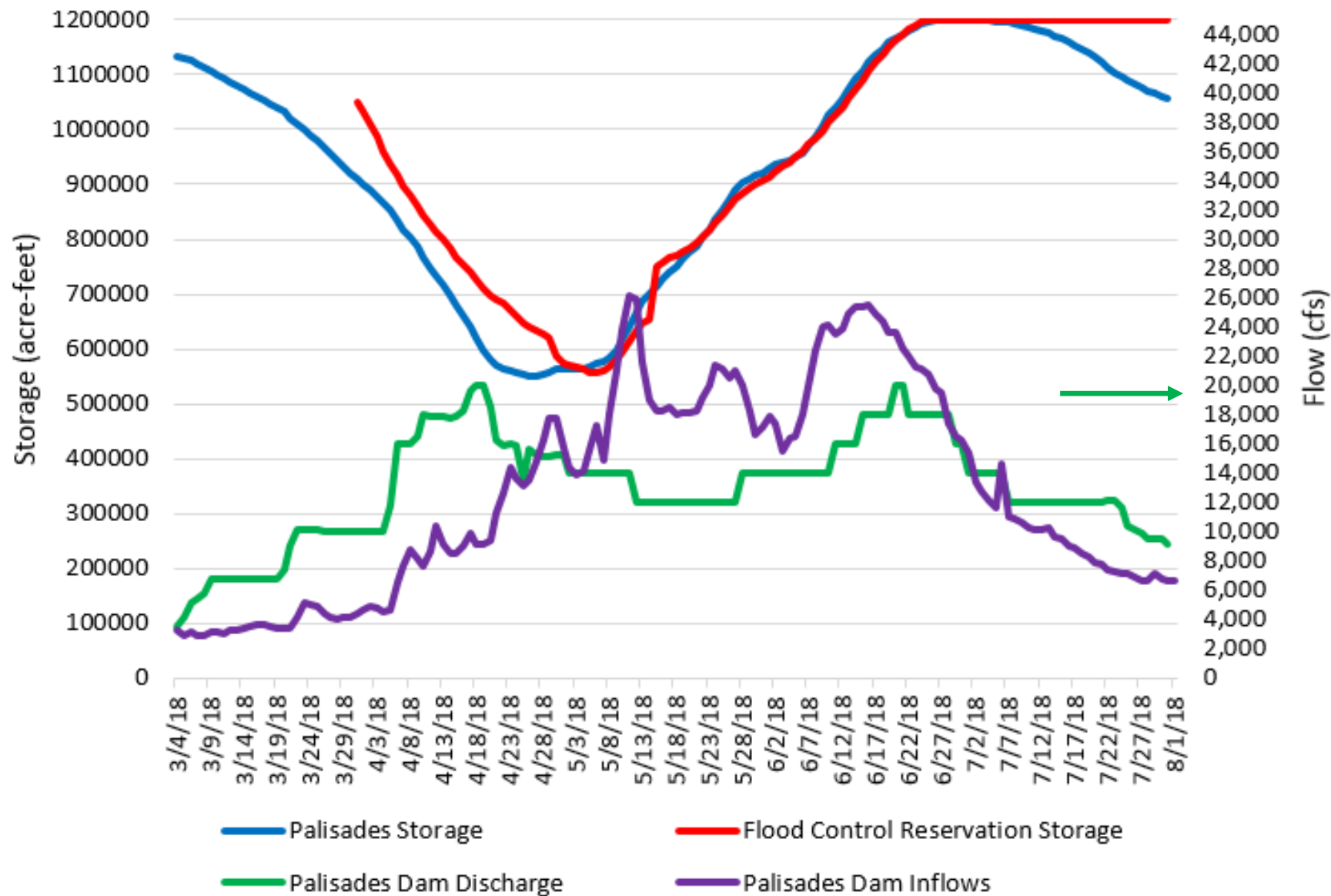
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Jackson Dam 2018 Projected Storage



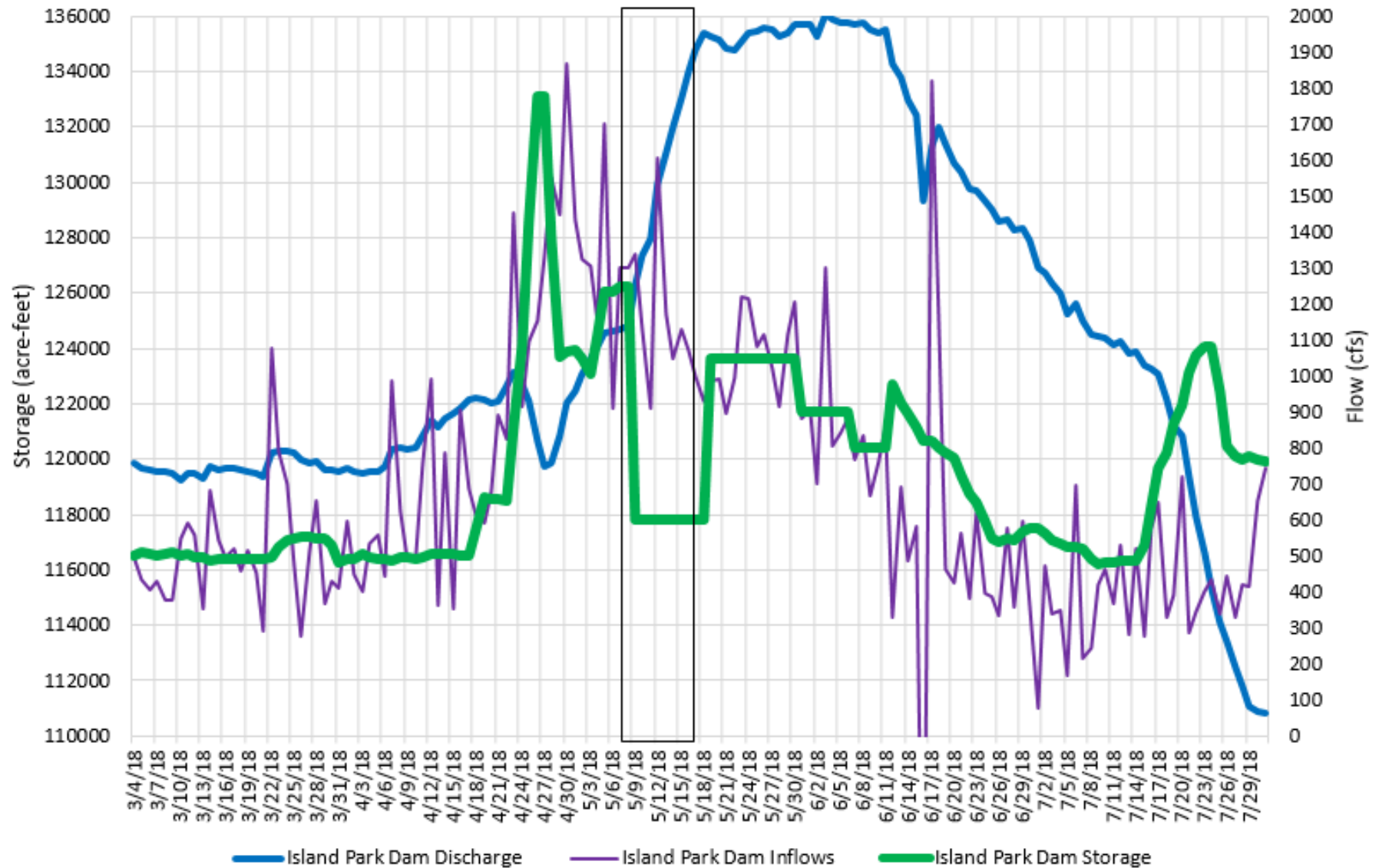
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Palisades Dam 2018 Projected Storage



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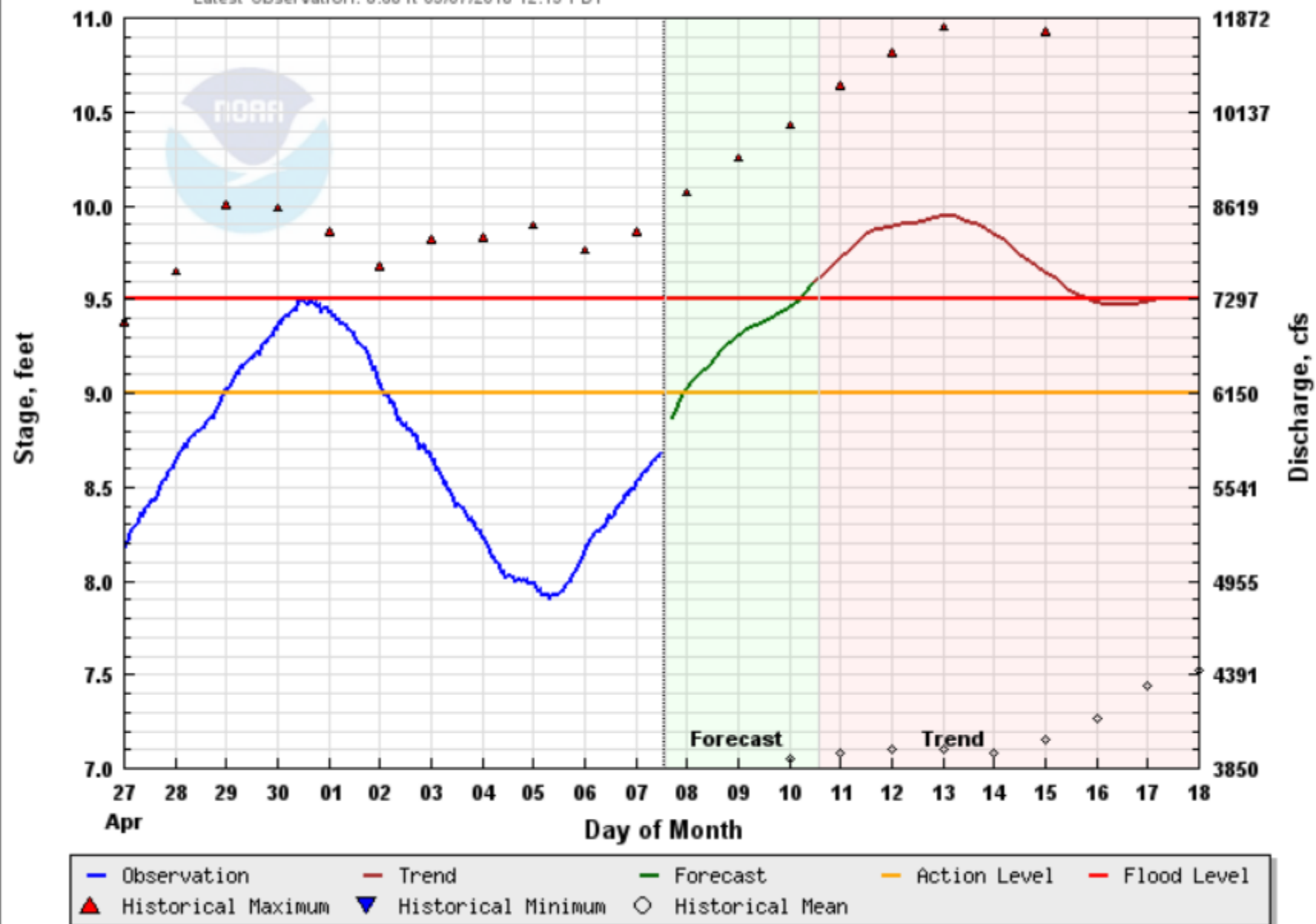
Island Park Dam 2018 Projection



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HENRYS FORK - AT REXBURG (REX11)

Latest Observation: 8.68 ft 05/07/2018 12:15 PDT

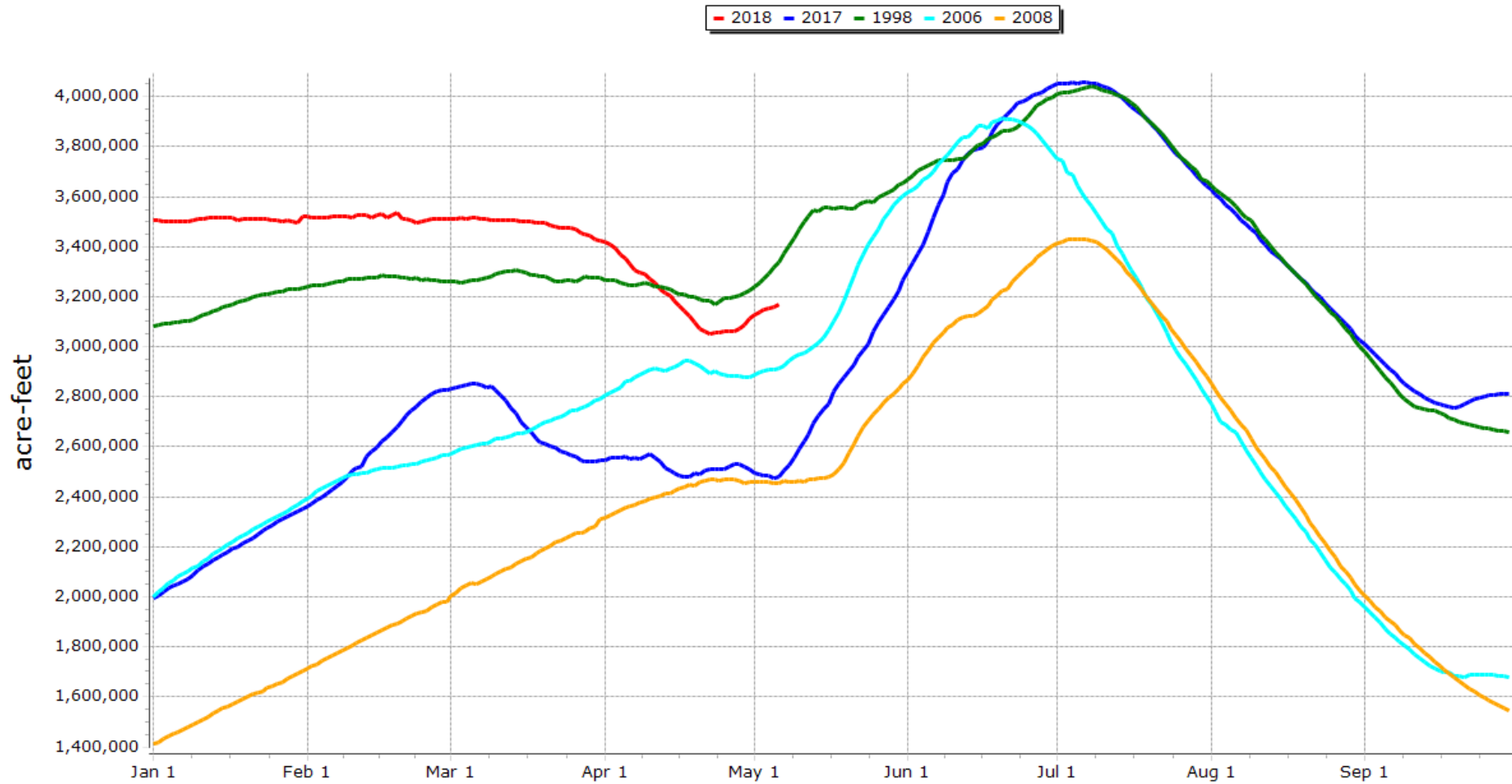


Forecast Created: 05/07/2018 08:07 PDT

Plot Created: 05/07/2018 14:09 PDT

Observations Provided by USGS

Upper Snake Total Storage



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Operations Release Plan (Summary)*

- Jackson Lake Dam – go to 3500 cfs on Monday 5/7 and will be tracking the flood control curve. Likely to see 5,000 cfs to 5,500 cfs for peak outflows from Jackson Lake Dam this year.
- Palisades Dam – stay at 14,000 cfs for now. Likely to see 16,000 cfs to 18,000 cfs for peak outflows during the peak runoff from Palisades Dam this year.
- Island Park Dam – likely to make a decrease this week sometime to ~600 cfs to help reduce flooding impacts at Rexburg. Likely to fill within the next 2-3 weeks with that decrease. Then just pass inflow until the day of allocation.
- Grassy Lake Dam – likely to fill within the next couple weeks.
- American Falls Dam – likely to fill late this week or early next week and then just pass inflows.

*SUBJECT TO CHANGE

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For More Information:

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Snake River Operations Web Sites

- New Upper Snake water information site -
<http://www.usbr.gov/pn/hydromet/uppersnake/index.html>
- USBR HydroMet - <http://www.usbr.gov/pn/hydromet/>
- Northwest River Forecast Center - <http://www.nwrfc.noaa.gov/rfc/>
- NRCS SNOTEL Data - <http://www.id.nrcs.usda.gov/snow/>

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