

RECLAMATION

Managing Water in the West

Water Update

Henrys Fork Watershed Council
October 17, 2017



U.S. Department of the Interior
Bureau of Reclamation

10/15/2017



- 72% of Capacity
- 188% of Average
- 309% of Last Year
- 1.96 MAF more than Last Year

Henrys Lake
81765/90000
91% Full
HENI 48 cfs

Grassy Lake
12229/15180
81% Full

FLGY 446 cfs

Island Park
110424/135205
82% Full
ISLI 348 cfs

Jackson Lake
637343/847000
75% Full

JCK 874 cfs
500 cfs on 10/17

Little Wood
9701/30000
32% Full

ANTI 1705 cfs
REXI 1796 cfs

TEAI 623 cfs

LORI 2144 cfs

Ririe
59122/80540
73% Full

RIRI 702 cfs
0 cfs near 10/31
SHYI 5390 cfs

HEII 4611 cfs

WTXI 58 cfs

JKSY 2532 cfs

SNAI 4522 cfs

SIFI 4638 cfs

ALPY 3185 cfs

GREY 439 cfs

SALY 740 cfs

BFTI 5298 cfs

American Falls
900975/1672590
54% Full

AMFI 3017 cfs
2,100 cfs on 10/17

Milner
34709/50000
69% Full

MILI 0 cfs
630 cfs on 10/16

MINI 2755 cfs

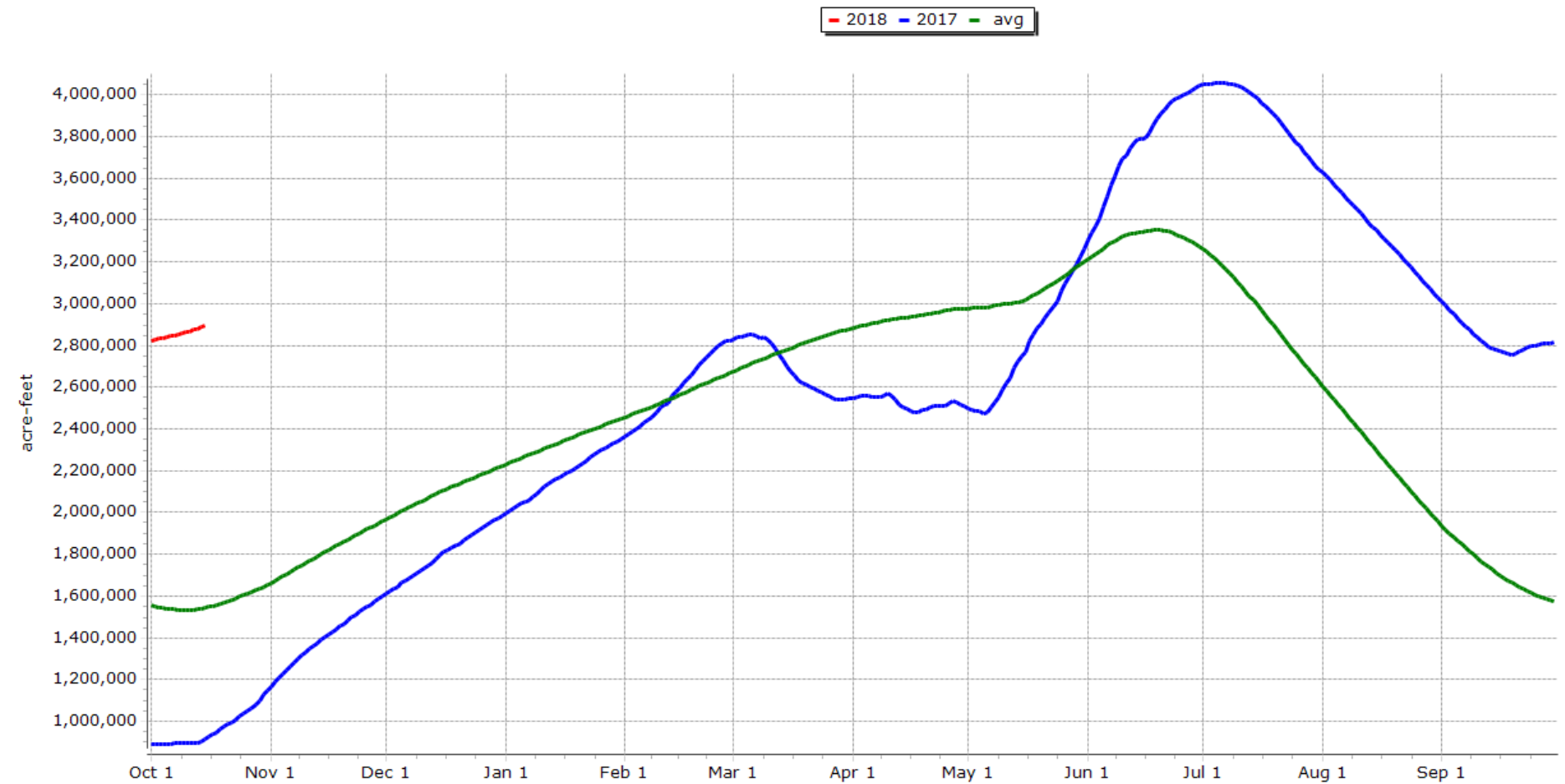
Lake Walcott
88430/95180
93% Full

Palisades
1087280/1200000
91% Full

PALI 3859 cfs
~2,500 cfs early Nov.

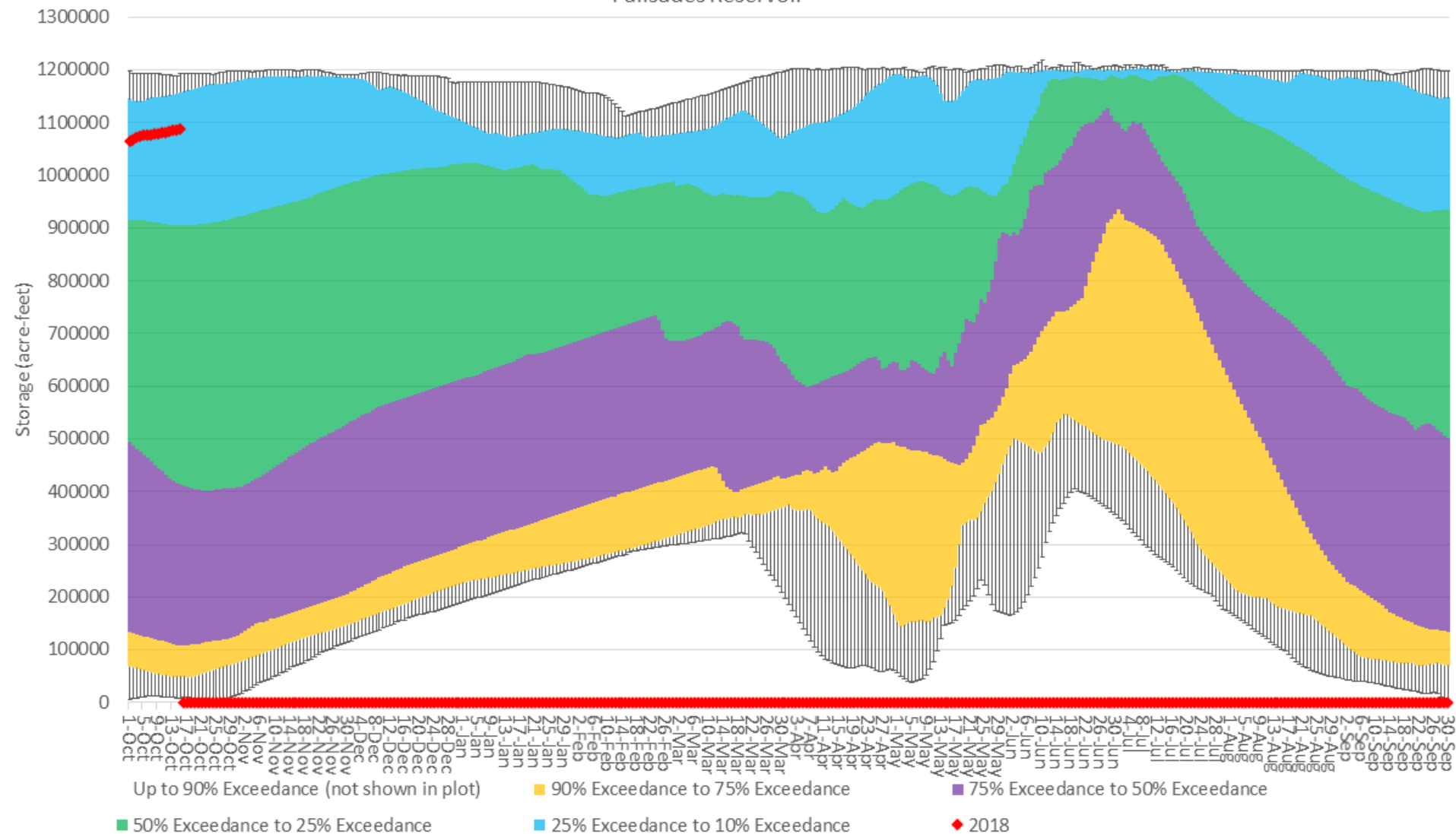
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Upper Snake Total Storage



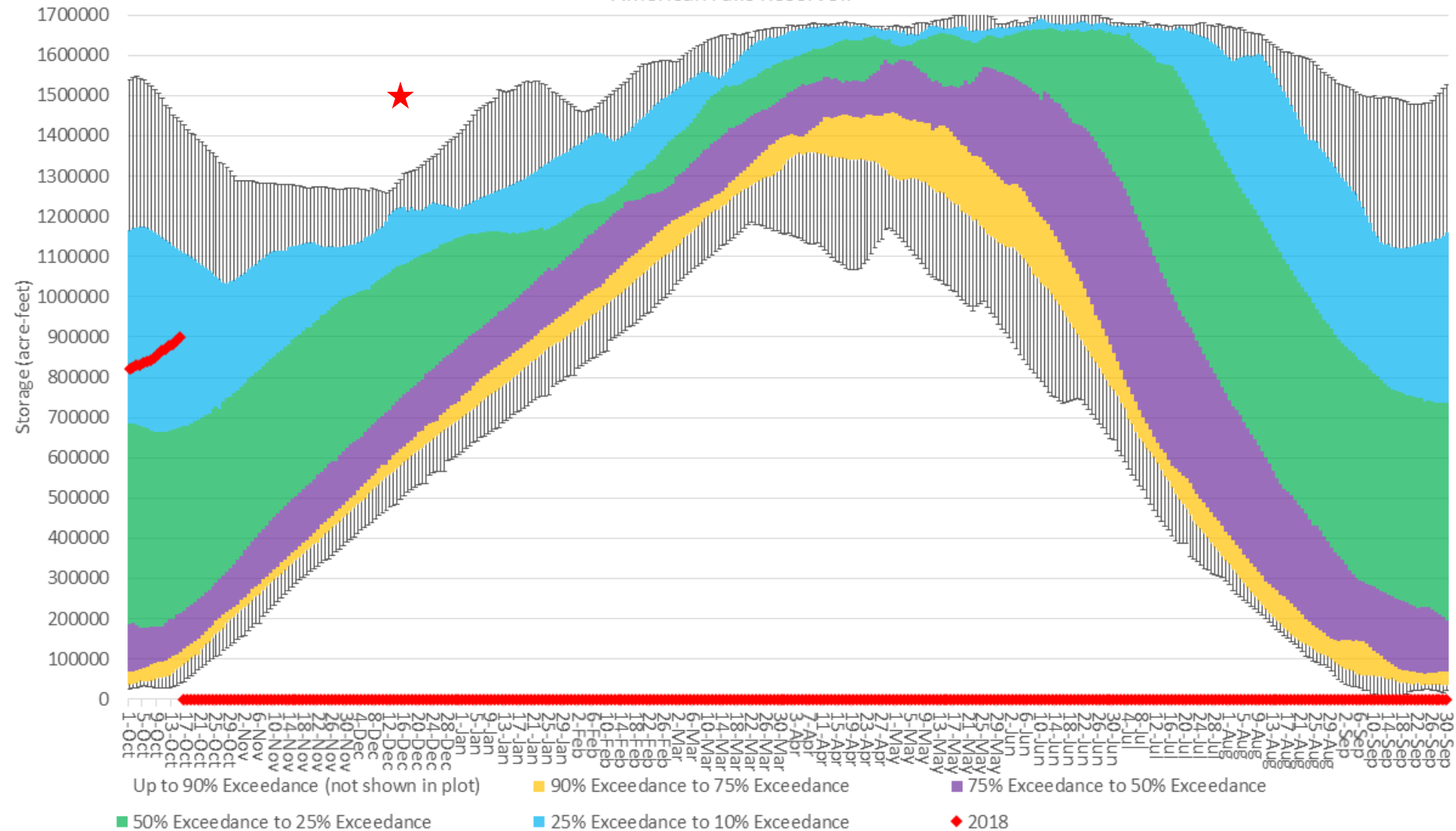
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Palisades Reservoir



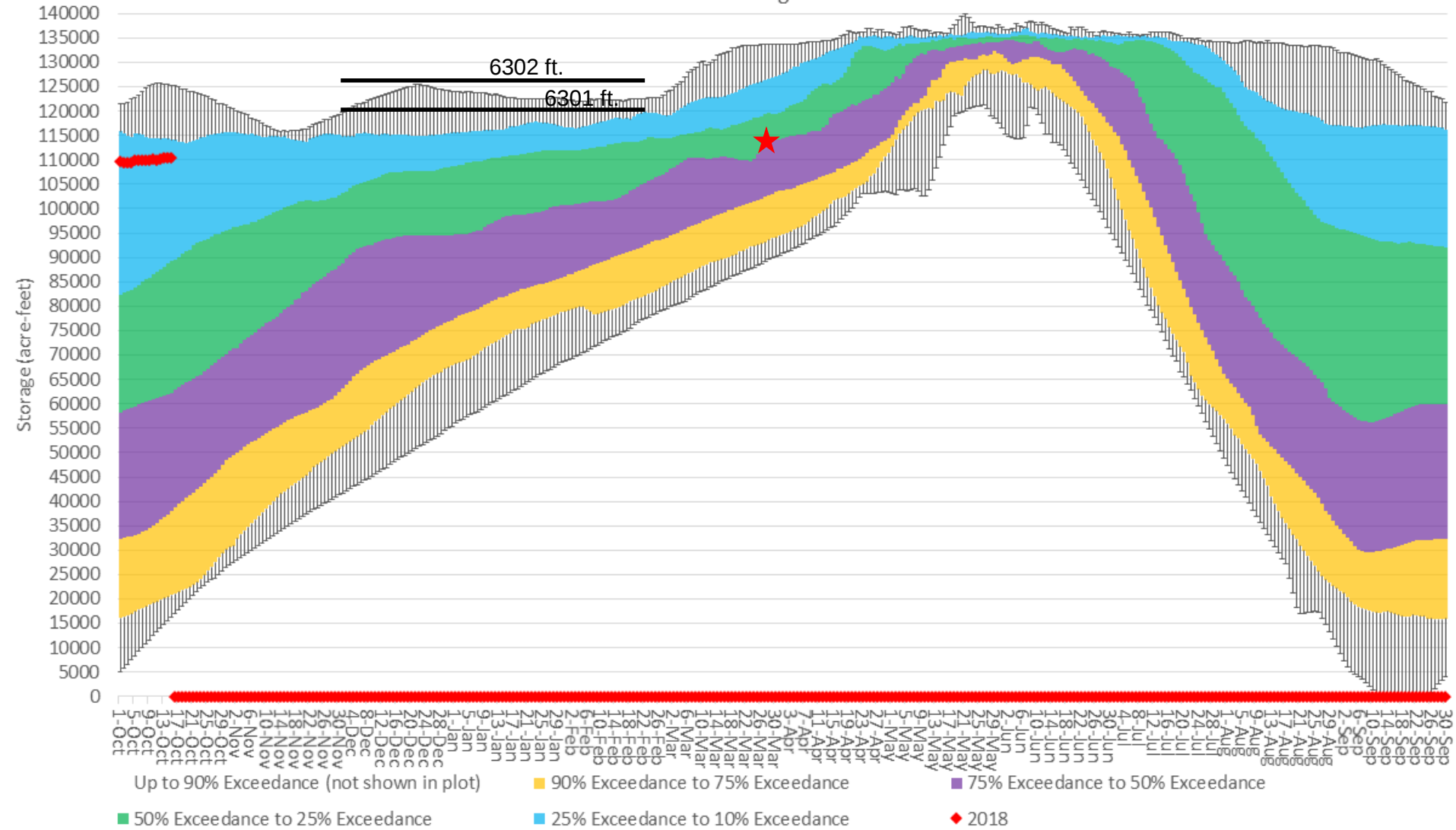
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American Falls Reservoir



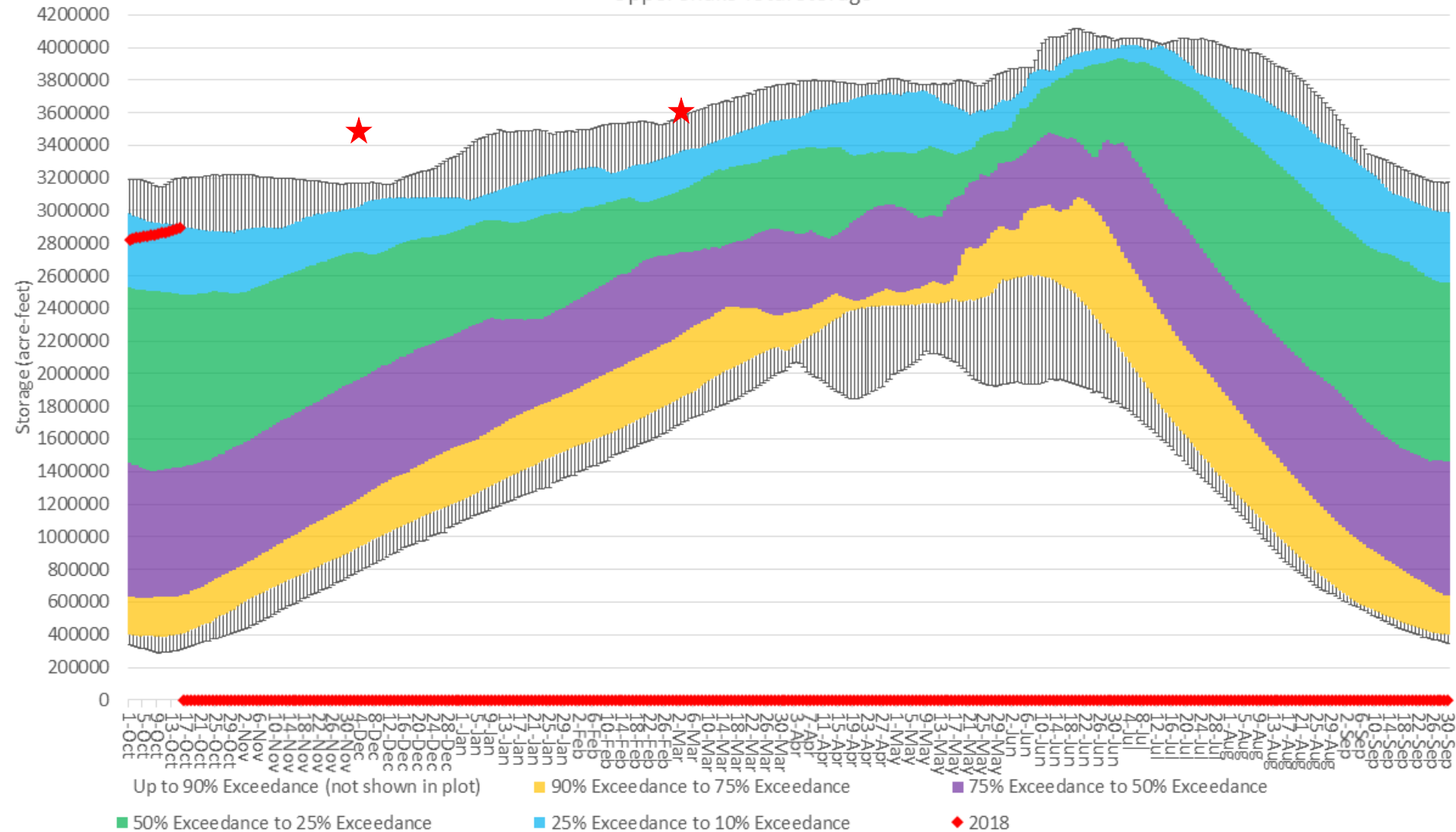
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Island Park Storage



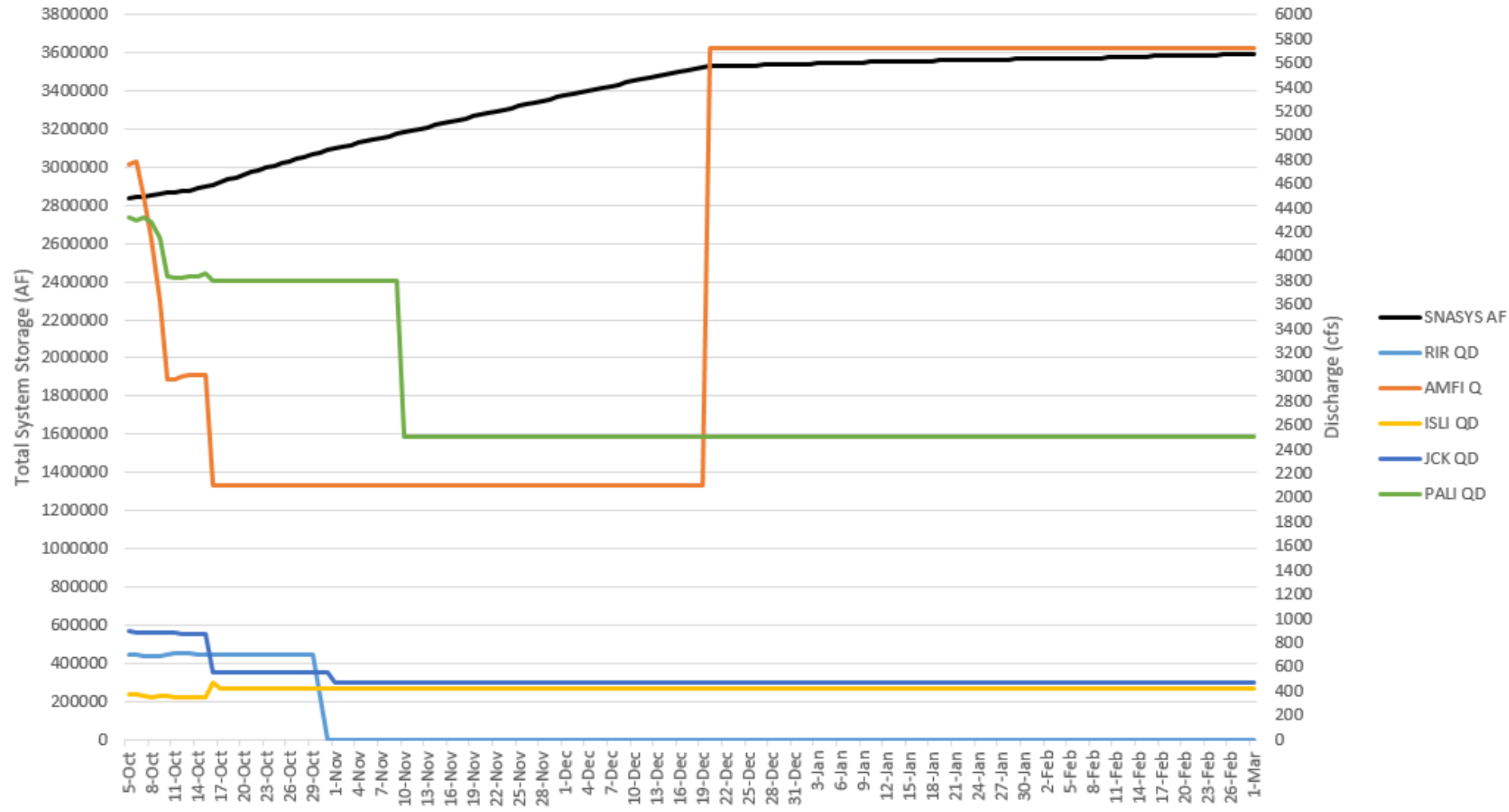
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Upper Snake Total Storage



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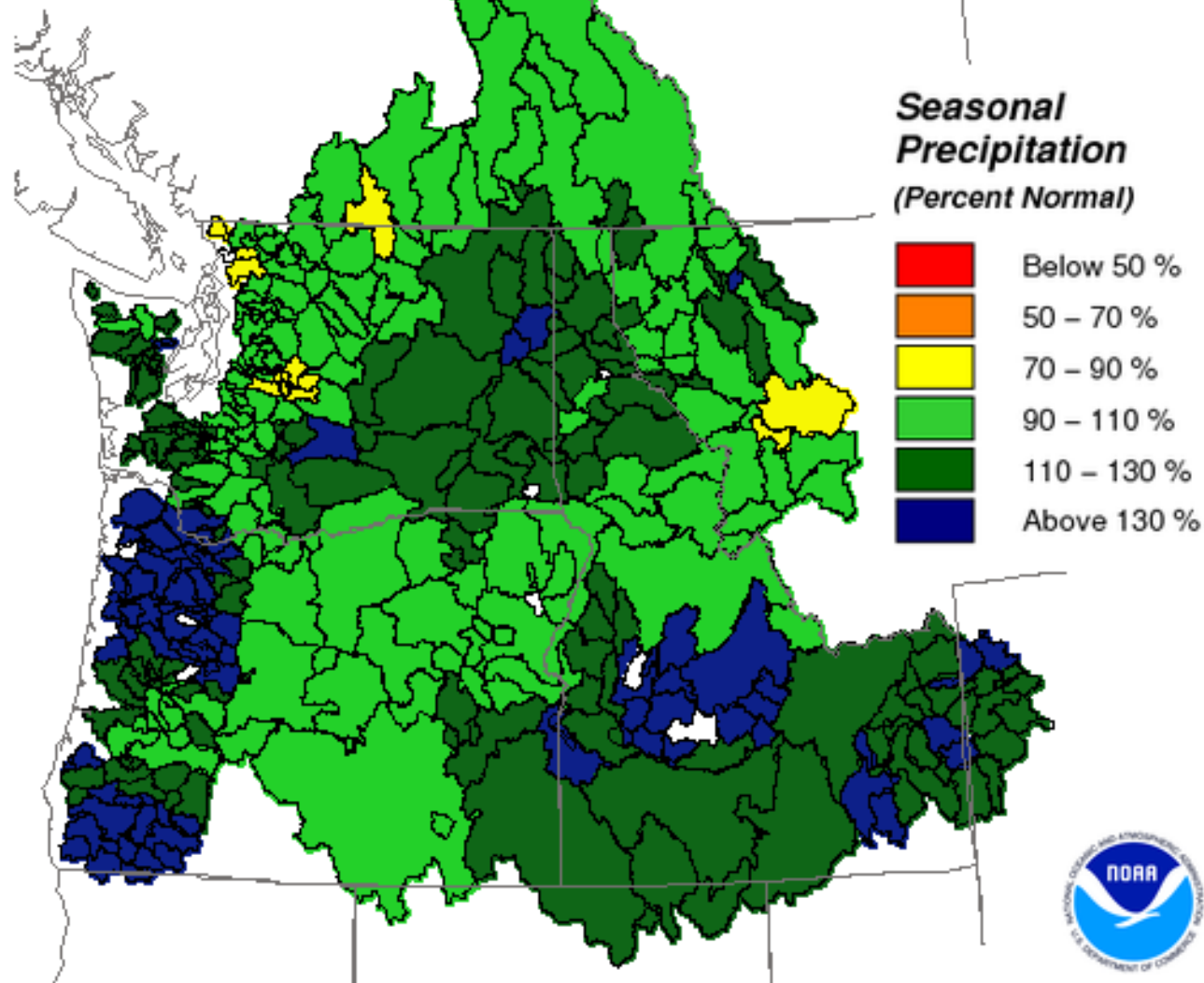
SNASYS AF and Discharge Projections through 3/1/2018



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Seasonal Precipitation

Oct 1, 2016 - Sep 29, 2017

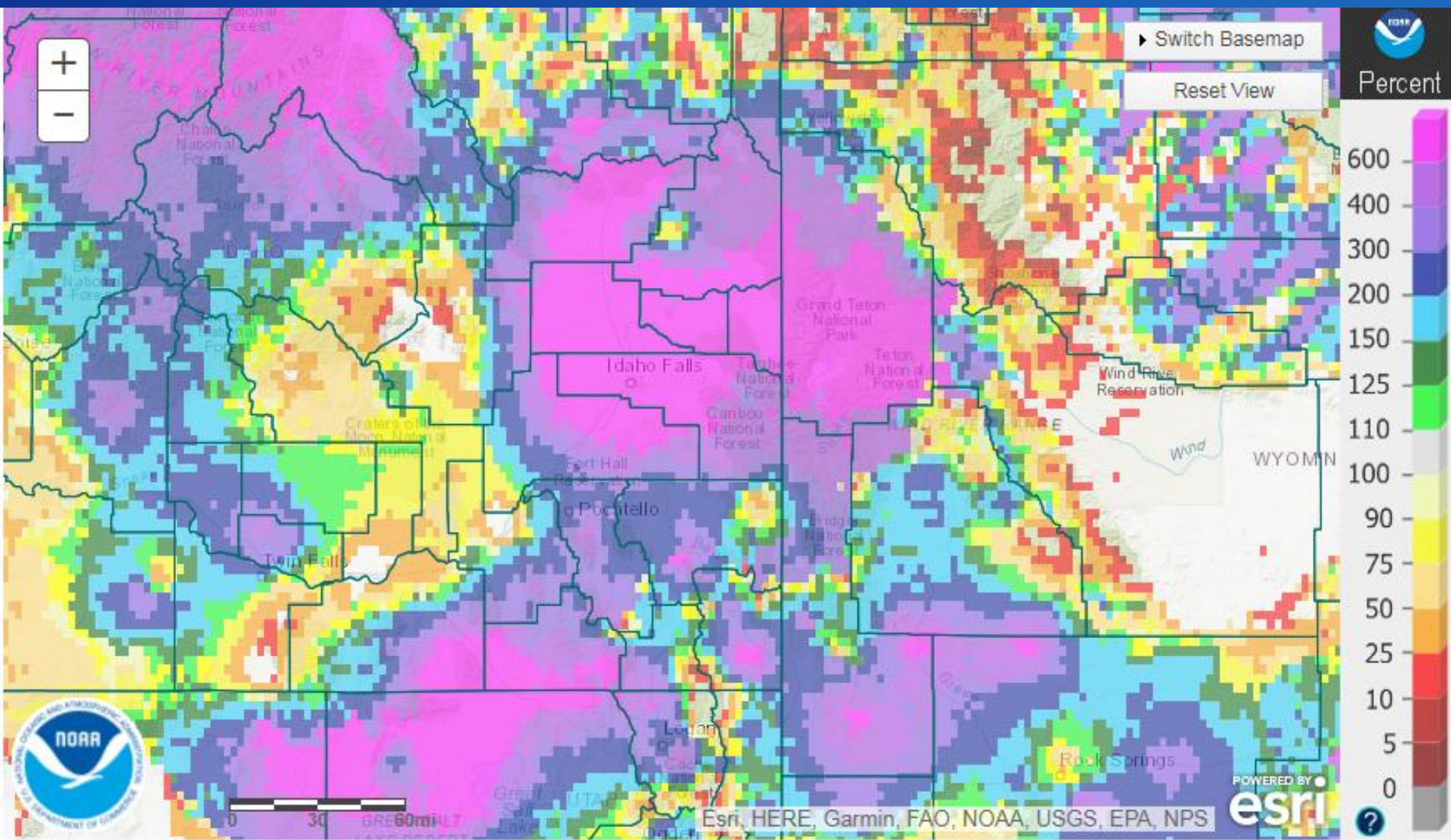


Creation Time: Saturday, Sep 30, 2017

Northwest River Forecast Center

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Water Year 2017 Precipitation: Oct 1, 2016 to Sept 30, 2017: Widespread over 600% of Normal!!!!

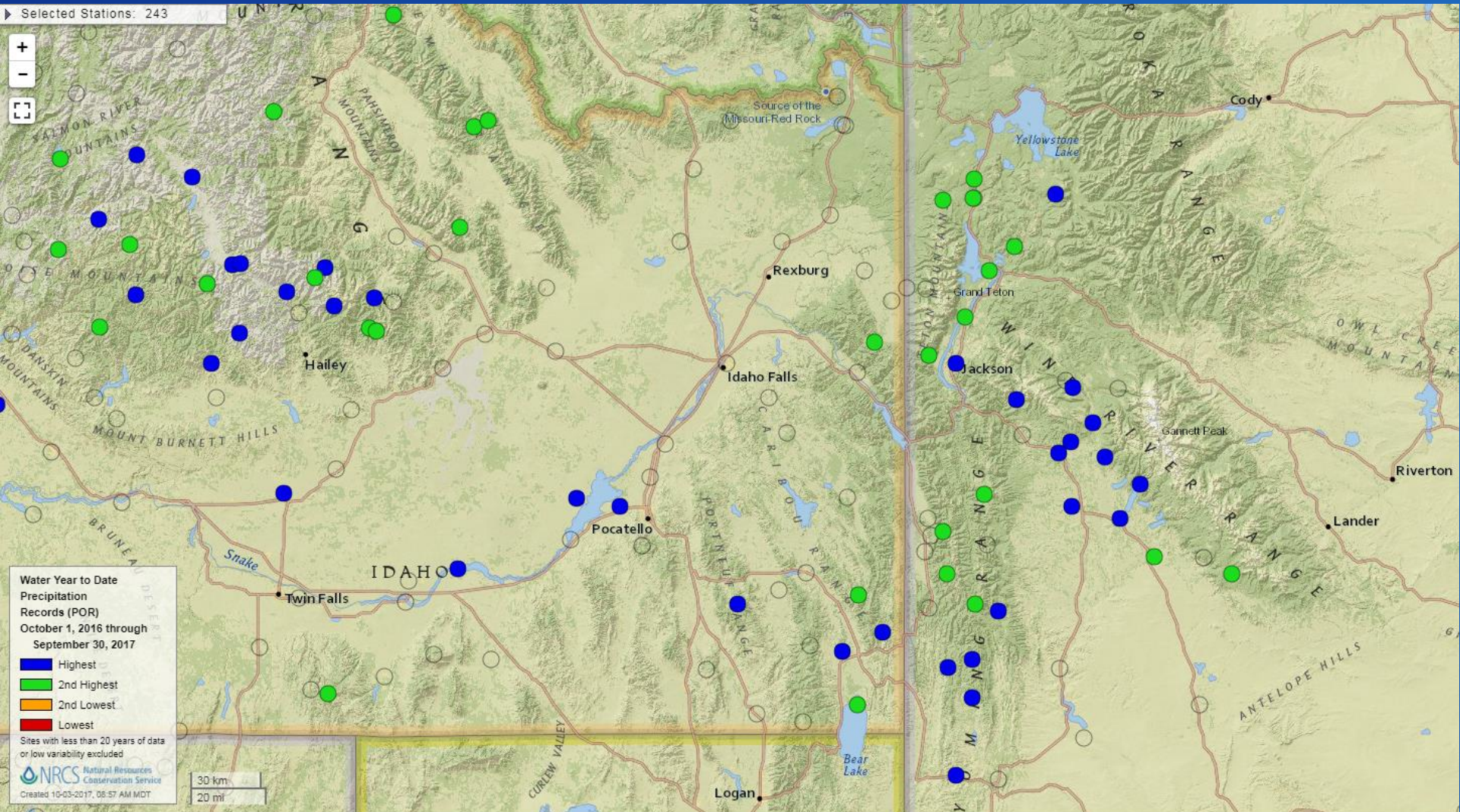


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Precipitation Records

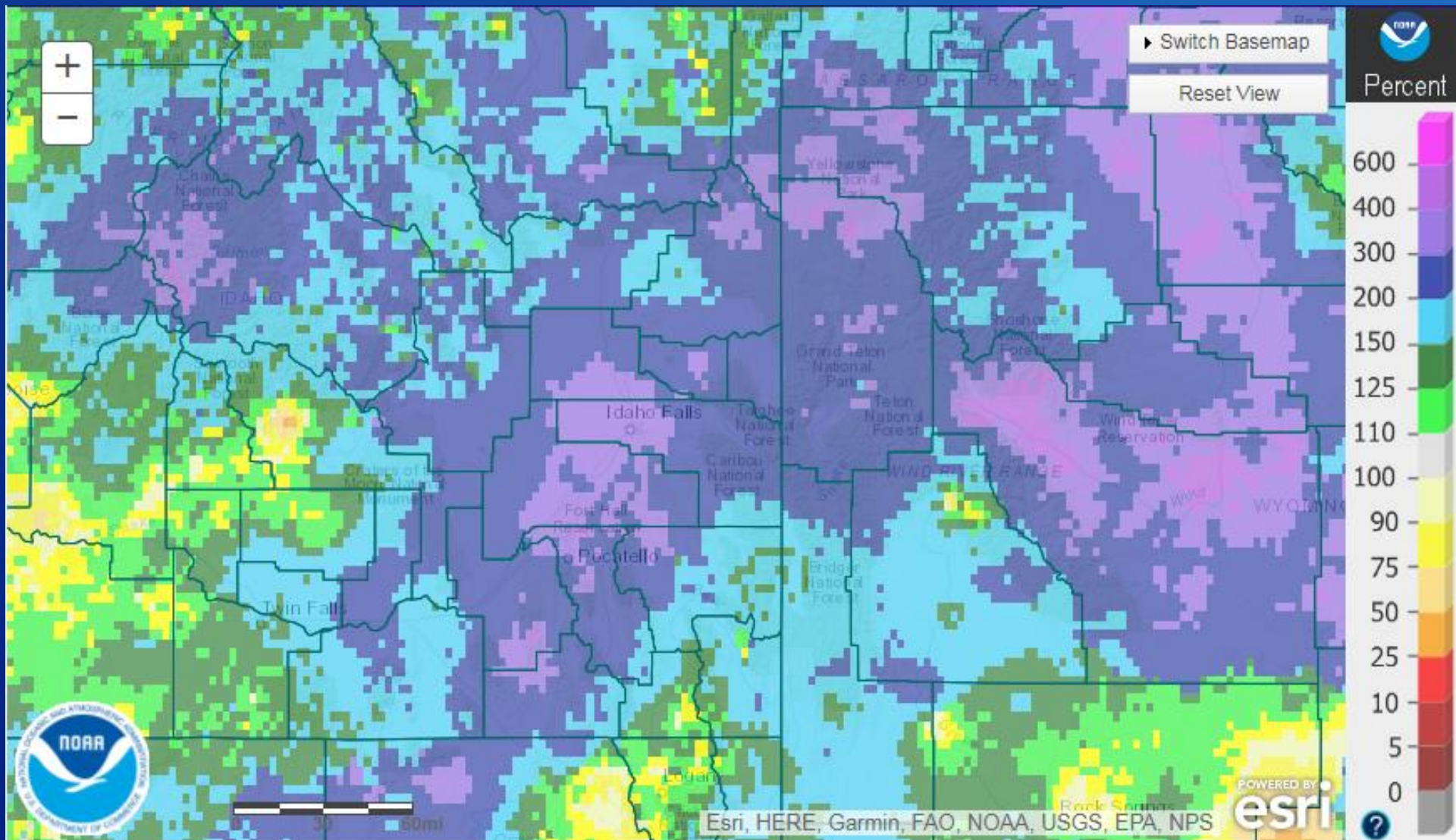
Water Year: Oct 1, 2016 to Sept 30, 2017

Selected Stations: 243

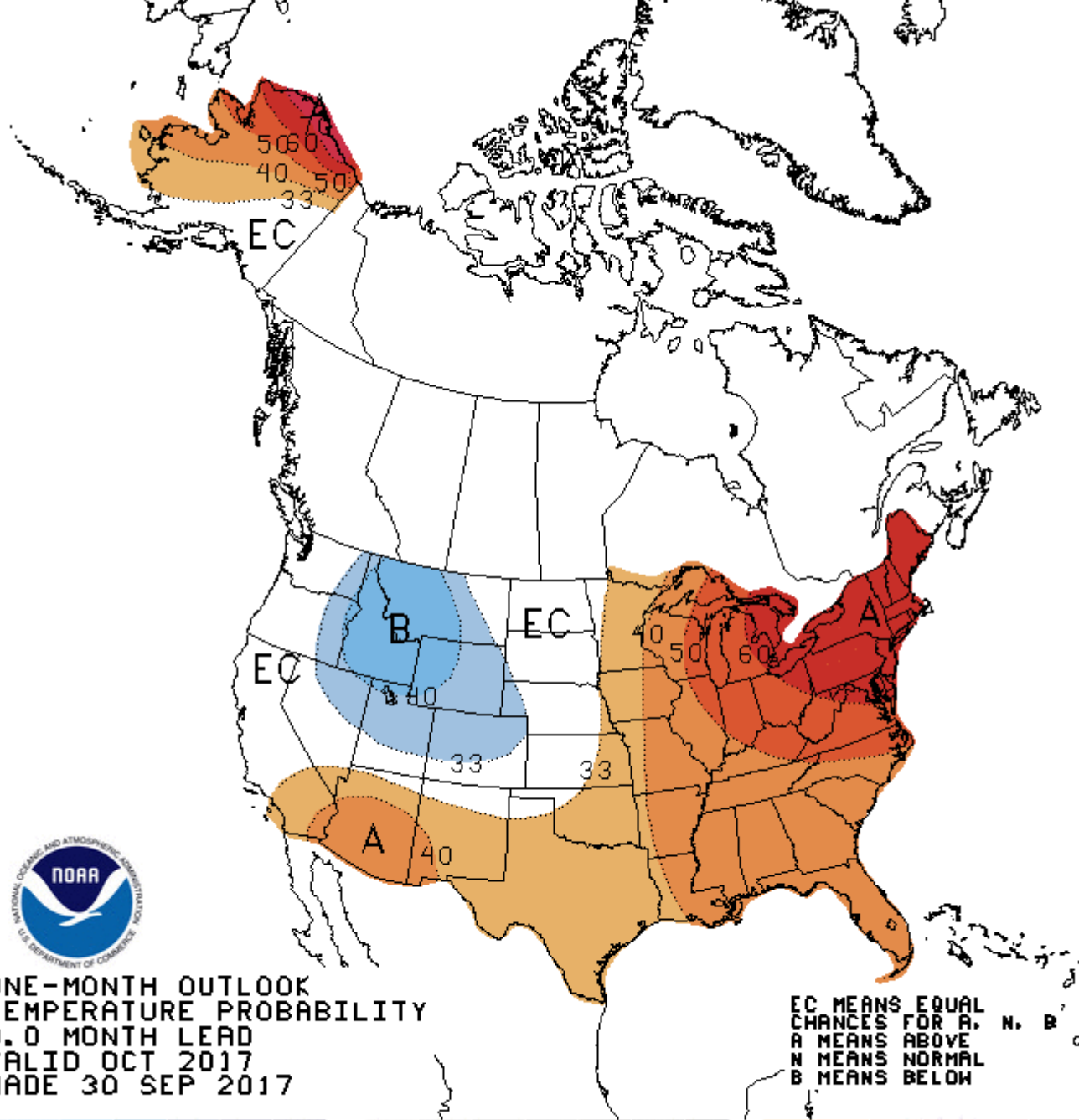


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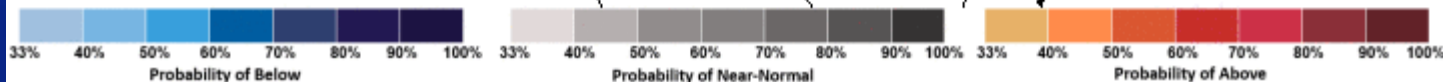
September Precipitation: 200 – 300% of Normal!

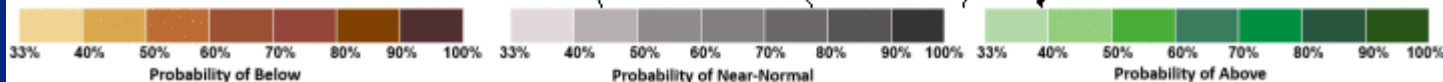
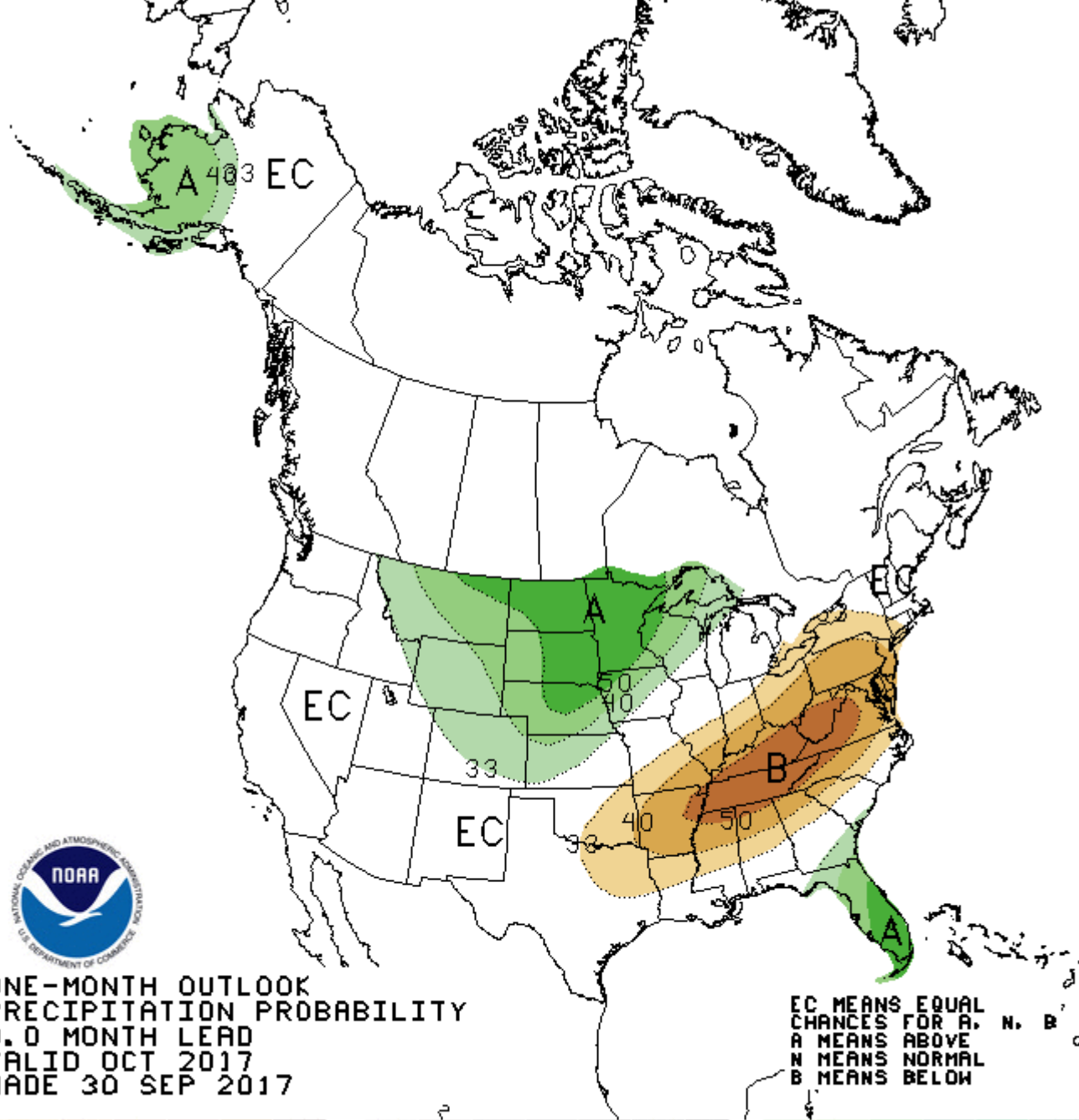


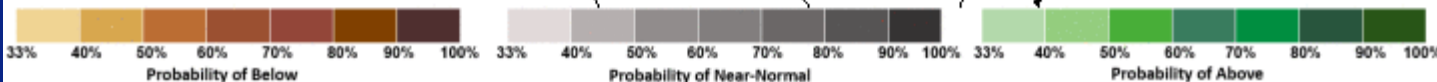
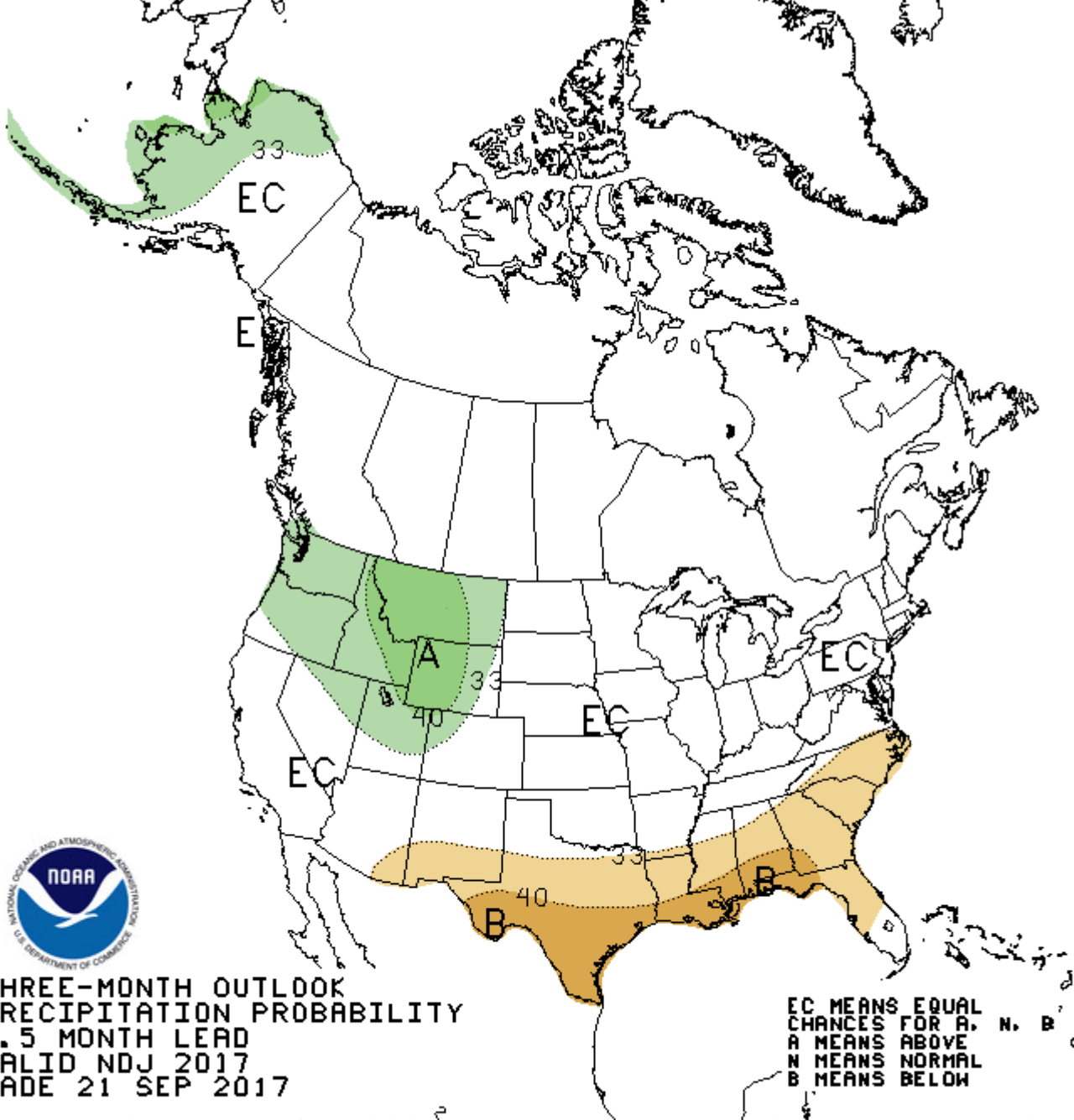
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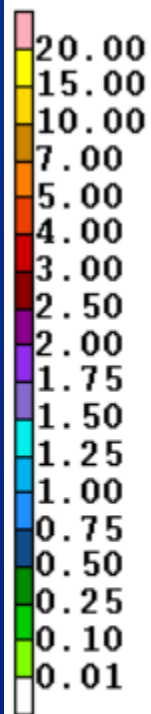


ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.0 MONTH LEAD
VALID OCT 2017
MADE 30 SEP 2017









WPC 7-DAY OPF
ISSUED: 2057Z MON OCT 16 2017
VALID:00Z TUE OCT 17 2017
THRU:00Z TUE OCT 24 2017
FORECASTER: WPC
DOC/NOAA/NWS/NCEP/WPC



WY 2017 into WY 2018

- Large snowpack in 2017 is still providing baseflow benefits; local gains into Palisades still at 20% exceedance.
- Fall/winter recharge will be significant given the time of year. Upper valley and lower valley to conduct strong recharge going into November.

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Operations Release Plan Summary:

Jackson (Storage=637,000 AF, 75% full, Inflows=515 cfs)

- Tuesday 10/17 hold at 500 cfs until late October and recheck inflows before setting a minimum winter flow (in range of 400-500 cfs)
- Discharge will go to 300-350 cfs on October 26th to facilitate a dive inspection of the lower level gates.

Palisades (Storage=1,087,000 AF, 91% full, Local inflows=3,500 cfs)

- Hold at 3,800 cfs until late October/early November before setting a winter minimum flow (in range of 2,500-3,000 cfs). Targeting to maintain at least 50,000 AF winter buffer.

American Falls (Storage=901,000 AF, 54% full, Inflows=8,000 cfs)

- Maintain 2,100 cfs discharge until early December when outflows are likely to increase. Based on system storage or if American Falls Reservoir freezes inflow could be passed through in late December.

Ririe (Storage=59,100 AF, 73% full, Inflows=40 cfs)

- Maintain 700 cfs until late October and likely start winter at 39,000 AF.

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Operations Release Plan Summary:

Island Park (Storage=110,400 AF, 82% full)

- **Hold at 478 cfs until Henrys Lake outflow decreases.
Could pass inflow once the lake freezes or we reach an acceptable level to users.**

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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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