

RECLAMATION

Managing Water in the West

**October 2019 Henrys Fork Watershed Council
Bureau of Reclamation - Upper Snake Field Office
Water Supply and Operations Update**



U.S. Department of the Interior
Bureau of Reclamation

Presentation Outline

Current Conditions

Water Year 2019 Operations Review

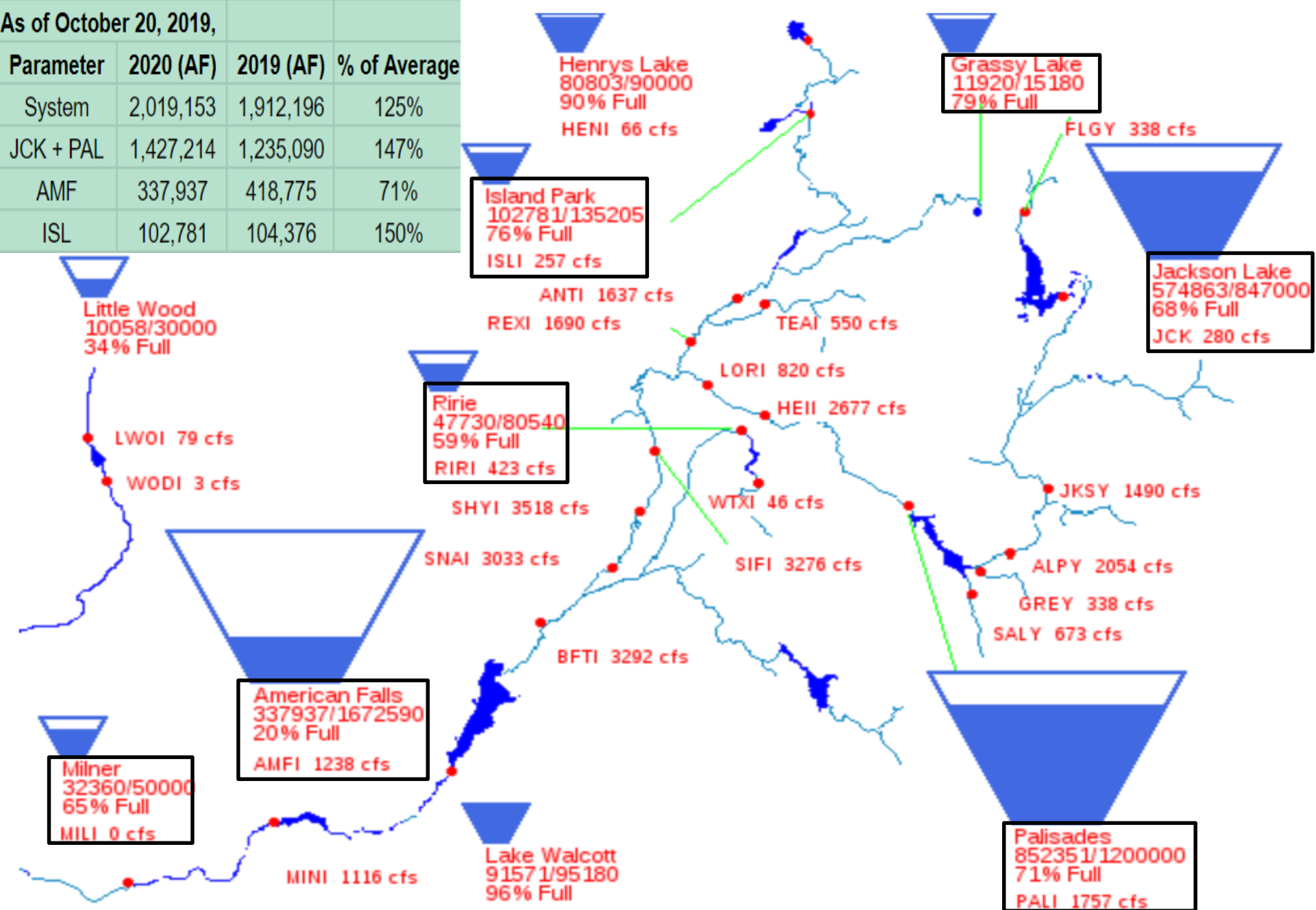
Projected Reservoir Operations

Summary and Questions

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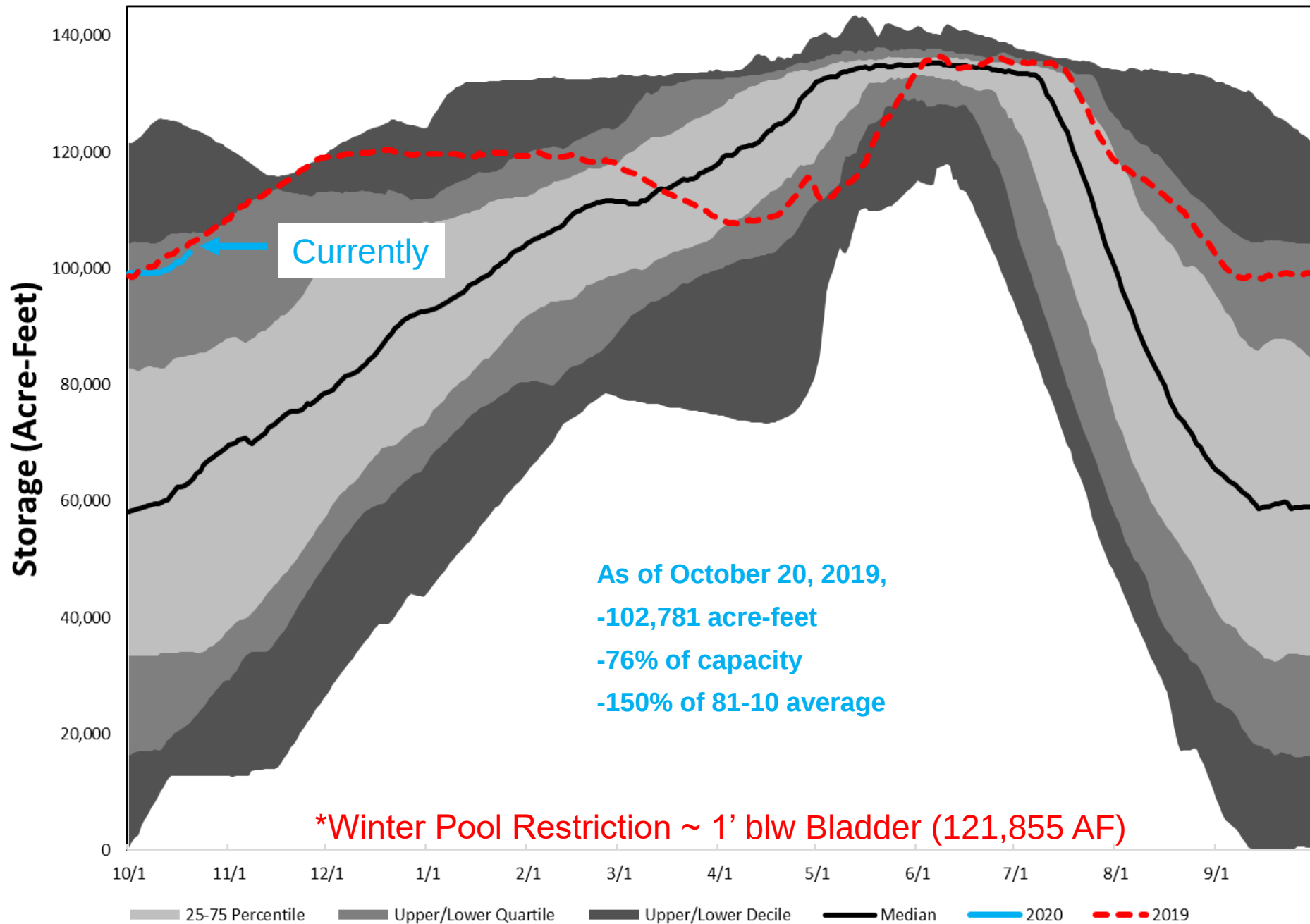
As of October 20, 2019,

Parameter	2020 (AF)	2019 (AF)	% of Average
System	2,019,153	1,912,196	125%
JCK + PAL	1,427,214	1,235,090	147%
AMF	337,937	418,775	71%
ISL	102,781	104,376	150%



PROVISIONAL DATA - Subject to change

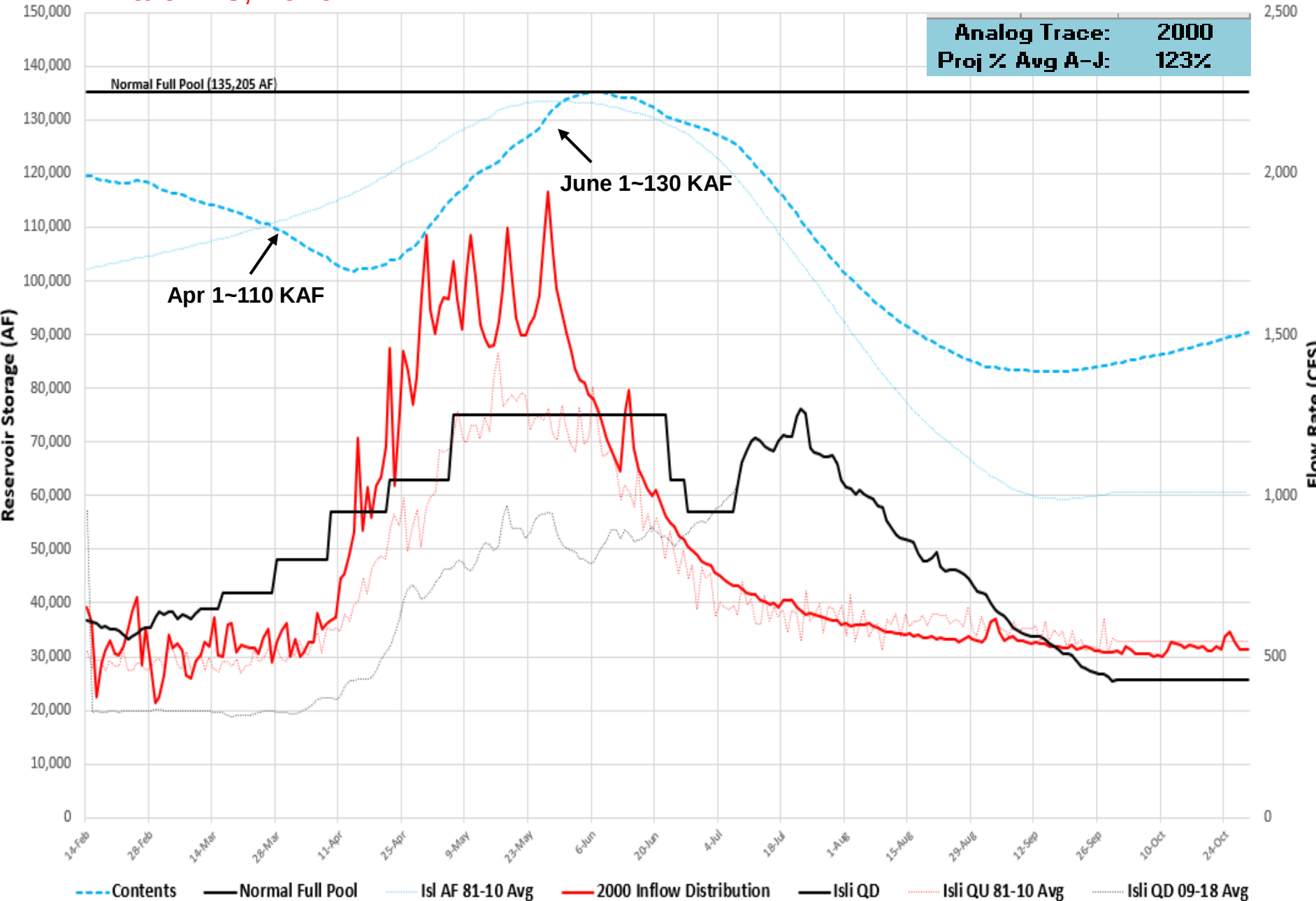
Island Park Reservoir Storage (Acre-Feet)



Water Year 2019 Review - Slide from March 13, 2019 Presentation

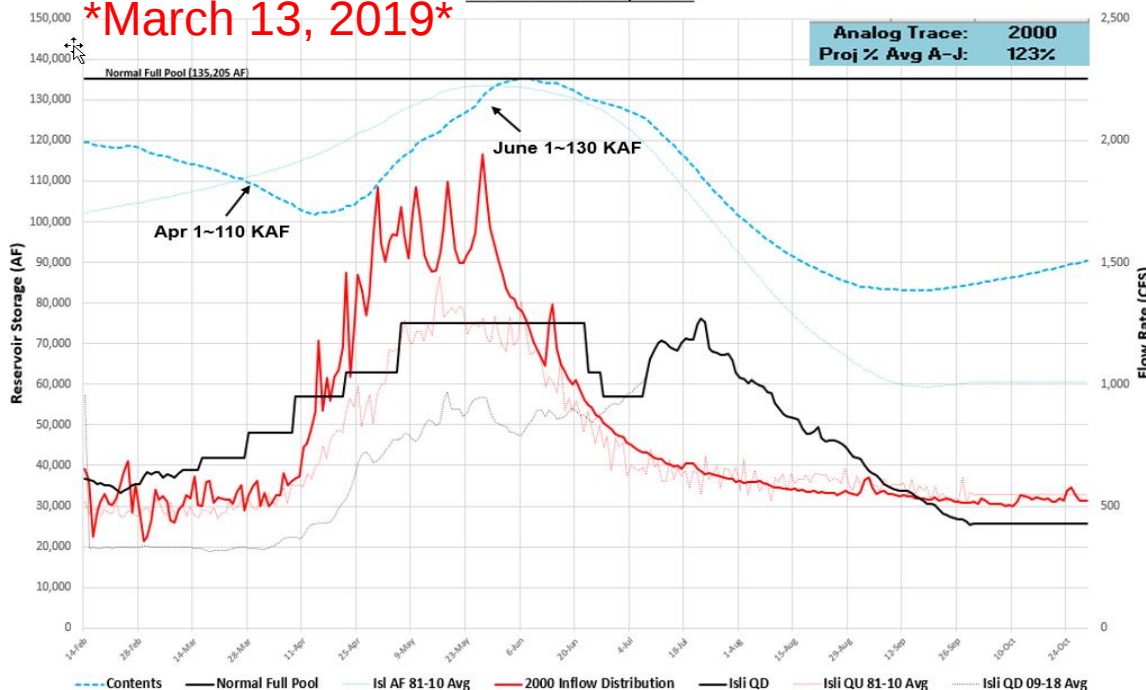
March 13, 2019

Island Park Reservoir Operations



March 13, 2019

Island Park Reservoir Operations



March 13 Projection

April 1 ~ 110 KAF

June 1 ~ 130 KAF

Fill – 1st week of June

Sep 30 ~ 85-90 KAF

Observed Conditions

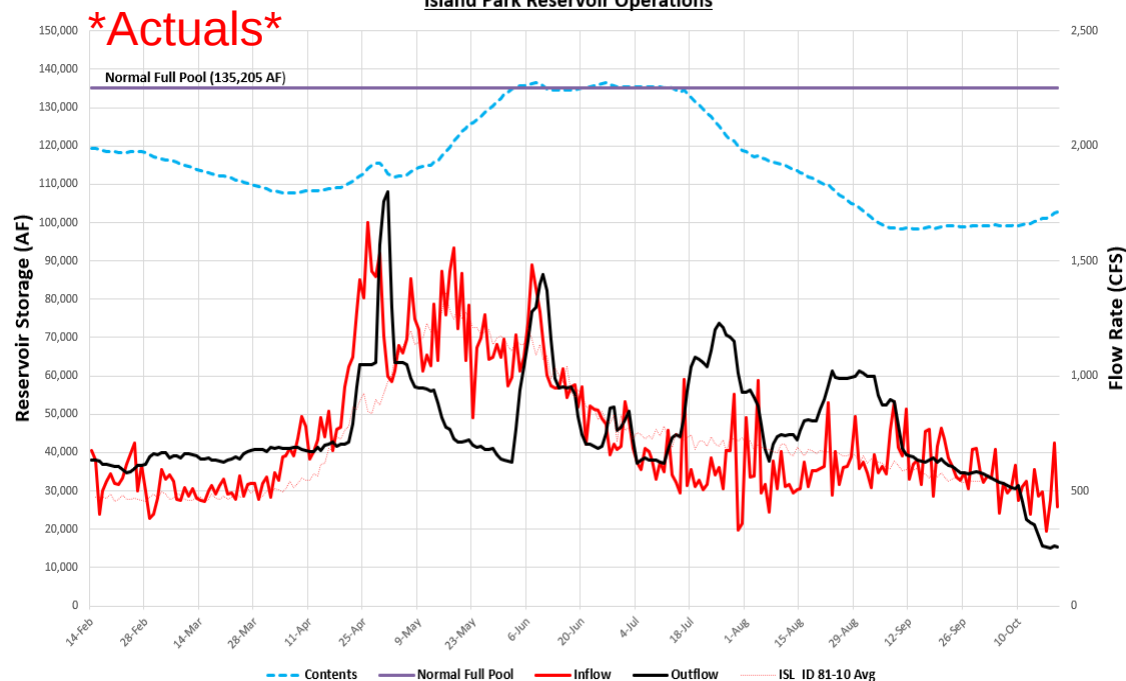
April 1 ~ 108 KAF

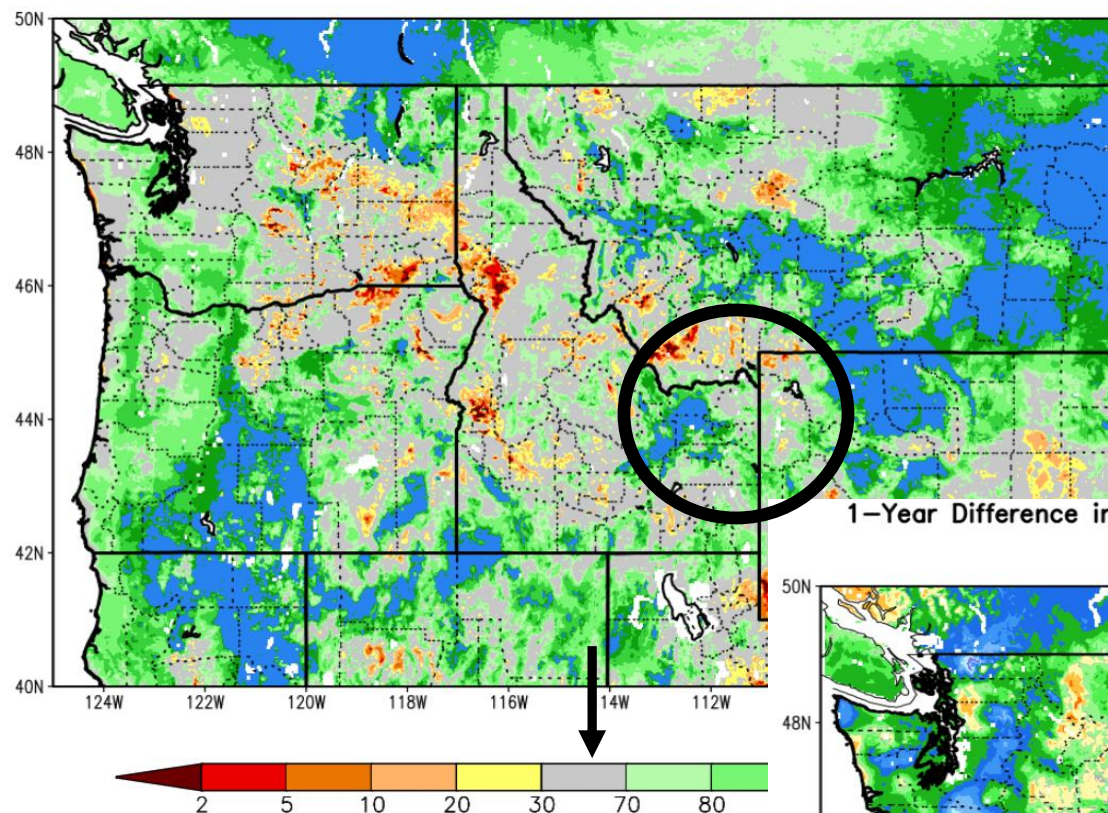
June 1 ~ 134 KAF

Filled on June 3, 2019

Sep 30 ~ 99 KAF AF

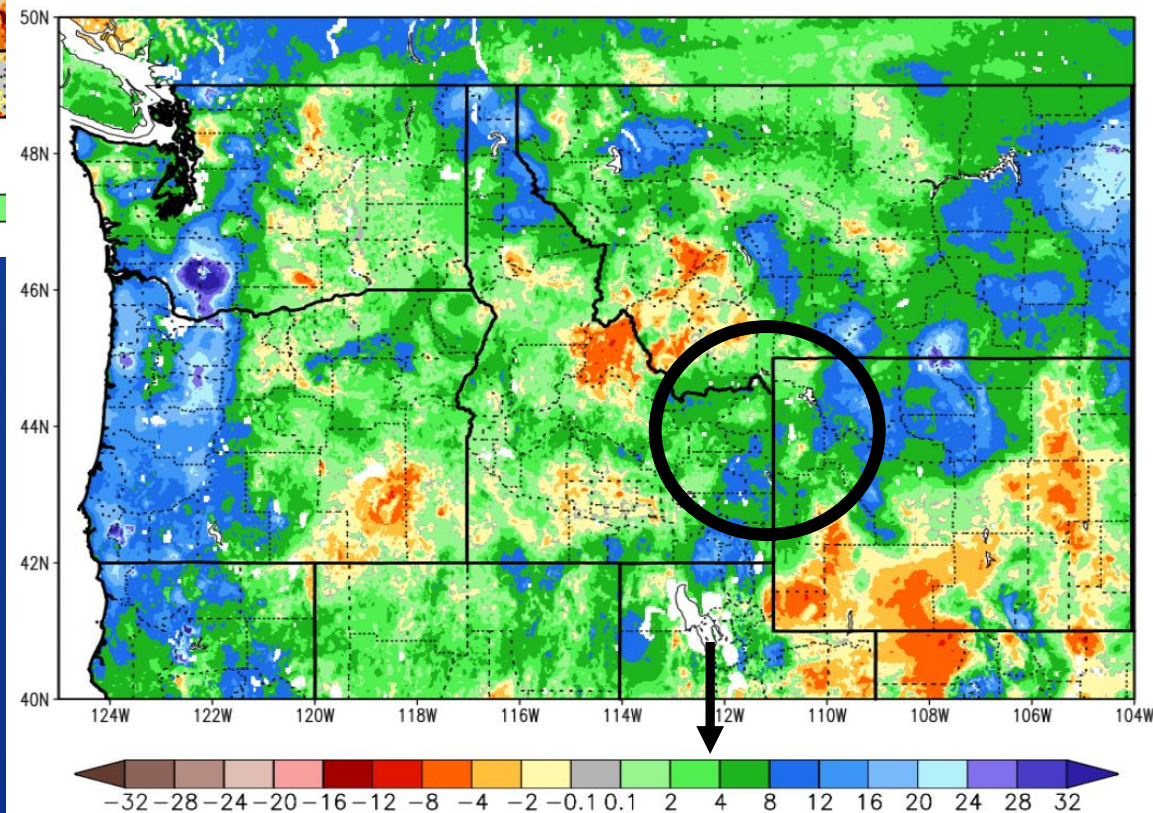
Island Park Reservoir Operations





--Antecedent Conditions

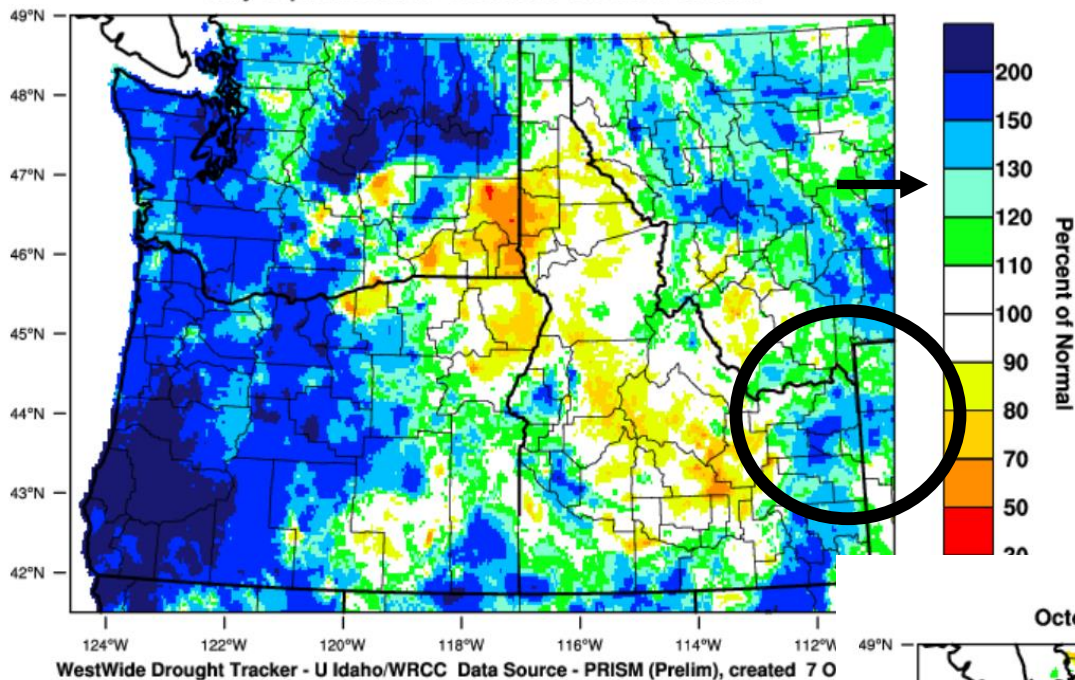
1-Year Difference in Column Relative Soil Moisture (%) valid 12z 08 Oct 2019



--SM has limited POR
--Year-to-year Comparisons

Pacific Northwest - Precipitation

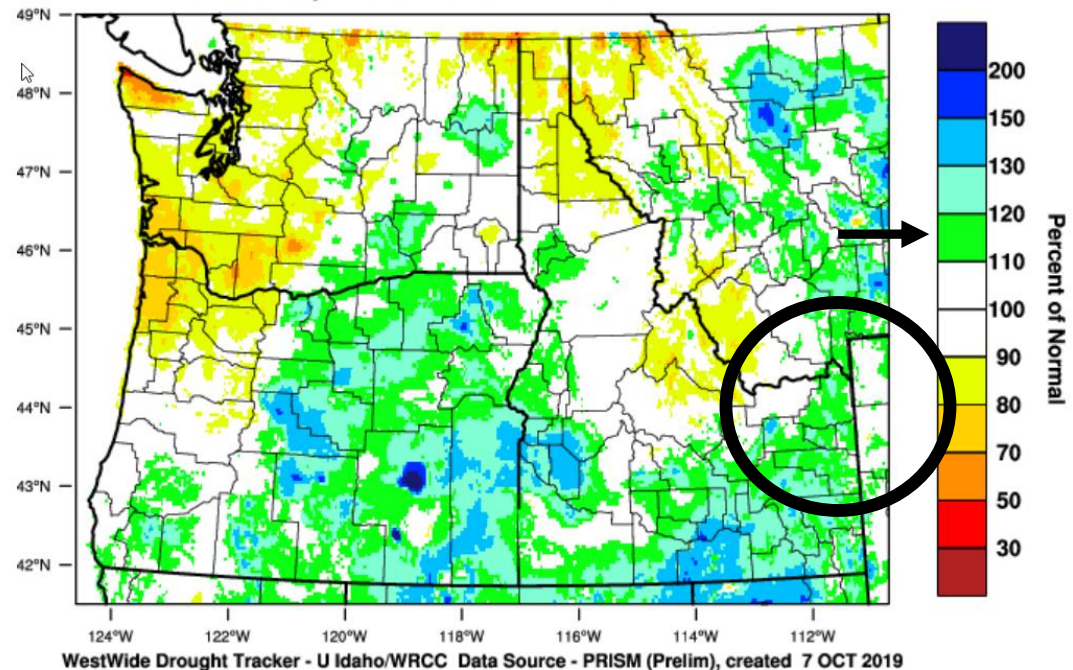
July-September 2019 Percent of 1981-2010 Normal



--Previous Three Months

Pacific Northwest - Precipitation

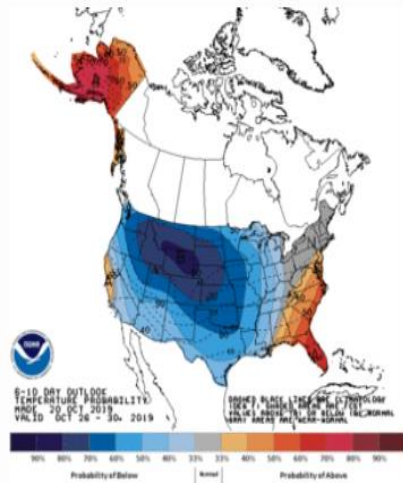
October-September 2019 Percent of 1981-2010 Normal



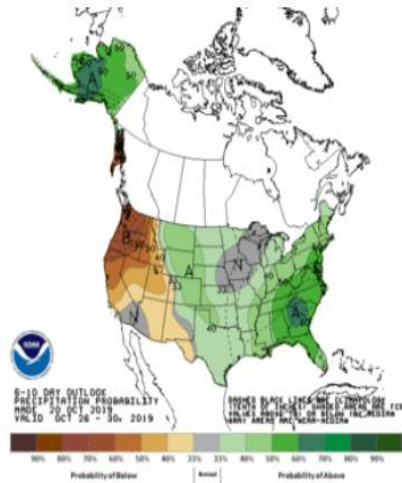
--Water Year Precipitation
--West versus East Tetons

As of Oct 21

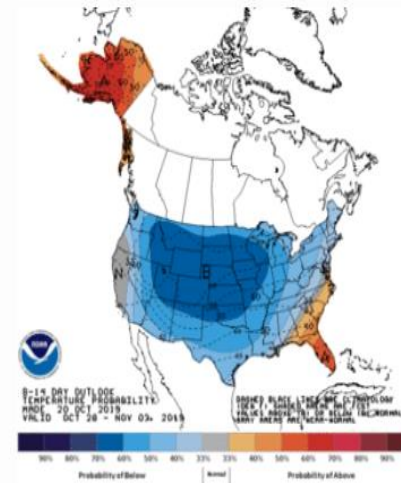
**NOAA CPC 6 to 10 Day
Temperature Probability
Outlook**



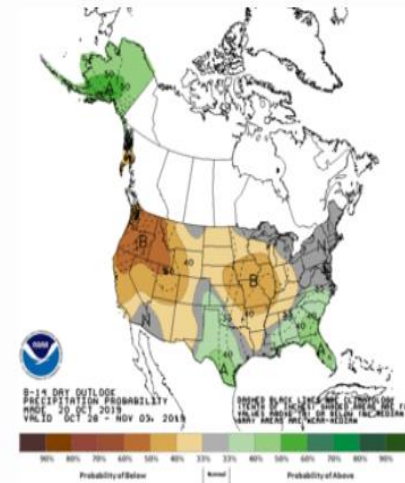
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Precipitation Probability
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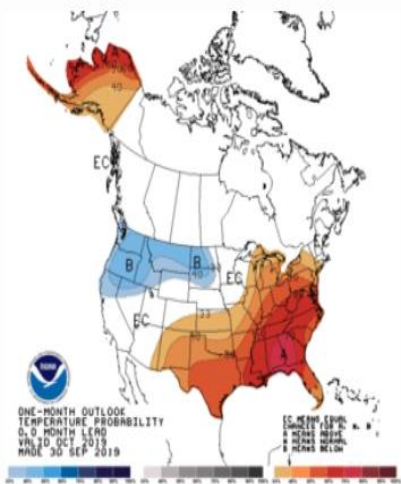
**NOAA CPC 8 to 14 Day
Temperature Probability
Outlook**



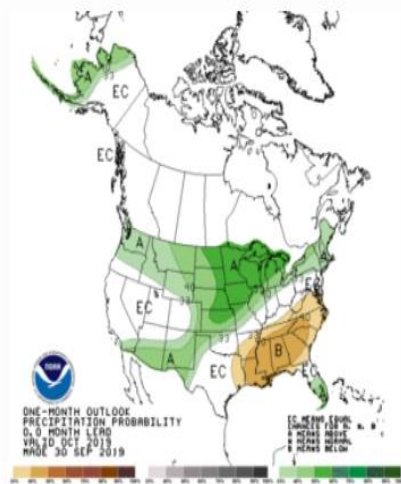
**NOAA CPC 8 to 14 Day
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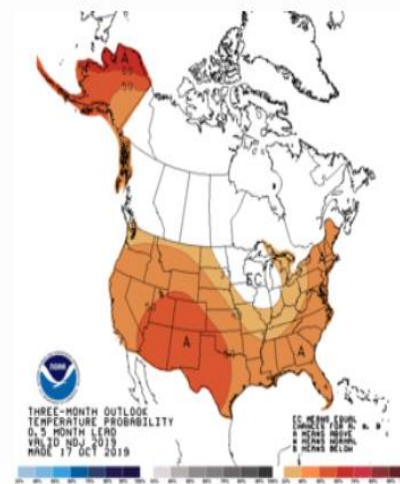
**One Month Outlook -
Temperature Probability**



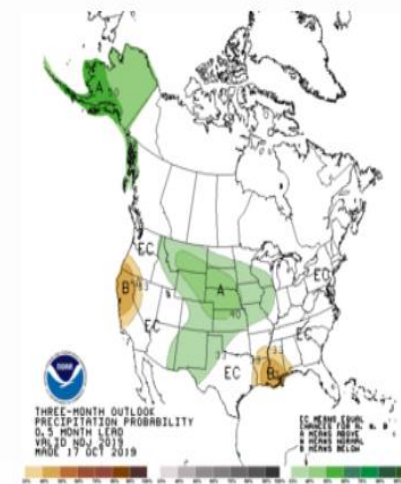
**One Month Outlook -
Precipitation Probability**



**Three Month Outlook -
Temperature Probability**



**Three Month Outlook -
Precipitation Probability**



Upper Snake River Operations Summary

➤ Henry's Fork

- Island Park's – Filling to 118-120 KAF prior to December 1 and then passing inflow
- Grassy Lake – Normal operations are expected

➤ South Fork

- Jackson Lake – Current outflow of 280 cfs is expected to be maintained through winter months
- Palisades – Release is currently 1,750 cfs and will be reduced to 900 cfs
- Ririe – On target to achieve winter storage target

➤ Lower System

- American Falls – Reduced to minimum gate opening discharge today (10/22) ~375 cfs
- Minidoka Dam/Lake Walcott – Typical winter operations are expected with a release of 550 cfs
- Milner – Idaho Power is expecting to begin making releases to the river at 11 AM today.

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For More Information

Snake River Area Office

- Roland Springer - Area Manager
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Upper Snake Field Office - 208-678-0461

- Ryan Newman – Assistant Area Manager (x34)
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- Brian Stevens – USFO Water Operations Manager (x24)
bstevens@usbr.gov
- Jeremy Dalling - USFO Reservoir Operations Lead (x25)
jdalling@usbr.gov
- Darrin Fredrickson - USFO W&L Staff Assistant (x17)
dfredrickson@usbr.gov

Snake River Operations Web Sites

- 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.nwrhc.noaa.gov/rfc/>
- NRCS SNOTEL Data - <http://www.id.nrcs.usda.gov/snow/>

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