

# TROA Update & Scheduling Summary

*Truckee River Basin Water Group (TRBWG)*

Jim Eto, PE

Jesus Esparza, PE

Tom Scott, PE

California Department of Water Resources

April 7, 2020

# Overview

- Precipitation Forecast
- 50% Forecasted Reservoir Operations

# Precipitation Forecasts

Precipitation (in)  
during the period:

Tue, 07 APR 2020 at 12Z

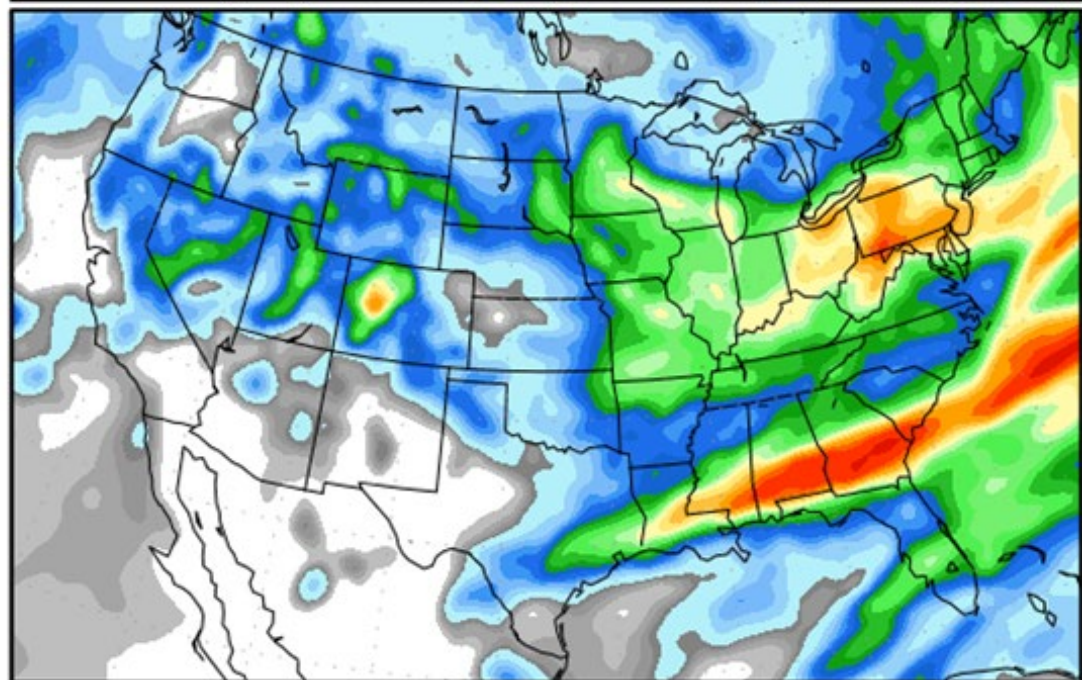
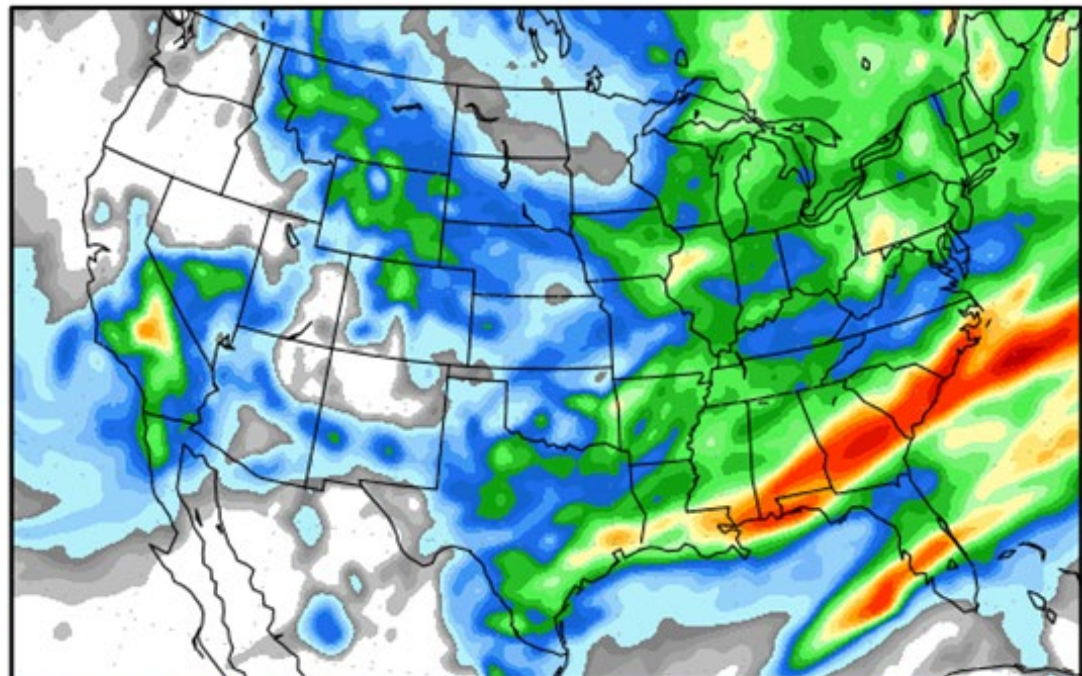
-to-

Wed, 15 APR 2020 at 12Z

Wed, 15 APR 2020 at 12Z

-to-

Thu, 23 APR 2020 at 12Z



# Temperature Forecasts

Mean Surface Temperature (°F)  
during the period:

Tue, 07 APR 2020 at 12Z

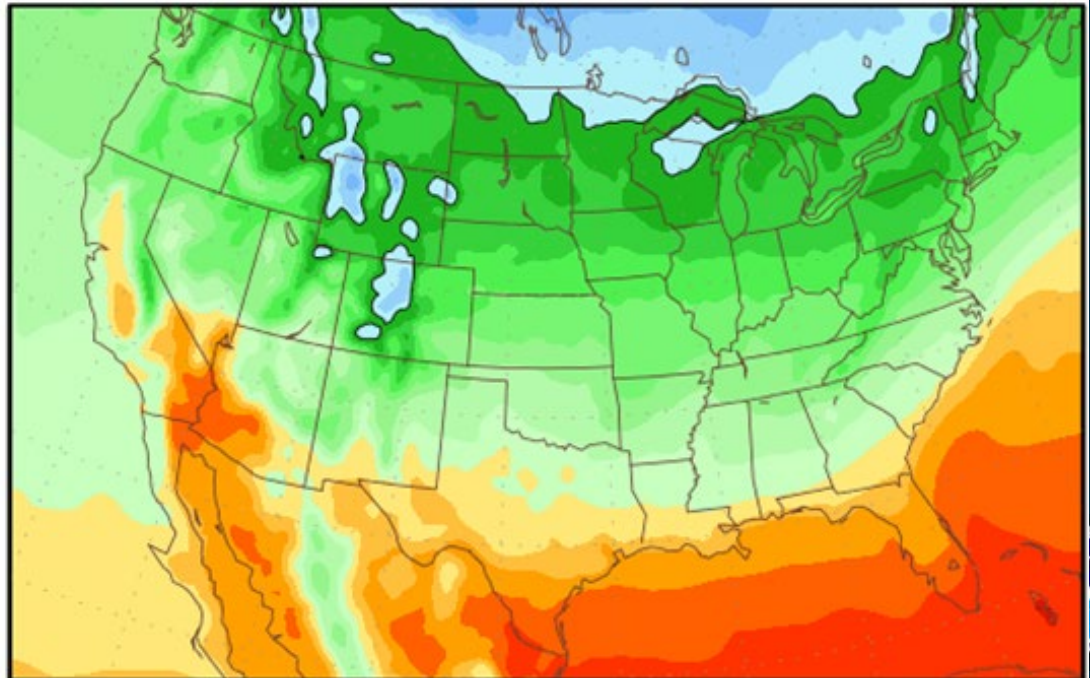
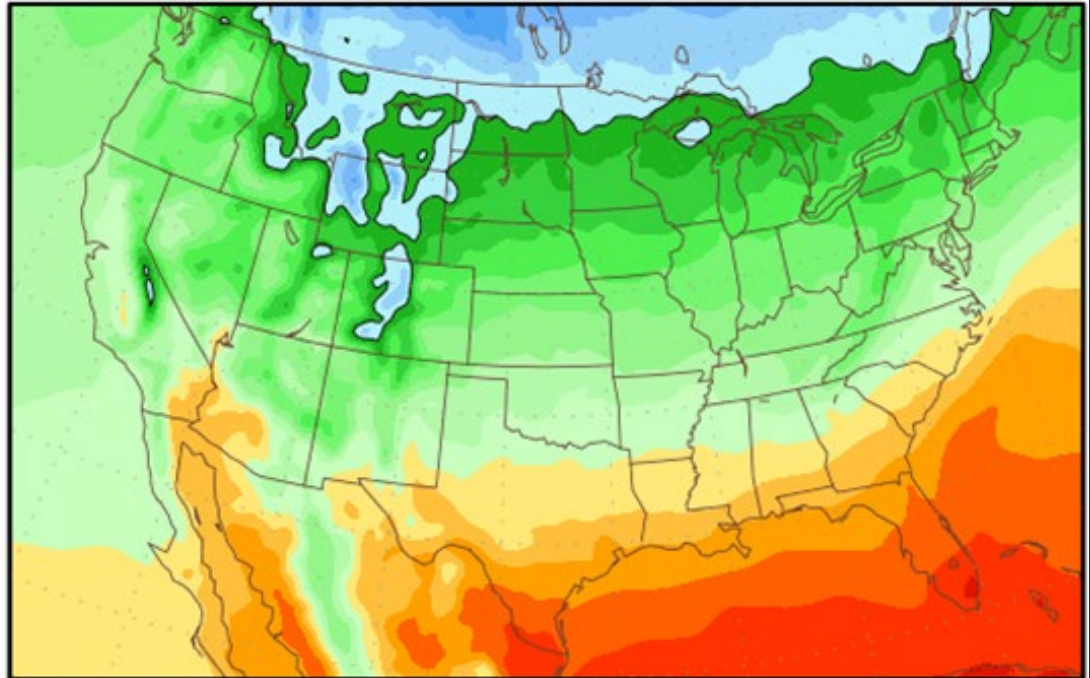
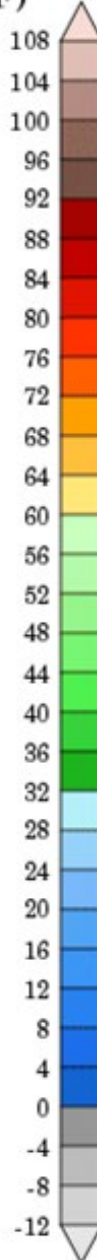
-to-

Wed, 15 APR 2020 at 12Z

Wed, 15 APR 2020 at 12Z

-to-

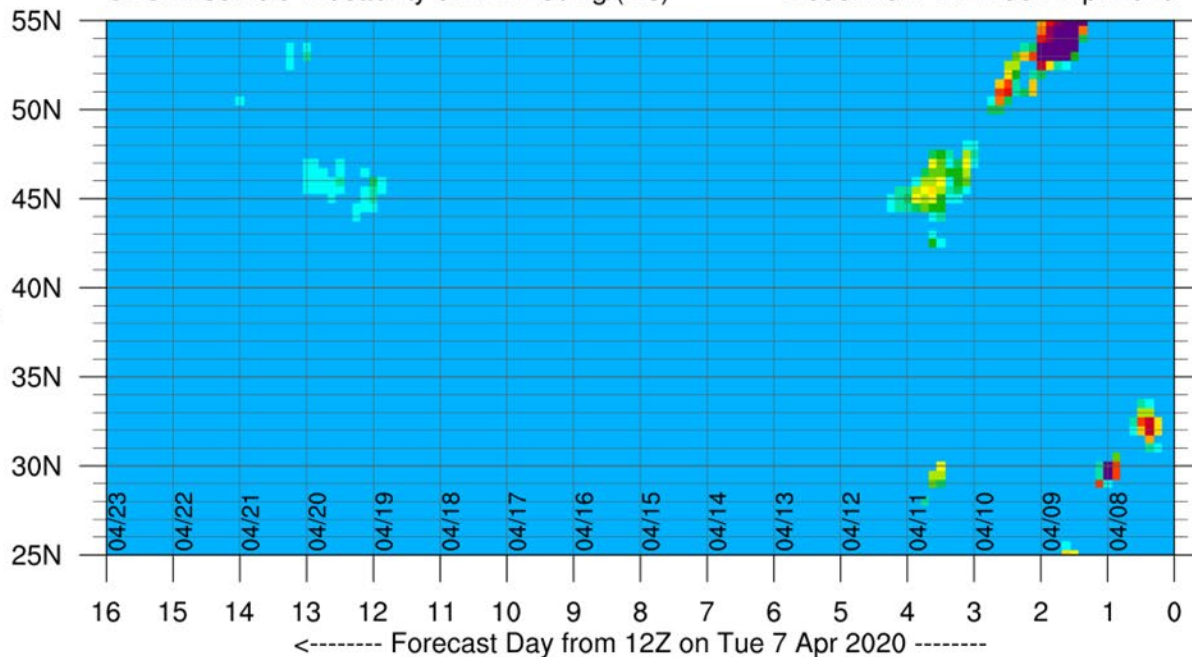
Thu, 23 APR 2020 at 12Z



Latitude along U.S. West Coast

GFS Ensemble Probability of IVT > 250 kg/(ms)

Model Run: 12Z Tue 7 Apr 2020



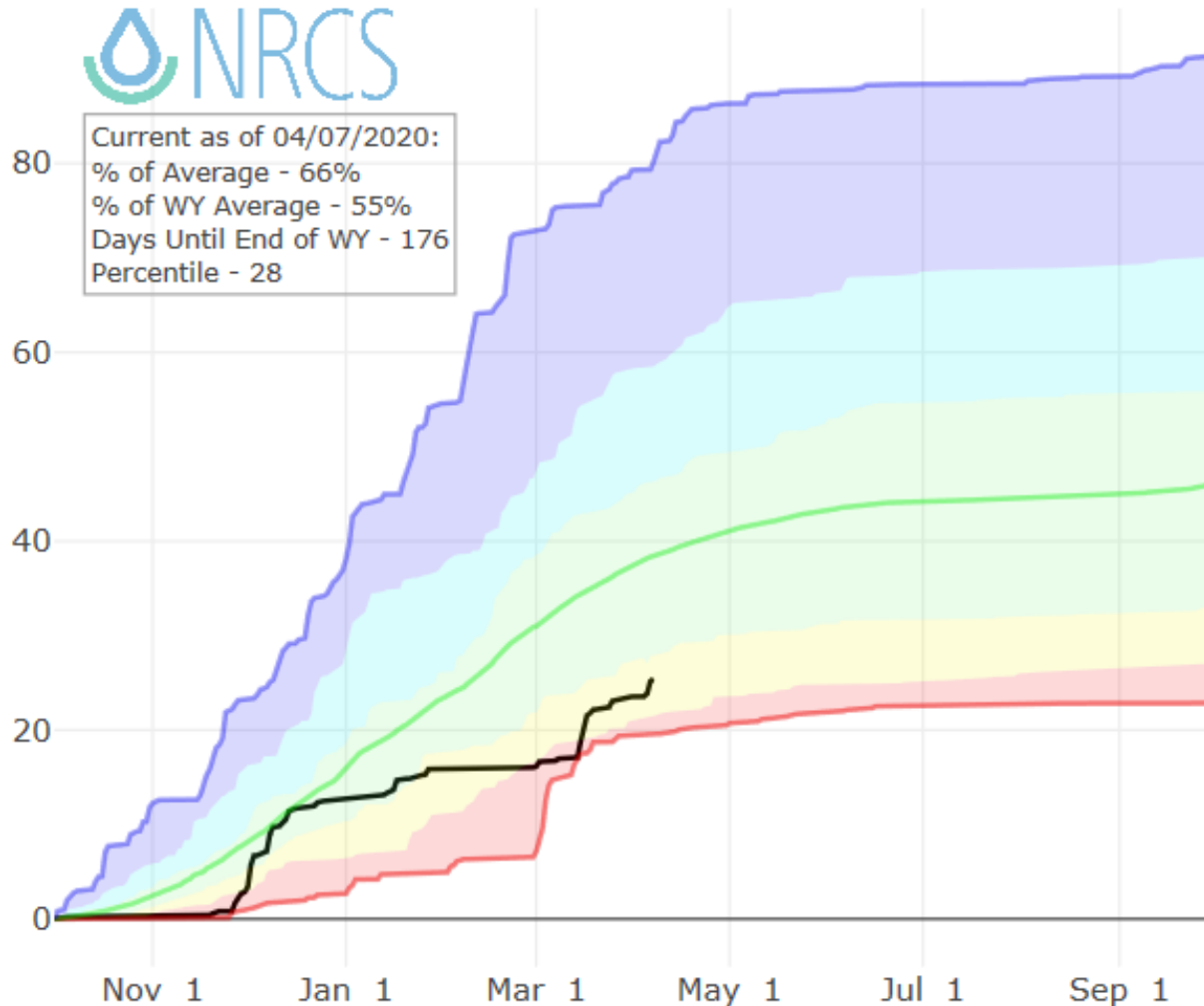
# Precipitation in Truckee

Jan Apr July WY



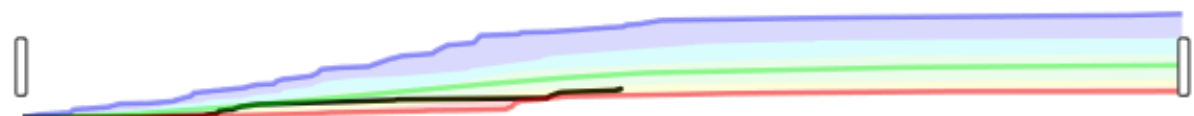
Current as of 04/07/2020:  
% of Average - 66%  
% of WY Average - 55%  
Days Until End of WY - 176  
Percentile - 28

WY Accumulated Precip. (in.)



Station List

- Max
- Average (POR)
- Average ('81-'10)
- Min
- Stats. Shading
- 2020 (11 sites)
- 2019 (11 sites)
- 2018 (11 sites)
- 2017 (11 sites)
- 2016 (11 sites)
- 2015 (11 sites)
- 2014 (11 sites)
- 2013 (11 sites)
- 2012 (11 sites)
- 2011 (11 sites)
- 2010 (11 sites)
- 2009 (11 sites)
- 2008 (11 sites)
- 2007 (11 sites)



Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles.

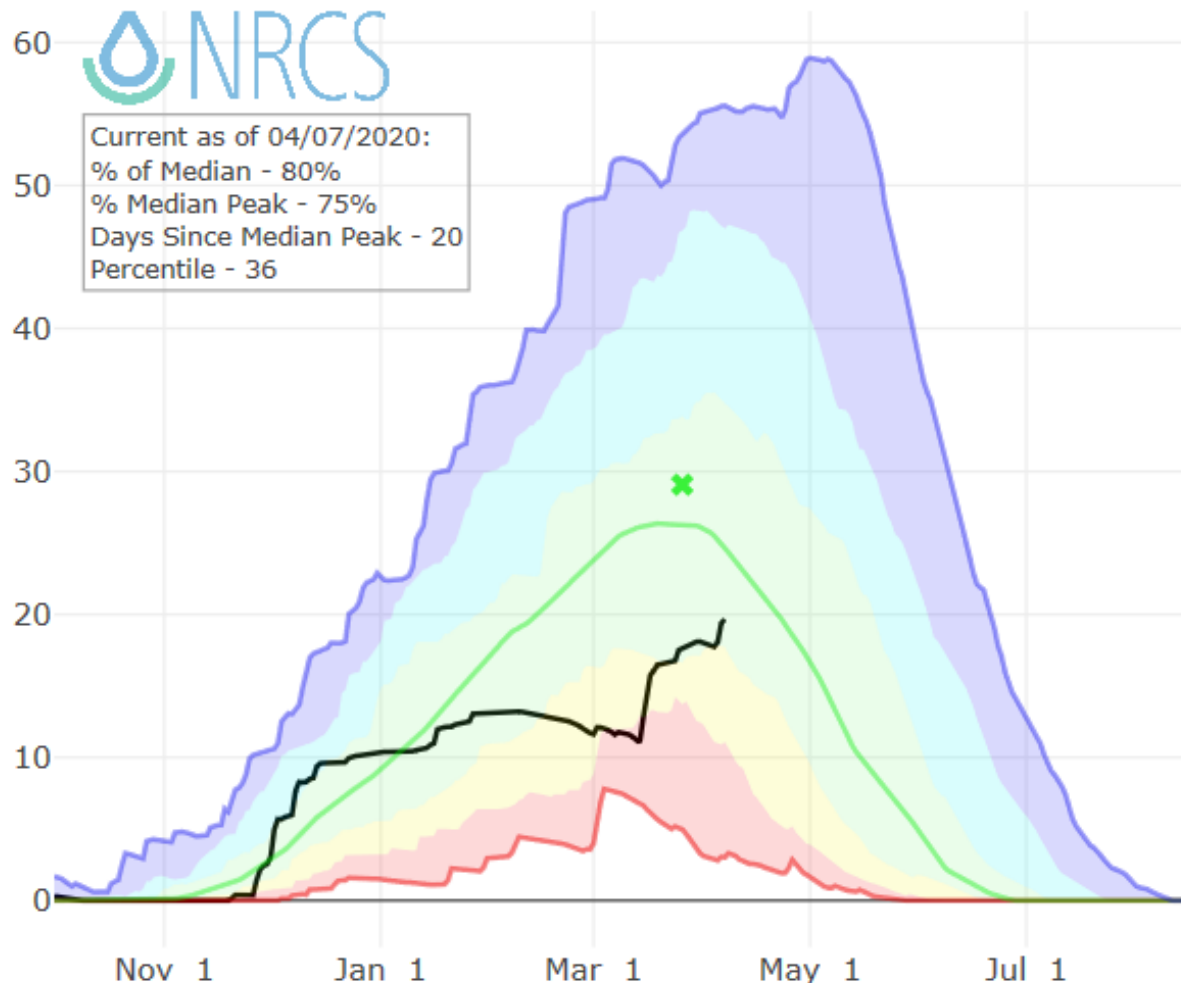
# Snow Water Equivalent in Truckee

Jan Apr July WY



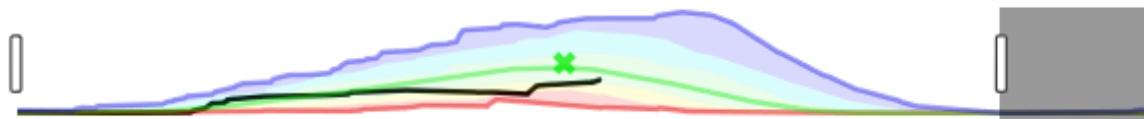
Current as of 04/07/2020:  
 % of Median - 80%  
 % Median Peak - 75%  
 Days Since Median Peak - 20  
 Percentile - 36

Snow Water Equivalent (in.)



Station List

- ✖ Median Peak SWE
- Max
- - - Median (POR)
- Median ('81-'10)
- Min
- Stats. Shading
- 2020 (11 sites)
- 2019 (11 sites)
- 2018 (11 sites)
- 2017 (11 sites)
- 2016 (11 sites)
- 2015 (11 sites)
- 2014 (11 sites)
- 2013 (11 sites)
- 2012 (11 sites)
- 2011 (11 sites)
- 2010 (11 sites)
- 2009 (11 sites)
- 2008 (11 sites)

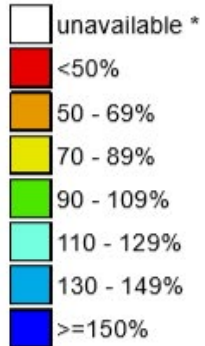


Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles.

# Nevada/California SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

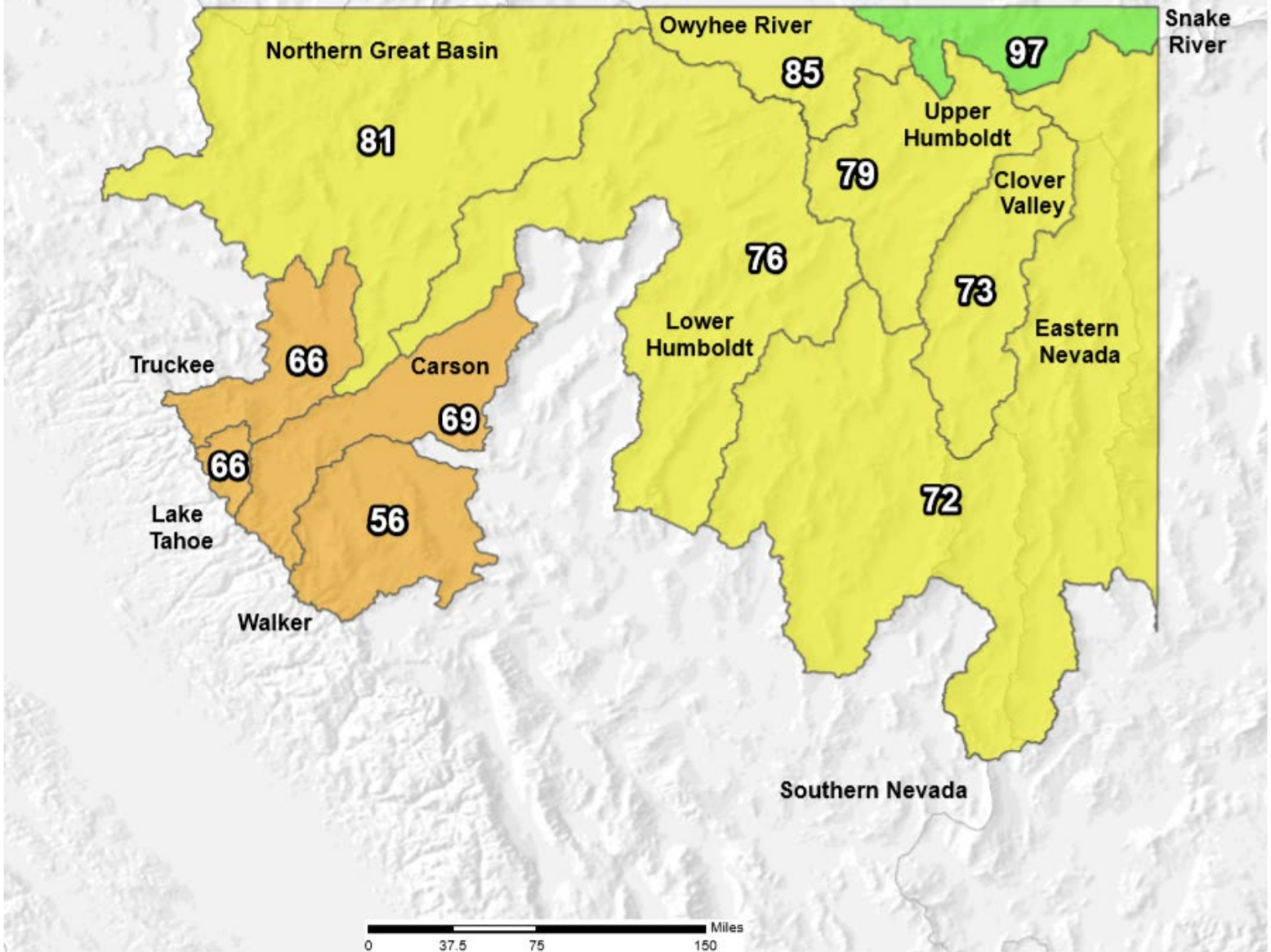
Apr 07, 2020

Water Year (Oct 1)  
to Date Precipitation  
Basin-wide Percent  
of 1981-2010 Average



\* Data unavailable  
at time of posting  
or measurement  
is not representative  
at this time of year

*Provisional data  
subject to revision*



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

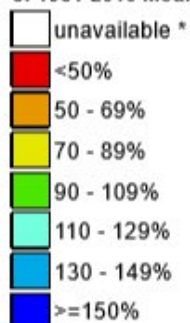
Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>



# Nevada/California SNOTEL Current Snow Water Equivalent (SWE) % of Normal

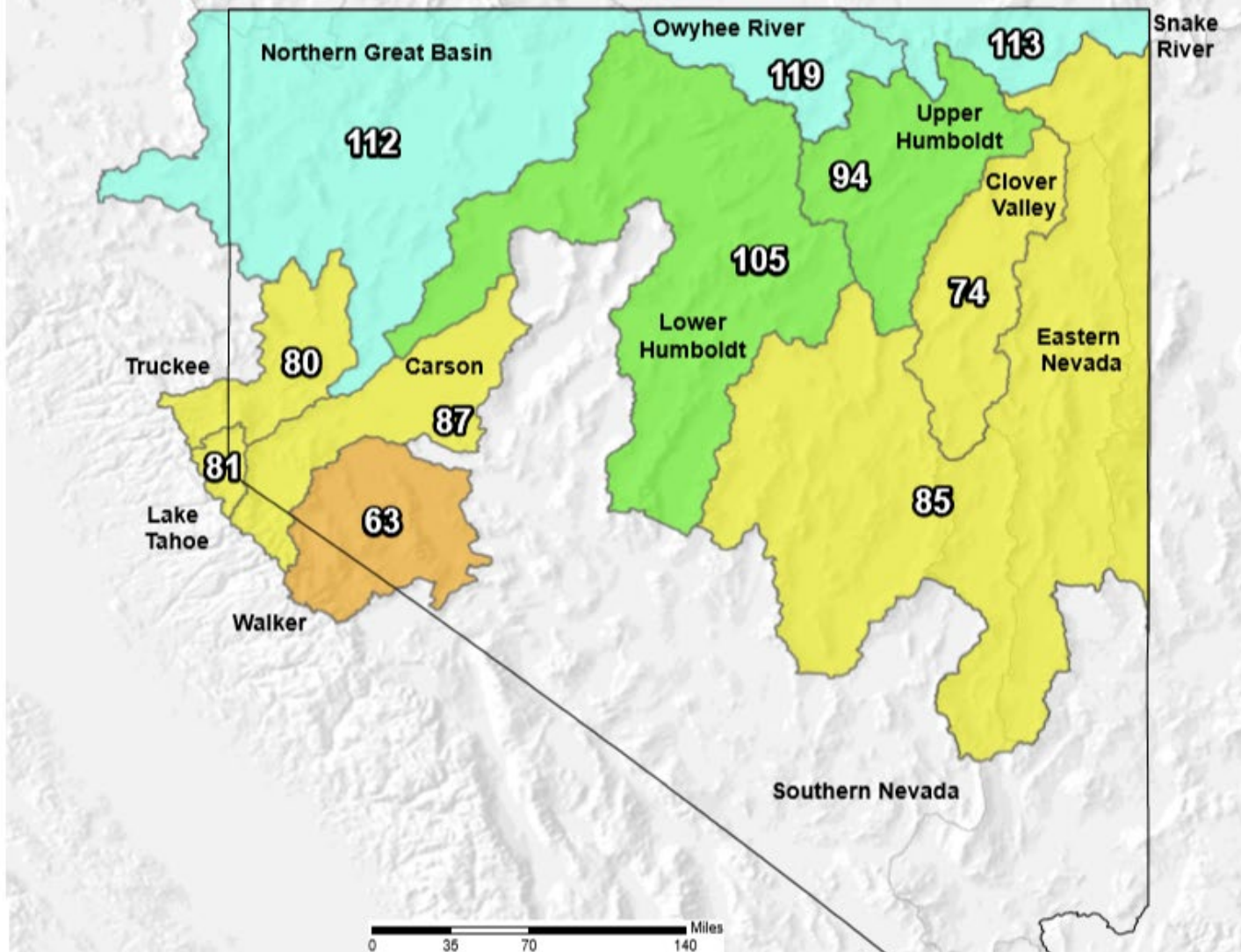
Apr 07, 2020

Current Snow Water Equivalent Basin-wide Percent of 1981-2010 Median



\* Data unavailable at time of posting or measurement is not representative at this time of year

Provisional data subject to revision

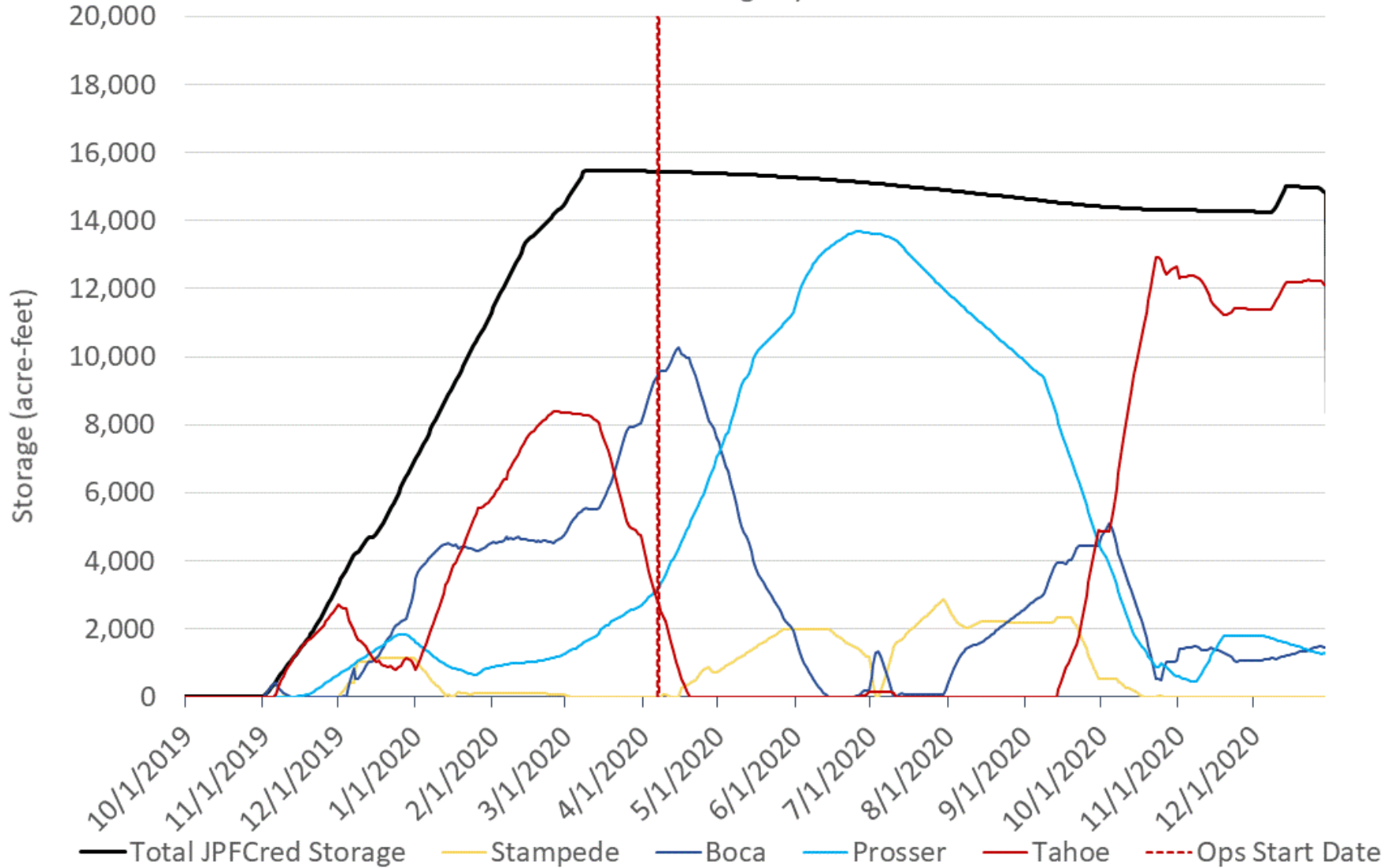


The current snow water equivalent percent of normal represents the snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>

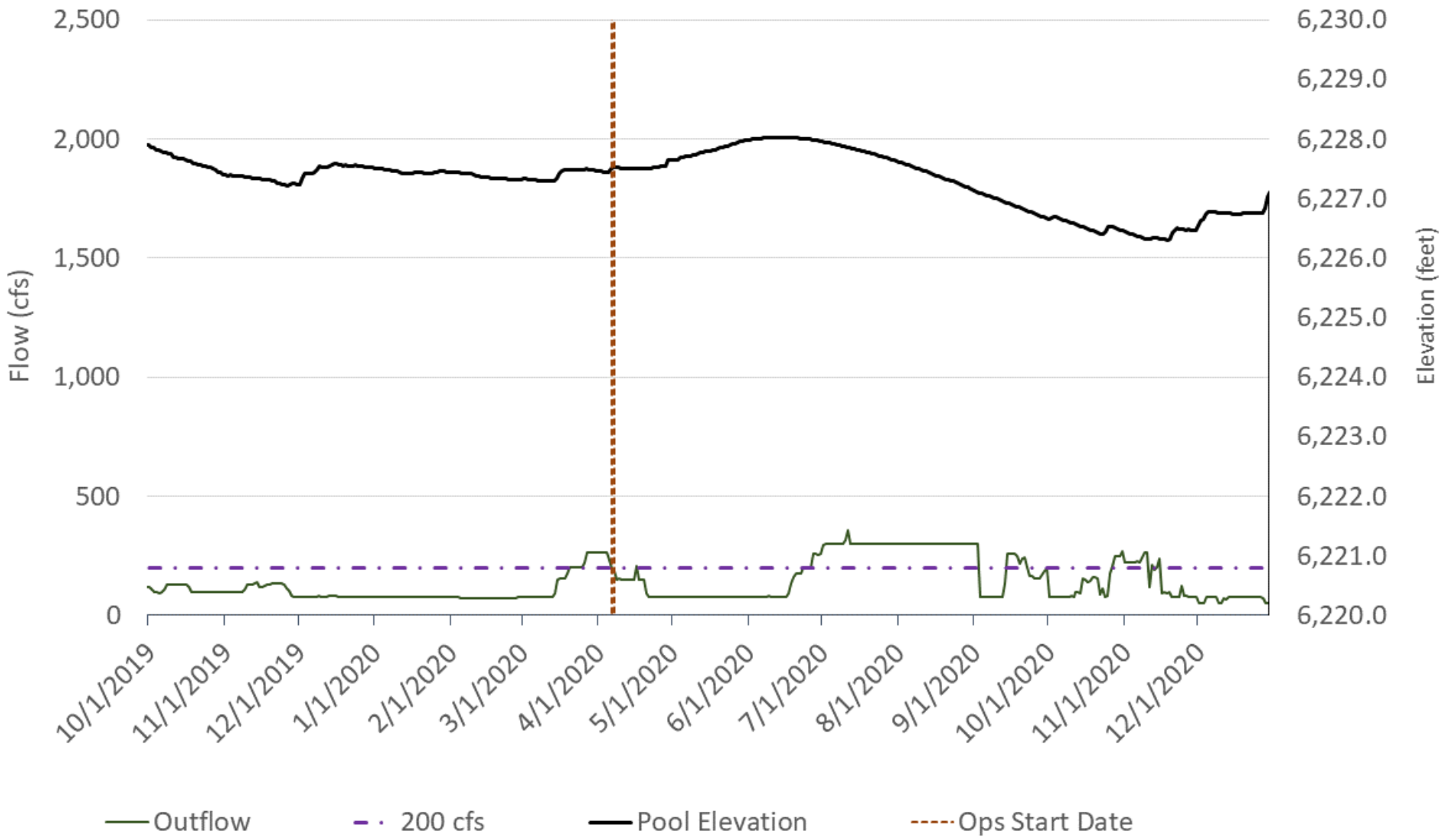
# Joint Program Credit Water Distribution

JPFcred Storage By Reservoir



\*Projected Schedule Subject to Change

Tahoe Elevation and Outflow

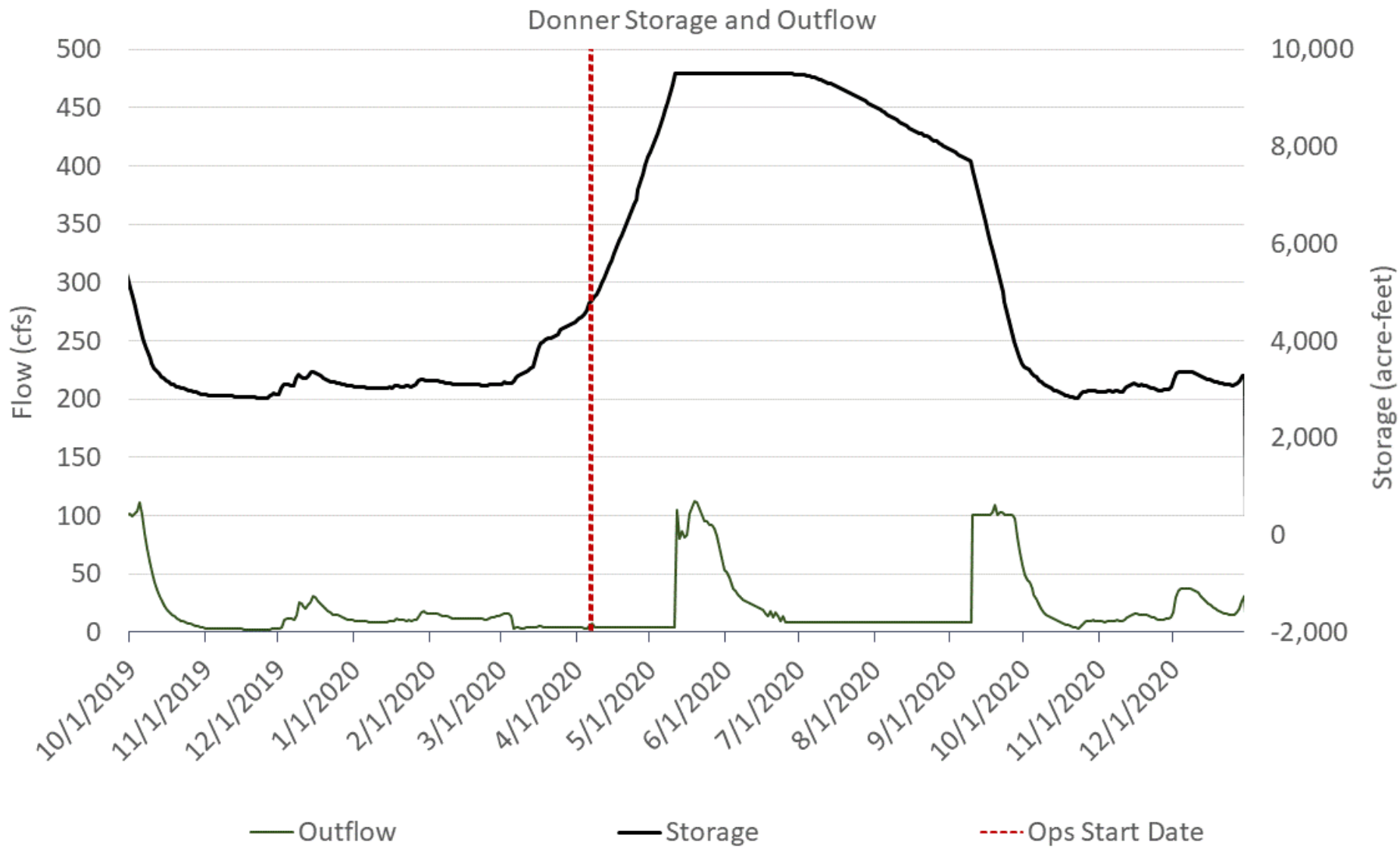


\*Projected Schedule Subject to Change

### Boca Storage and Outflow

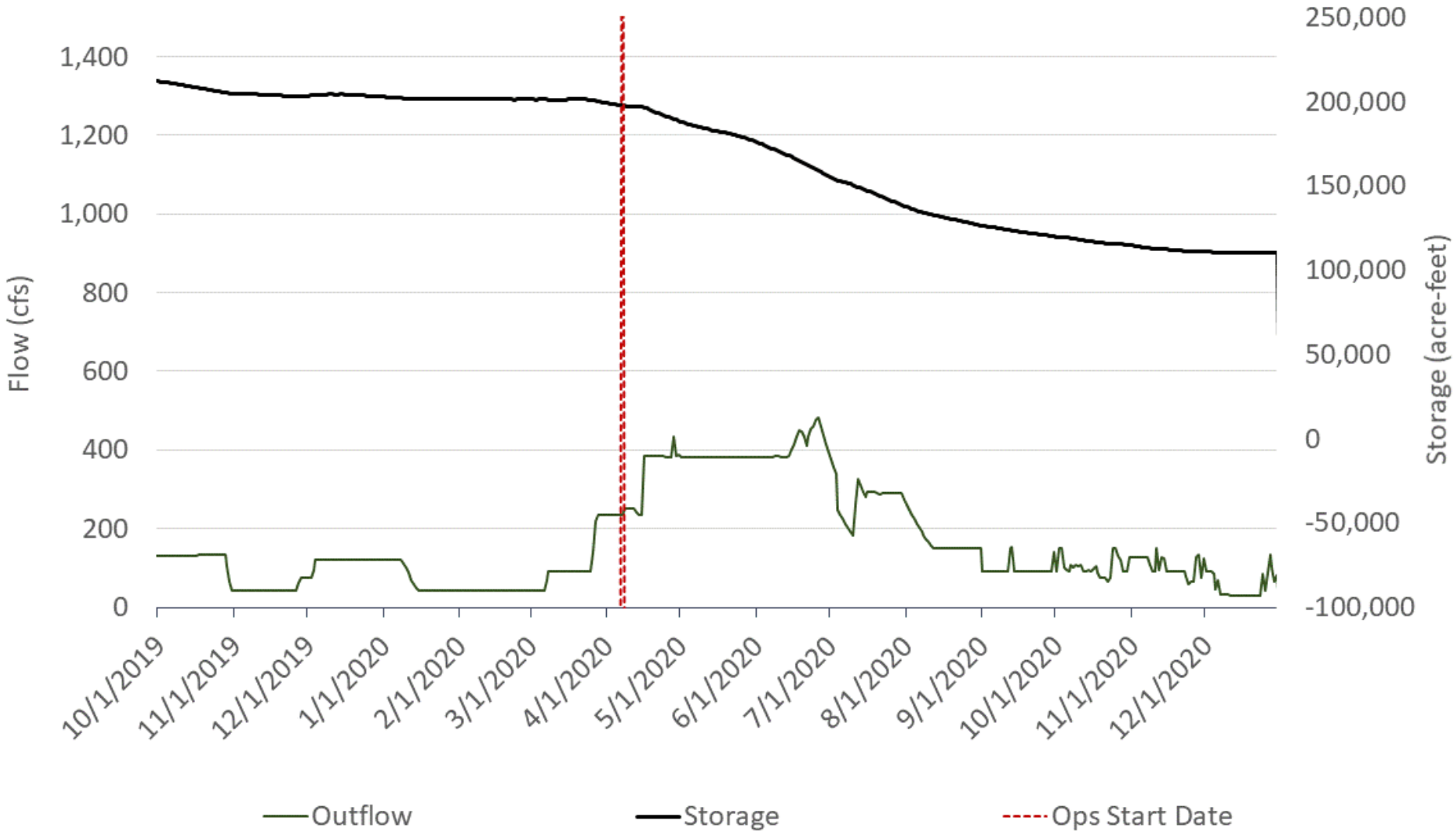


\*Projected Schedule Subject to Change



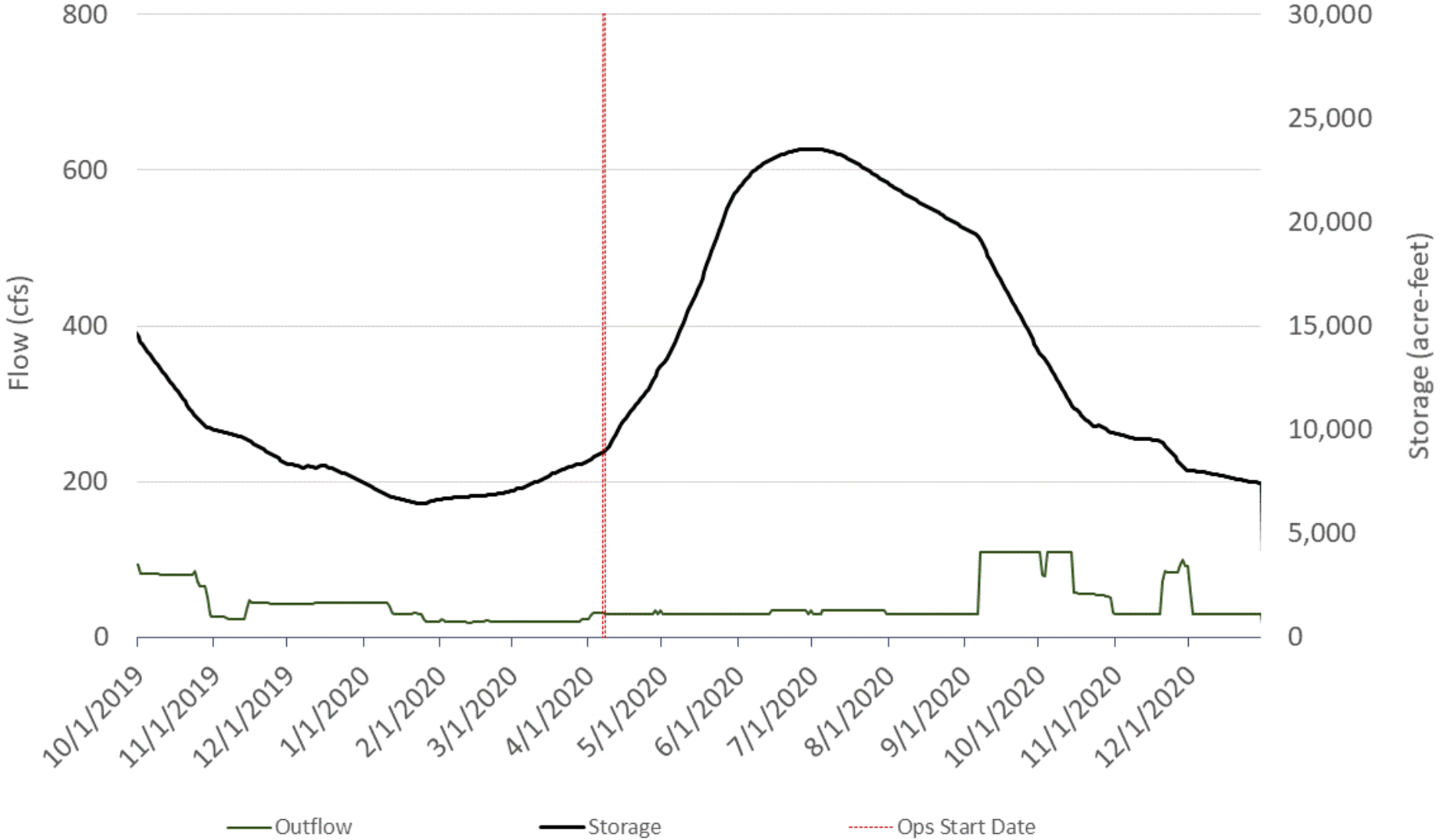
\*Projected Schedule Subject to Change

### Stampede Storage and Outflow



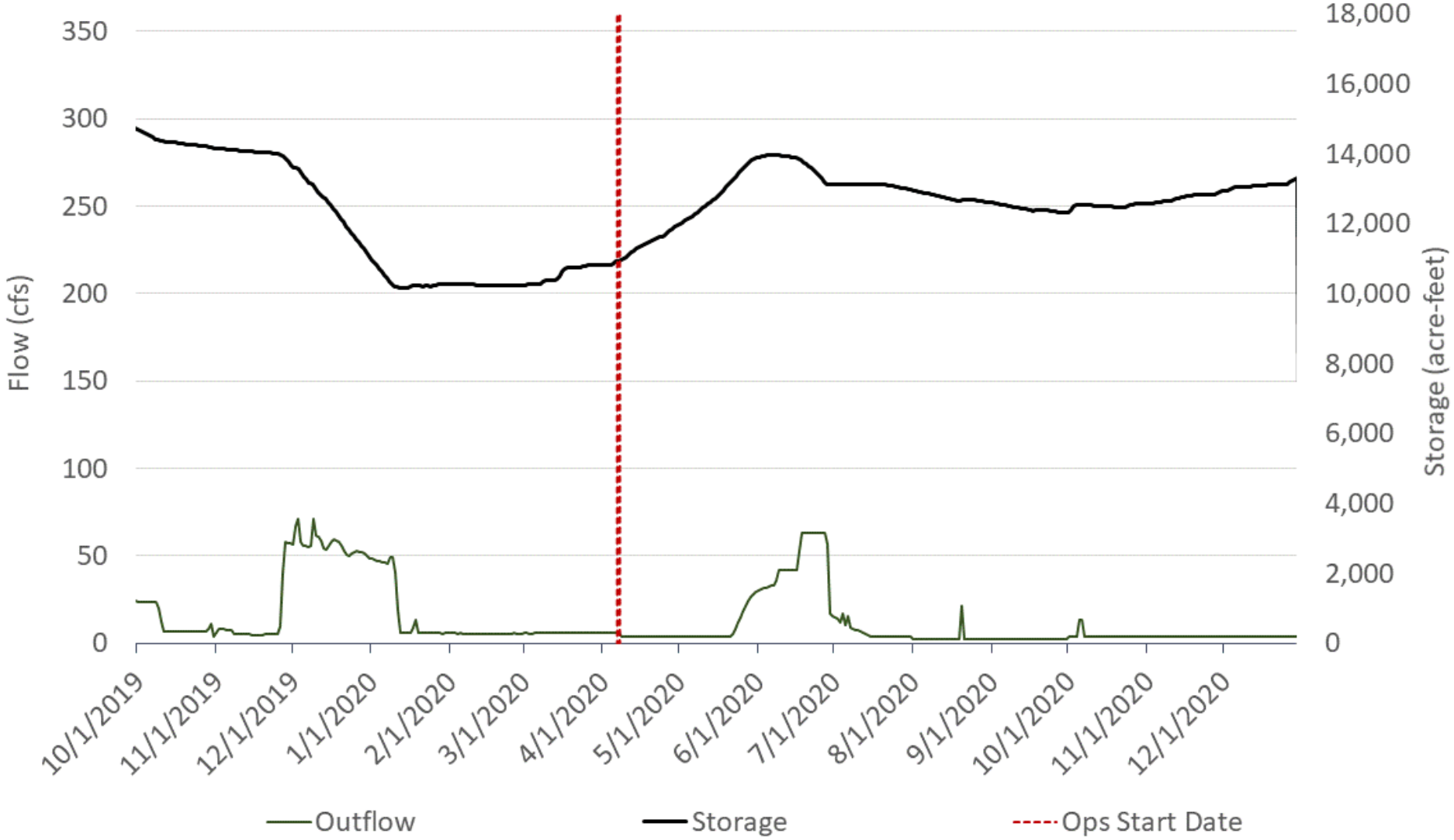
\*Projected Schedule Subject to Change

### Prosser Storage and Outflow



\*Projected Schedule Subject to Change

### Independence Storage and Outflow





**Questions?**