

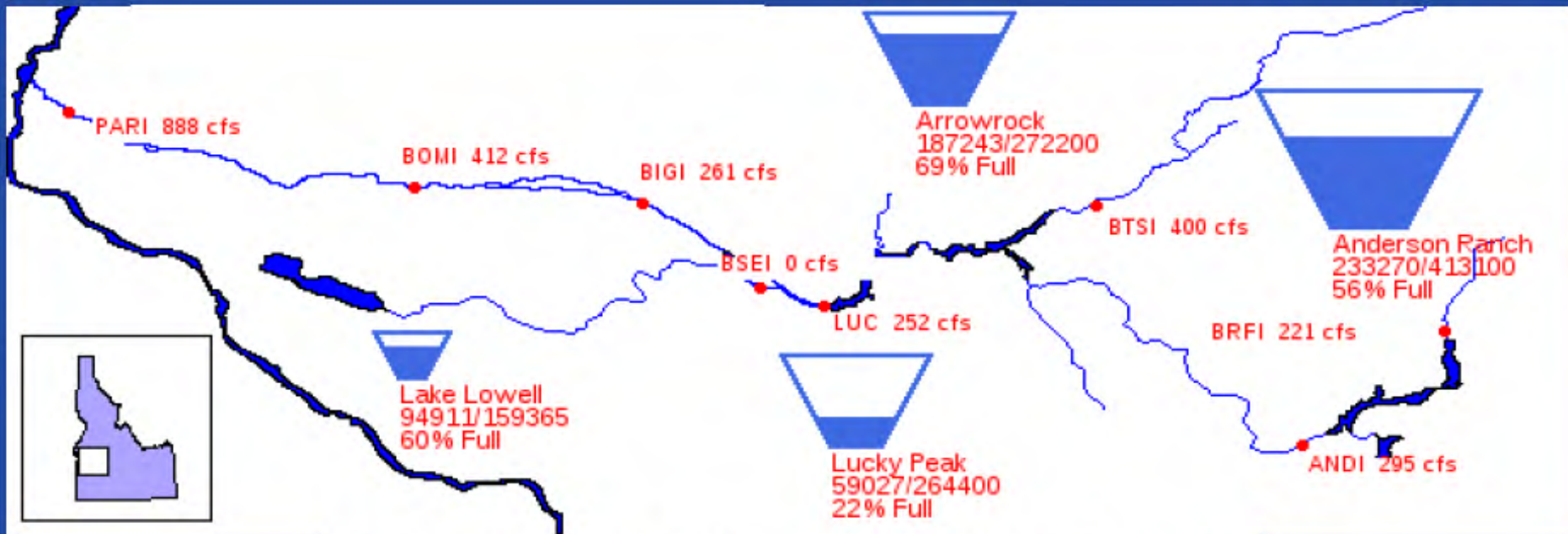
2019 Idaho Water Supply Committee Meeting

February 13, 2019

Ryan Hedrick

Middle Snake Field Office – Water Operations

Boise R. Reservoir System



Boise River system (Anderson Ranch, Arrowrock, Lucky Peak) is at 50 % of capacity.

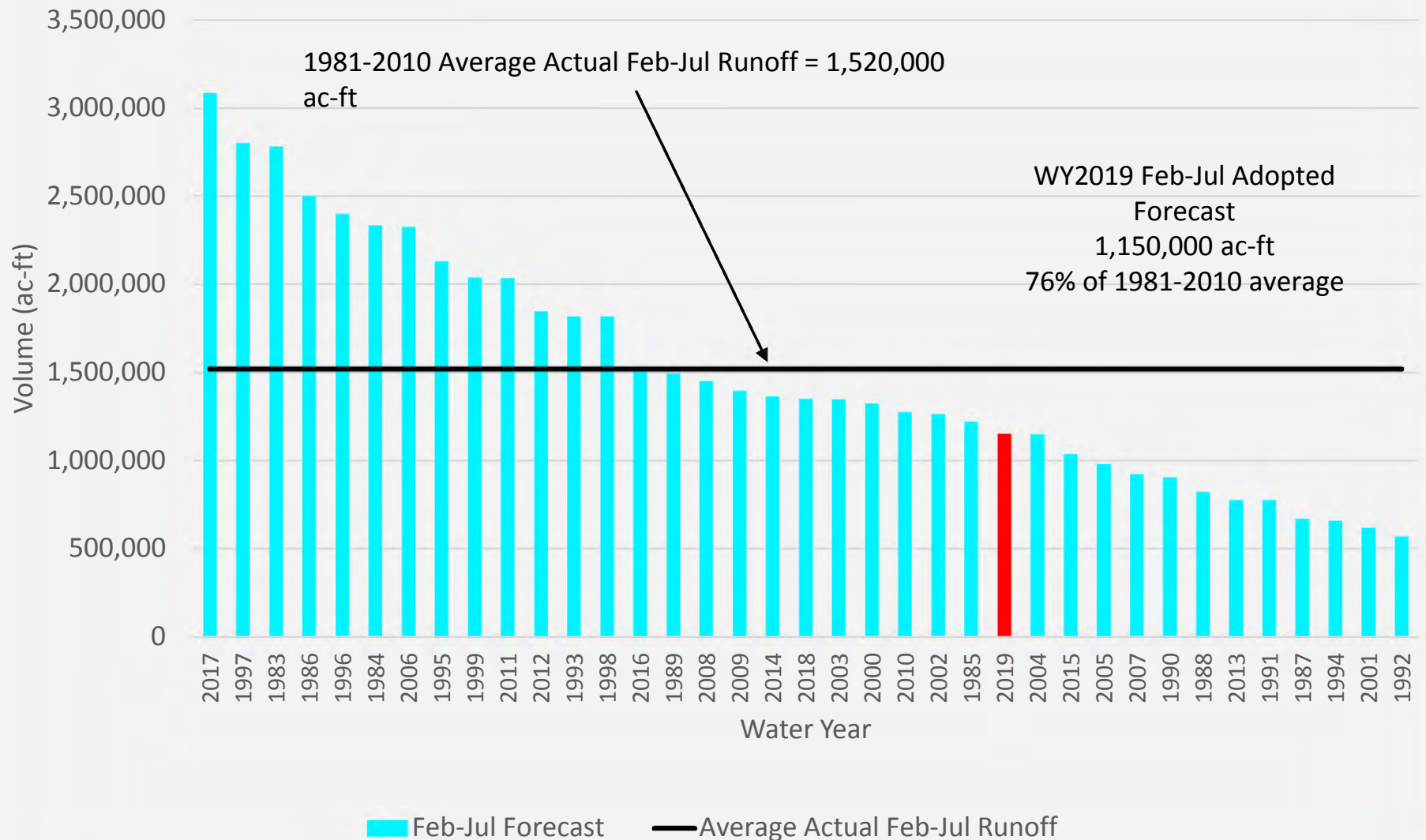
Total space available: 470160 AF

Total storage capacity: 949700 AF

Natural Flow: 892 CFS

Boise Reservoir System
Feb-Jul Water Supply Forecast
WY1983 to WY2019

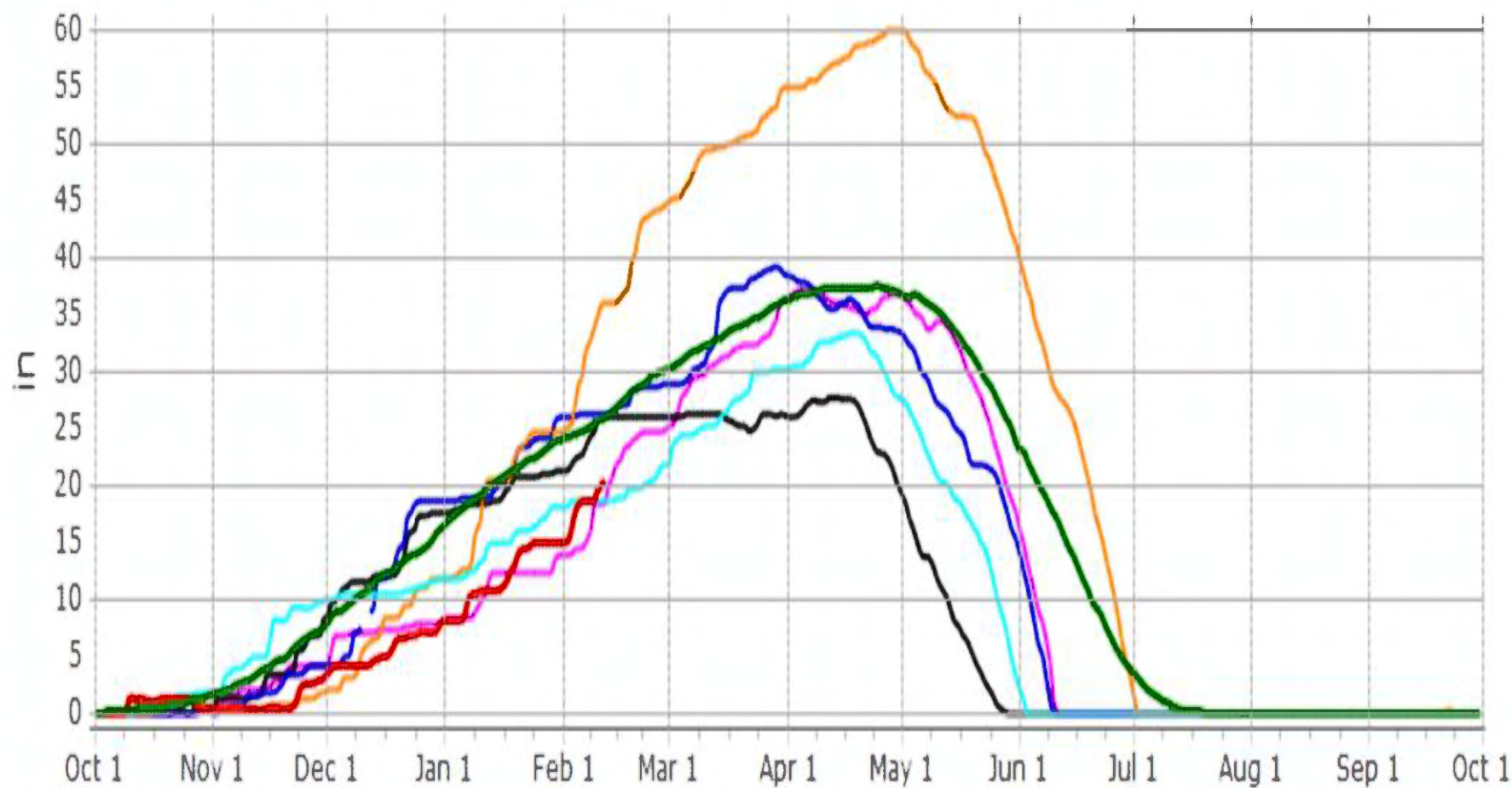
+18% increase in snowpack since Feb 1st



2018-01-27 702982.23

TRINITY MTN. Elevation:7770.000

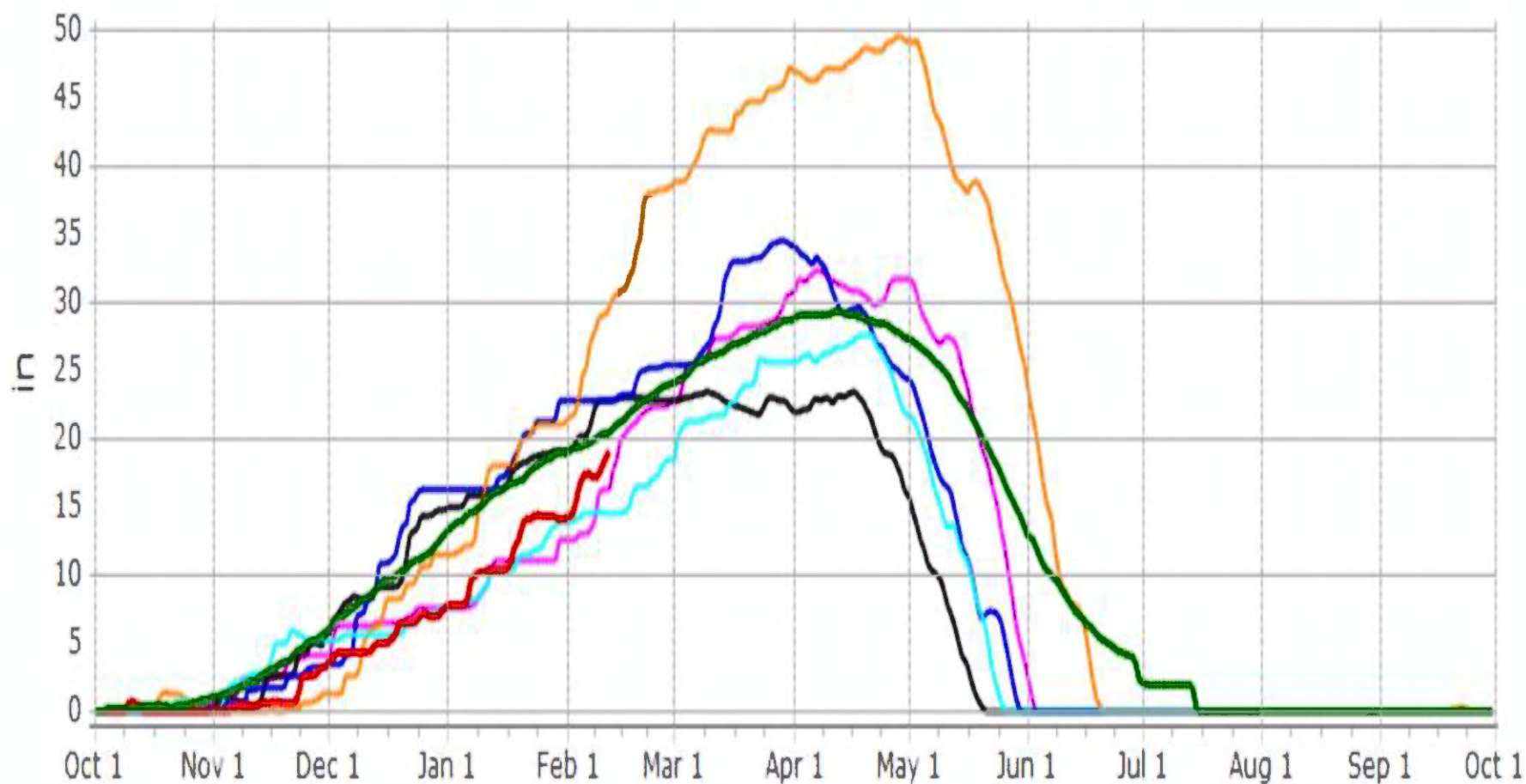
✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



2017-06-11 242618.44

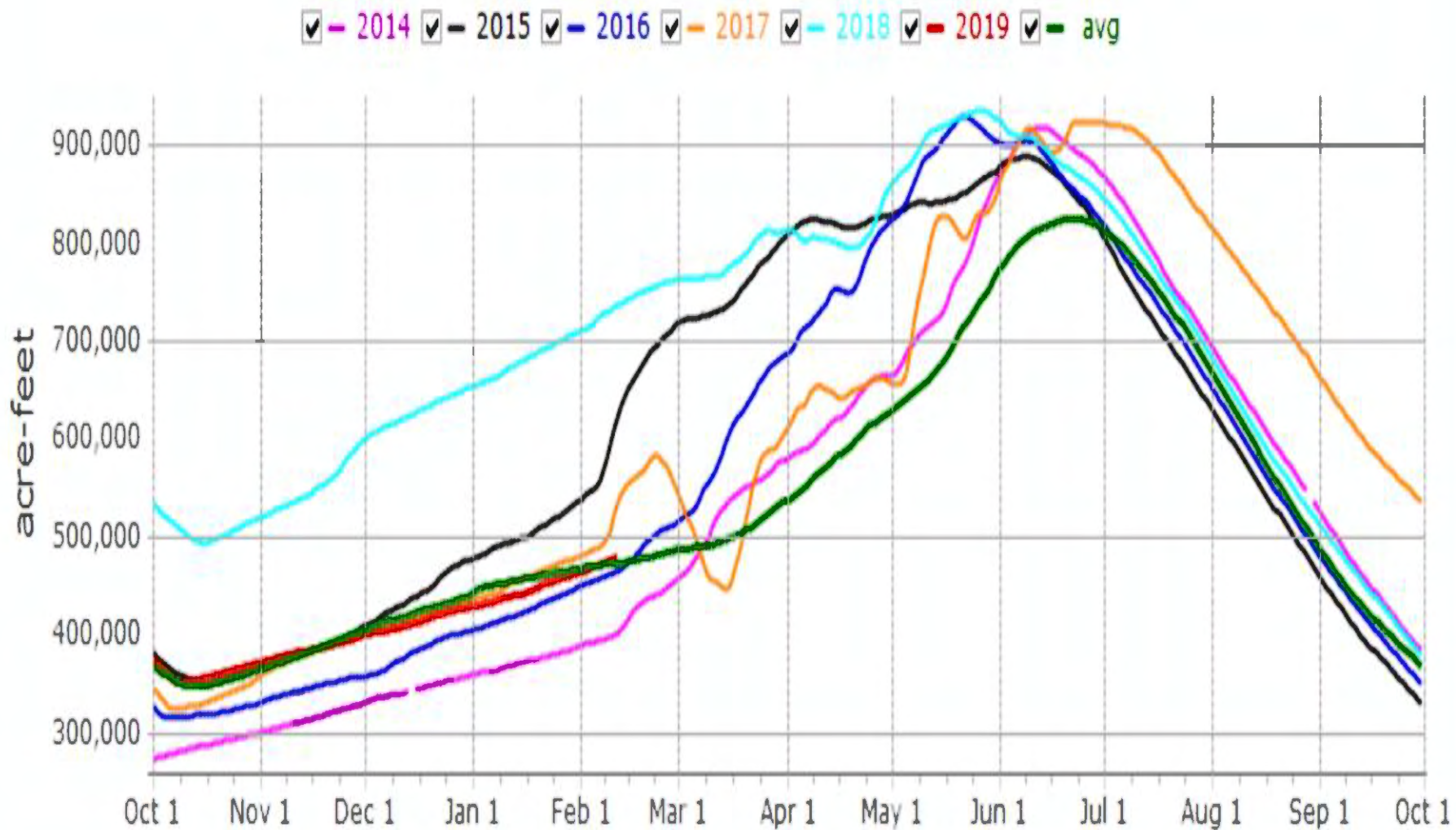
ATLANTA SUMMIT Elevation:7580.000

✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



2017-11-10 4.4

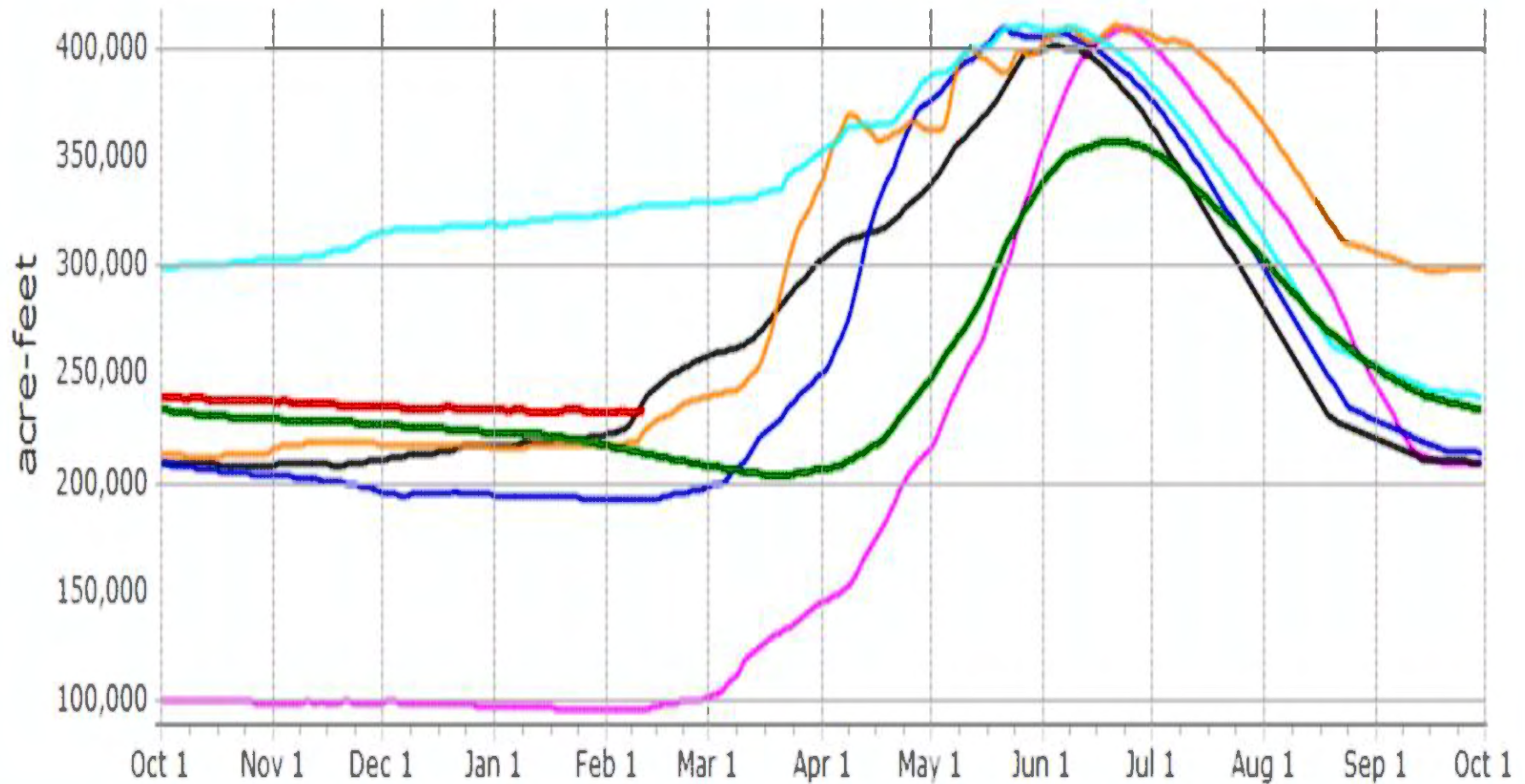
and +ark +luc Elevation:0.0000000E+00



2017-11-10 4.4

Anderson Ranch Dam and Reservoir Elevation:3880.000

✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg

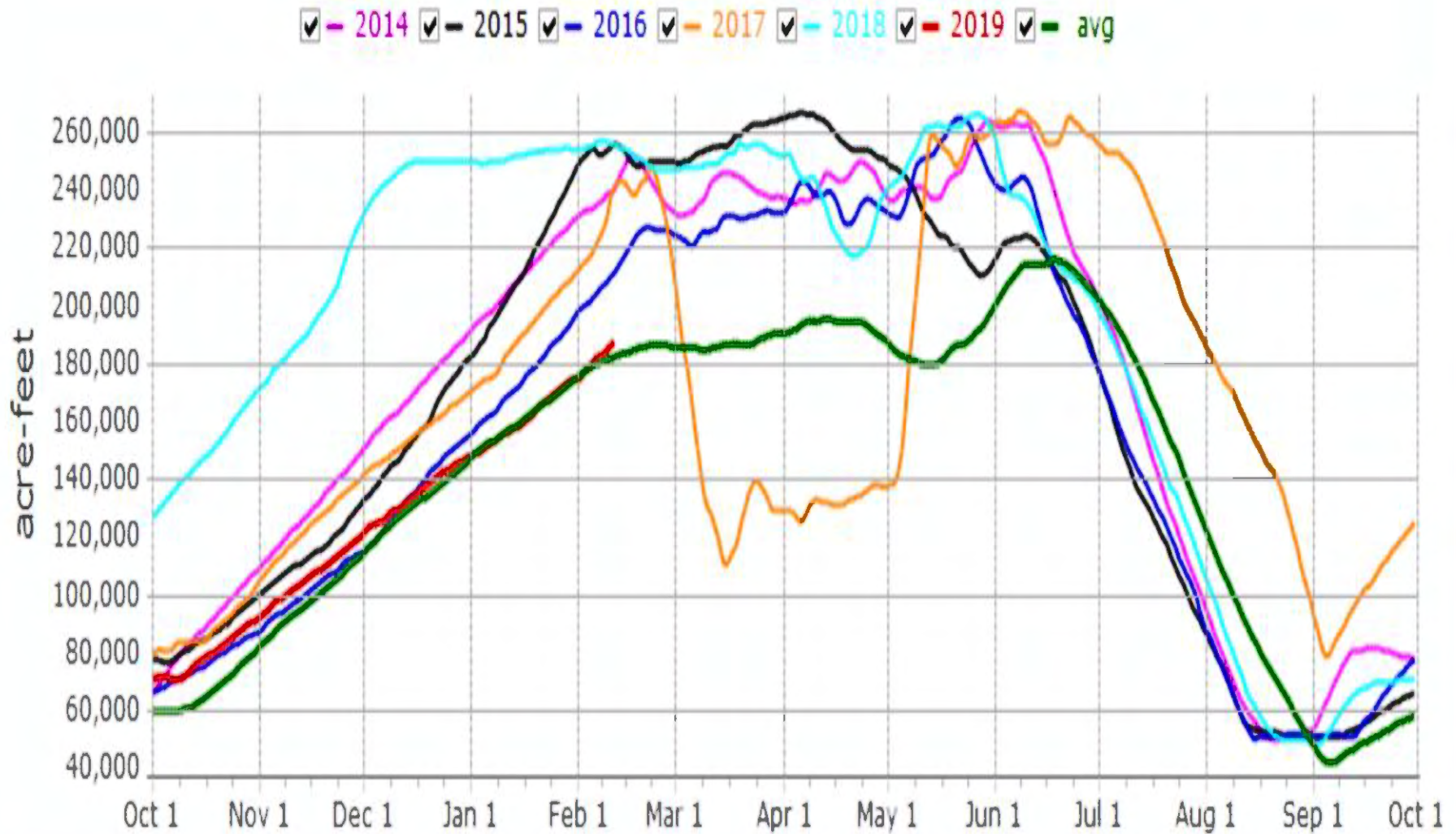


Anderson Operations

- Currently discharging 300 cfs
- Early April – may increase discharge to 600 cfs for F&WL purposes if water supply is adequate
- Current forecasts indicate some flood risk management (FRM) operations needed but a wet Feb-April could increase this amount

2018-02-10 256492

Arrowrock Dam and Reservoir Elevation:3216.000



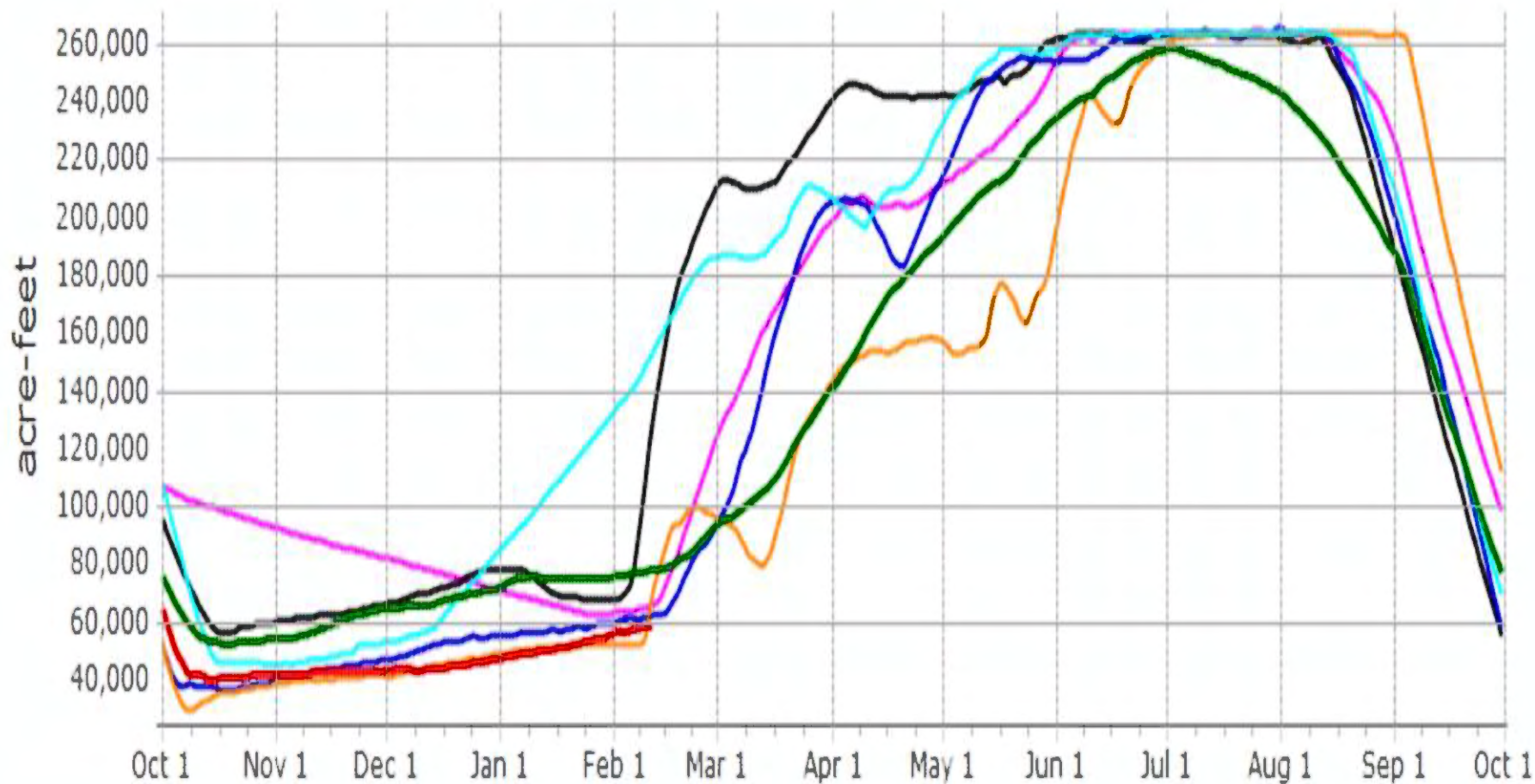
Arrowrock Operations

- Currently discharging 250 cfs
- Increase discharge when New York Canal turns on (early March) to keep Lucky Peak from drafting
- Continue to fill to near full in March

2015-04-15 261077

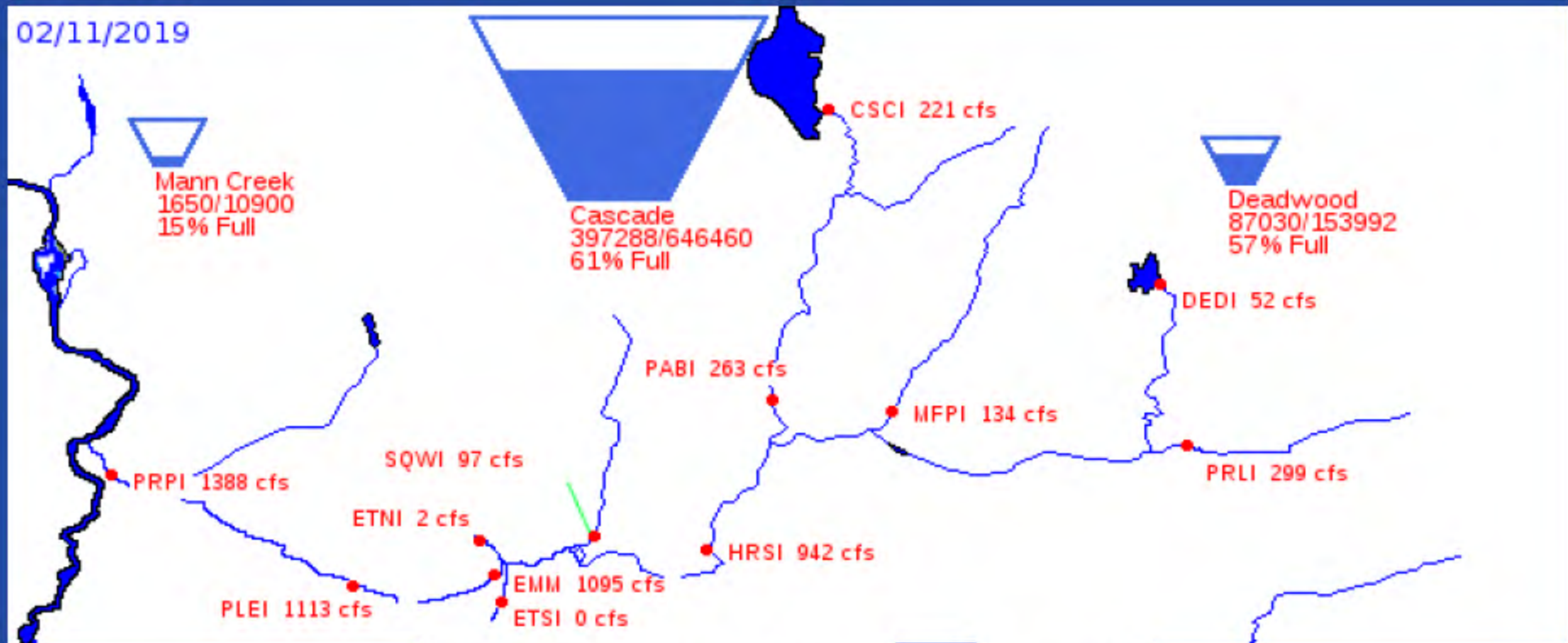
Lucky Peak Lake near Boise, ID Elevation:3060.000

✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



Payette R. Reservoir System

02/11/2019



Payette River system (Cascade, Deadwood) is at 61 % of capacity.

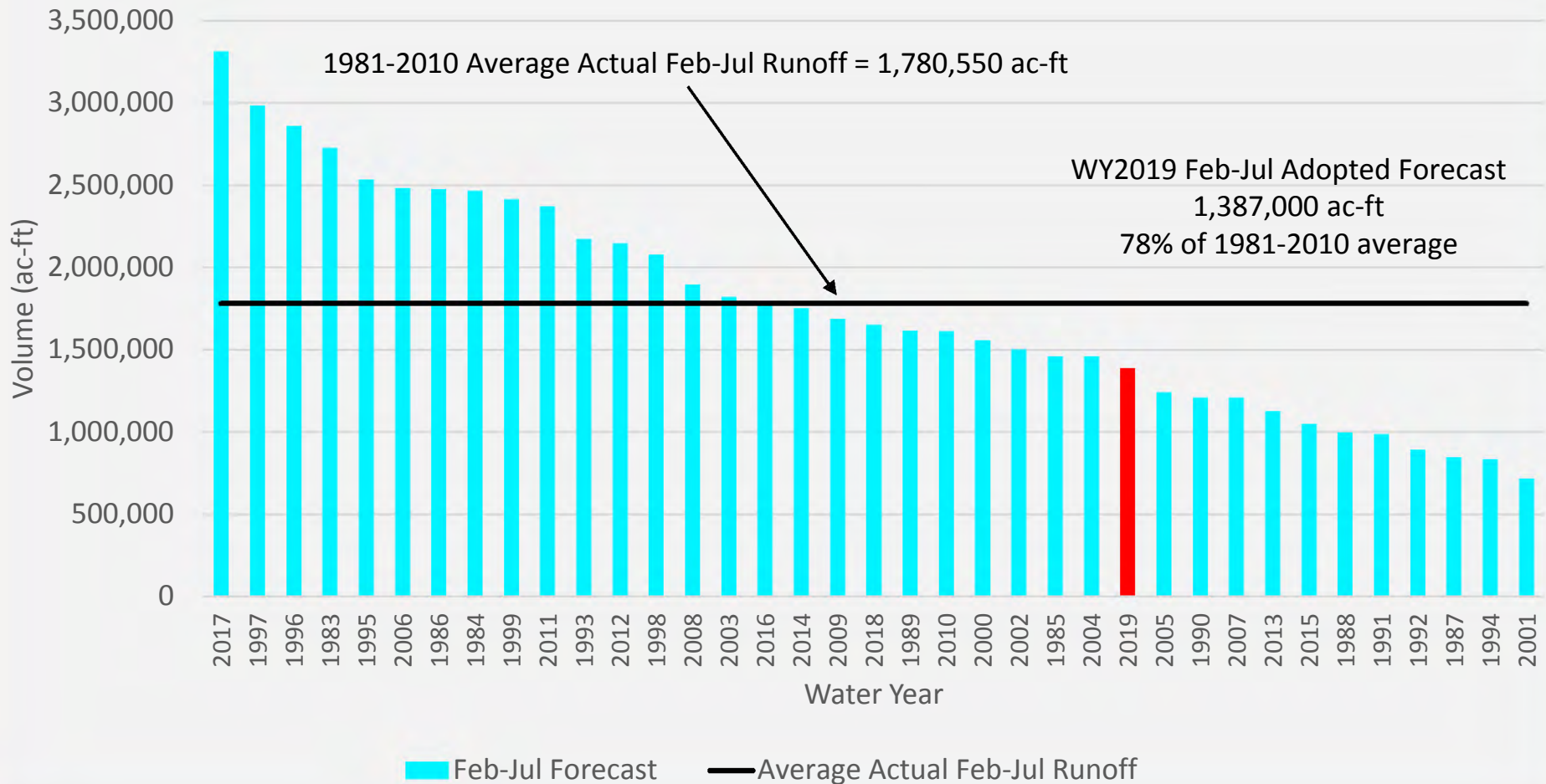
Total space available:	316134 AF
Total storage capacity:	800452 AF
Natural Flow:	1772 CFS

Payette System @ Horseshoe Bend
Feb-Jul Water Supply Forecast
WY1983 to WY2019

+22% increase in snowpack since Feb 1st

1981-2010 Average Actual Feb-Jul Runoff = 1,780,550 ac-ft

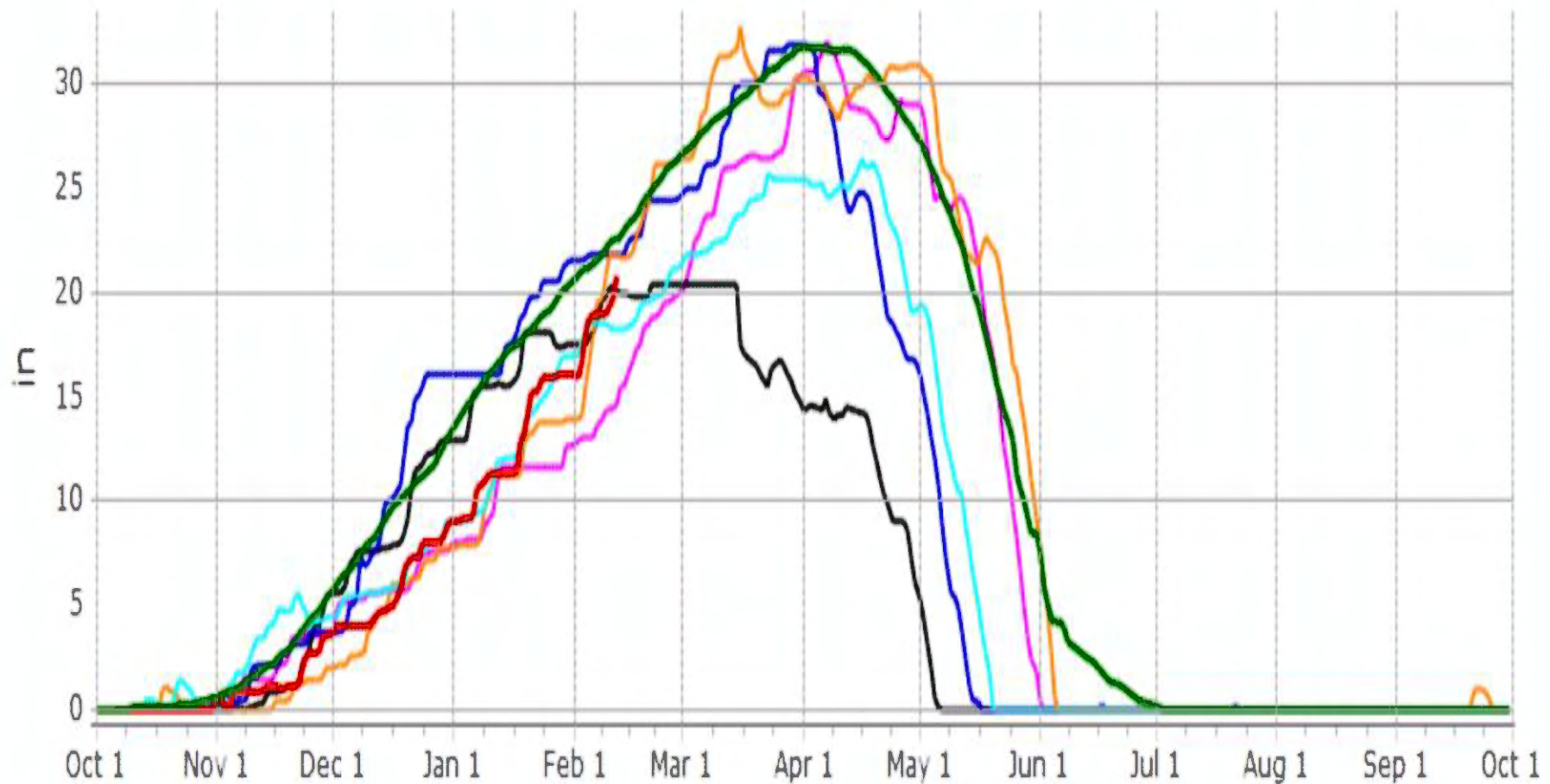
WY2019 Feb-Jul Adopted Forecast
1,387,000 ac-ft
78% of 1981-2010 average



2015-03-21 129662

SECESH SUMMIT Elevation:6520.000

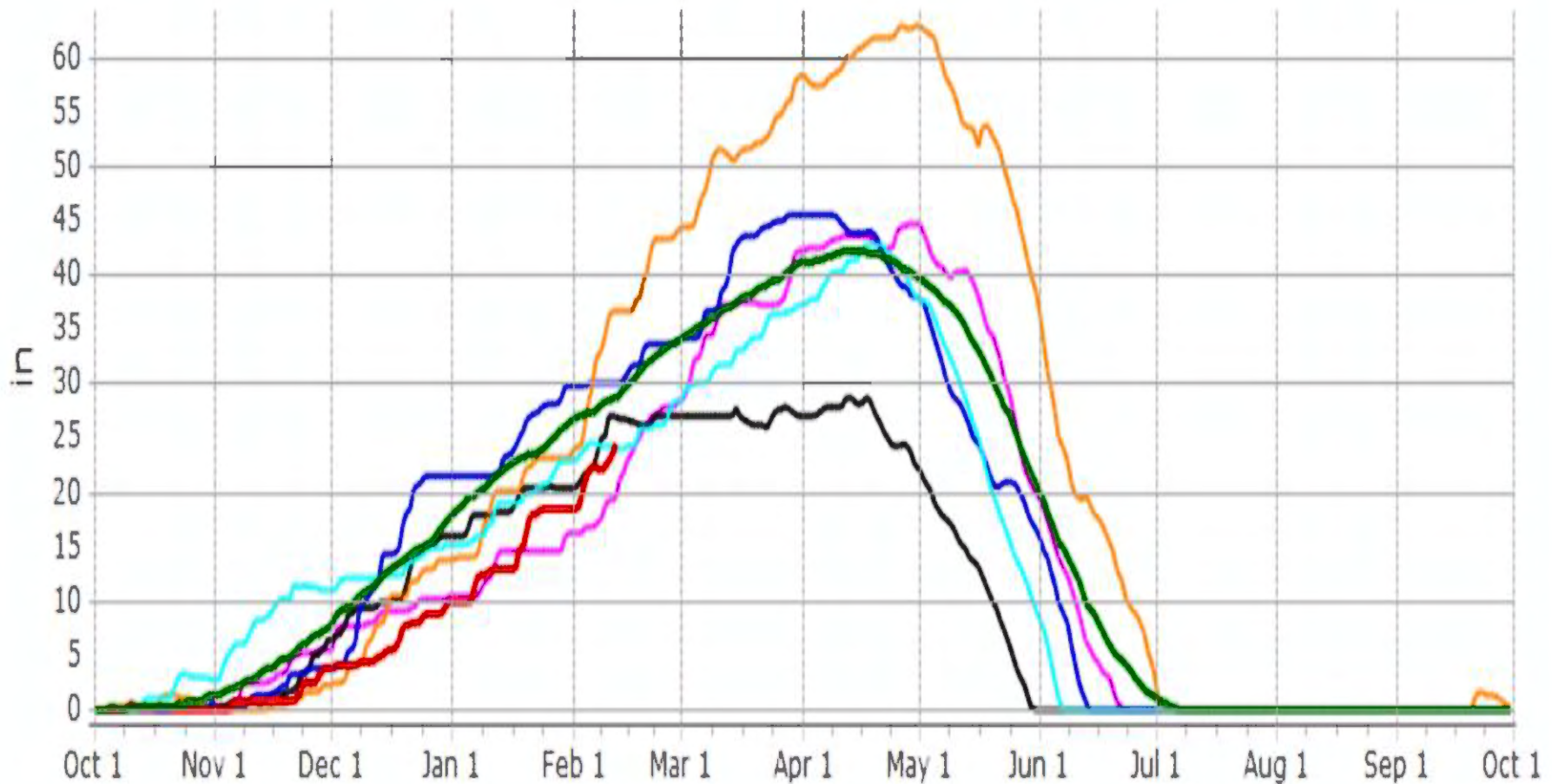
✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



2014-04-12 29.8

DEADWOOD SUMMIT Elevation:6860.000

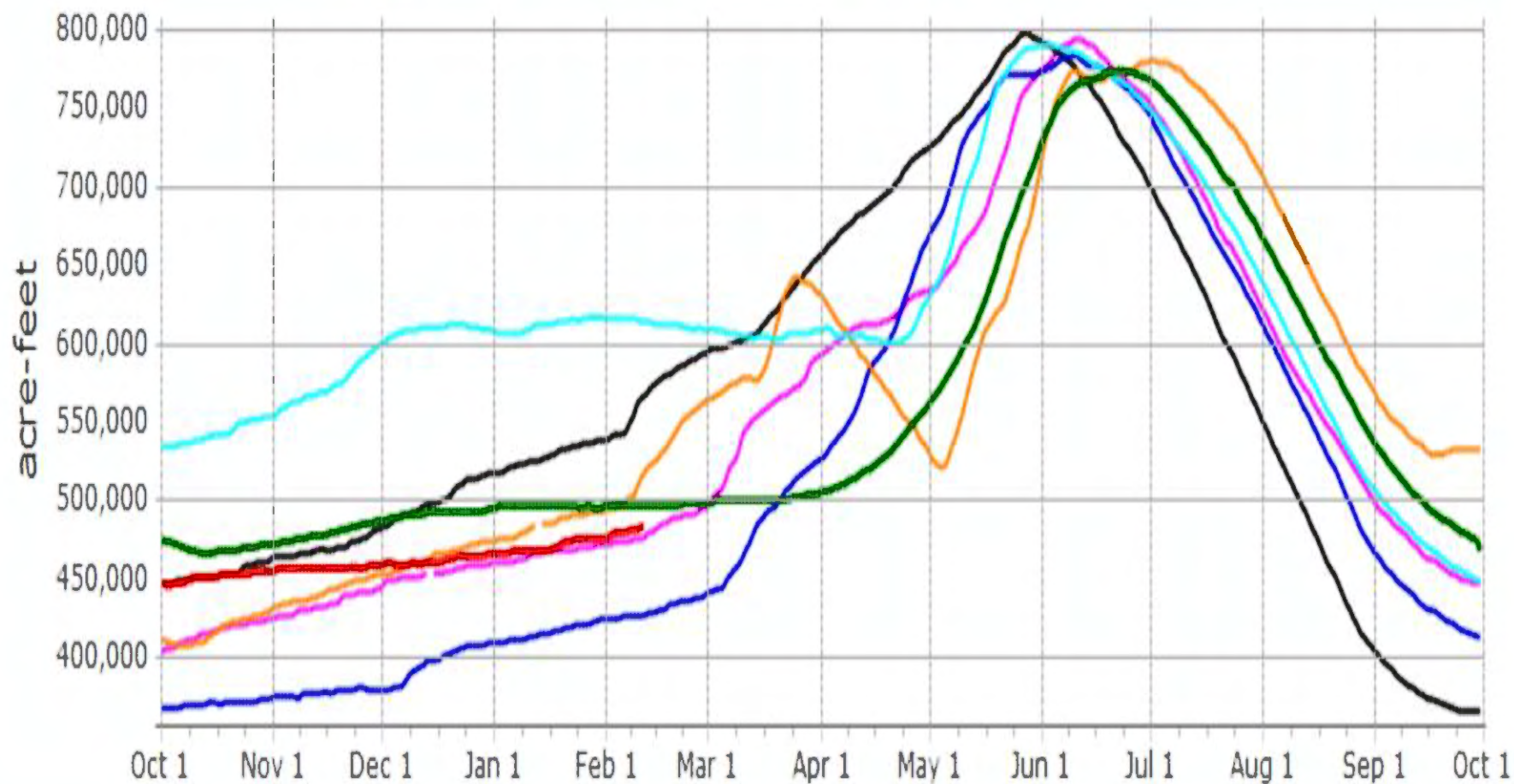
✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



2018-04-14 231261

csc + ded Elevation:0.0000000E+00

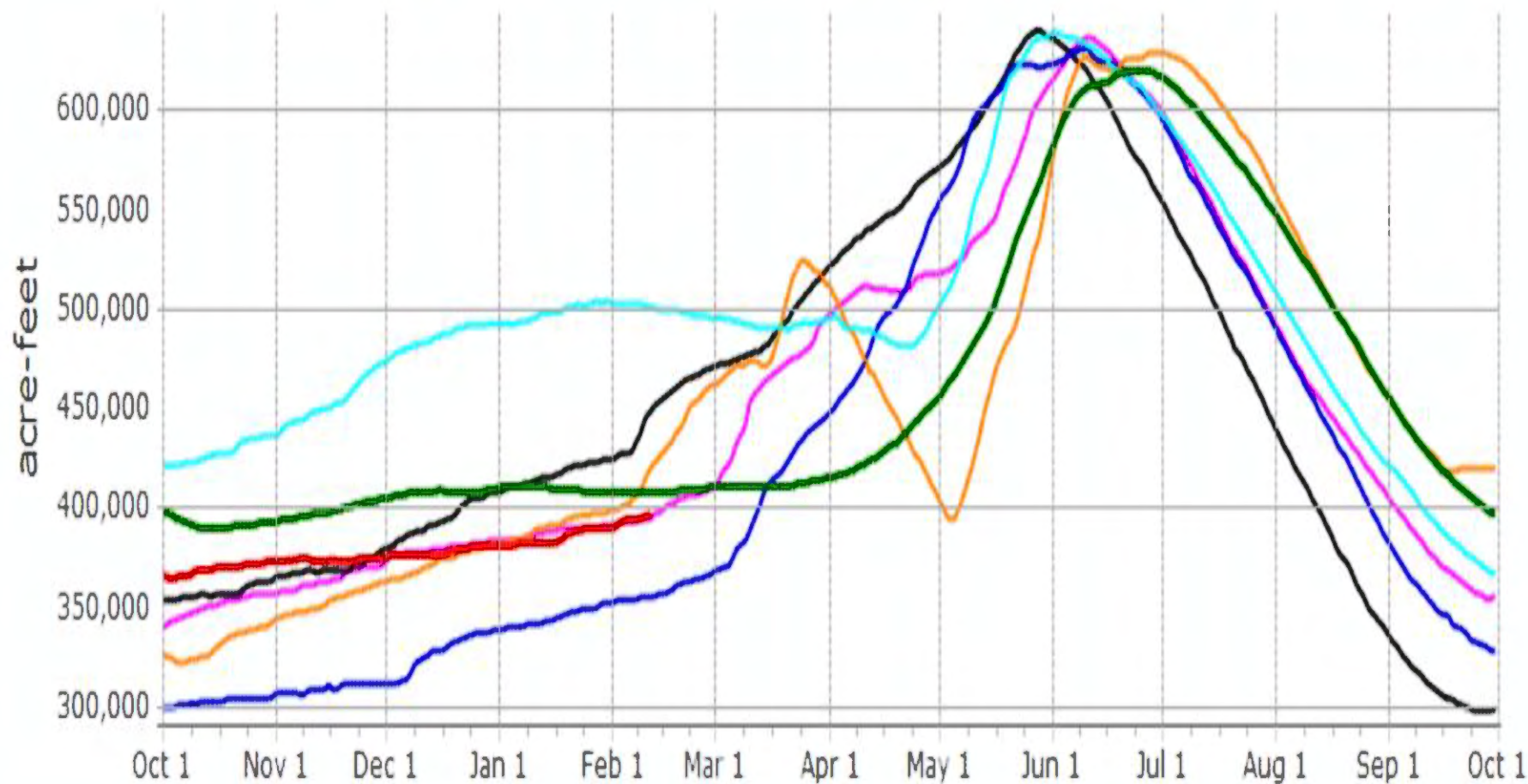
✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



2015-03-28 646373

Cascade Dam and Lake Cascade at Cascade, Idaho Elevation:4828.000

✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



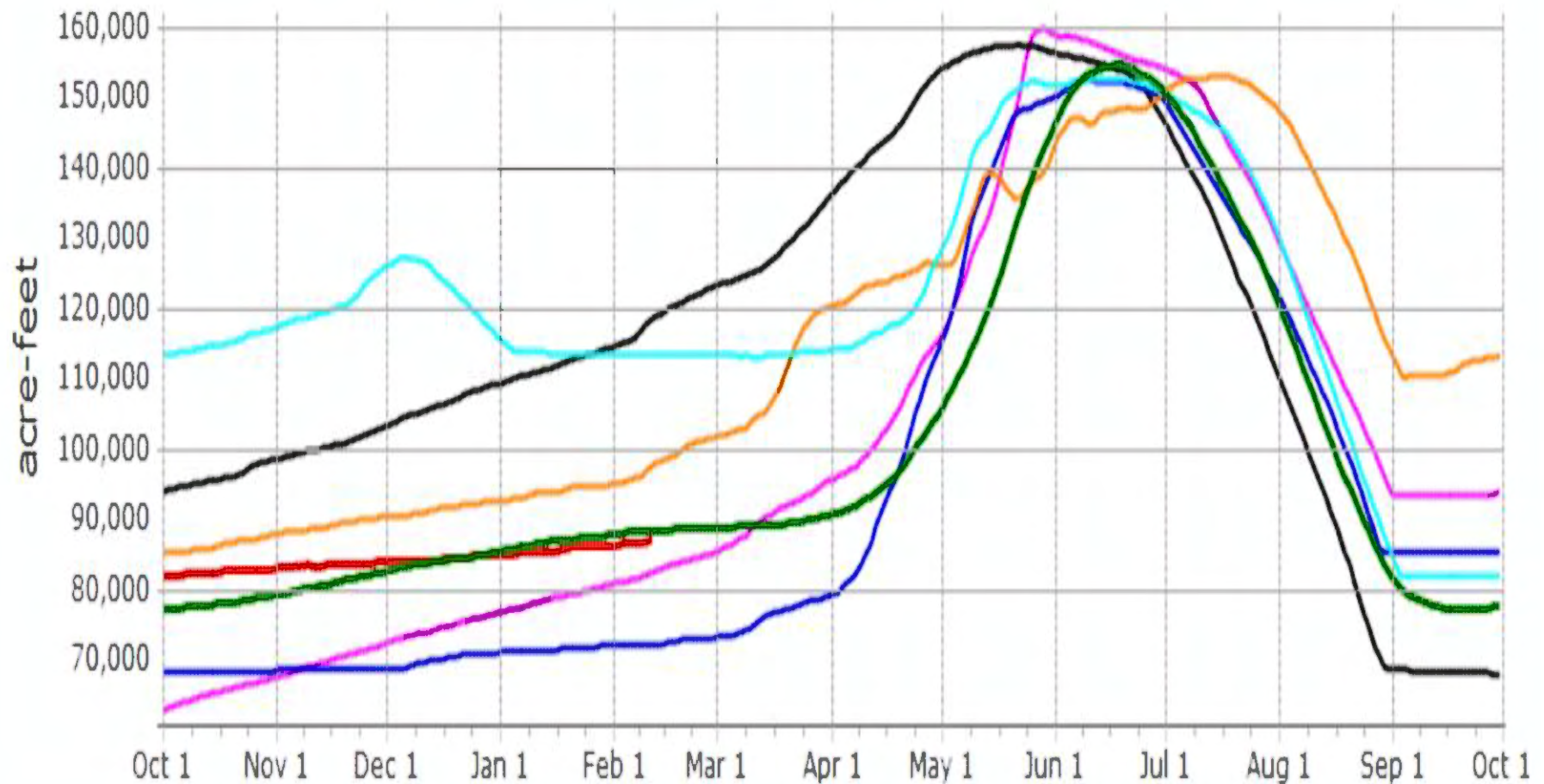
Cascade Operations

- Currently at 200 cfs
- Current forecasts indicate a chance of FRM operations starting in late March/April
- Above average precipitation in Feb-April could change timing and duration of FRM control

2015-05-10 590971

Deadwood Dam, Idaho Elevation:5334.000

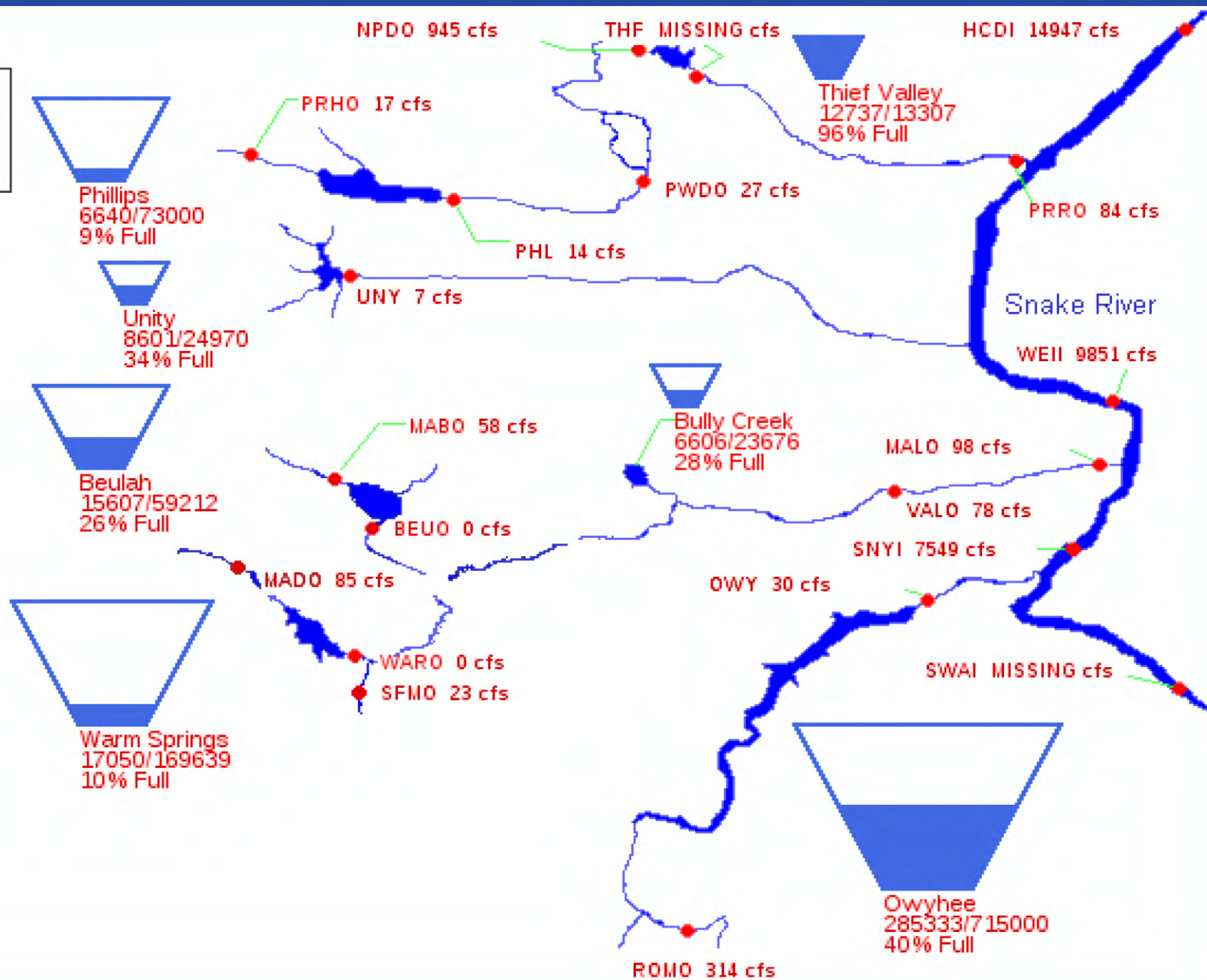
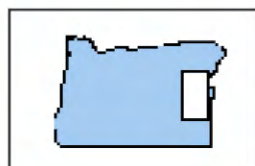
✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



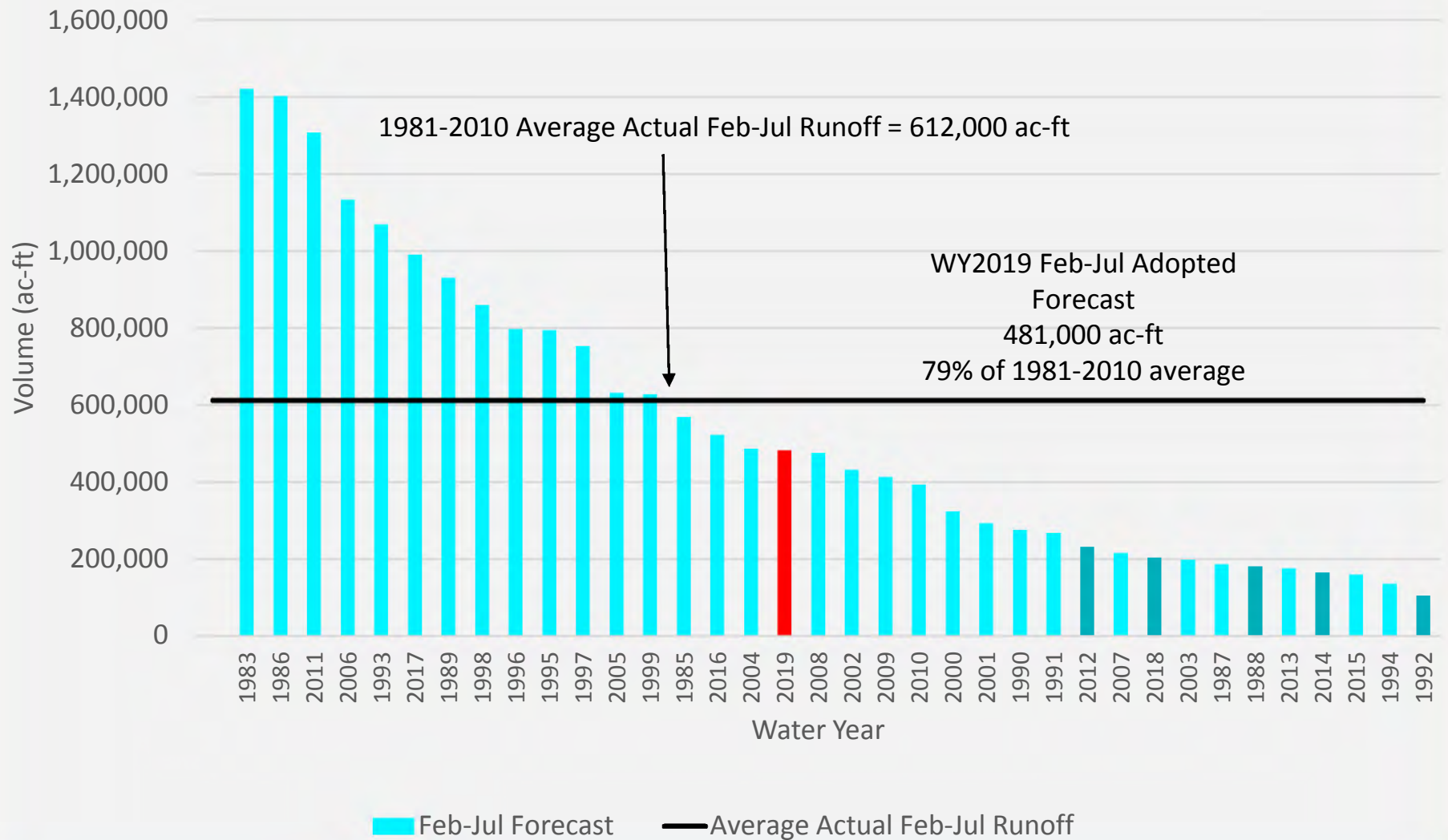
Deadwood Operations

- Currently discharging 50 cfs
- Continue filling targeting full in June
- Current forecasts indicate a chance of FRM operations starting in May

02/11/2019



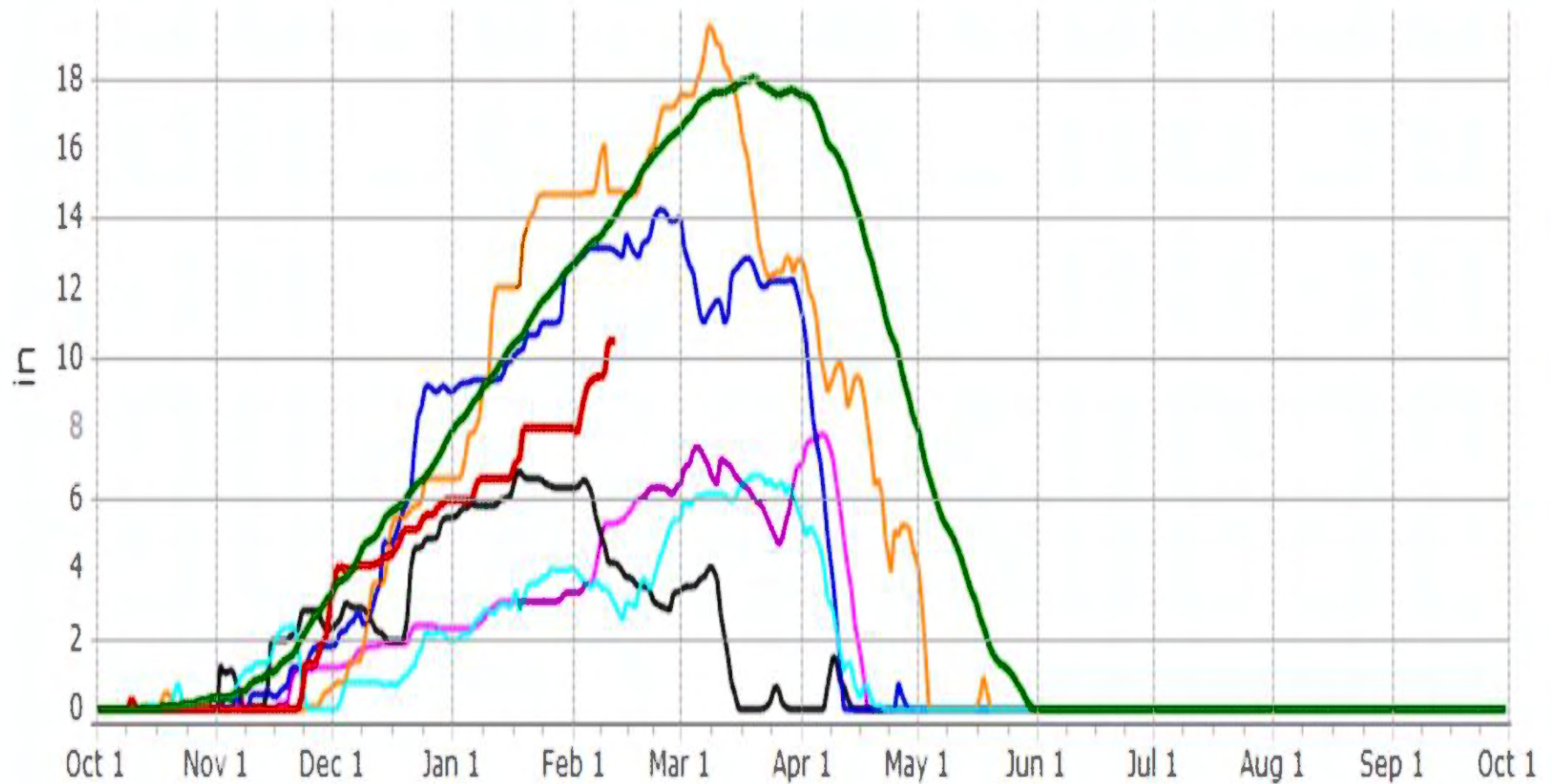
Owyhee
Feb-Jul Water Supply Forecast
WY1983 to WY2019



2017-05-02 62.6

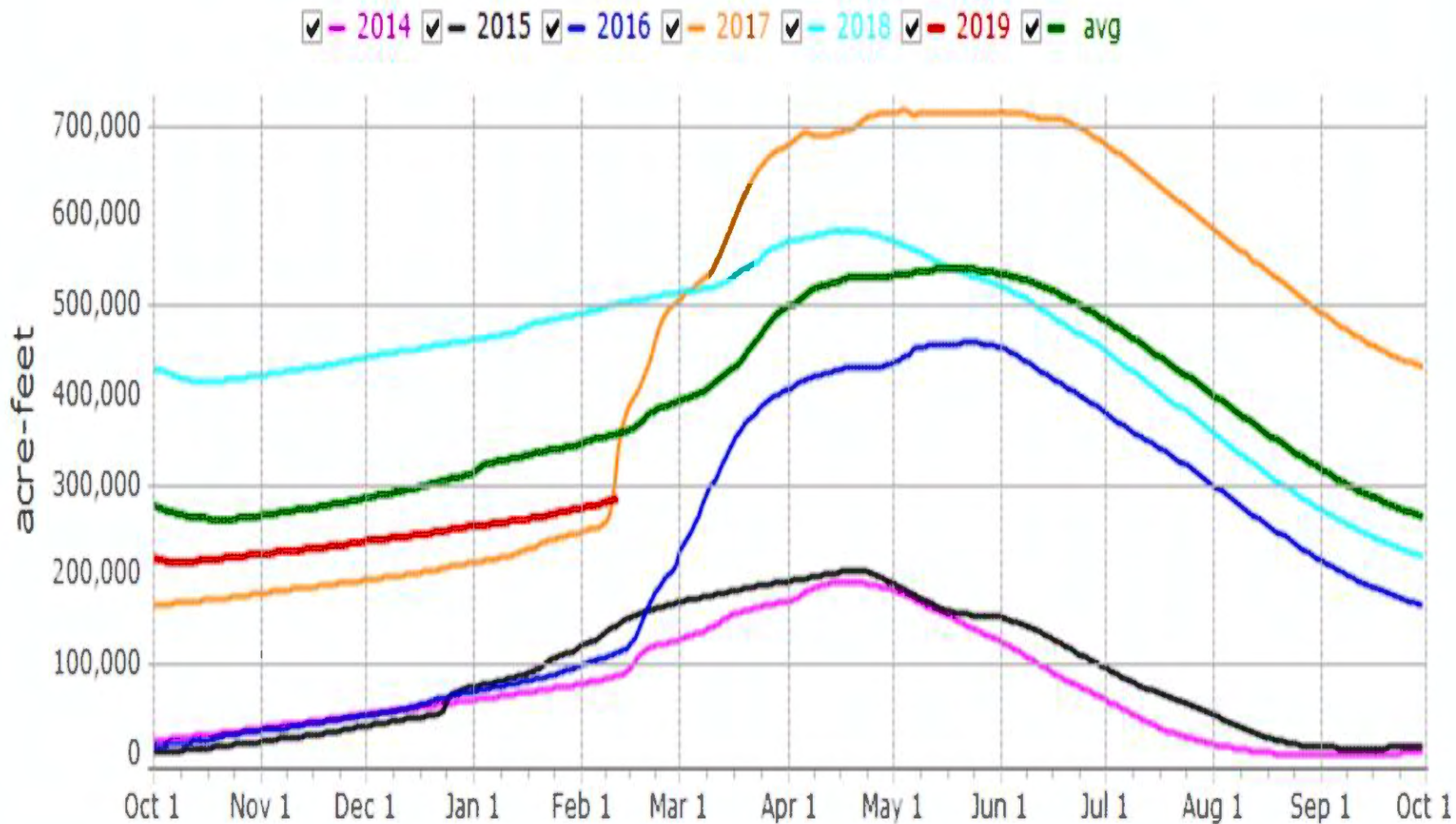
SOUTH MTN. Elevation:6500.000

✓ 2014 ✓ 2015 ✓ 2016 ✓ 2017 ✓ 2018 ✓ 2019 ✓ avg



2017-05-02 62.6

Lake Owyhee and Owyhee River near Nyssa, OR Elevation:2344.000



Owyhee Operations

- Currently at 30 cfs to maximize refill
- Current forecast indicates no FRM operations needed at this time
- Discharge will increase in April as irrigation demand turns on
- Complete reservoir refill unlikely at current forecast