



— BUREAU OF —
RECLAMATION

Lahontan Basin Area Office Water Supply Outlook

January 2019

Presented by Scott Fennema

Topics

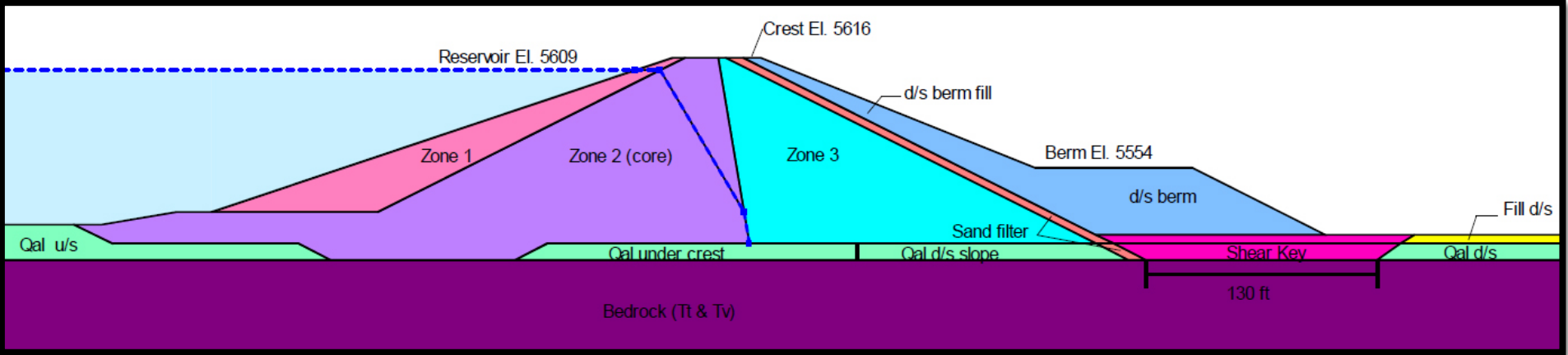
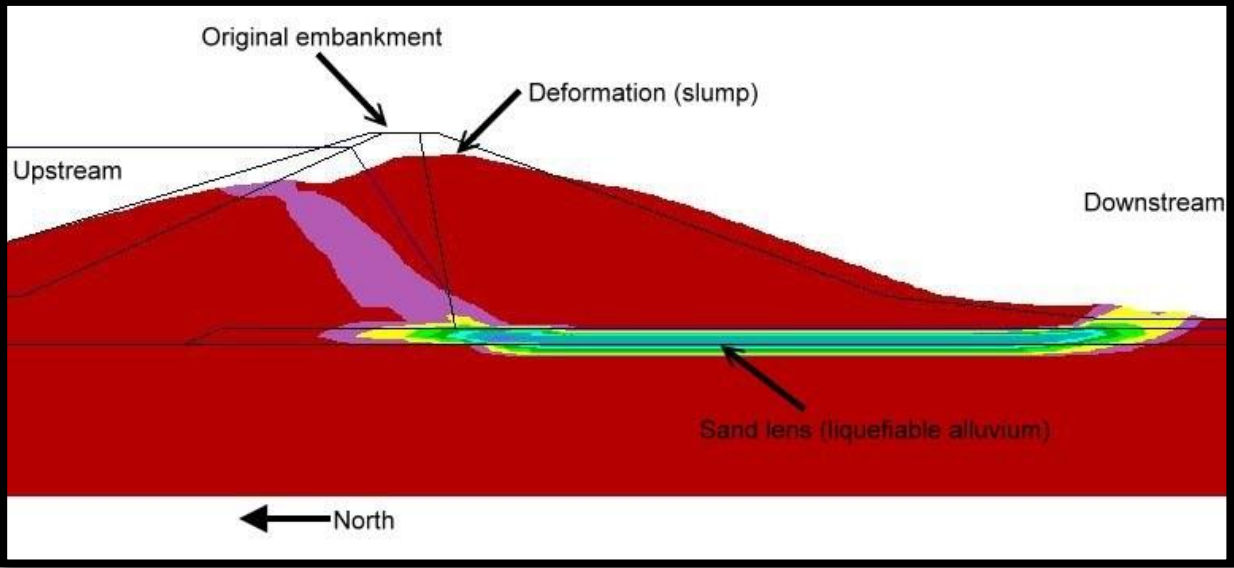
- Boca Dam Improvements
- Derby Dam Fish Screen
- Water Year 2020 Outlook
 - NRCS Forecasted Data
 - Current/Projected Reservoir Operations



Truckee and Carson River Basins and the Newlands Project



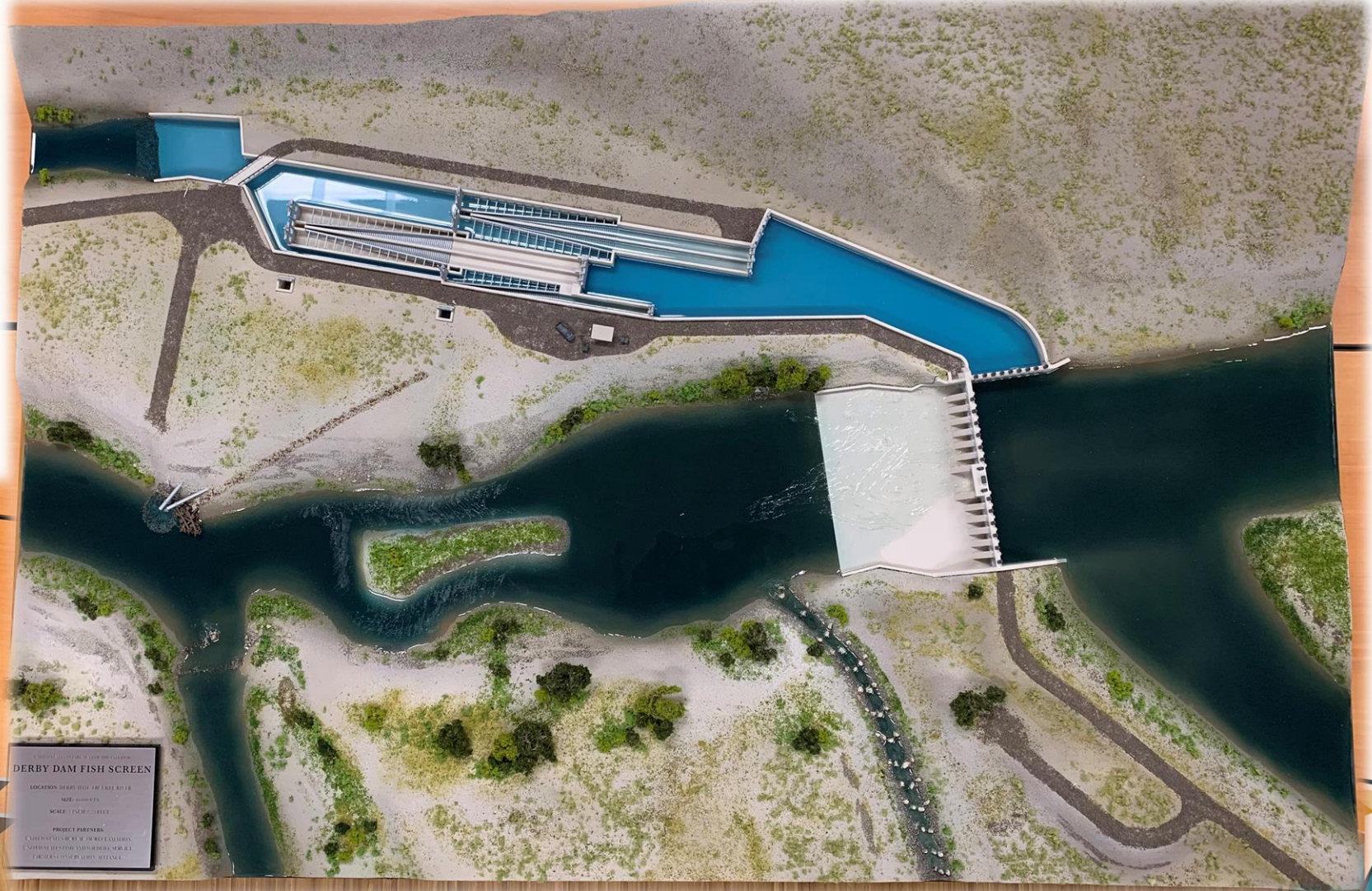
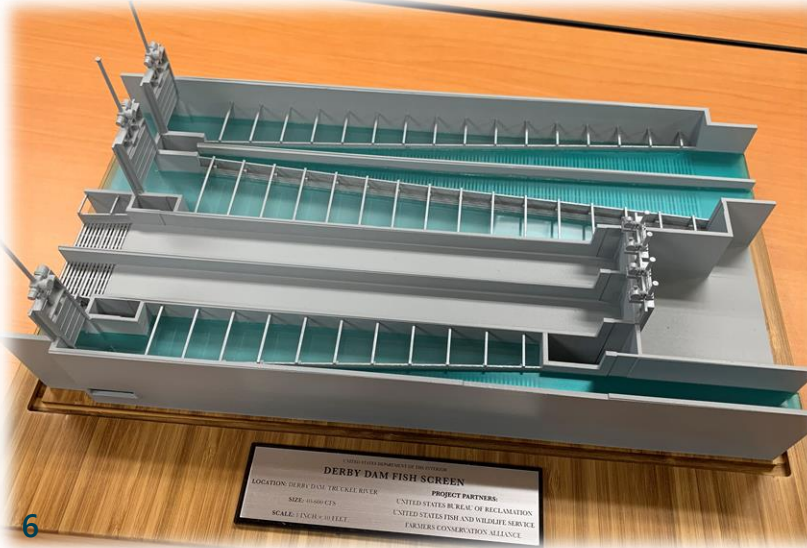
Boca Dam Improvements Update



Boca Dam Improvements Update



Derby Dam Fish Screen

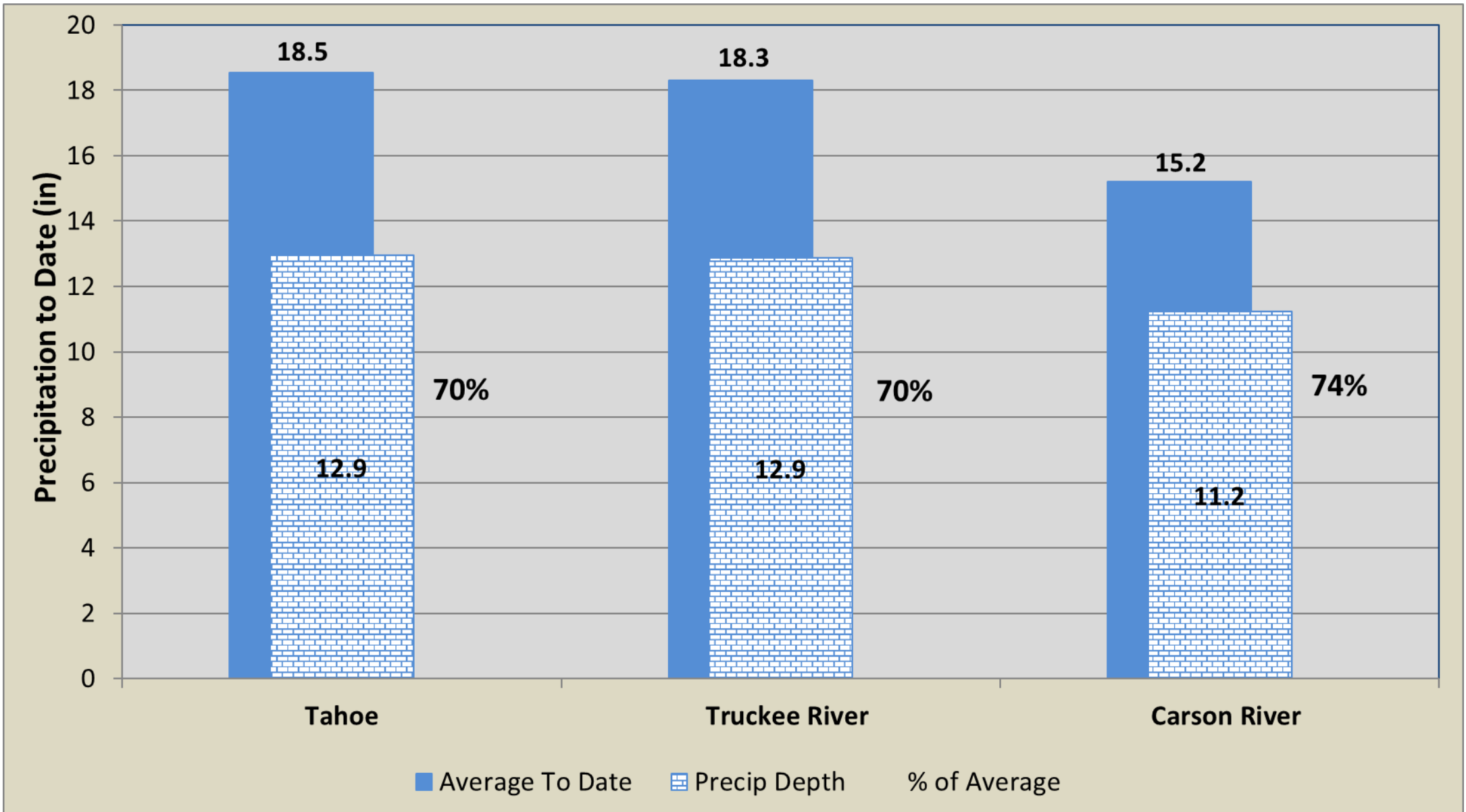




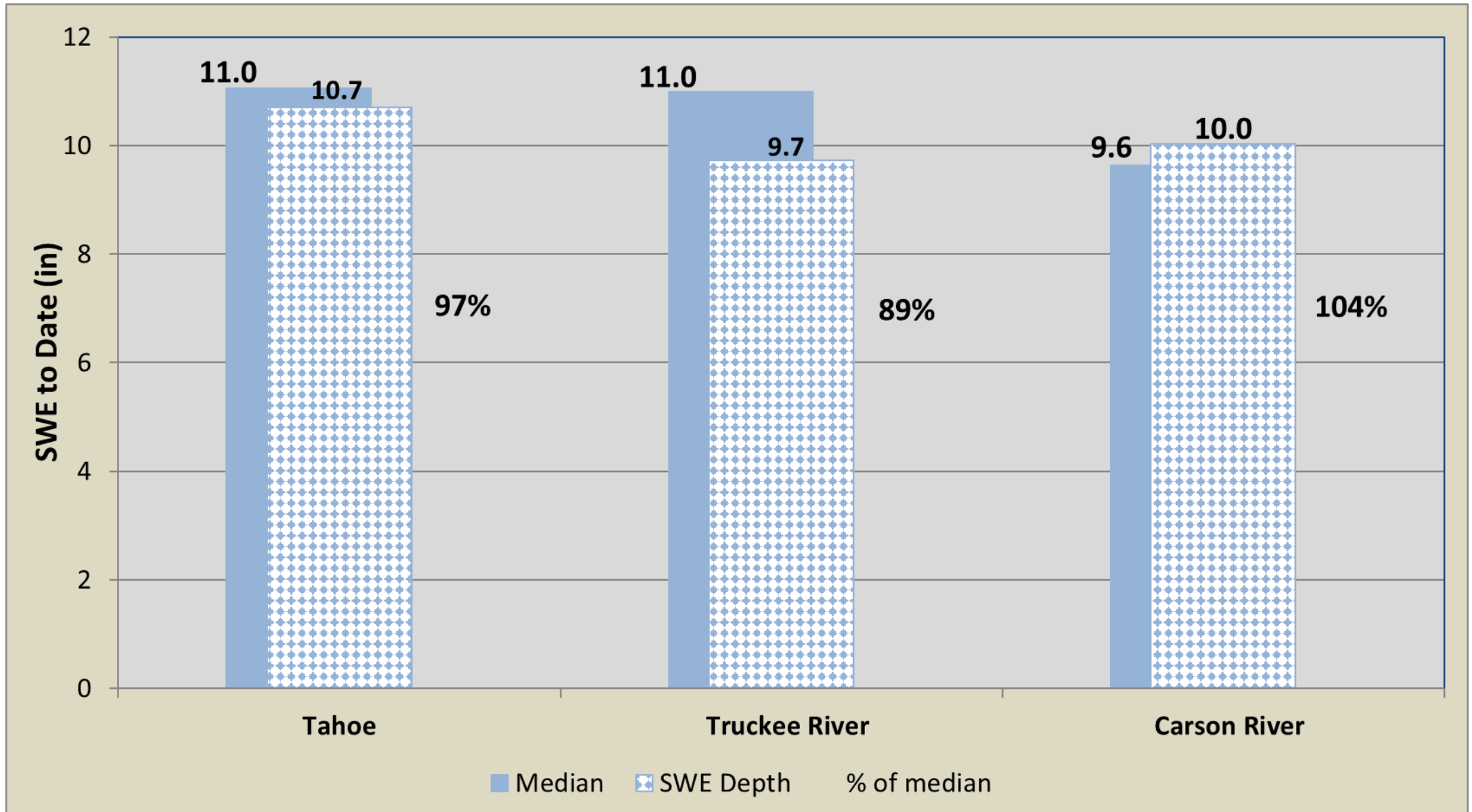
WY 2020 Outlook



Current WY Precipitation To Date

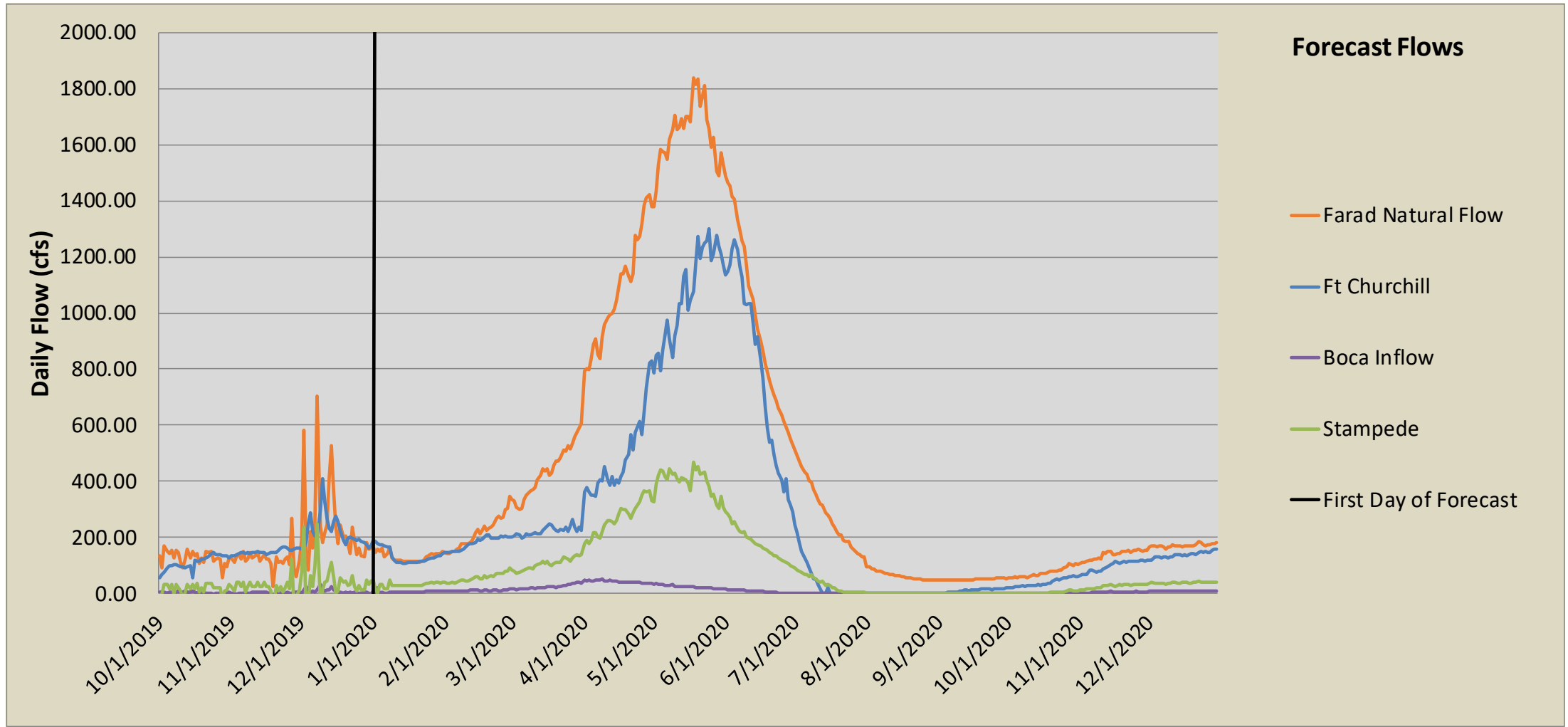


Current Snowpack

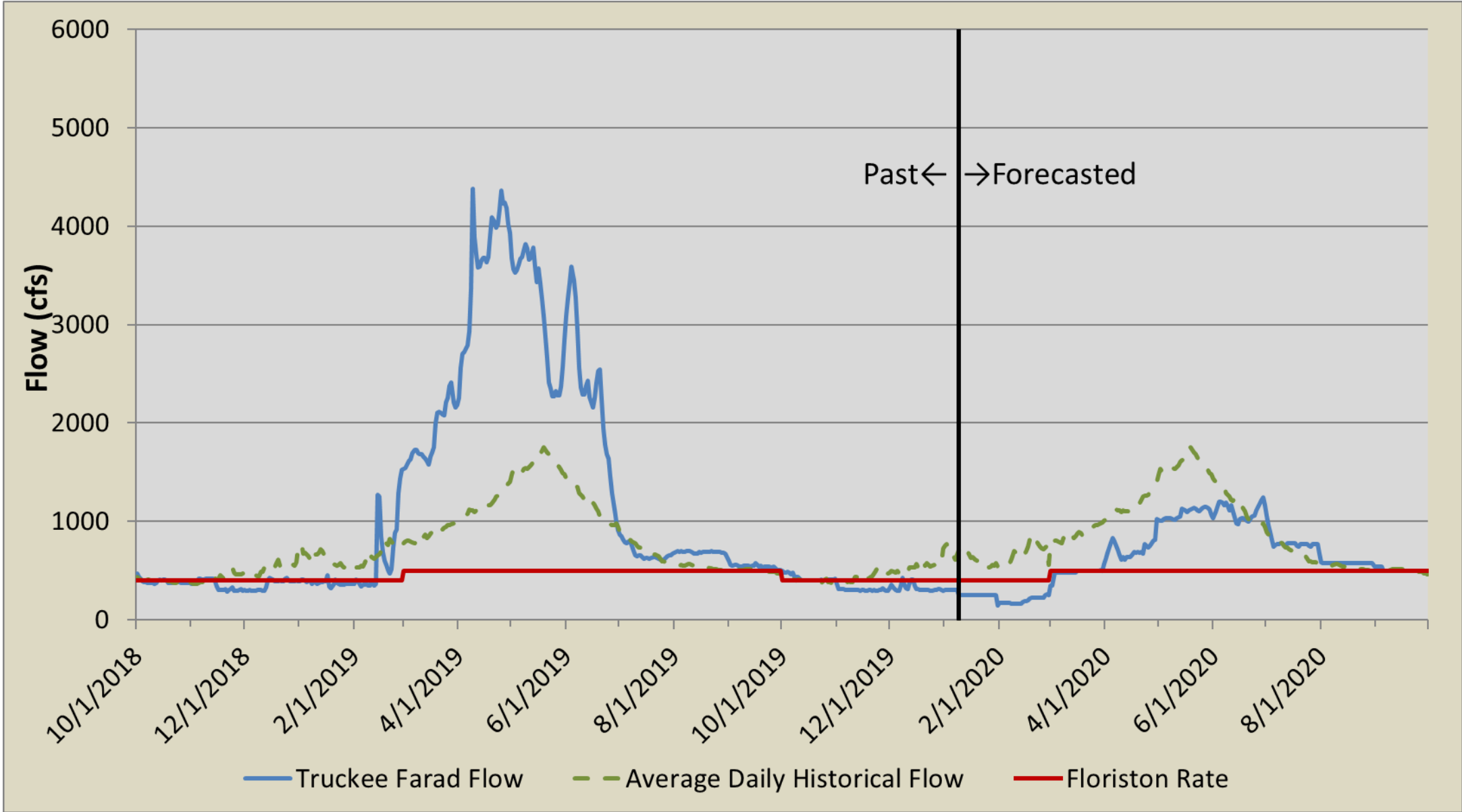


WY 2020 Jan 1 NRCS Forecast - Hydrograph

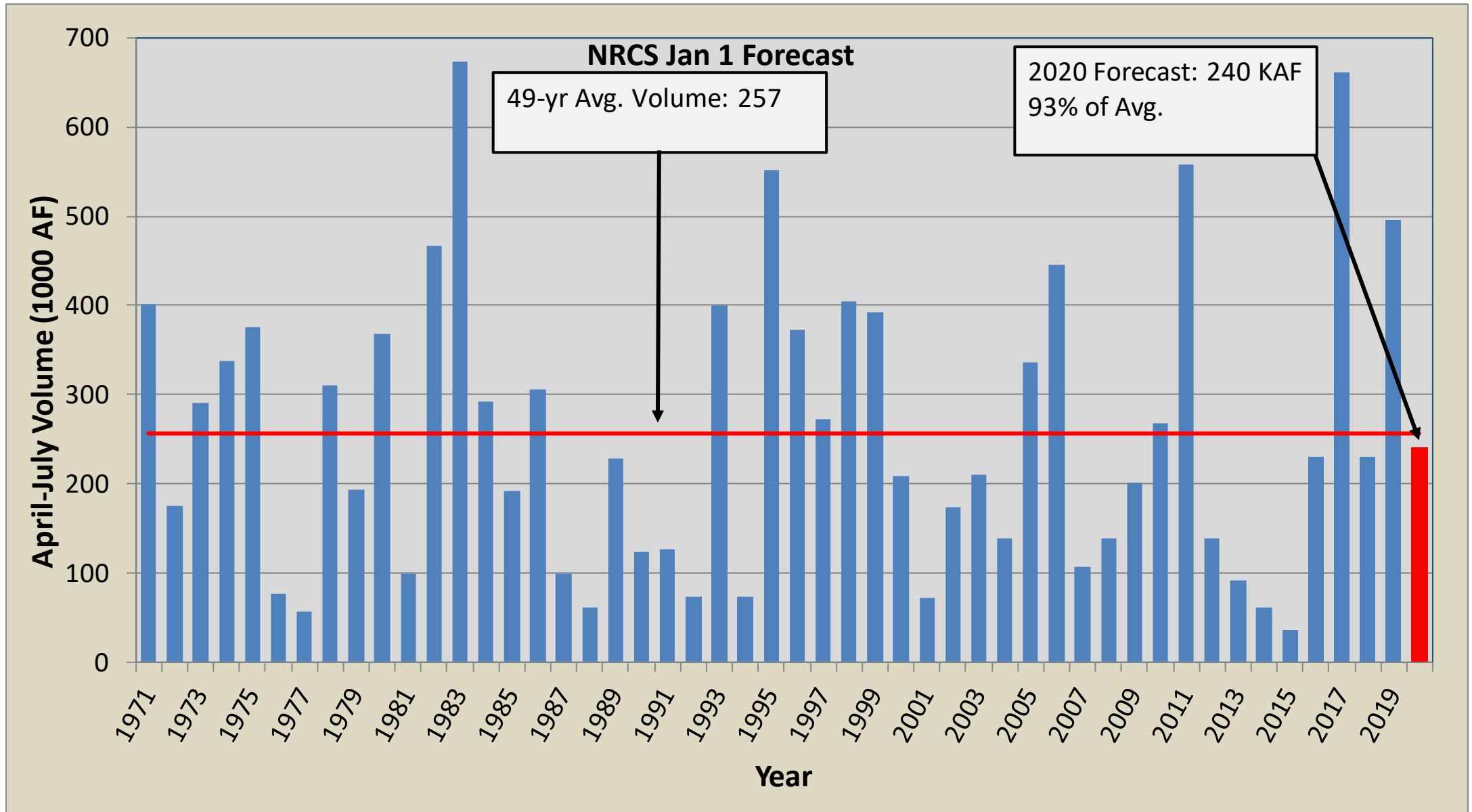
	Farad AJ Vol (KAF)	Carson AJ Vol (KAF)	Tahoe Gate Closed Rise (ft.)
30% (W)	315	221	1.35
50% (M)	240	145	1.10
70% (D)	145	89	0.70



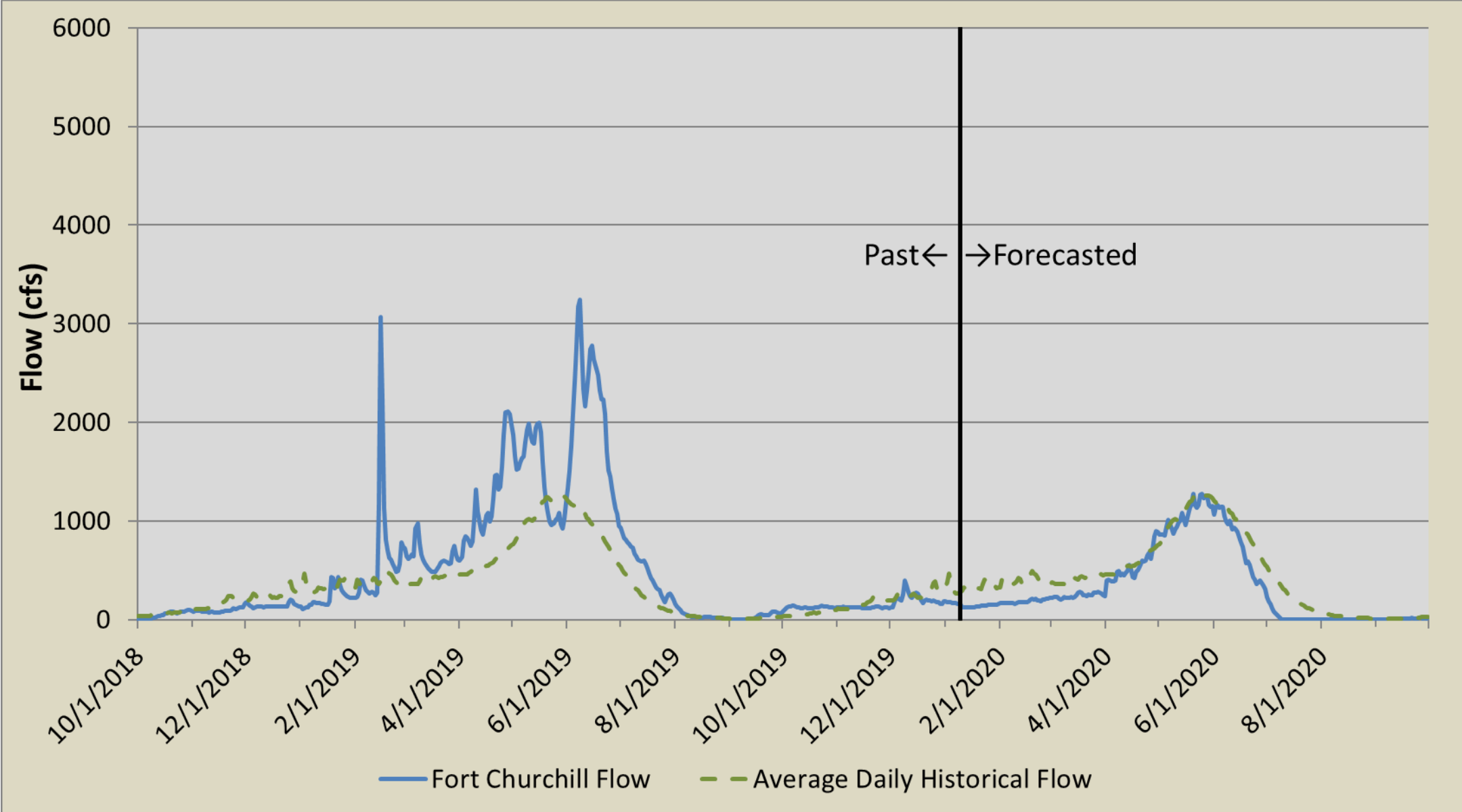
Average, Historic & Forecasted Farad Flow



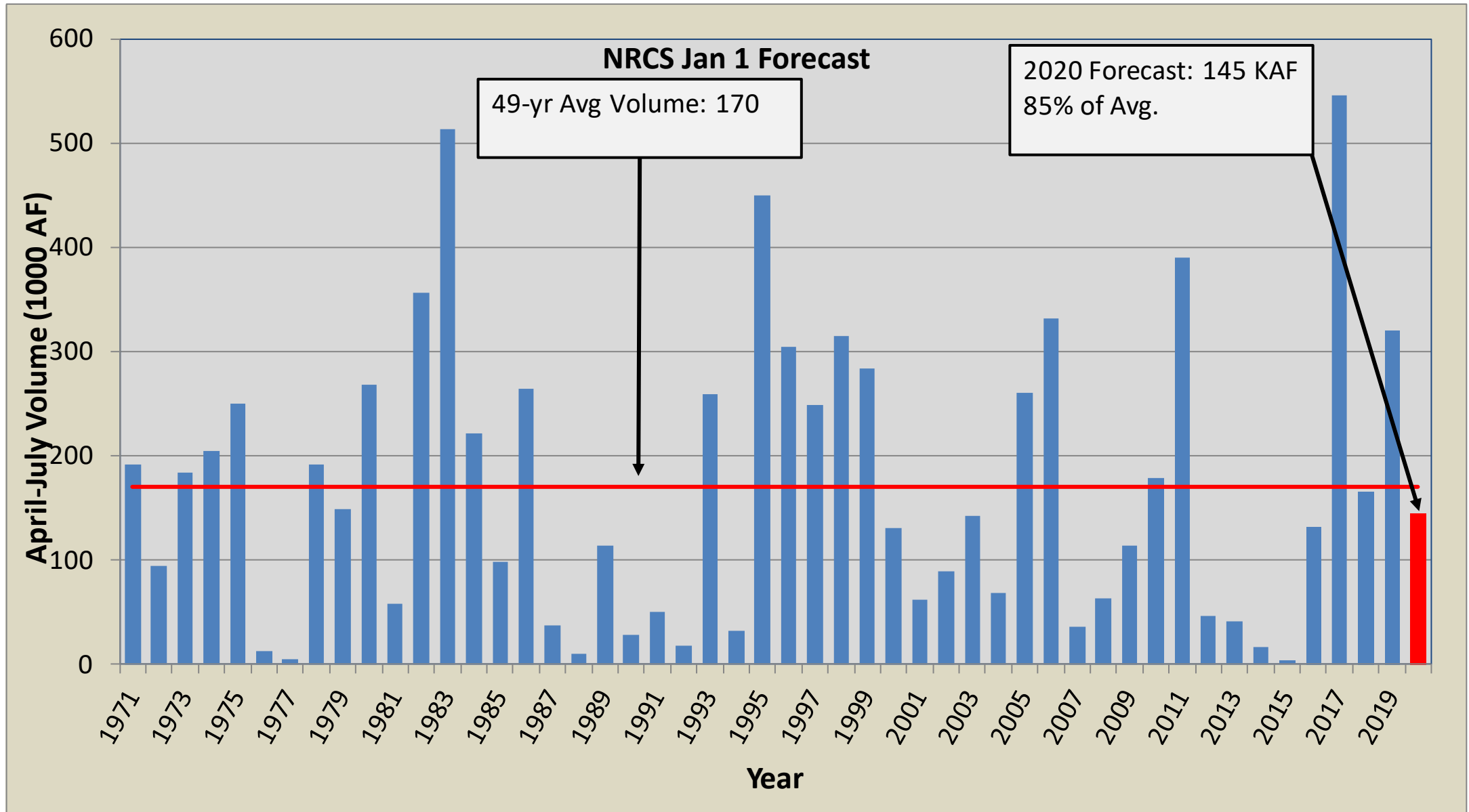
Historical & Forecasted A-J Runoff – Farad



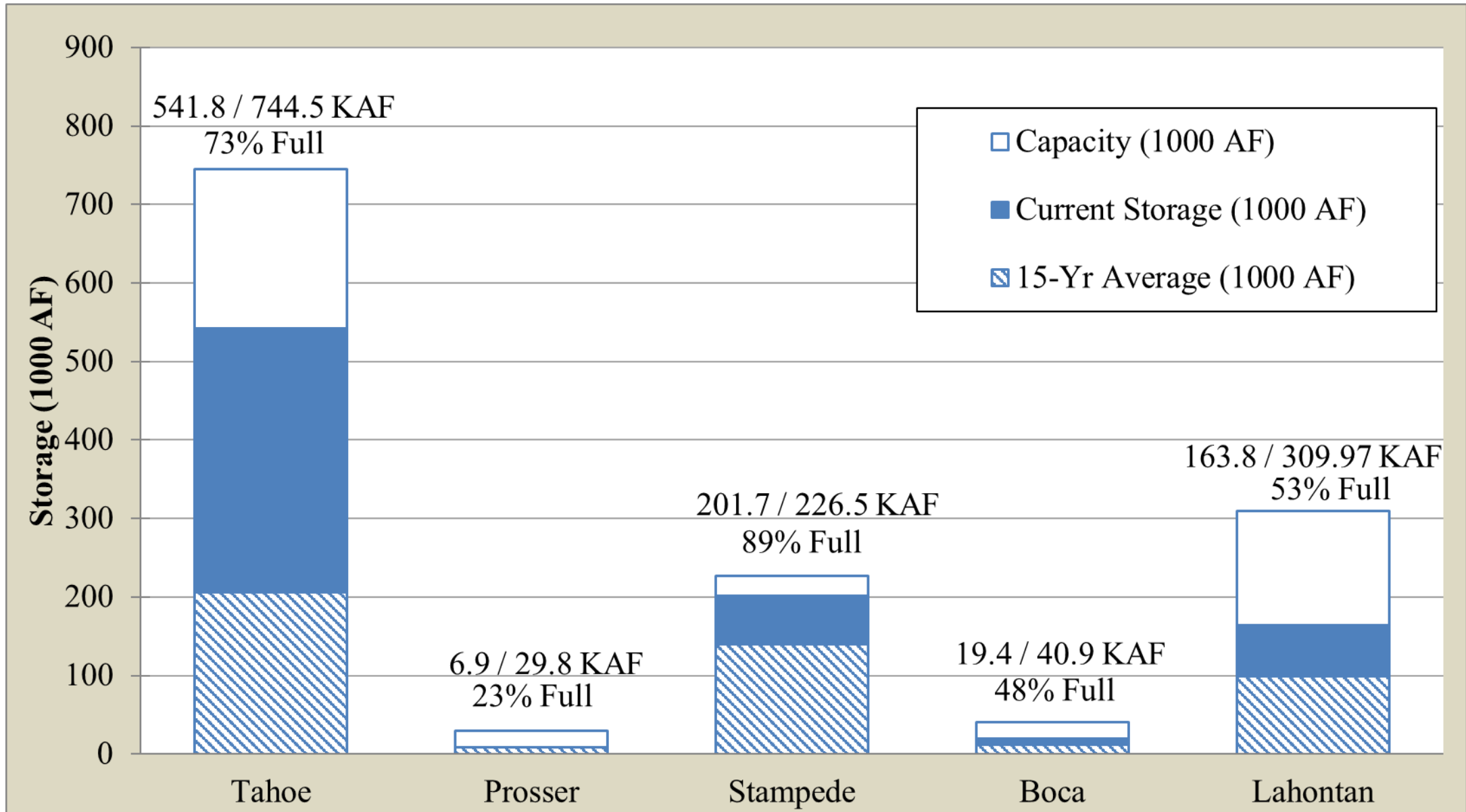
Average & Forecasted Ft. Churchill Flow



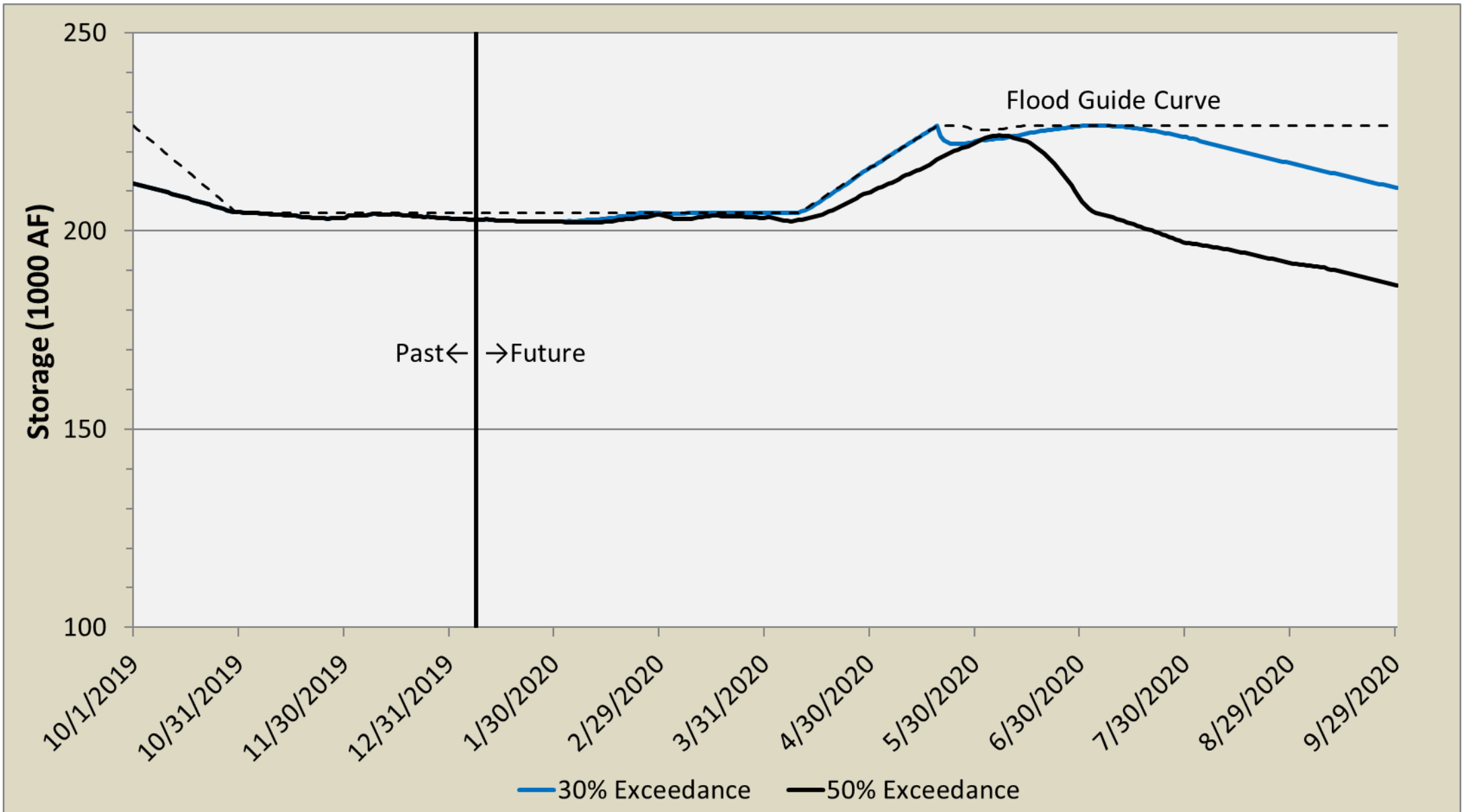
Historical & Forecasted A-J Runoff–Ft Churchill



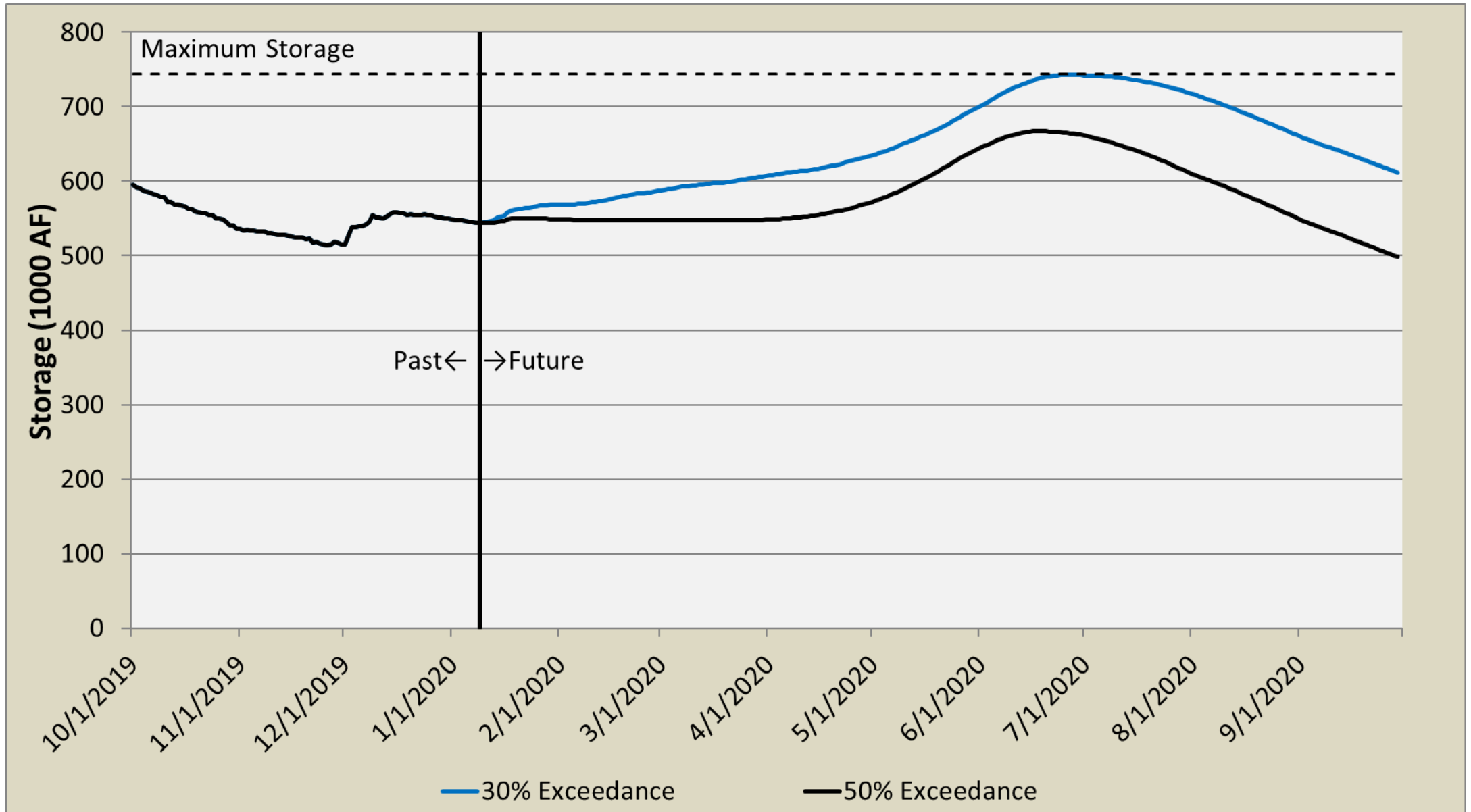
Current Reservoir Storage



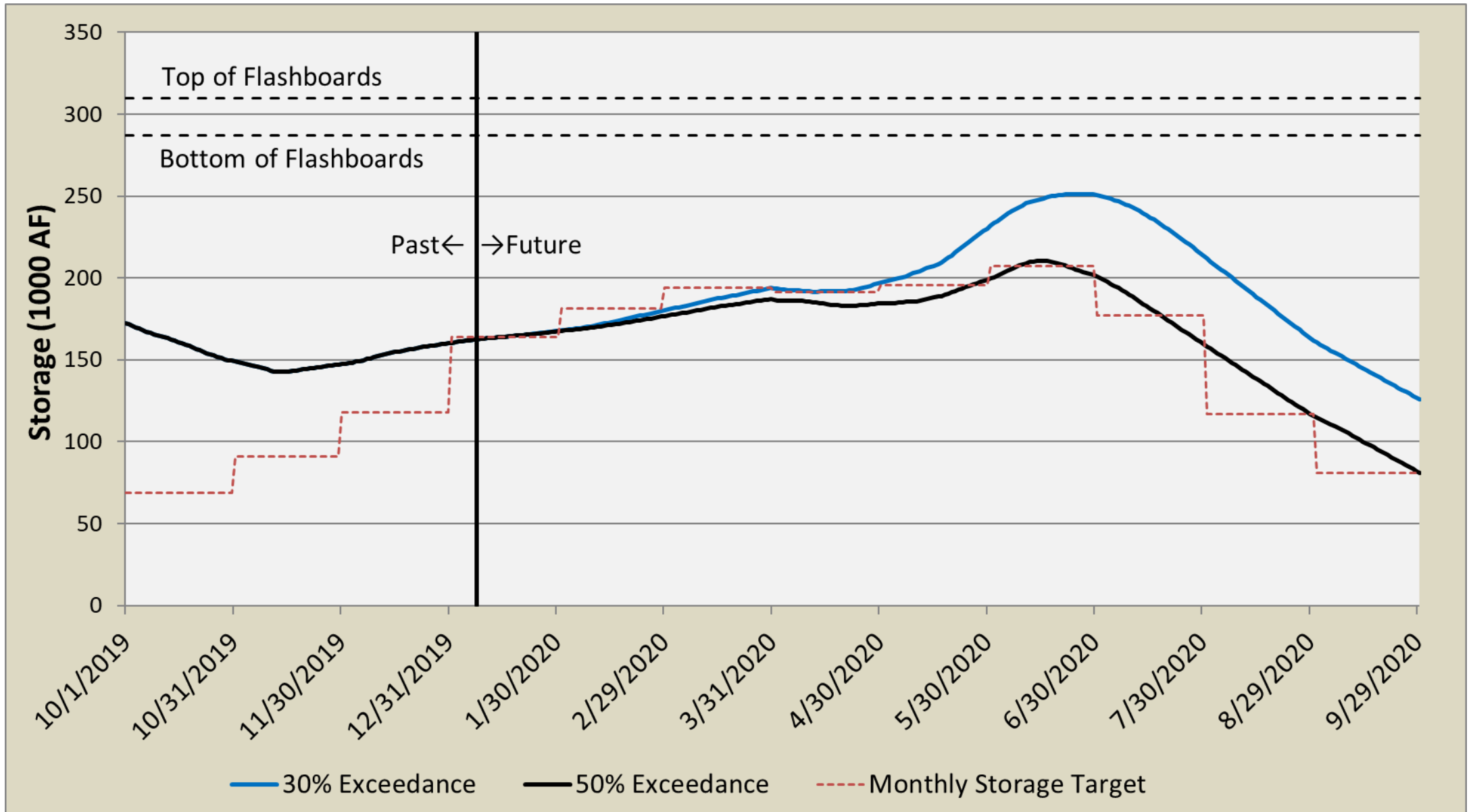
Stampede Reservoir Storage Forecast



Lake Tahoe Storage Forecast



Lahontan Reservoir Storage Forecast

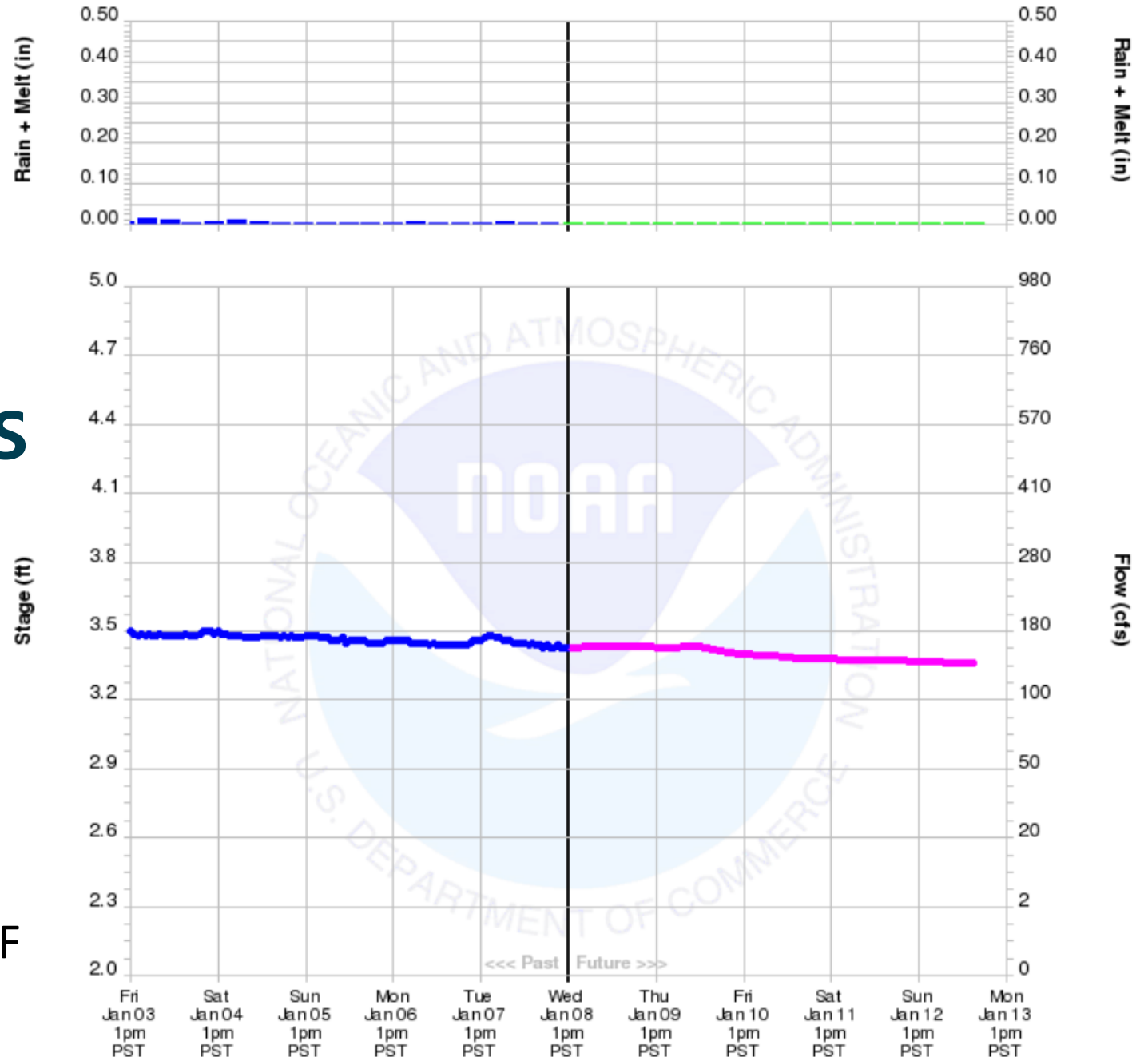


Monitor Stage: N/A

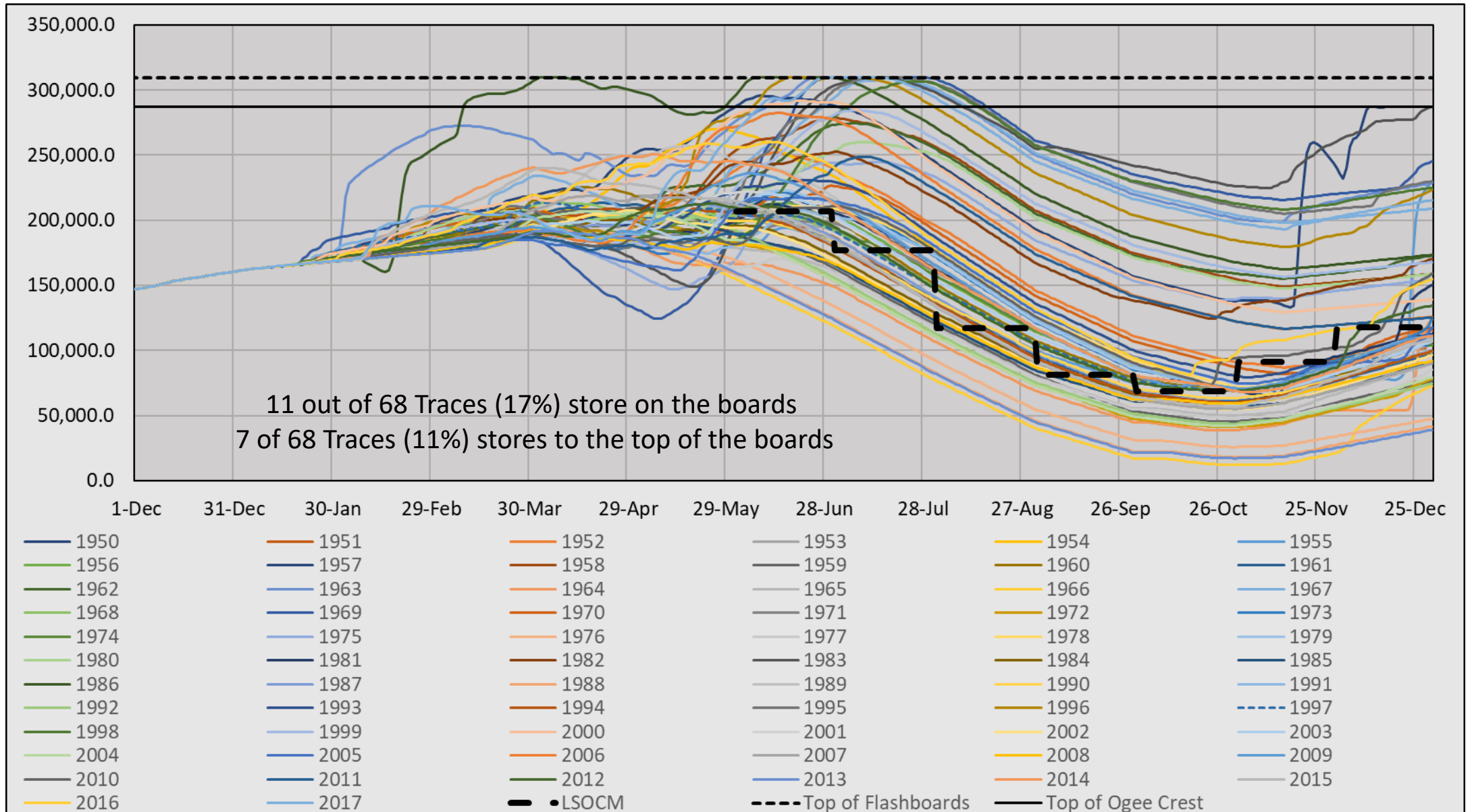
Flood Stage: N/A

Forecasted Lahontan Inflows

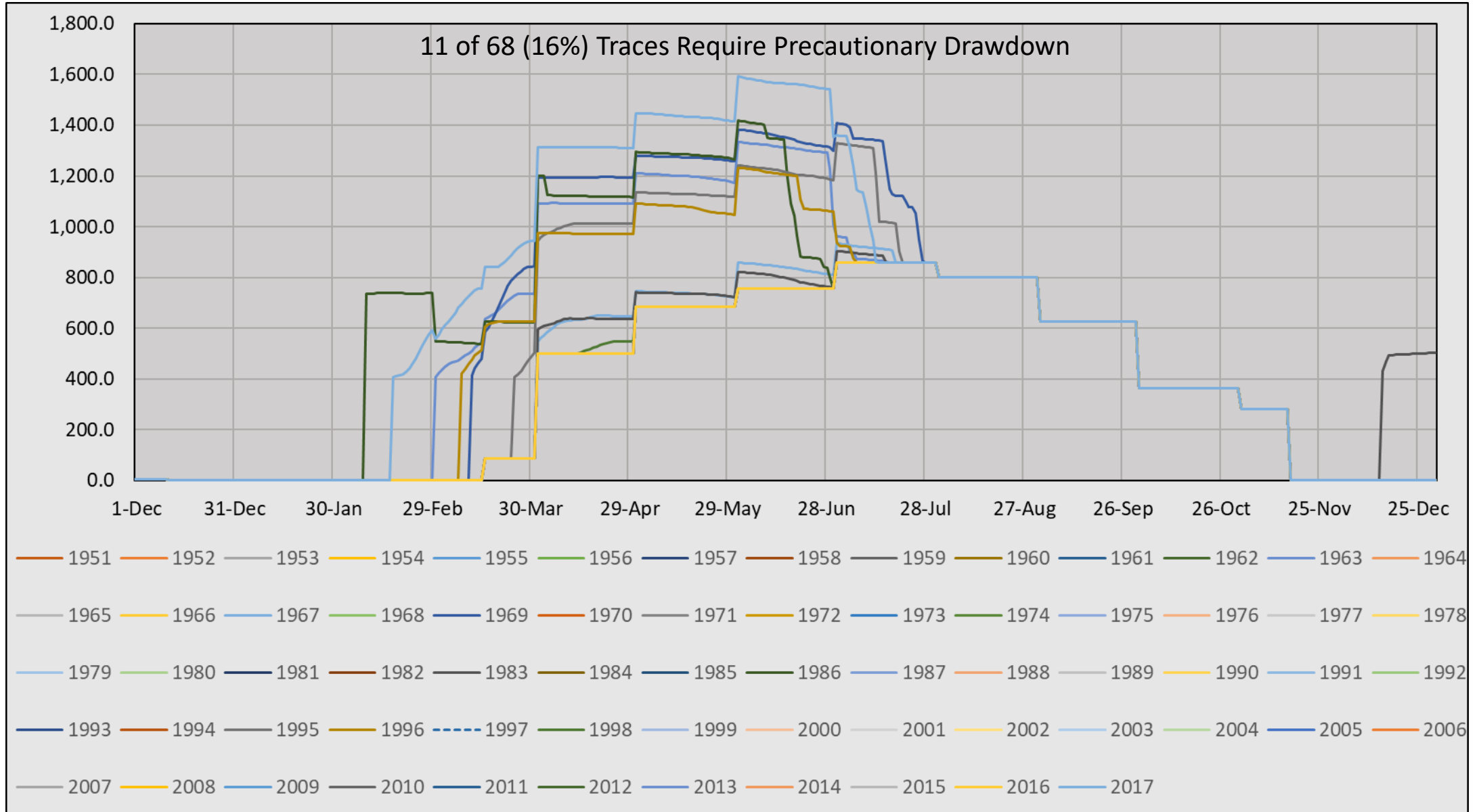
Ft. Churchill Inflows = 160 cfs
Lahontan Reservoir = 164,000 AF



Lahontan Reservoir Storage Forecast



Lahontan Forecasted Total Outflow (cfs)



Current Lahontan Operations

- 32% RFC traces show Lahontan Reservoir meeting storage targets without Truckee River diversions all year.
- MRM Riverware run forecasts that 11% of traces will fill Lahontan and 16% of traces show a precautionary drawdown.
- Newlands Project Credit Water will be stored if Lahontan Storage is below targets





End!

Comments or Questions?

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