



# Lahontan Basin Area Office Water Supply Outlook

**March 2019**

**Presented by: Dan Lahde**

# Topics

- **Newlands Project Credit Water**
- **Water Year 2019 Outlook**
  - **NRCS/RFC Forecasted Data**
  - **Current/Projected Reservoir Operations**

# Truckee and Carson River Basins and the Newlands Project



# **Newlands Project Credit Water (NPCW)**

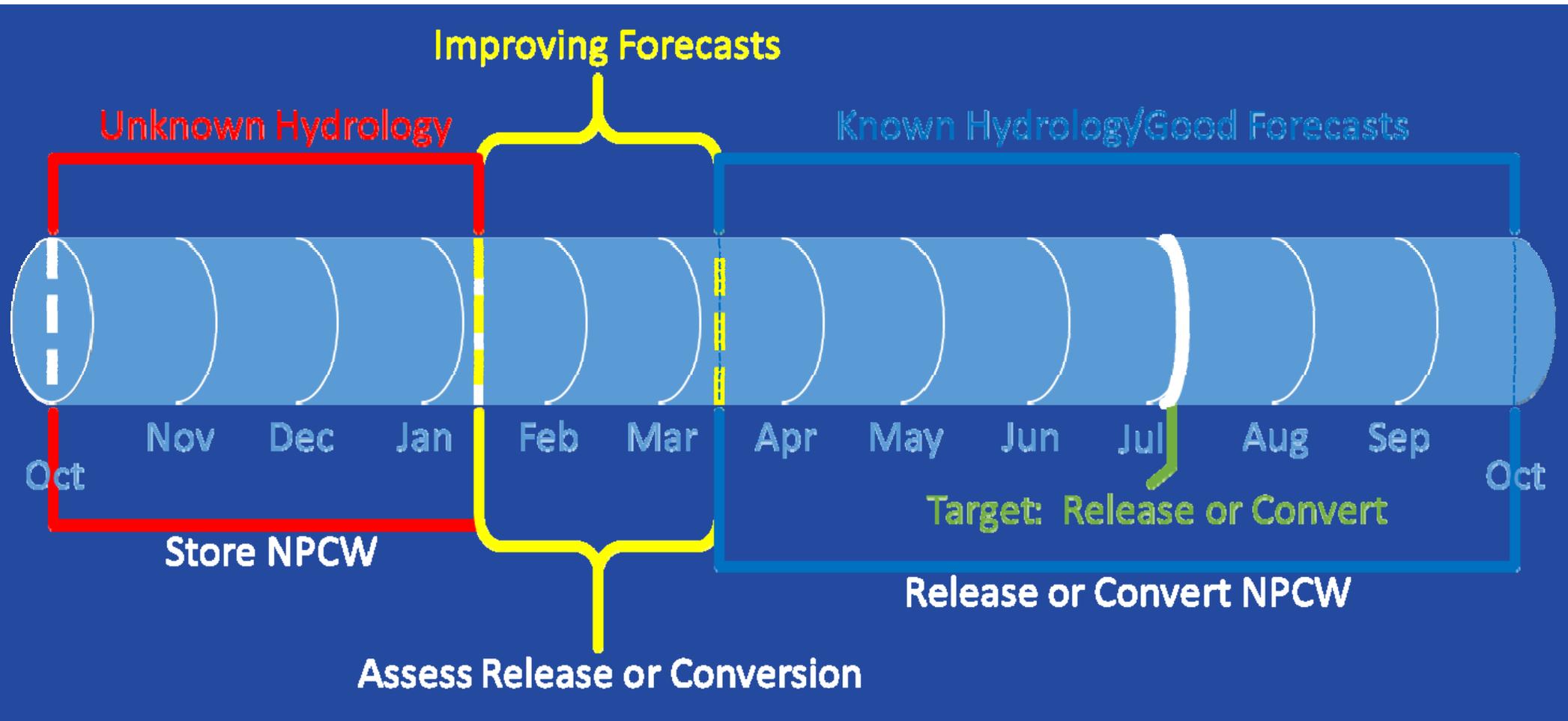
- **NPCW establishment is provided for by the Truckee River Operating Agreement (TROA) (TROA §7.H)**
- **Goal of NPCW under TROA: “...make maximum use of Carson River water for the Newlands Project and to minimize diversions of Truckee River water through the Truckee Canal...” (TROA §7.H)**
- **“NPCW established pursuant to TROA 7.H.1 shall be managed by the United States...”**

# **NPCW Establishment**

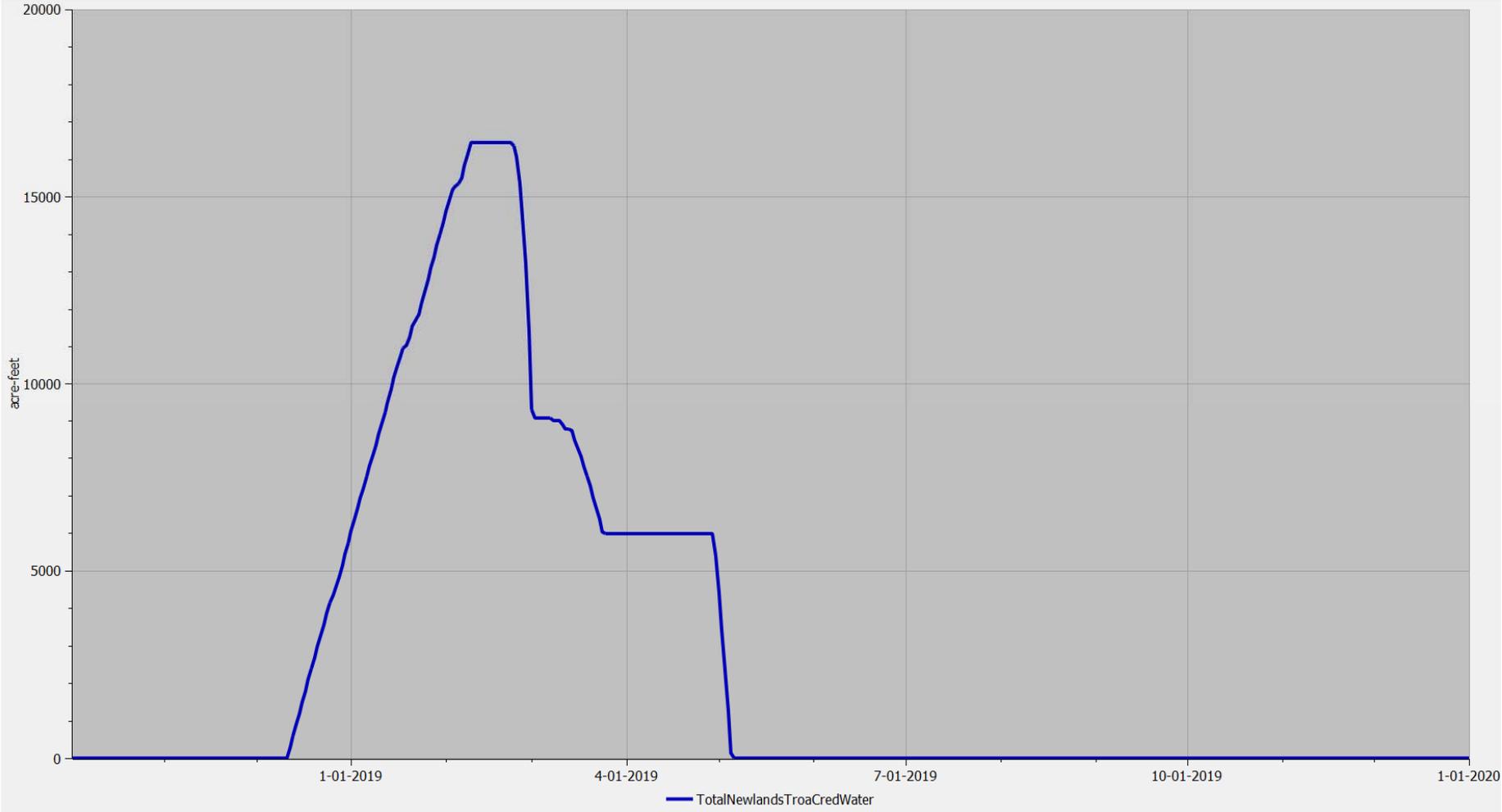
**NPCW Can be Established by:**

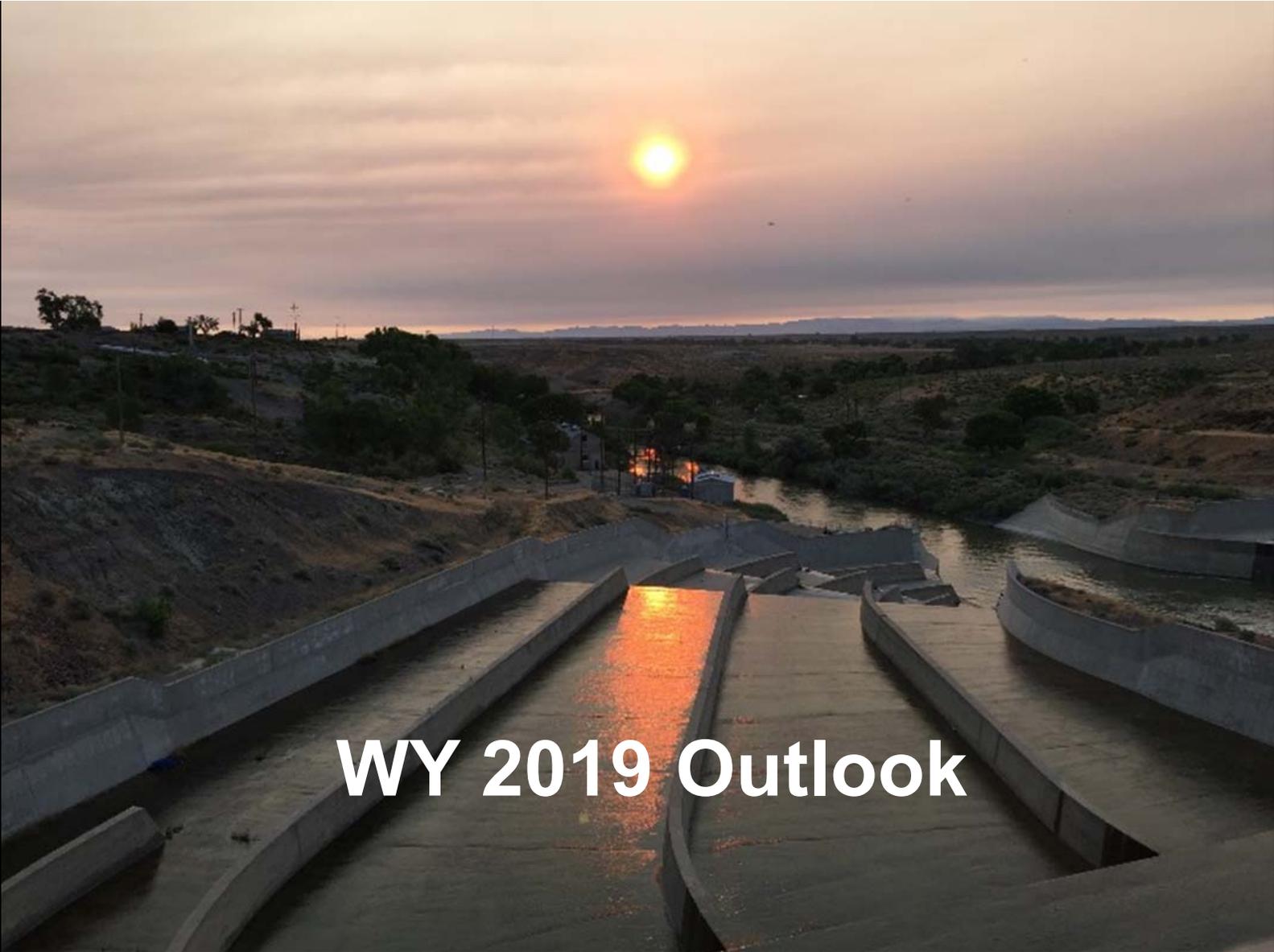
- **Exchange volume that would have been diverted at Derby with an equal amount of Fish Credit Water (§7.H.2(a))**
- **Floriston Rate Holdback - Retaining in storage an amount of Floriston Rate Water (§7.H.2(b)(1))**
- **Above Floriston Rate Holdback - Retaining in storage Truckee River flow in excess of Floriston Rates (§7.H.2(b)(2))**

# NPCW Management



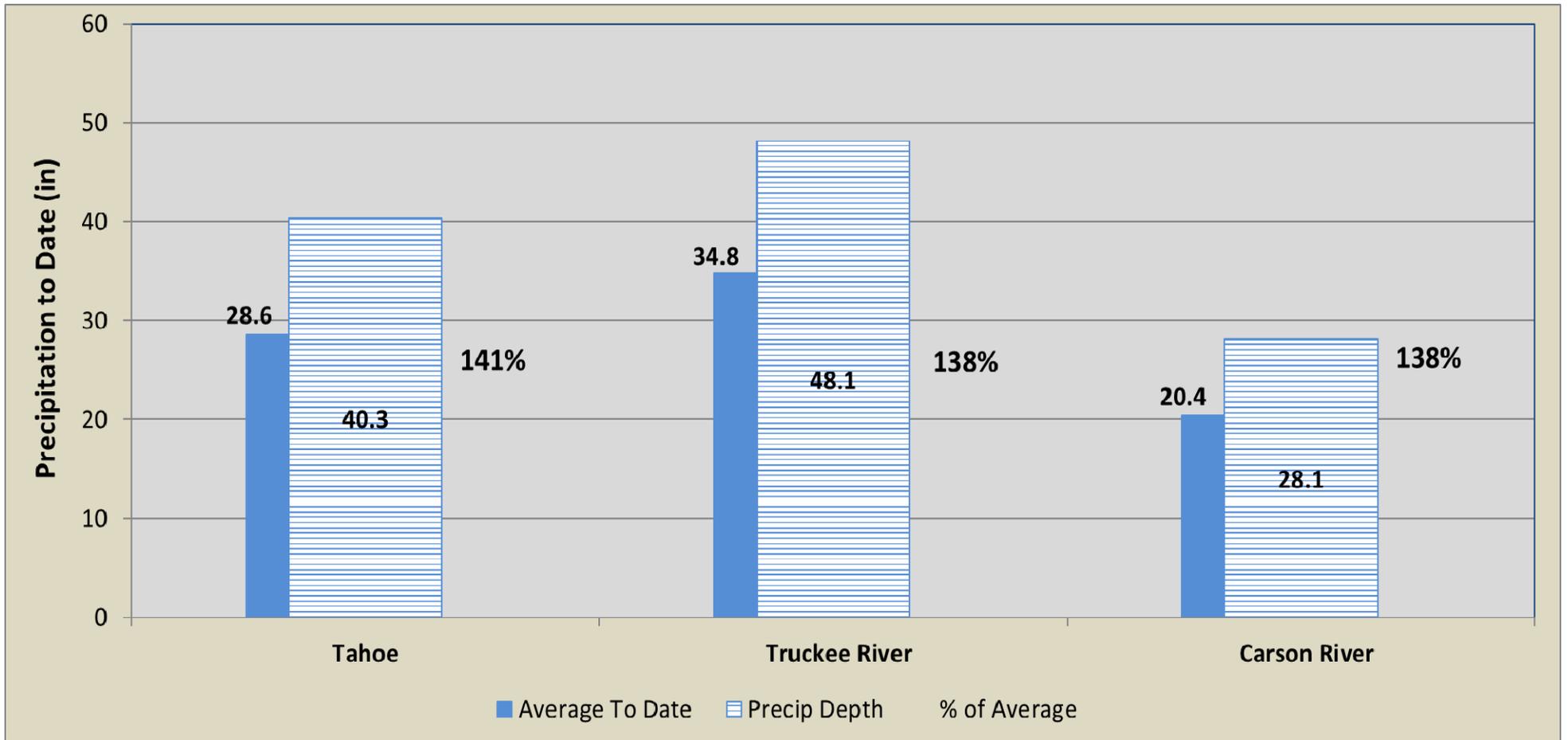
# 2018-2019 NPCW Operations



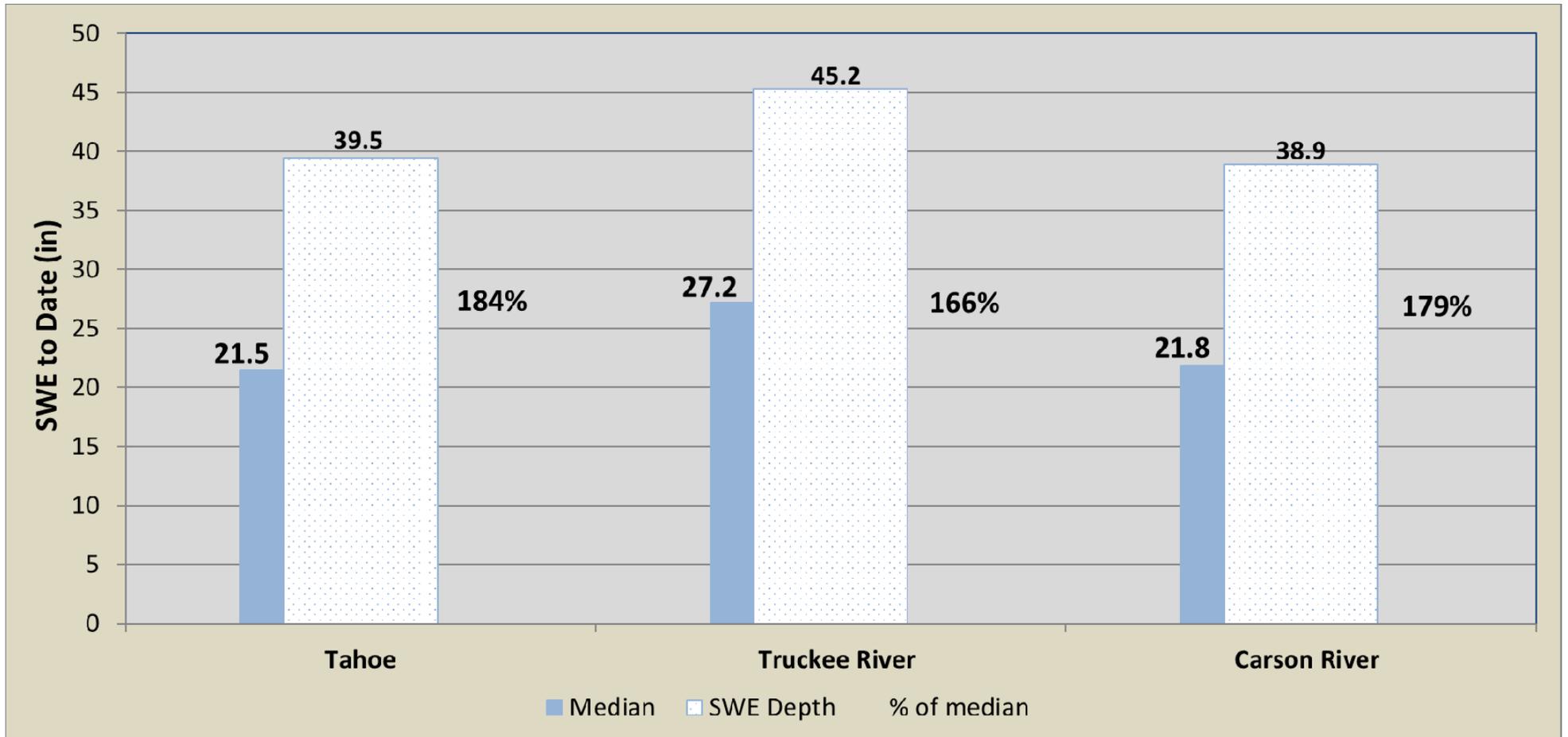


# WY 2019 Outlook

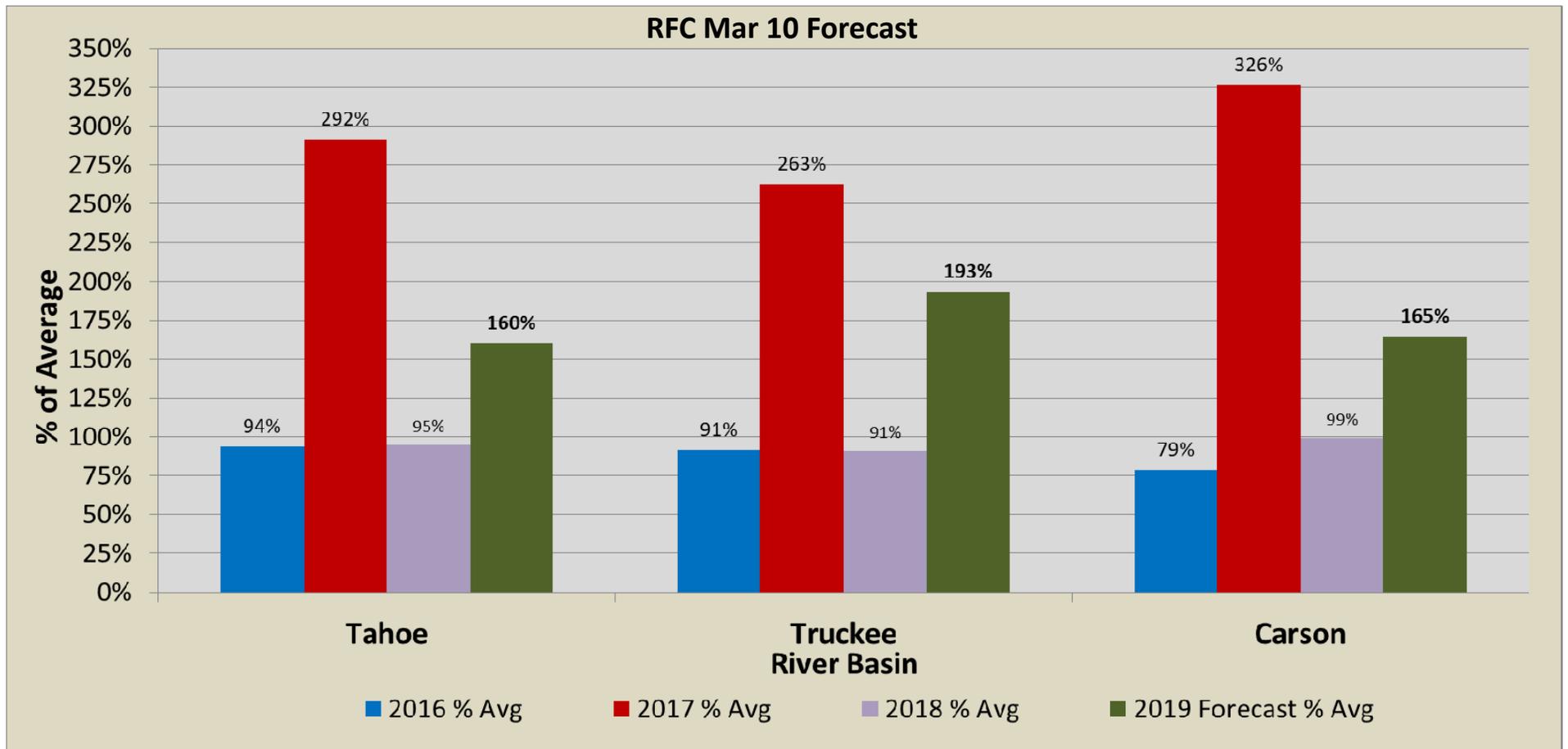
# Current WY Precipitation To Date



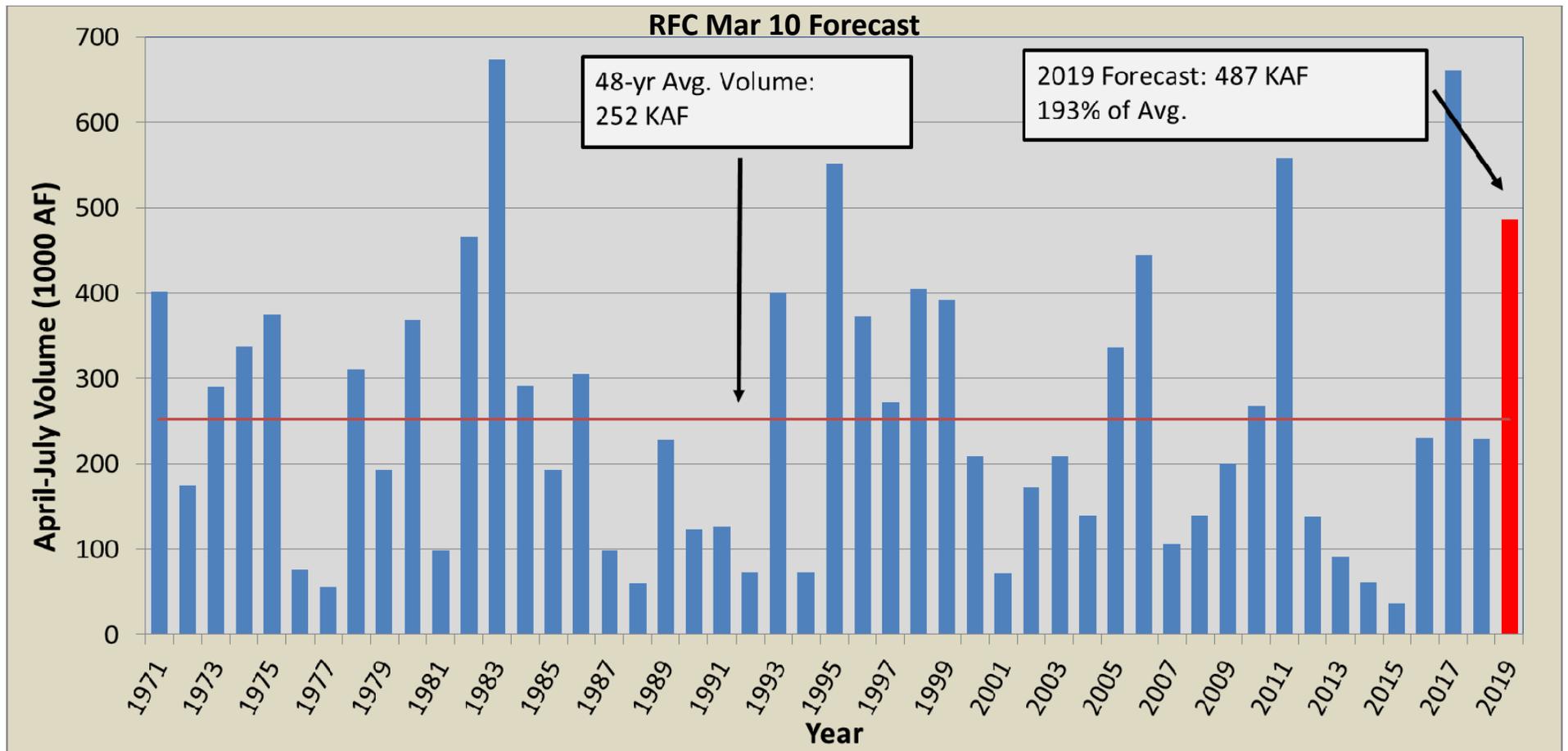
# Current Snowpack



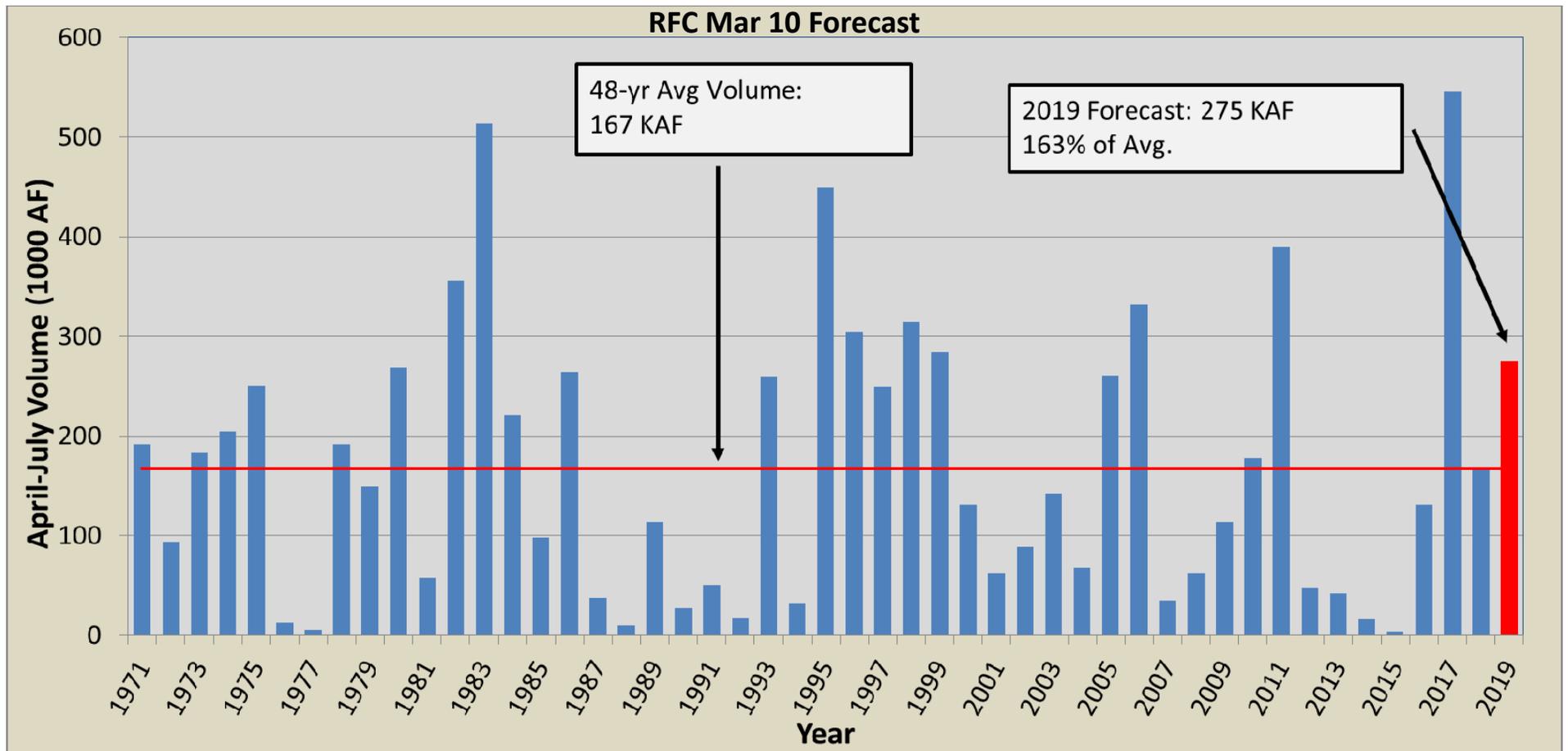
# Historical & Forecasted Apr-Jul Runoff by Basin



# Historical & Forecasted A-J Runoff - Truckee

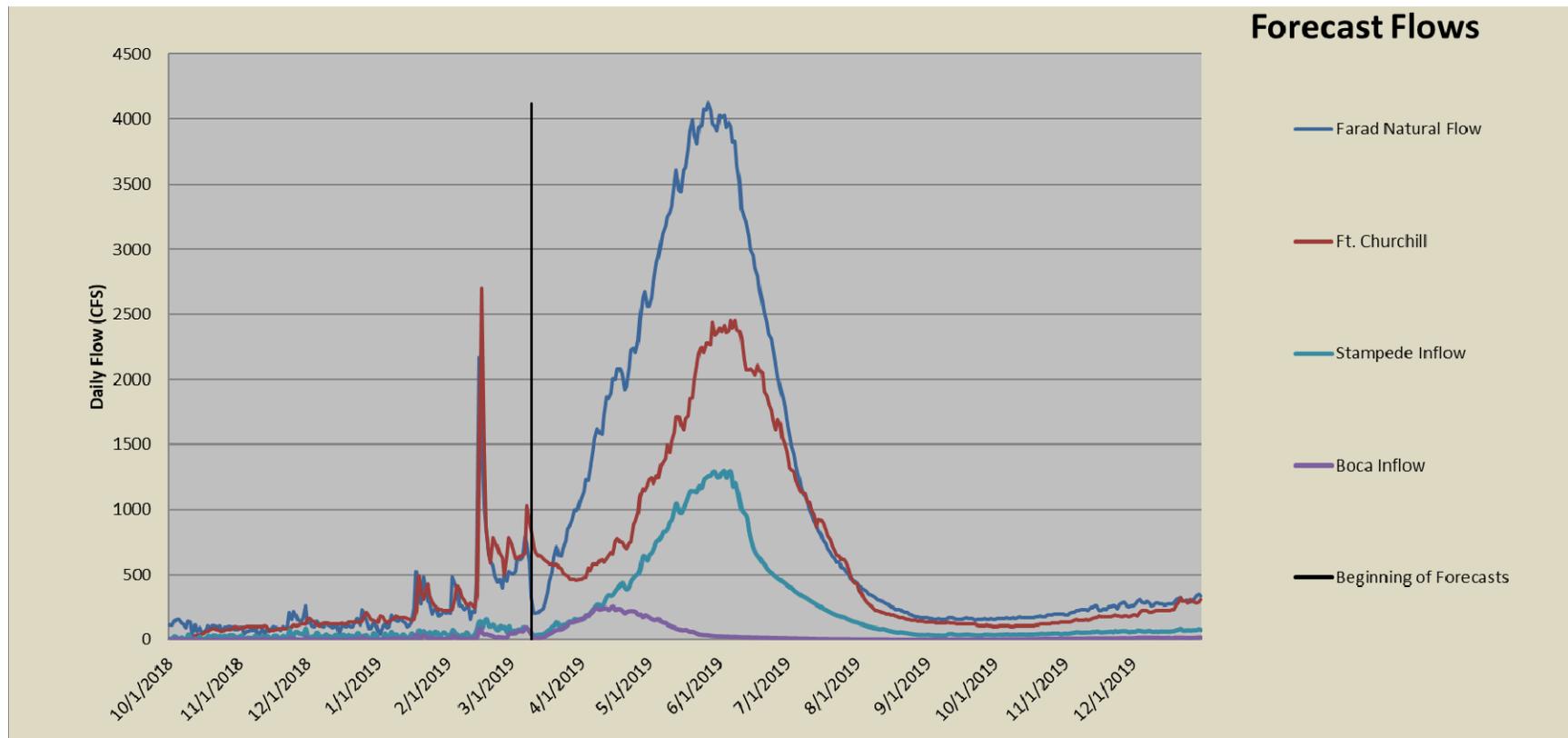


# Historical & Forecasted A-J Runoff - Carson

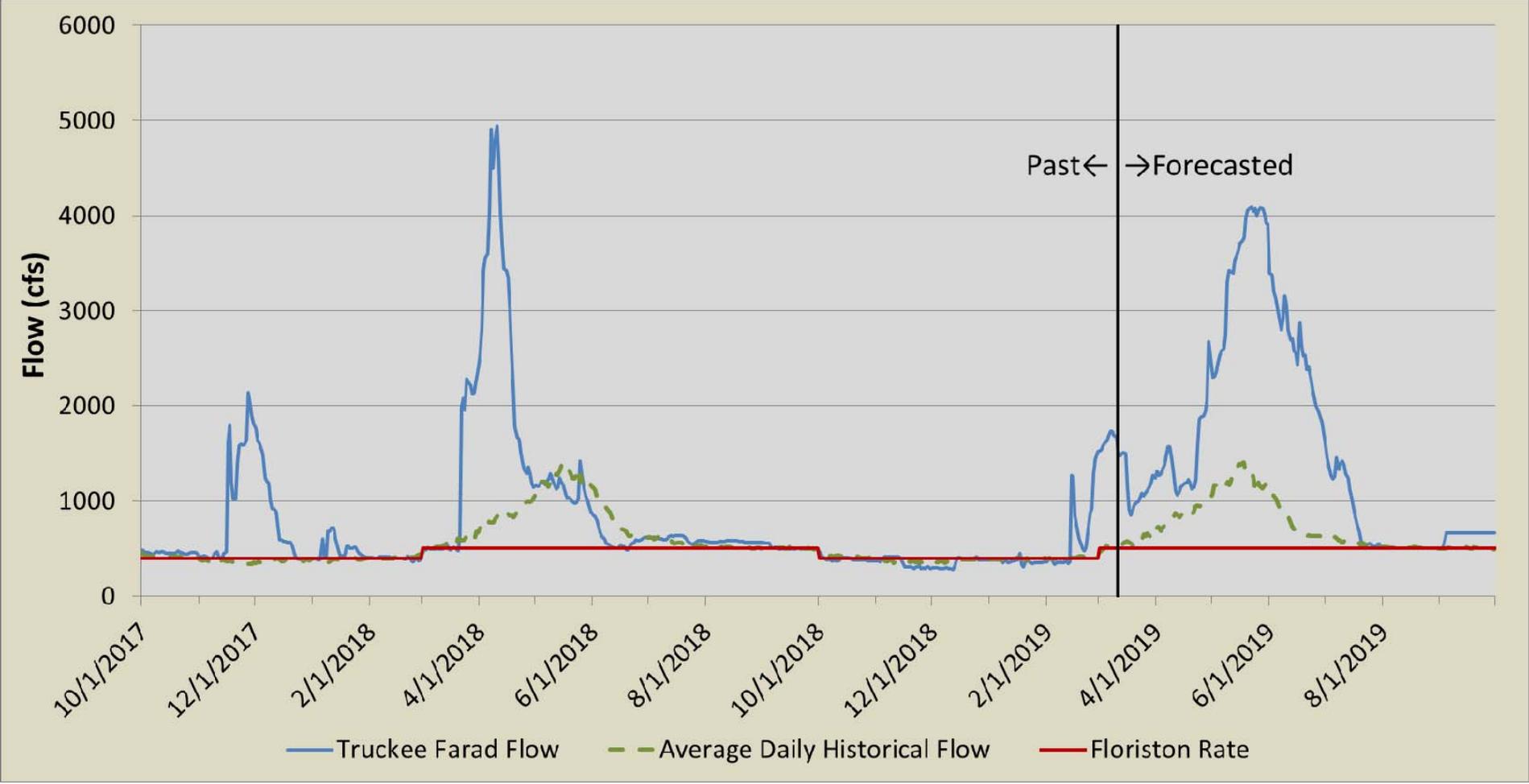


# WY 2019 Mar 10 RFC Forecast - Hydrograph

	Farad AJ Vol (KAF)	Carson AJ Vol (KAF)	Tahoe Gate Closed Rise (ft.)
30% (W)	563	330	2.6
50% (M)	<b>487</b>	<b>275</b>	<b>2.1</b>
70% (D)	389	196	1.6



# Average & Forecasted Farad Flow



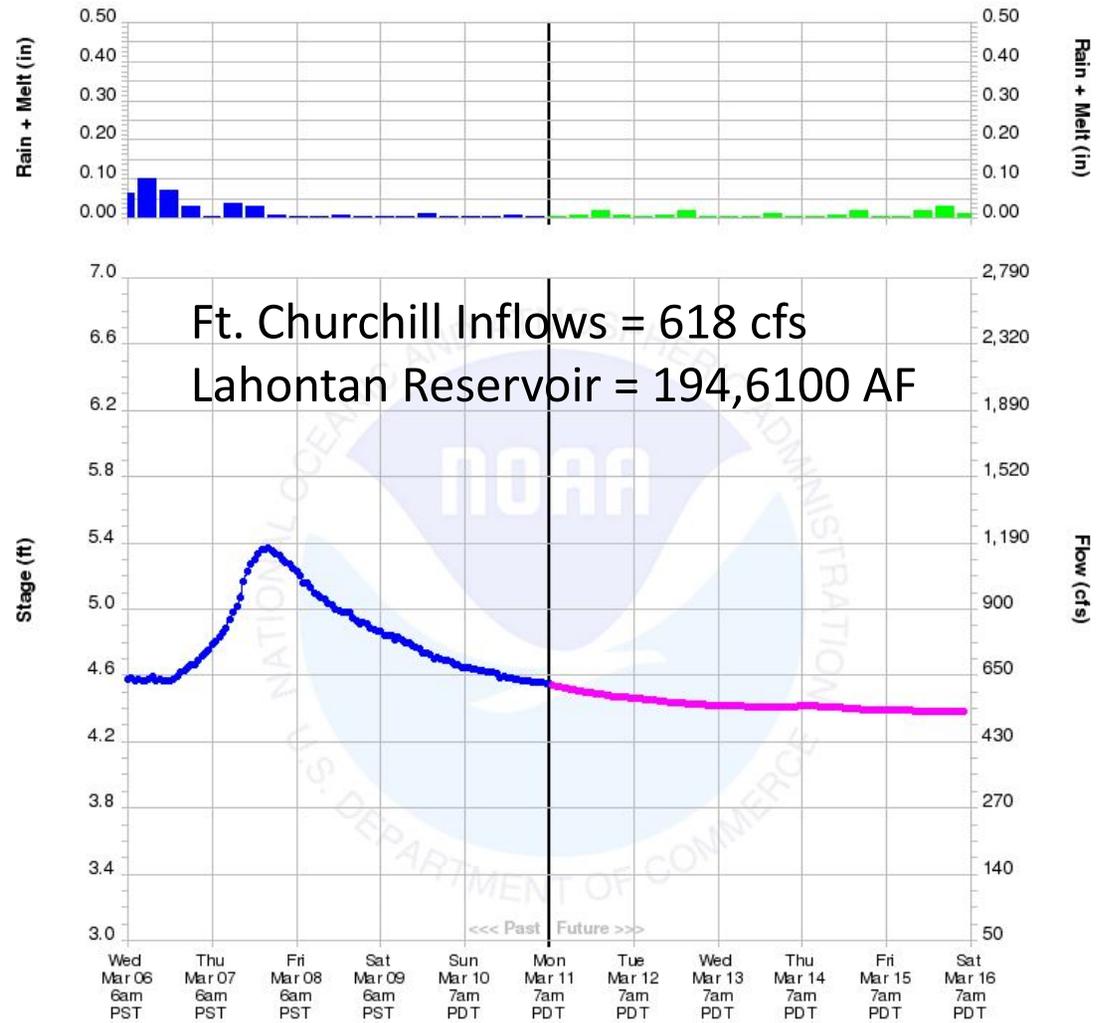
# Forecasted Lahontan Inflows

Issuance Time: Mar 11 2019 at 7:39 AM PDT

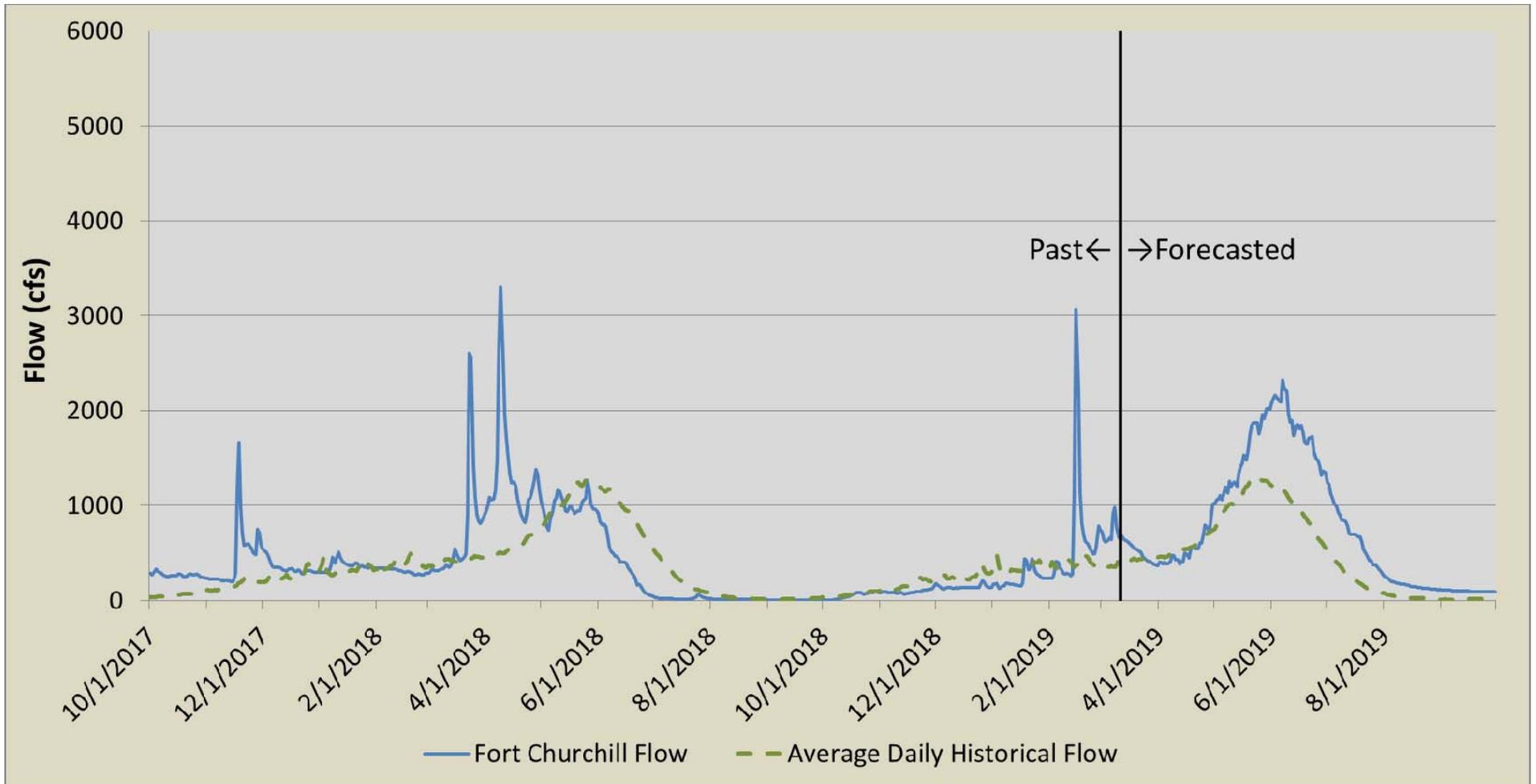
Next Issuance: Mar 11 2019 at 3:00 PM PDT

Monitor Stage: N/A

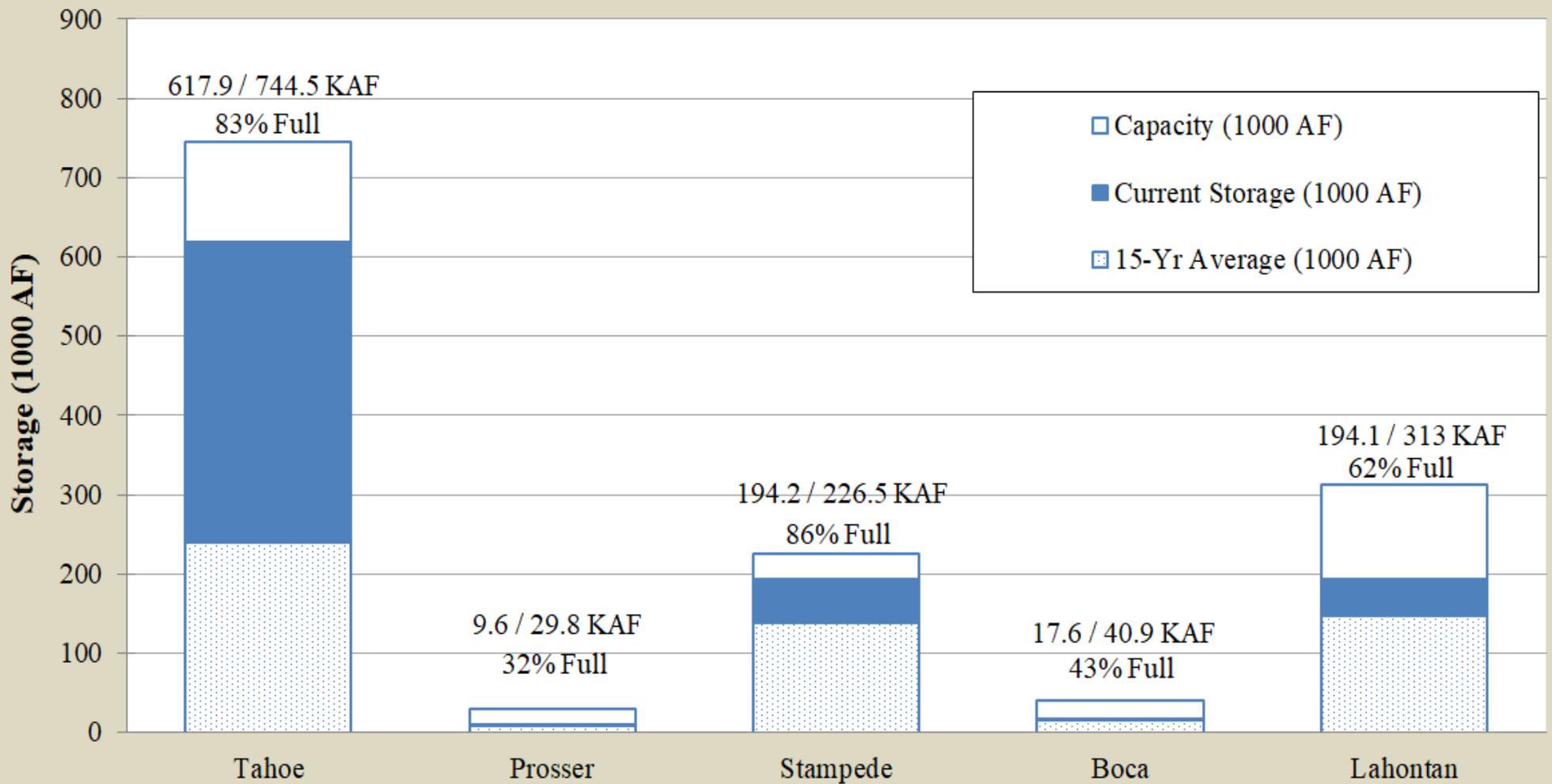
Flood Stage: N/A



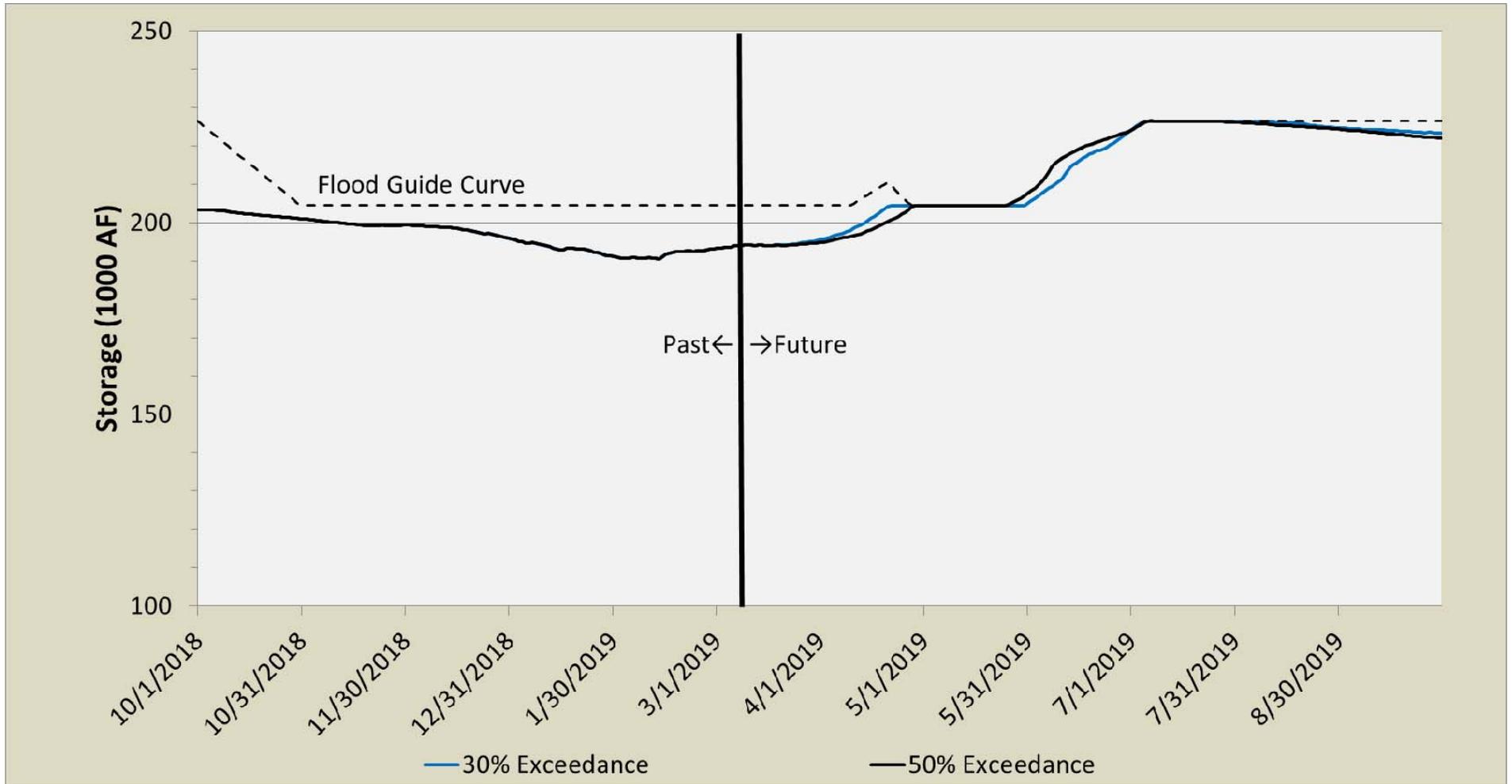
# Average & Forecasted Ft. Churchill Flow



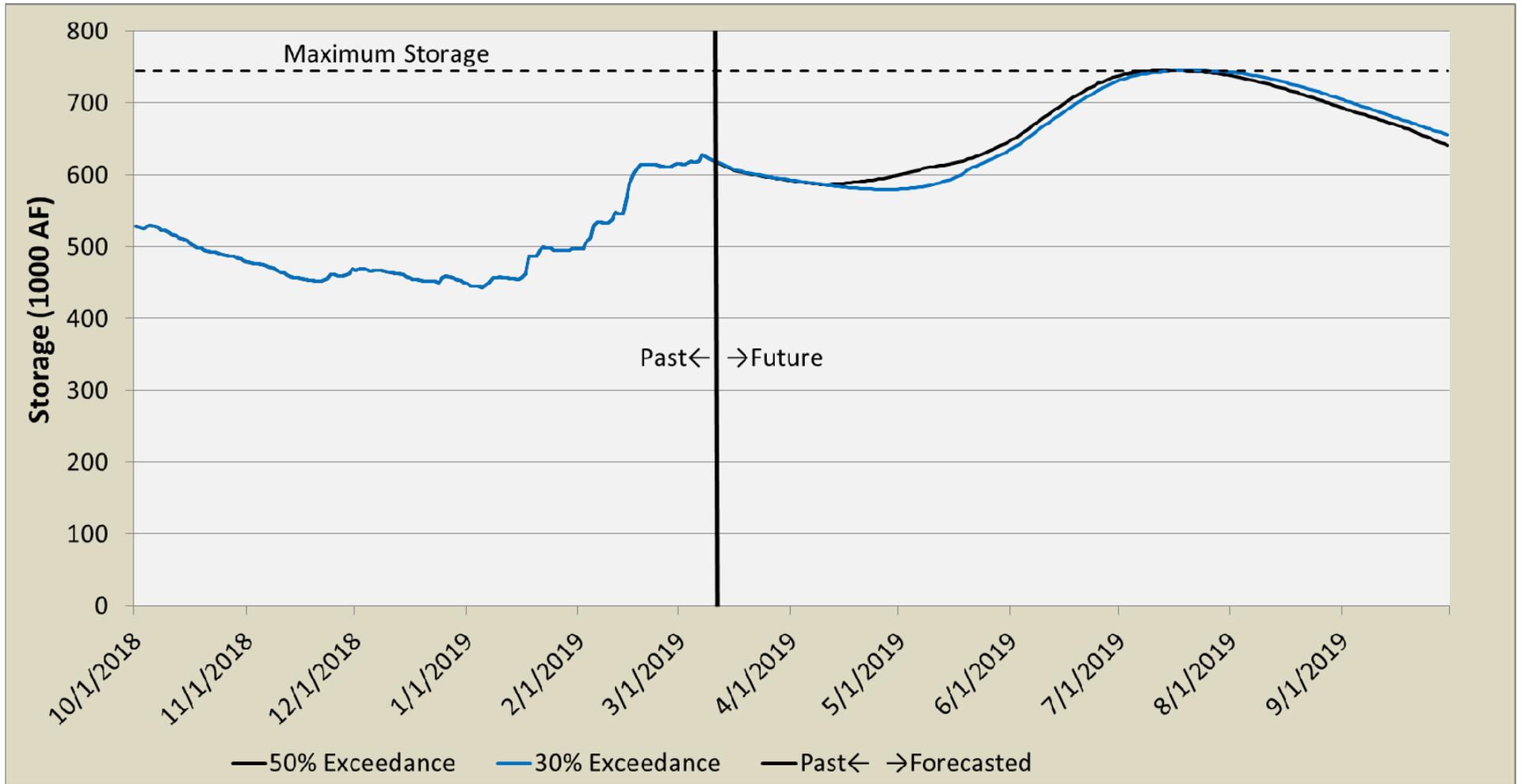
# Current Reservoir Storage



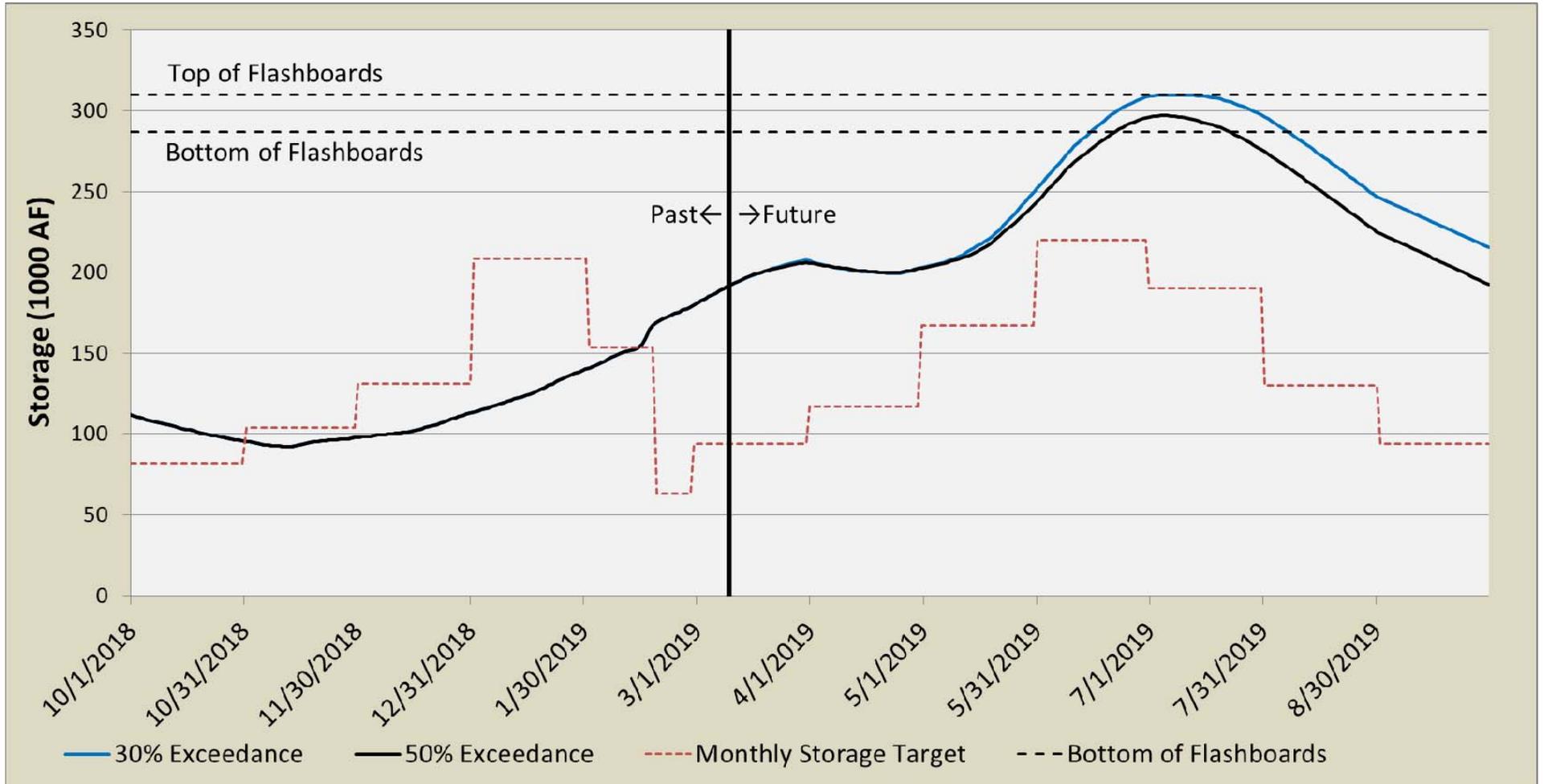
# Stampede Reservoir Storage Forecast



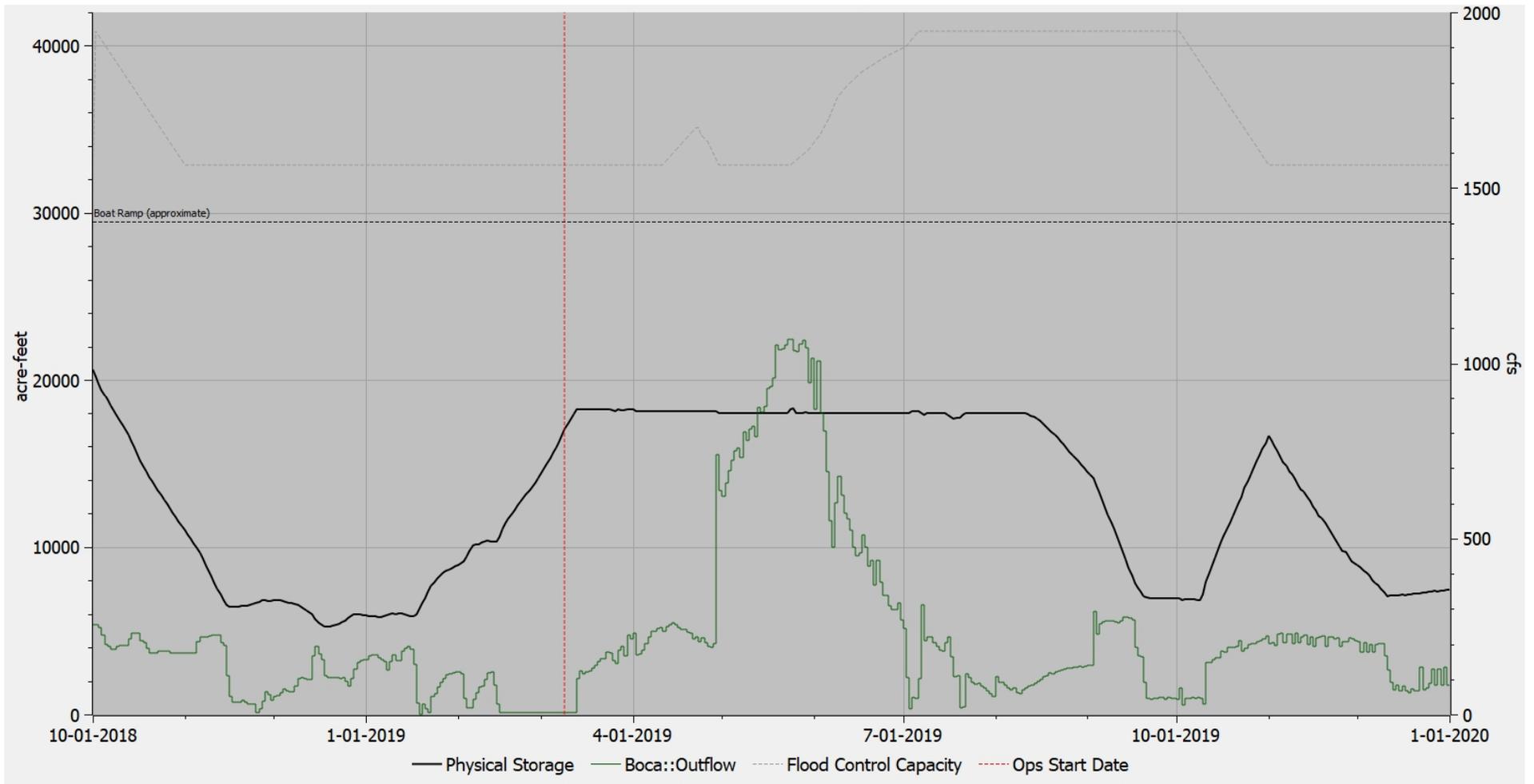
# Lake Tahoe Storage Forecast



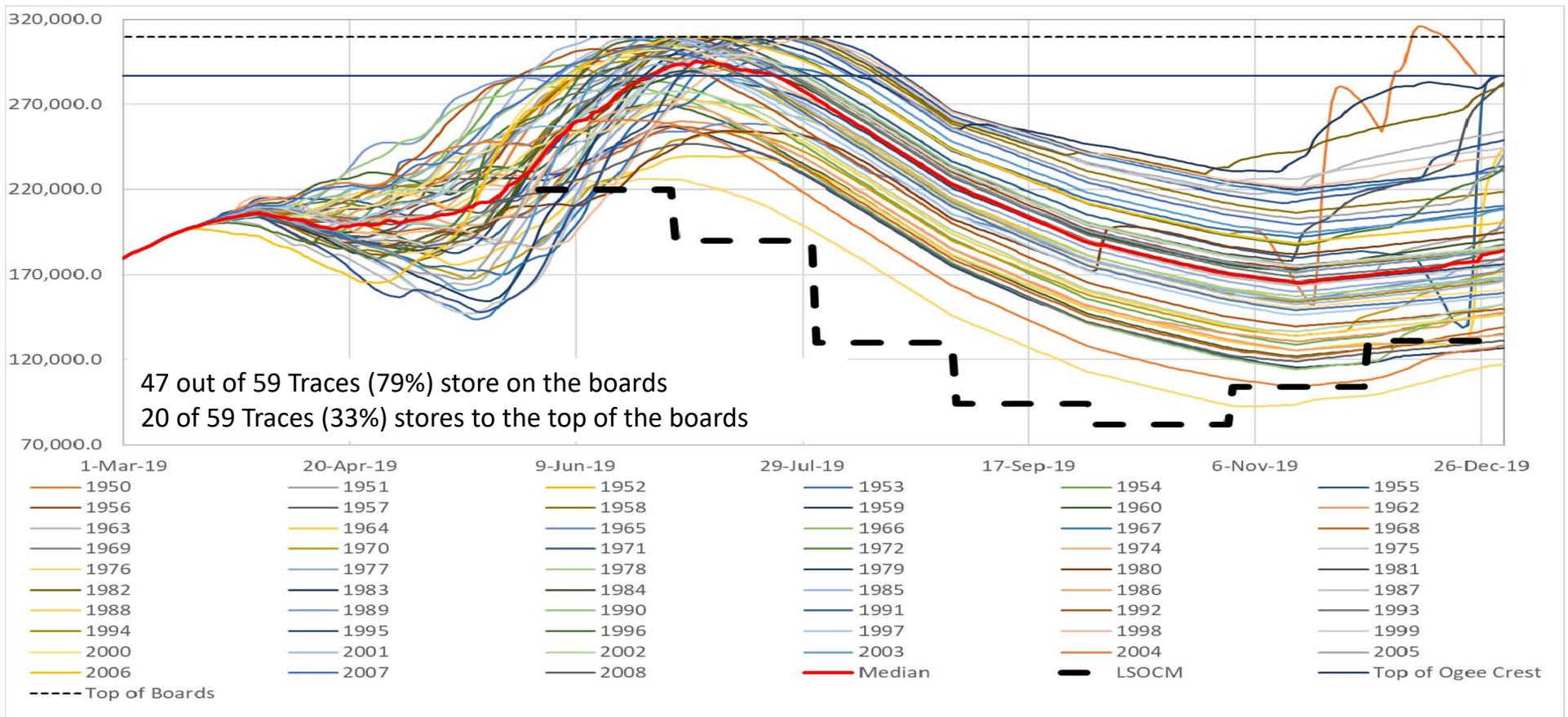
# Lahontan Reservoir Storage Forecast



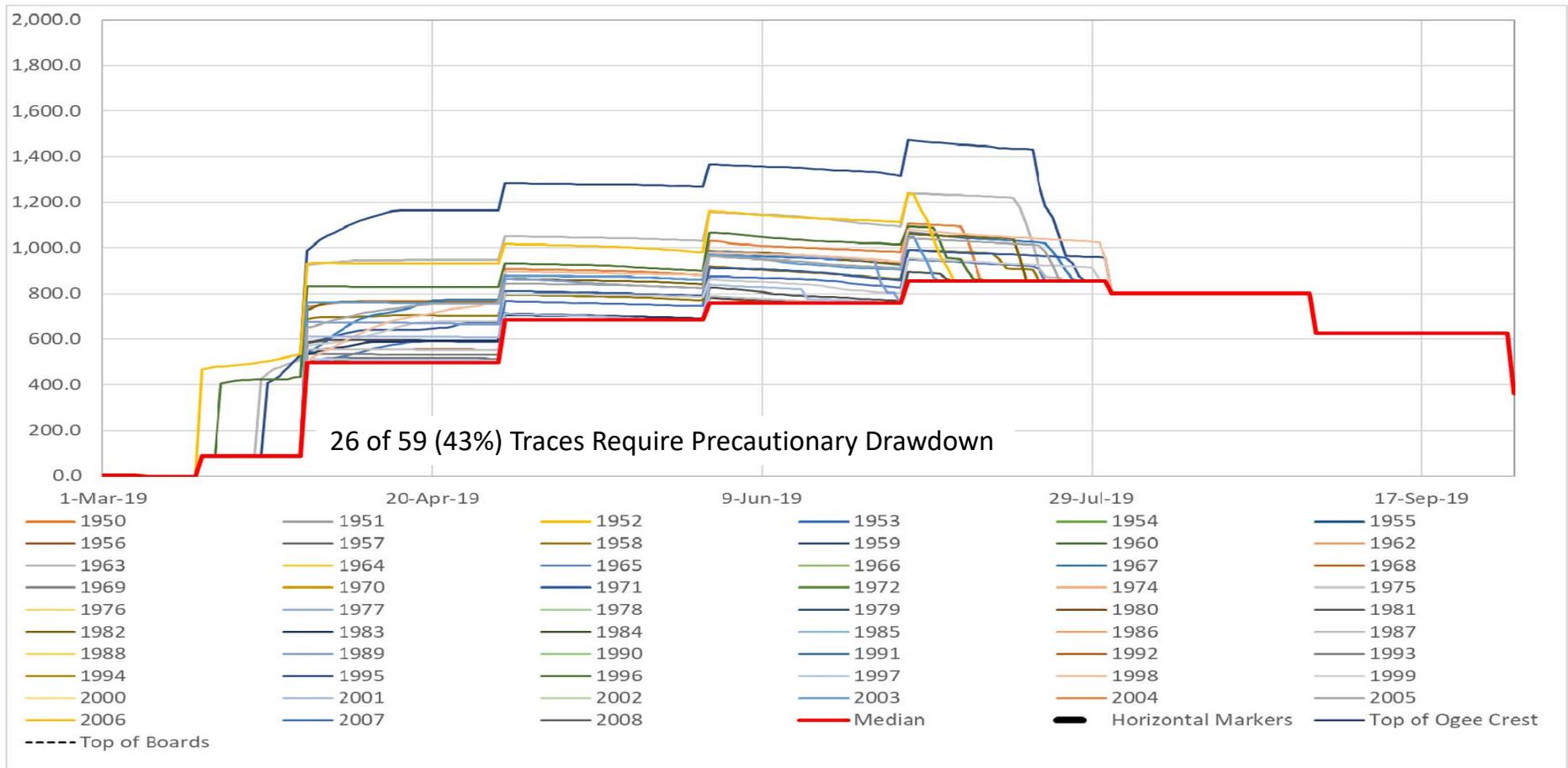
# Boca Reservoir Storage Forecast



# Lahontan Reservoir Storage Forecast - MRM



# Lahontan Forecasted Total Outflow (cfs) - MRM



# Current Lahontan Operations

- The 30% and 50% RFC forecast exceedance runs show Lahontan Reservoir storing on the flashboards in 2019.
- MRM Riverware run forecasts that 33% of traces will fill Lahontan and 43% of traces show a precautionary drawdown.
- Based on the forecast, no additional NPCW will be established or released in 2019.



**Slide 25**

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**CKM6**    **Need to edit**  
Clancey, Katherine Marie, 3/8/2019



**End!**  
**Comments or Questions?**

**RECLAMATION**  
*Managing Water in the West*