

# RECLAMATION

*Managing Water in the West*

**Flaming Gorge Working Group  
Meeting**

**Hydrology and Forecasted  
Operations**

**April 24, 2014**



U.S. Department of the Interior  
Bureau of Reclamation

# Flaming Gorge Working Group Meeting April 2014

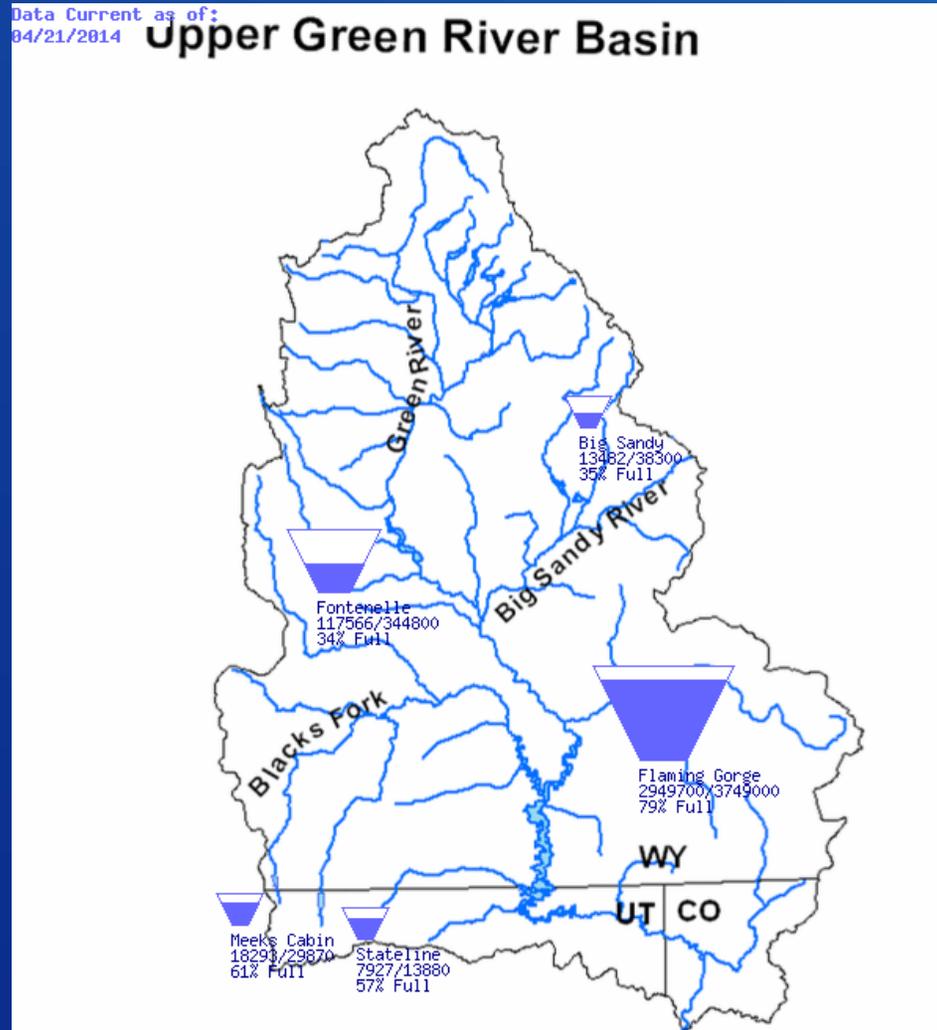
Live Capacity	3.752	MAF
<u>Capacity on 4/22/14</u>	<u>2.950</u>	<u>MAF</u>
Available Space	.802	MAF
Percentage of Full	79	%

Reservoir Elev. (Min Power)	5908.00	feet
<u>Elevation on 4/22/14</u>	<u>6019.15</u>	<u>feet</u>
Elevation above (Min)	111.15	feet

Average Inflow	1,980	cfs
Average Release	830	cfs

RECLAMATION

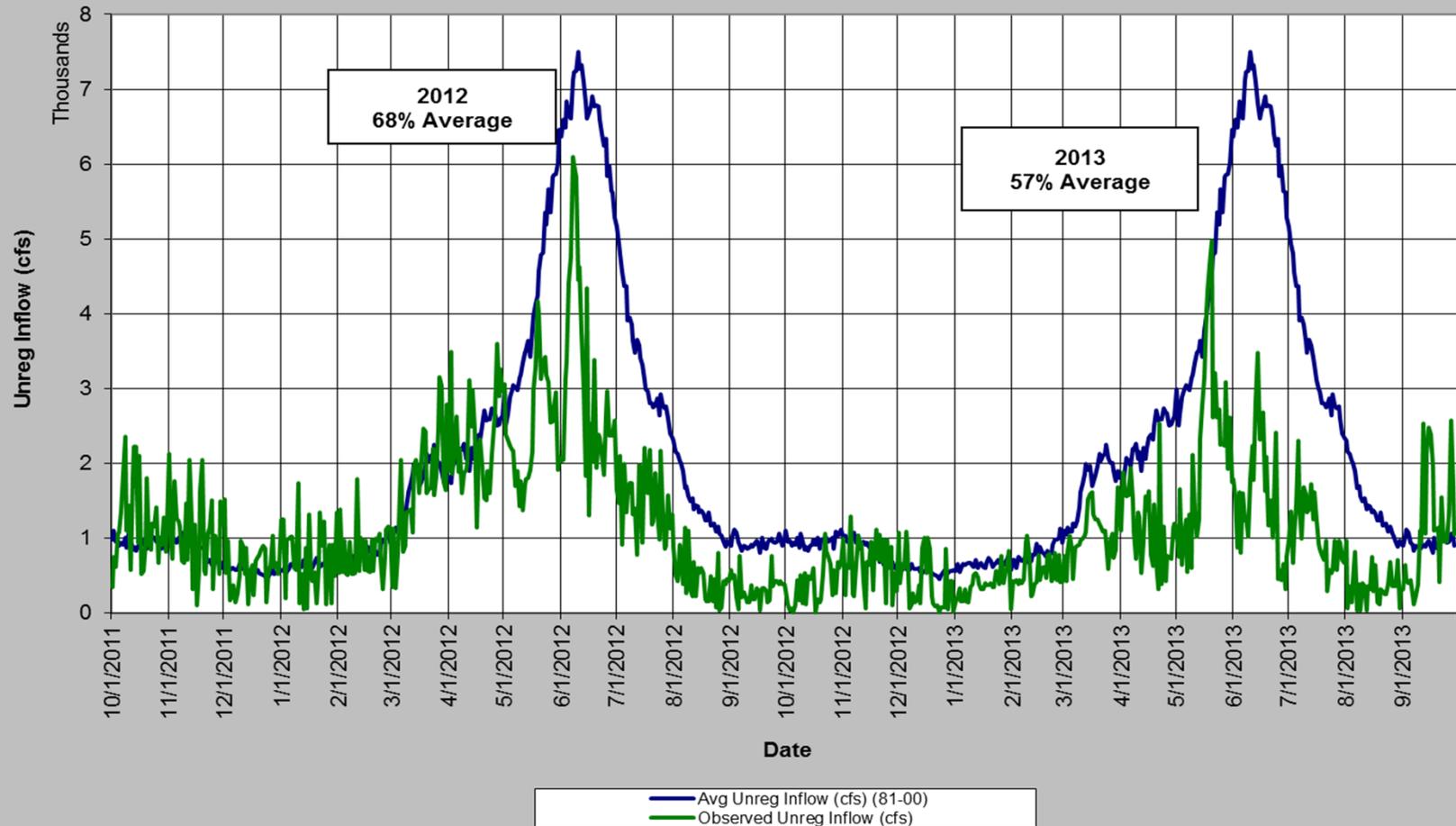
# Flaming Gorge Working Group



RECLAMATION

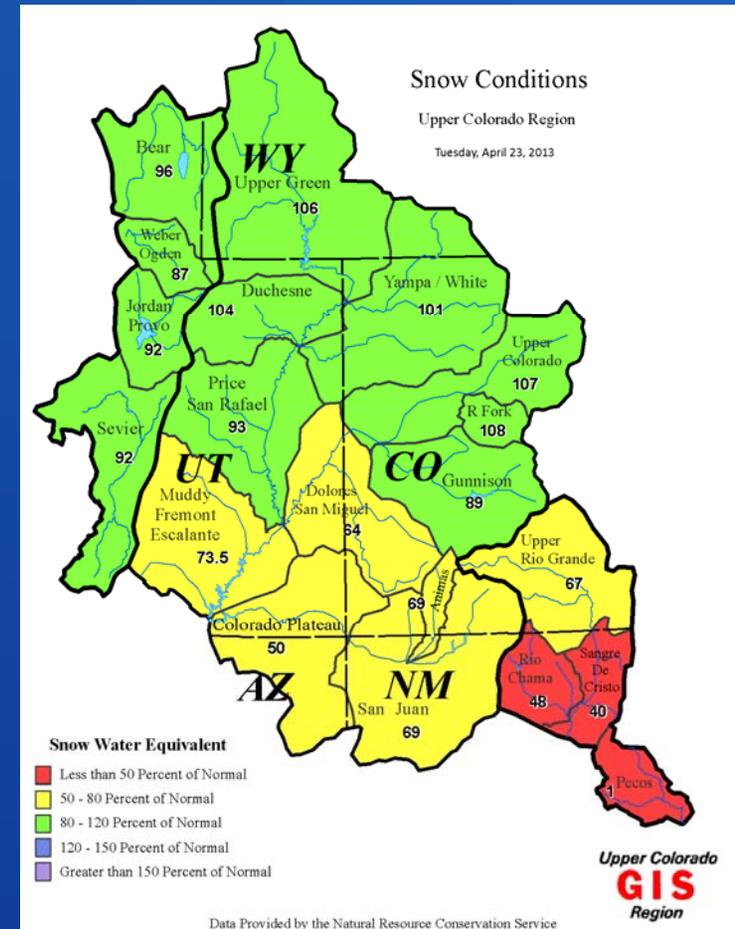
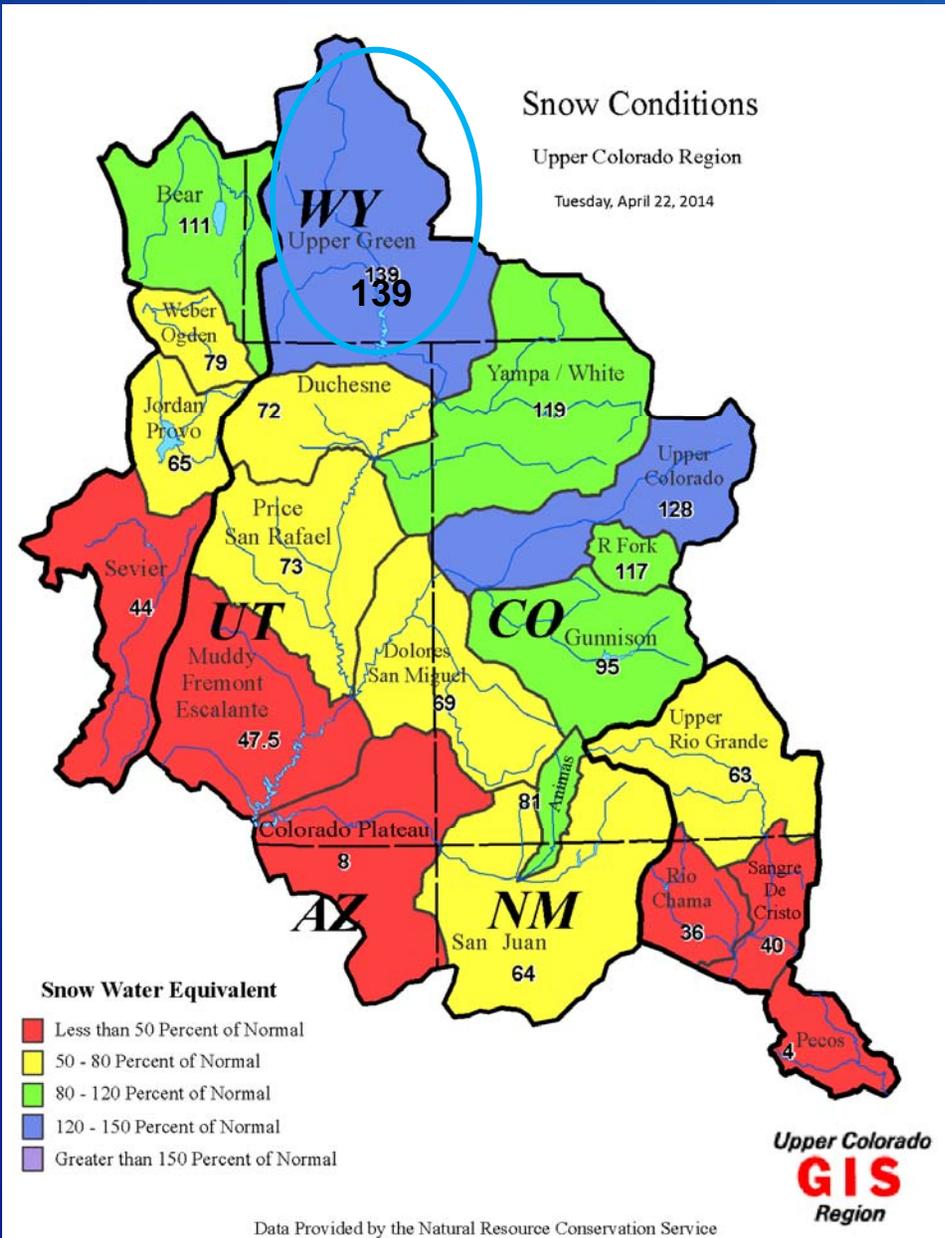
# Flaming Gorge Working Group

Flaming Gorge Unregulated Inflow  
Water Year 2012 and 2013



RECLAMATION

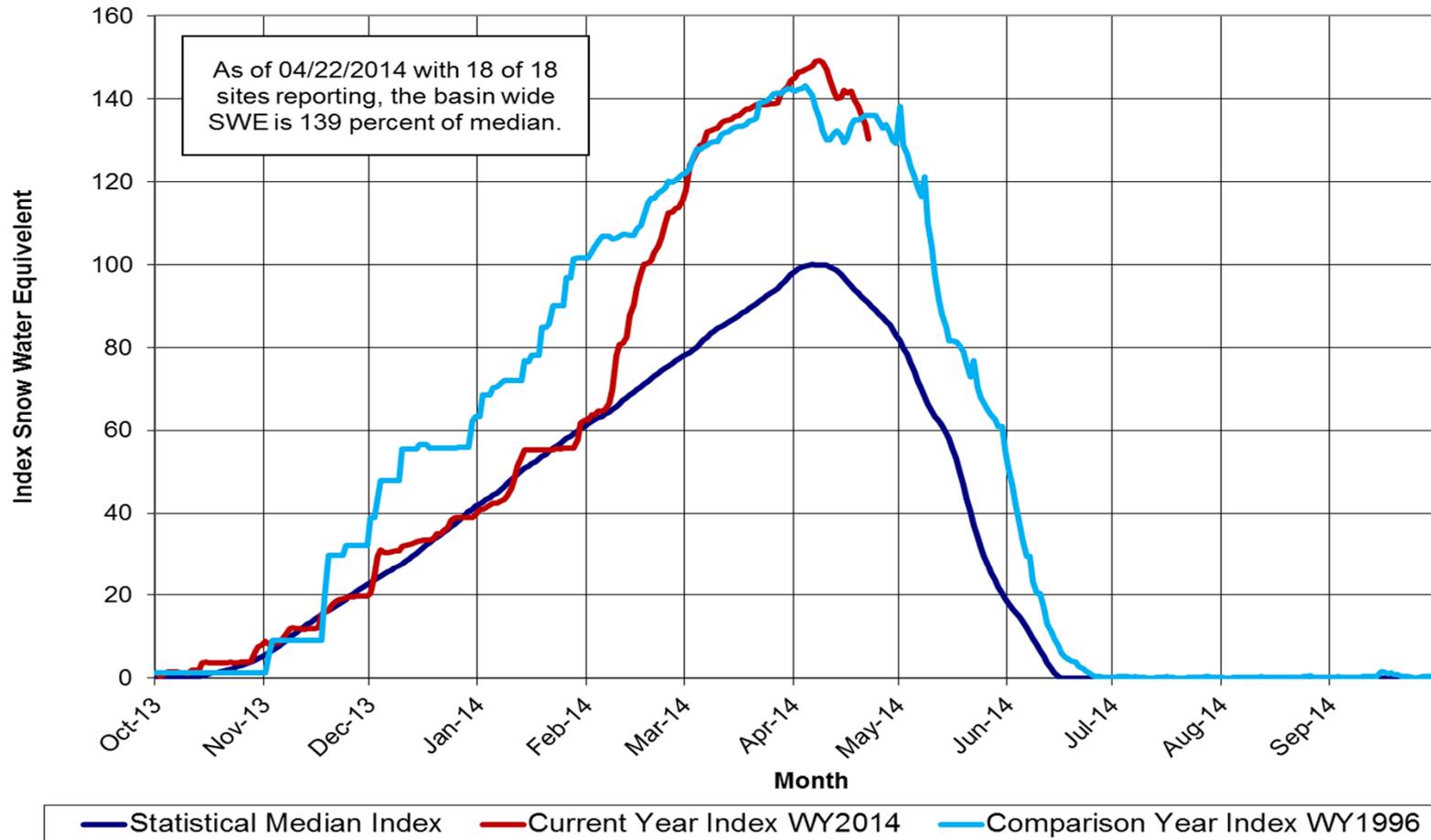
# Snow Water Equivalent (SWE) Current Conditions



# RECLAMATION

# Flaming Gorge Working Group

**Upper Green River Basin Snotel Tracking**  
Aggregate of 18 Snotel Sites above Flaming Gorge Reservoir

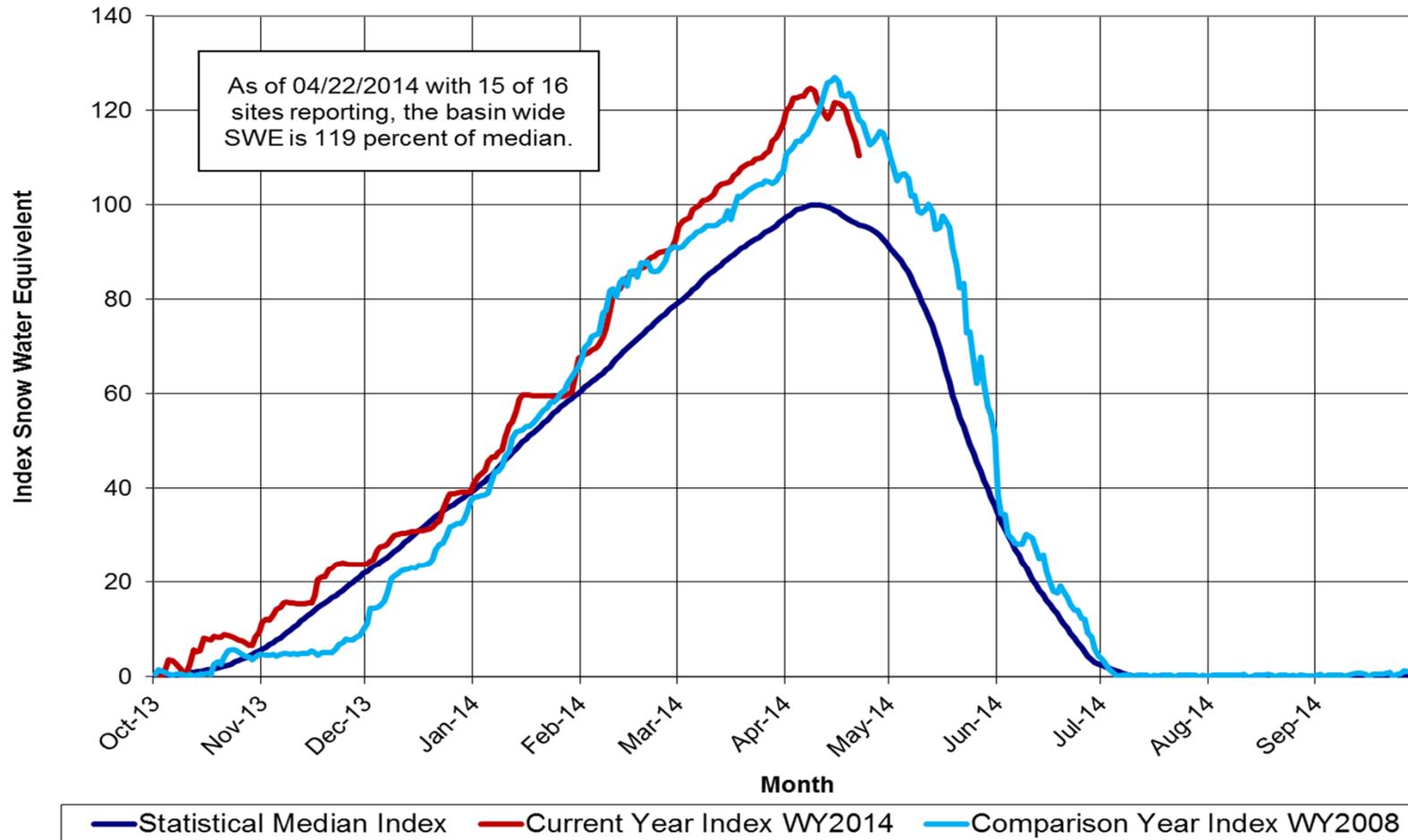


Data Provided by the Natural Resource Conservation Service

# RECLAMATION

# Flaming Gorge Working Group

**Upper Yampa River Basin Snotel Tracking**  
Aggregate of 16 Snotel Sites above Green River Confluence



Data Provided by the Natural Resource Conservation Service

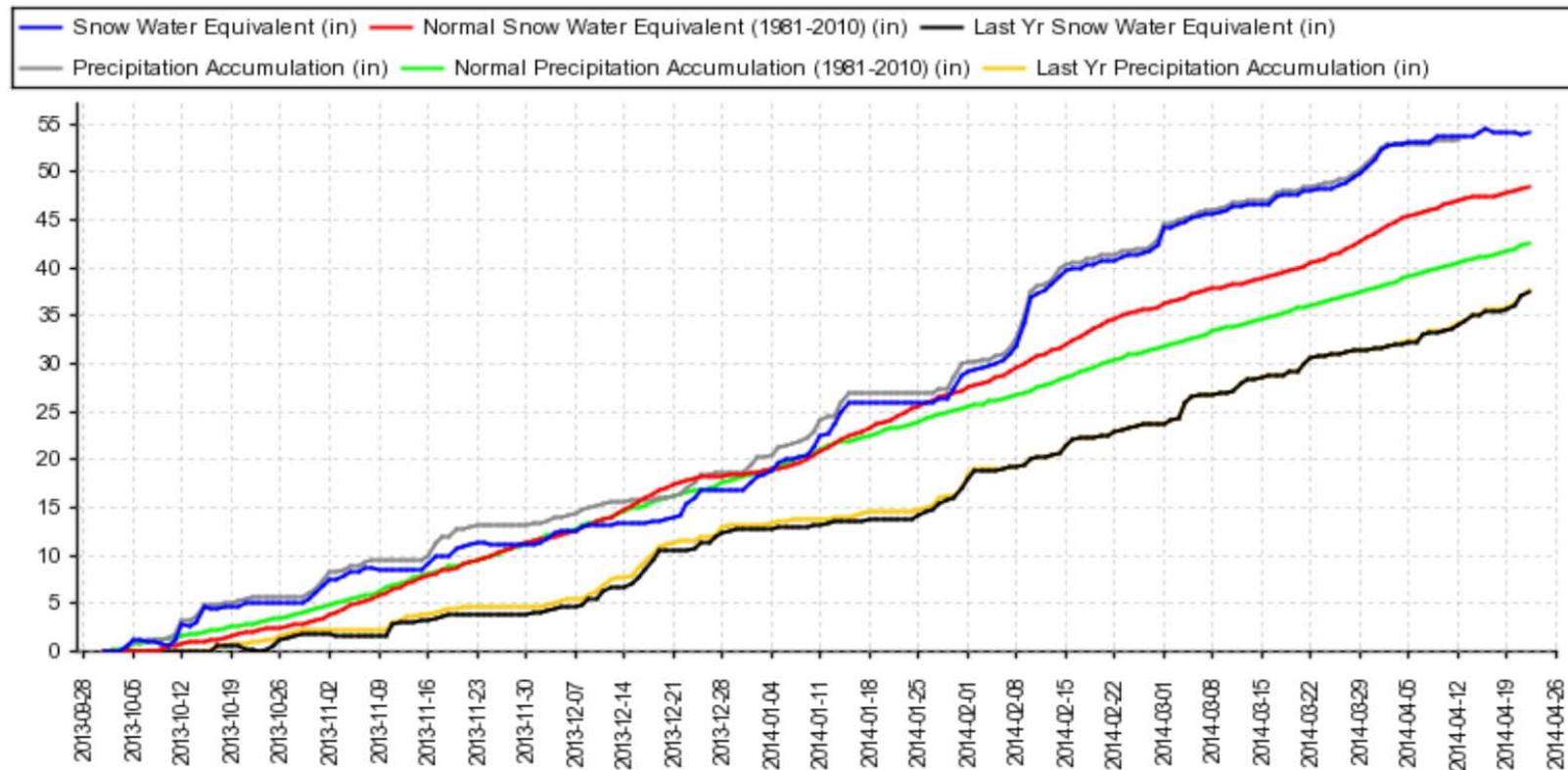
# RECLAMATION

# Flaming Gorge Working Group

## Colorado Site - Tower (825)

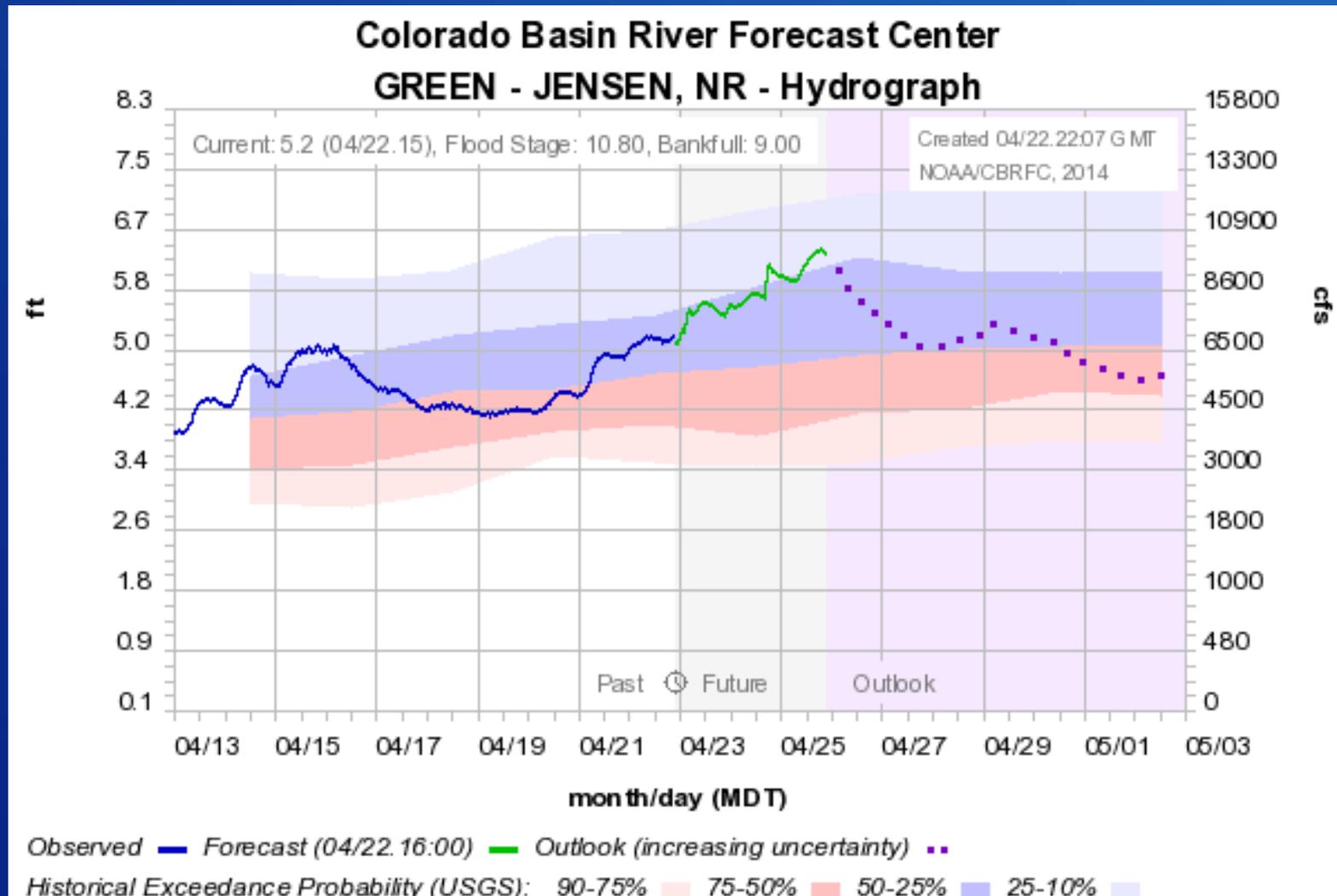
(As of: Tue Apr 22 15:12:48 PDT 2014)

\*\*Provisional data, subject to revision\*\*



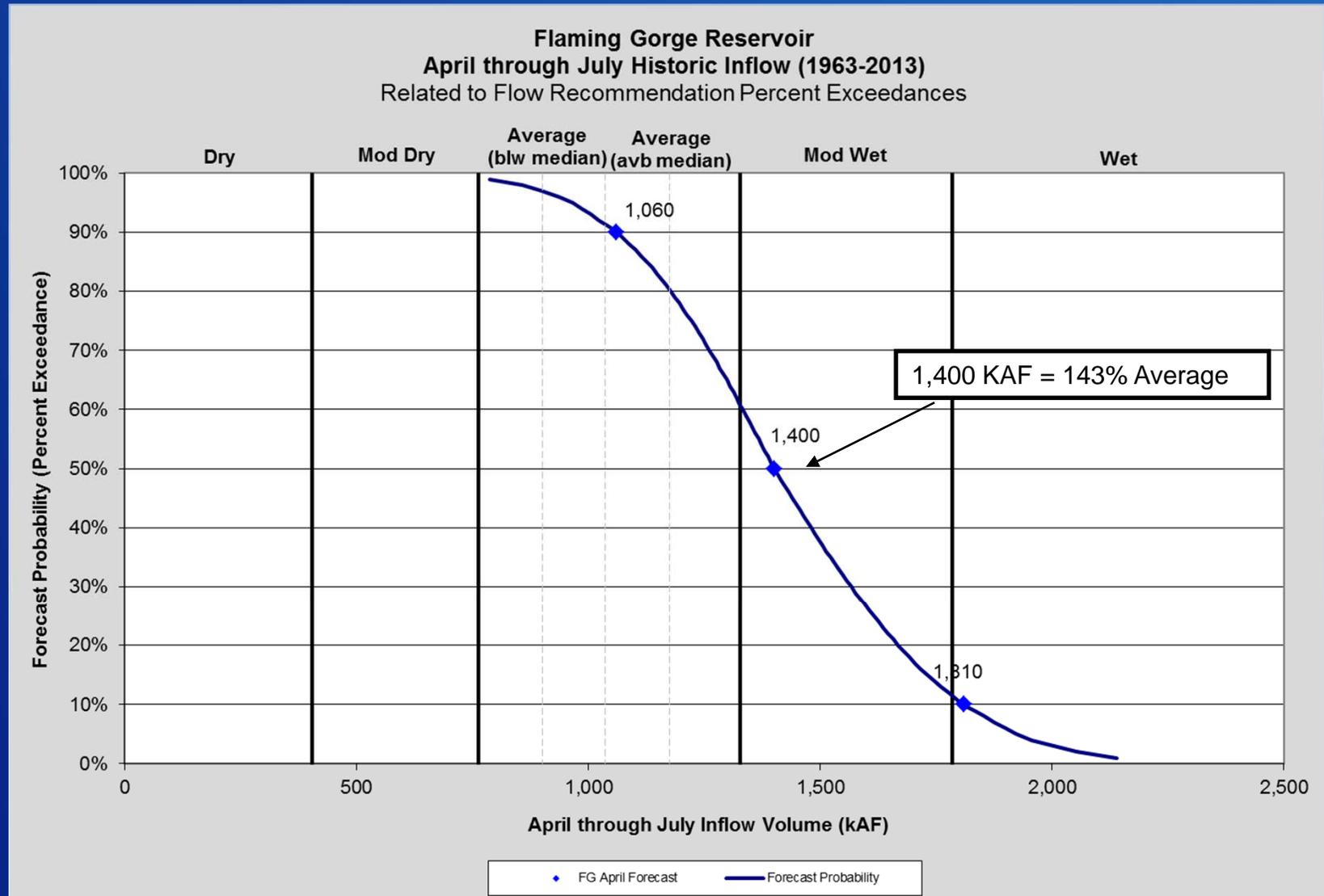
RECLAMATION

# Flaming Gorge Working Group



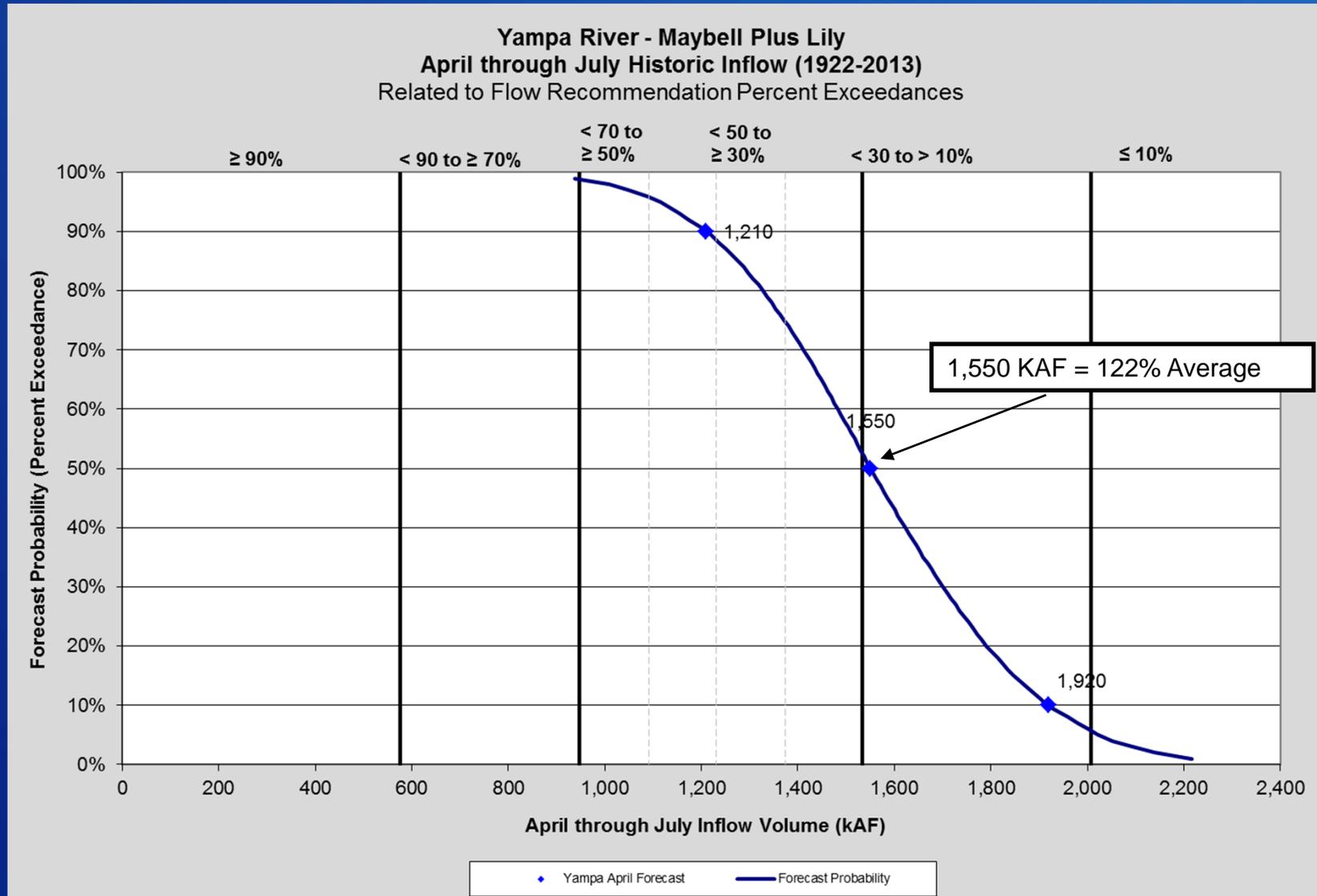
RECLAMATION

# Flaming Gorge Working Group



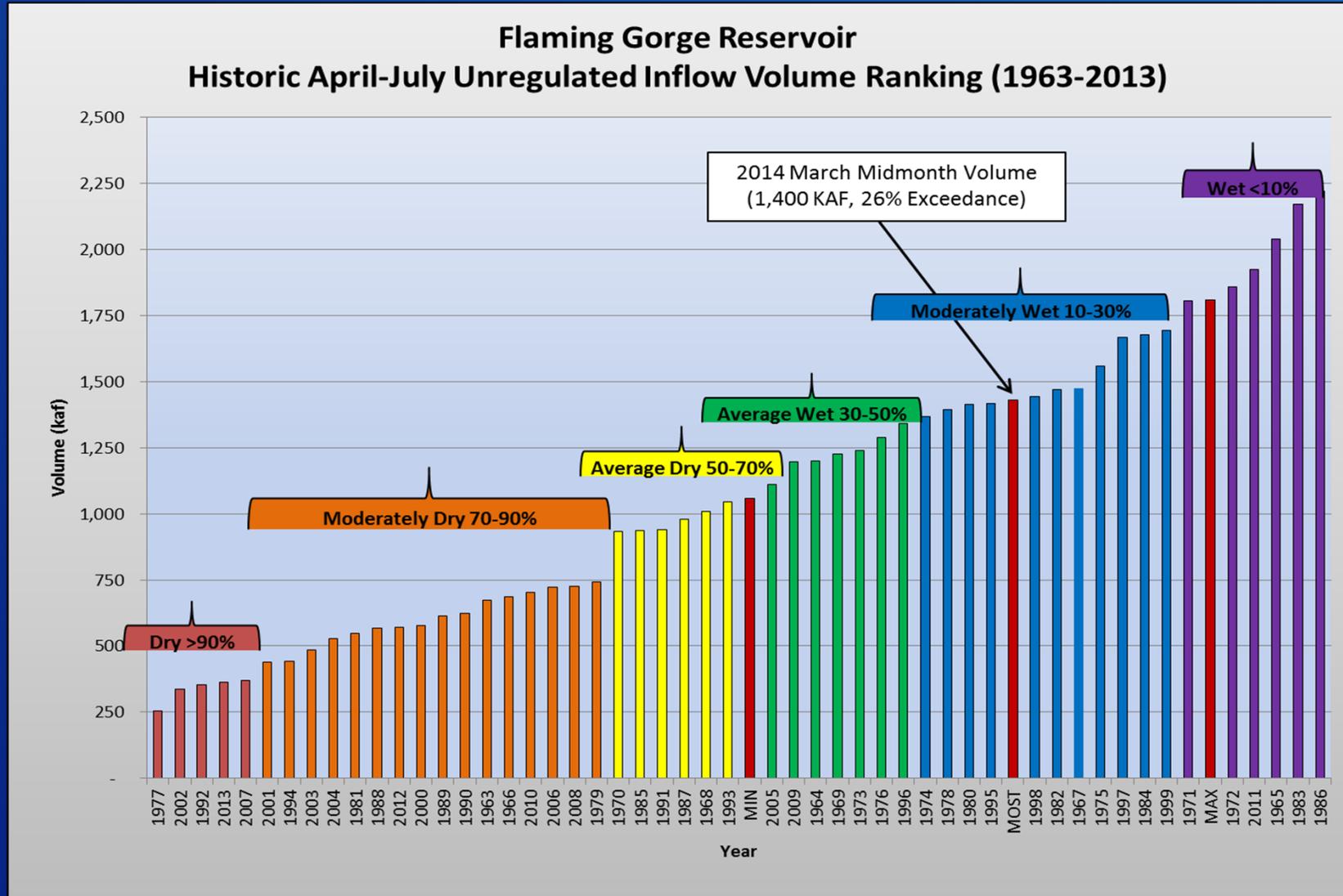
RECLAMATION

# Flaming Gorge Working Group



RECLAMATION

# Flaming Gorge Working Group

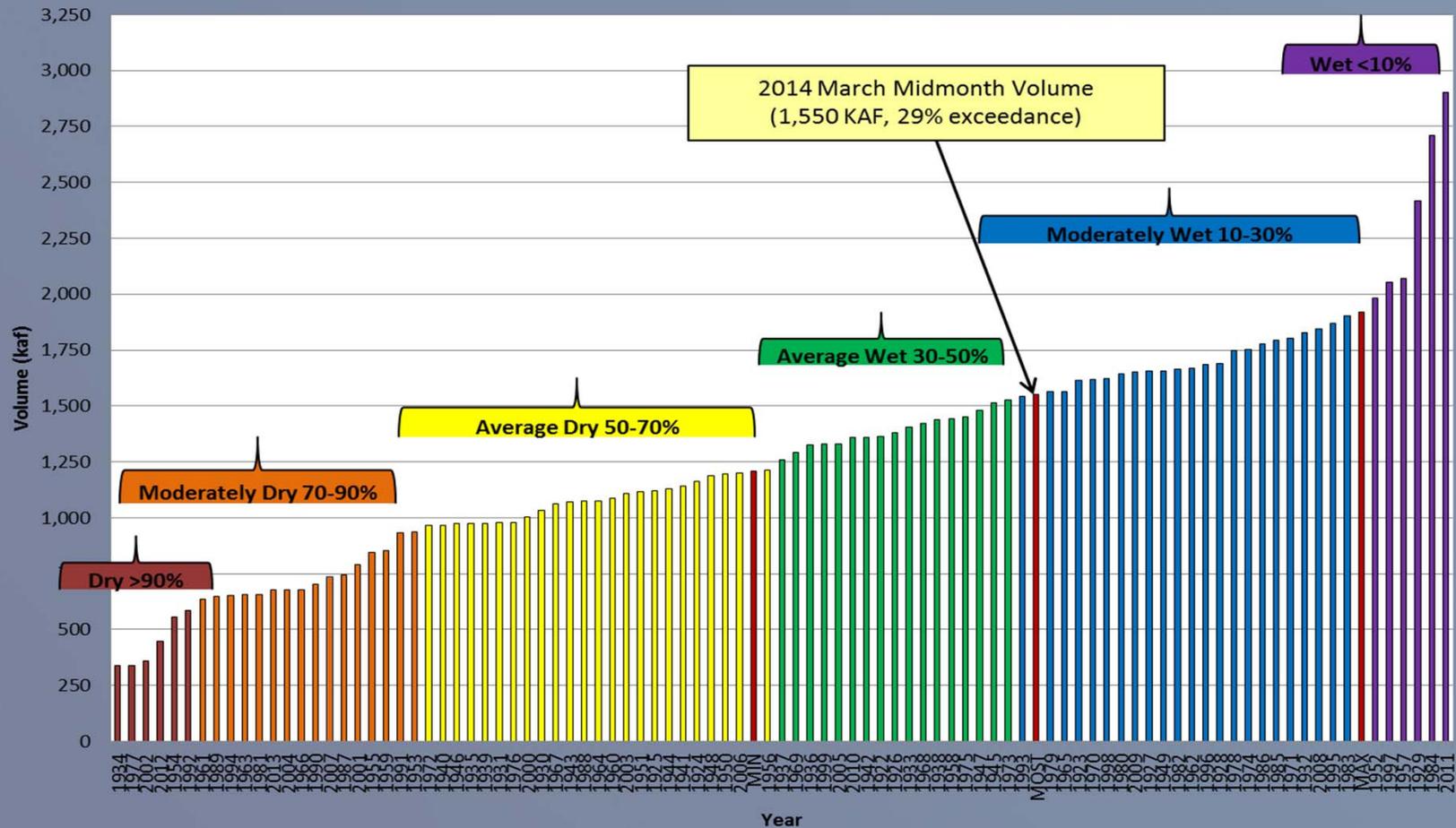


RECLAMATION

# Flaming Gorge Working Group

## Yampa River Basin - Maybell Plus Lily

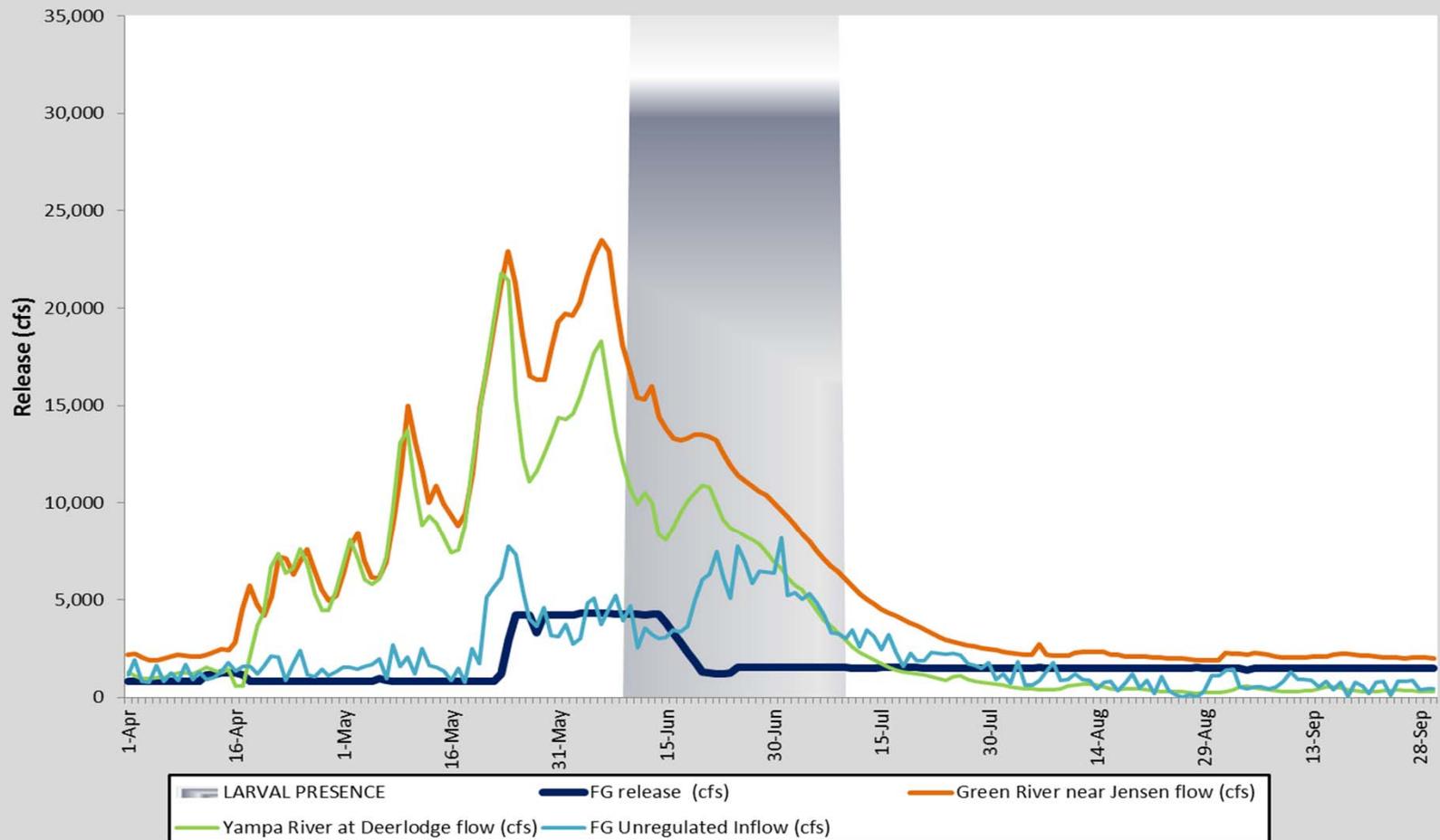
Historic April-July Unregulated Inflow Volume Ranking (1922-2013)



RECLAMATION

# Flaming Gorge Working Group

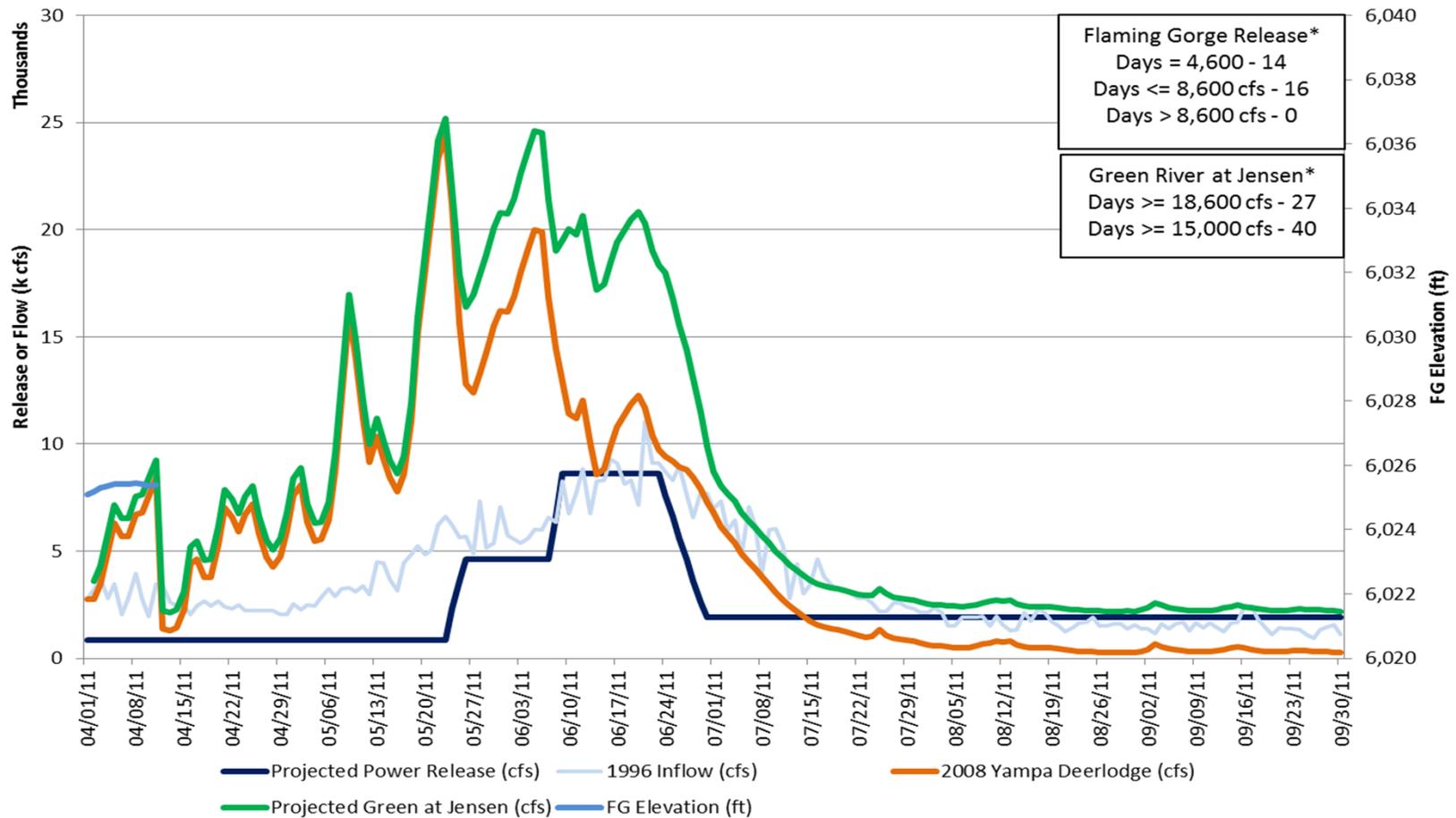
FG Release and Green River Flows  
April-July 2008



RECLAMATION

# Flaming Gorge Working Group

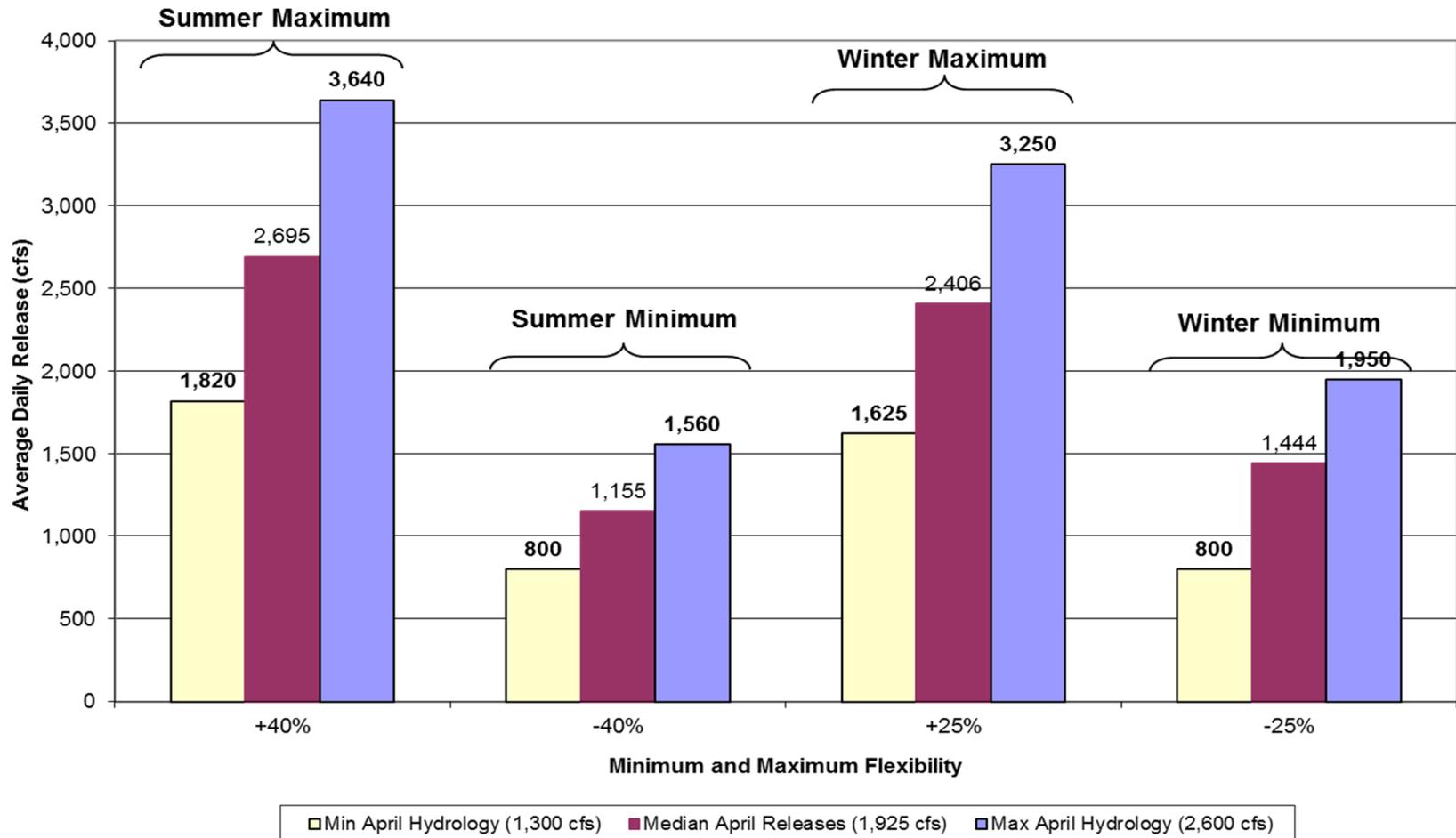
Flaming Gorge Operations April 2014 Operations  
 Mixed Hydrographs  
 FG Unreg 1,342 KAF (1996) - Yampa Flow 1,846 KAF (2008)



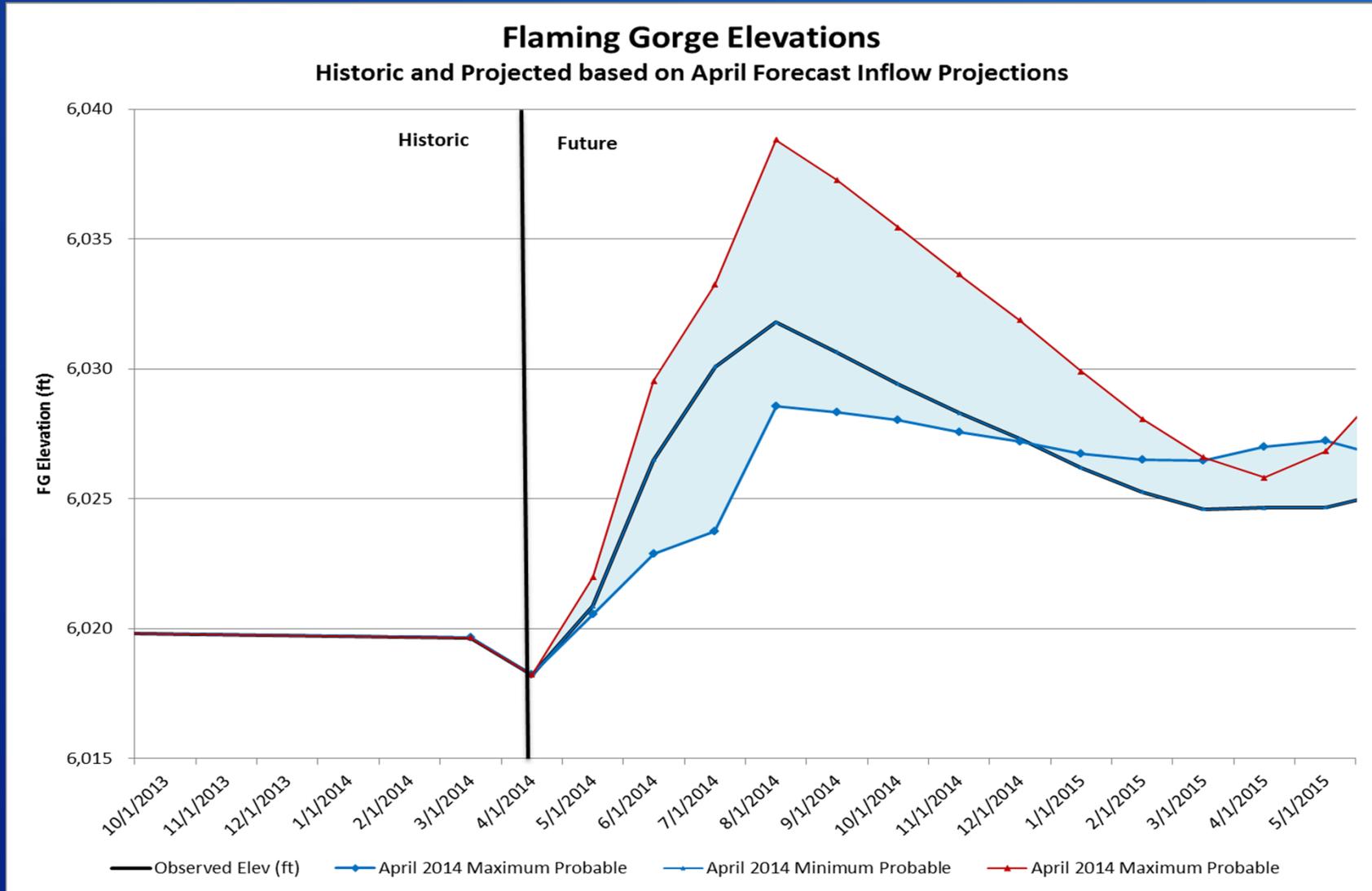
\*This is a projection based on historic hydrographs. Actual days of flows in 2014 are unknown.

# Flaming Gorge Working Group

Base Flow Uncertainty in April 2014 Forecast  
Flexibility in Average Daily Base Flows during Summer and Winter



# Flaming Gorge Working Group



RECLAMATION

# Flaming Gorge Working Group

## April 2014

- Questions?
- Heather Patno
- [hpatno@usbr.gov](mailto:hpatno@usbr.gov)
- (801) 524-3883



RECLAMATION