

RECLAMATION

Managing Water in the West

Flaming Gorge Working Group Meeting

Hydrology and Forecasted Operations

April 27, 2015



U.S. Department of the Interior
Bureau of Reclamation

Flaming Gorge Working Group

Meeting April 2014

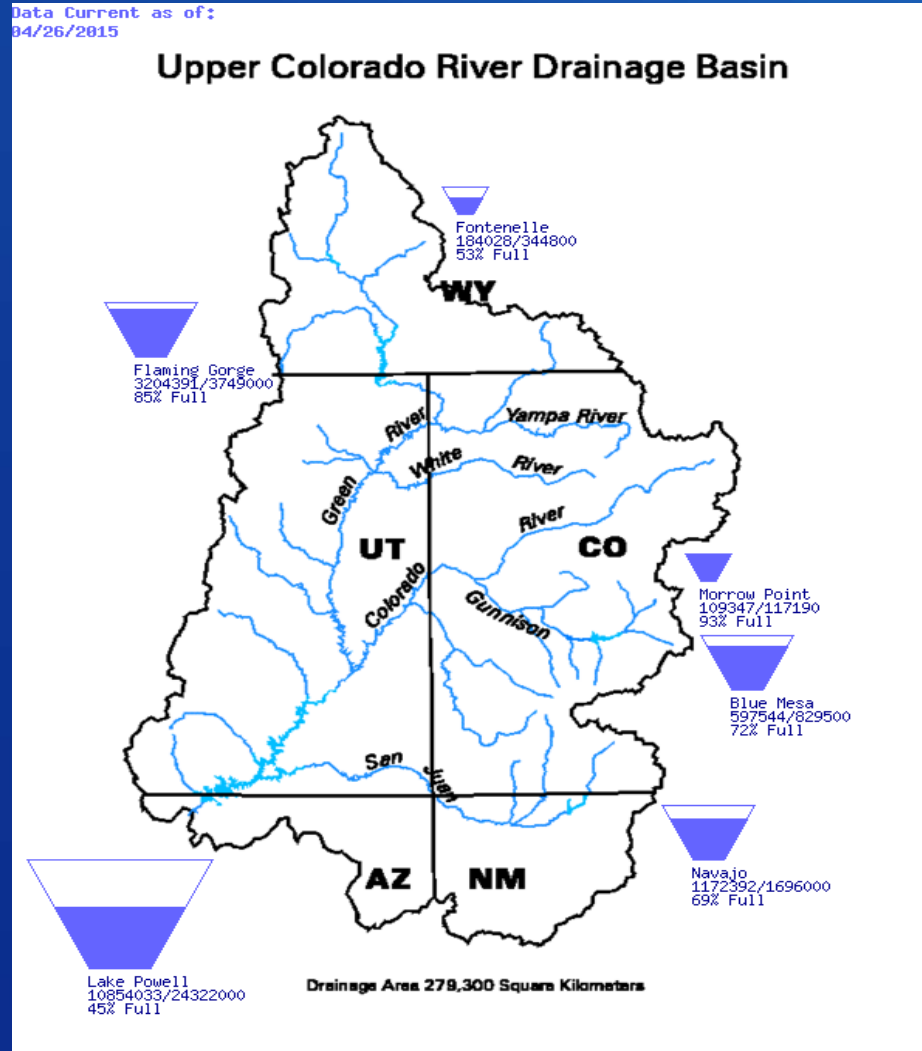
Live Capacity	3.752	MAF
<u>Capacity on 4/22/14</u>	<u>2.950</u>	<u>MAF</u>
Available Space	.802	MAF
Percentage of Full	79	%

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

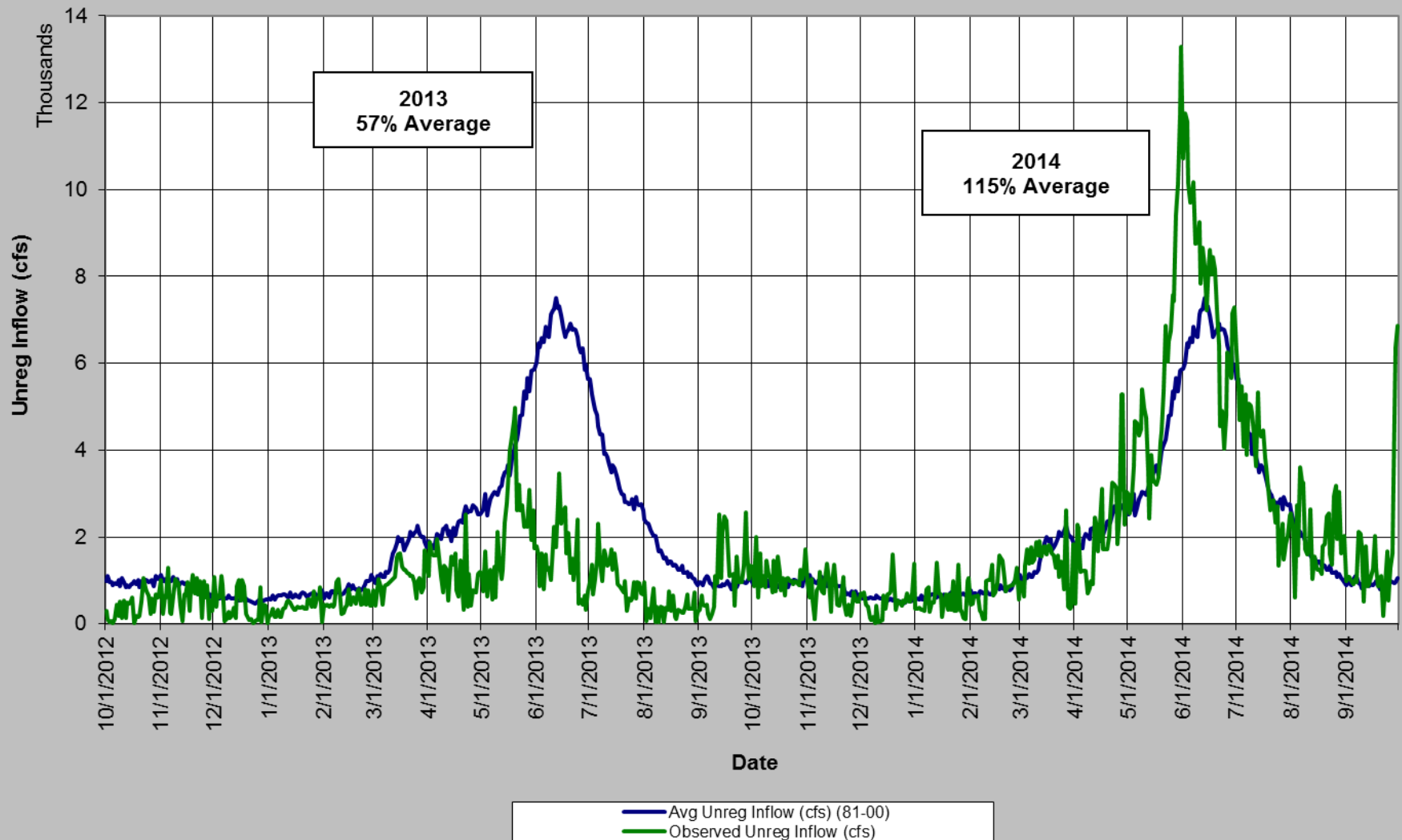
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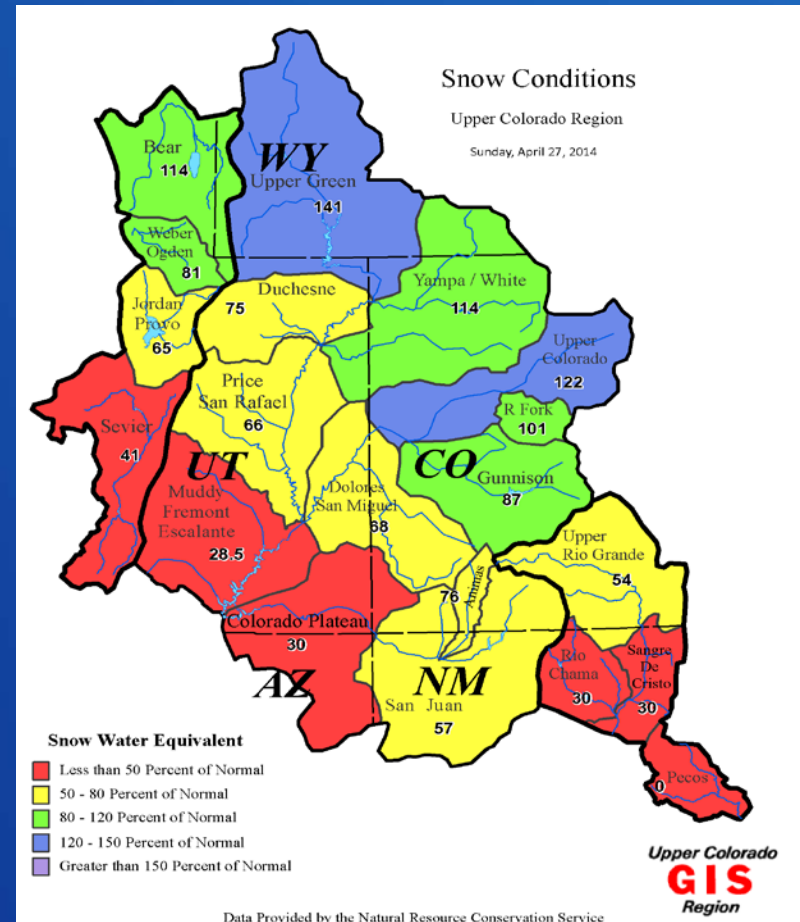
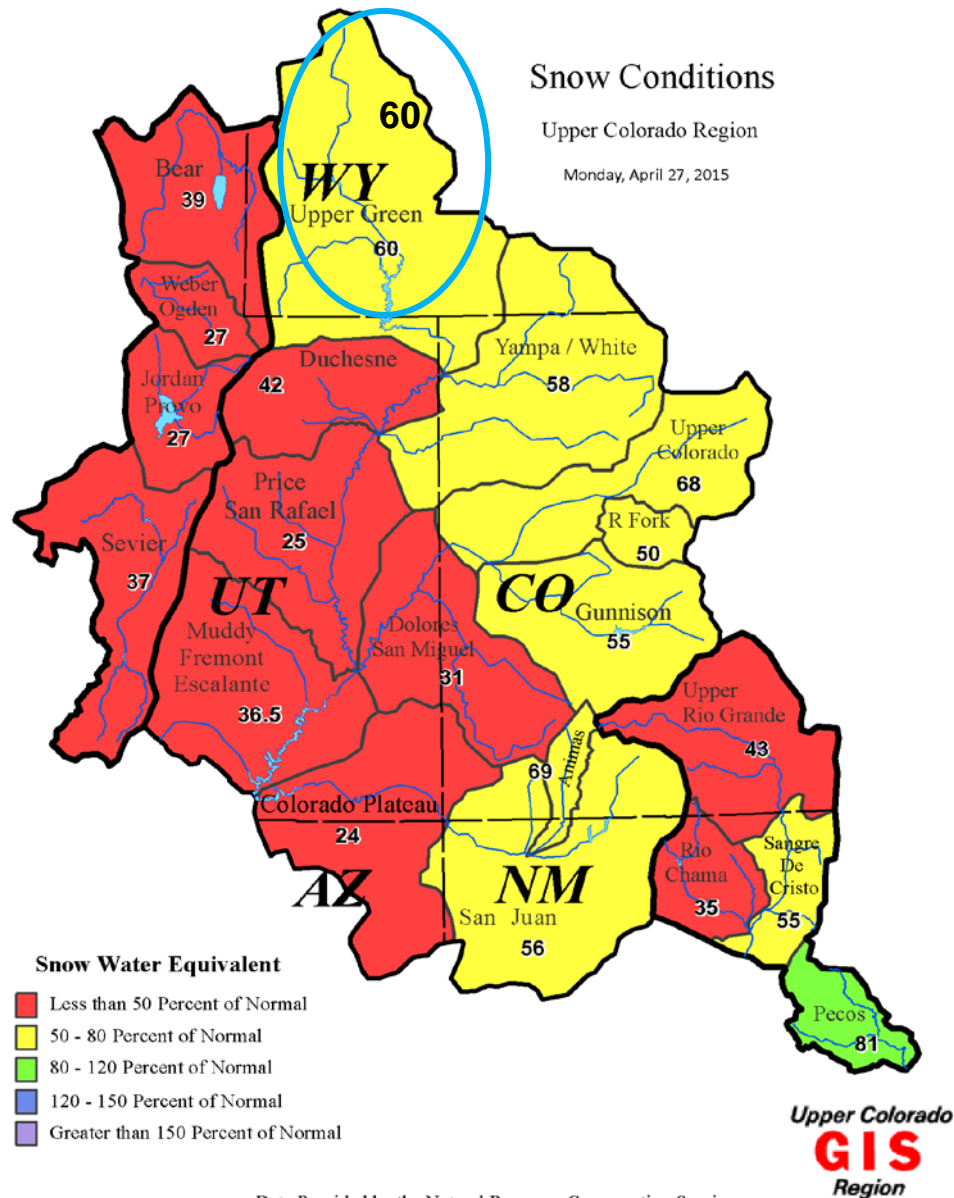
Flaming Gorge Unregulated Inflow Water Year 2013 and 2014



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Snow Water Equivalent (SWE)

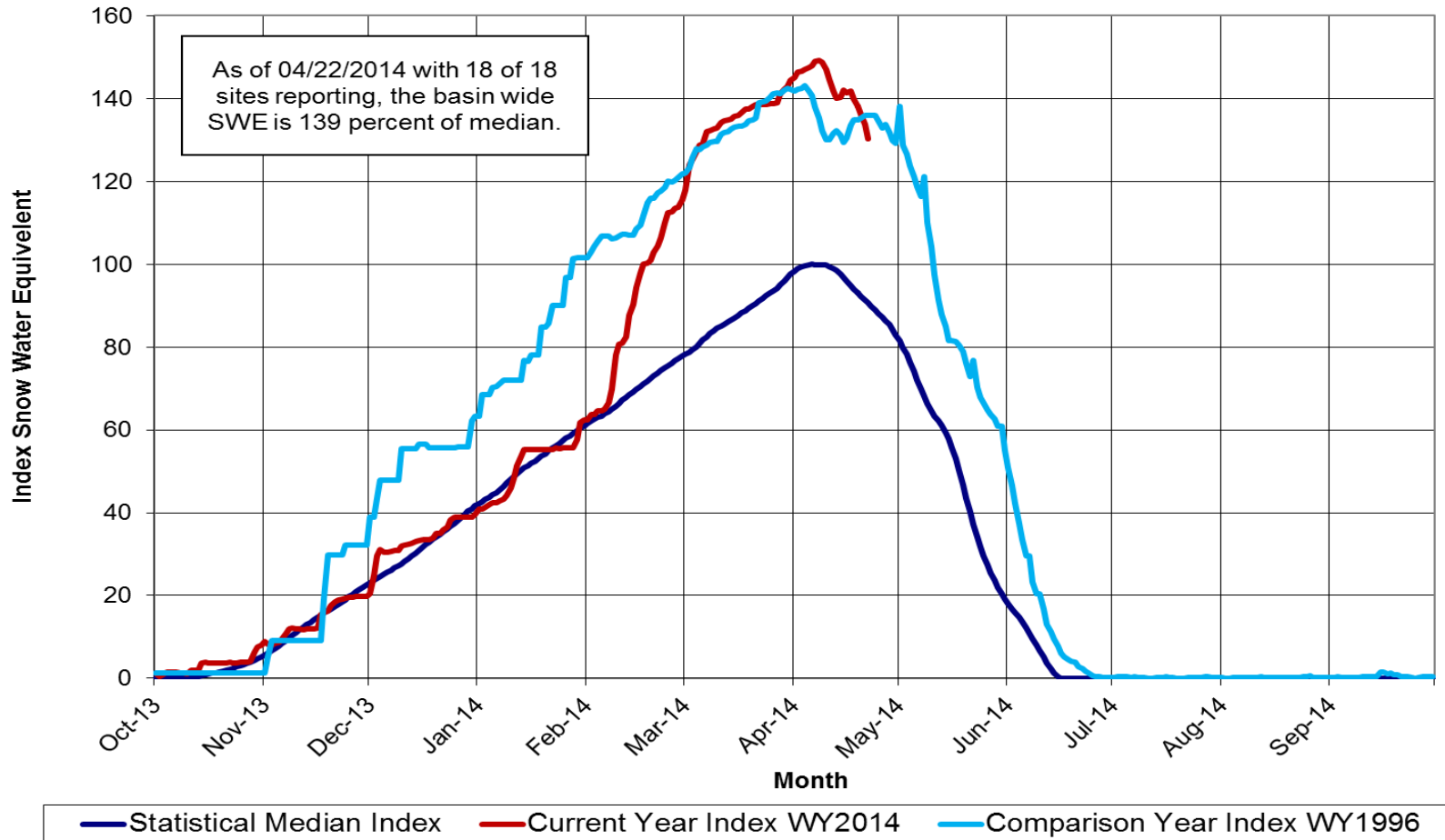
Current Conditions



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

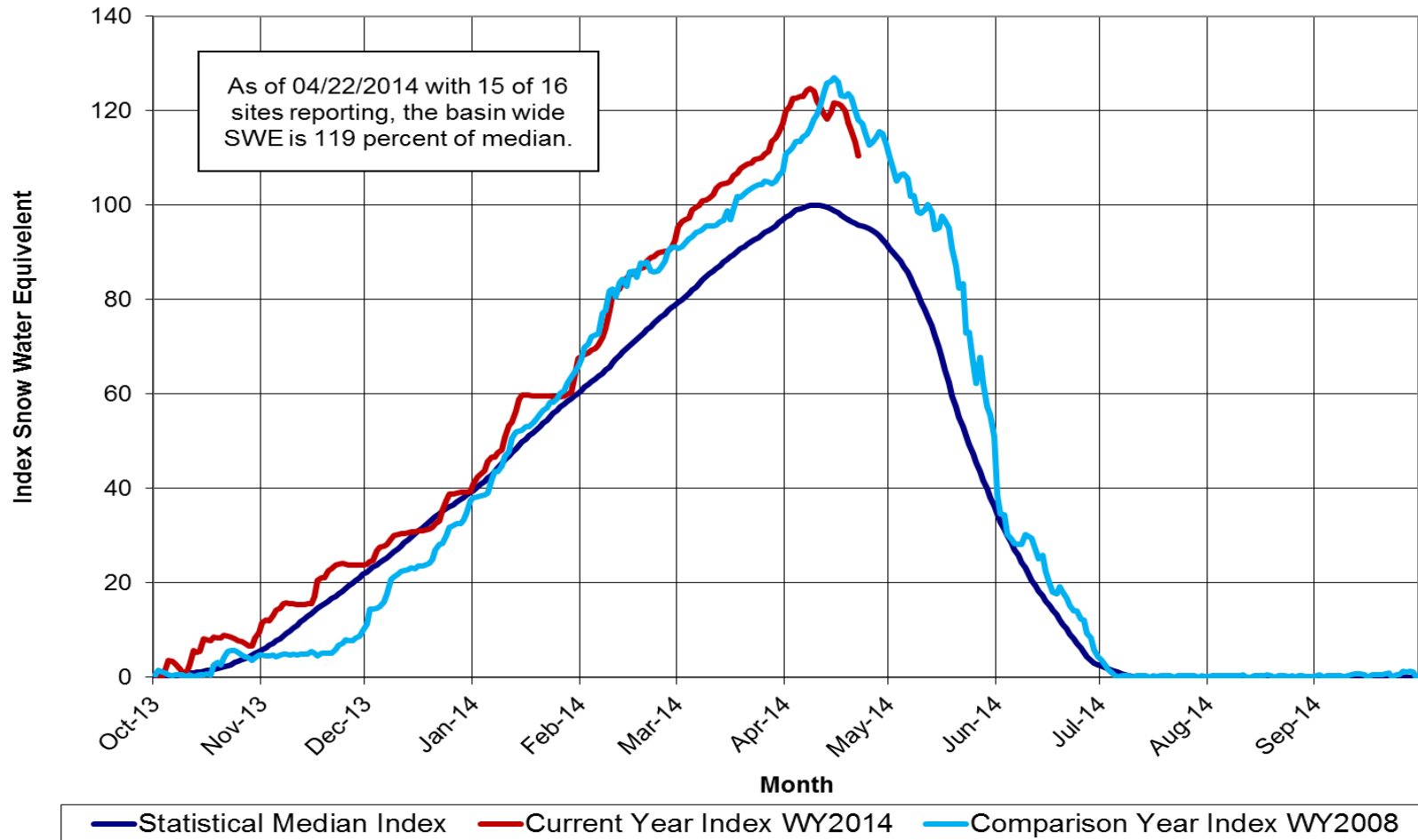


Data Provided by the Natural Resource Conservation Service

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



Data Provided by the Natural Resource Conservation Service

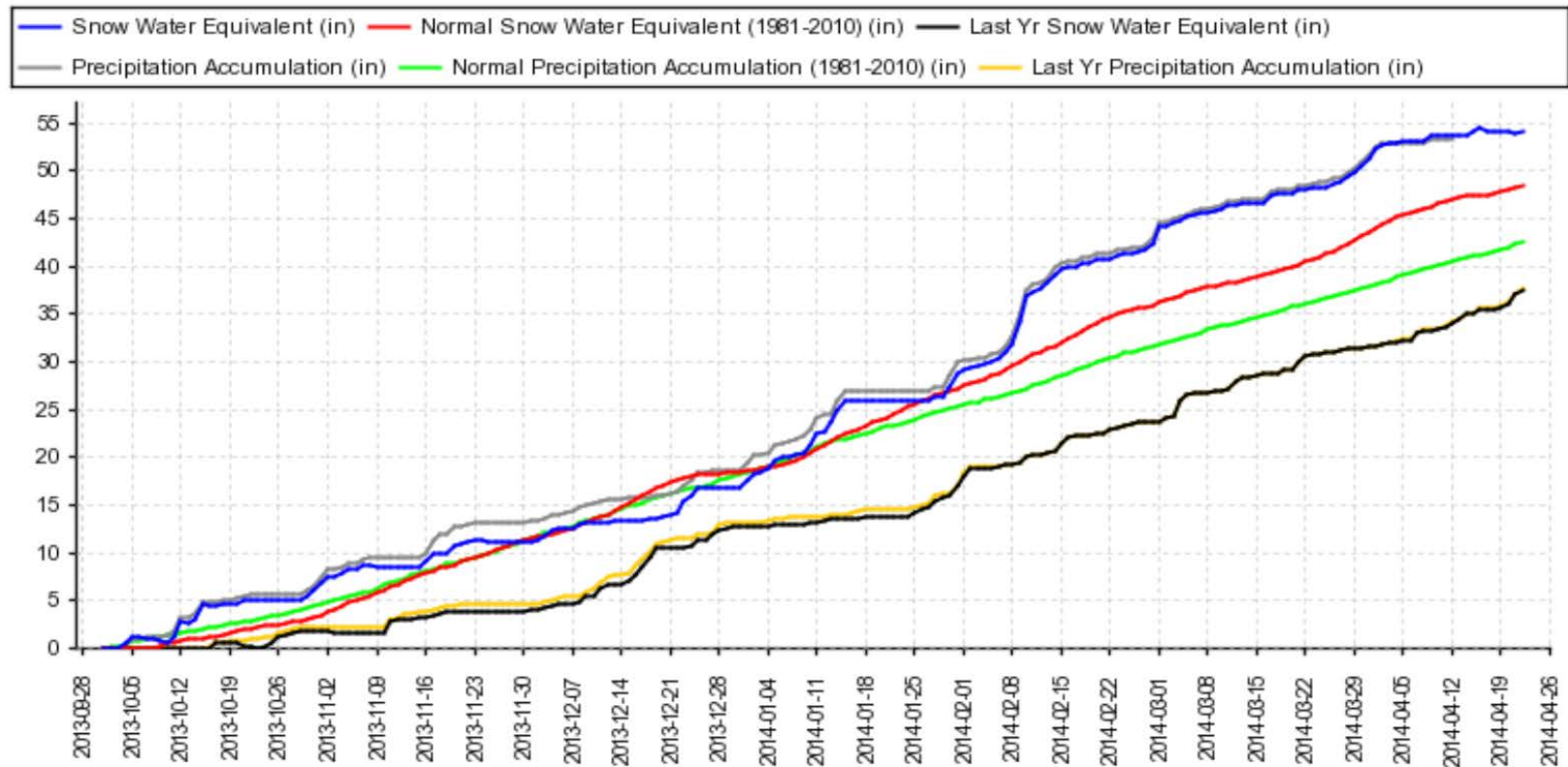
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Colorado Site - Tower (825)

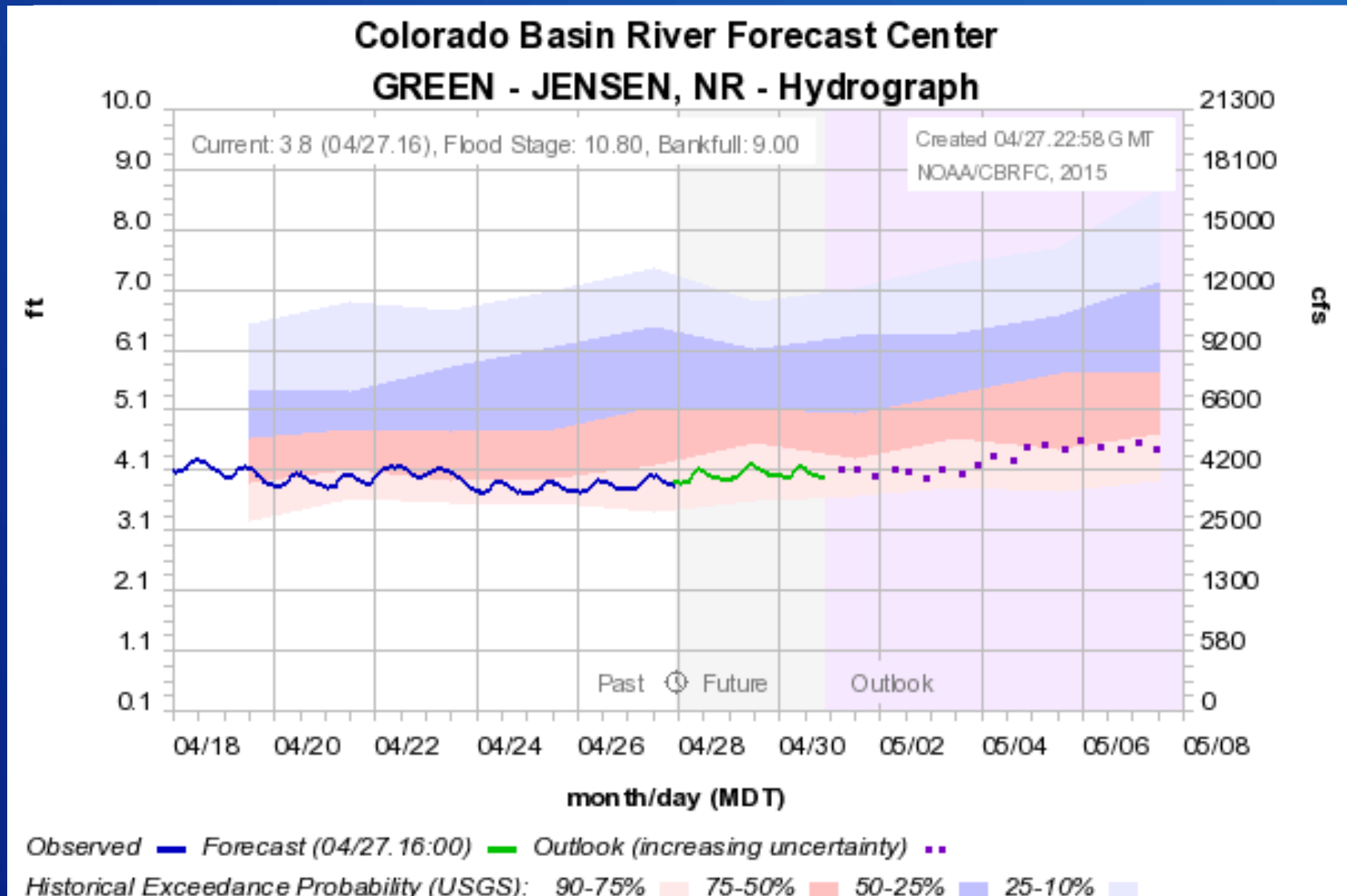
(As of: Tue Apr 22 15:12:48 PDT 2014)

Provisional data, subject to revision



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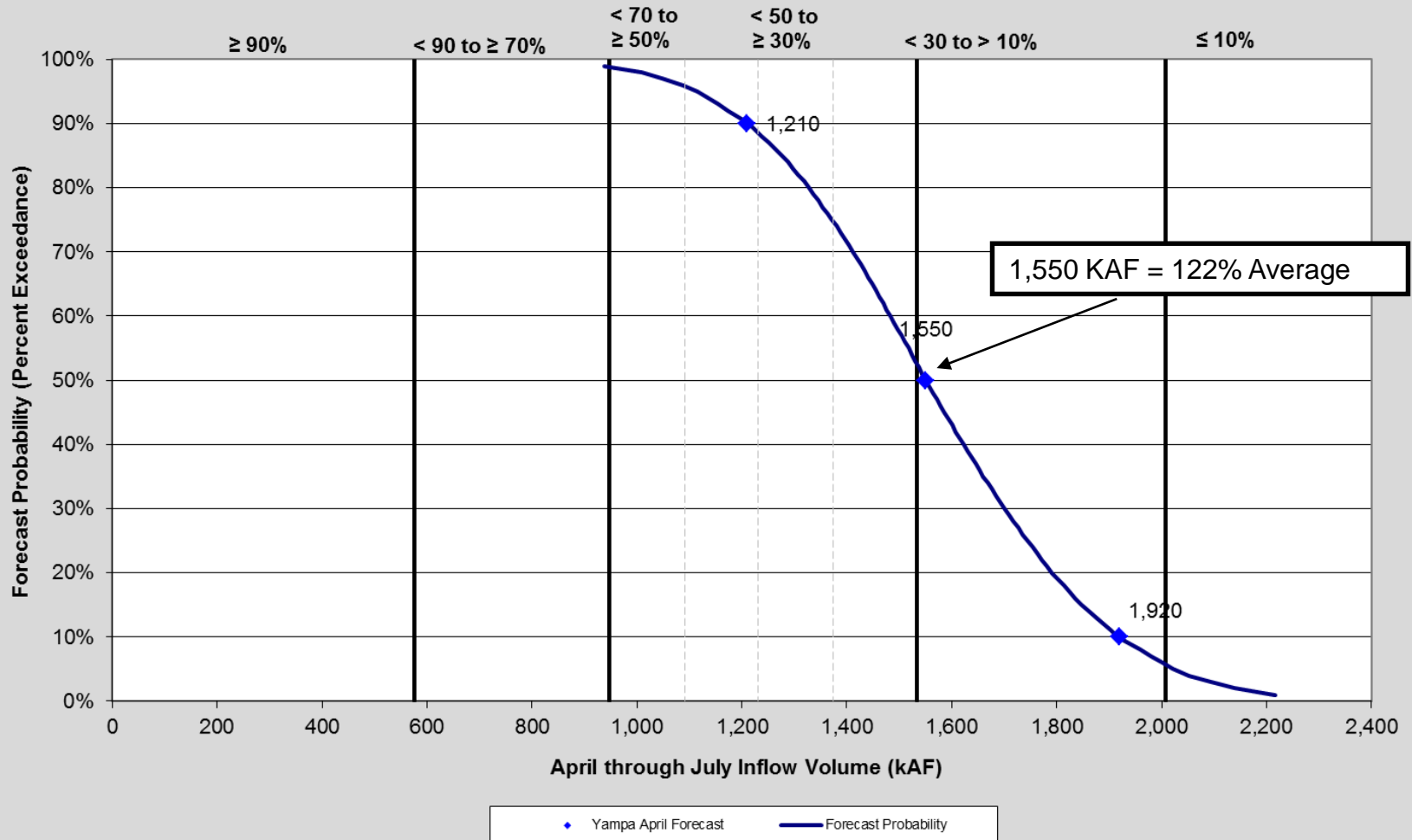
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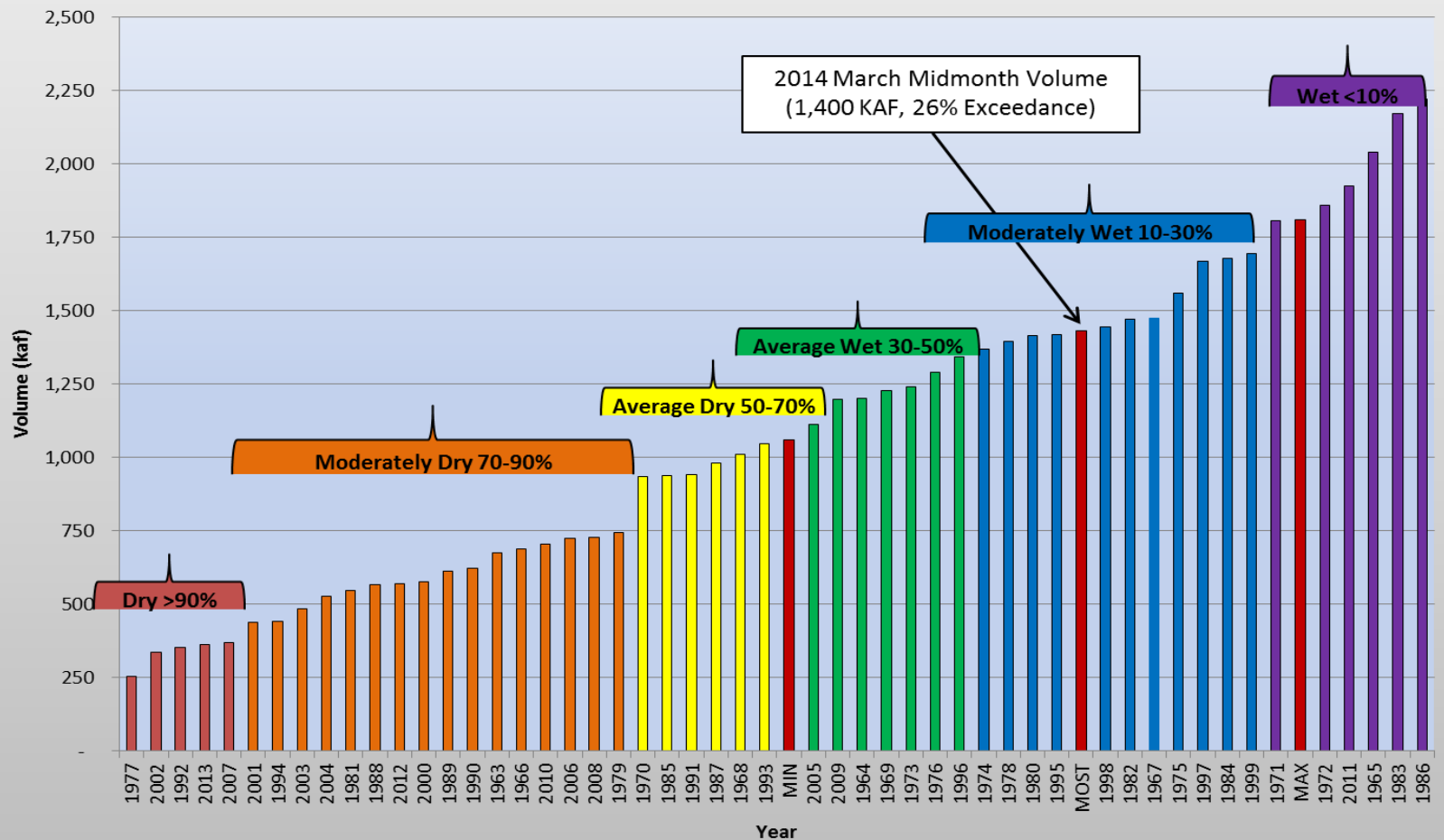
Yampa River - Maybell Plus Lily
April through July Historic Inflow (1922-2013)
Related to Flow Recommendation Percent Exceedances



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Flaming Gorge Reservoir
Historic April-July Unregulated Inflow Volume Ranking (1963-2013)

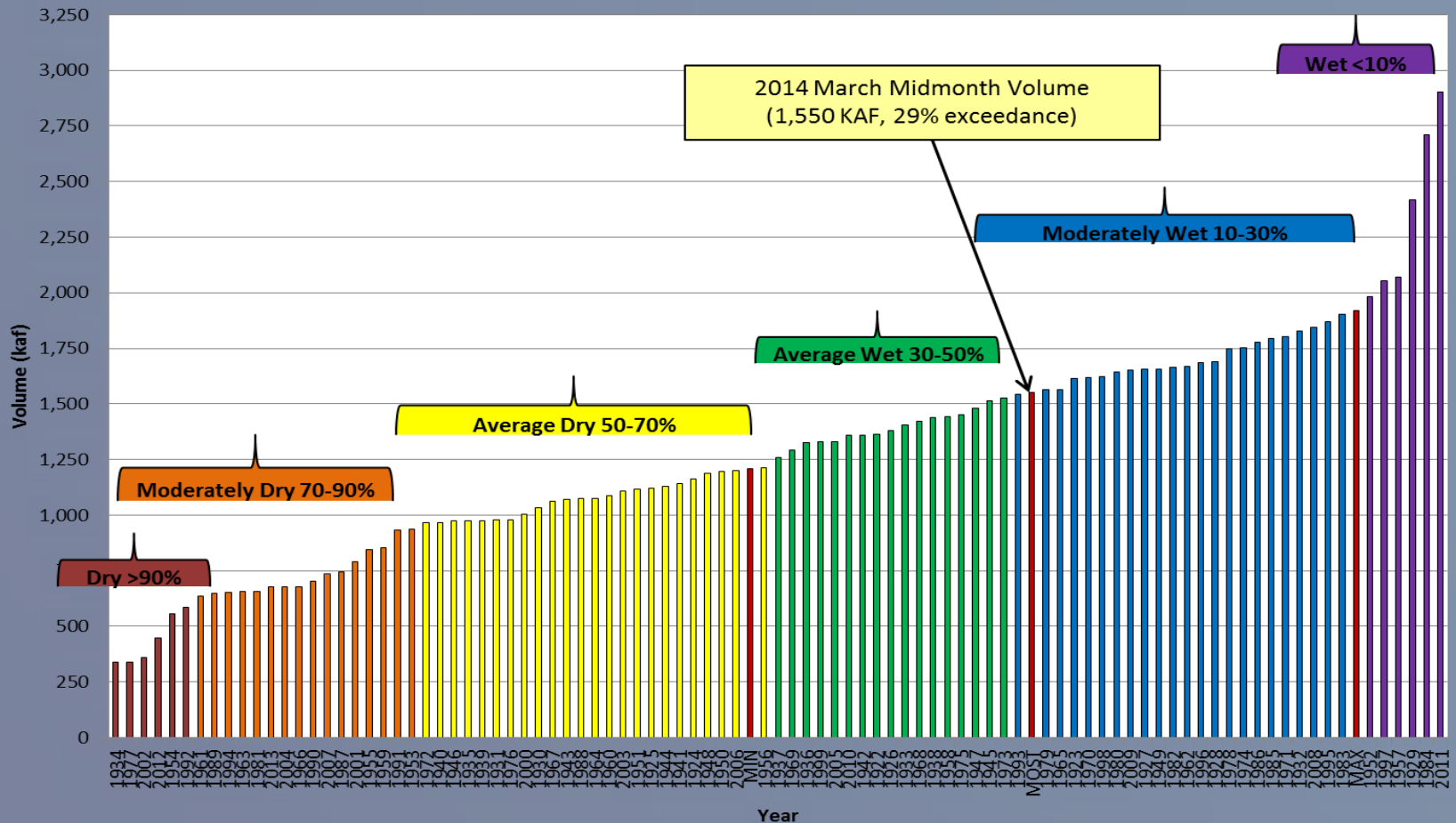


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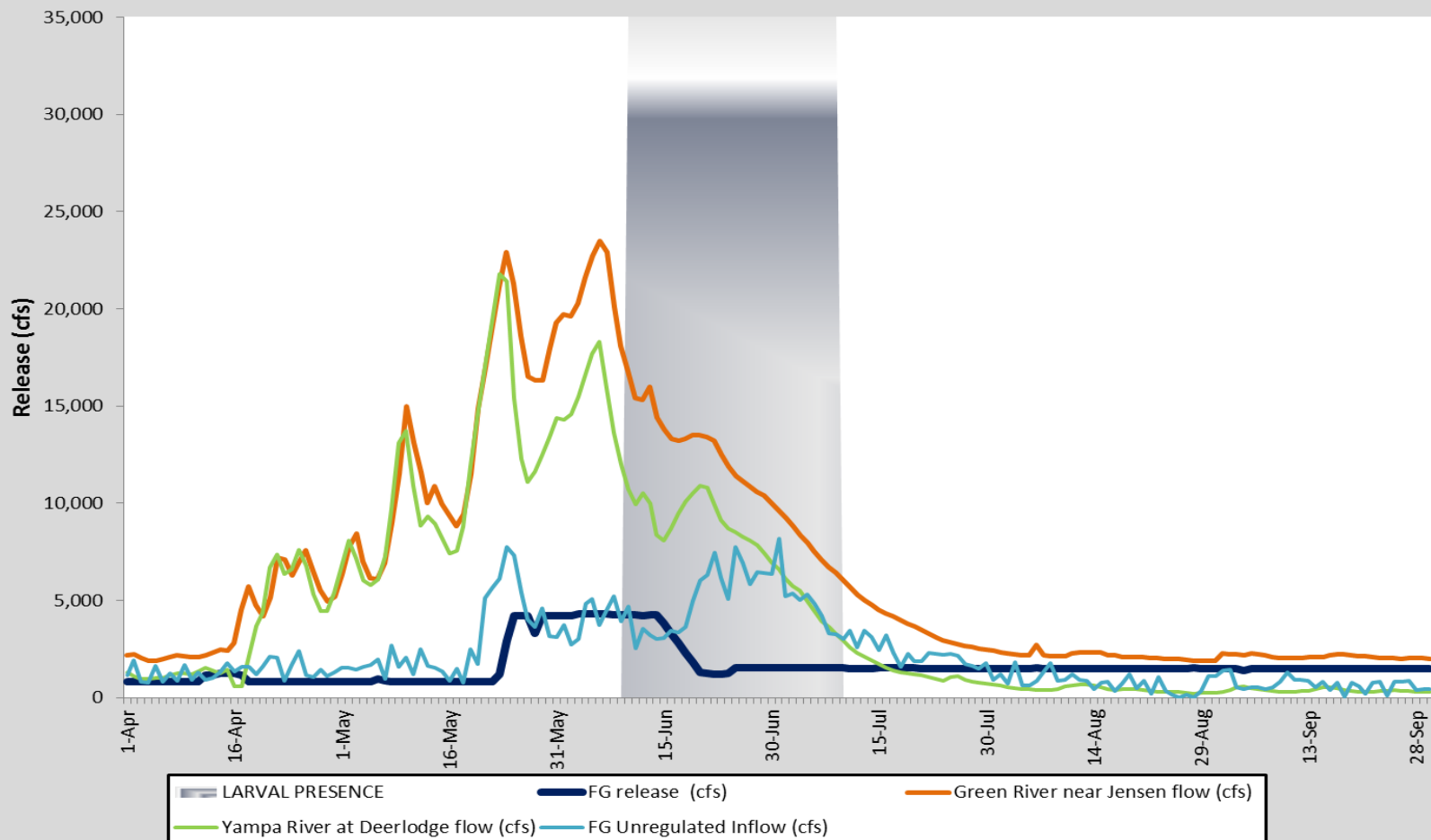
Yampa River Basin - Maybell Plus Lily

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



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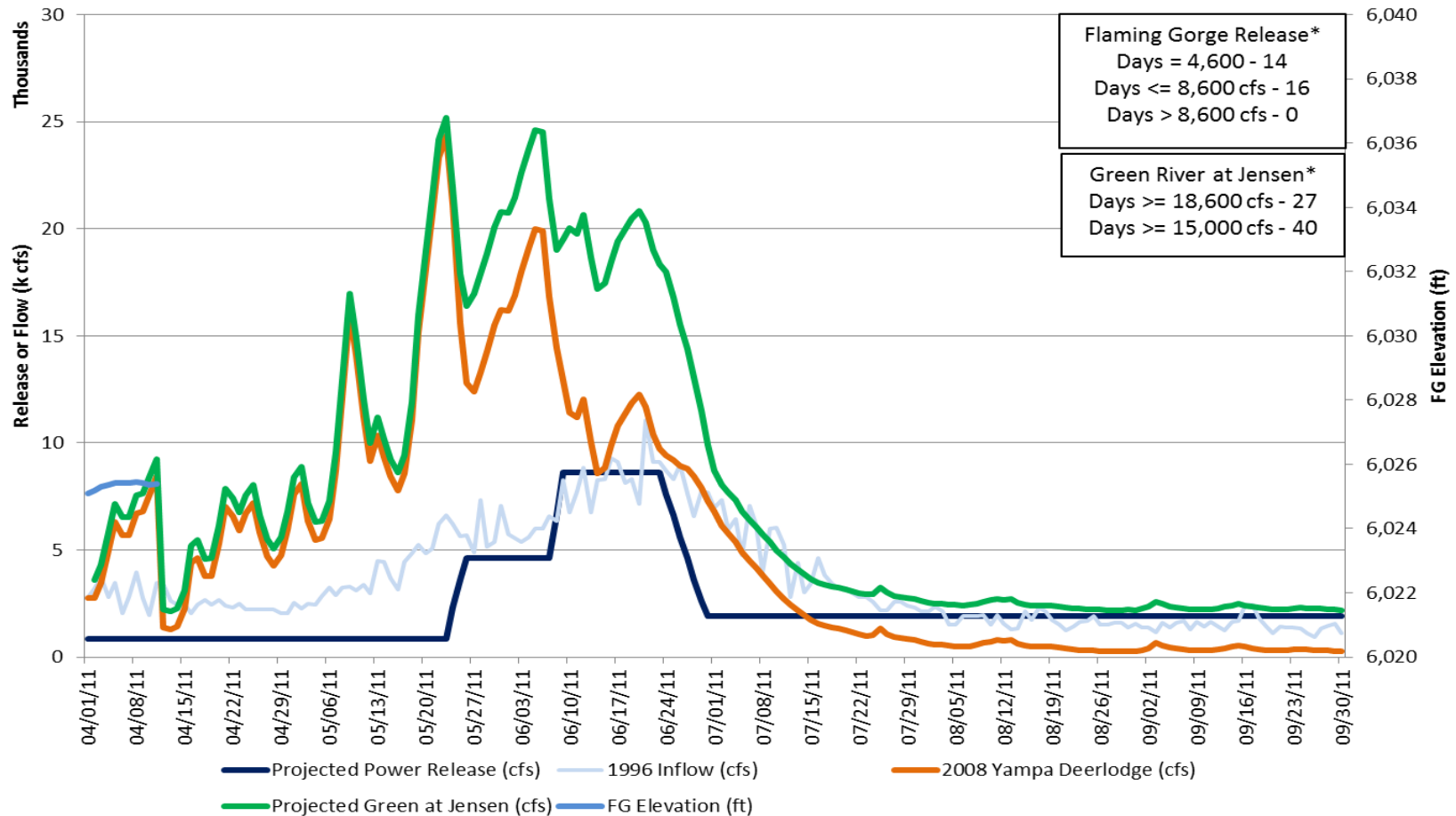
FG Release and Green River Flows
April-July 2008



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

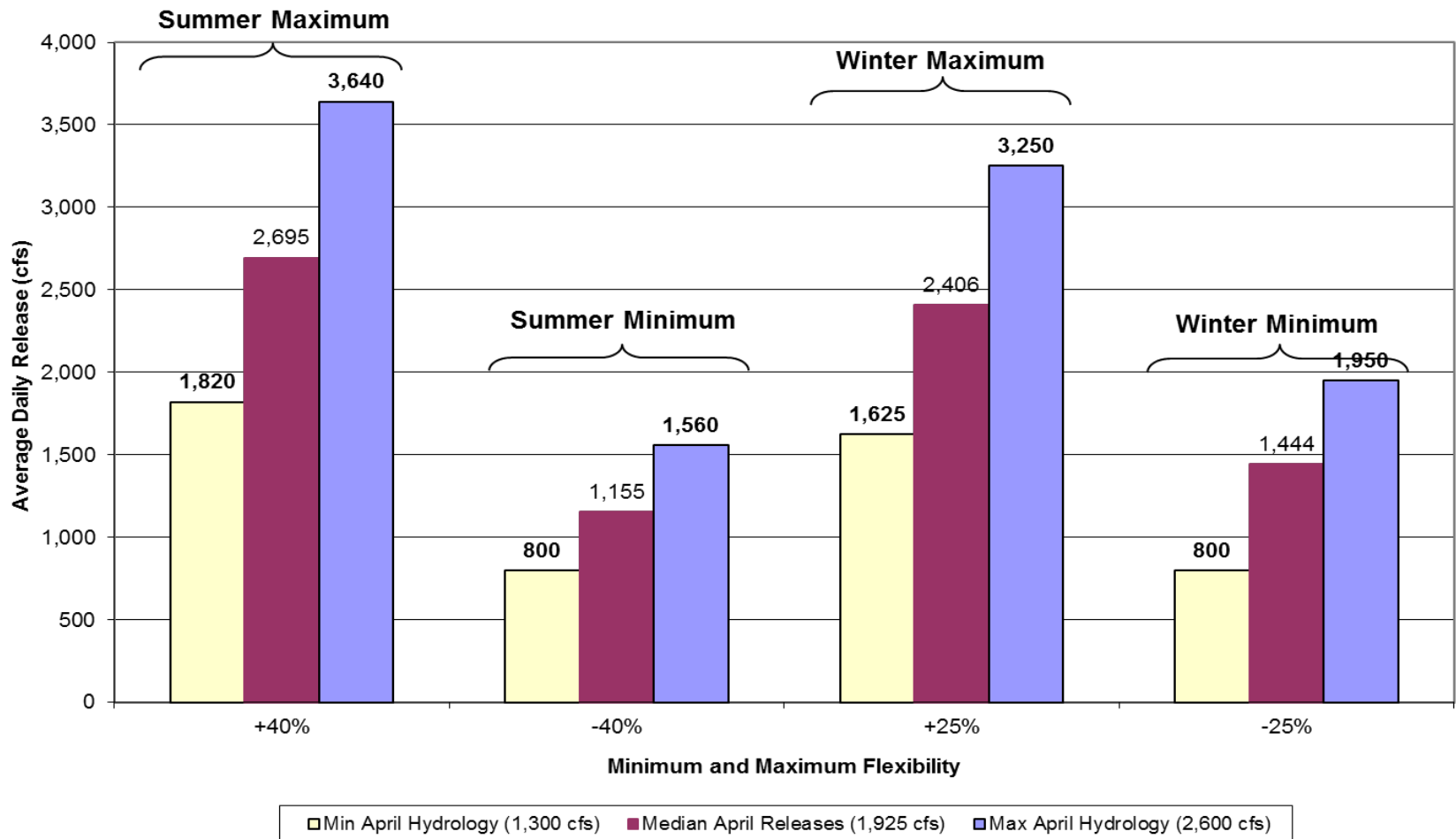


*This is a projection based on historic hydrographs. Actual days of flows in 2014 are unknown.

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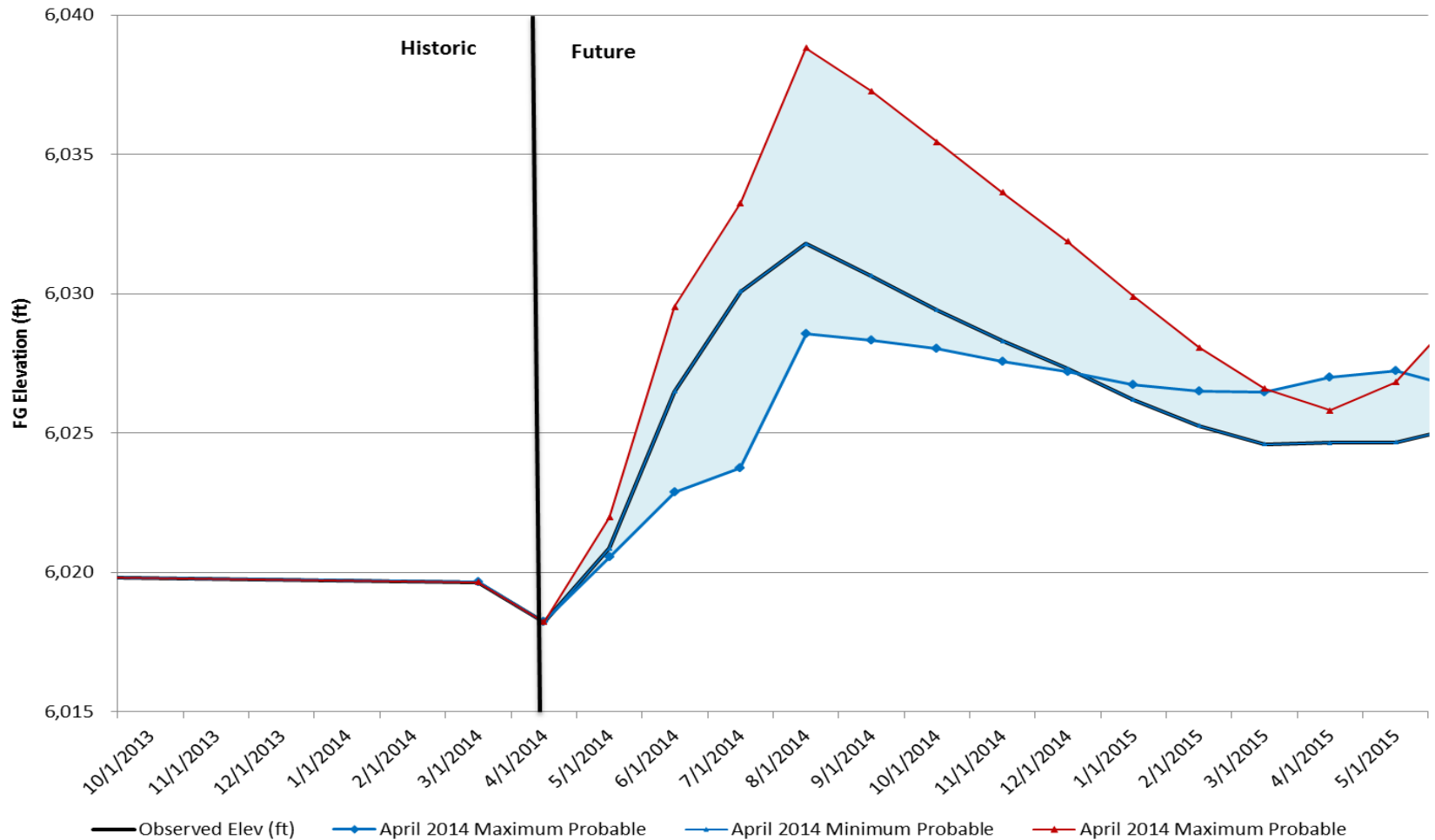
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Base Flow Uncertainty in April 2014 Forecast
Flexibility in Average Daily Base Flows during Summer and Winter



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Flaming Gorge Elevations
Historic and Projected based on April Forecast Inflow Projections



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April 2014

- Questions?
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- (801) 524-3883



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