

RECLAMATION

Managing Water in the West

Flaming Gorge Working Group

Hydrology and Operations
Spring 2013

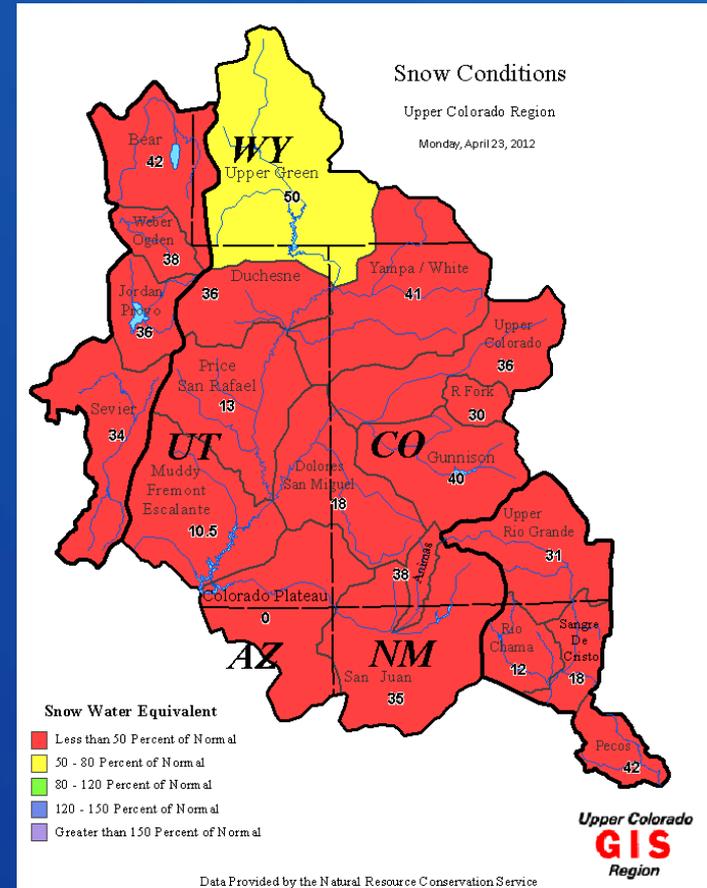
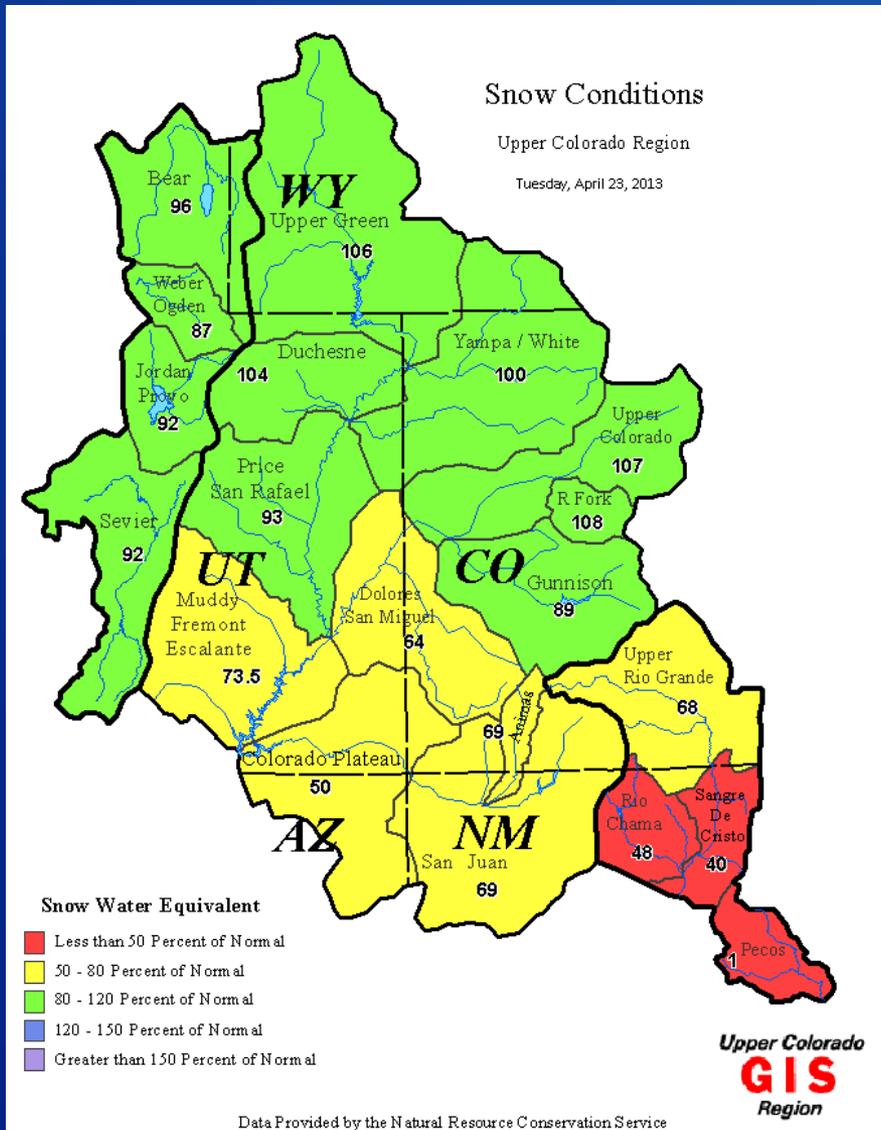


U.S. Department of the Interior
Bureau of Reclamation

Flaming Gorge

Live Capacity	3.752	MAF
<u>Capacity on 4/23/13</u>	<u>2.996</u>	<u>MAF</u>
Available Space	.756	MAF
	(80% full)	
Reservoir Elev.	6040.00	feet
<u>Elevation on 4/23/13</u>	<u>6020.55</u>	<u>feet</u>
Elevation below (Full)	19.45	feet
Average Inflow	1,250	cfs
Average Release	823	cfs

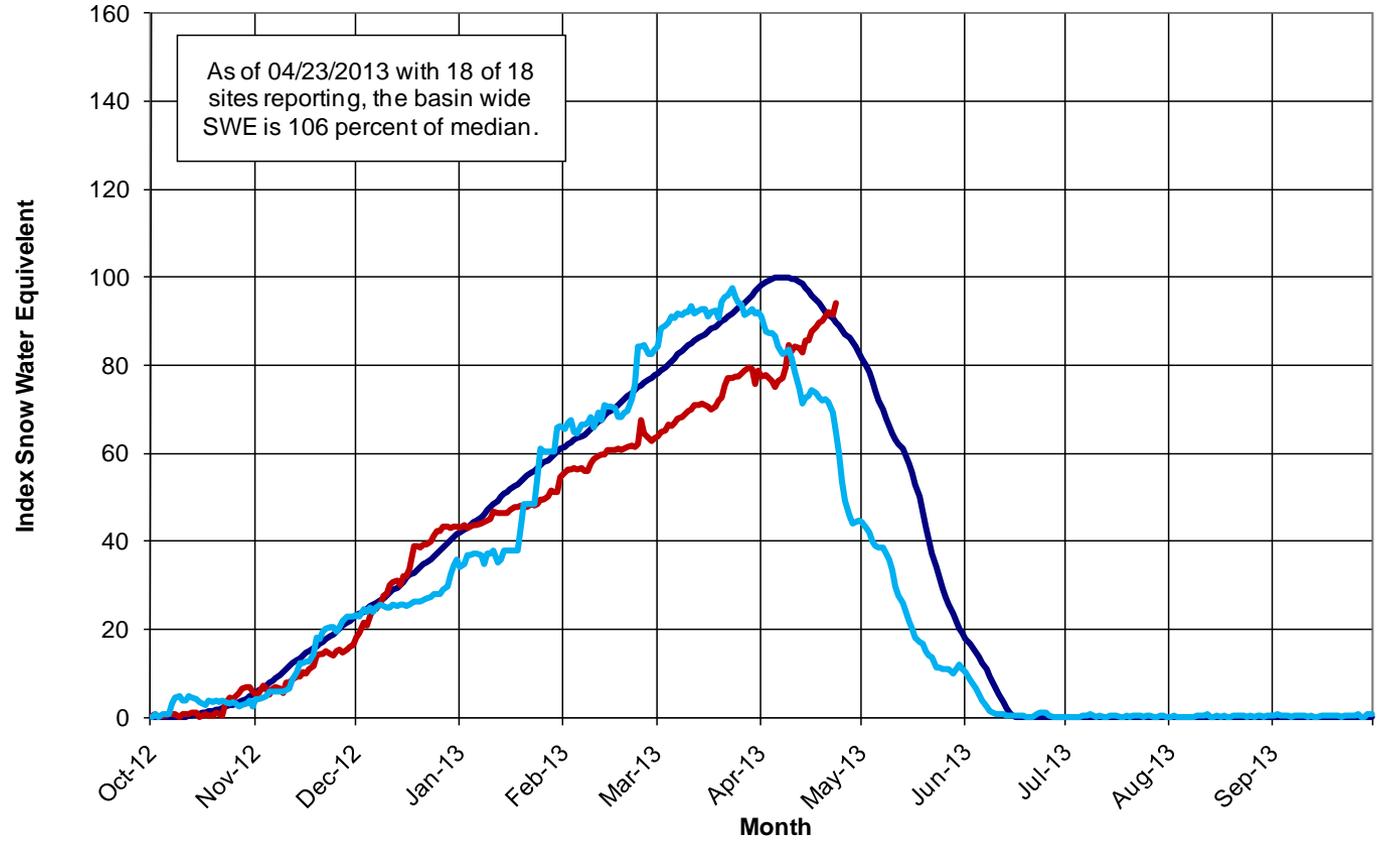
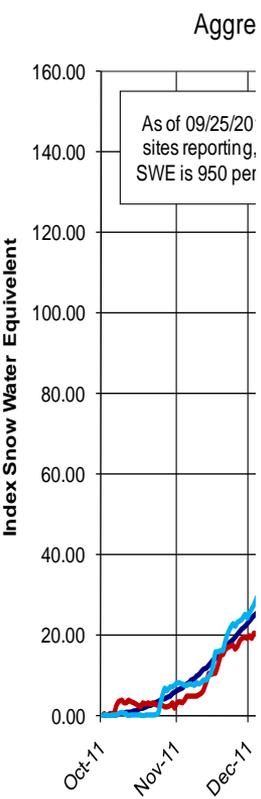
Upper Colorado Basin Snow Conditions



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Upper Green Basin Snow Conditions

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

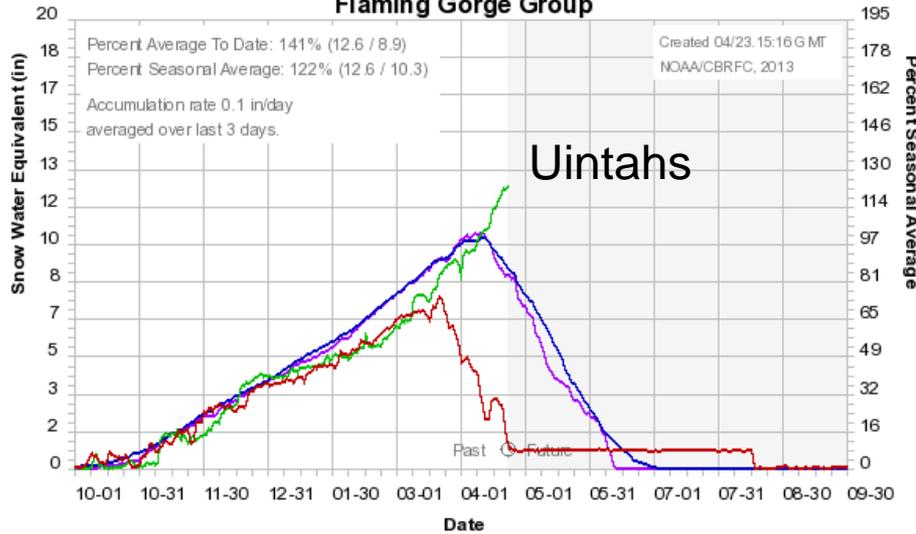


— Statistical Average
— Statistical Median Index
 — Current Year Index WY2013
 — Comparison Year Index WY2012

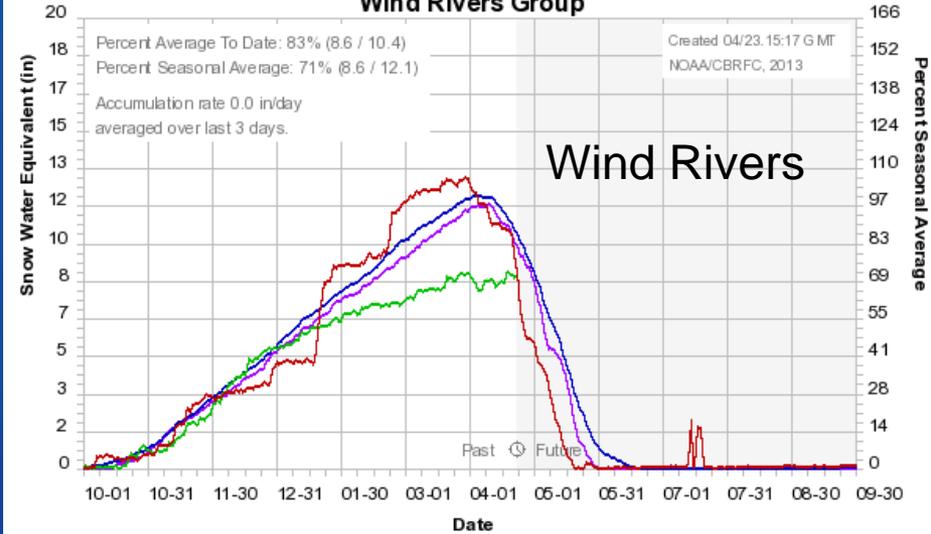
Data Provided by the Natural Resource Conservation Service

Upper Green Basin Snow Conditions

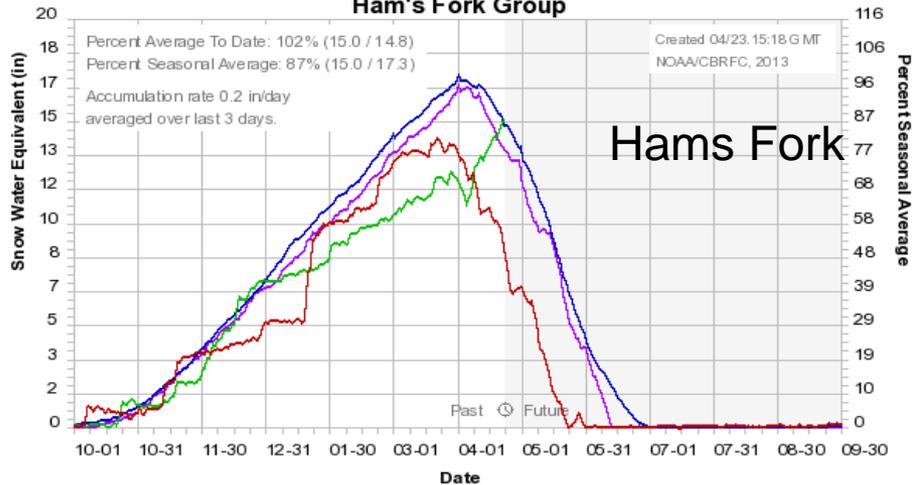
Colorado Basin River Forecast Center
Flaming Gorge Group



Colorado Basin River Forecast Center
Wind Rivers Group

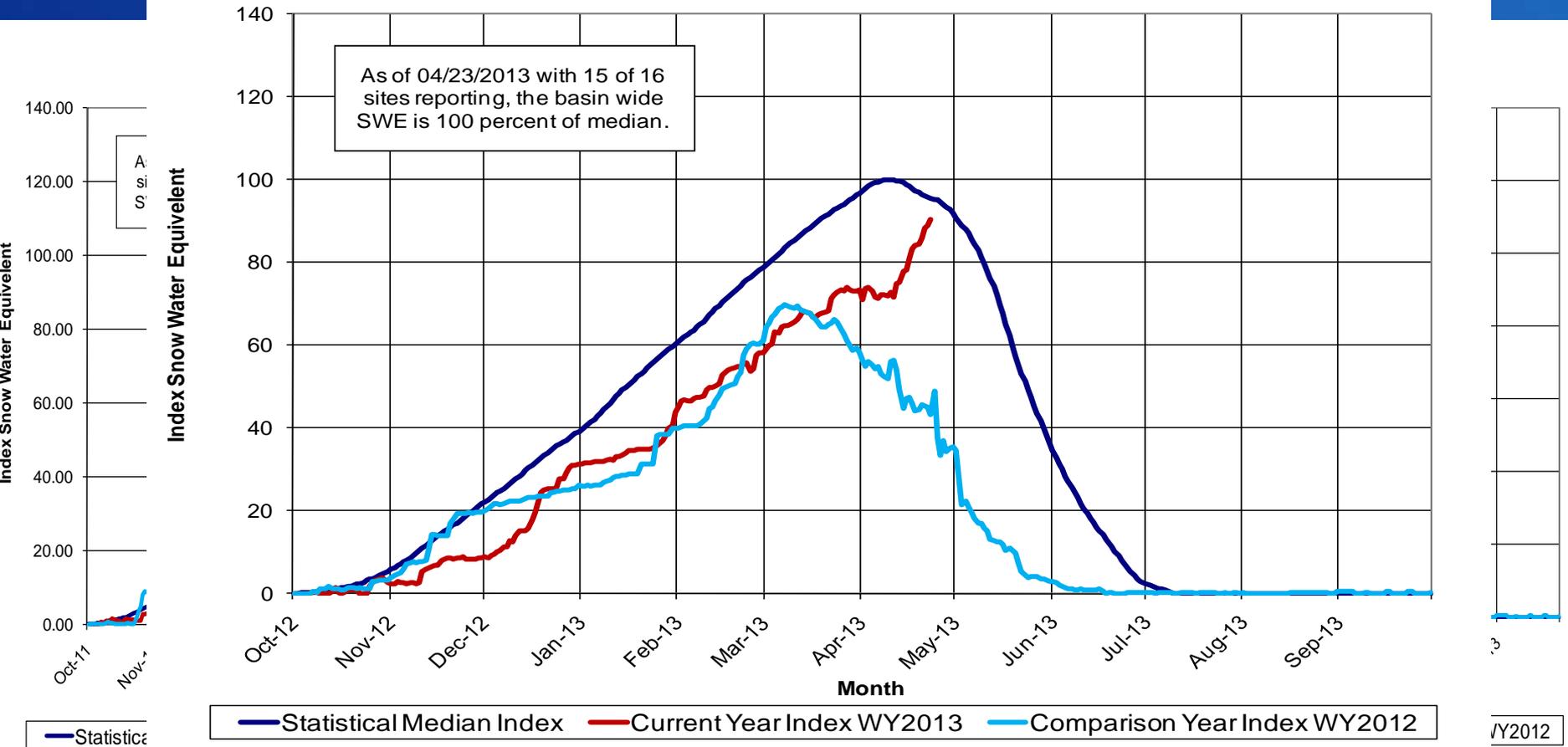


Colorado Basin River Forecast Center
Ham's Fork Group



Yampa River Basin Snow Conditions

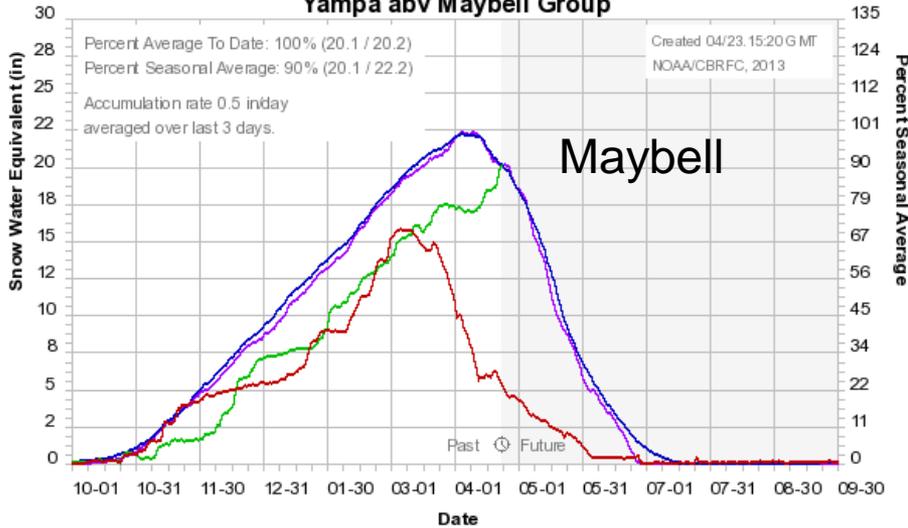
Upper Yampa River Basin Snotel Tracking
 Aggregate of 16 Snotel Sites above Green River Confluence



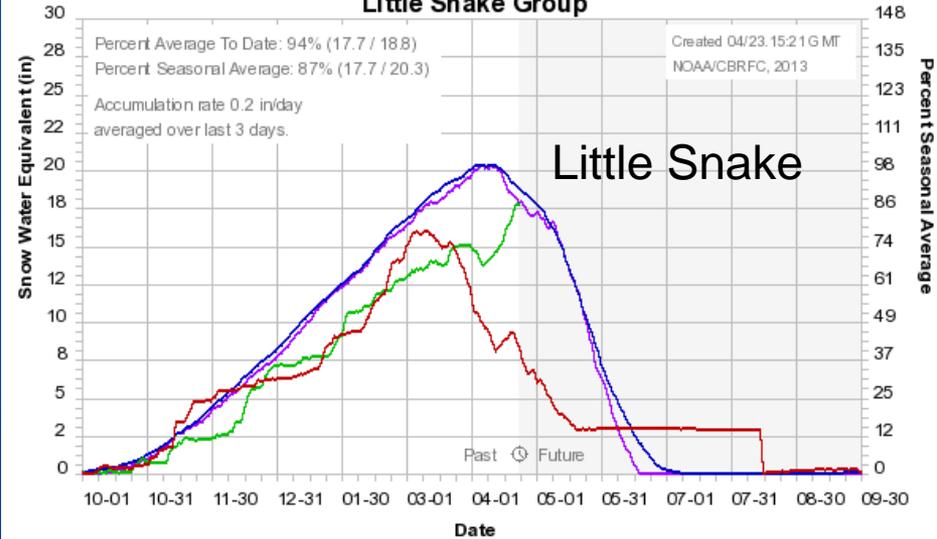
Data Provided by the Natural Resource Conservation Service

Yampa River Basin Snow Conditions

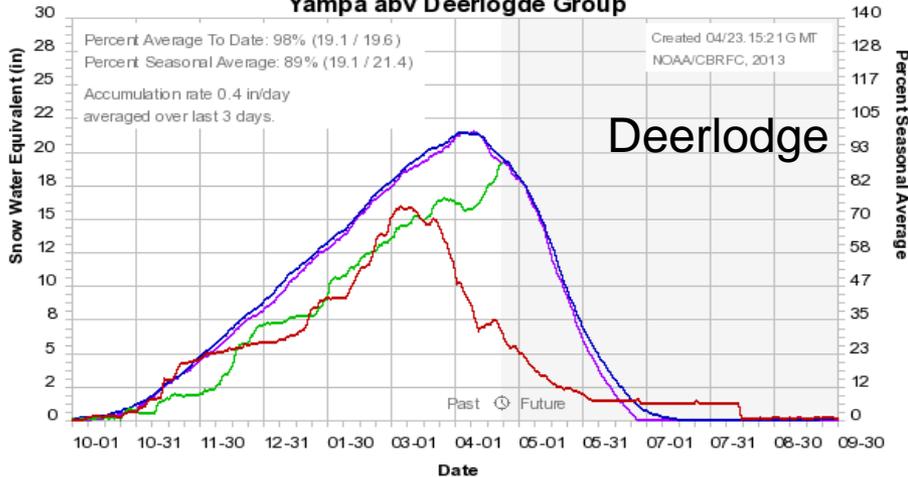
Colorado Basin River Forecast Center
Yampa abv Maybell Group



Colorado Basin River Forecast Center
Little Snake Group



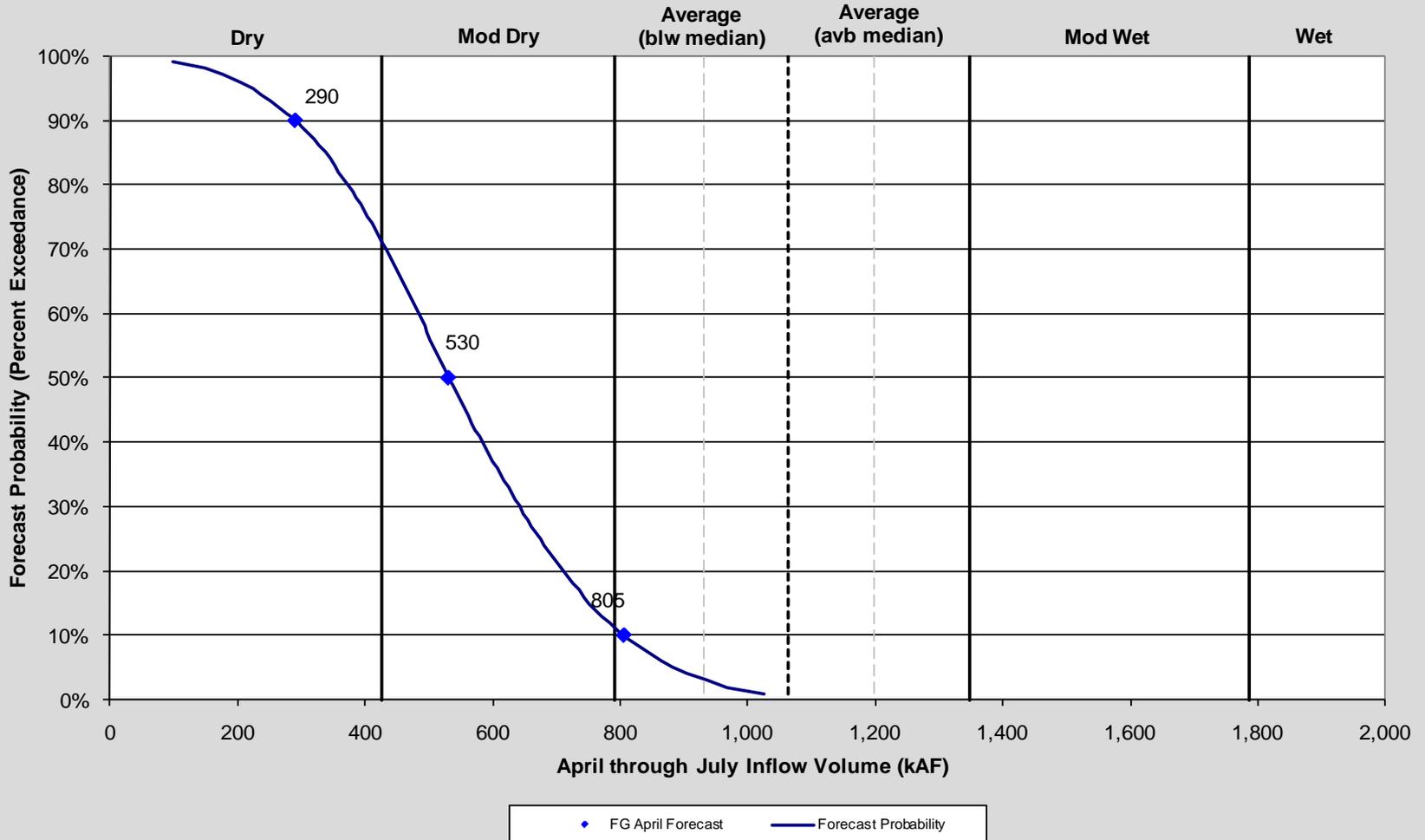
Colorado Basin River Forecast Center
Yampa abv Deerlogde Group



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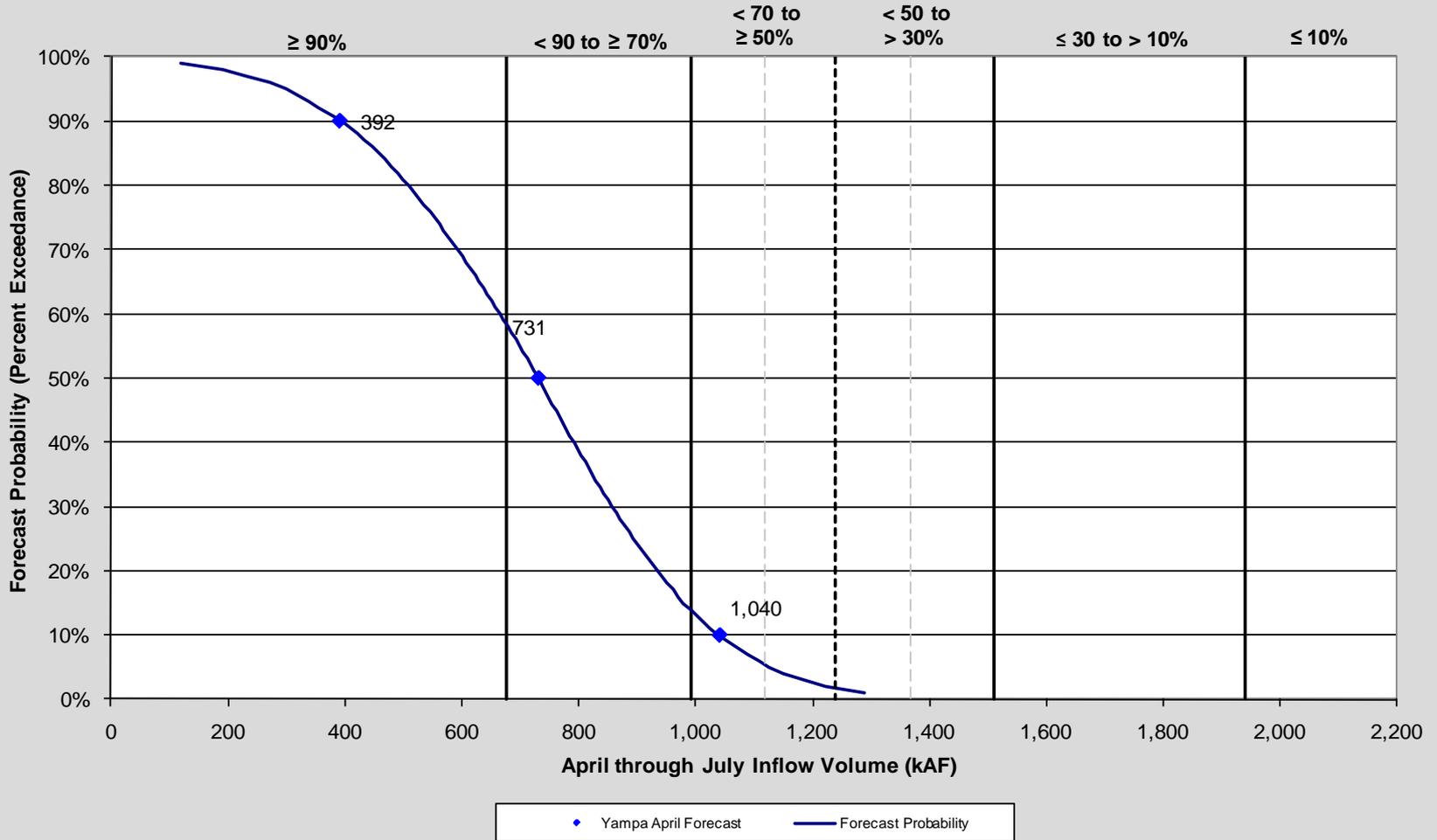
FG April Final Forecast Classifications

Flaming Gorge Reservoir
April through July Historic Inflow (1963-2012)
Related to Flow Recommendation Percent Exceedances



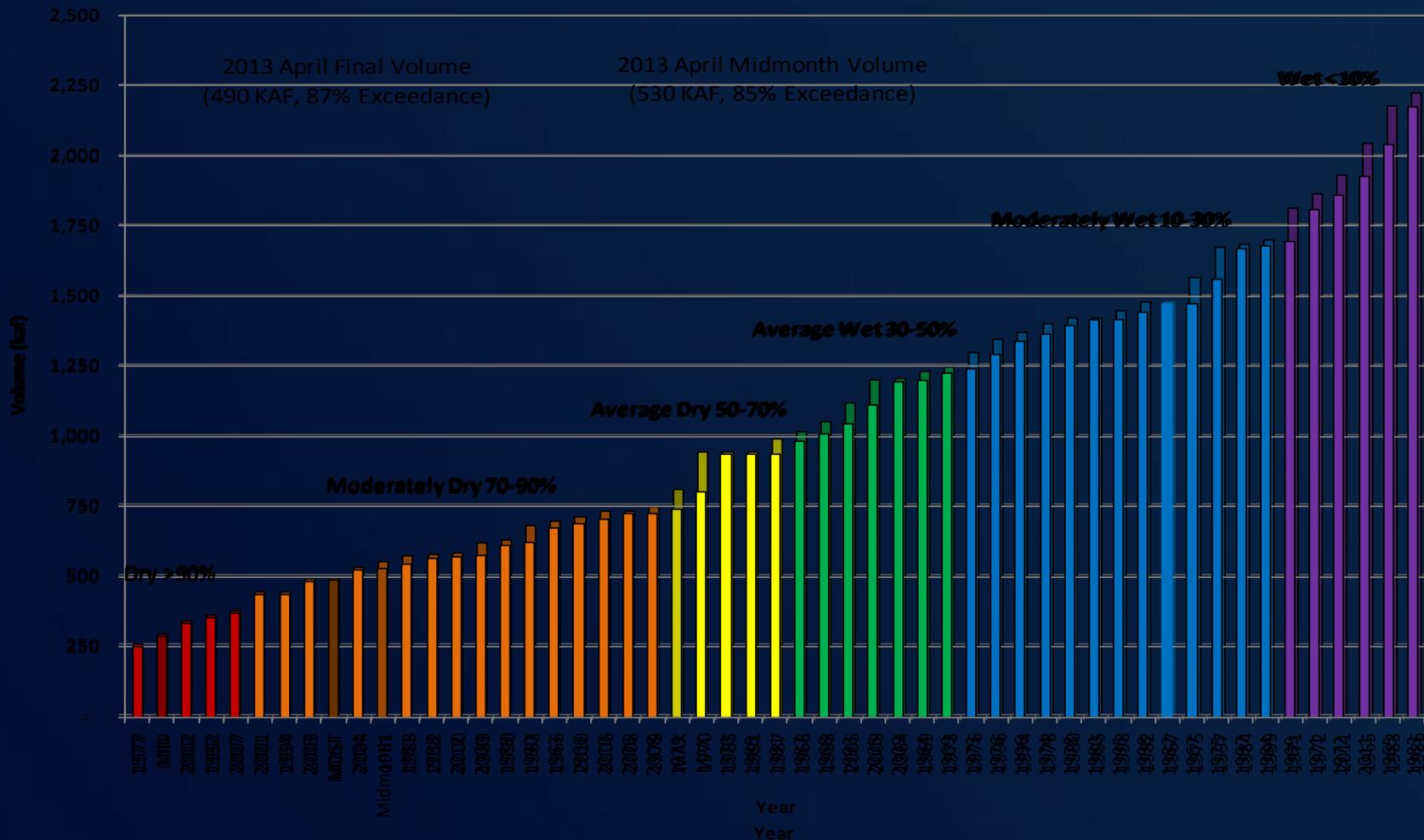
Yampa April Final Forecast Classifications

Yampa River - Maybell Plus Lily
April through July Historic Inflow (1922-2012)
Related to Flow Recommendation Percent Exceedances



FG April Final Forecast Historic Ranking

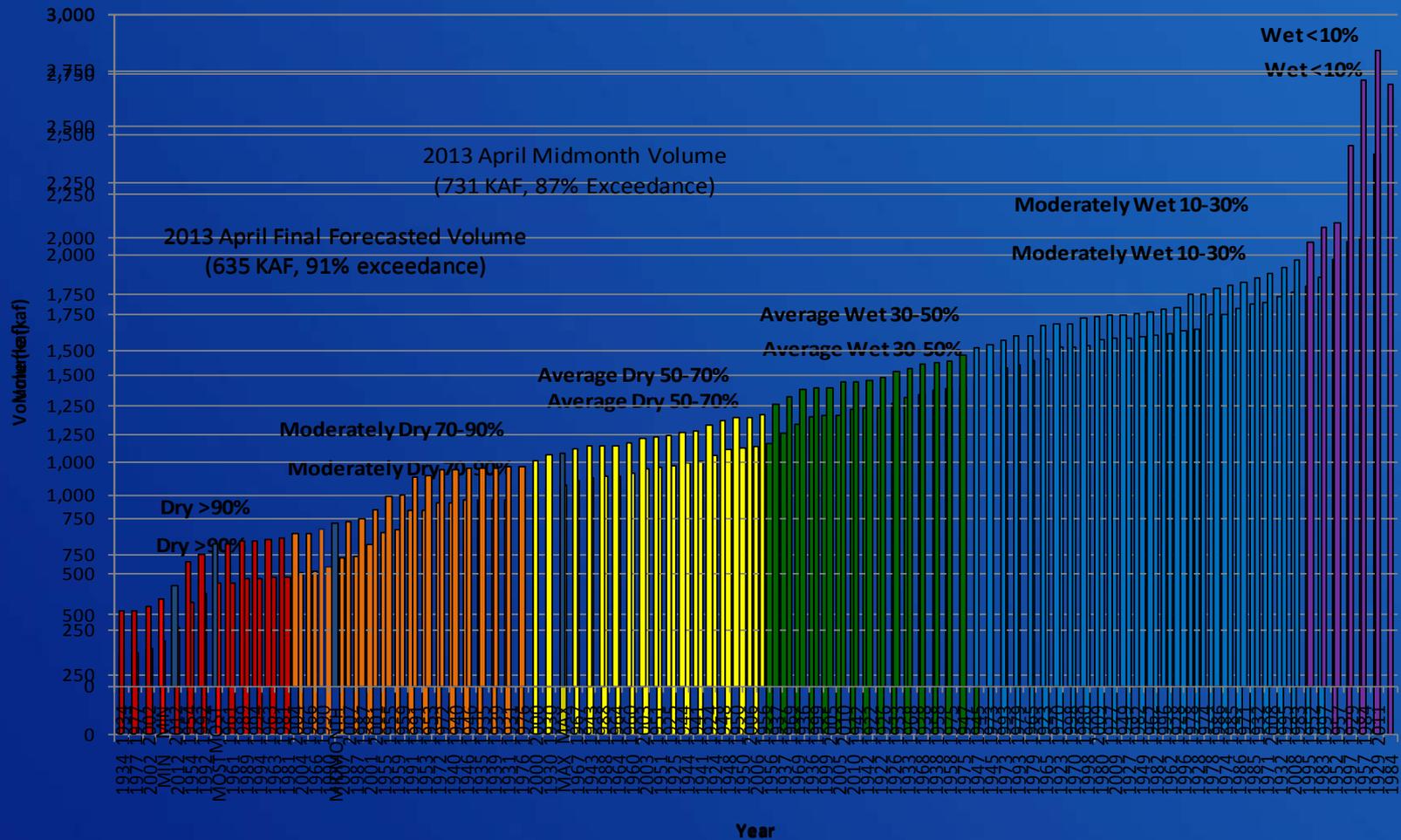
Flaming Gorge Reservoir
Historic April-July Unregulated Inflow Volume Ranking (1963-2012)



Yampa April Final Forecast Historic Ranking

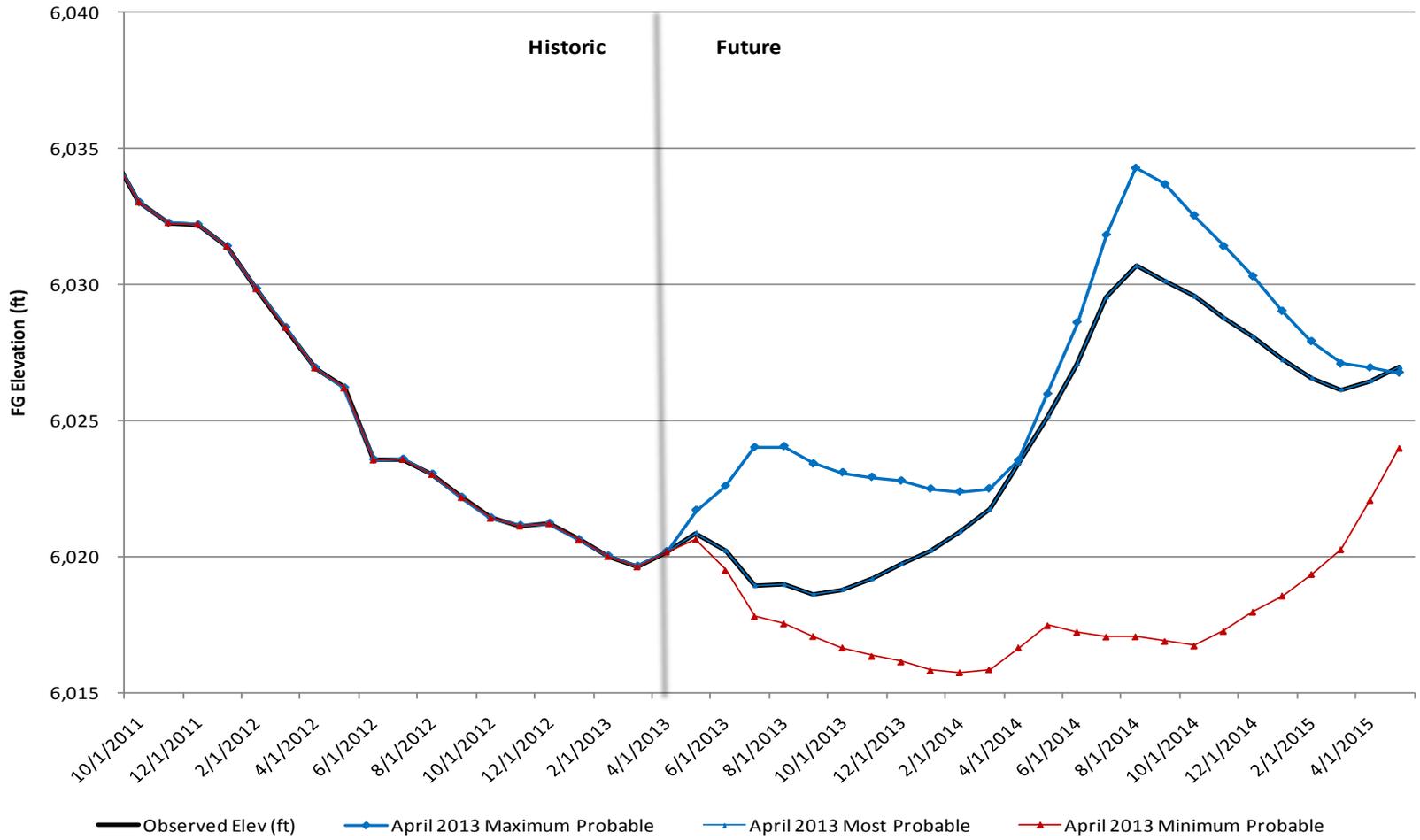
Yampa River Basin - Maybell Plus Lily

Historic April-July Unregulated Inflow Volume Ranking (1922-2011)



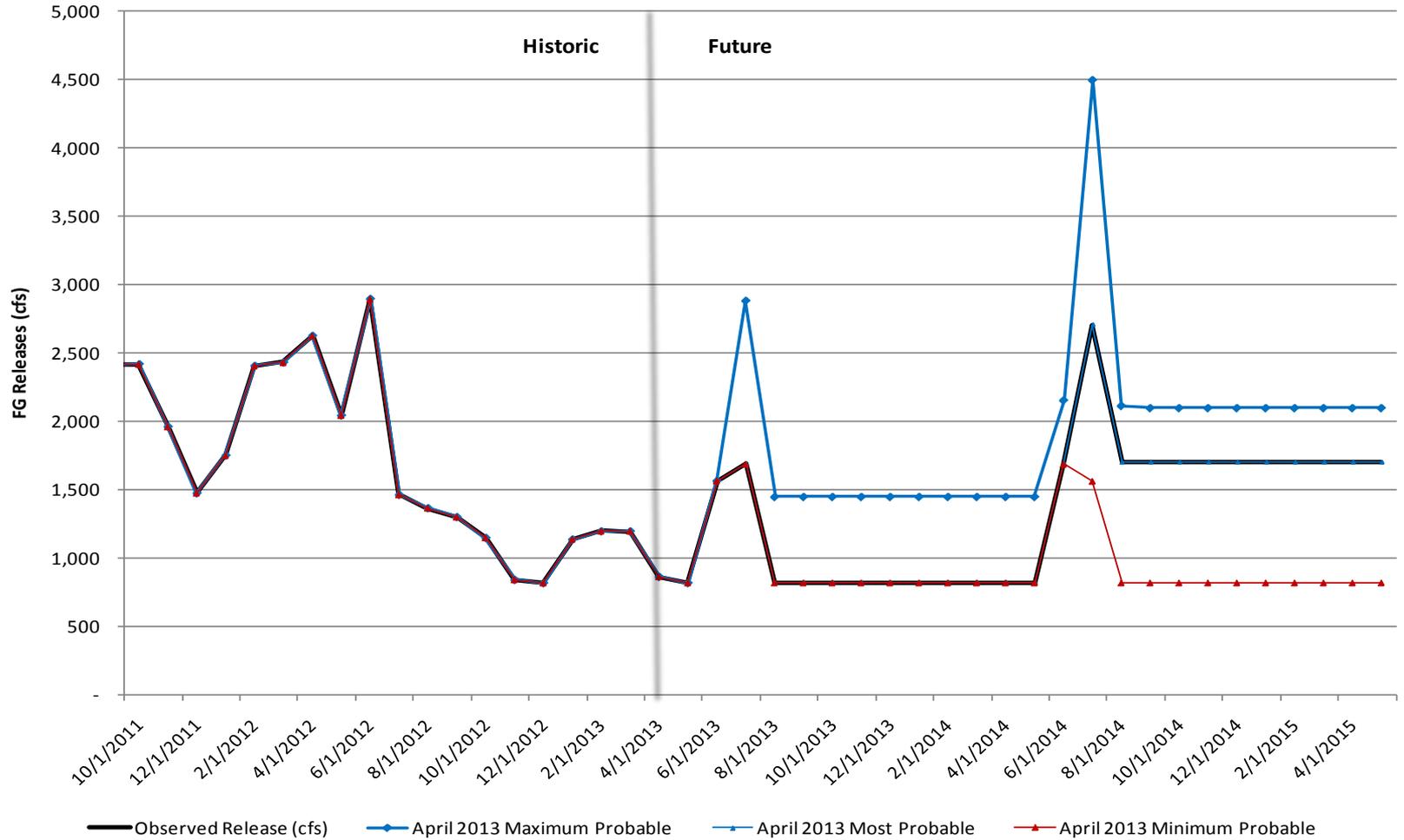
Flaming Gorge Projected Operations

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

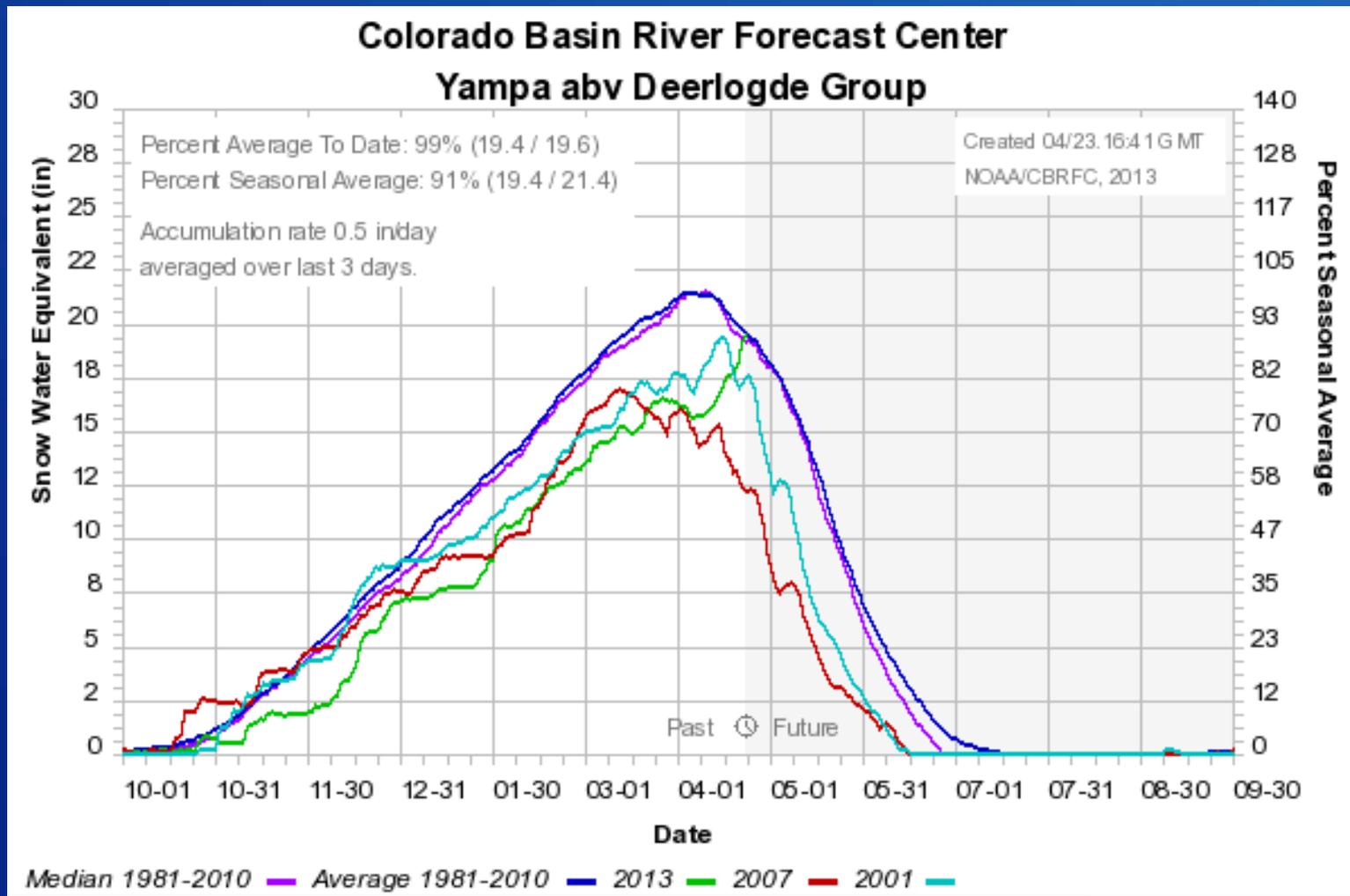


Flaming Gorge Projected Operations

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

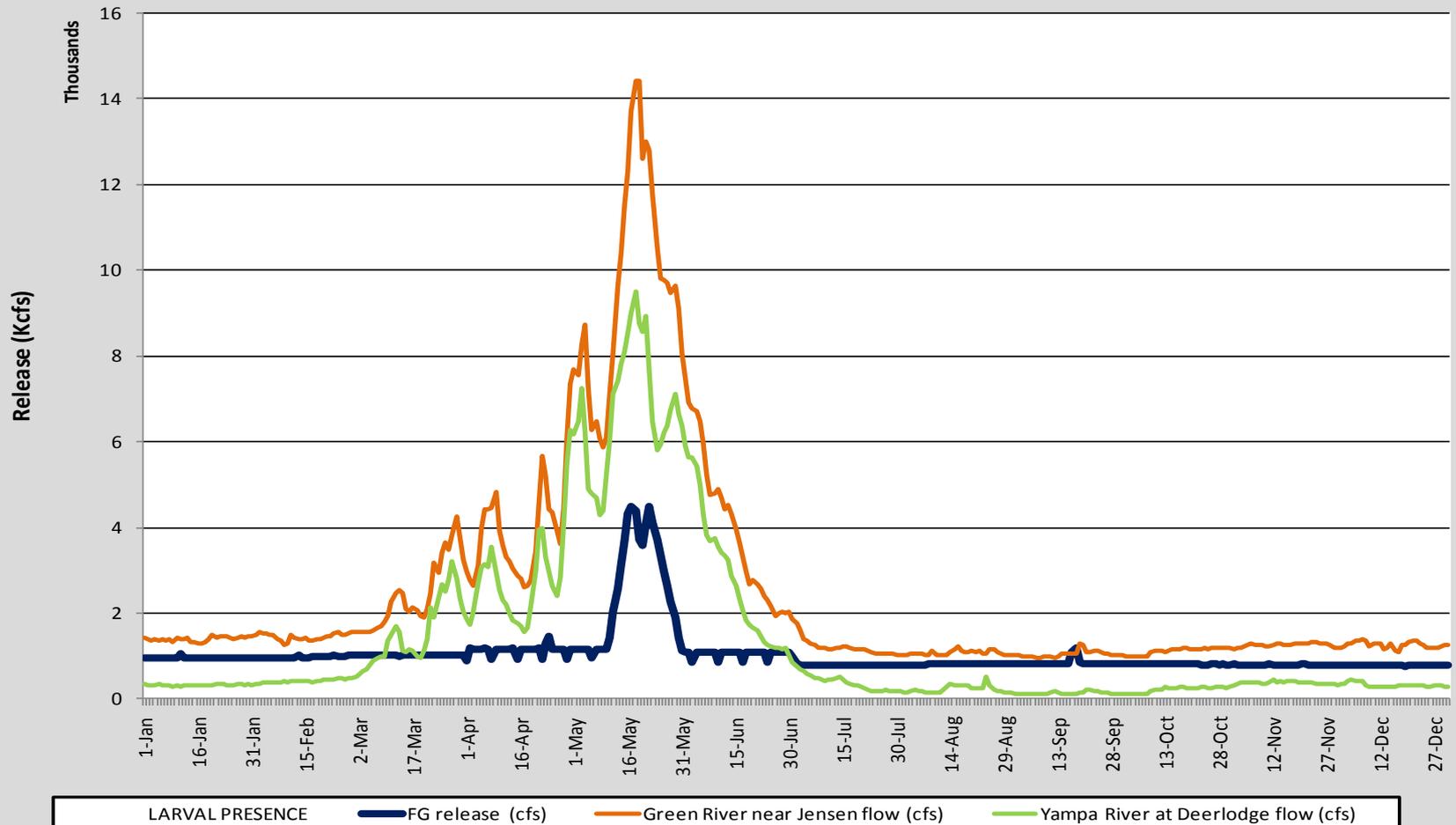


Yampa River Similar Snowpack

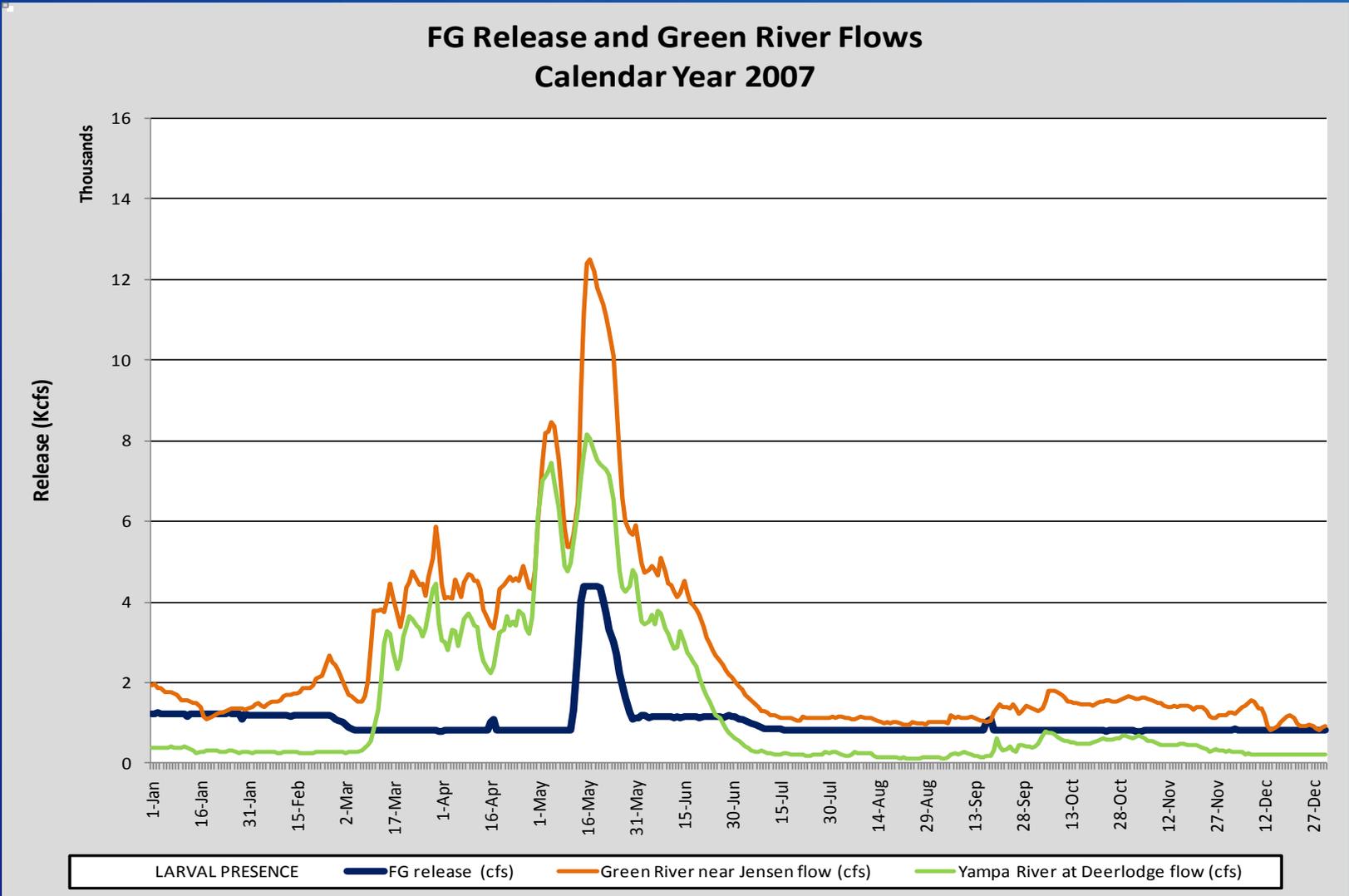


Historic Yampa River and Green River Flows

FG Release and Green River Flows
Calendar Year 2001



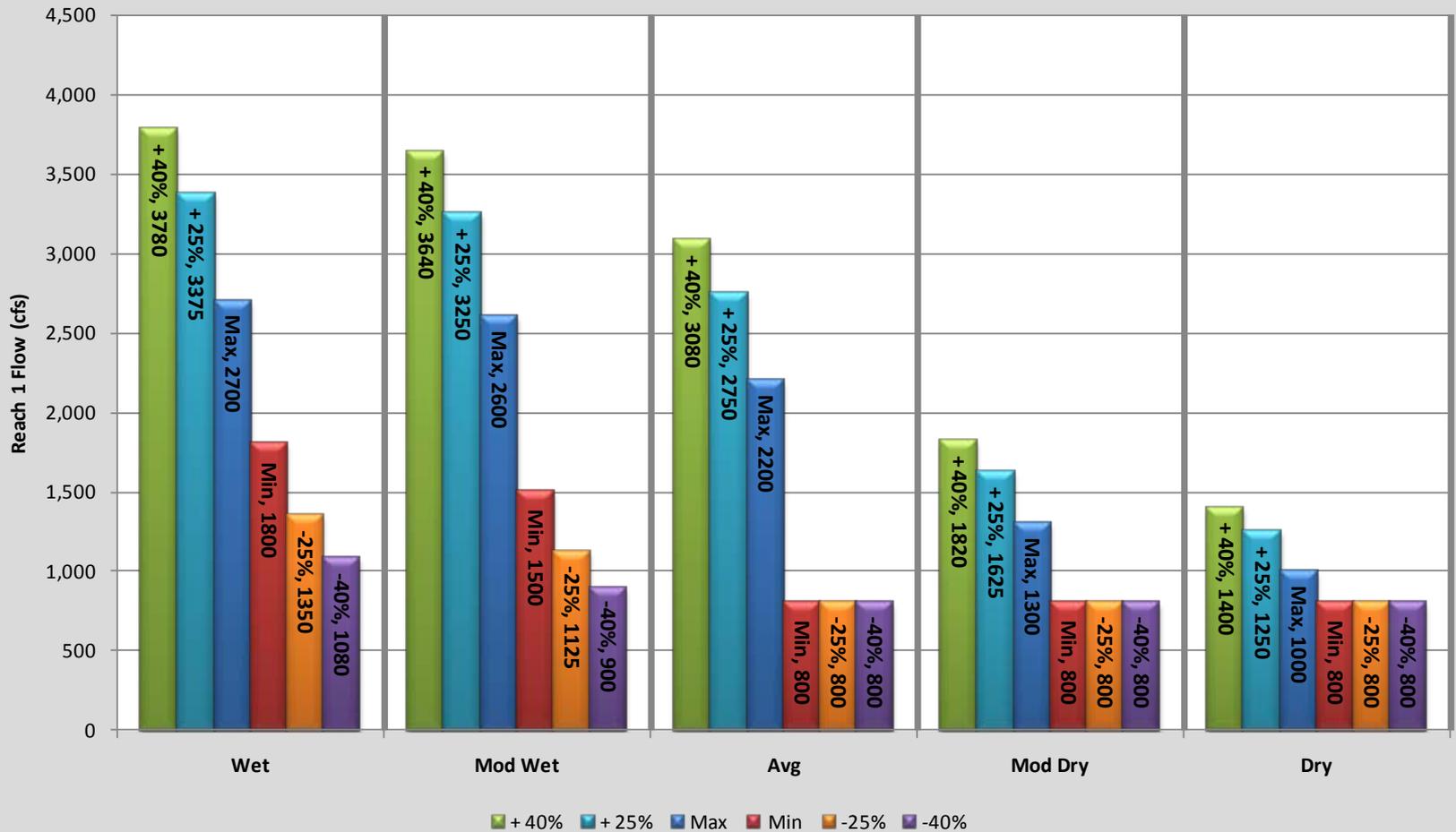
Yampa River and Projected Green River Flows



Reach 1 Base Flow Ranges

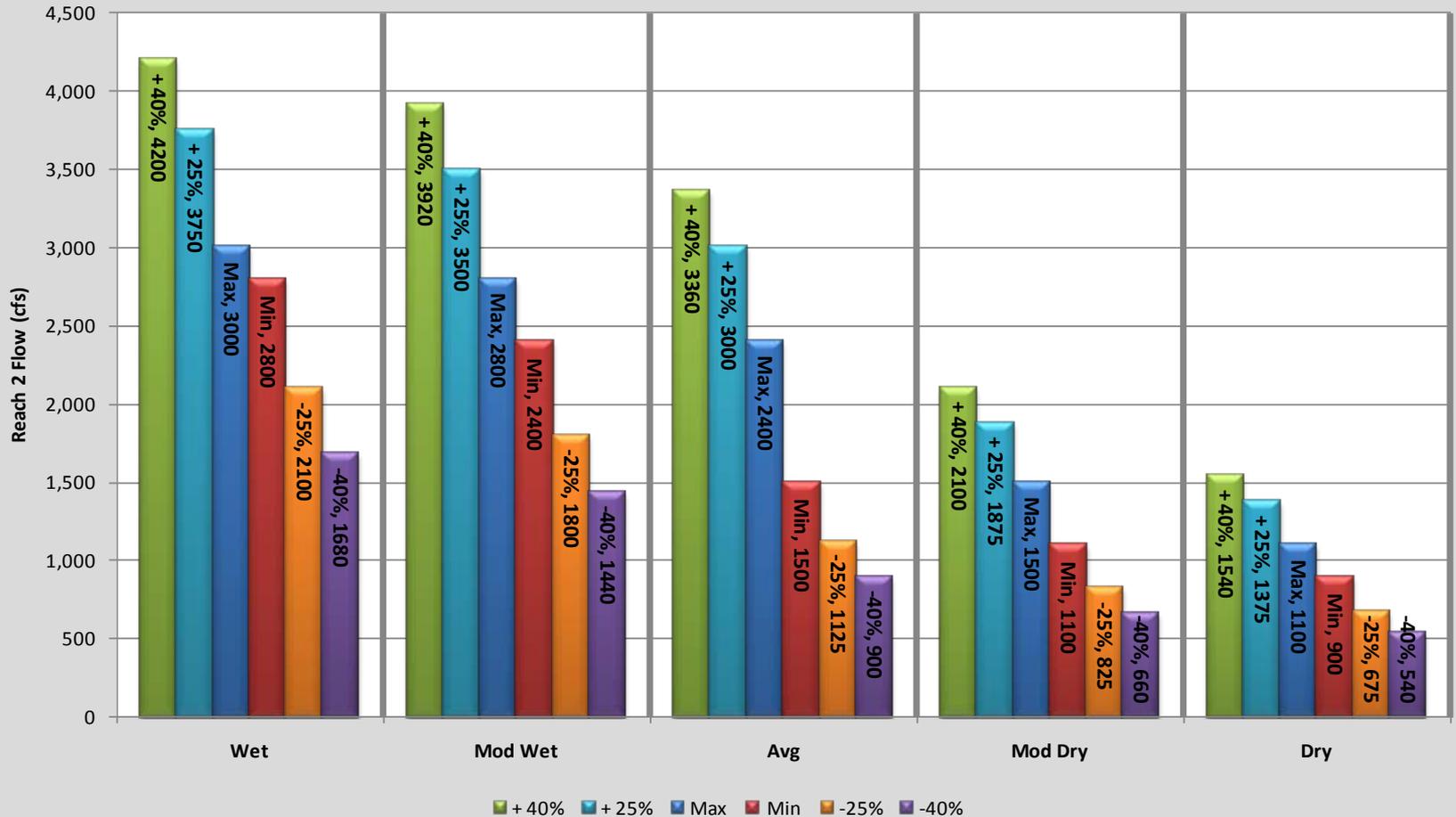
Flaming Gorge Dam

Reach 1 Base Flow Range with Flow Variability $\pm 40\%$ and $\pm 25\%$



Reach 2 Base Flow Ranges

Flaming Gorge Dam
Reach 2 Base Flow Range with Flow Variability $\pm 40\%$ and $\pm 25\%$



Flaming Gorge Working Group

April 2013

- Questions?
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- (801) 524-3883

