

# RECLAMATION

*Managing Water in the West*

**Fontenelle Working Group Meeting**

**April 15, 2015**



U.S. Department of the Interior  
Bureau of Reclamation

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Upper Colorado Region

# Fontenelle Reservoir Current Status

As of 4/13/15

## Storage

Live Capacity	345,000 AF
Capacity on 4/13/15	<u>193,295 AF</u>
	(56% full) <i>HIGH for April</i>

## Pool Elevation

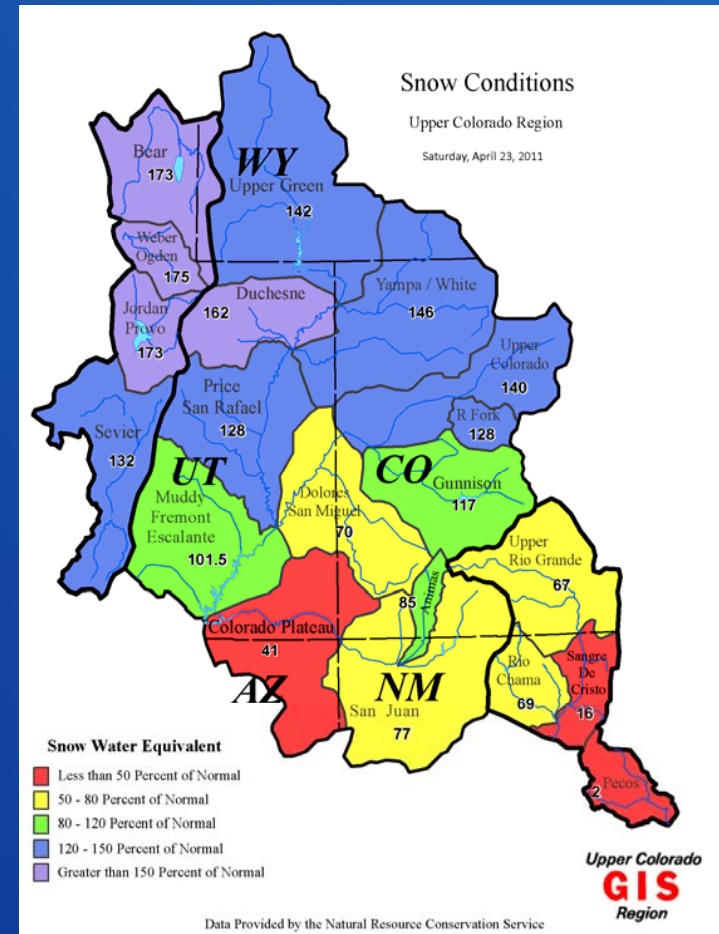
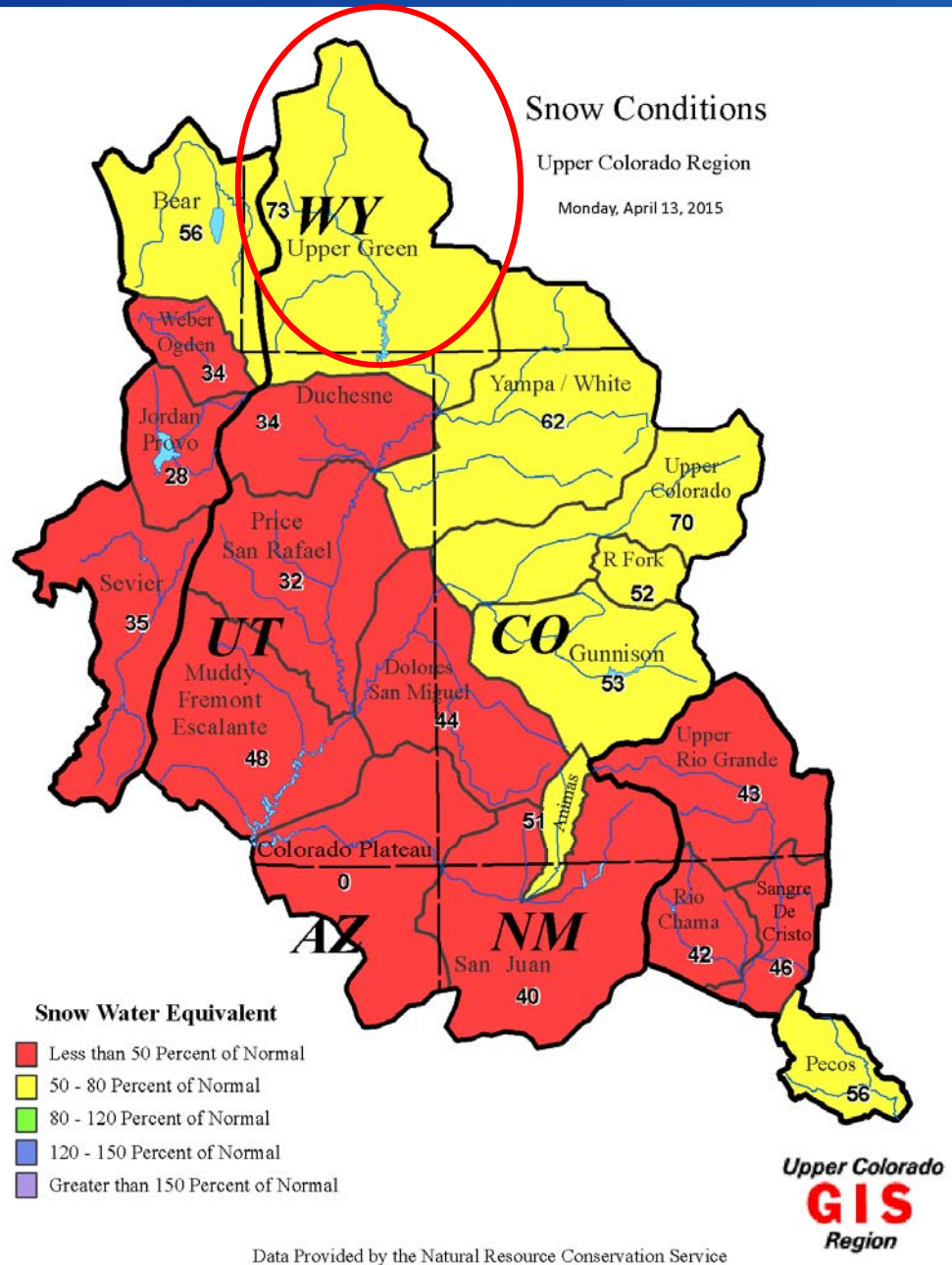
Top of reservoir	6506.0 ft
Elevation on 4/13/15	<u>6484.7 ft</u>
Elevation below top	21.3 ft

## Inflow and Release

5 Day Average Inflow	1,230 cfs
Current Release on 4/13/15	1,700 cfs

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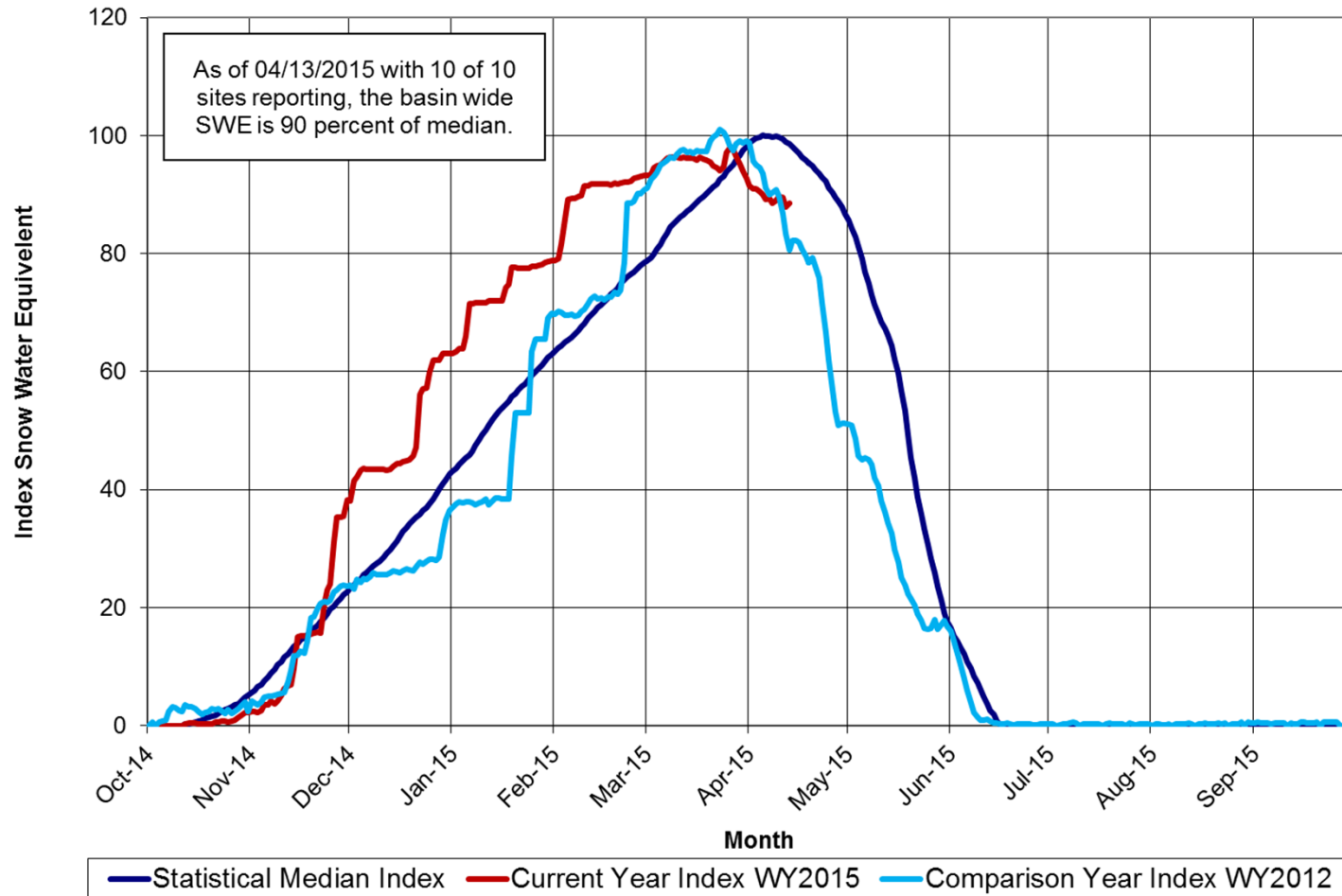
# Snow Water Equivalent (SWE) Current Conditions



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# Current Snowpack

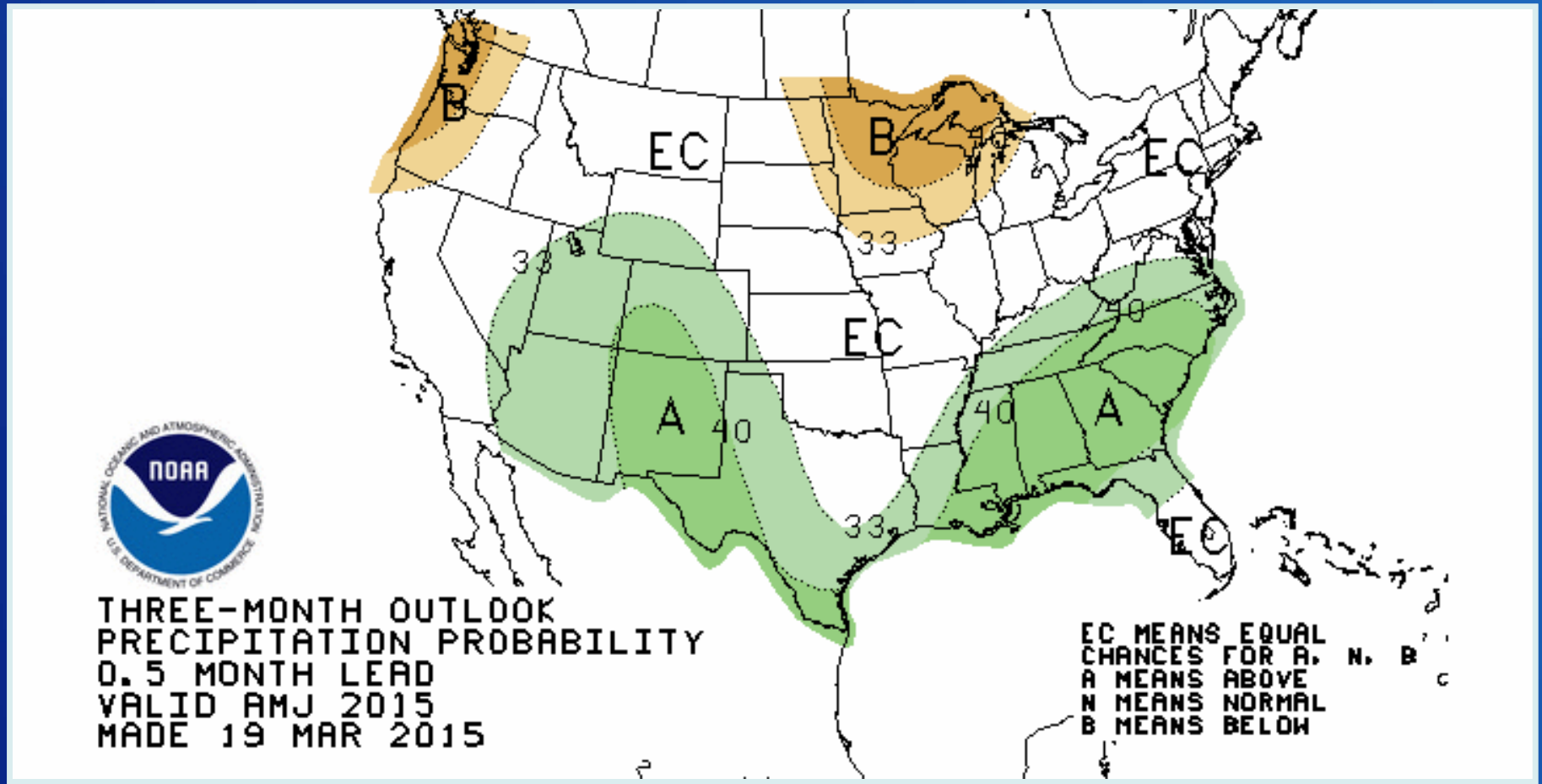
**Upper Green River Basin Snotel Tracking**  
Aggregate of 10 Snotel Sites above Fontenelle Reservoir



Data Provided by the Natural Resource Conservation Service

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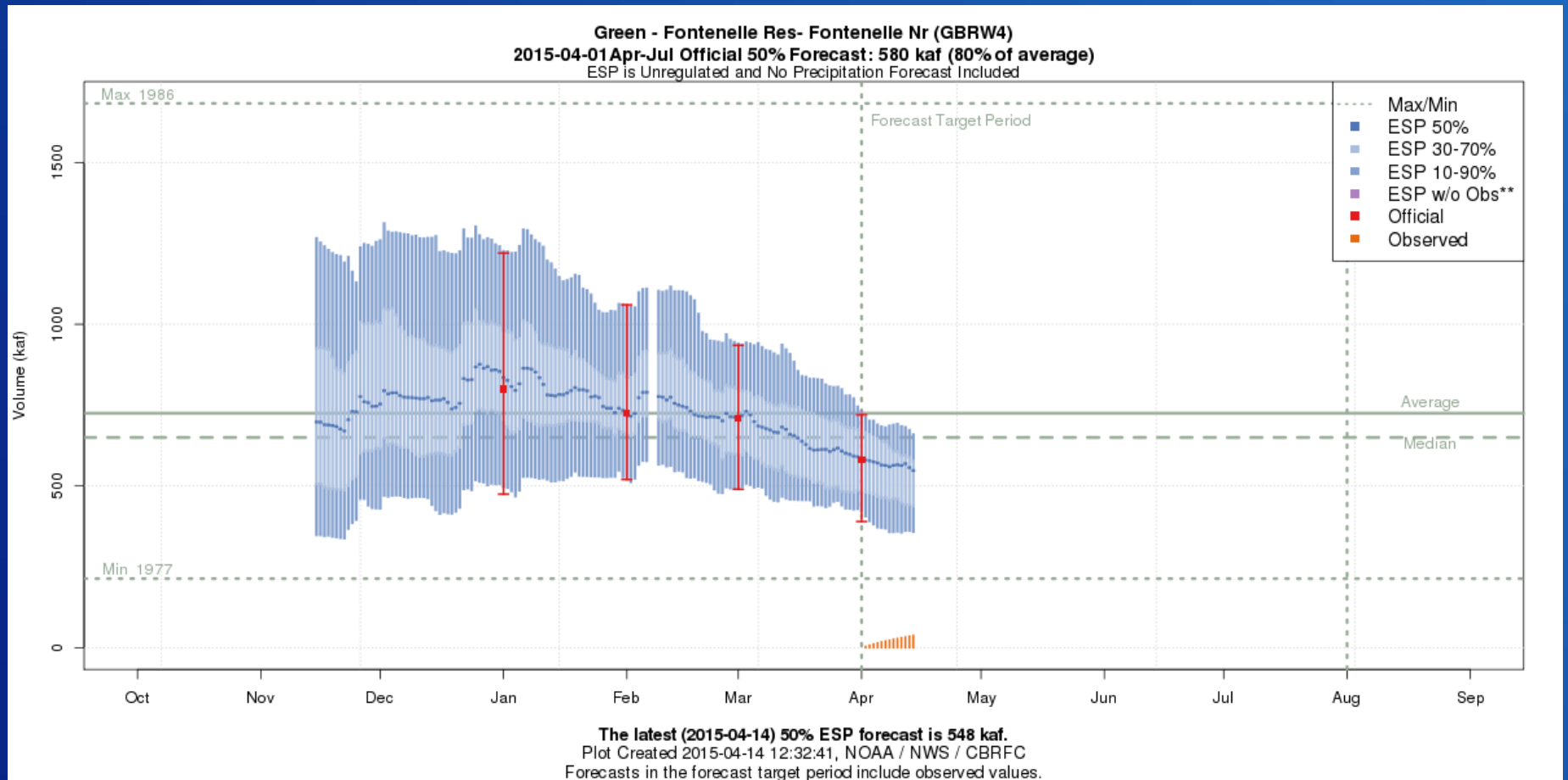
# 3-Month Climate Outlook



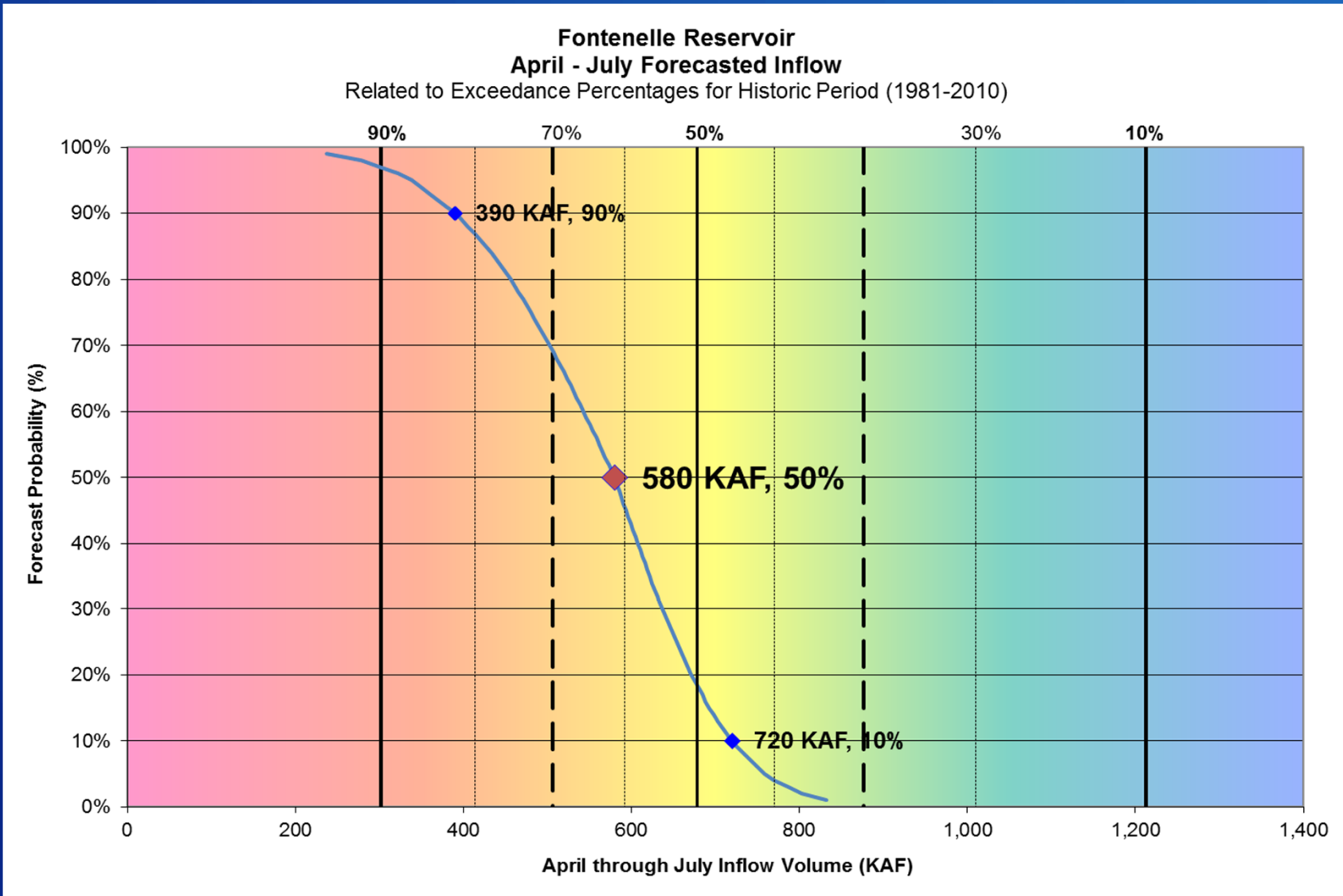
Images courtesy of National Weather  
Service Climate Prediction Center

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# Forecast Evolution



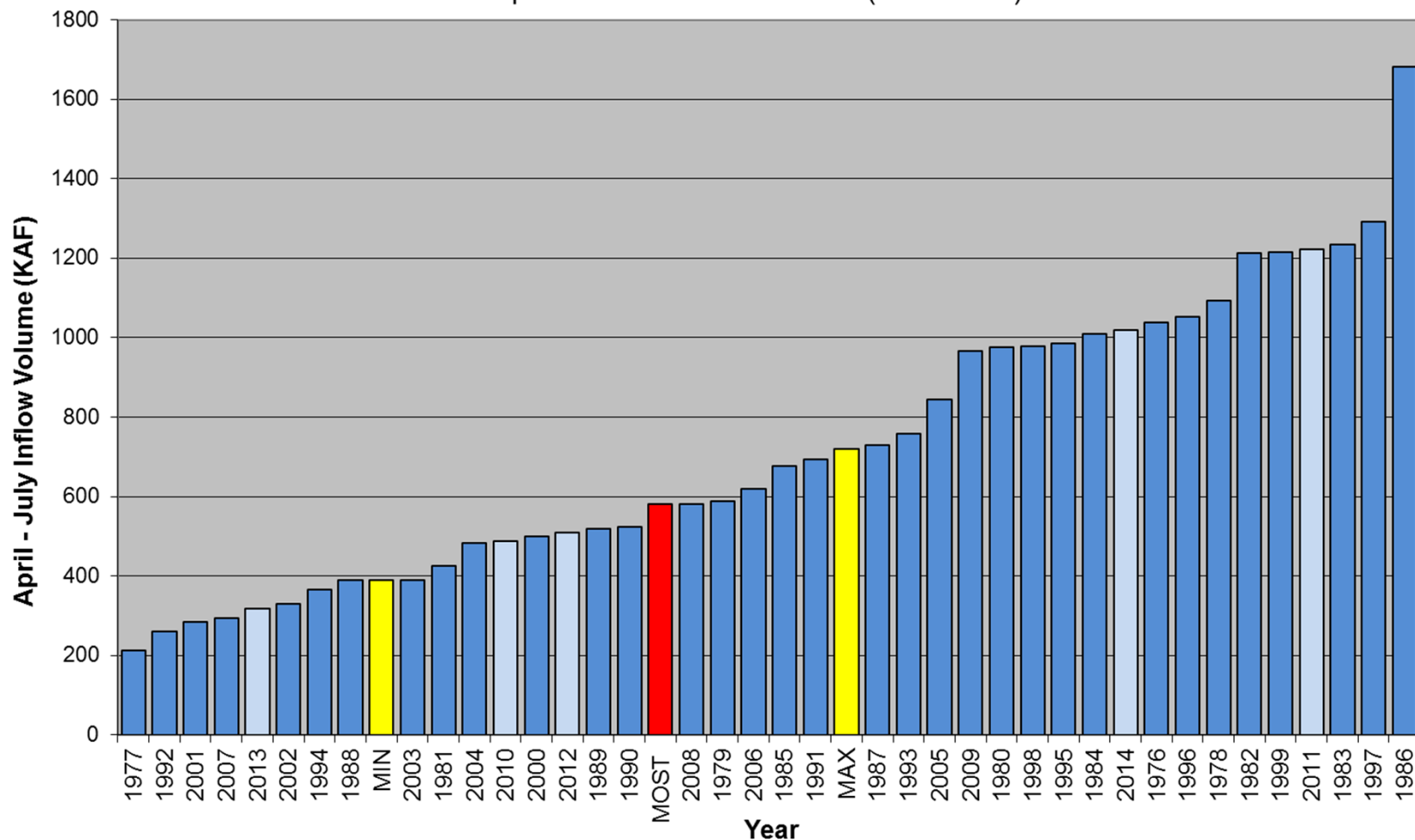
# April Official Inflow Forecast



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# 2015 Forecast

**Fontenelle April-July Inflow Forecast 2015**  
Comparison with Historic Inflows (1976-2014)

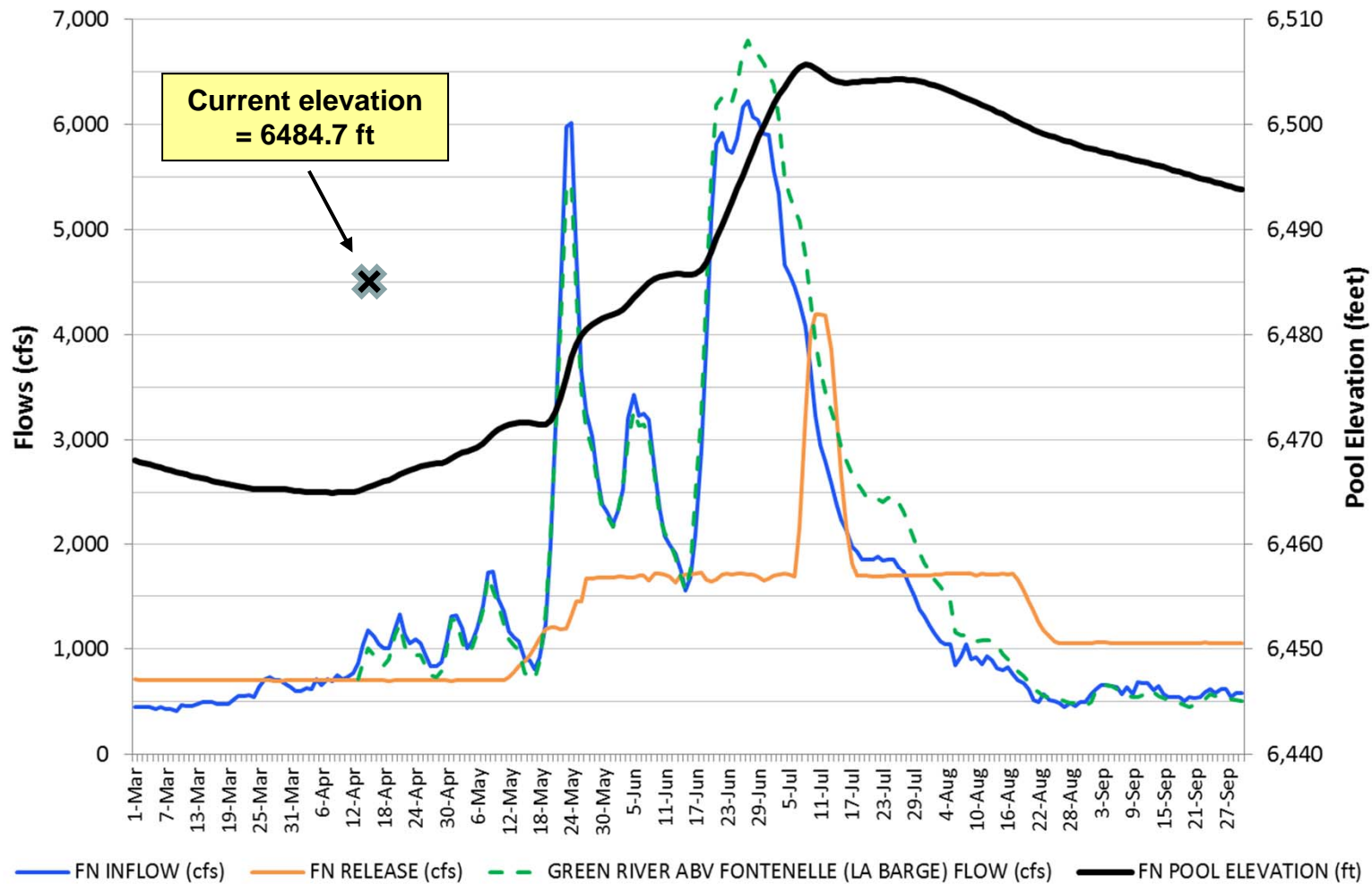


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# Historic Hydrology

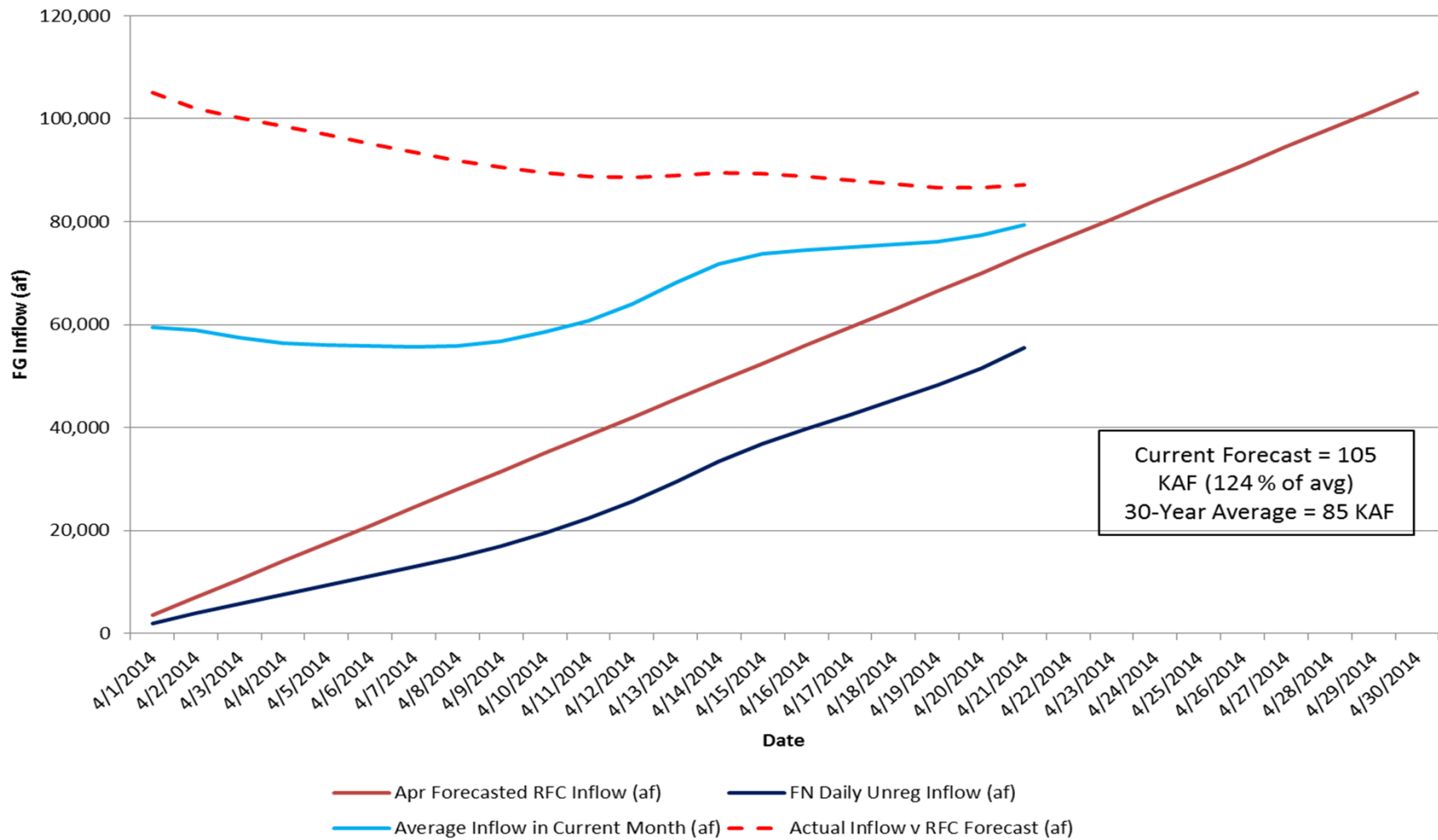
## Fontenelle Dam Inflow & Releases and Green River Flows 2008



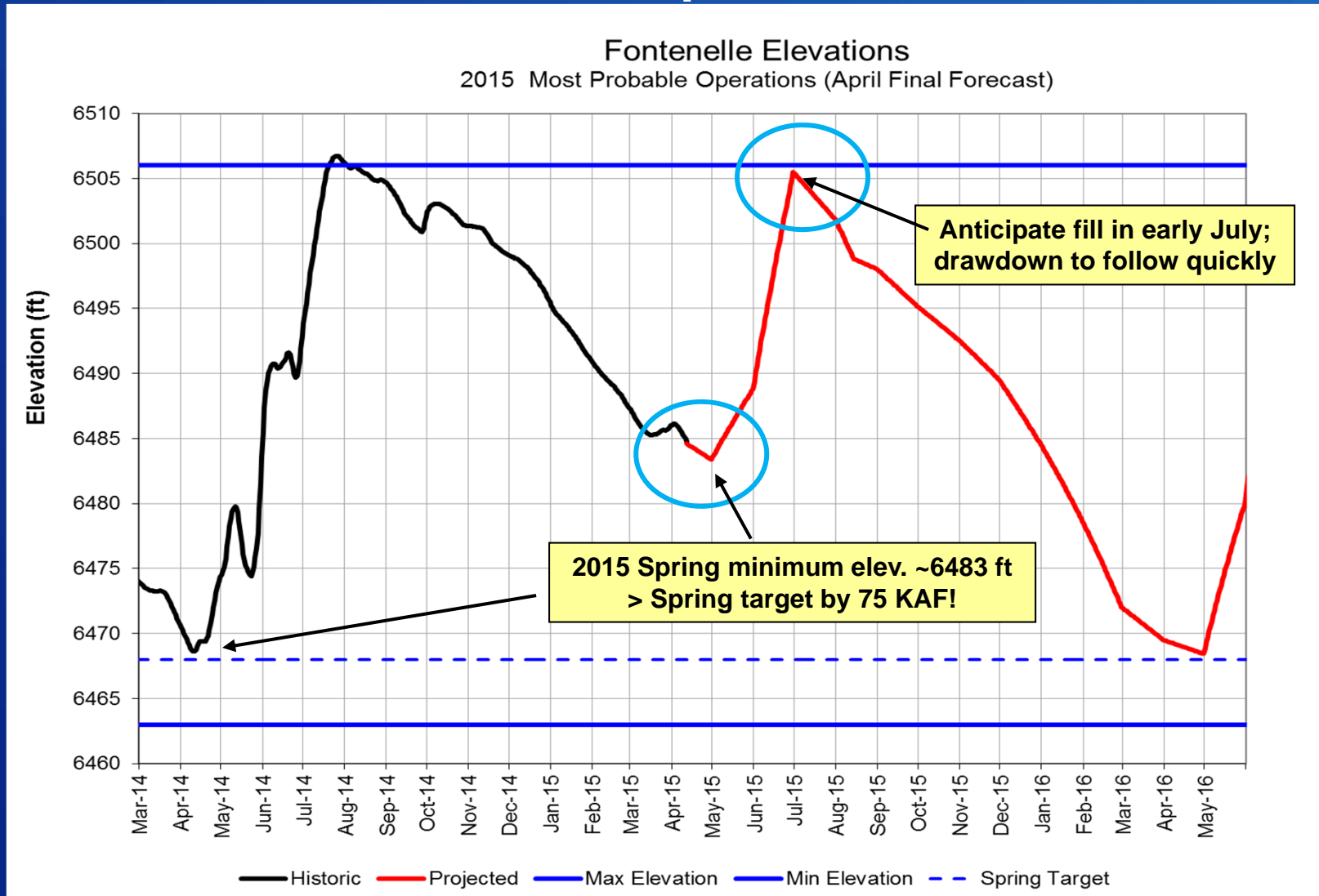
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# April Hydrology

Fontenelle Monthly Unreg Inflow Comparison  
Related to the RFC Apr 2014 Forecast



# Projected Reservoir Elevation Based on April Forecast

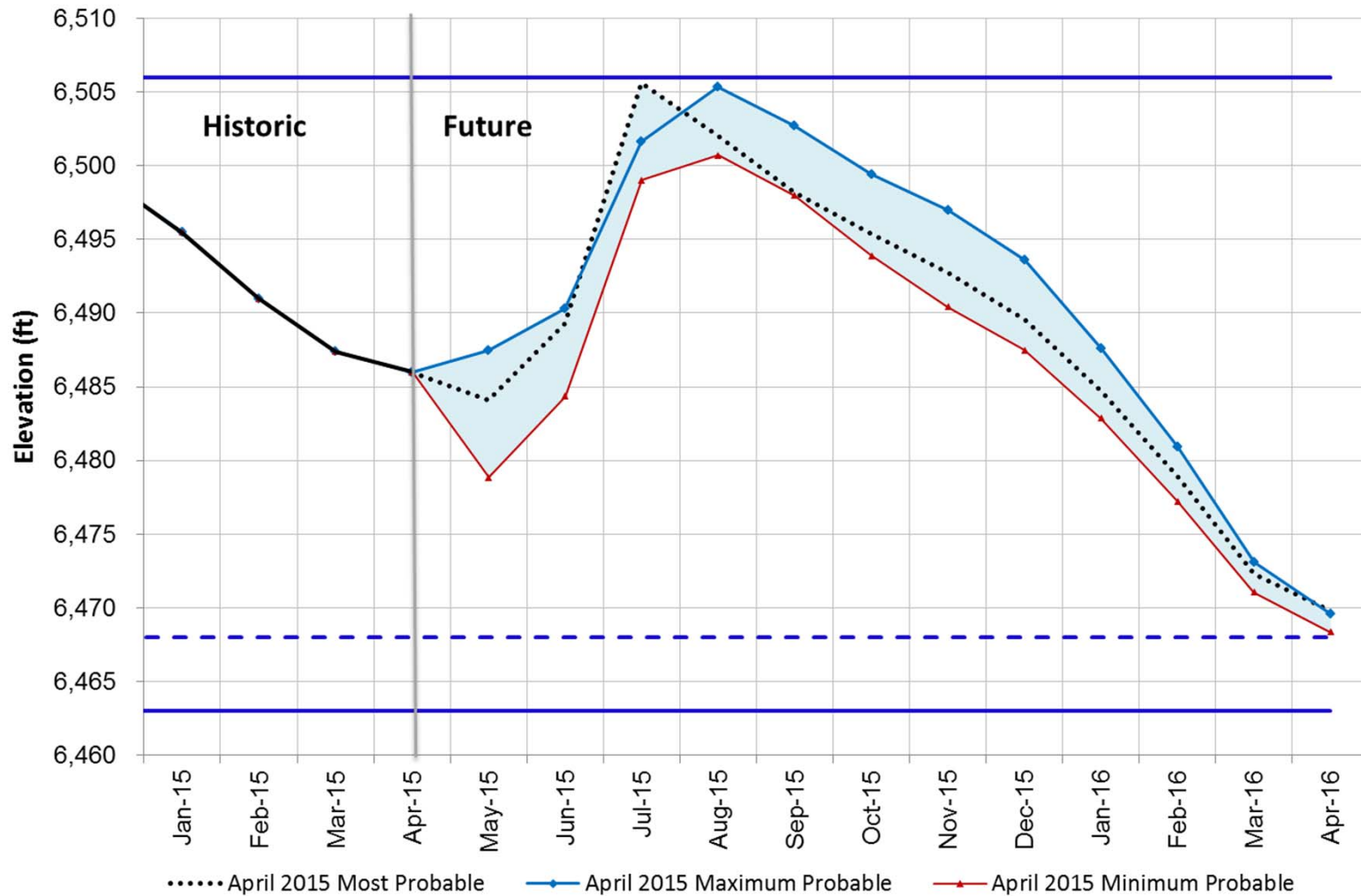


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# Elevation Scenarios

## Fontenelle Reservoir Elevation Scenarios

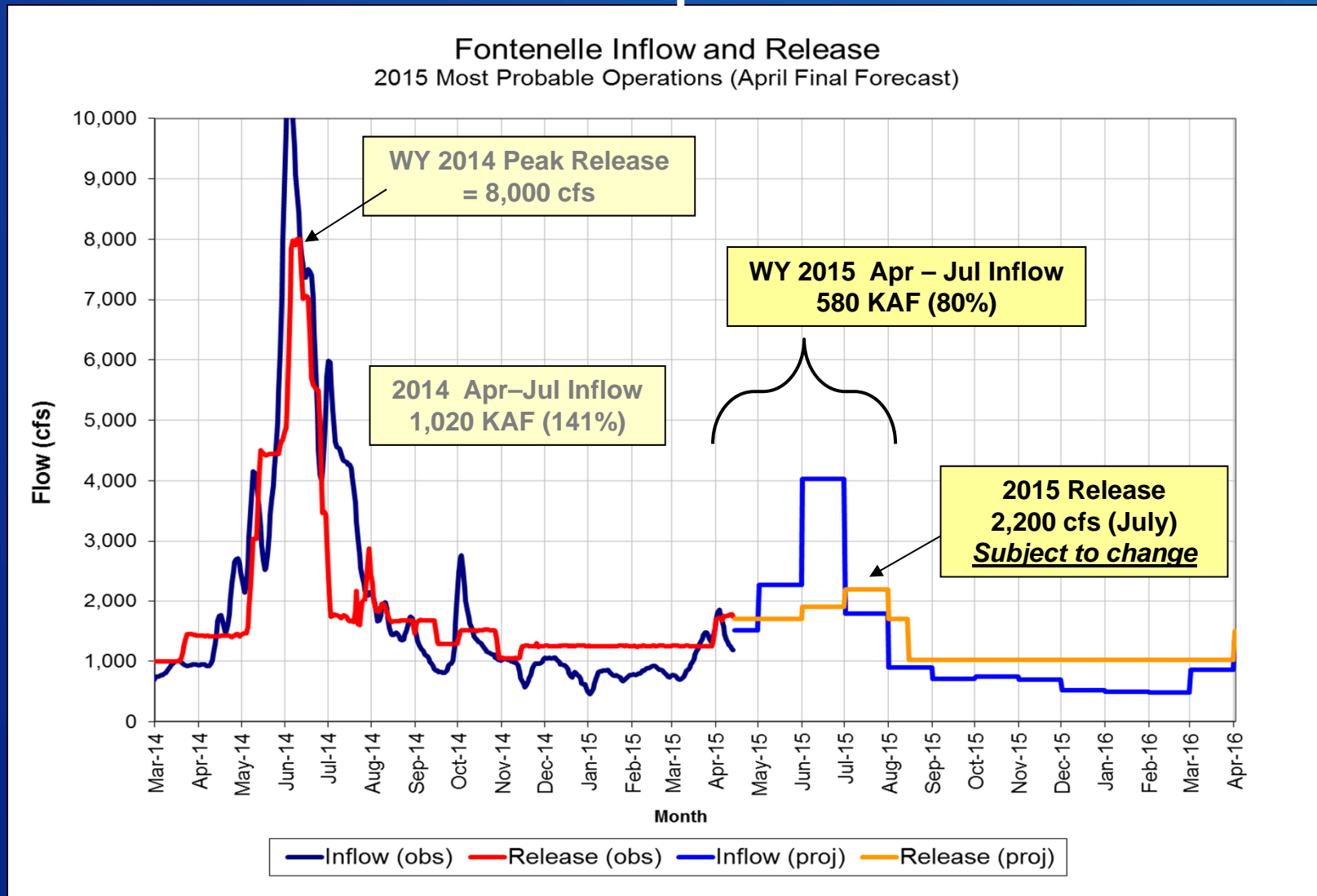
Historic and Projected based on April MIN/MOST/MAX Forecast Inflow Projections



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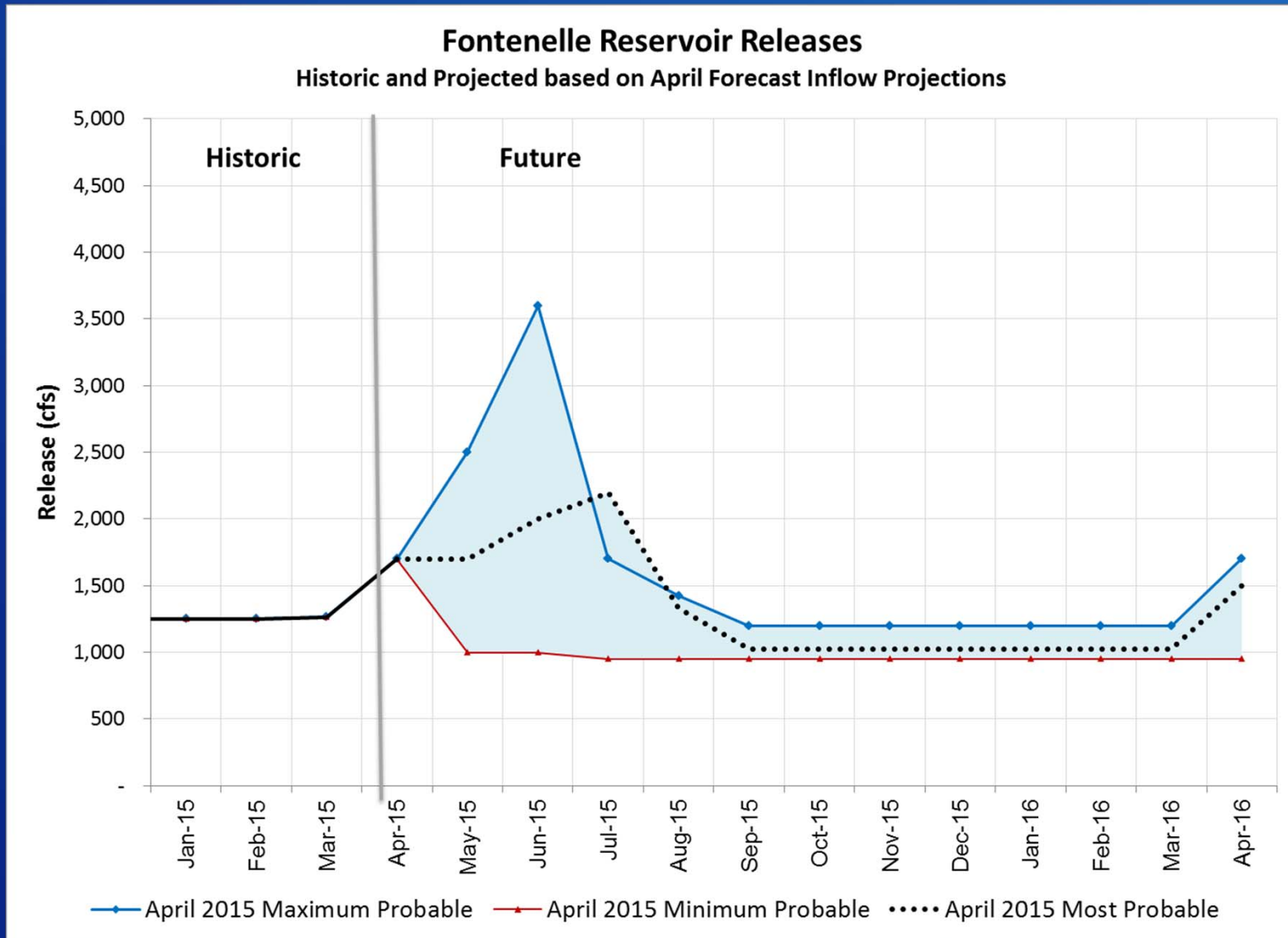
# Projected Inflow and Release

## Based on April Forecast



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# Release Scenarios



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# Fontenelle Working Group Meeting April 2015

Questions / Comments ?

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<http://www.usbr.gov/uc/water/crsp/cs/ftd.html>

<http://www.usbr.gov/uc/water/crsp/wg/ft/ftcurrnt.html>



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