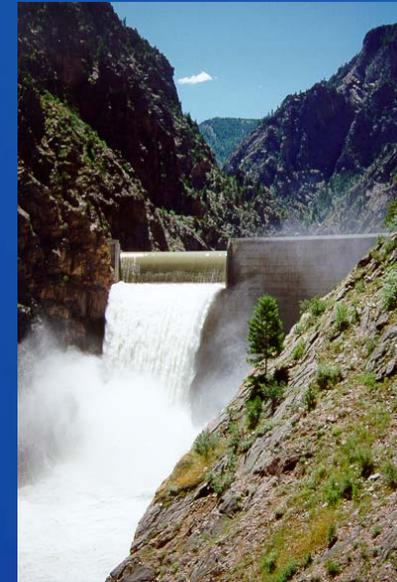
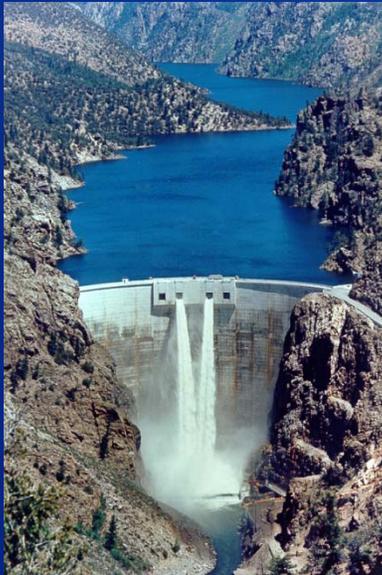


# Aspinall Operations Meeting

September 5, 2013

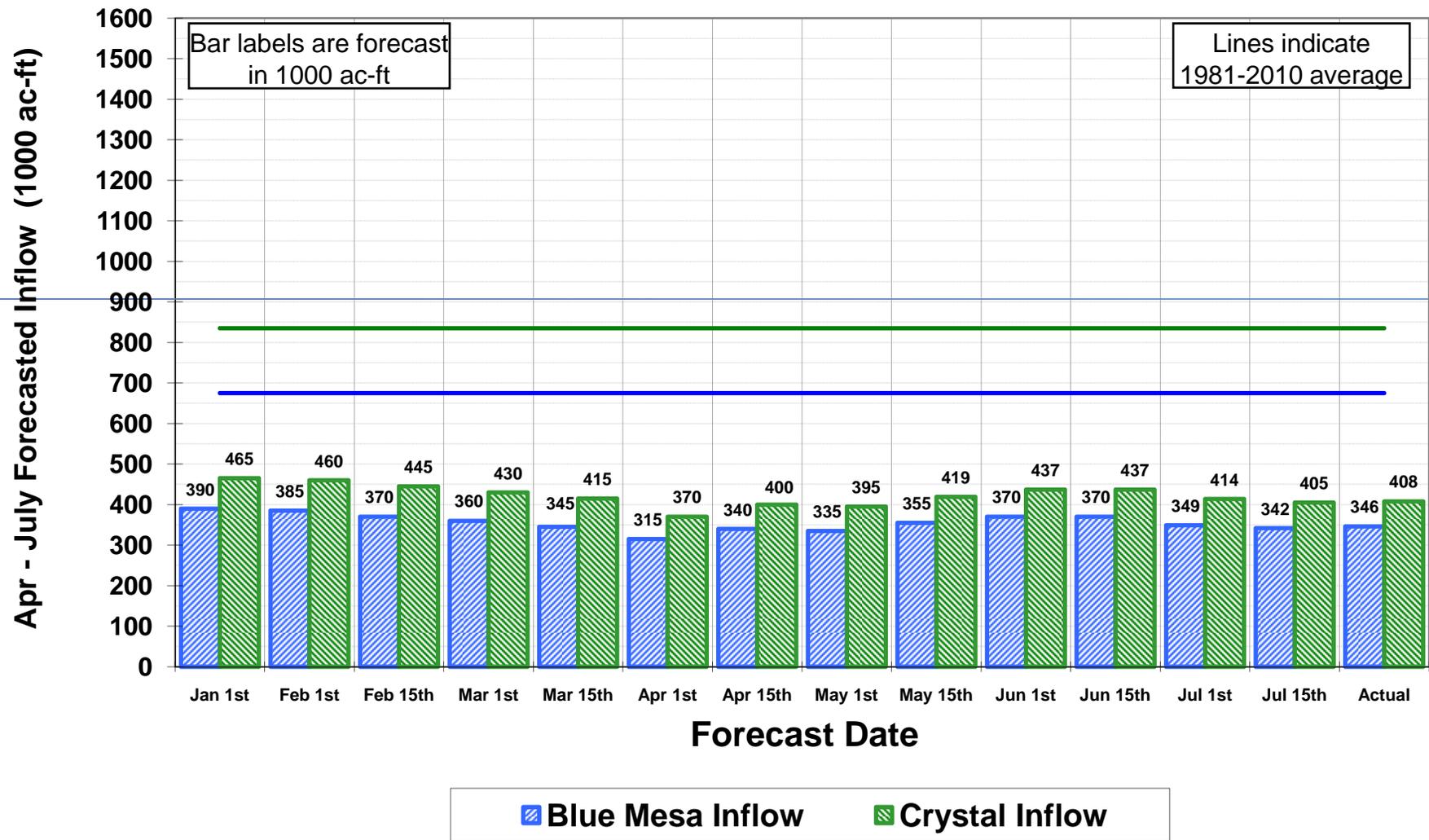


RECLAMATION

# SPRING RUNOFF

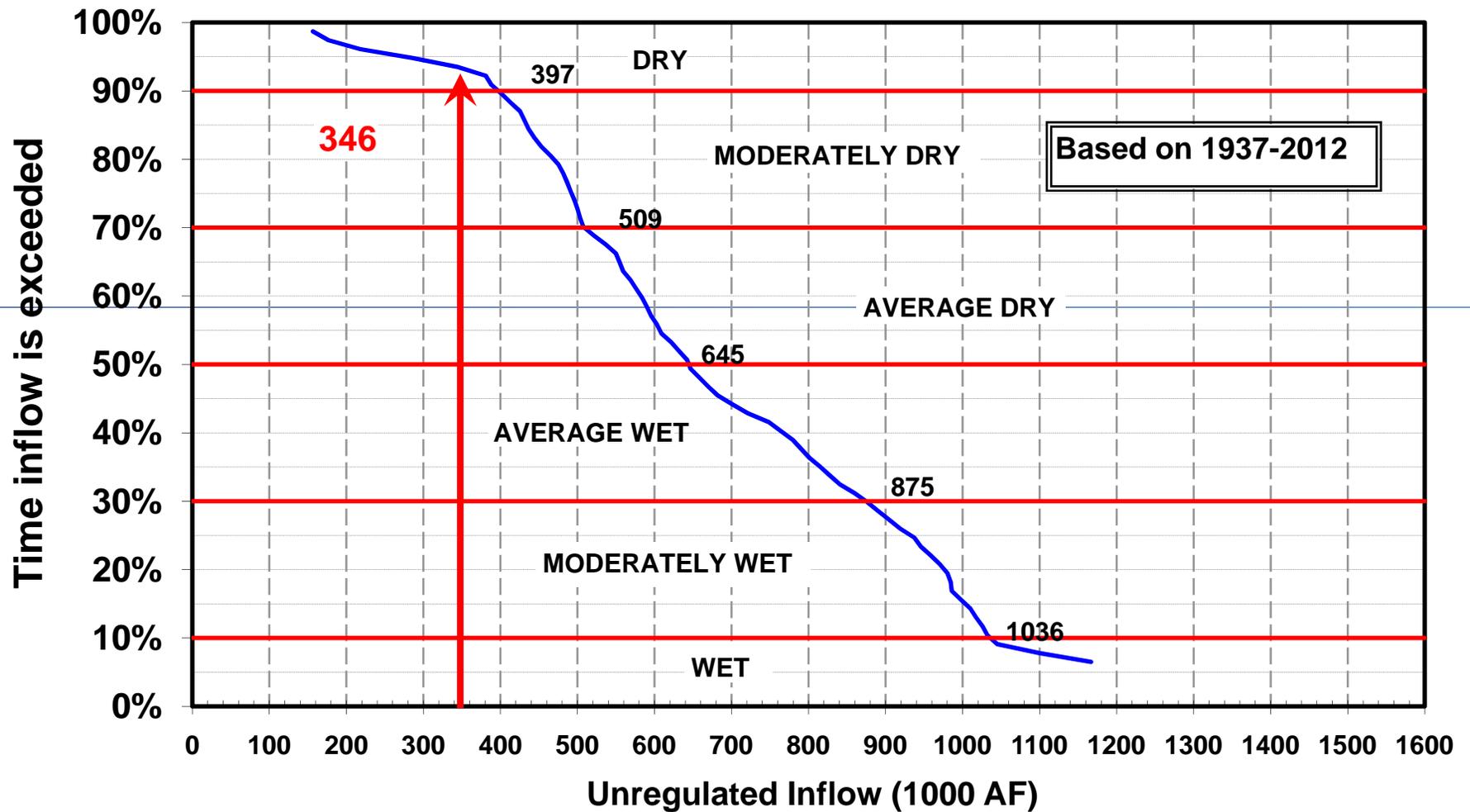
RECLAMATION

## Aspinall Unit Forecasted Unregulated Inflow

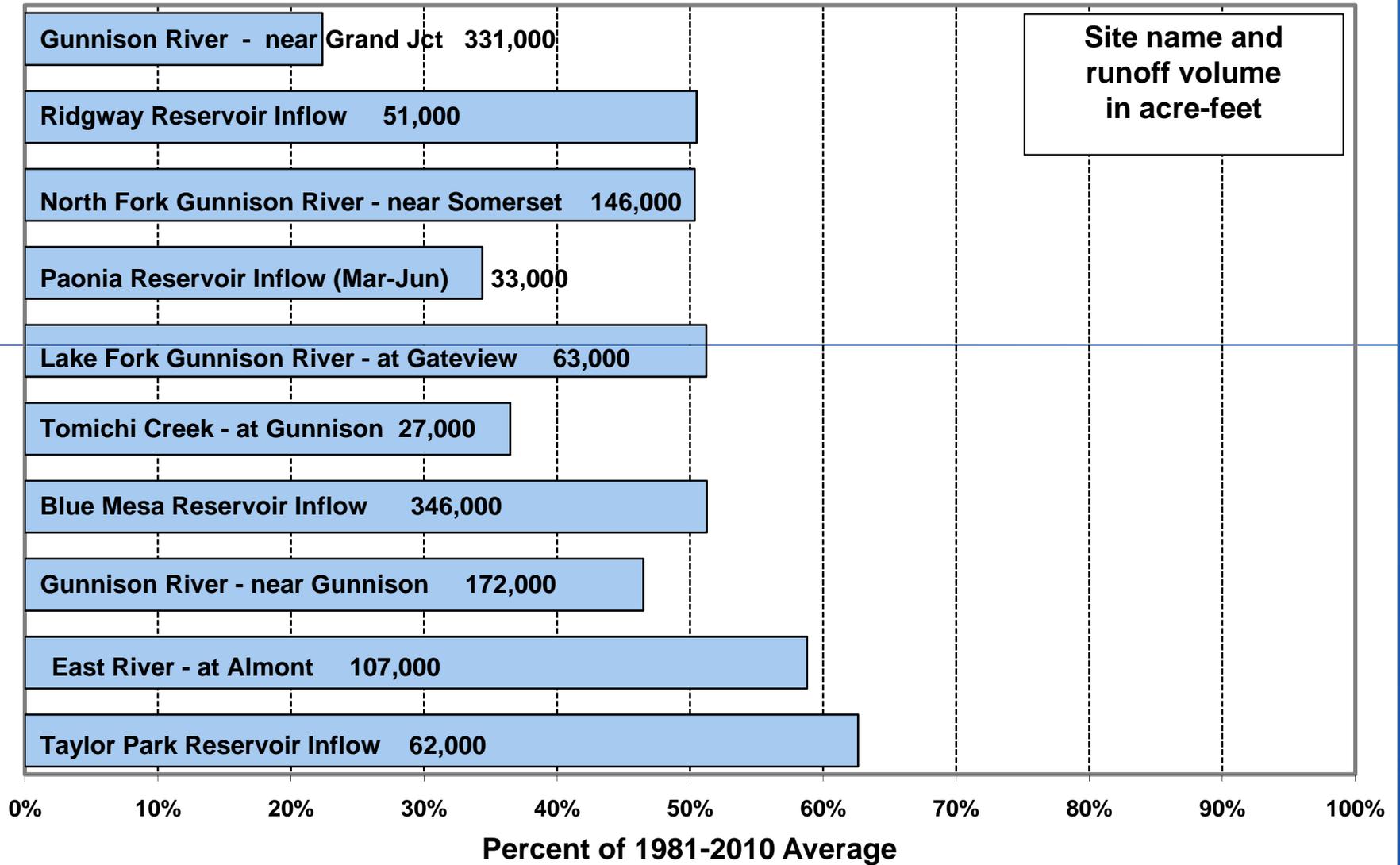


# Blue Mesa Reservoir

## April - July Unregulated Inflow



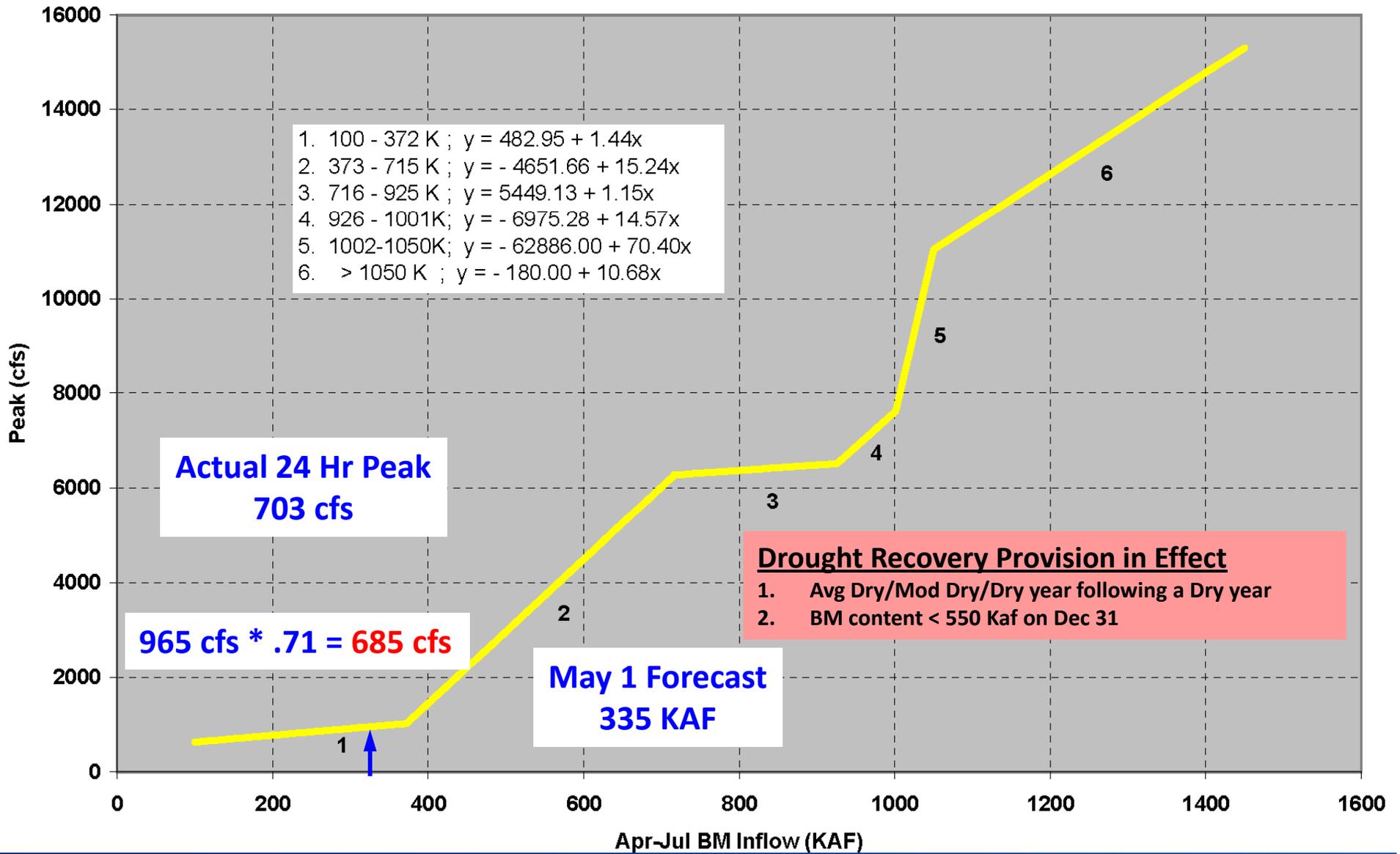
## Actual April-July Runoff



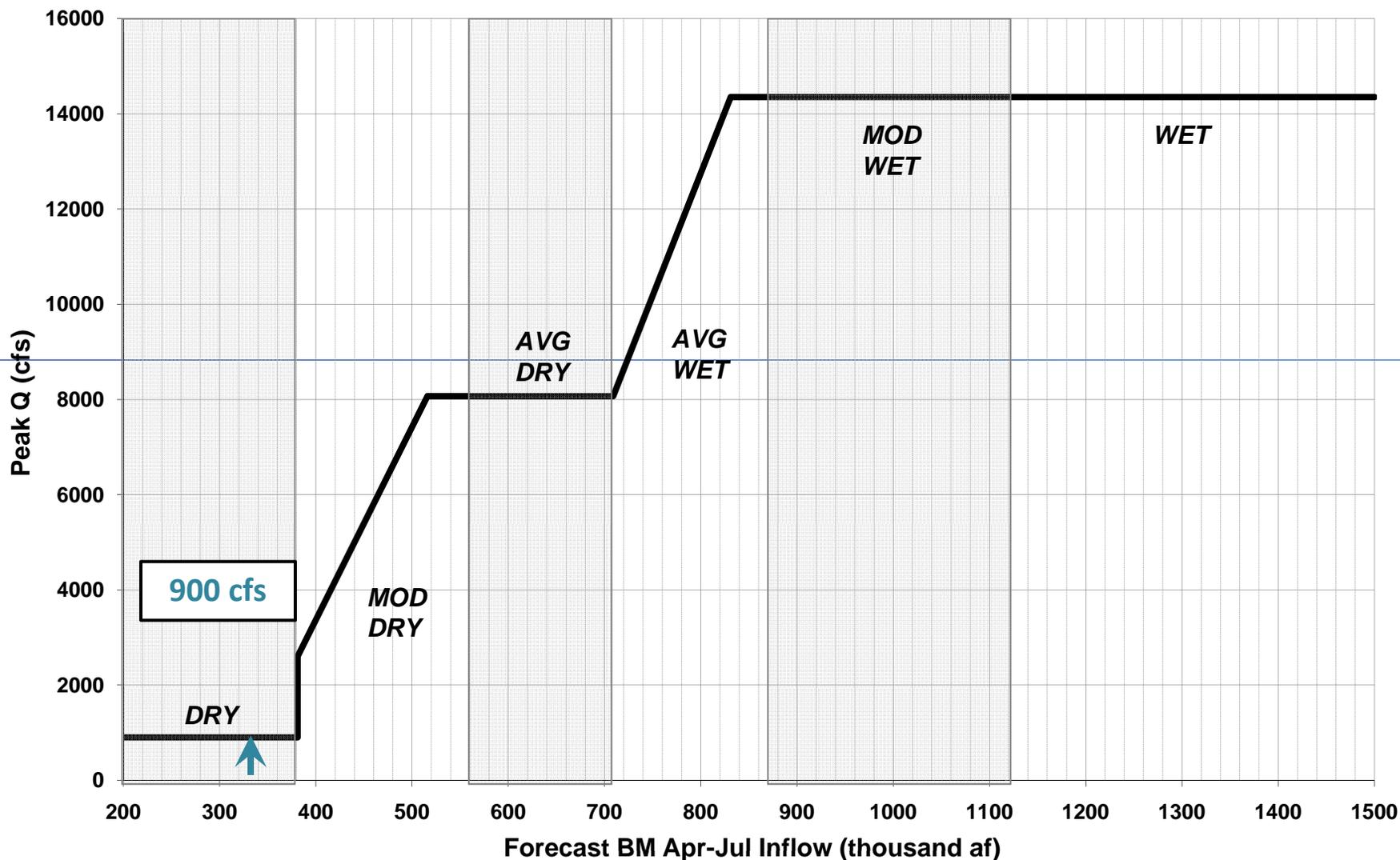
**BLACK CANYON PEAK  
AND LOWER GUNNISON RIVER TARGETS**

**RECLAMATION**

# Black Canyon Peak Flow Determination based on Blue Mesa May 1 forecast



# Peak Flow Target at Whitewater



# Baseflow Targets

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Wet</b>	1050	1050	1050	1050	1050	1500	1500	1500	1050	1050	1050	1050
<b>Mod Wet</b>	1050	1050	1050	1050	1050	1500	1500	1500	1050	1050	1050	1050
<b>Avg Wet</b>	1050	1050	1050	1050	1050	1500	1500	1050	1050	1050	1050	1050
<b>Avg Dry</b>	1050	1050	1050	1050	1050	1500	1500	1050	1050	1050	1050	1050
<b>Mod Dry*</b>	750	750	750/790	750/890	750/890	1050	1050	1050	750/890	750/790	750/790	750
<b>Dry*</b>	750	750	750/790	750/890	750/890	1050	1050	750/890	750/890	750/790	750/790	750

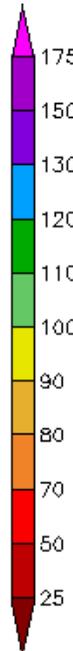
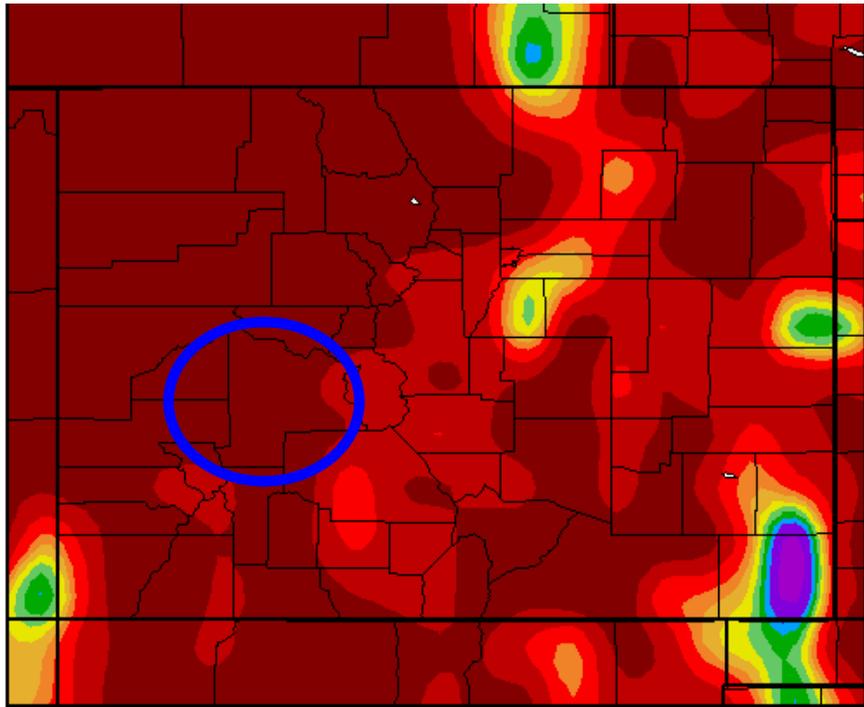
\*During March through November in Moderately Dry and Dry type years, additional releases will be made as necessary to provide flows above the 750 cfs anticipated to be diverted by the Redlands Water and Power Company, for the fish ladder and fish screen as shown.

## Drought Rules

- During Dry and Moderately Dry years, if Blue Mesa Reservoir content drops below 600,000 af, the Whitewater baseflow target is reduced from 1050 cfs to 900 cfs until Blue Mesa Reservoir content exceeds 600,000 af

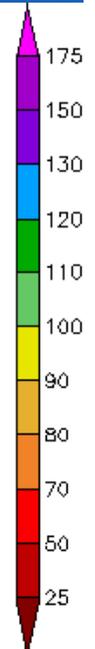
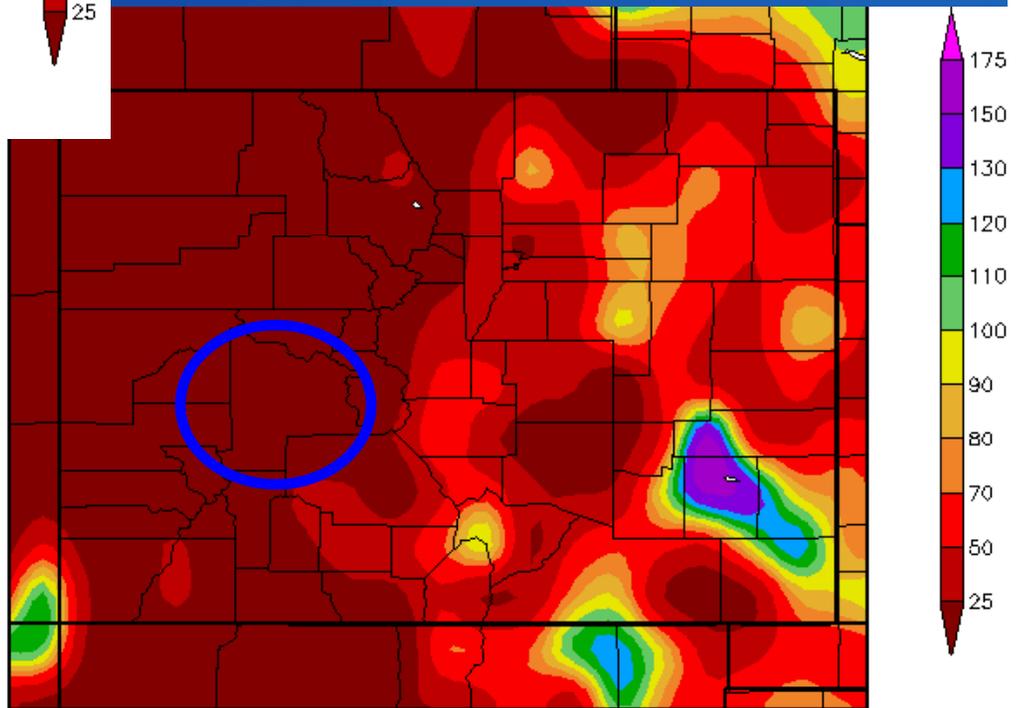
SPRING/SUMMER CONDITIONS

RECLAMATION



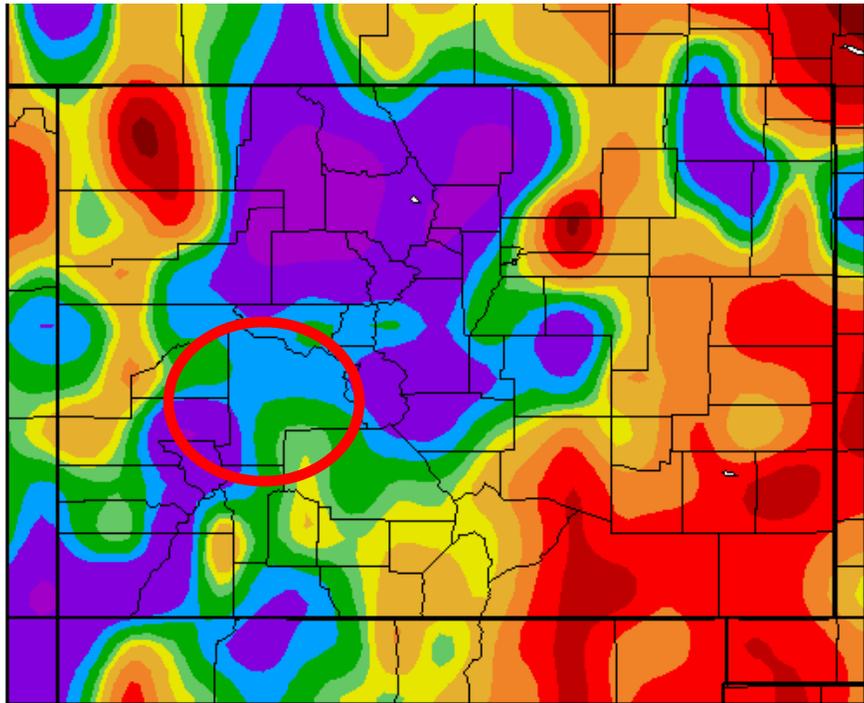
**% of Average  
Precipitation**

**JUNE 2013**

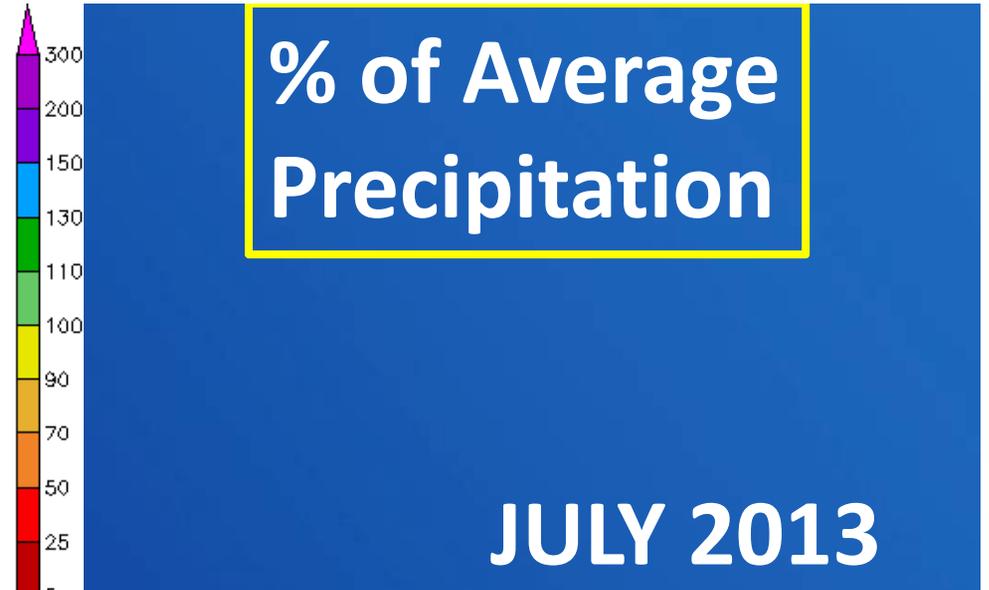


**JUNE 2012**

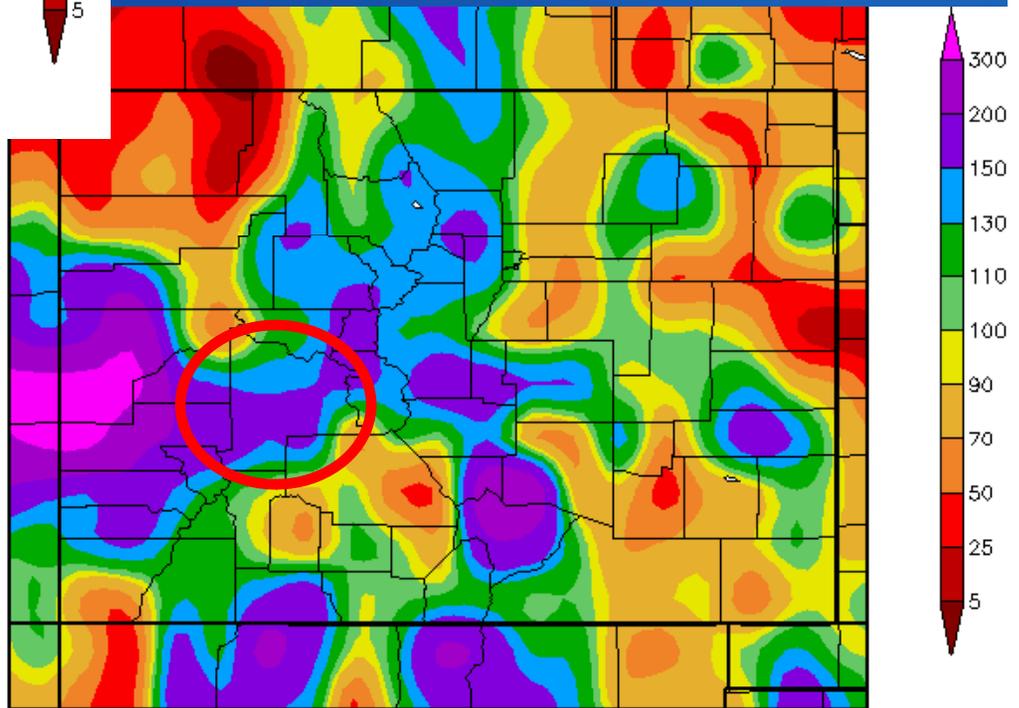
**RECLAMATION**



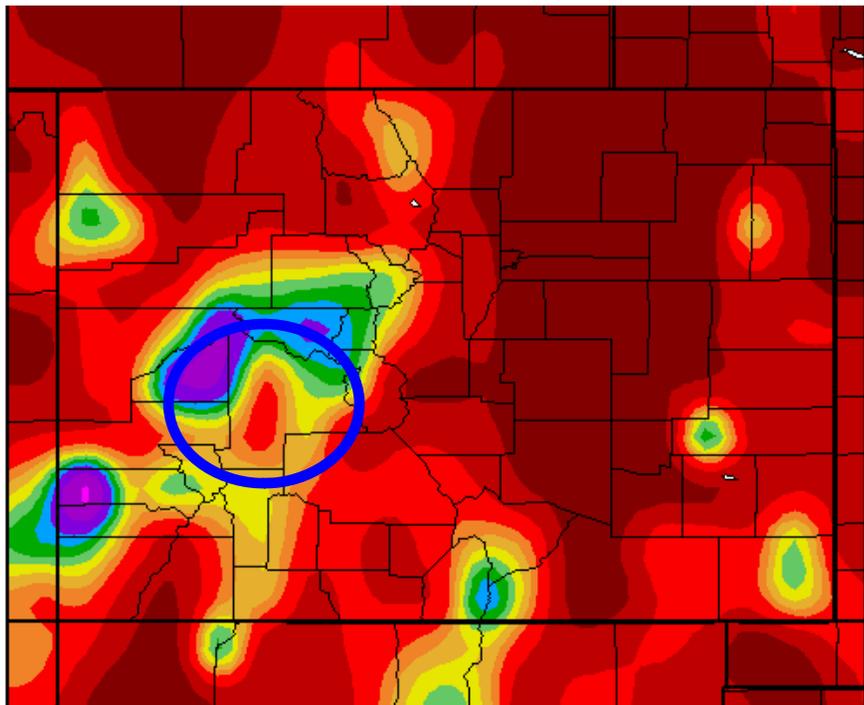
**JULY 2012**



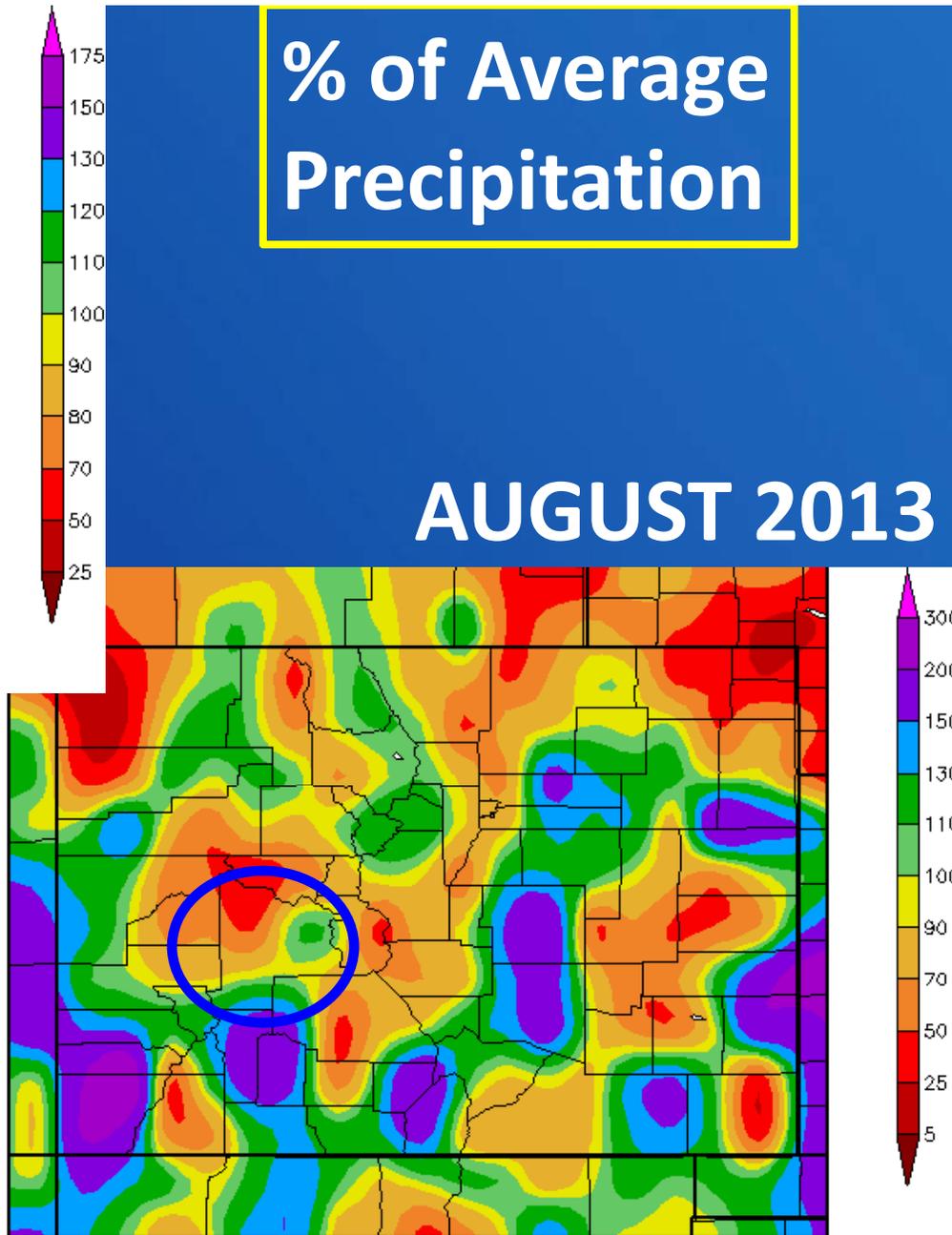
**JULY 2013**



**RECLAMATION**



**AUGUST 2012**

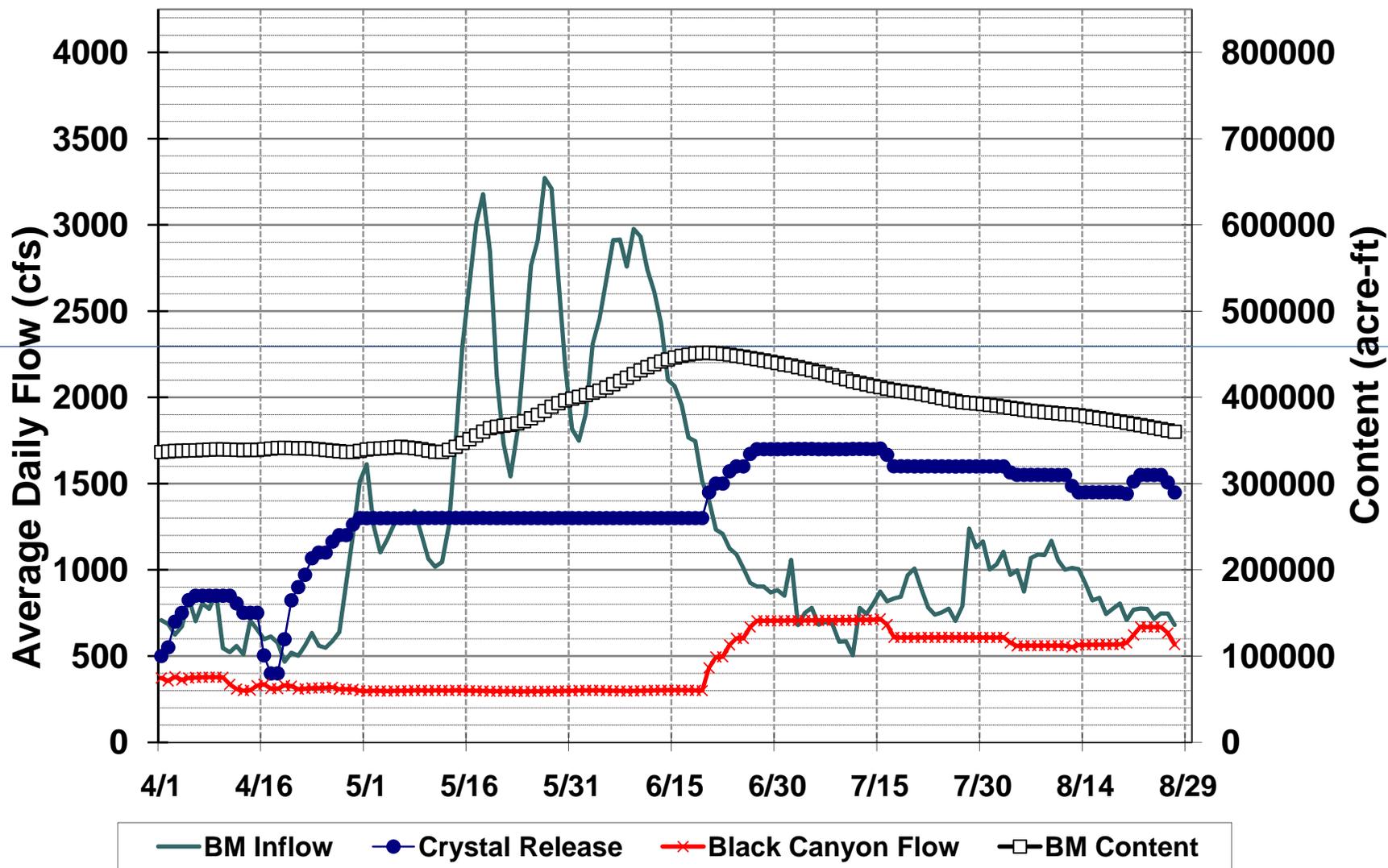


**% of Average  
Precipitation**

**AUGUST 2013**

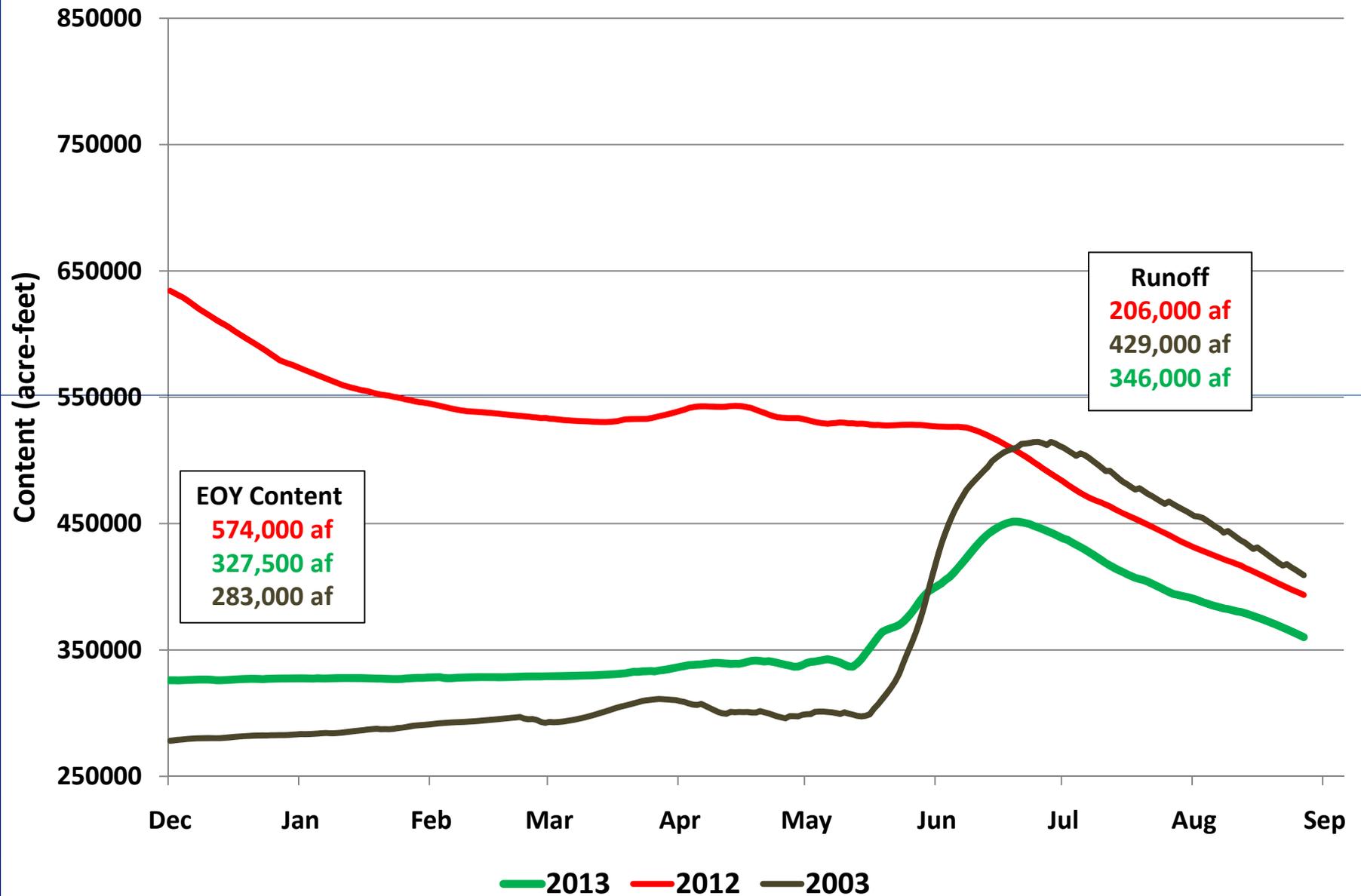
**RECLAMATION**

# April - August



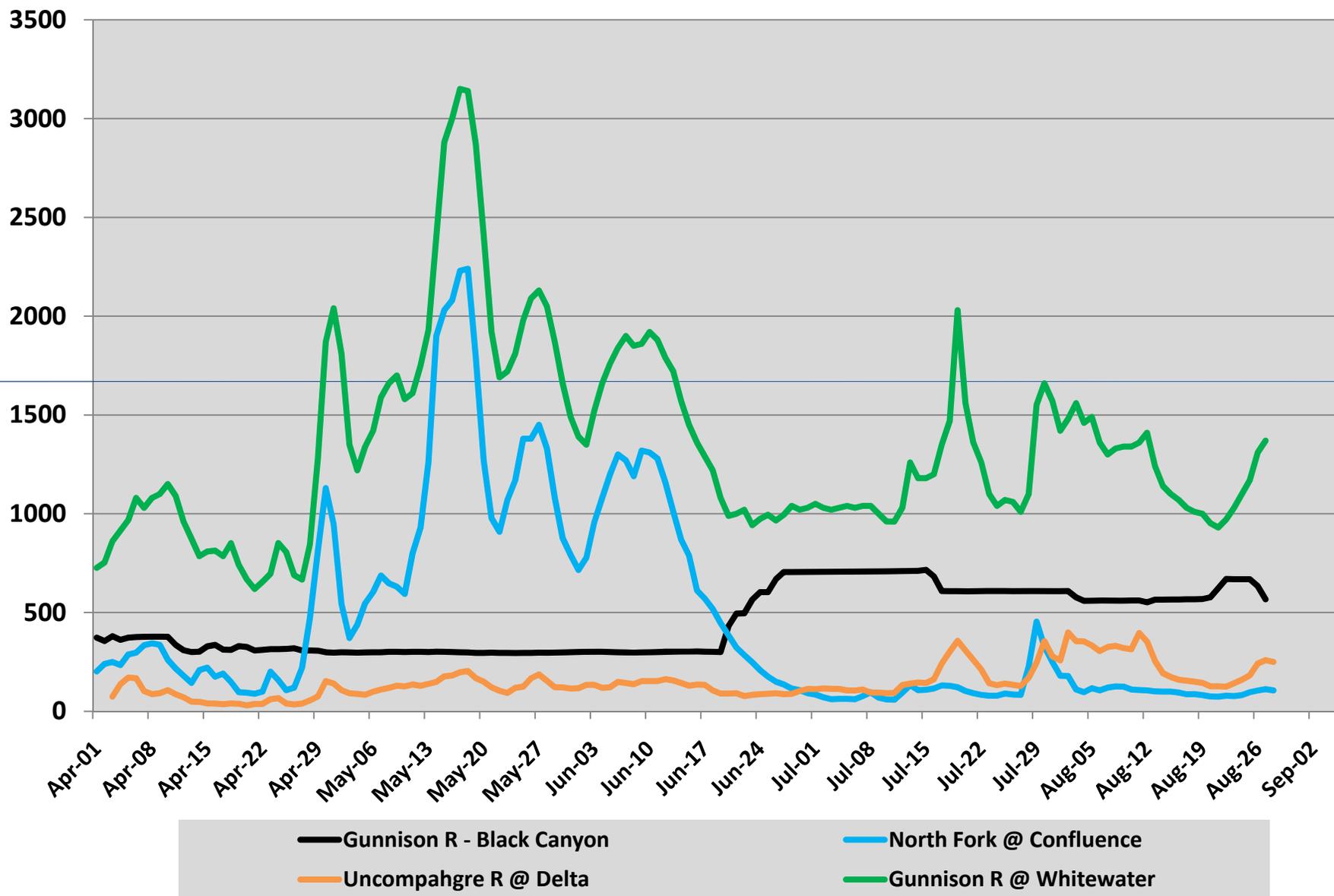
RECLAMATION

# Blue Mesa Content

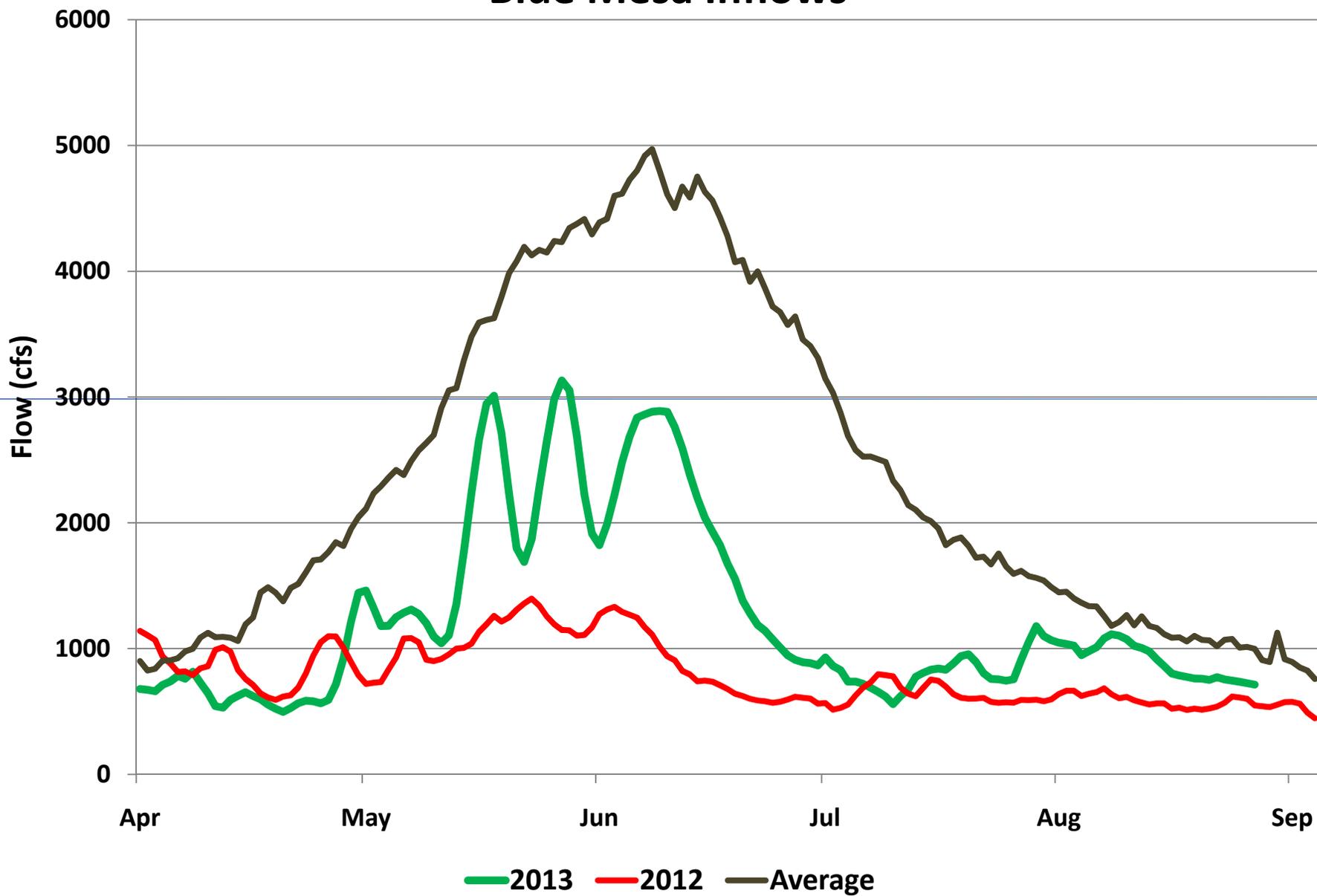


RECLAMATION

# Gunnison River Flows

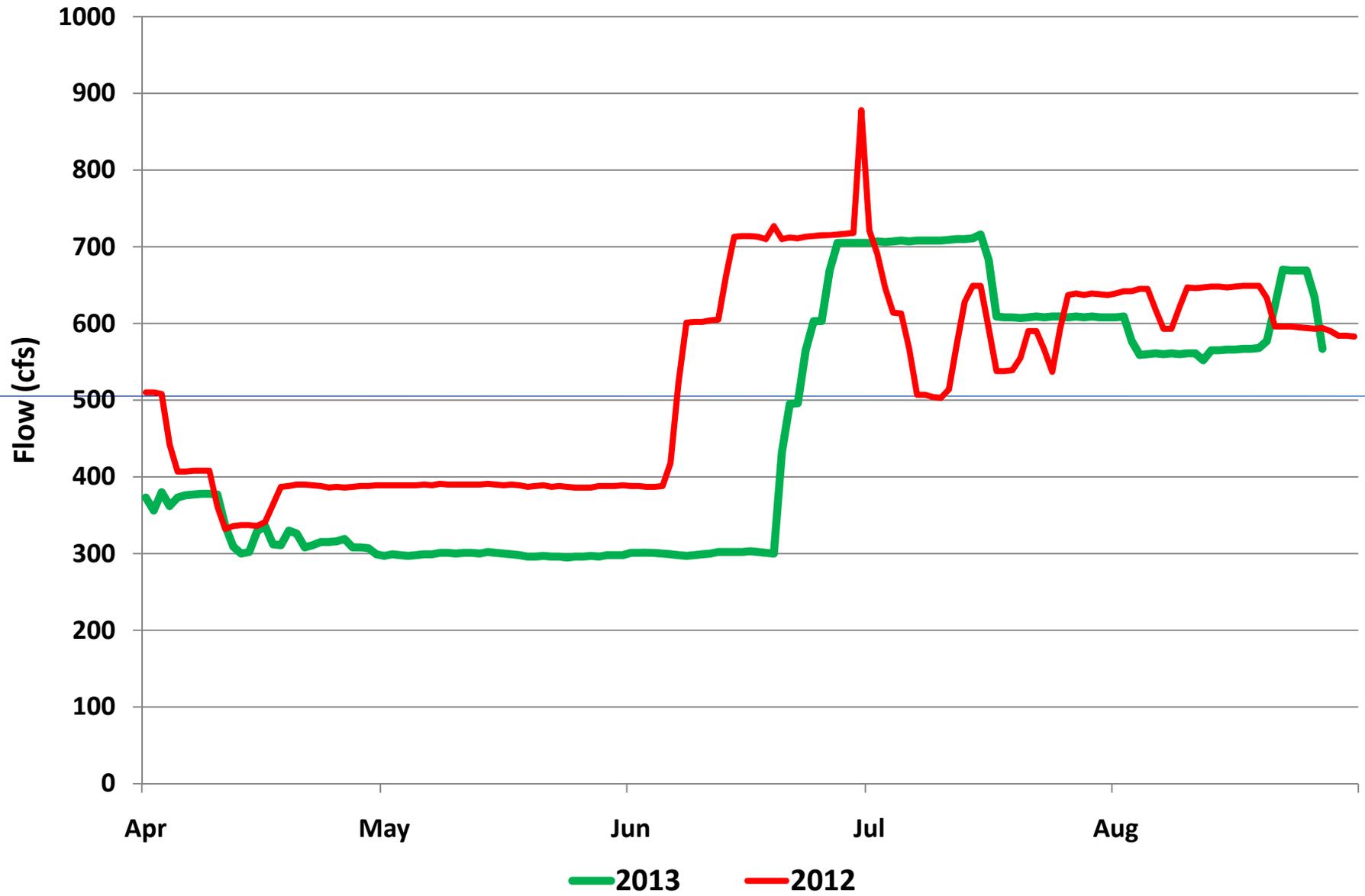


# Blue Mesa Inflows



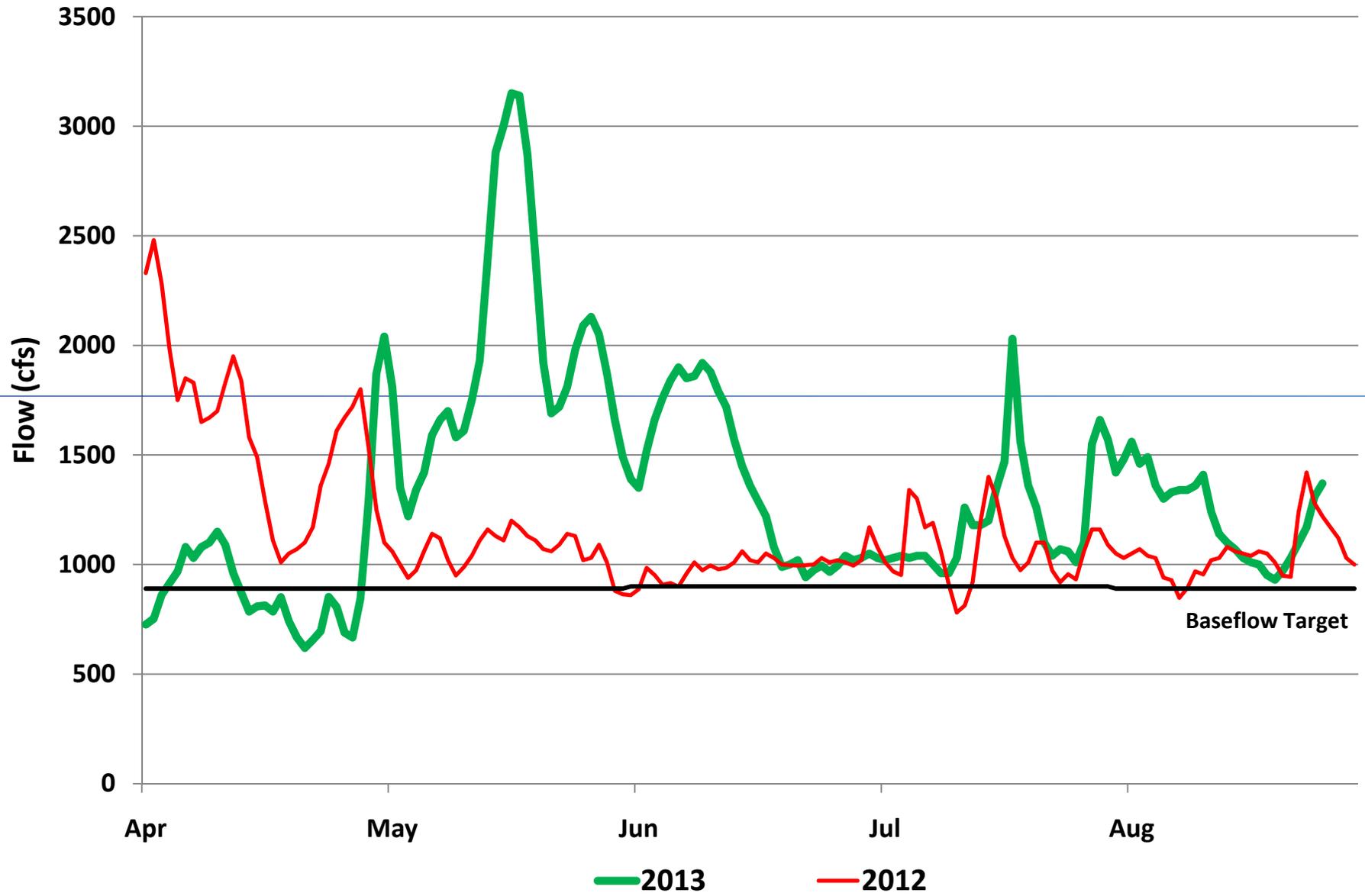
RECLAMATION

# Black Canyon Flows



RECLAMATION

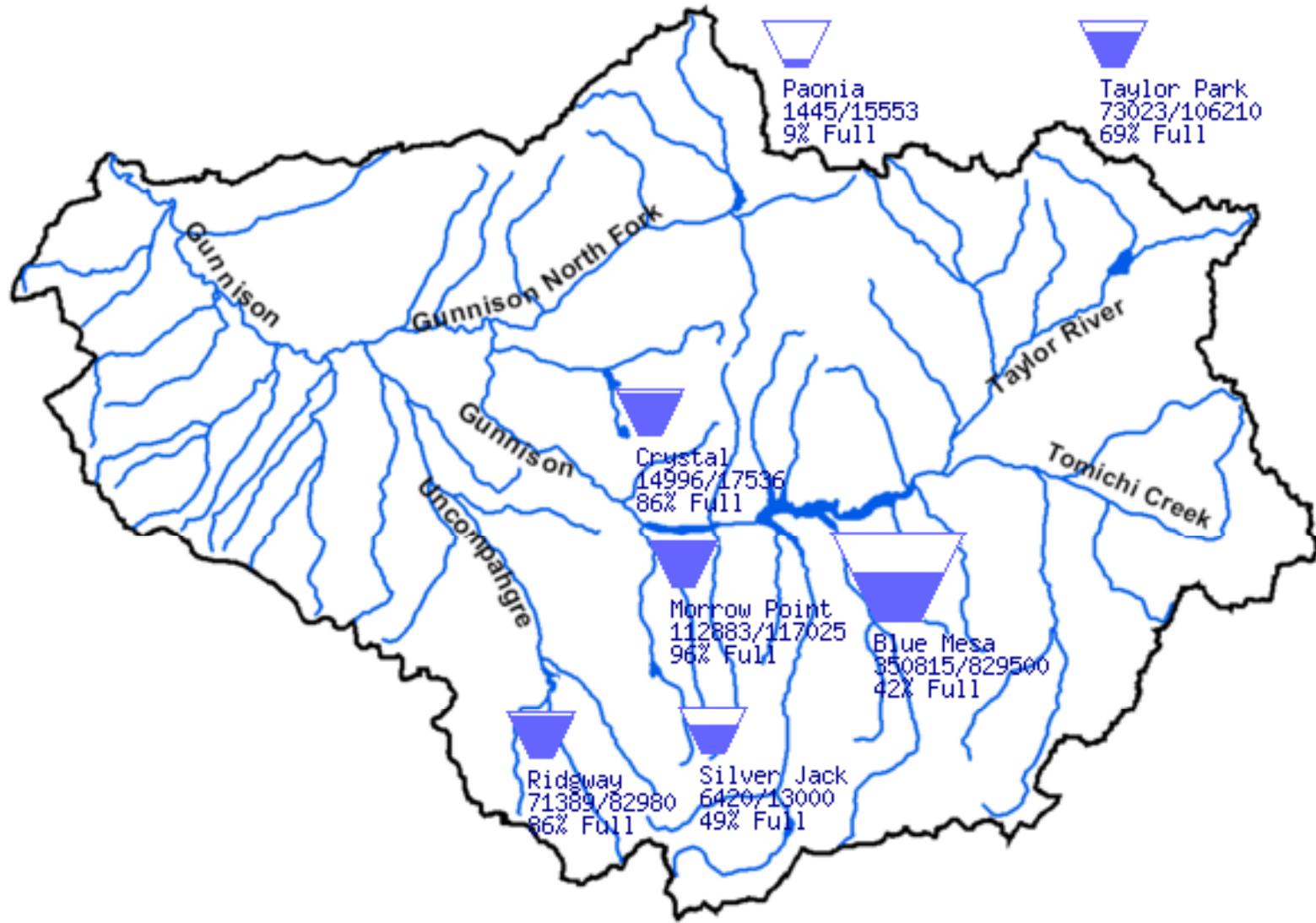
# Gunnison R @ Whitewater Flows



RECLAMATION

Data Current as of:  
09/03/2013

### Gunnison River Basin, CO

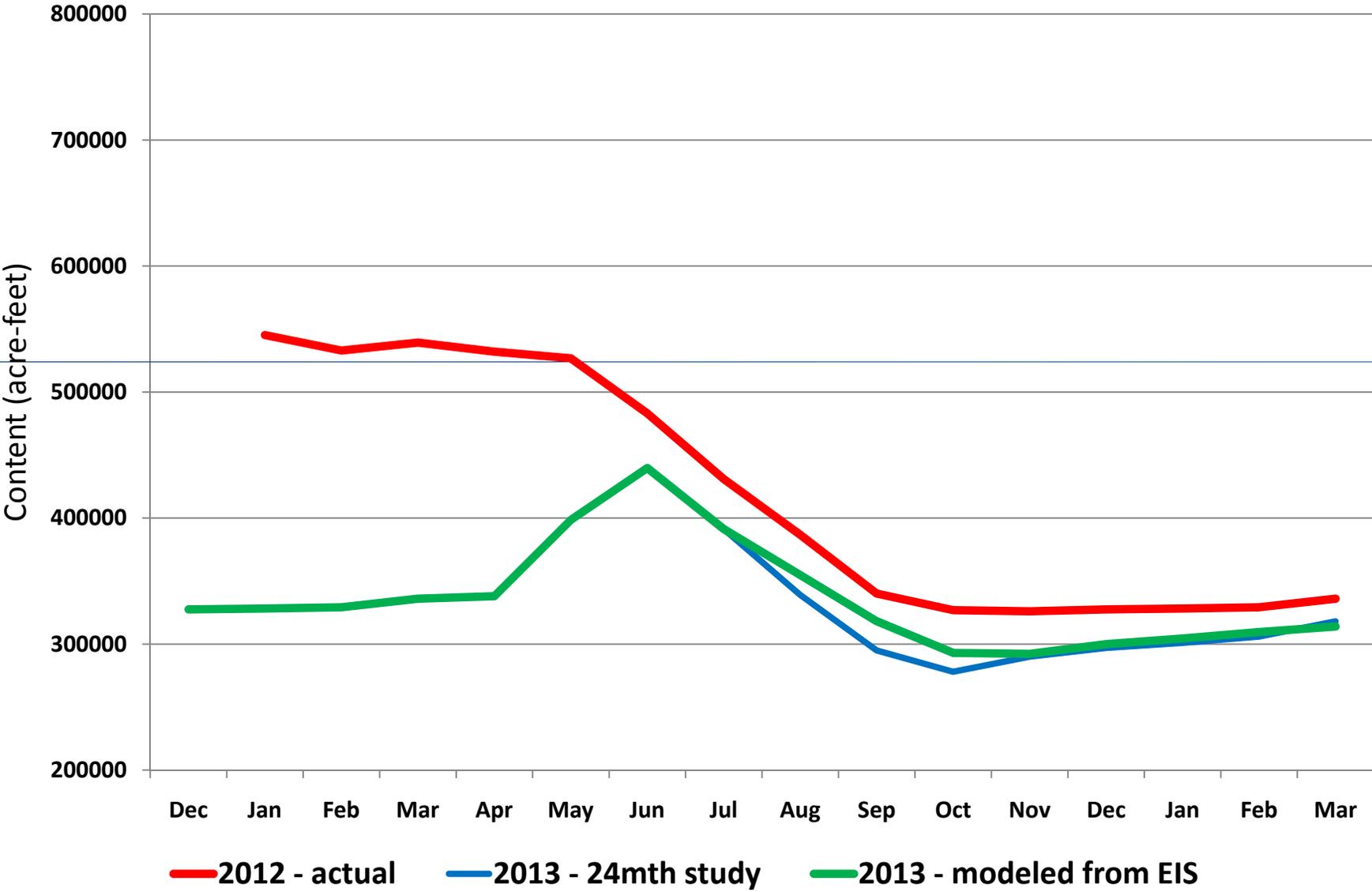


# RECLAMATION

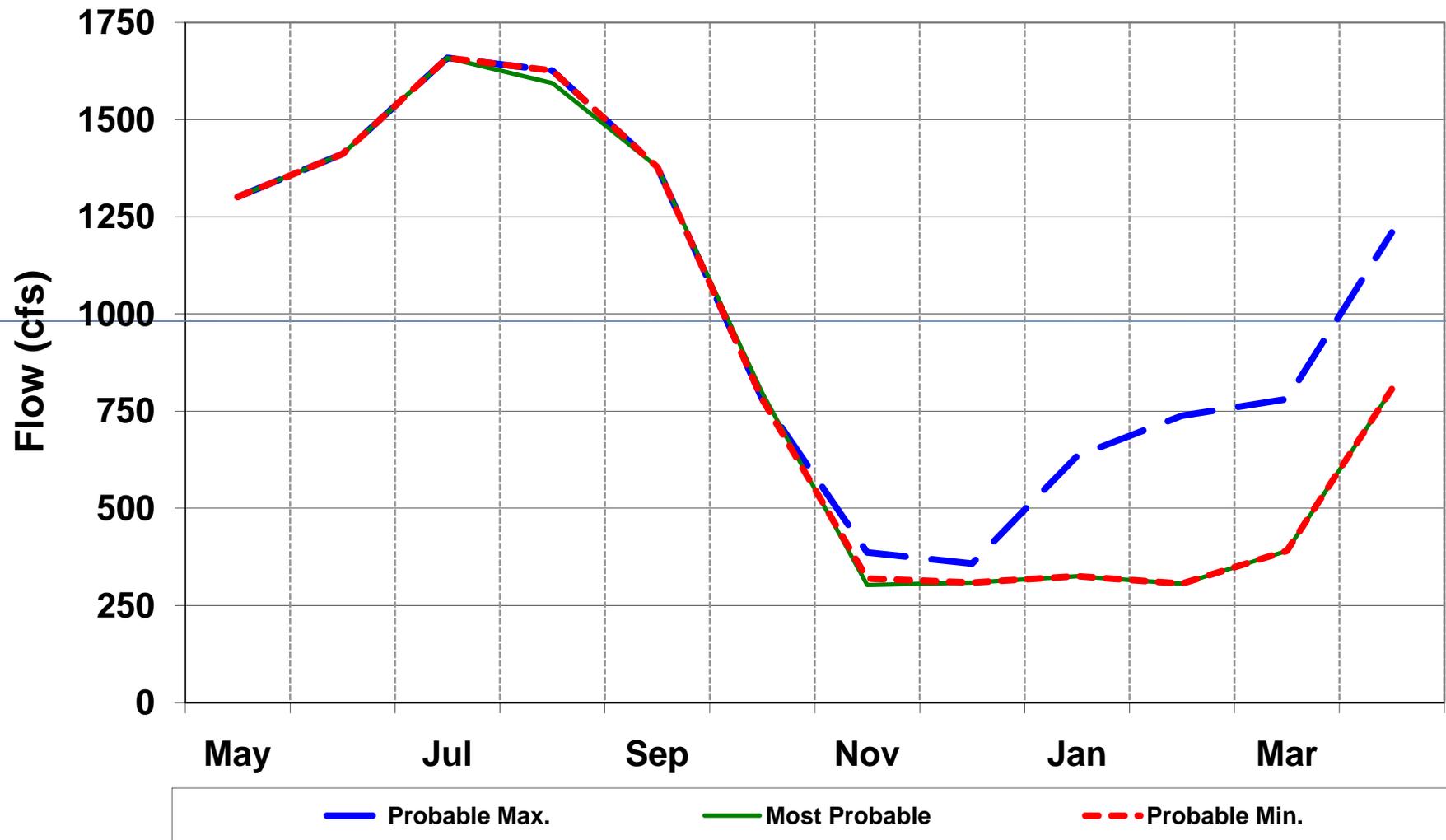
# 24 MONTH STUDY

RECLAMATION

# BLUE MESA End of Month Content

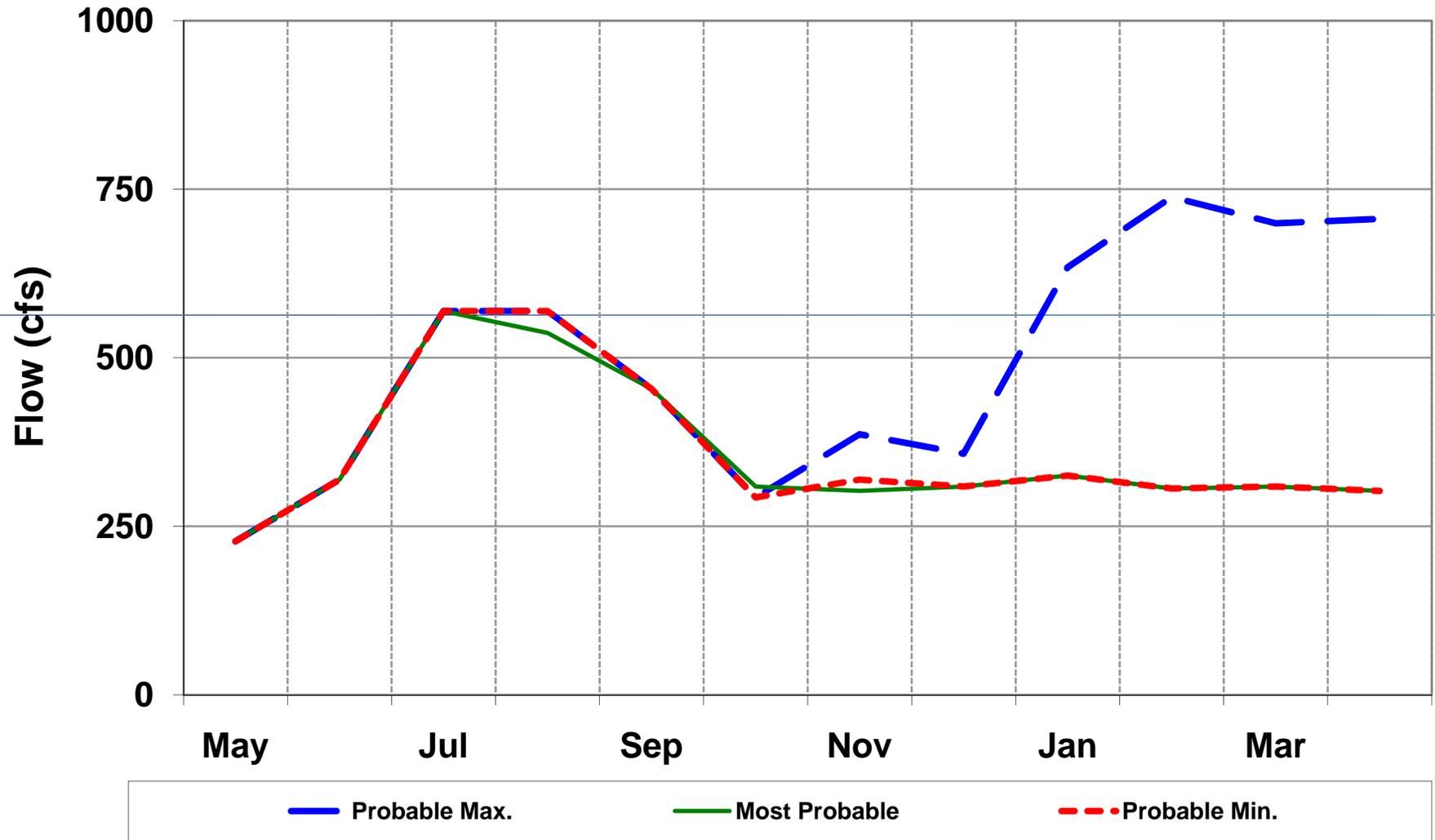


# Crystal Release Monthly Average



RECLAMATION

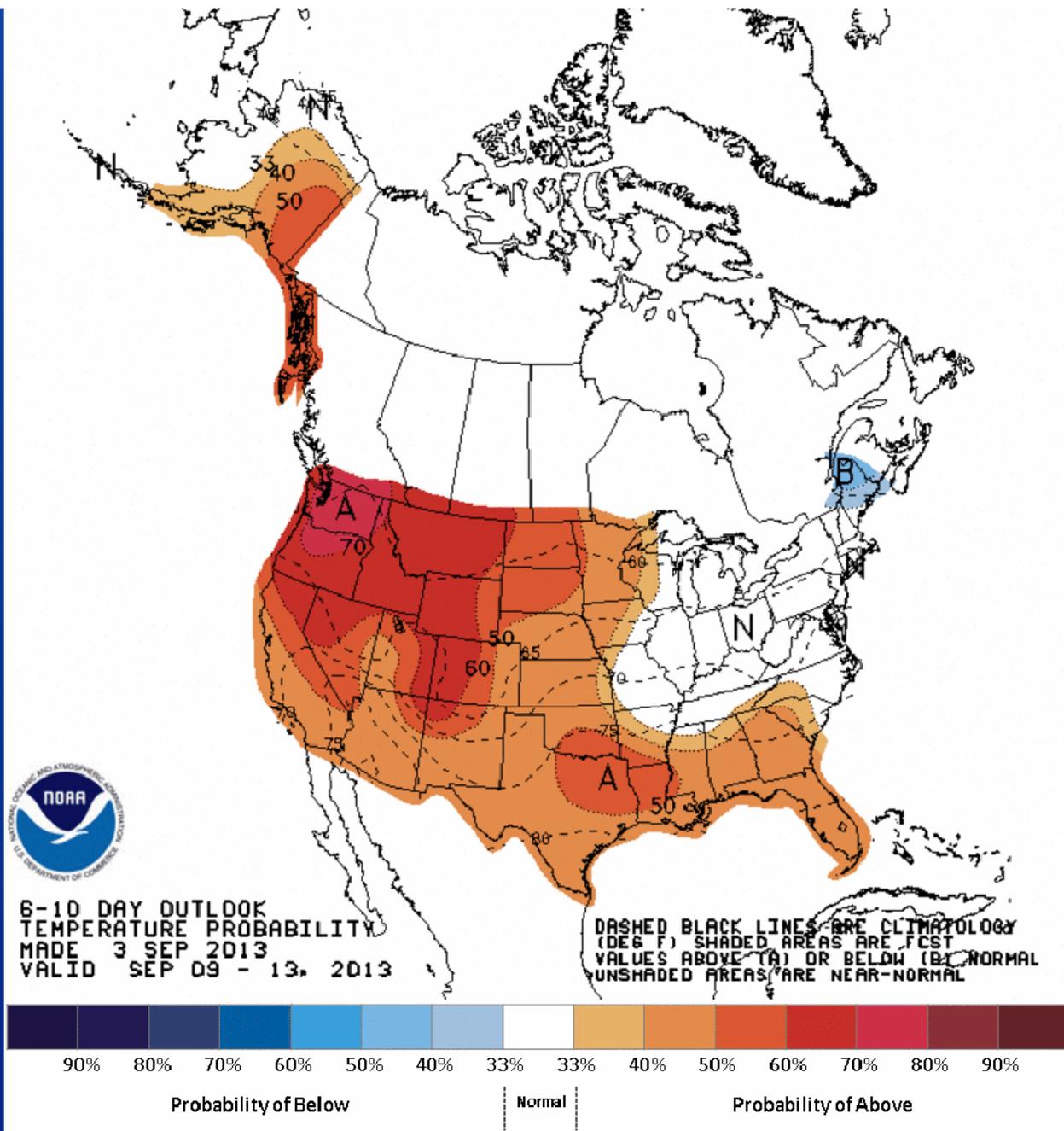
# Black Canyon Monthly Average



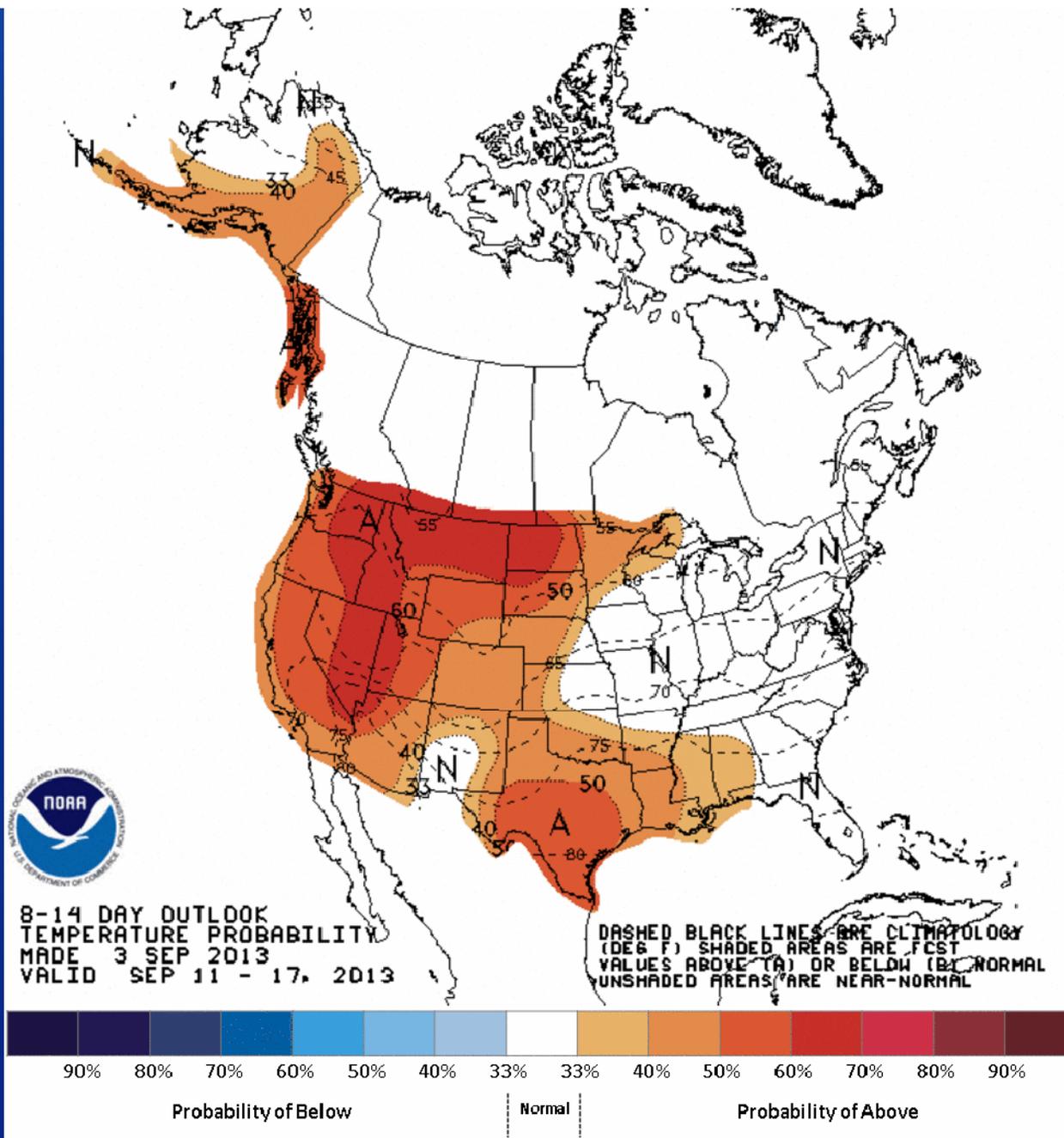
RECLAMATION

# WEATHER FORECASTS

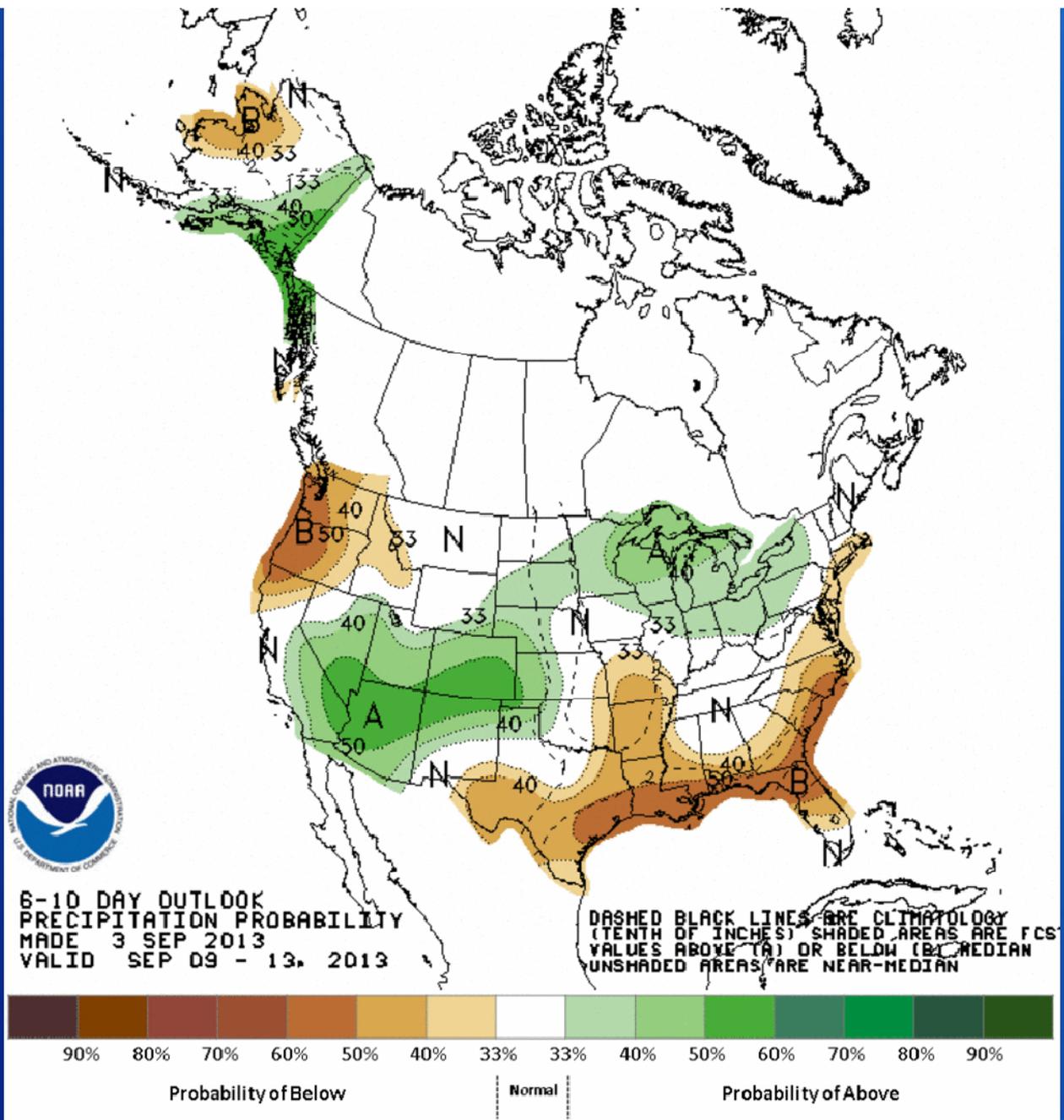
RECLAMATION



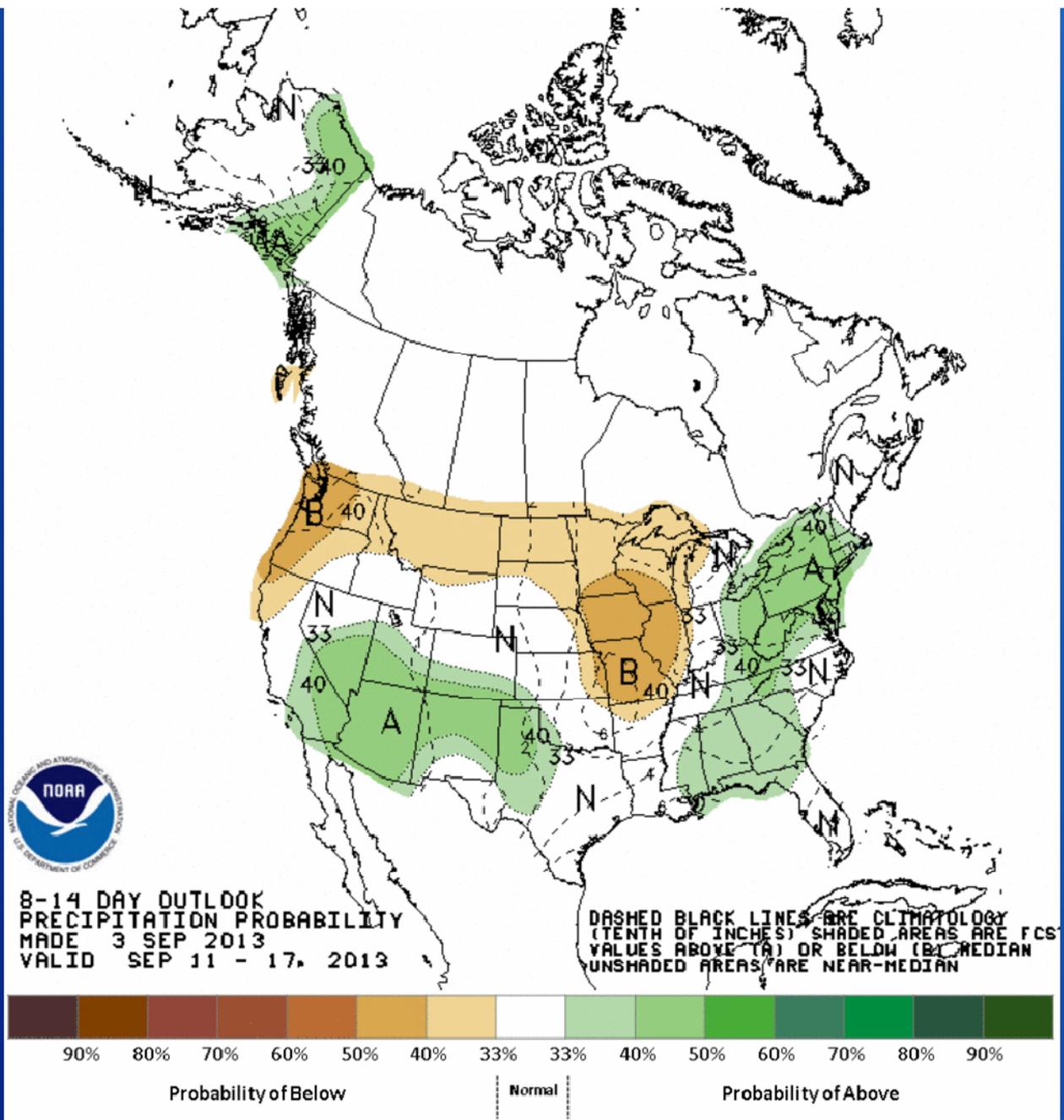
# RECLAMATION



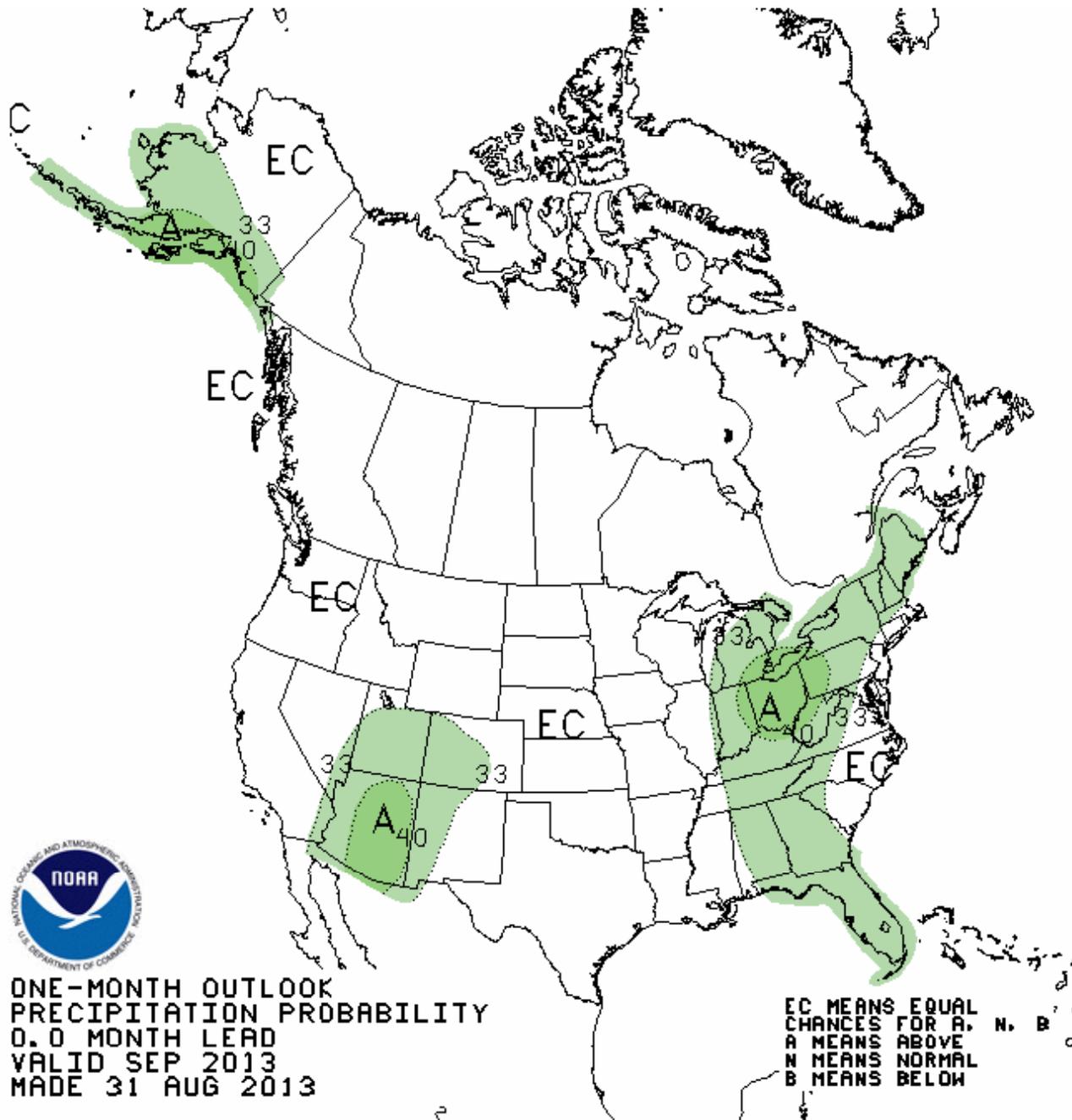
RECLAMATION



RECLAMATION

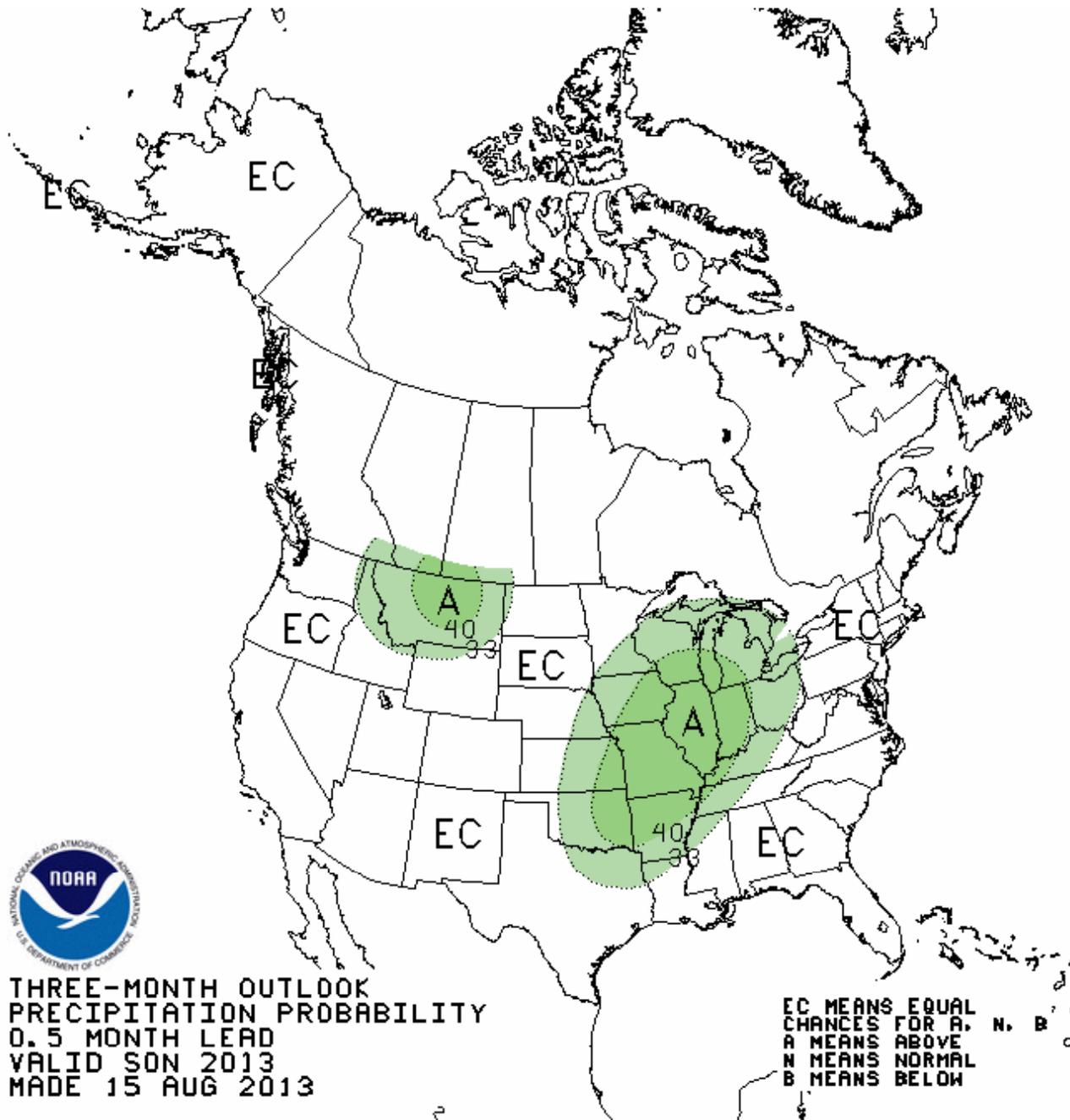


RECLAMATION



ONE-MONTH OUTLOOK  
 PRECIPITATION PROBABILITY  
 0.0 MONTH LEAD  
 VALID SEP 2013  
 MADE 31 AUG 2013

RECLAMATION



THREE-MONTH OUTLOOK  
 PRECIPITATION PROBABILITY  
 0.5 MONTH LEAD  
 VALID SON 2013  
 MADE 15 AUG 2013

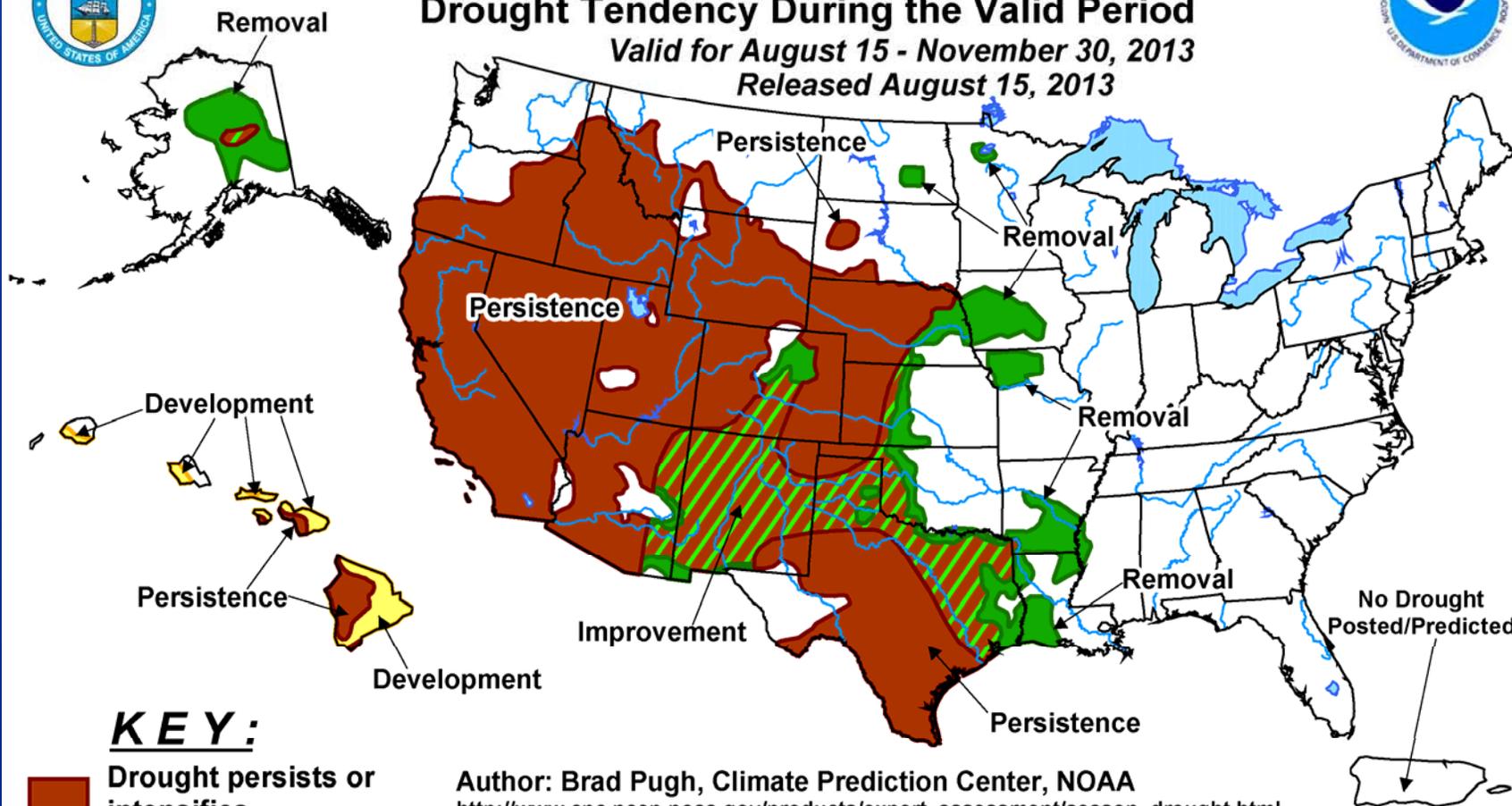
# RECLAMATION



# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for August 15 - November 30, 2013  
Released August 15, 2013



### KEY:

-  Drought persists or intensifies
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely

Author: Brad Pugh, Climate Prediction Center, NOAA  
[http://www.cpc.ncep.noaa.gov/products/expert\\_assessment/season\\_drought.html](http://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.html)

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor.

NOTE: The Green and Brown hatched areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period although drought will remain. The Green areas imply drought removal by the end of the period (D0 or none)

# RECLAMATION



<http://www.usbr.gov/uc/wcao/water/rsvrs/mtgs/amcurrnt.html>

RECLAMATION