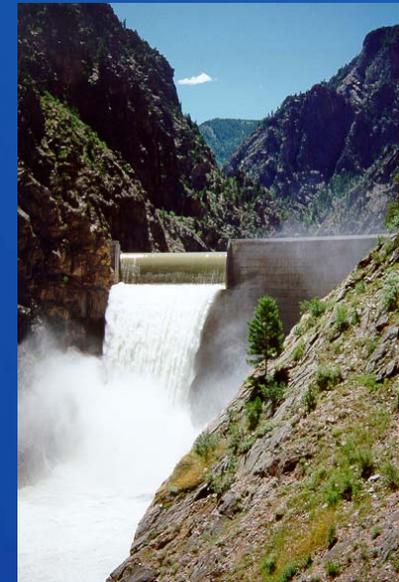
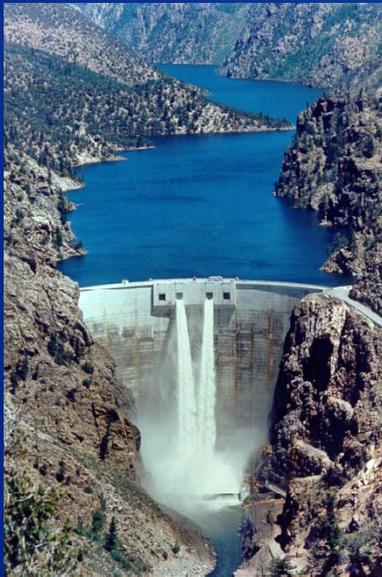


# Aspinall Operations Meeting

January 23, 2014



RECLAMATION

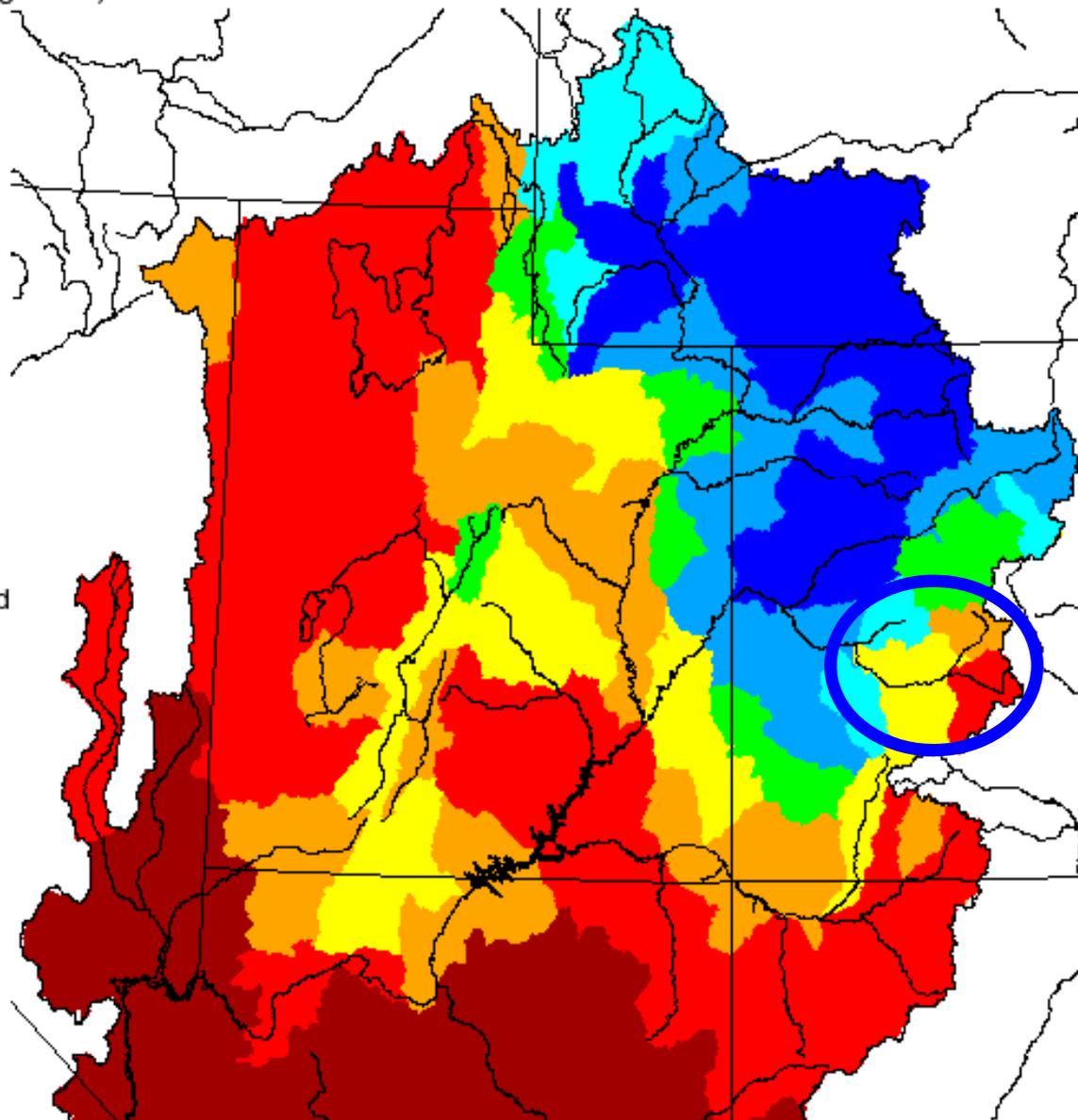
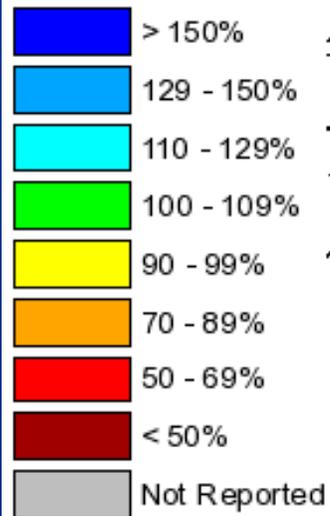
# SNOW CONDITIONS

RECLAMATION

# Monthly Precipitation for October 2013

(Averaged by Hydrologic Unit)

## % Average

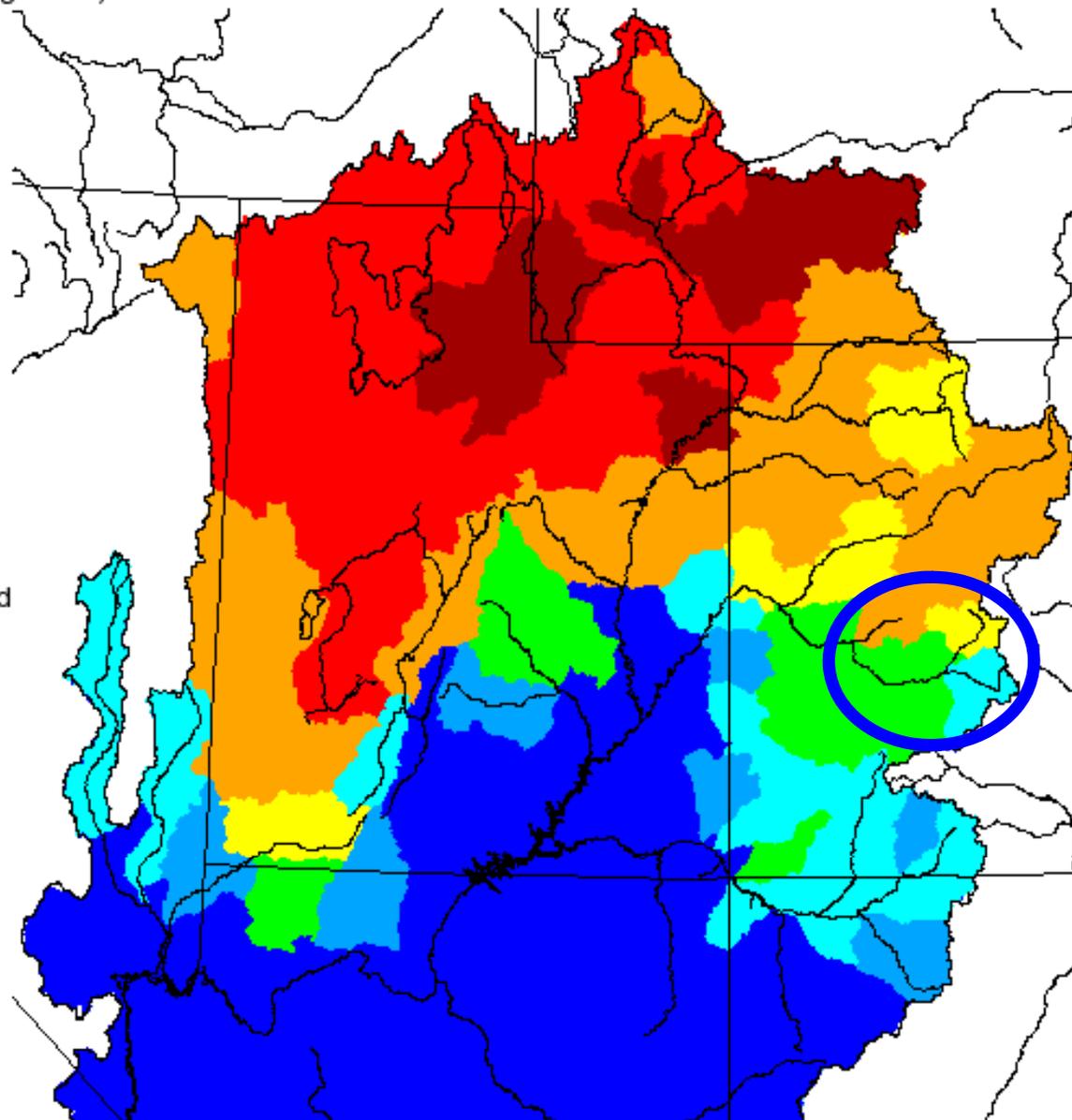
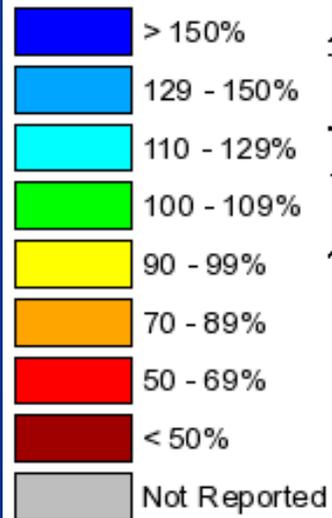


RECLAMATION

# Monthly Precipitation for November 2013

(Averaged by Hydrologic Unit)

## % Average

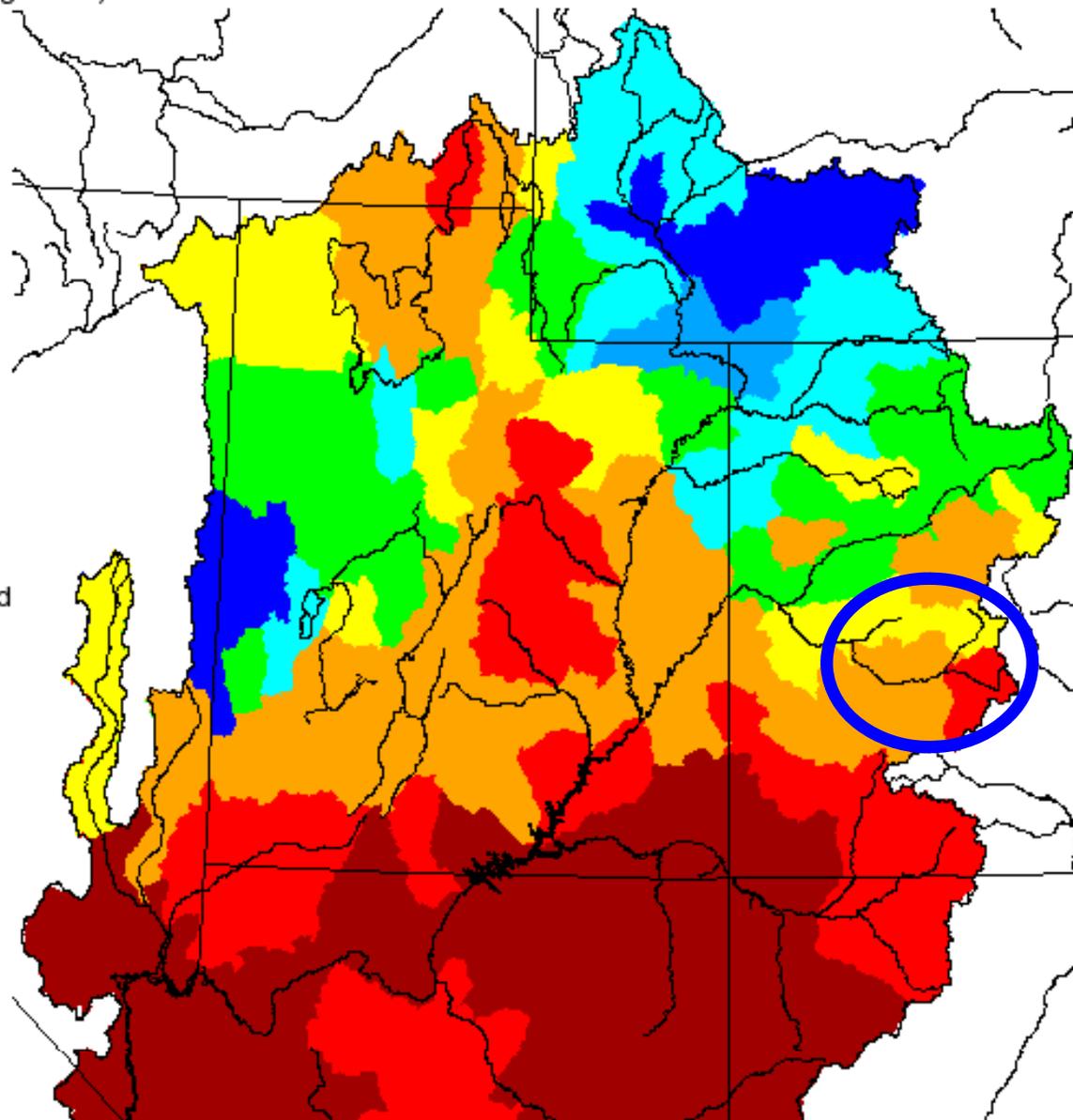
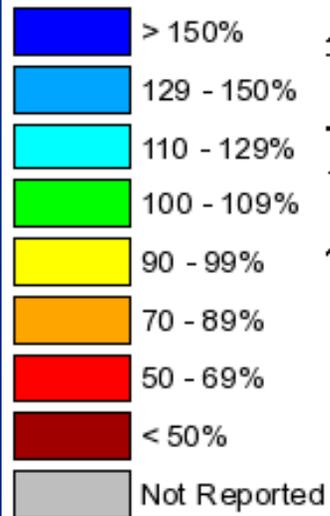


RECLAMATION

# Monthly Precipitation for December 2013

(Averaged by Hydrologic Unit)

## % Average

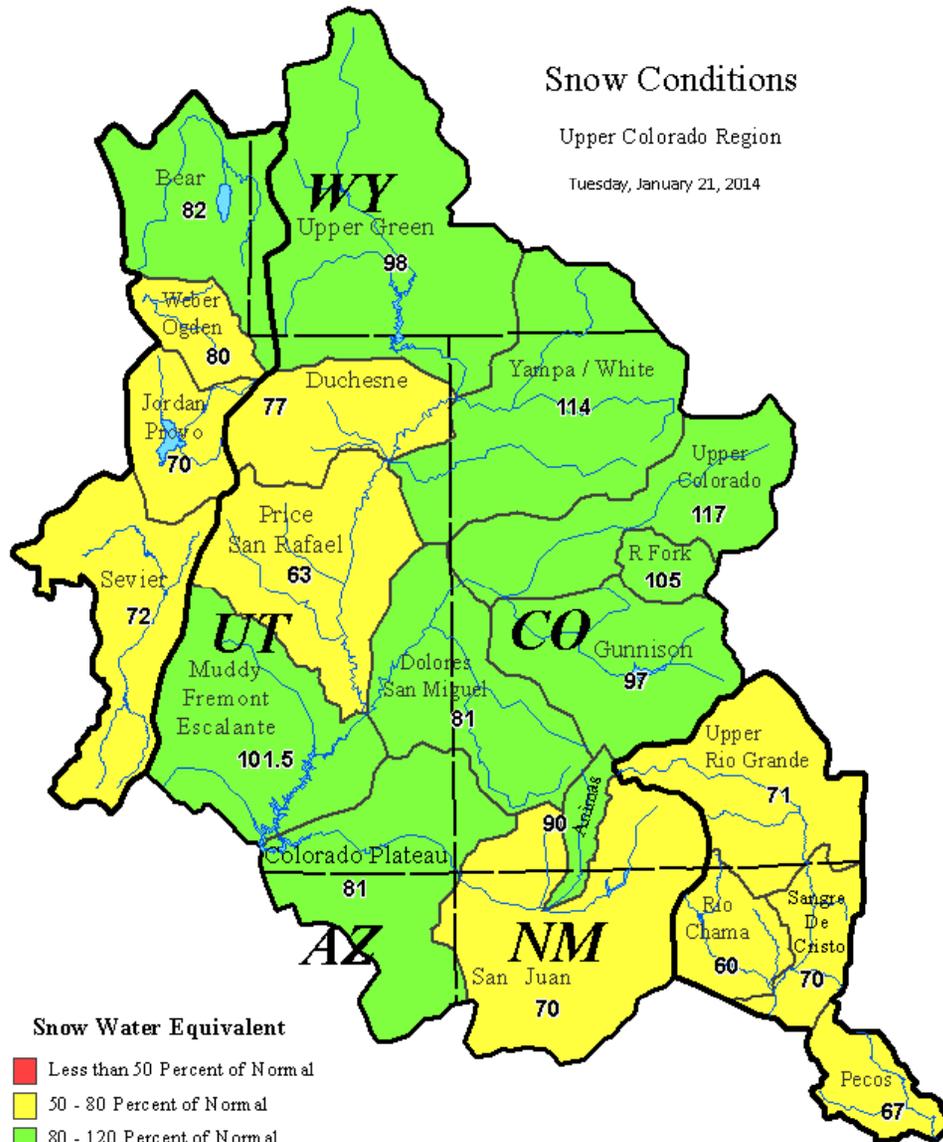


RECLAMATION

# Snow Conditions

Upper Colorado Region

Tuesday, January 21, 2014



### Snow Water Equivalent

- Less than 50 Percent of Normal
- 50 - 80 Percent of Normal
- 80 - 120 Percent of Normal
- 120 - 150 Percent of Normal
- Greater than 150 Percent of Normal

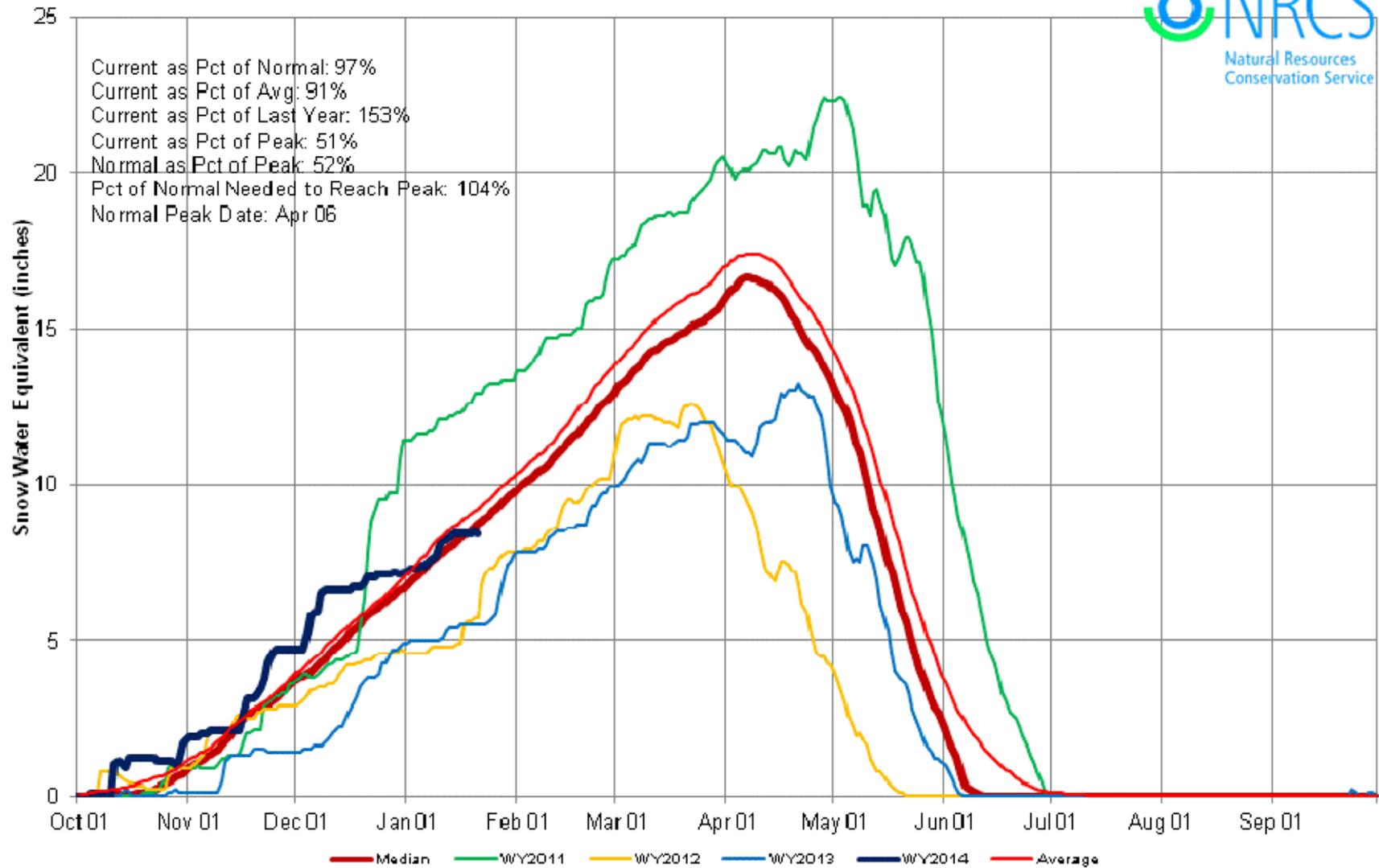
Data Provided by the Natural Resource Conservation Service

Upper Colorado  
**GIS**  
Region

# RECLAMATION

### Gunnison River Basin Time Series Snowpack Summary

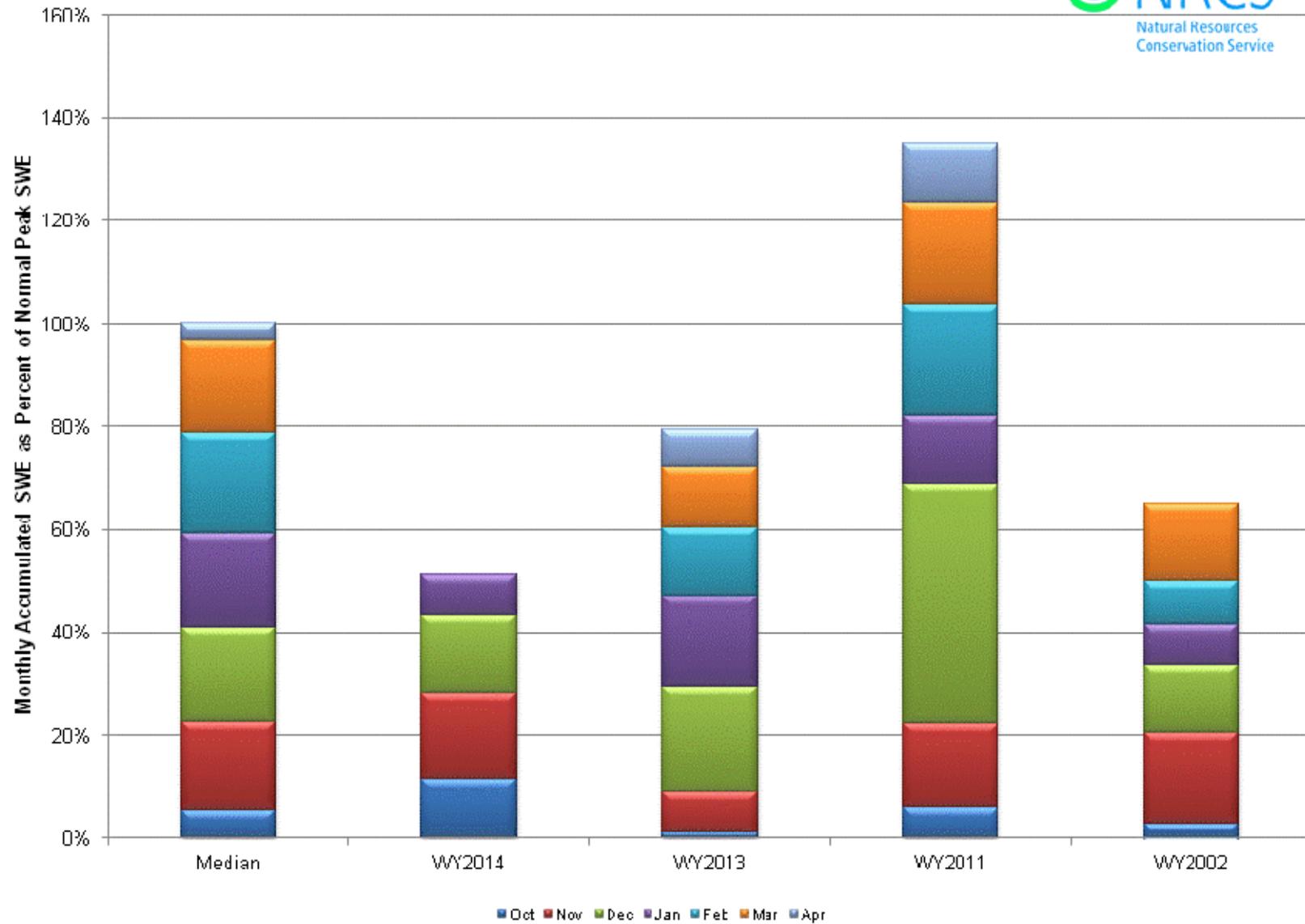
Based on Provisional SNOTEL data as of Jan 21, 2014



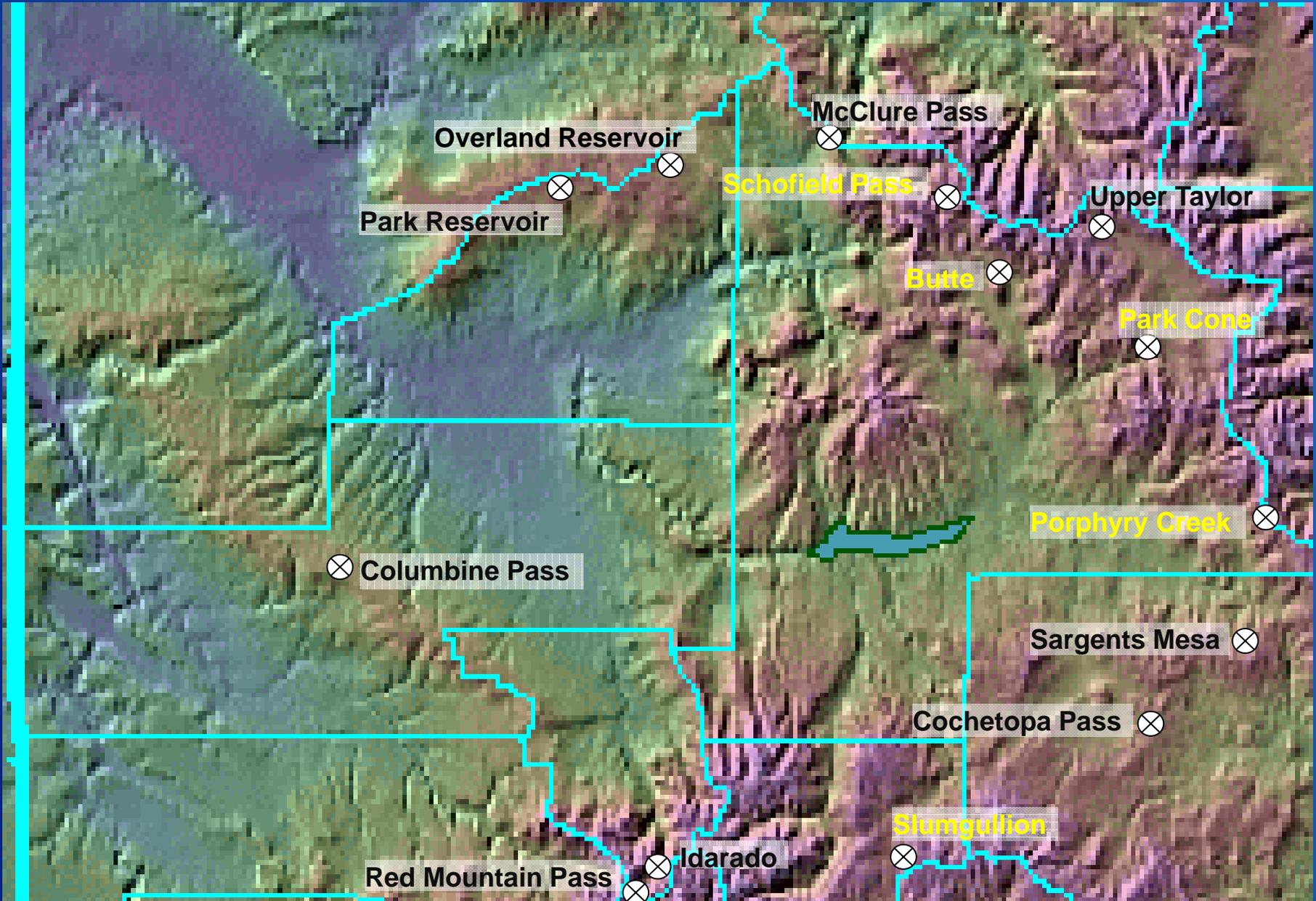
# RECLAMATION

# Gunnison River Basin High/Low Monthly Snowpack Summary

Based on Provisional SNOIEL data as of Jan 22, 2014

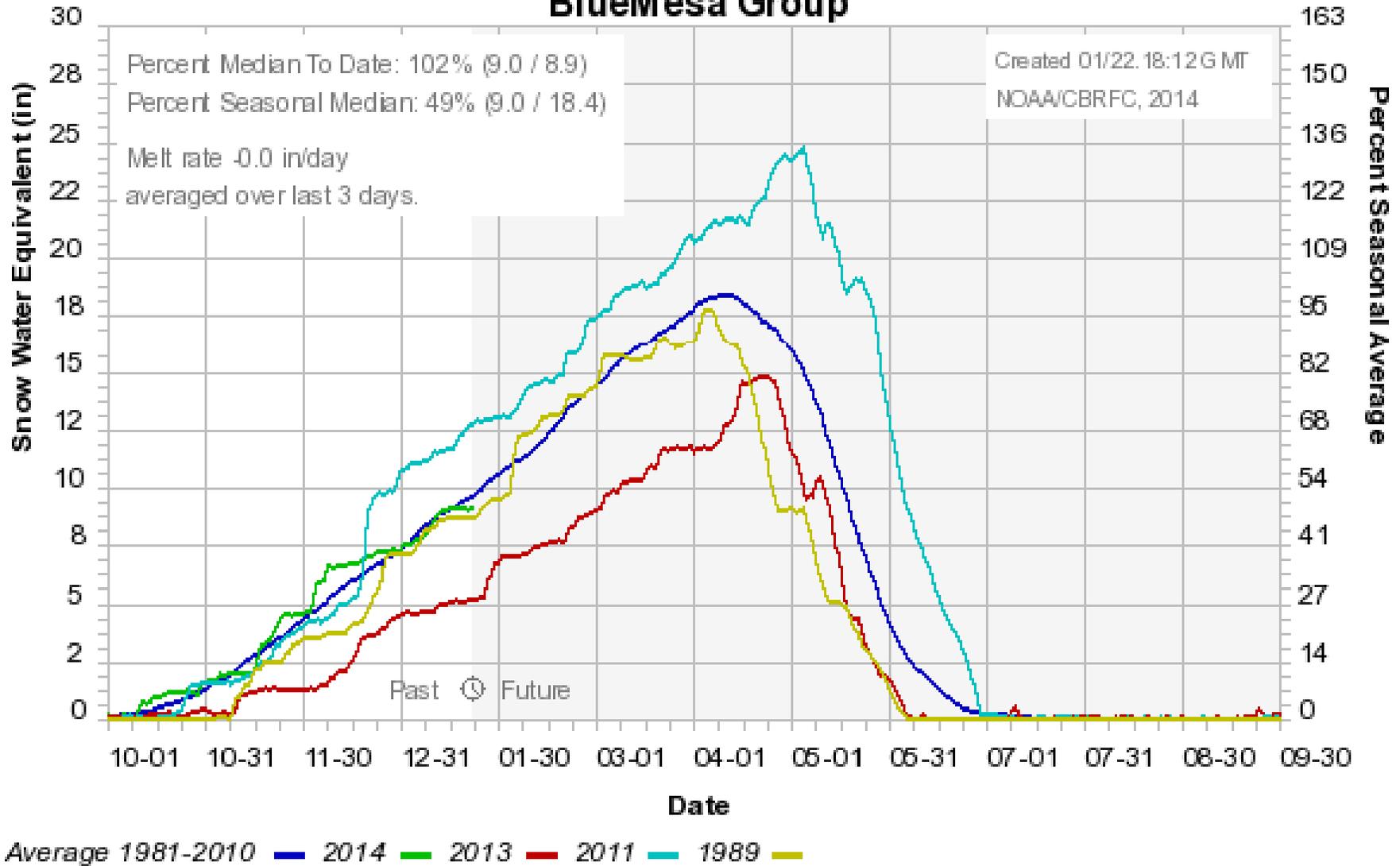


# RECLAMATION



RECLAMATION

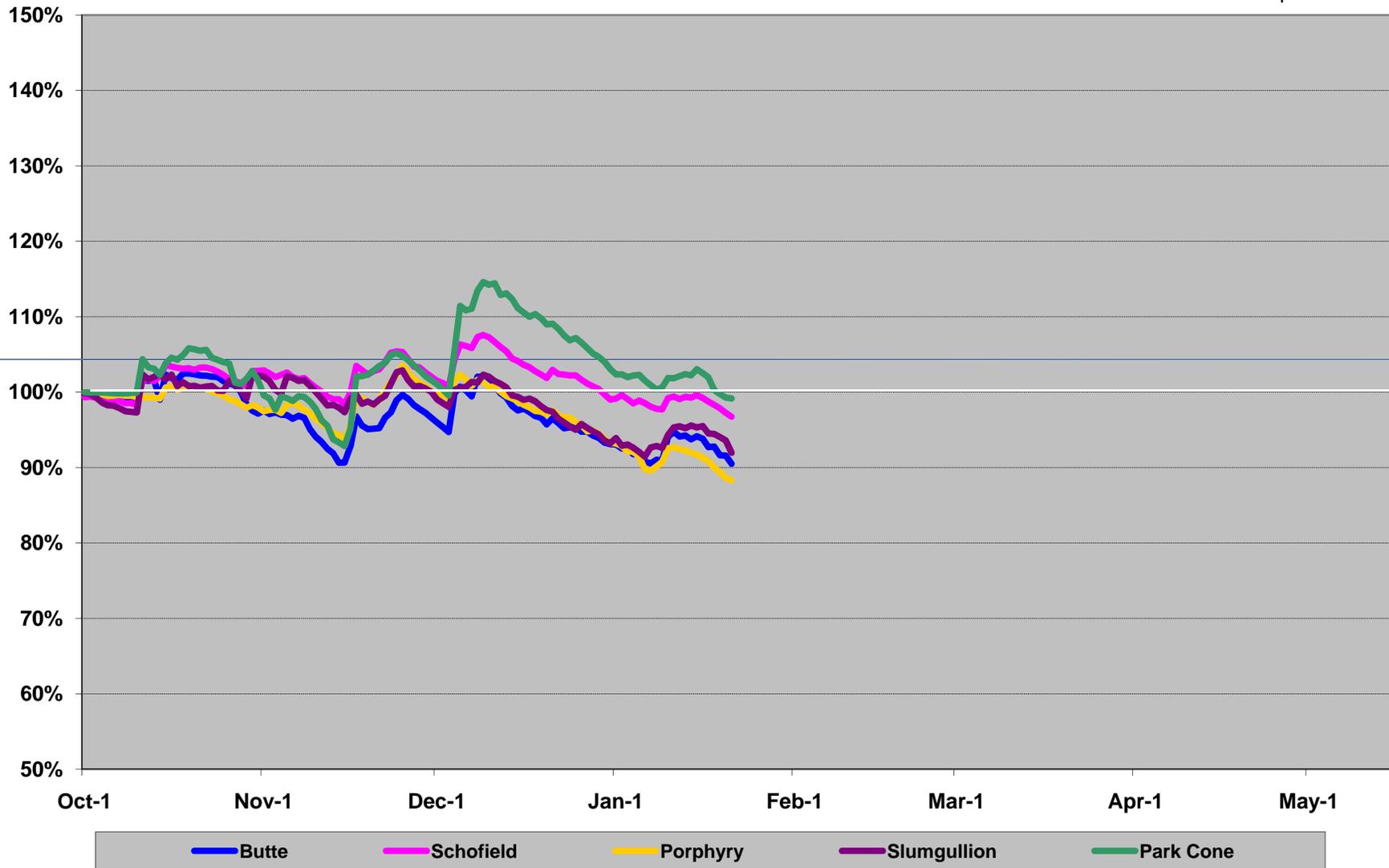
# Colorado Basin River Forecast Center BlueMesa Group



RECLAMATION

### Upper Gunnison Basin SWE % of Average Daily (Scaled to % of Avg Annual Peak)

Basin Snowpack = 88%

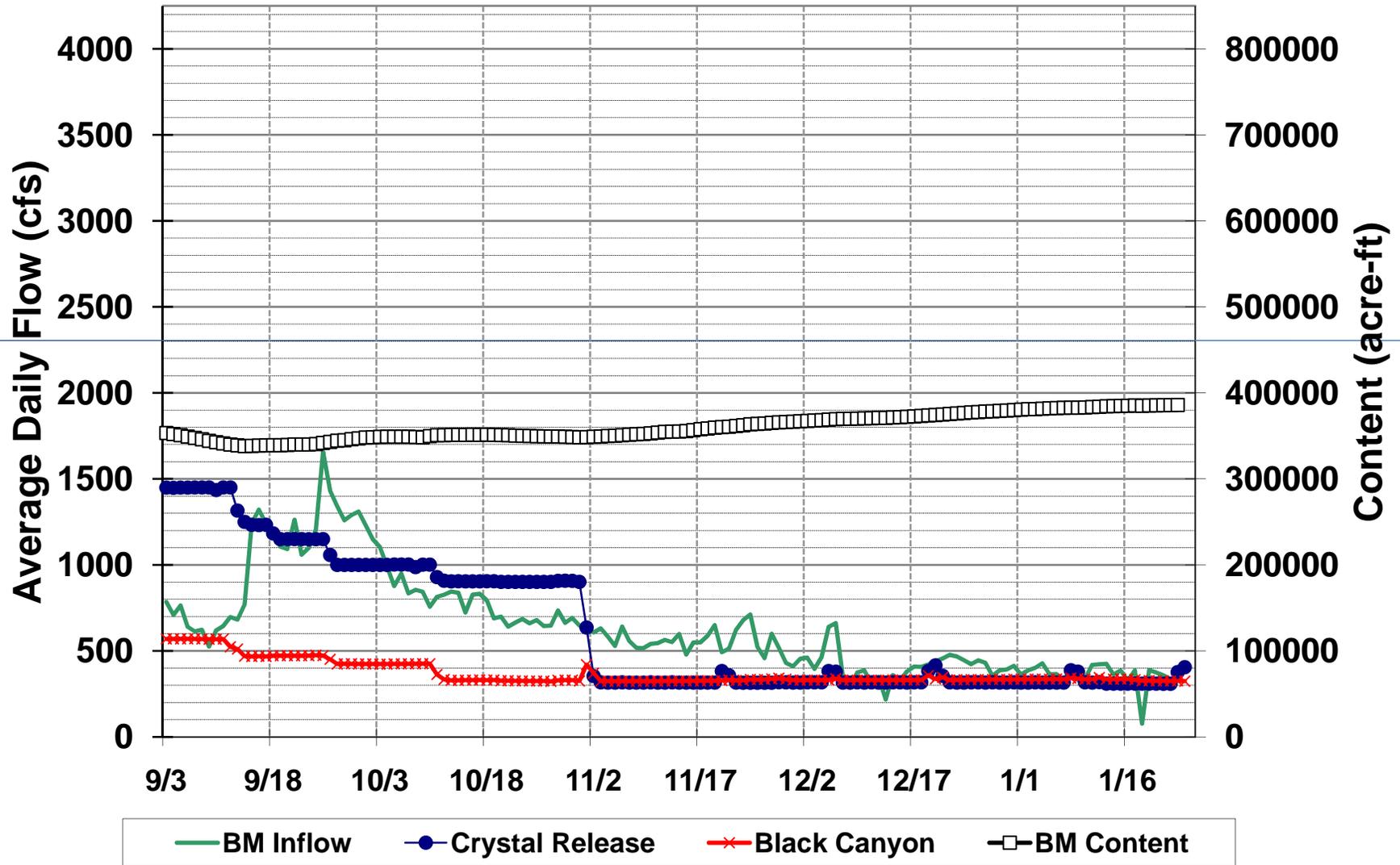


# RECLAMATION

# OPERATIONS PAST AND PRESENT

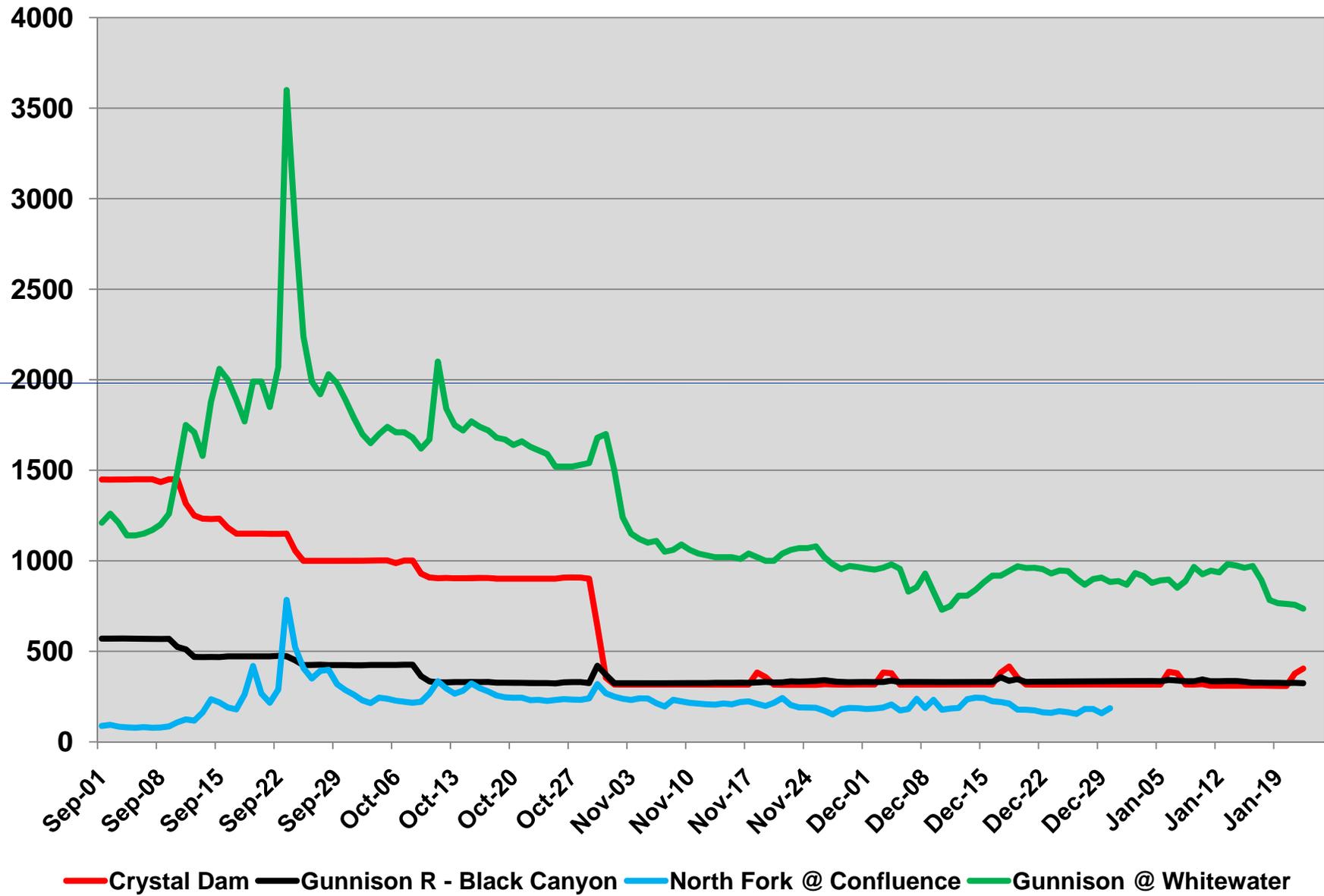
RECLAMATION

# September 2013 - January 2014



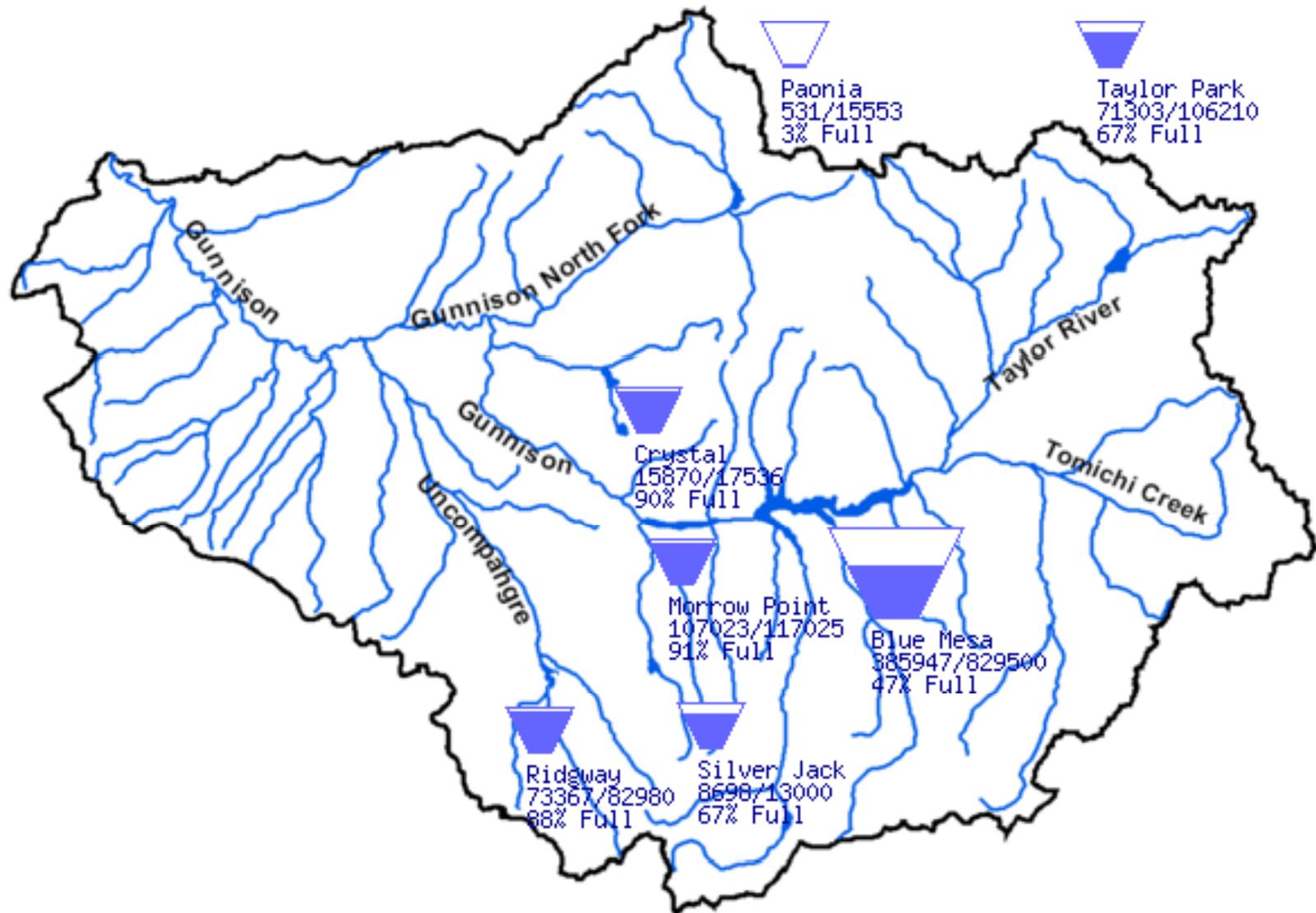
RECLAMATION

# Gunnison River Flows



Data Current as of:  
01/21/2014

## Gunnison River Basin, CO



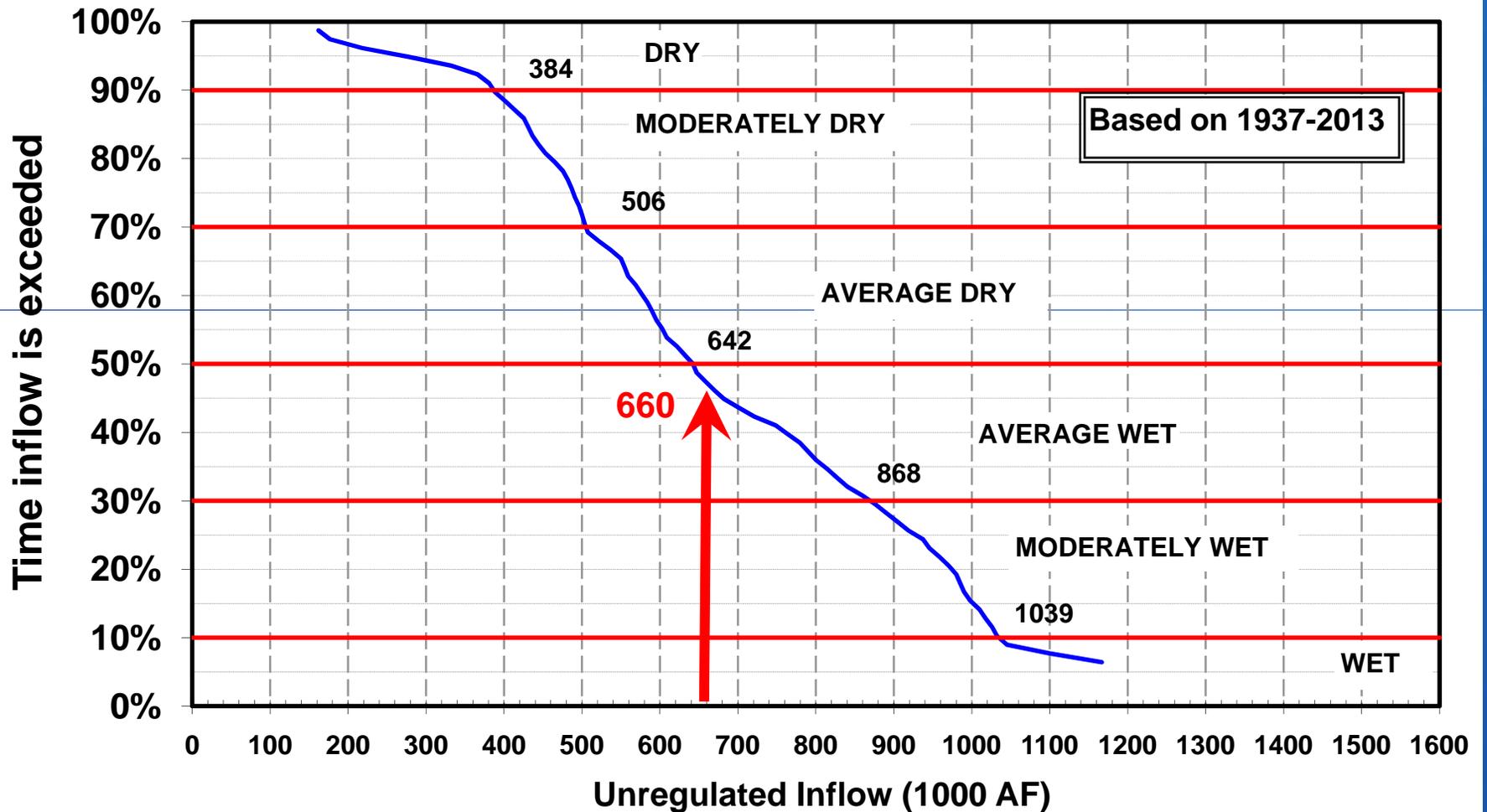
# RECLAMATION

# FORECASTS AND FUTURE OPERATIONS

RECLAMATION

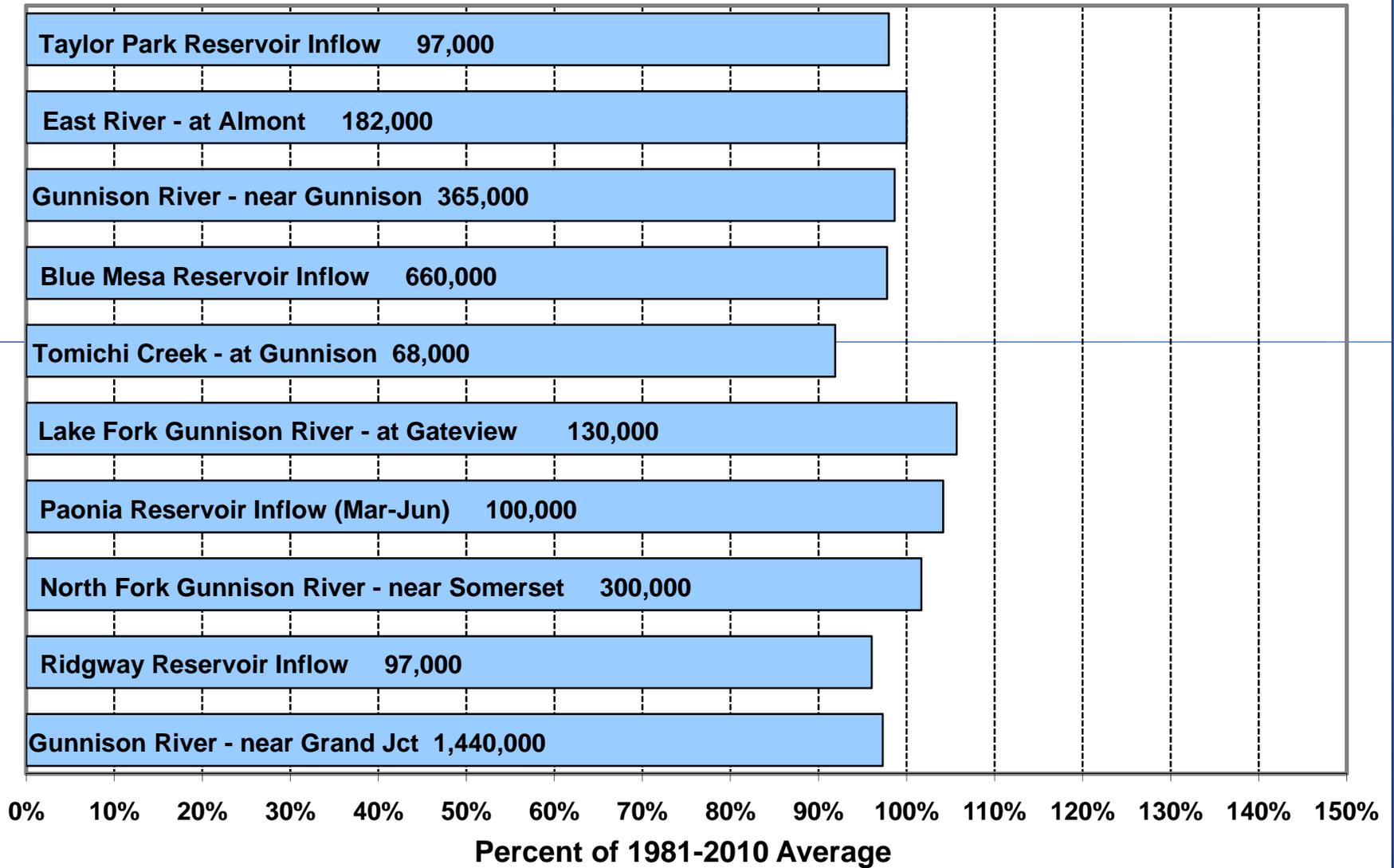
# Blue Mesa Reservoir

April - July Unregulated Inflow



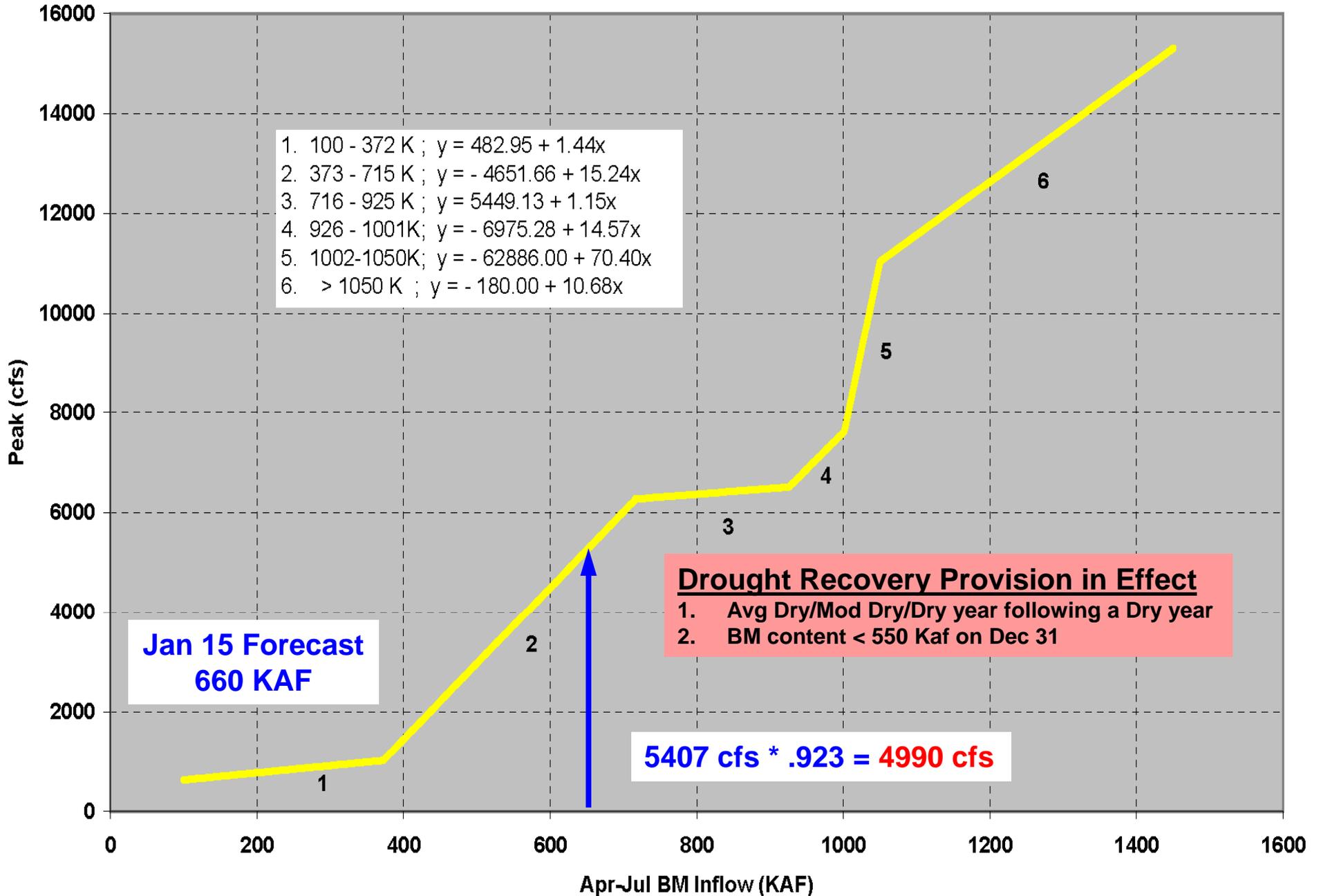
RECLAMATION

## Forecasted April-July Runoff As of January 1st

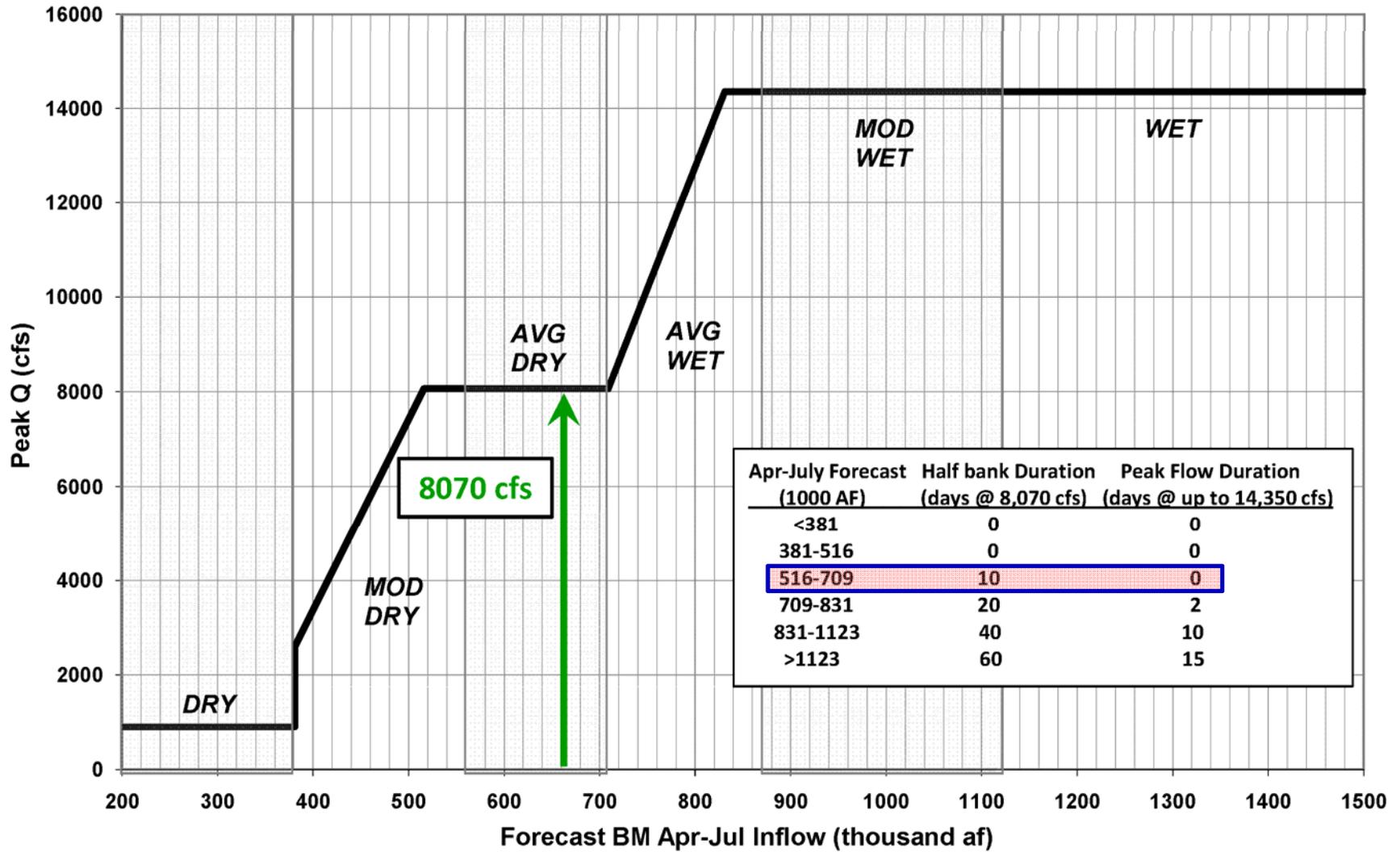


# Black Canyon Peak Flow Determination

based on Blue Mesa May 1 forecast



## Peak Flow and Duration Day Targets at Whitewater



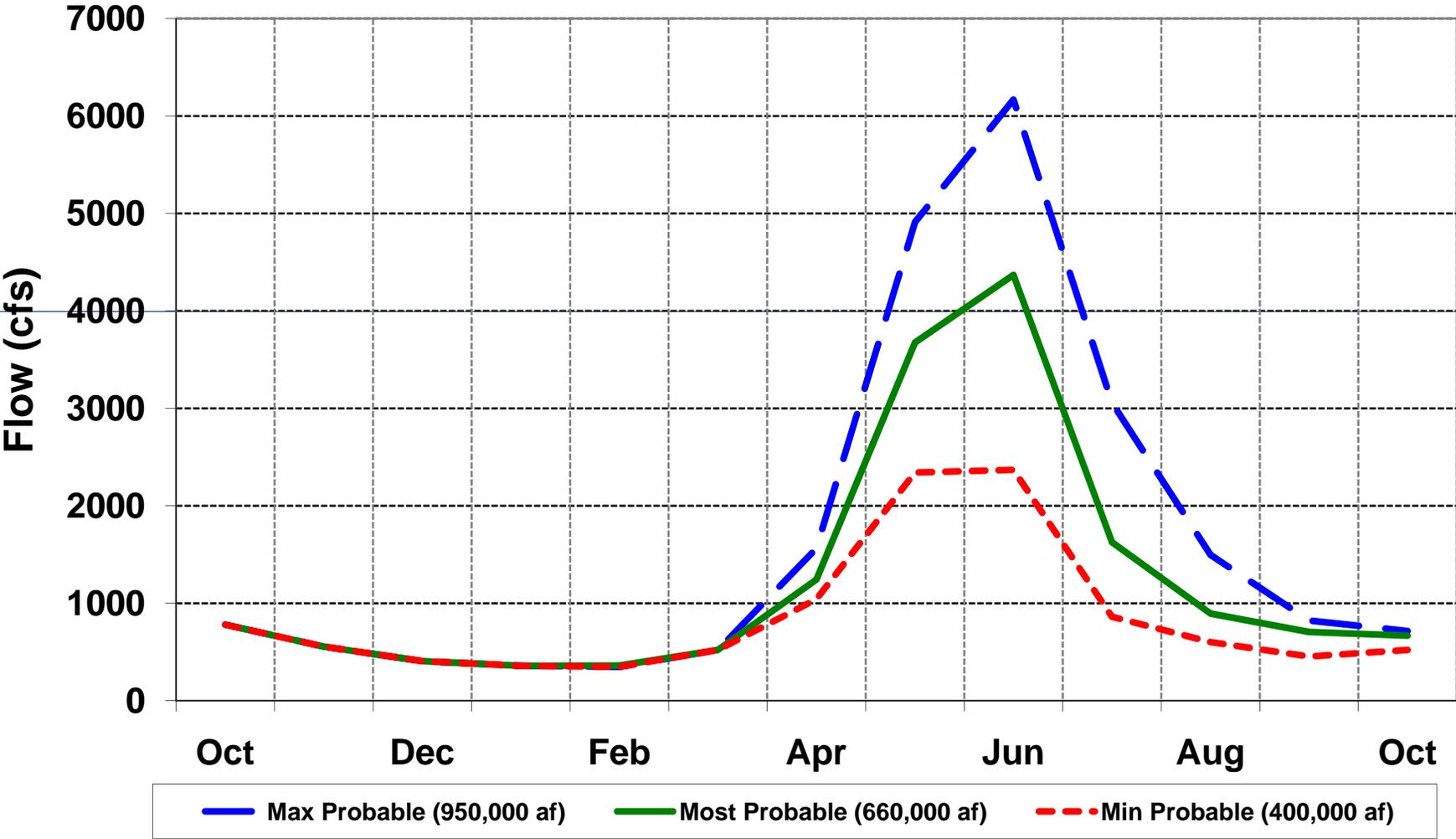
# Baseflow Targets

	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.

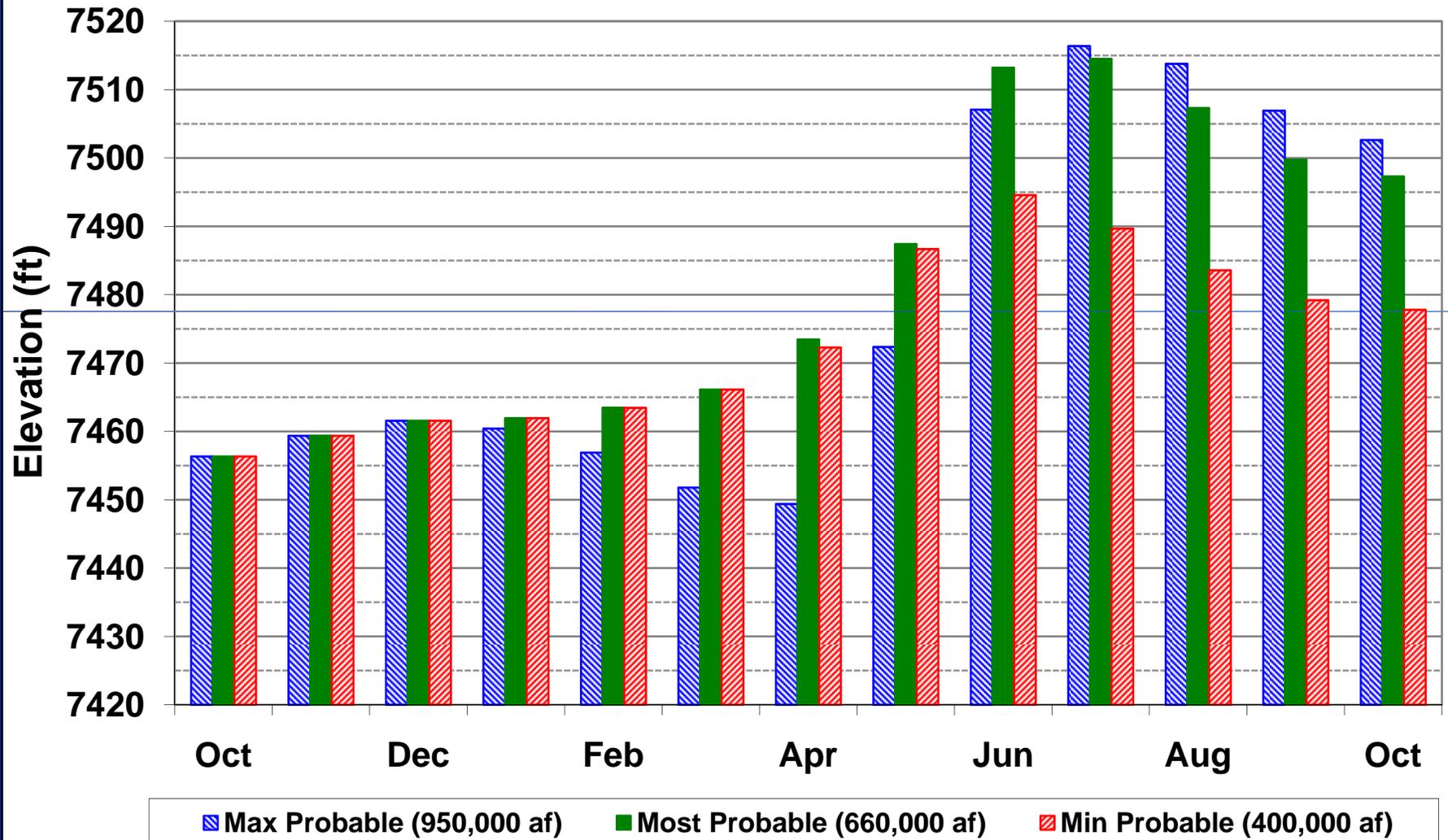
# RECLAMATION

# Unregulated Blue Mesa Inflow Monthly Average



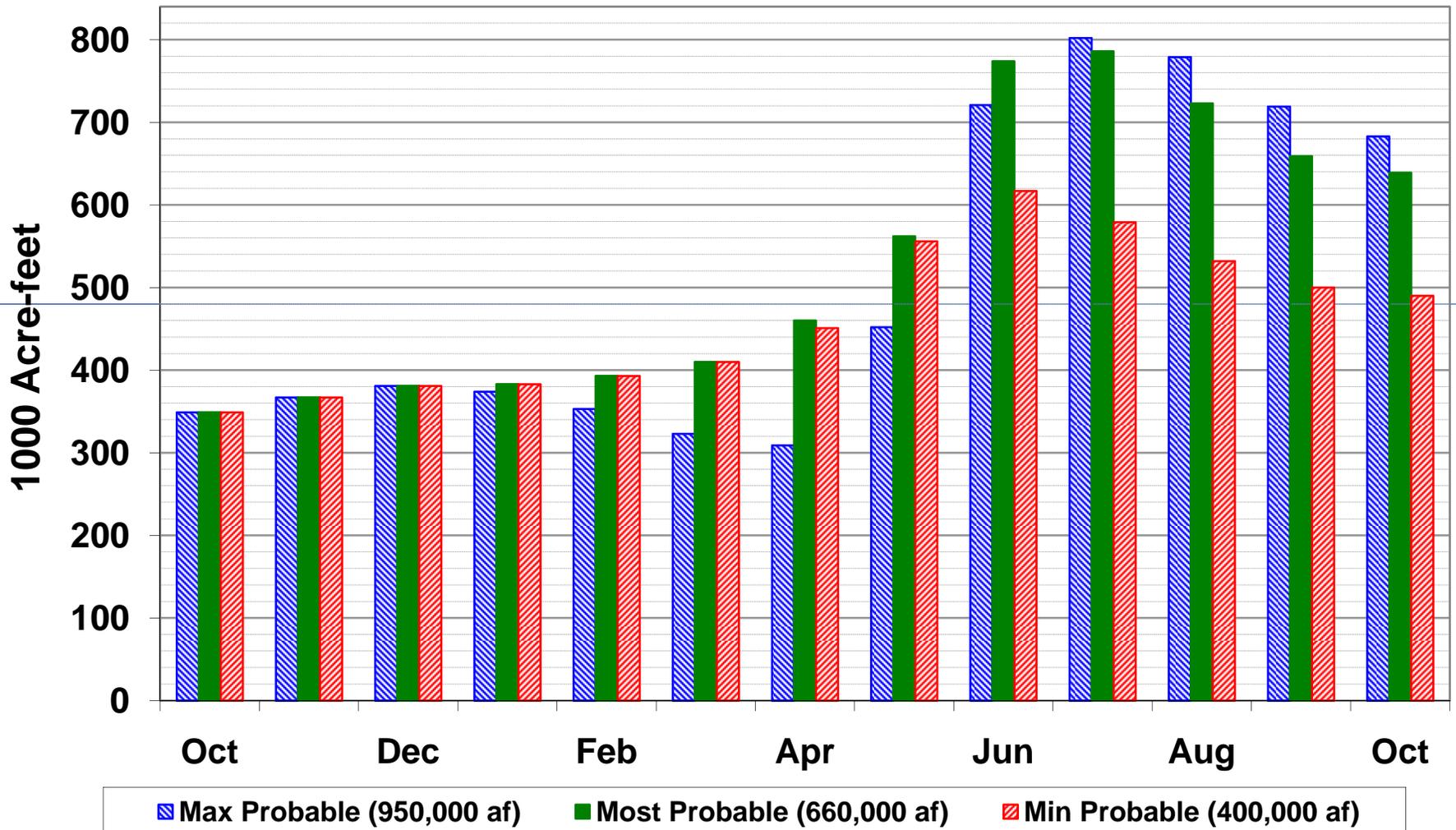
RECLAMATION

# Blue Mesa Elevation End of Month



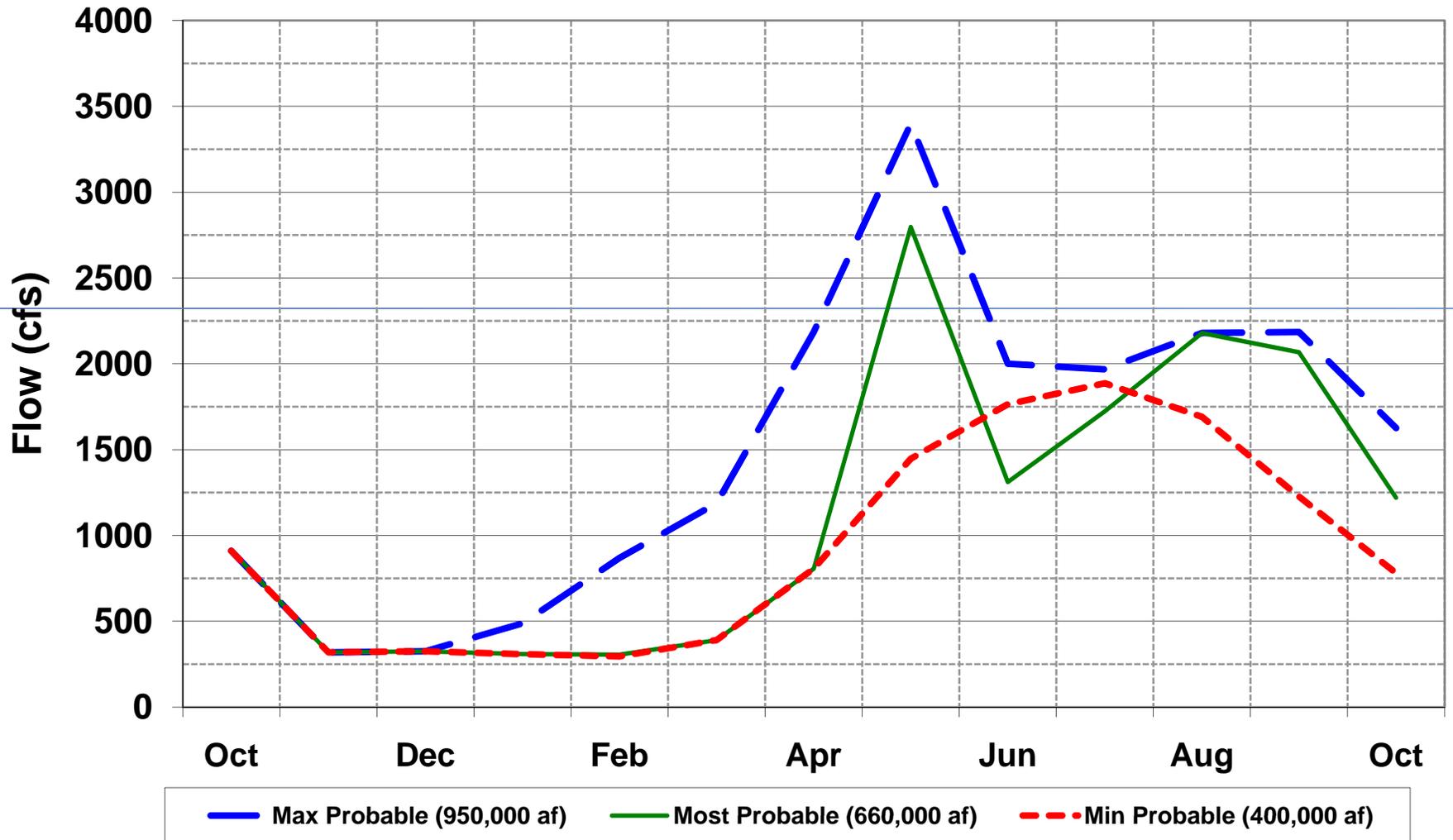
RECLAMATION

# Blue Mesa Content End of Month



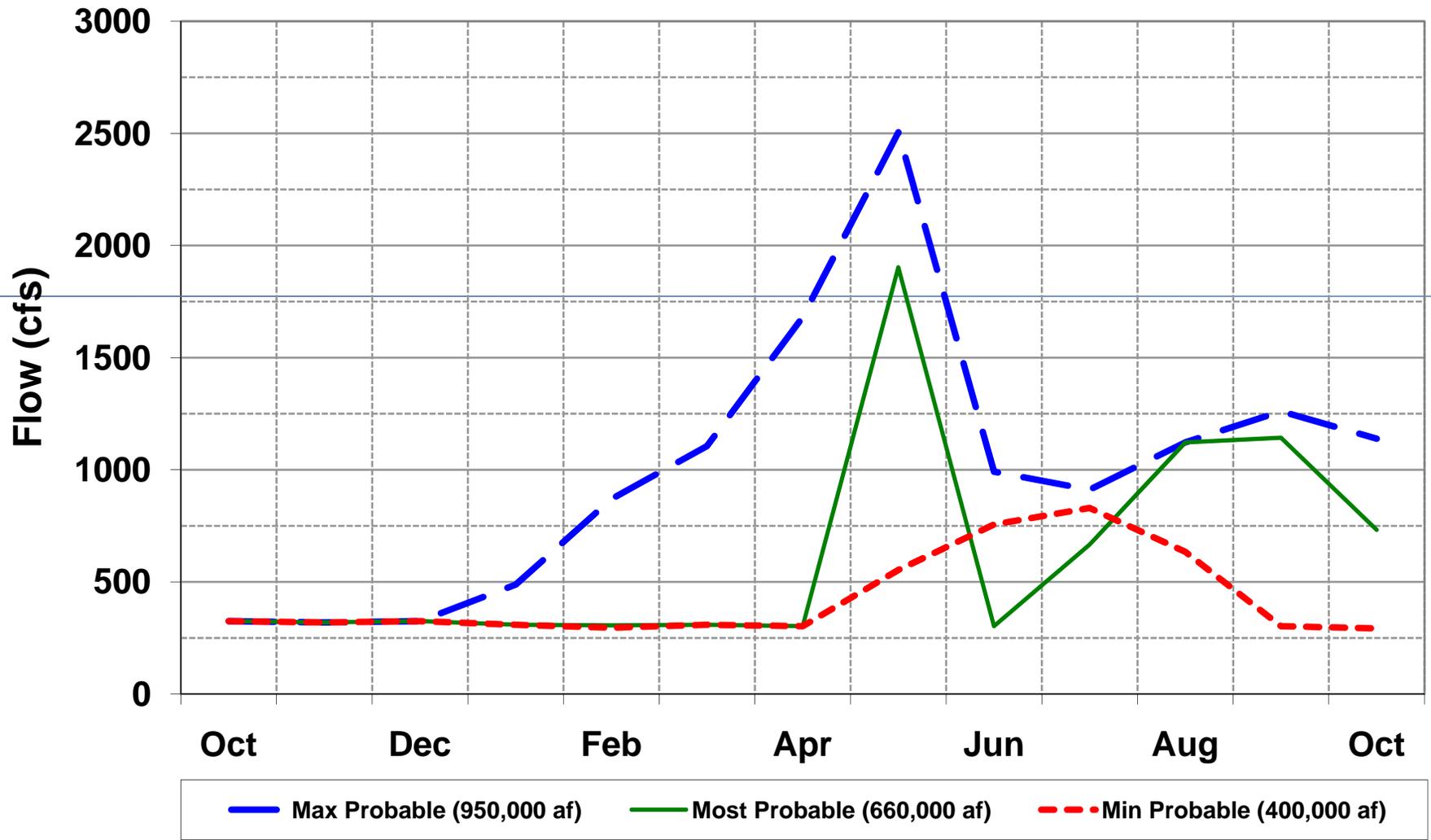
RECLAMATION

# Crystal Release Monthly Average



RECLAMATION

# Black Canyon Monthly Average



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<http://www.usbr.gov/uc/wcao/index.html>



RECLAMATION