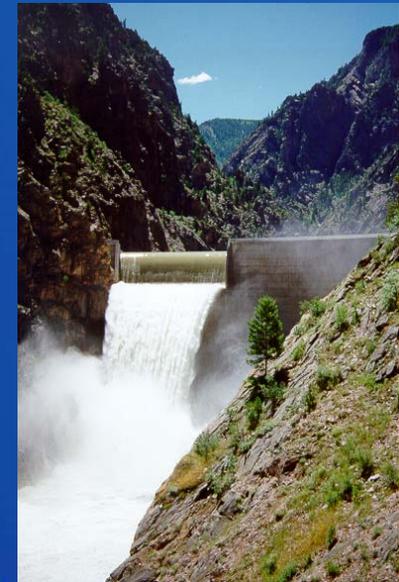
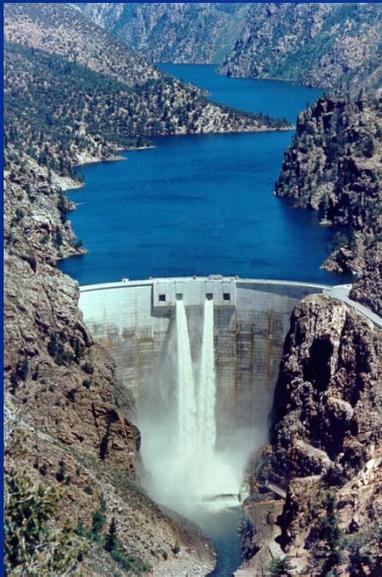


Aspinall Operations Meeting

January 22, 2015



RECLAMATION

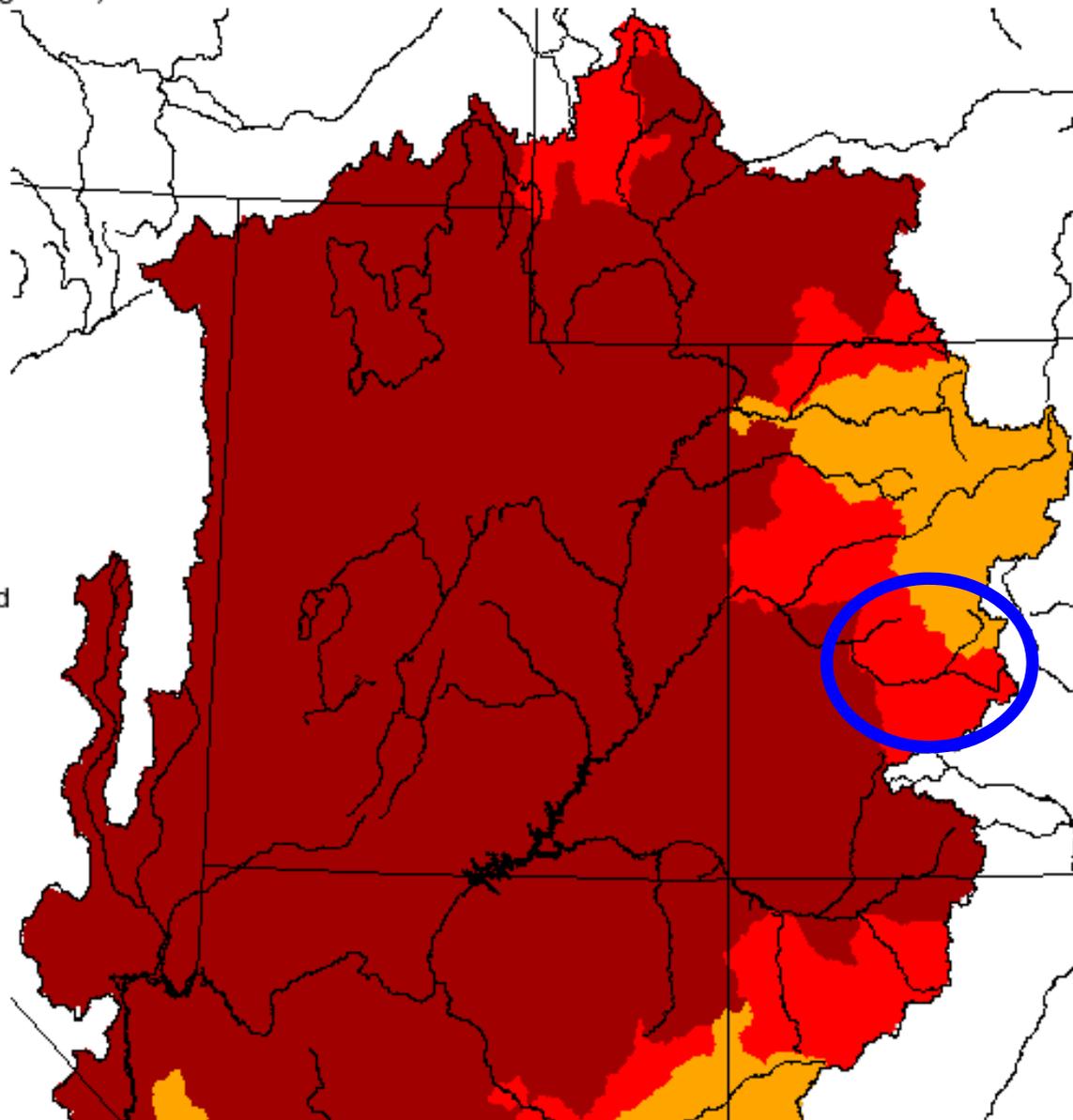
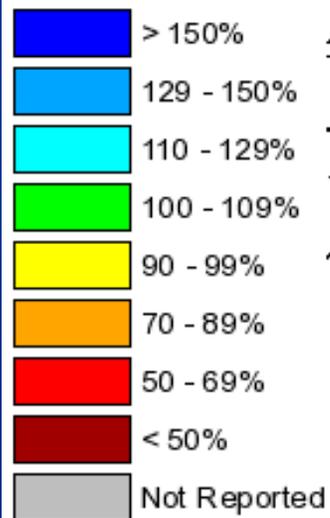
SNOW CONDITIONS

RECLAMATION

Monthly Precipitation for October 2014

(Averaged by Hydrologic Unit)

% Average

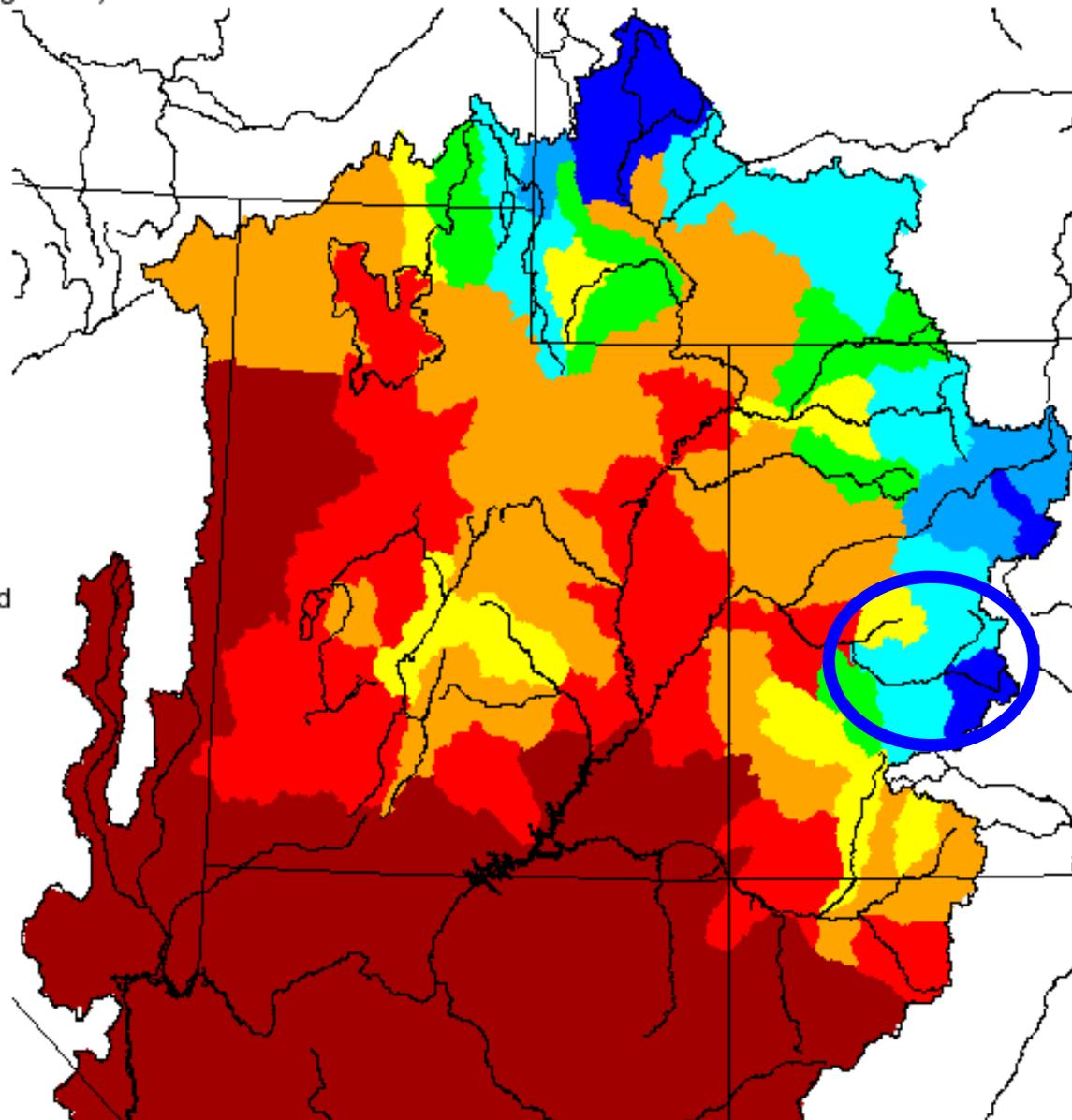
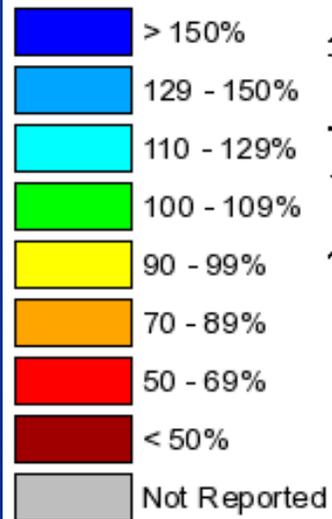


RECLAMATION

Monthly Precipitation for November 2014

(Averaged by Hydrologic Unit)

% Average

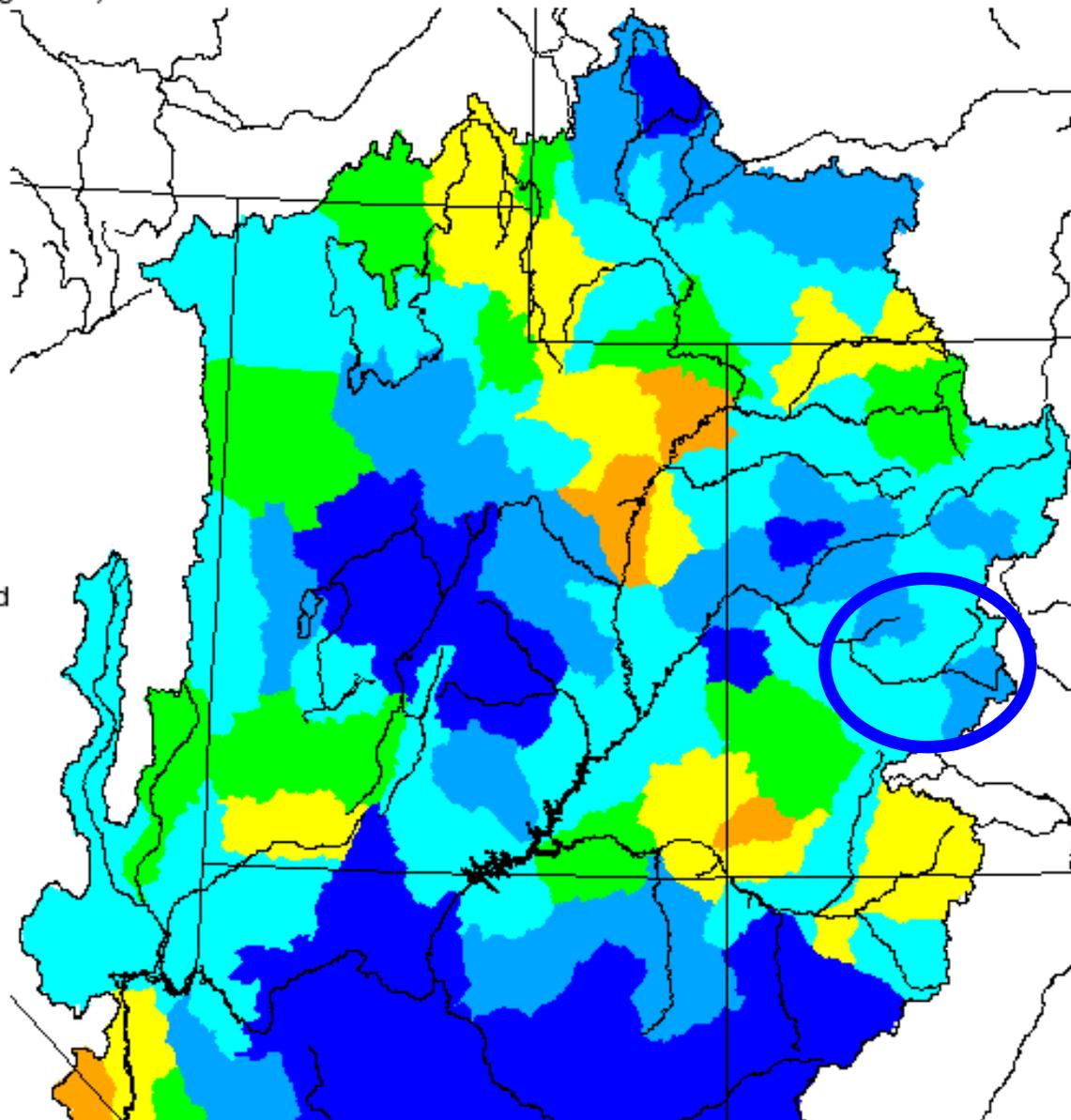
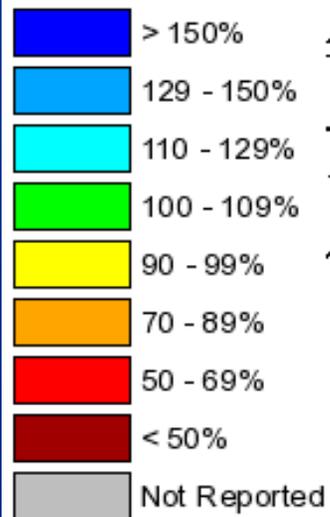


RECLAMATION

Monthly Precipitation for December 2014

(Averaged by Hydrologic Unit)

% Average

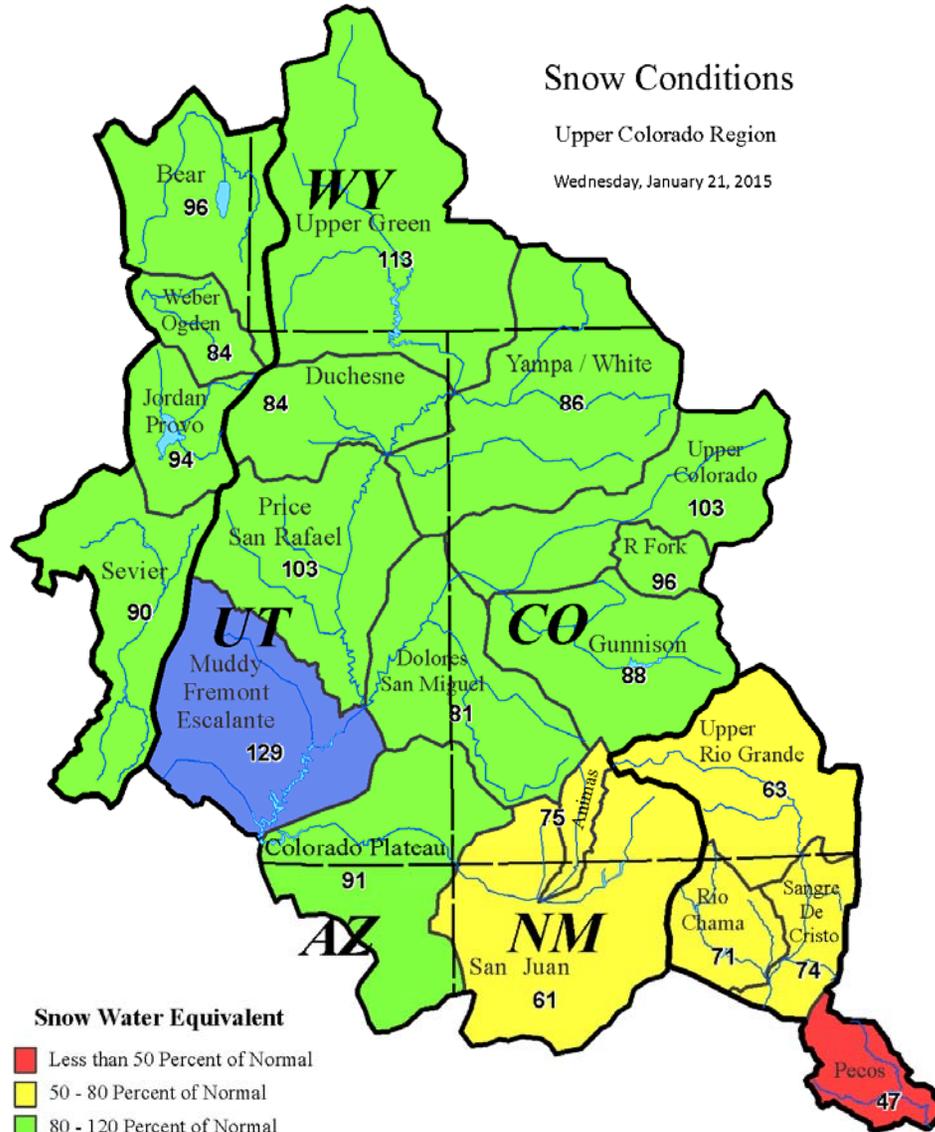


RECLAMATION

Snow Conditions

Upper Colorado Region

Wednesday, January 21, 2015



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

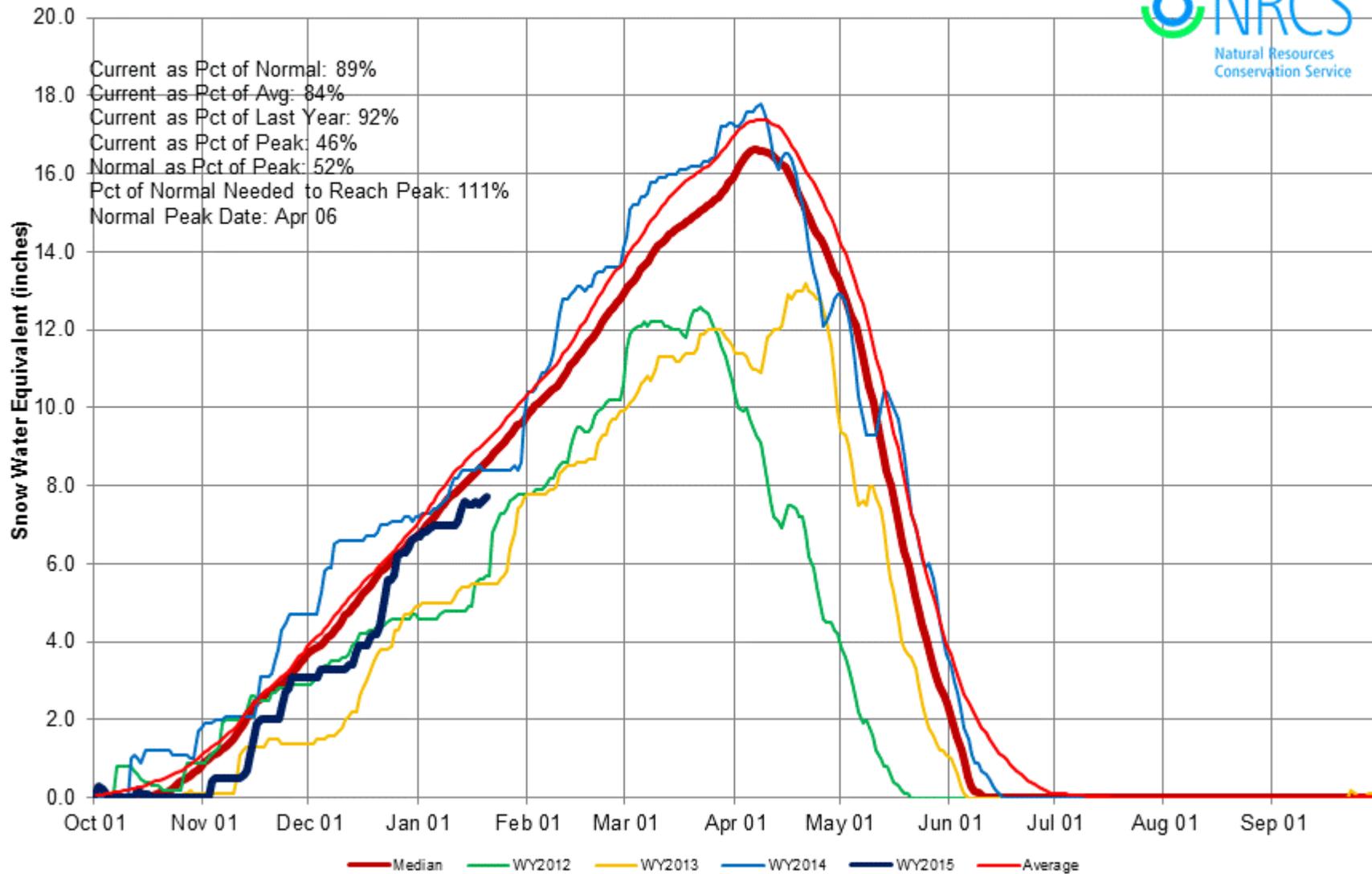
Upper Colorado
GIS
Region

Data Provided by the Natural Resource Conservation Service

RECLAMATION

Gunnison River Basin Time Series Snowpack Summary

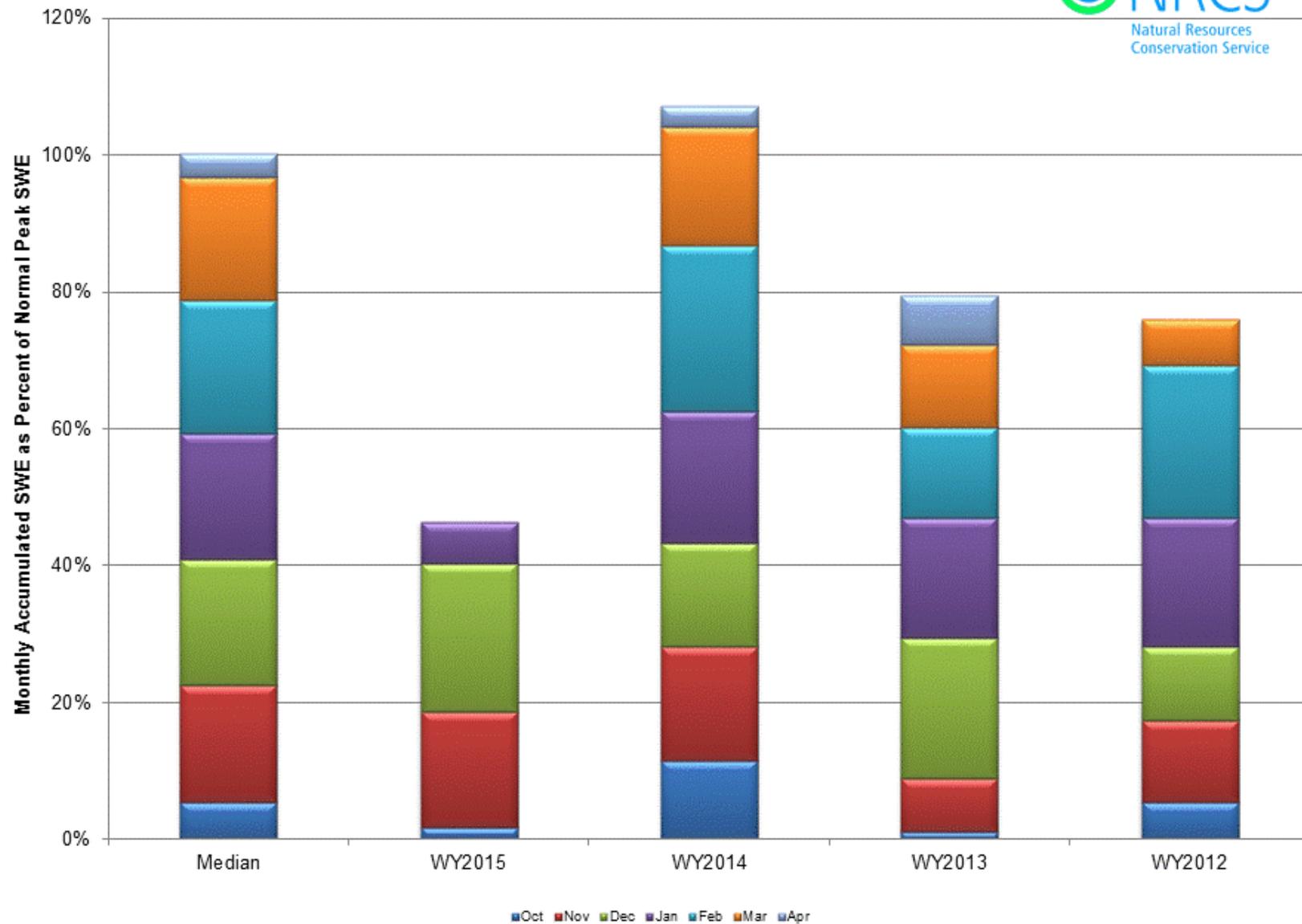
Based on Provisional SNOTEL data as of Jan 20, 2015



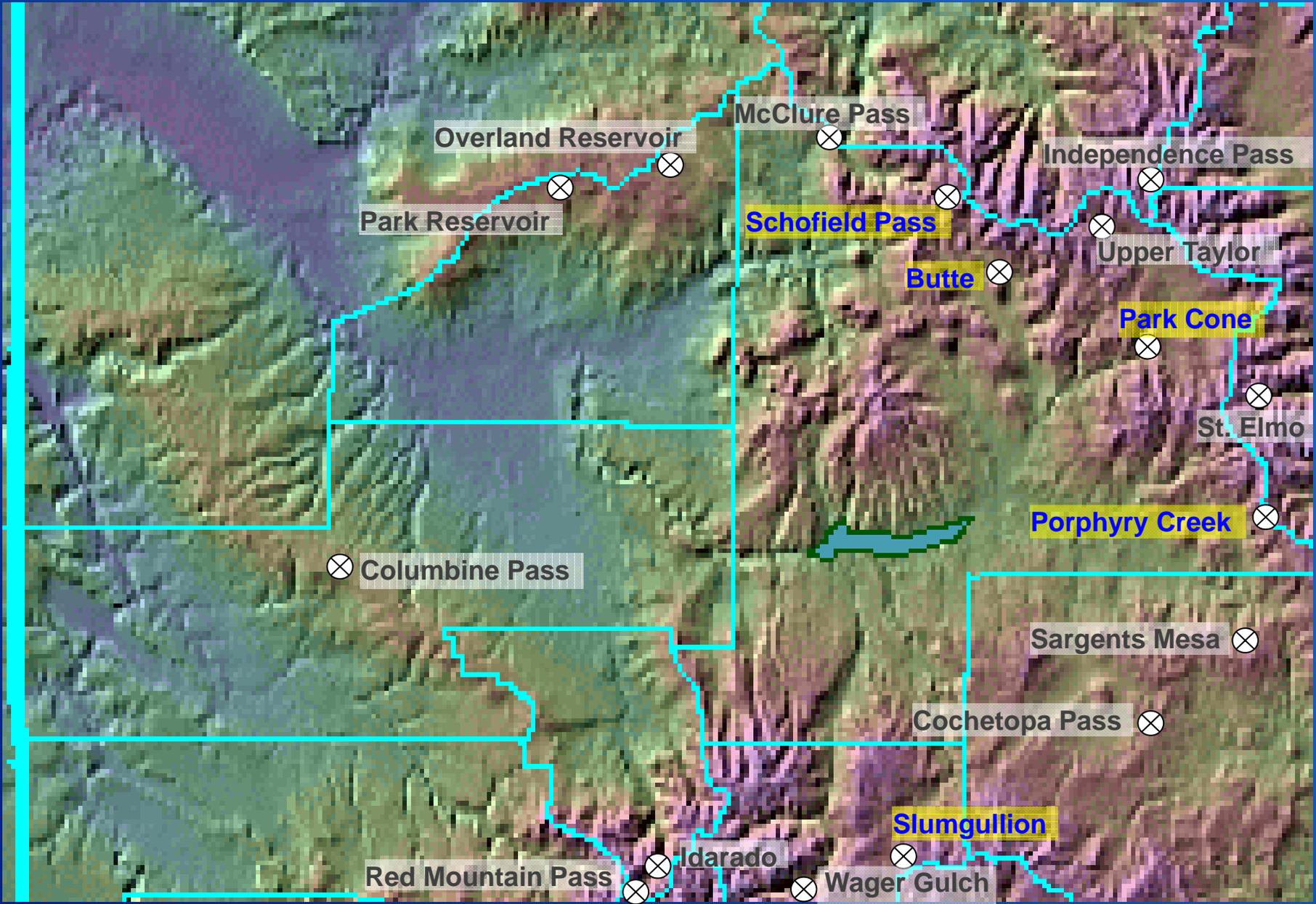
RECLAMATION

Gunnison River Basin Time Series Monthly Snowpack Summary

Based on Provisional SNOTEL data as of Jan 20, 2015

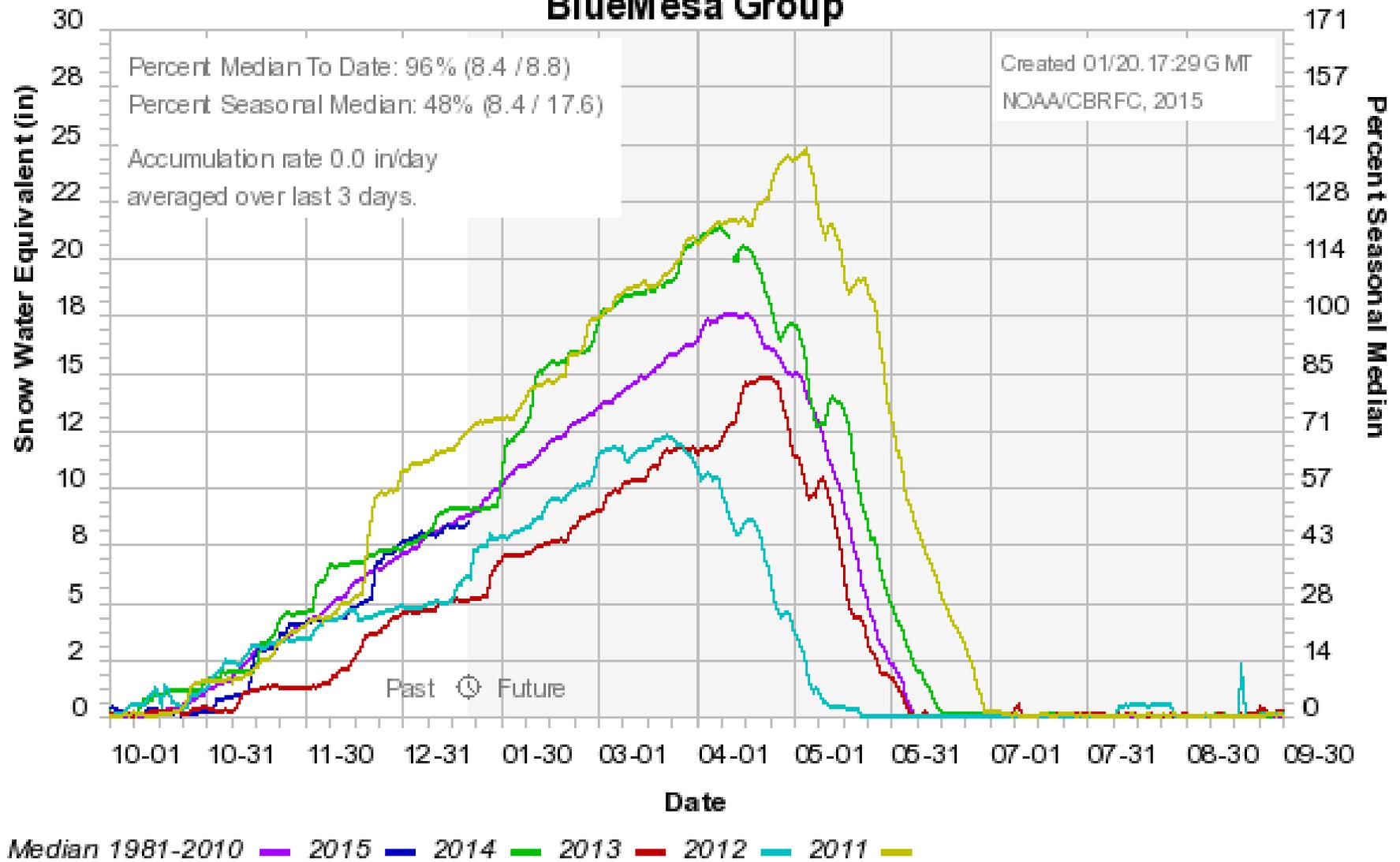


RECLAMATION



RECLAMATION

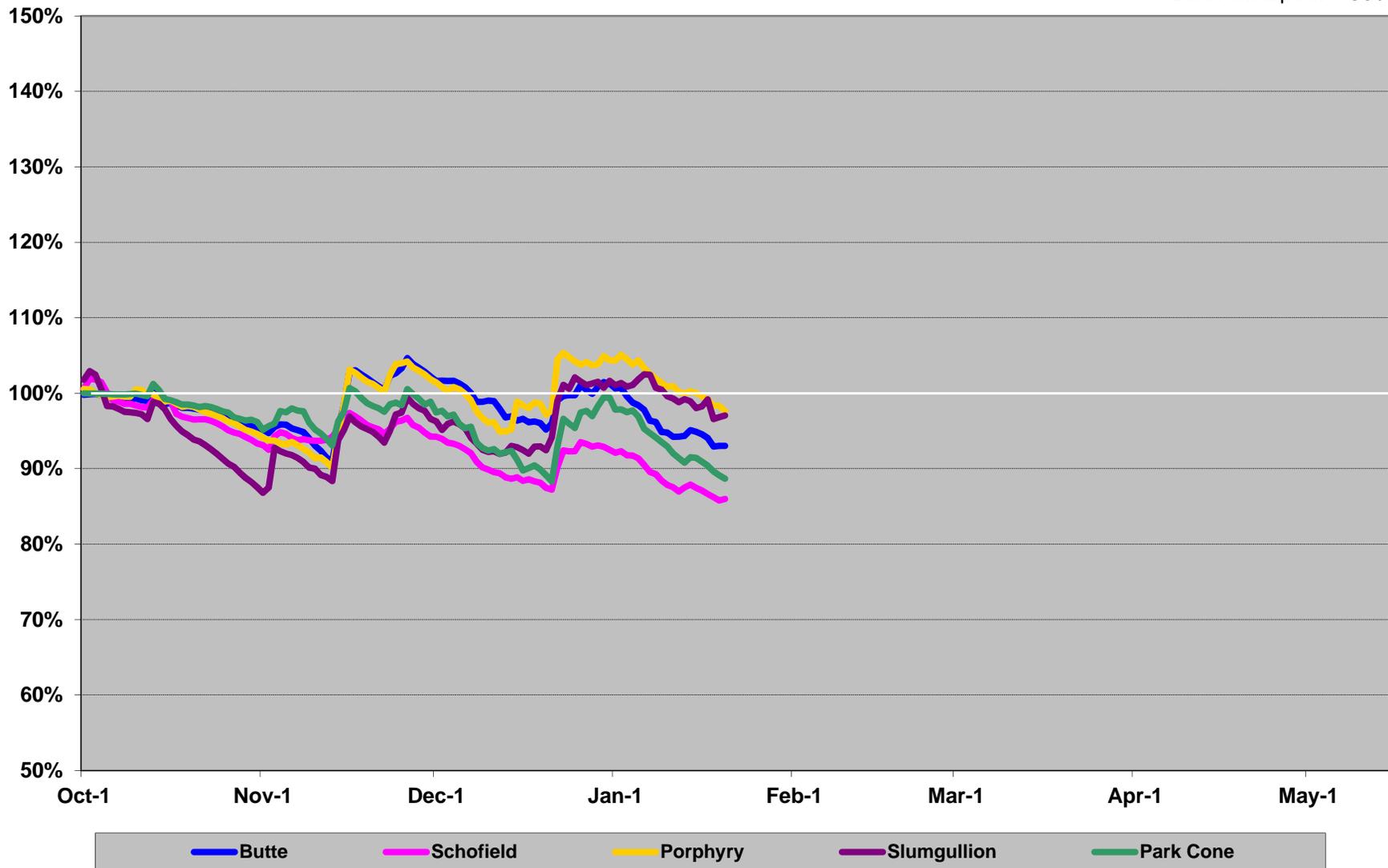
Colorado Basin River Forecast Center BlueMesa Group



RECLAMATION

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

Basin Snowpack = 83%

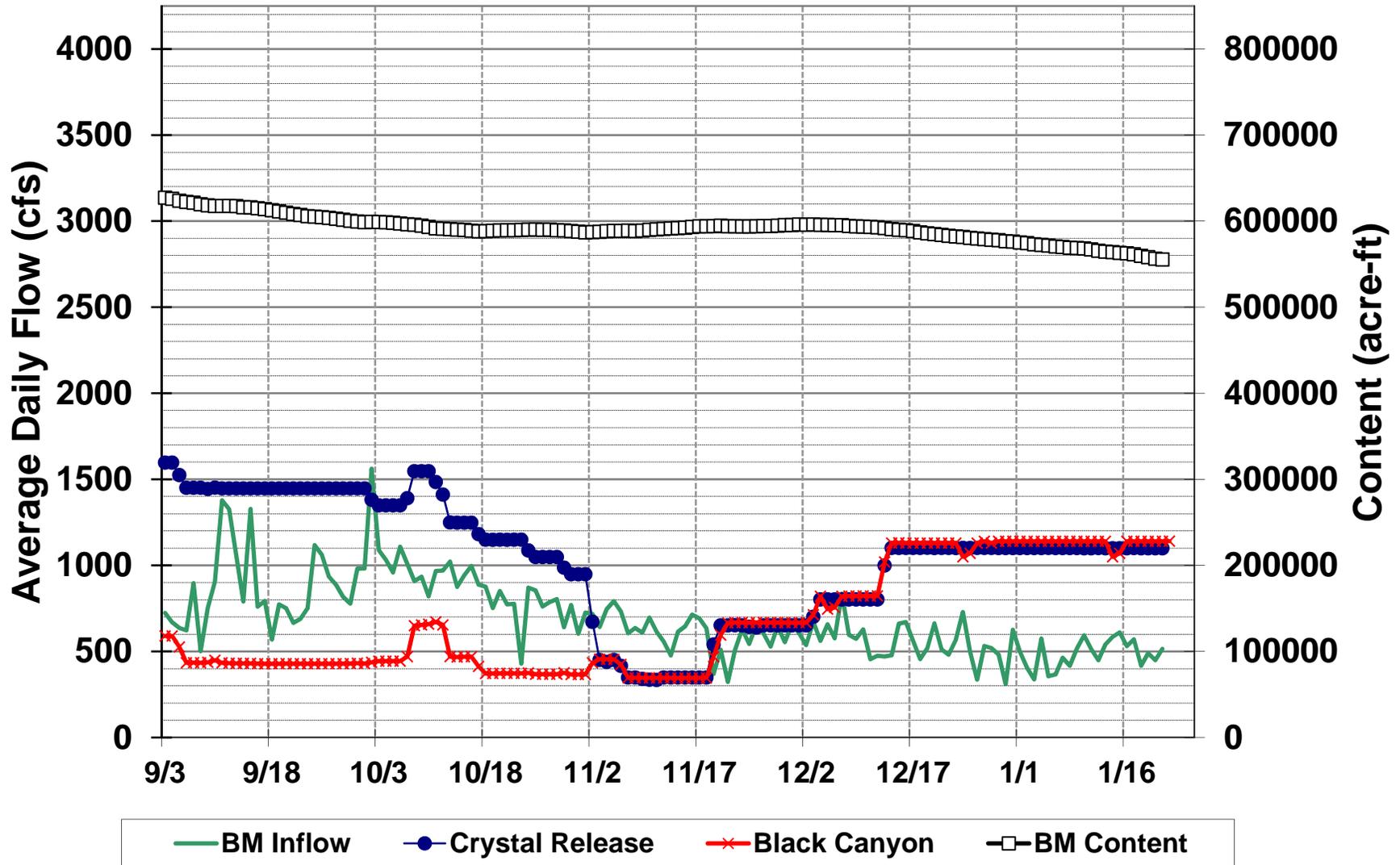


RECLAMATION

OPERATIONS PAST AND PRESENT

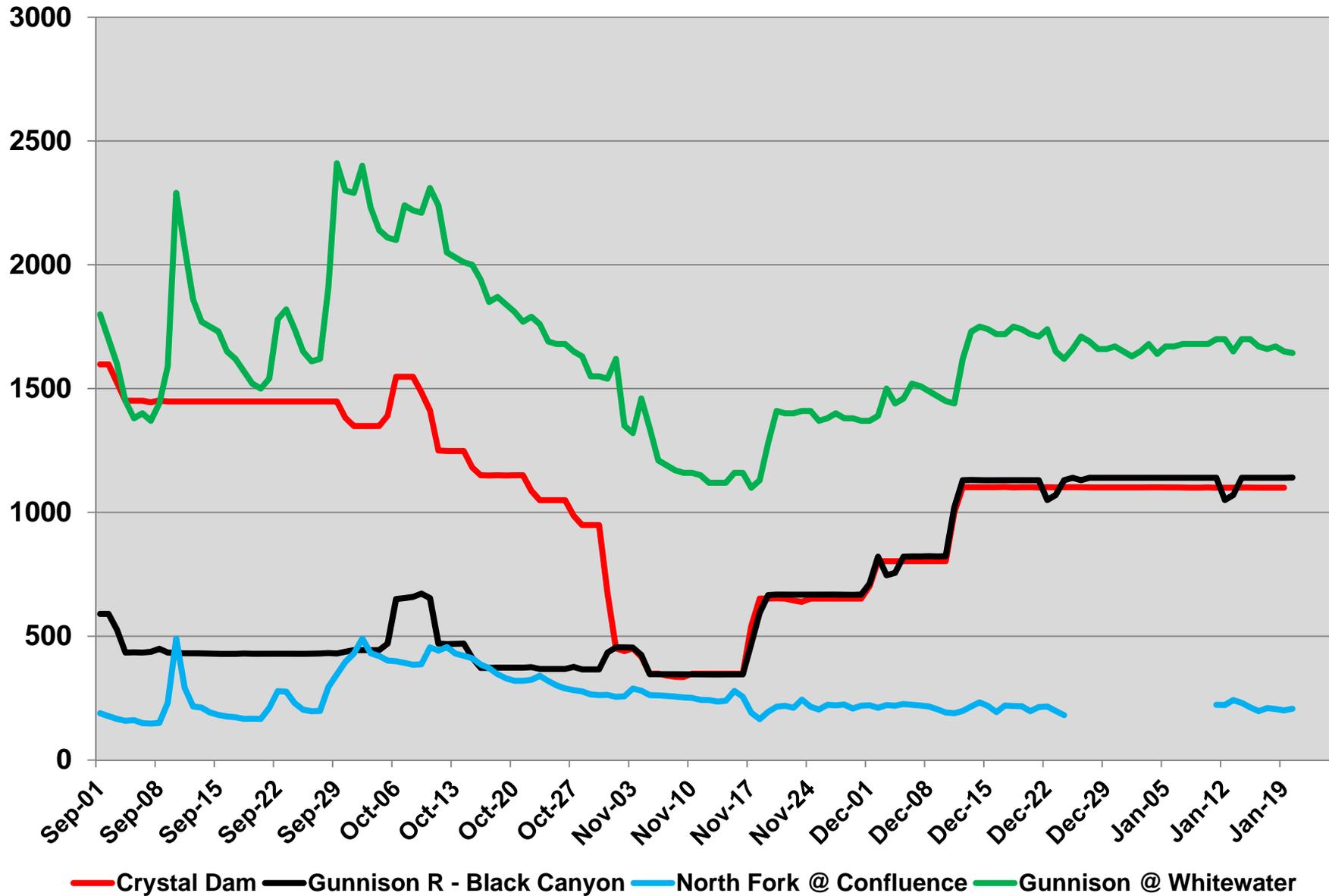
RECLAMATION

September 2014 - January 2015



RECLAMATION

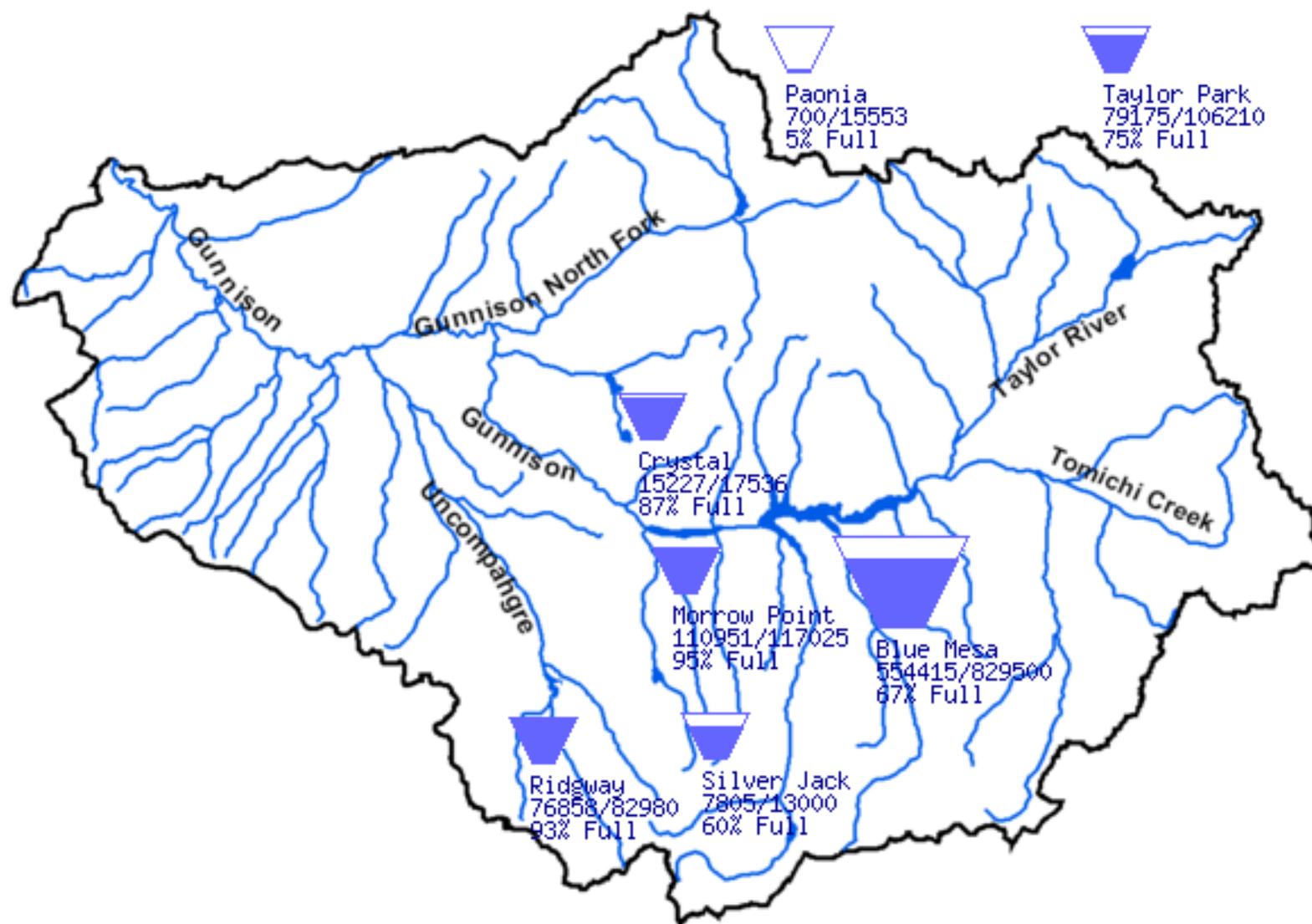
Gunnison River Flows



RECLAMATION

Data Current as of:
01/20/2015

Gunnison River Basin, CO

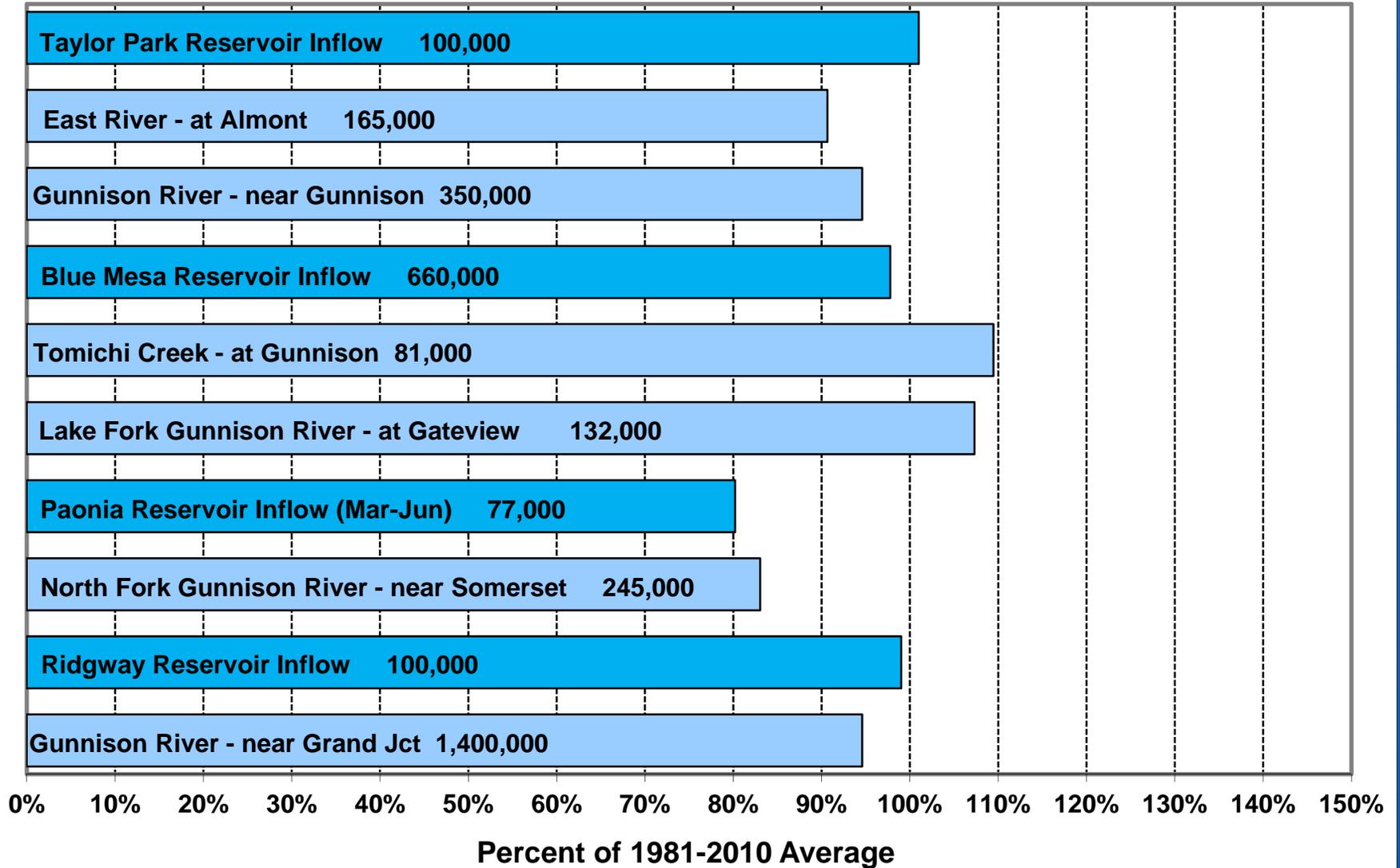


RECLAMATION

FORECASTS AND FUTURE OPERATIONS

RECLAMATION

Forecasted April-July Runoff As of January 1st

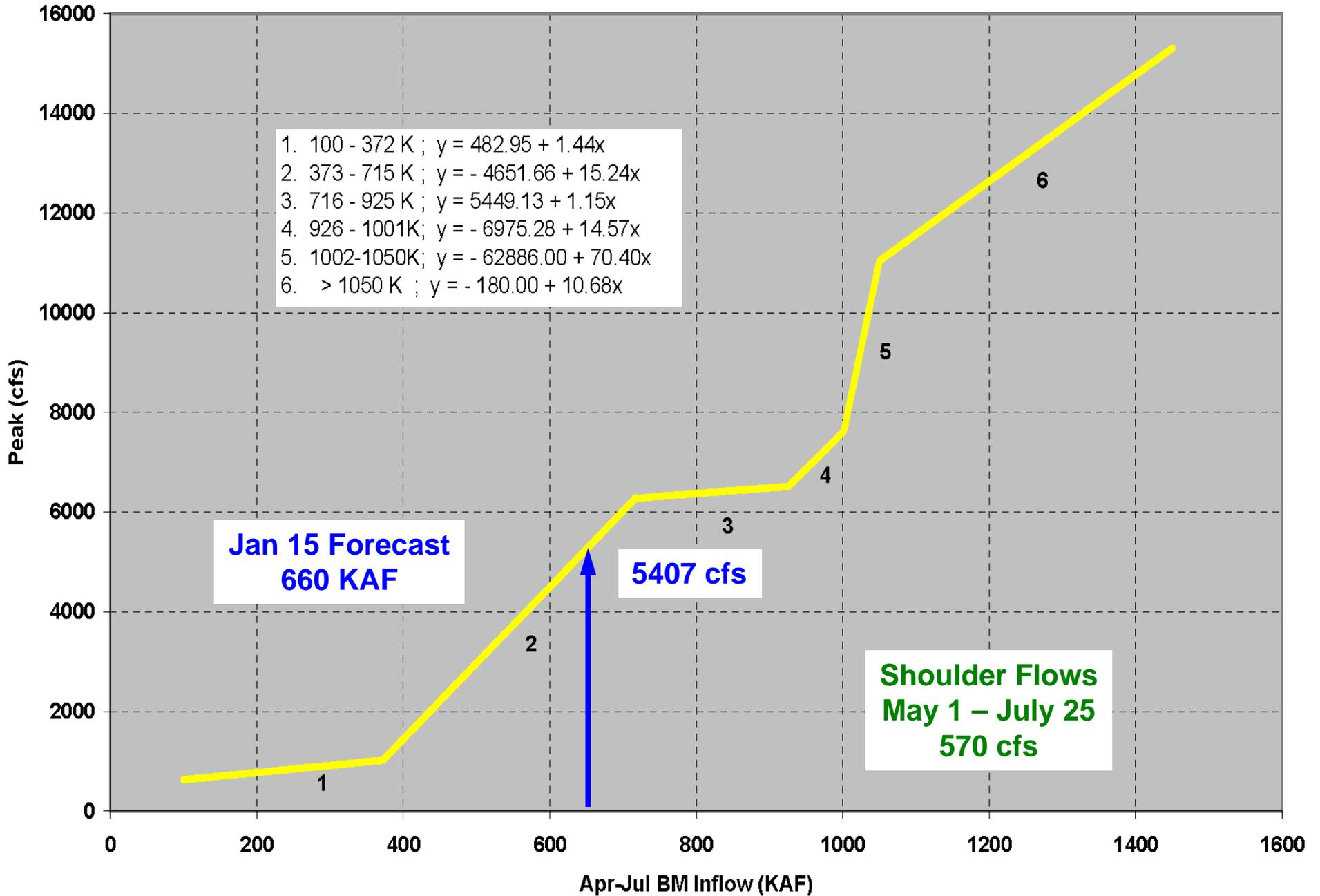


Spring Peak & Duration Targets Based on Hydrologic Year Type

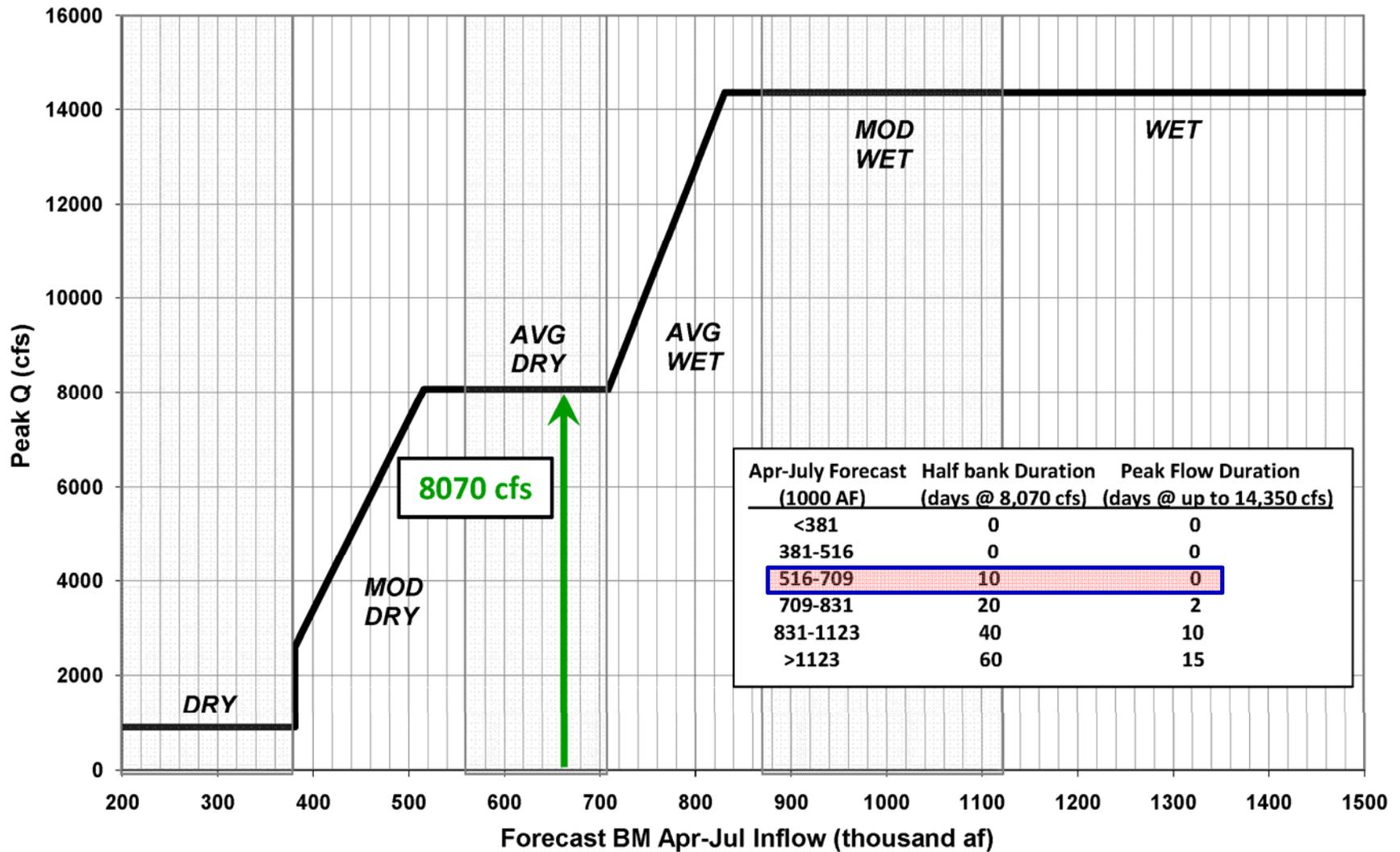
Year Type	Blue Mesa Forecasted April-July Inflow Af	Desired Peak at Whitewater cfs	Duration of Half Bank (8,070 cfs) Days	Duration of Peak Flow (up to 14,350 cfs) Days
DRY	< 381,000	900	0	0
MOD DRY	381,000 to 516,000	2,600 to 8,070	0	0
AVG DRY	516,001 to 709,000	8,070	10	0
AVG WET	709,001 to 831,000	8,070 to 14,350	20	2
MOD WET	831,001 to 1,123,000	14,350	40	10
WET	>1,123,000	14,350	60	15

RECLAMATION

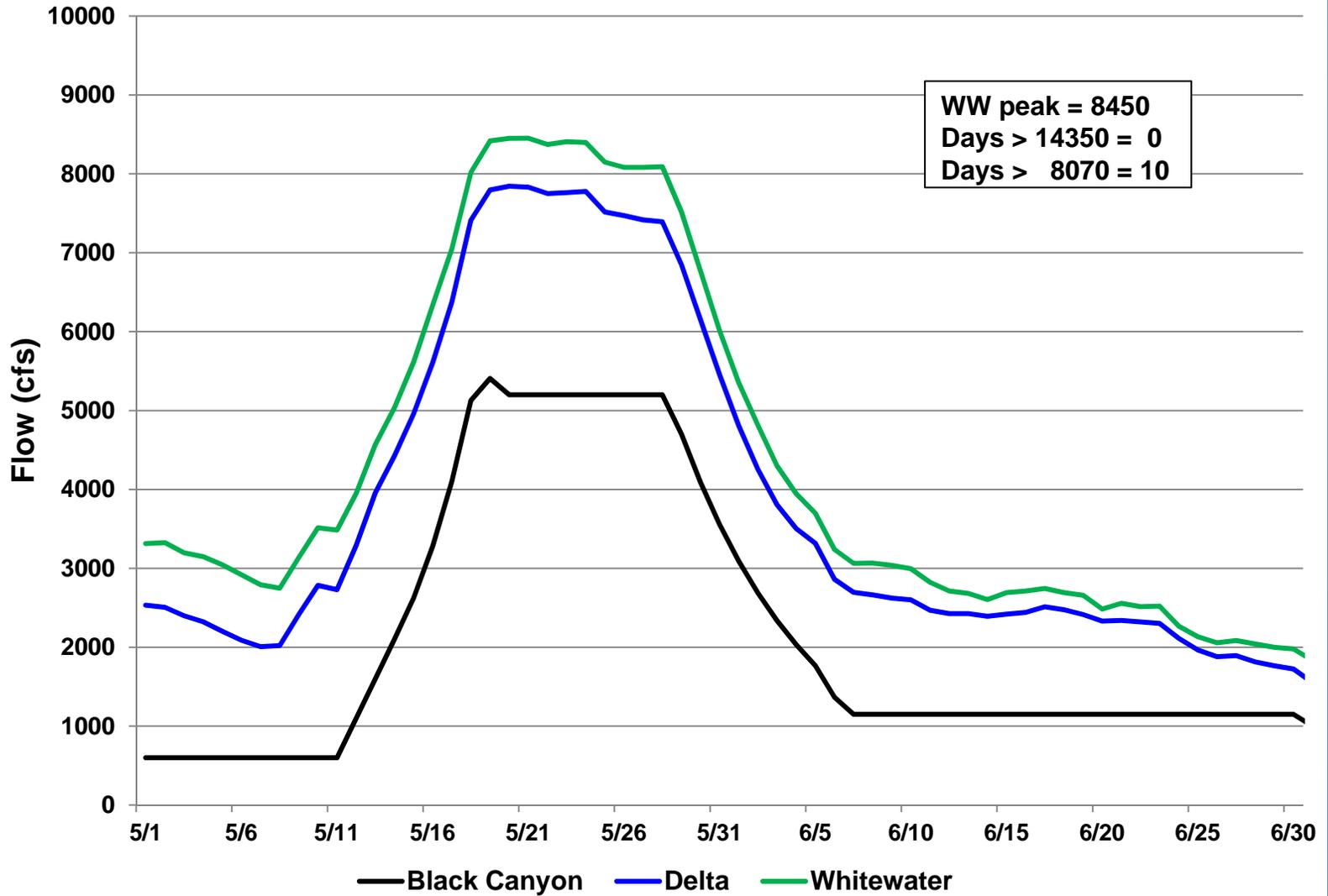
Black Canyon Peak Flow Determination based on Blue Mesa May 1 forecast



Peak Flow and Duration Day Targets at Whitewater



Gunnison River Flows



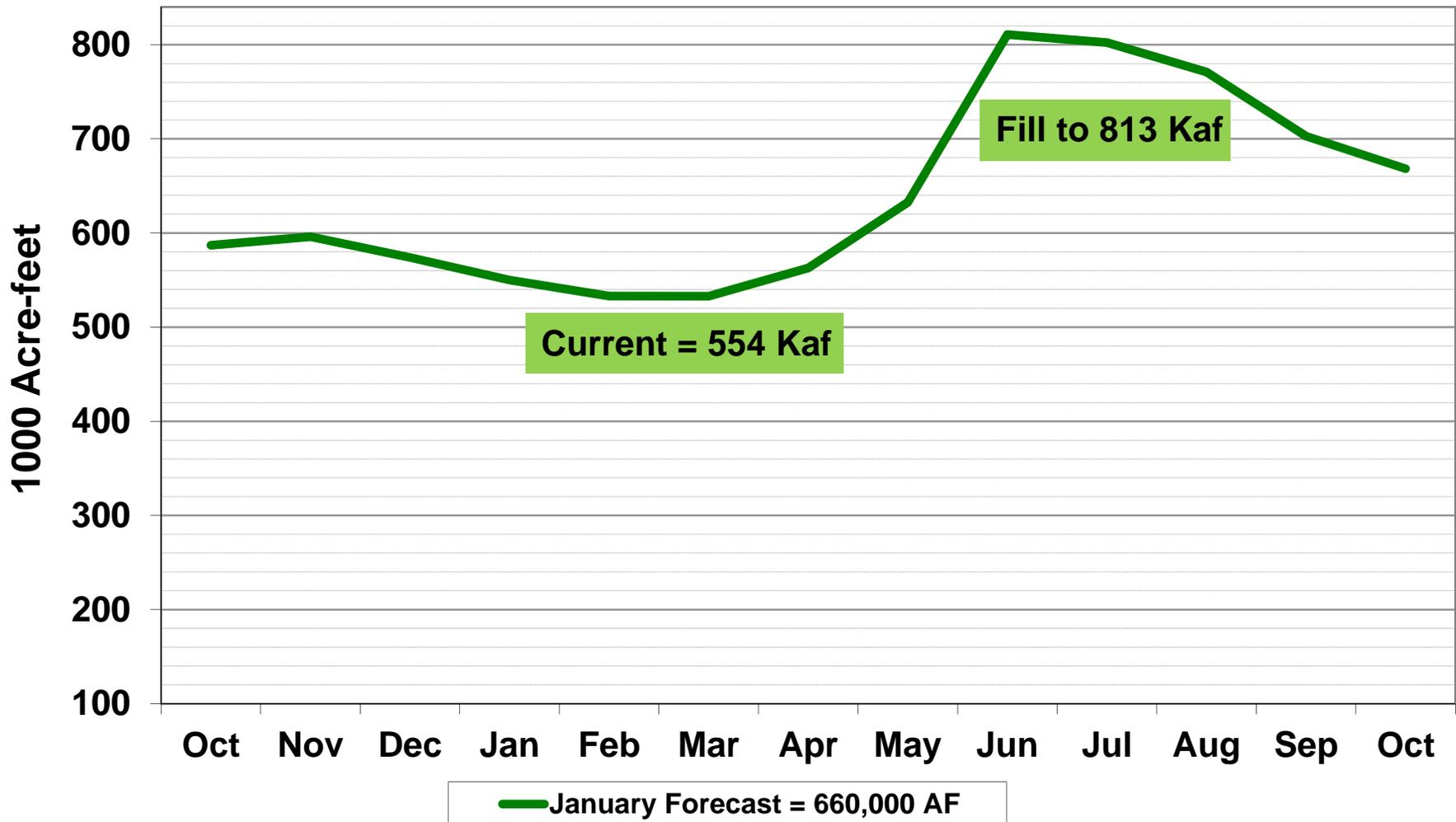
Baseflow Targets

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

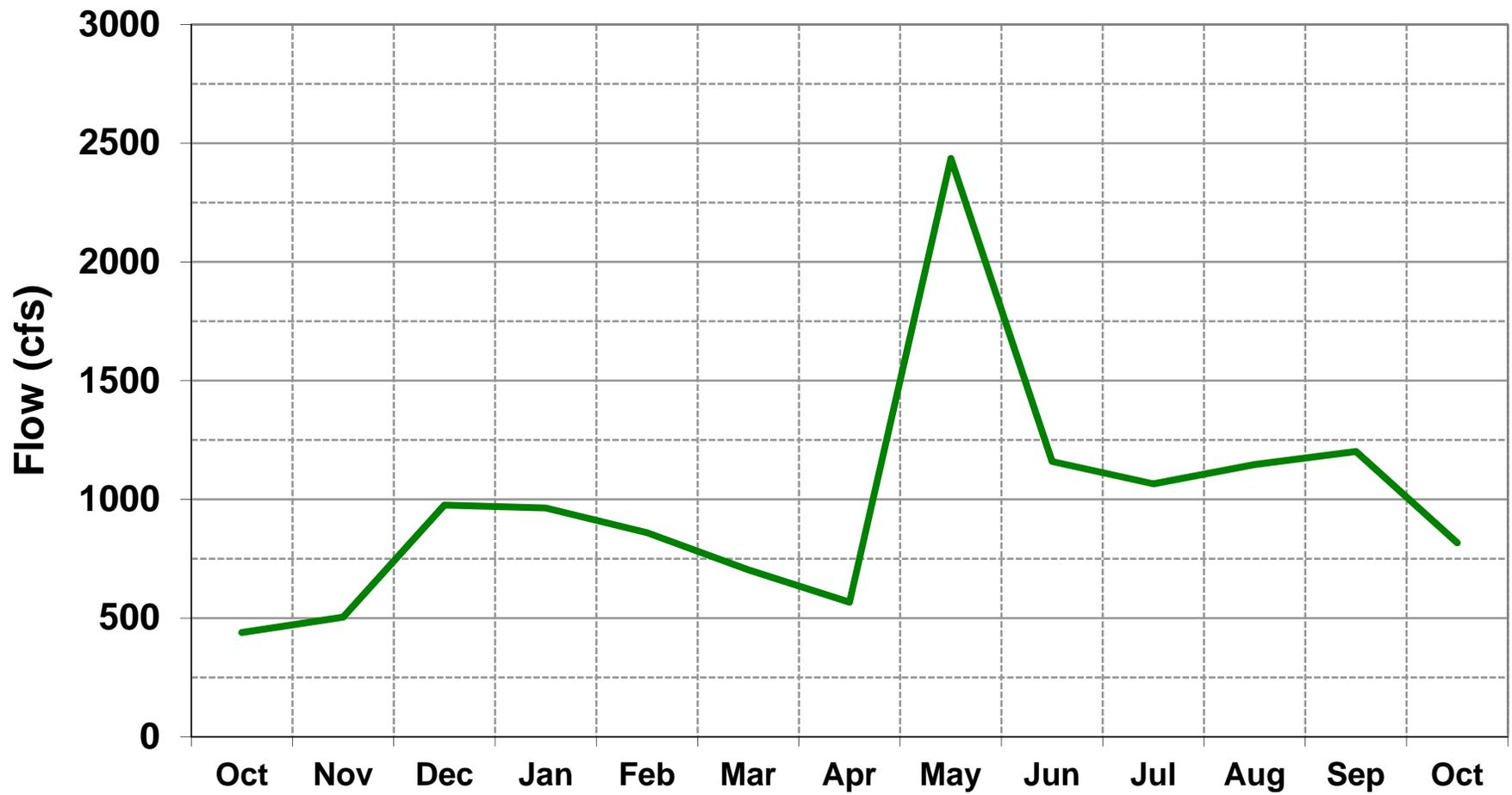
Blue Mesa Content End of Month



RECLAMATION

Gunnison River - Black Canyon

Monthly Average Flow



RECLAMATION

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



RECLAMATION