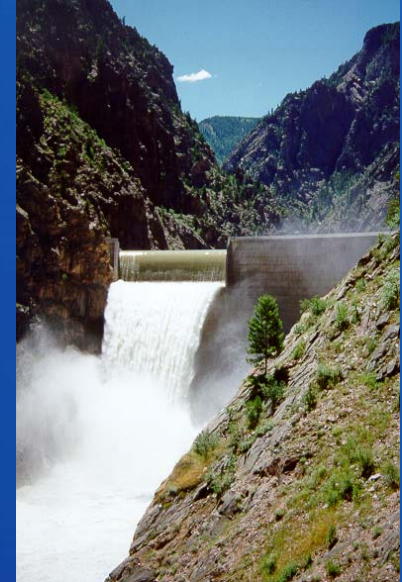


Aspinall Operations Meeting

April 28, 2016



RECLAMATION

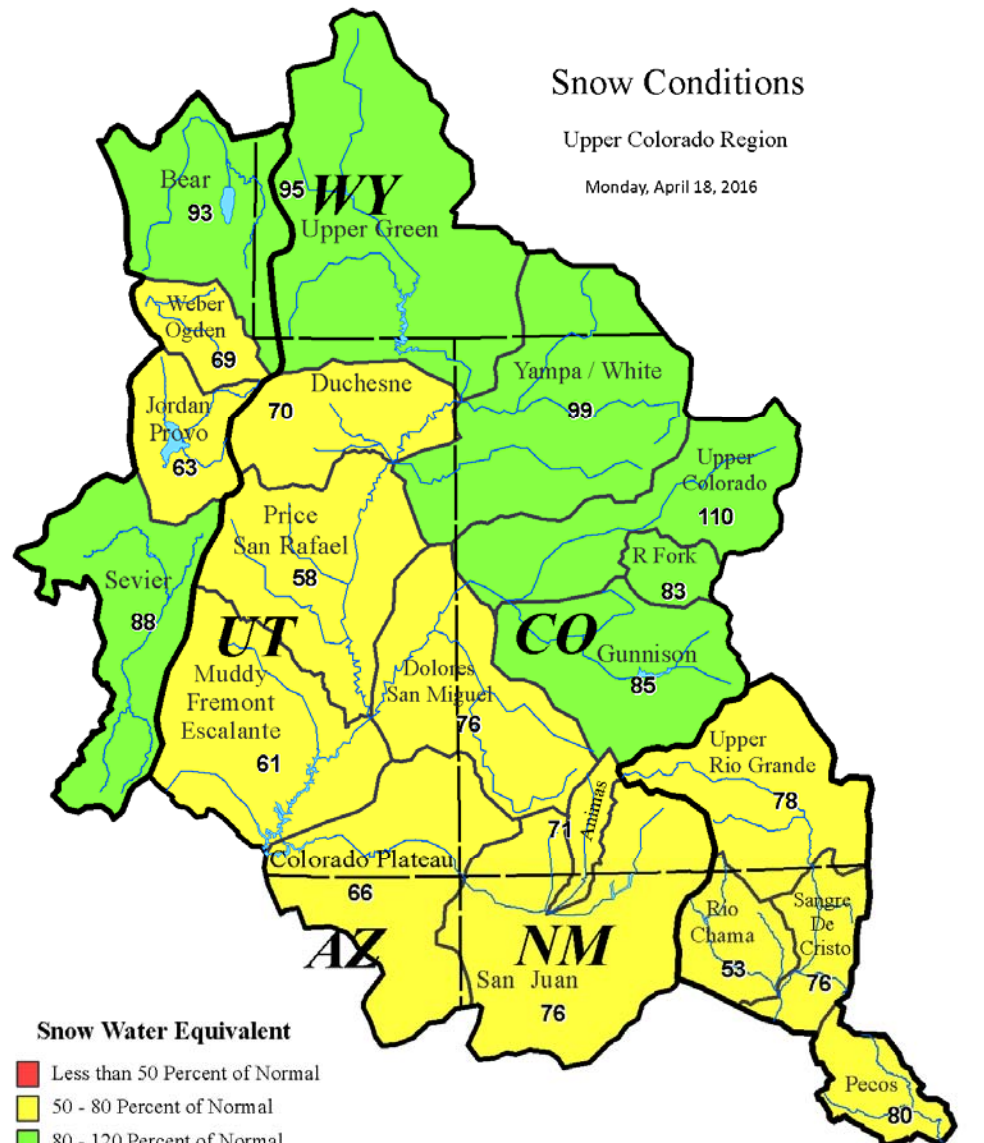
SNOWPACK SUMMARY

RECLAMATION

Snow Conditions

Upper Colorado Region

Monday, April 18, 2016



Snow Water Equivalent

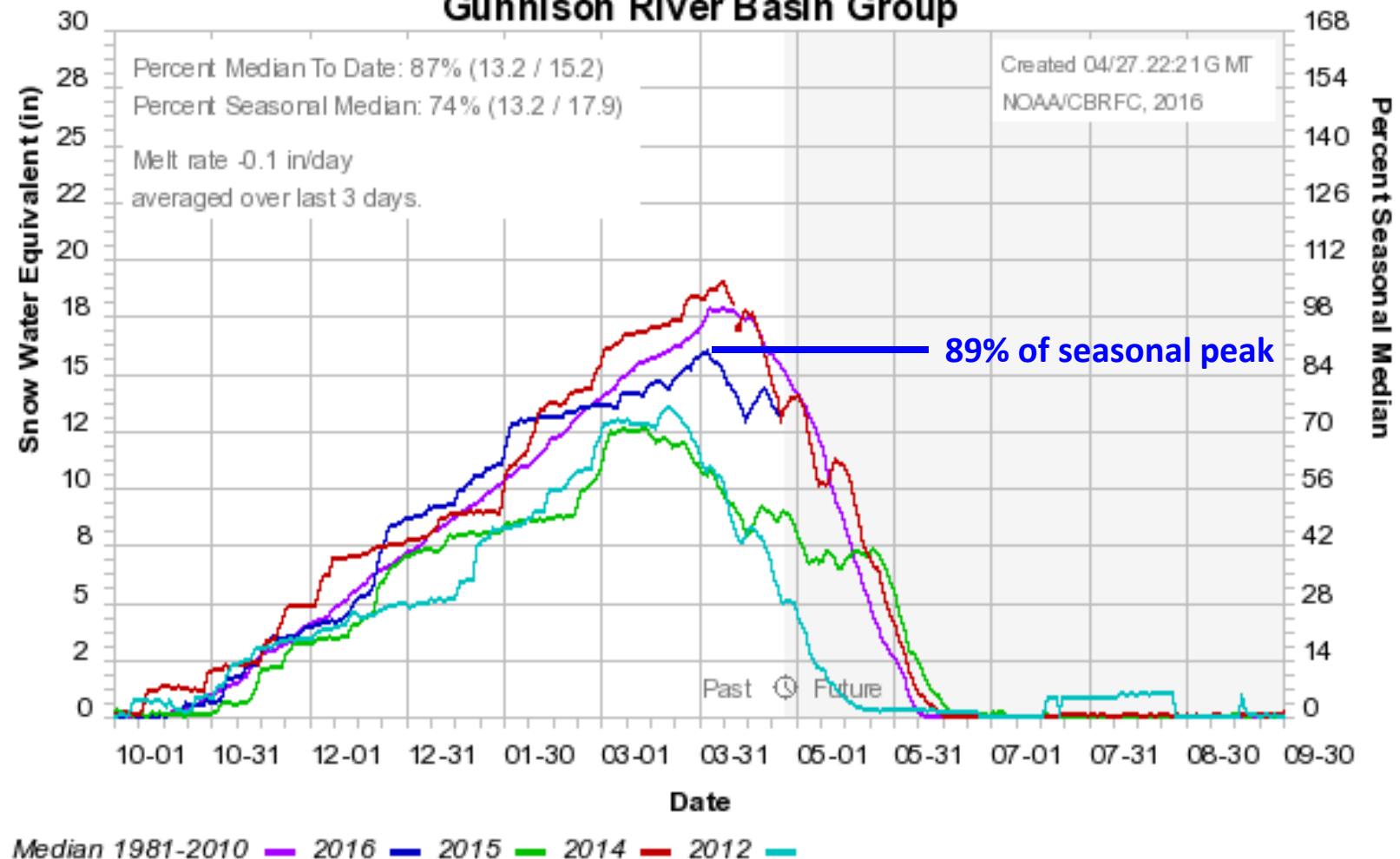
- Less than 50 Percent of Normal
- 50 - 80 Percent of Normal
- 80 - 120 Percent of Normal
- 120 - 150 Percent of Normal
- Greater than 150 Percent of Normal

Data Provided by the Natural Resource Conservation Service

Upper Colorado
GIS
Region

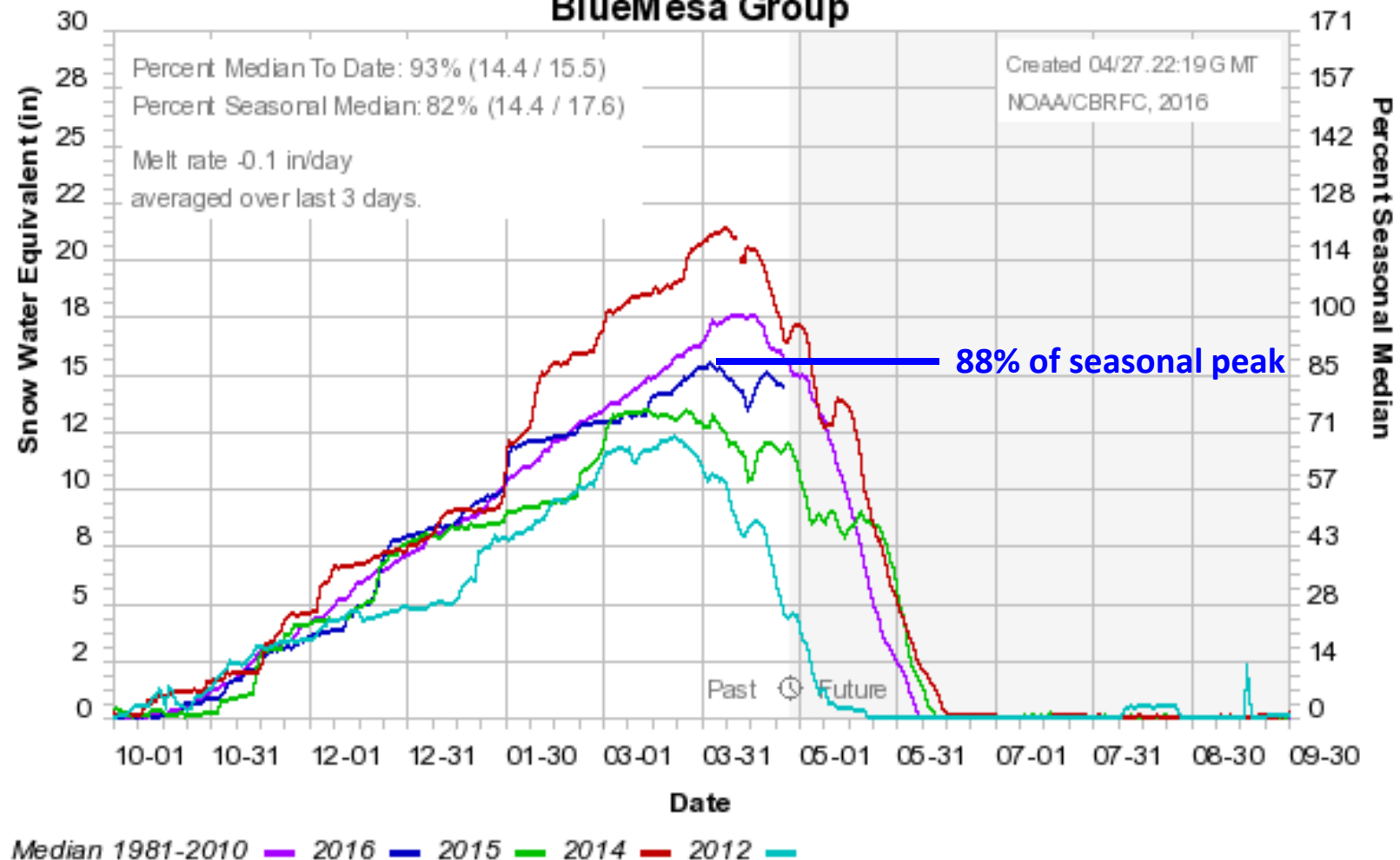
RECLAMATION

Colorado Basin River Forecast Center Gunnison River Basin Group



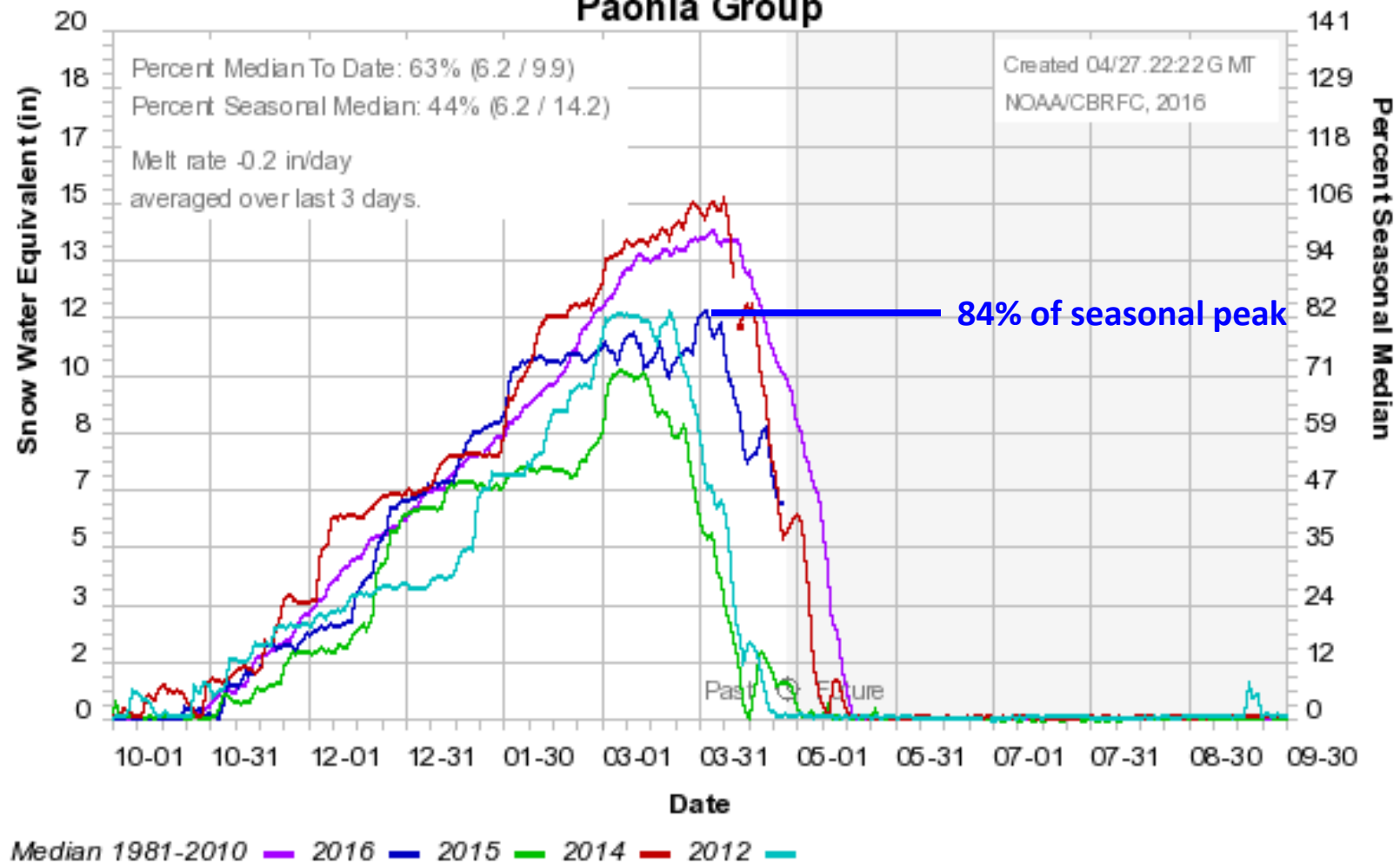
RECLAMATION

Colorado Basin River Forecast Center BlueMesa Group



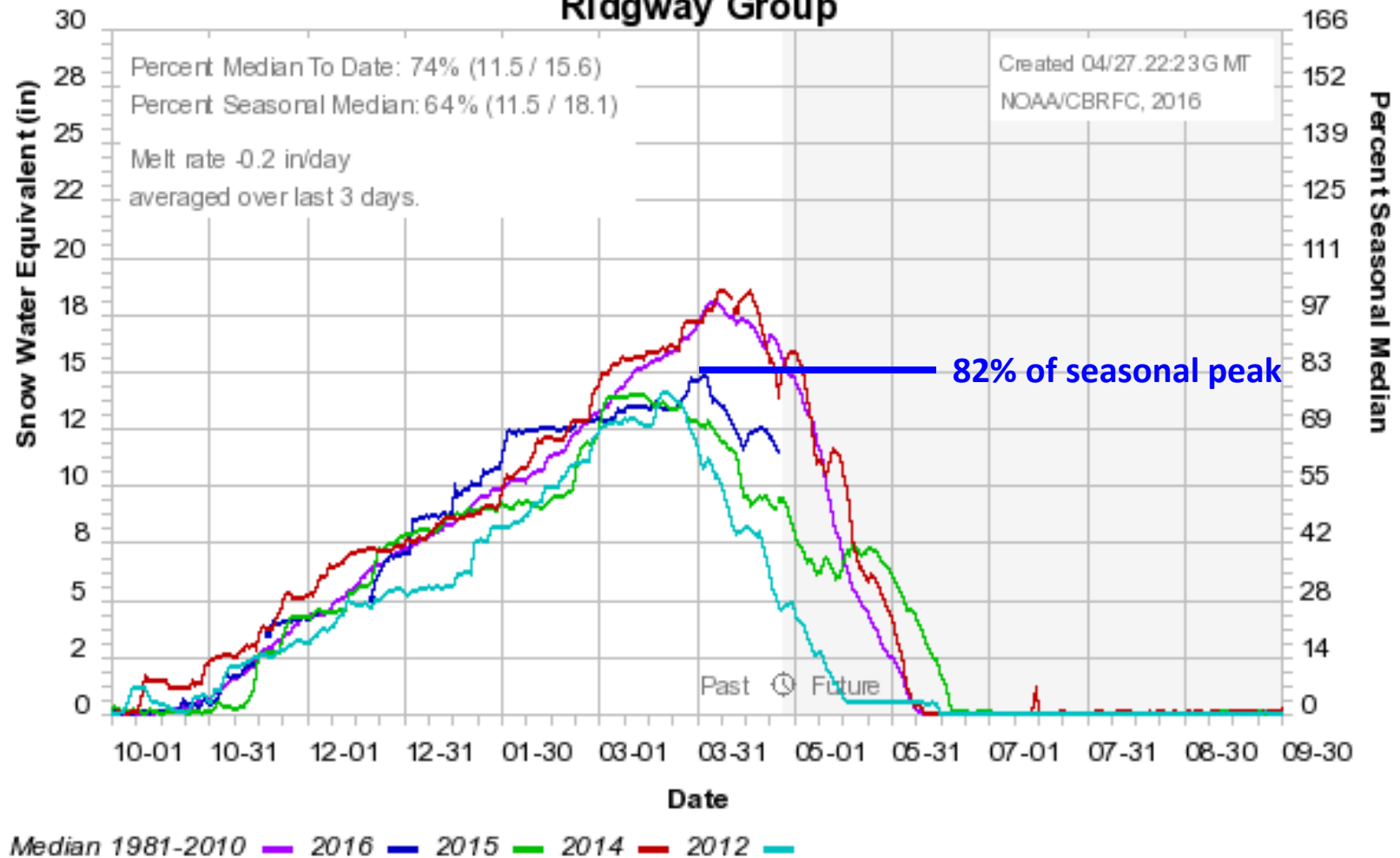
RECLAMATION

Colorado Basin River Forecast Center Paonia Group



RECLAMATION

Colorado Basin River Forecast Center Ridgway Group

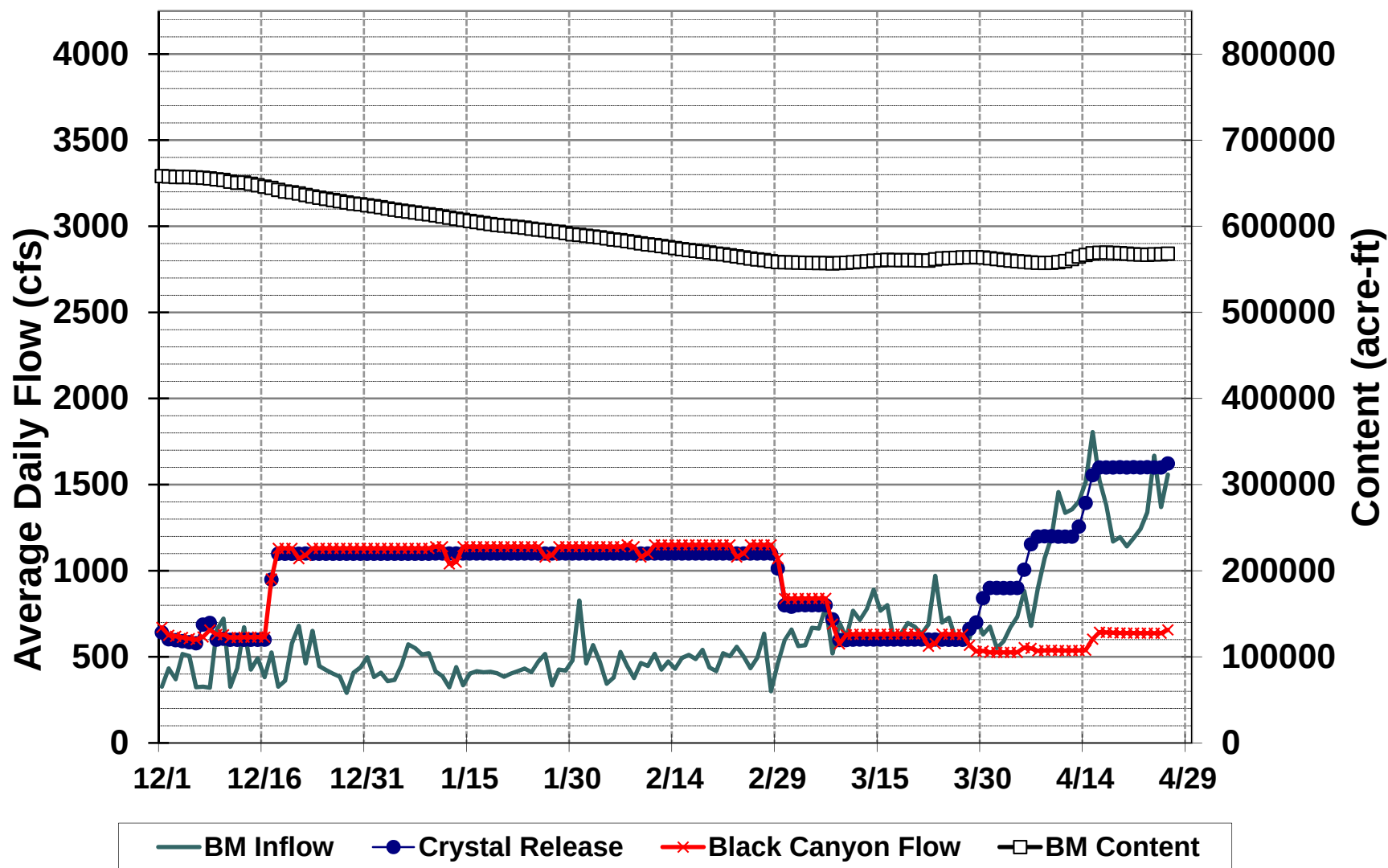


RECLAMATION

RESERVOIR AND RIVER STATUS

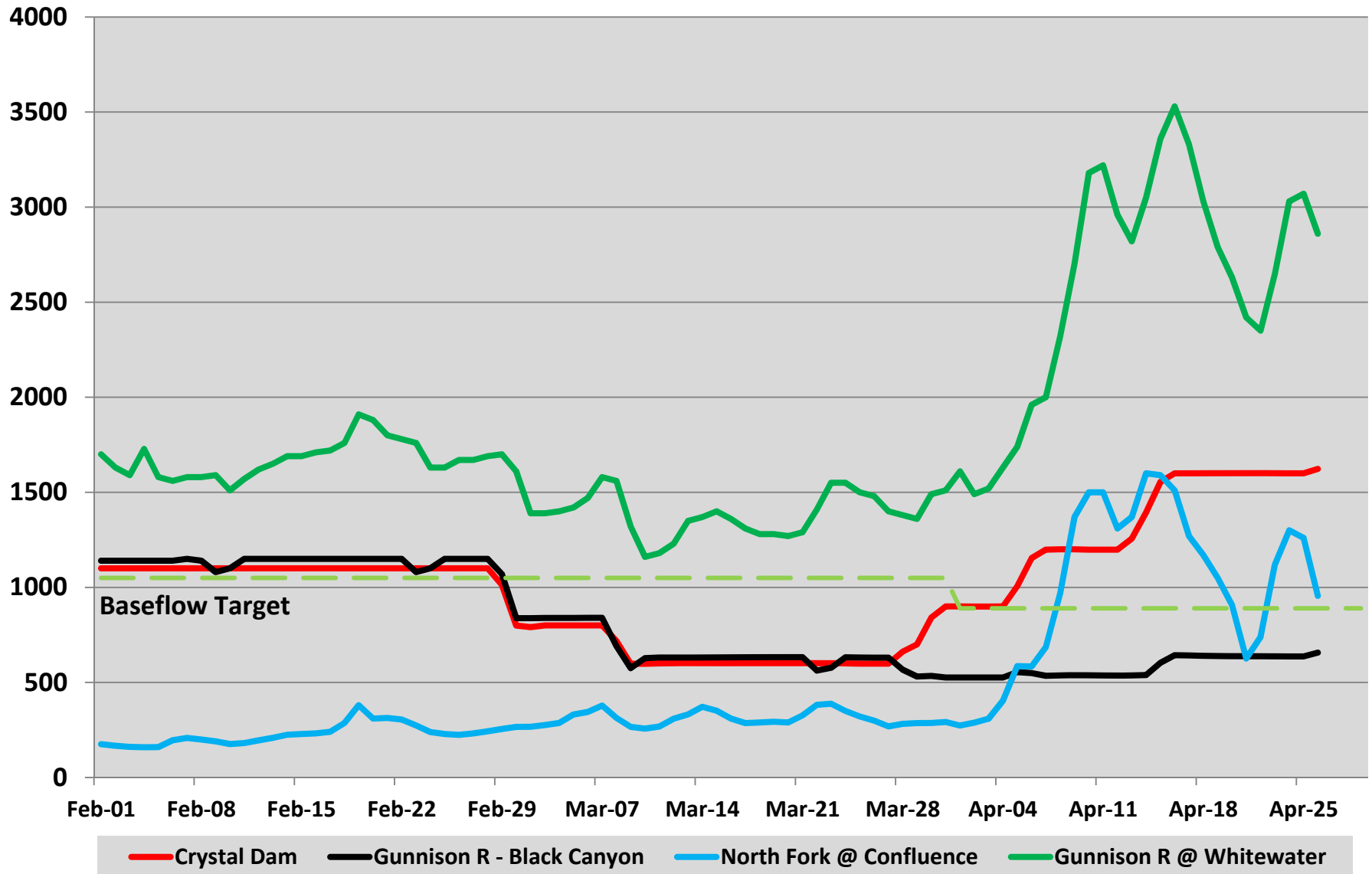
RECLAMATION

December 2015 - April 2016



RECLAMATION

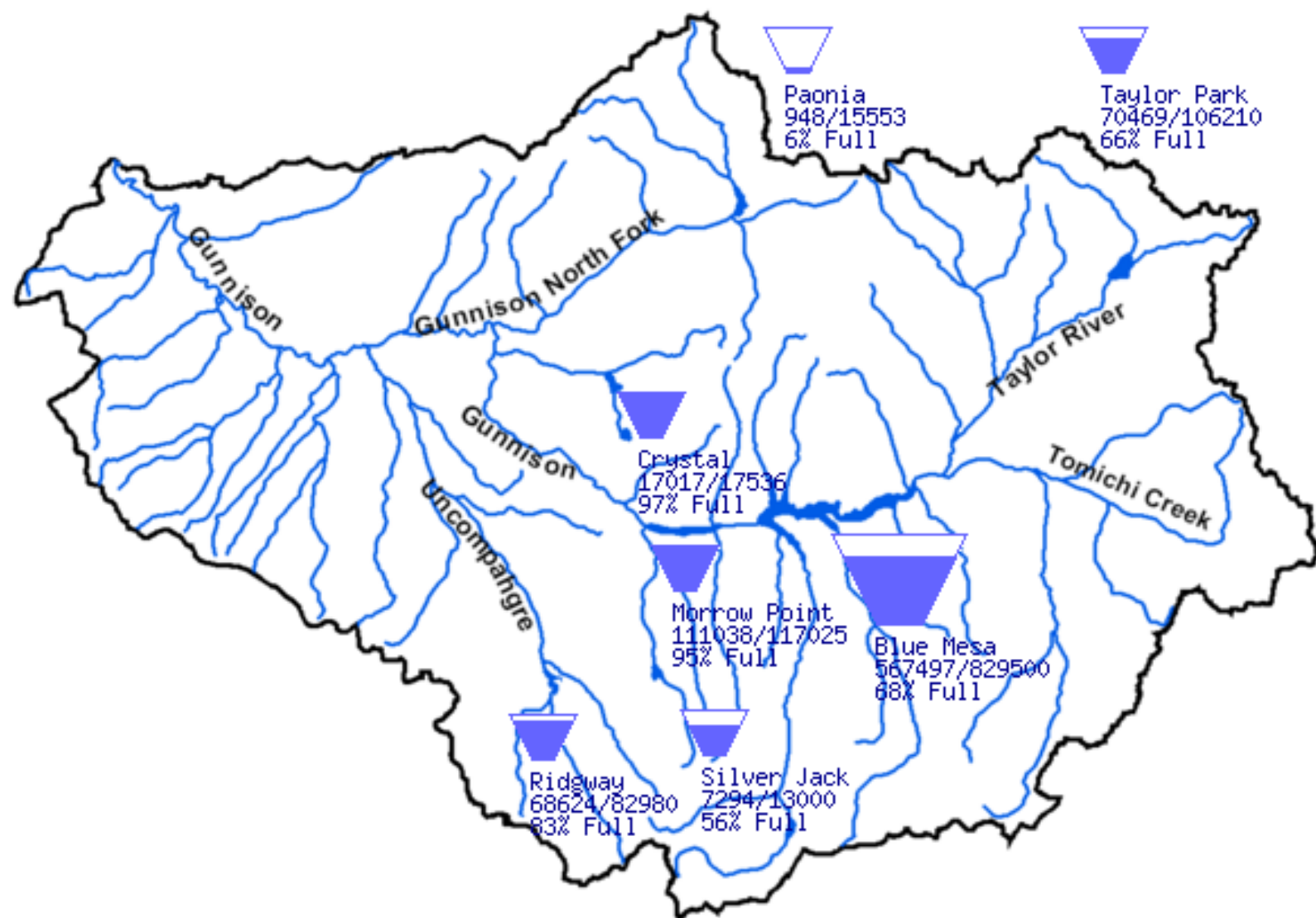
Gunnison River Flows



RECLAMATION

Data Current as of:
04/25/2016

Gunnison River Basin, CO

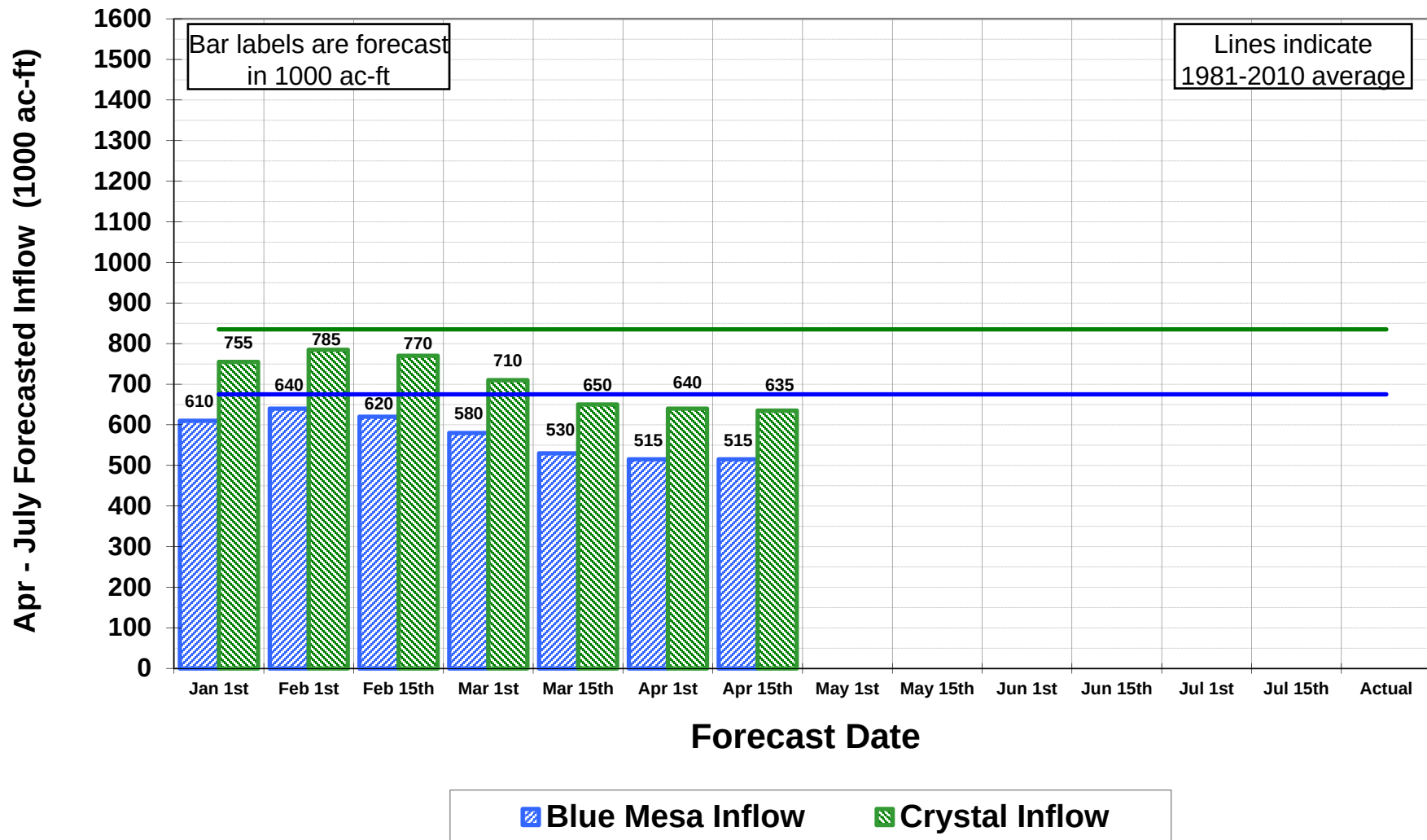


RECLAMATION

RUNOFF FORECASTS

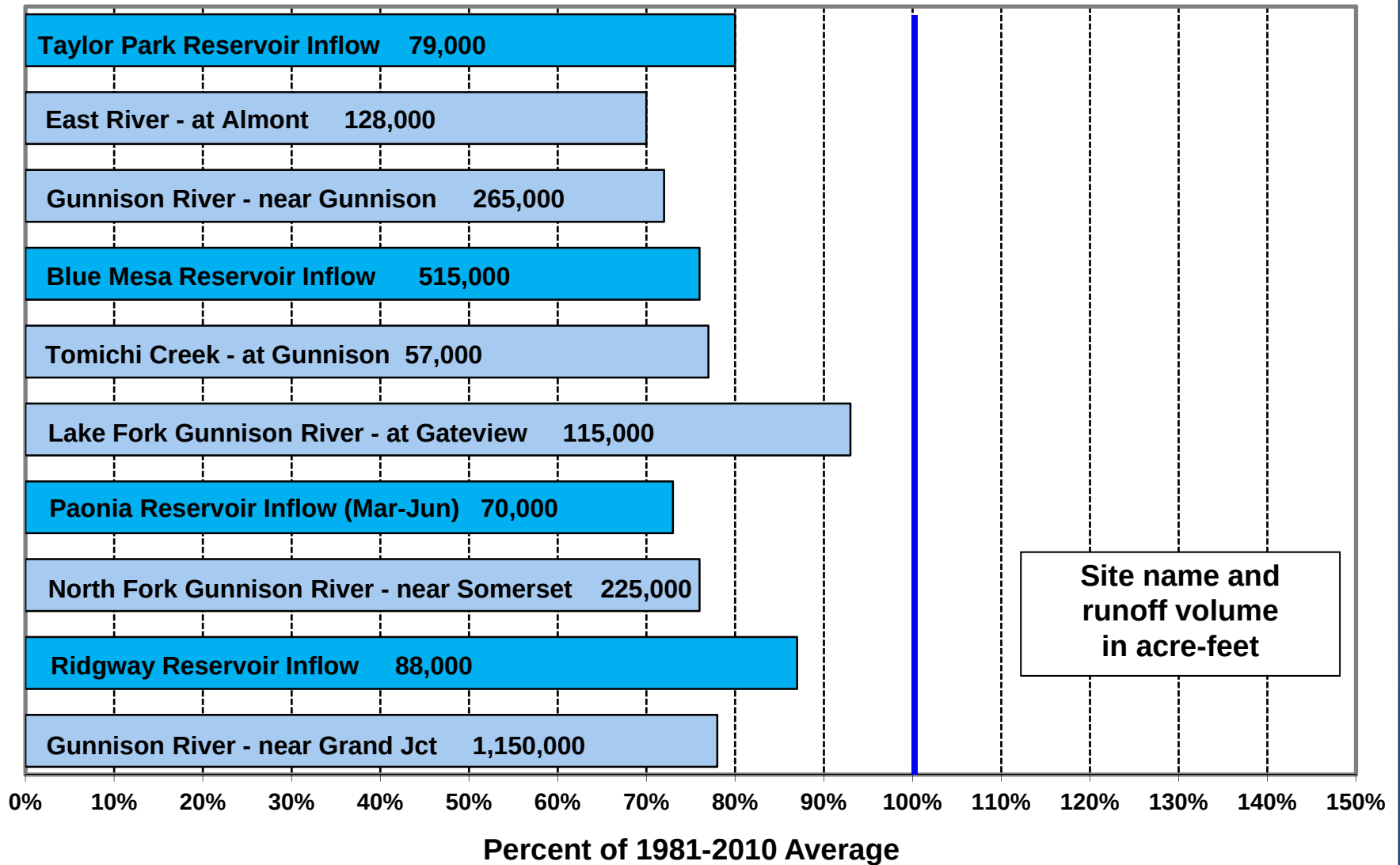
RECLAMATION

Aspinall Unit Forecasted Unregulated Inflow



RECLAMATION

Forecasted April-July Runoff As of April 1st



RECLAMATION

Spring Peak & Duration Targets Based on Hydrologic Year Type

Mid-Apr
515,000



Year Type	Blue Mesa Forecasted	Desired Peak at Whitewater	Duration of Half Bank (8,070 cfs)	Duration of Peak Flow (up to 14,350 cfs)
	April-July Inflow			
	Af	cfs	Days	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

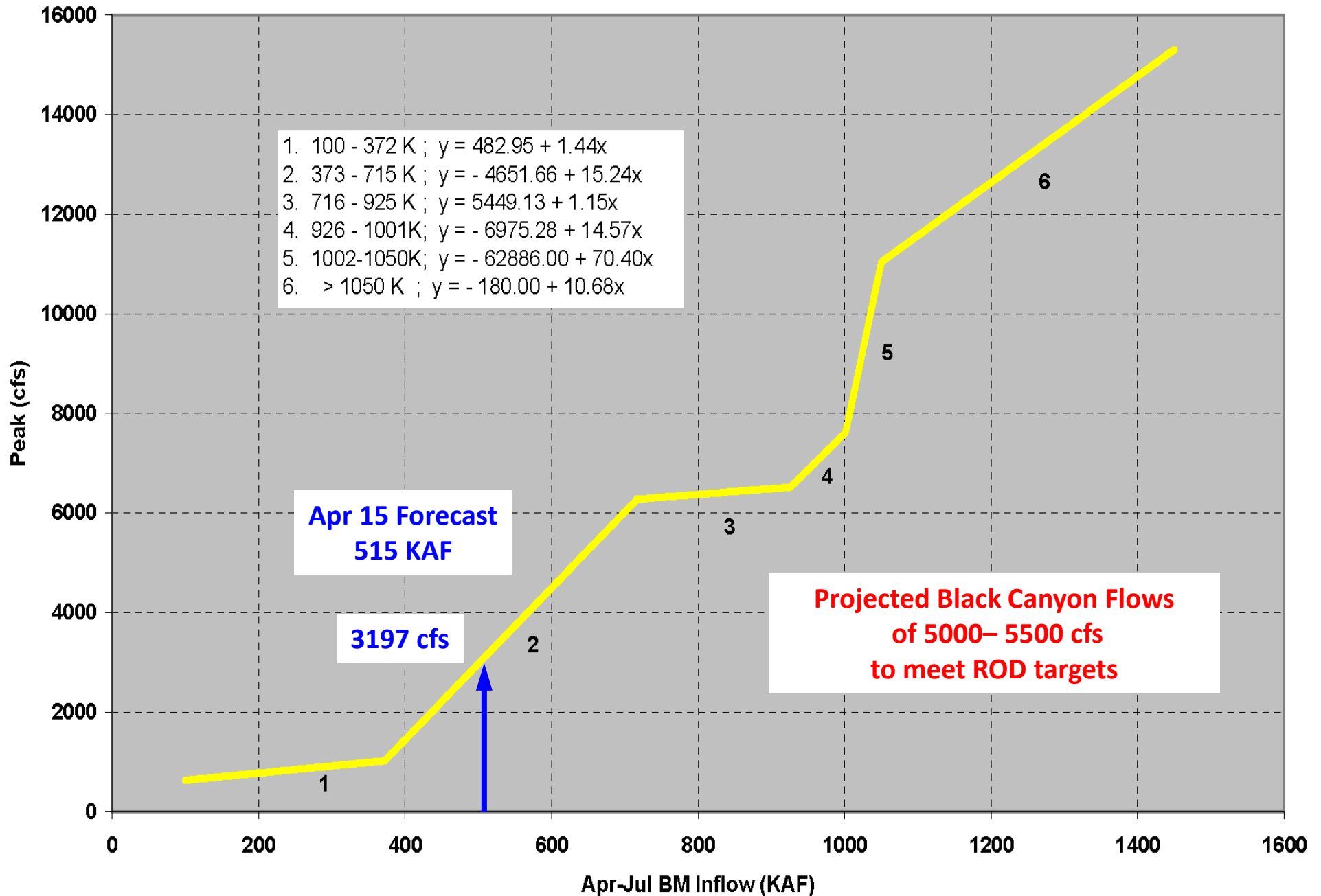
RECLAMATION

PROJECTED OPERATIONS

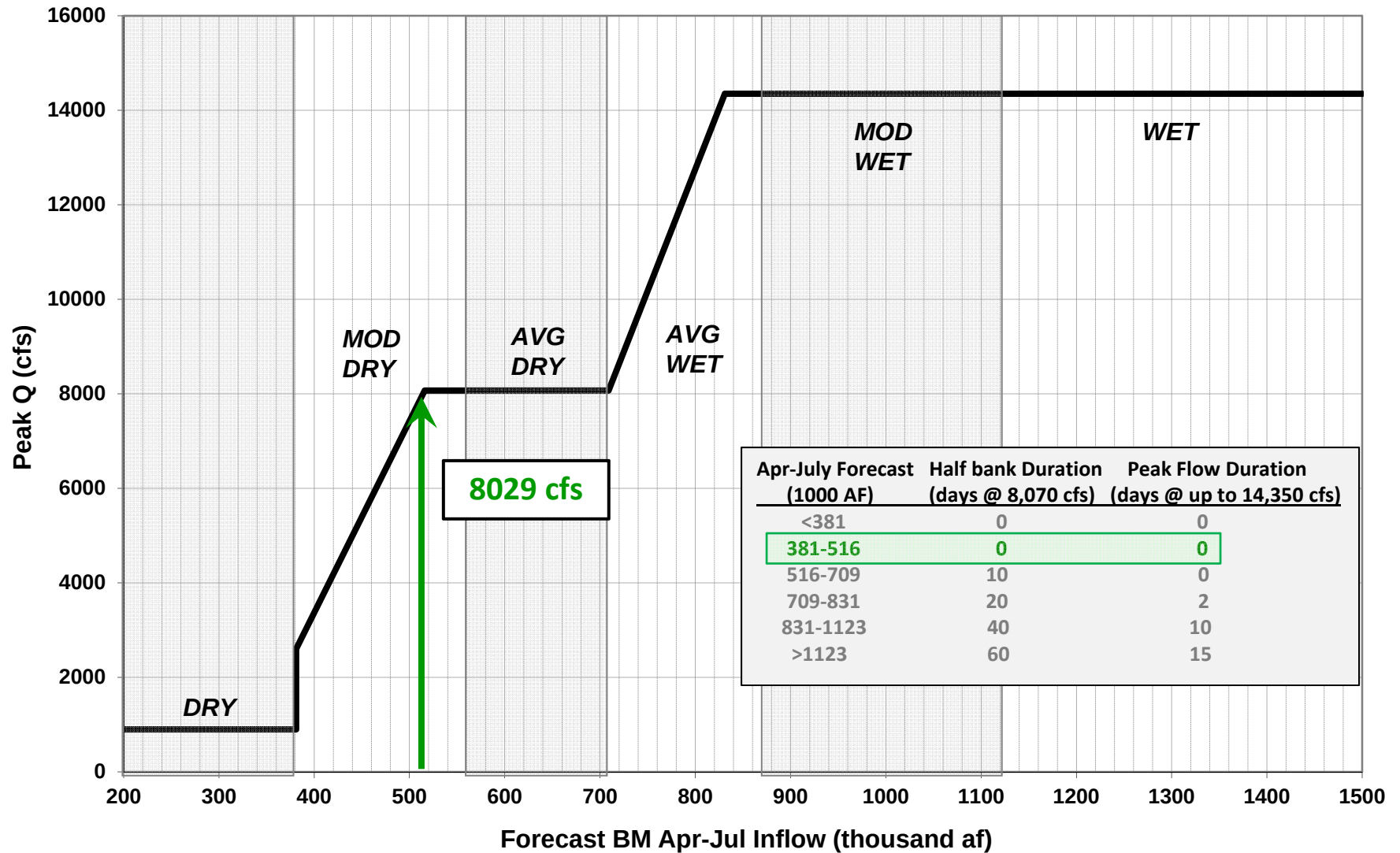
RECLAMATION

Black Canyon Peak Flow Determination

based on Blue Mesa May 1 forecast

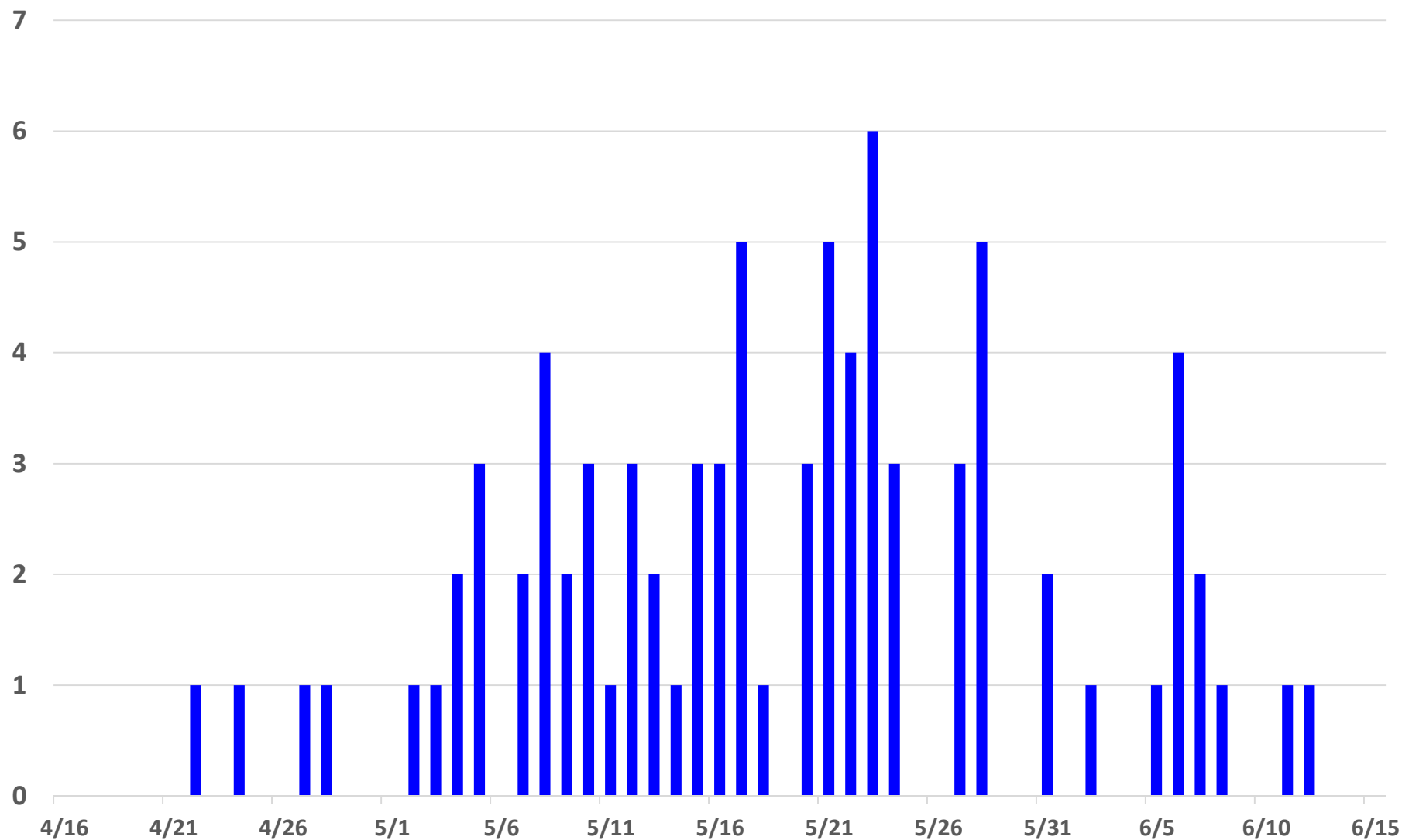


Peak Flow and Duration Day Targets at Whitewater



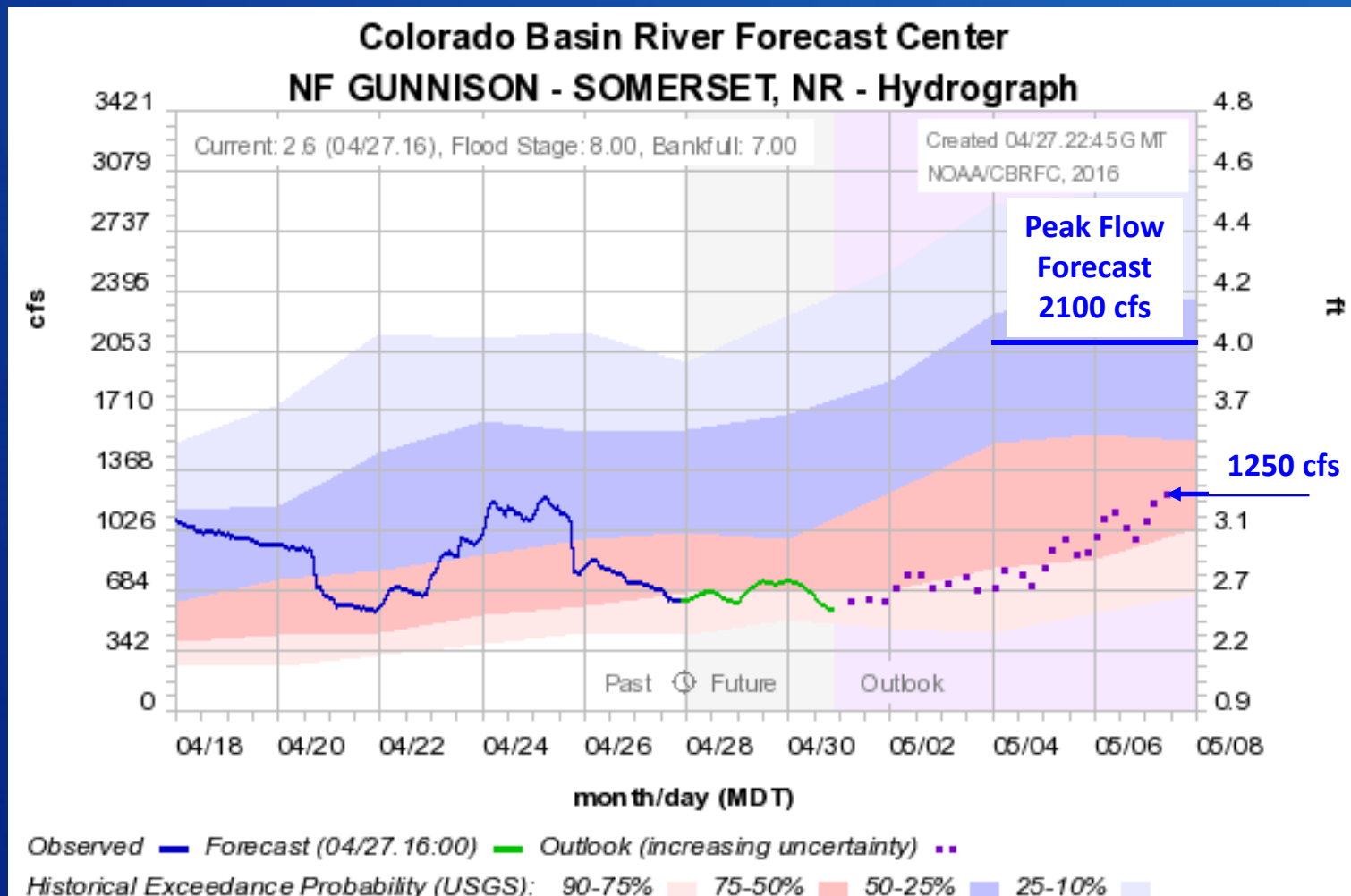
RECLAMATION

North Fork of the Gunnison River Peak Flow Timing at Somerset (1934-2015)



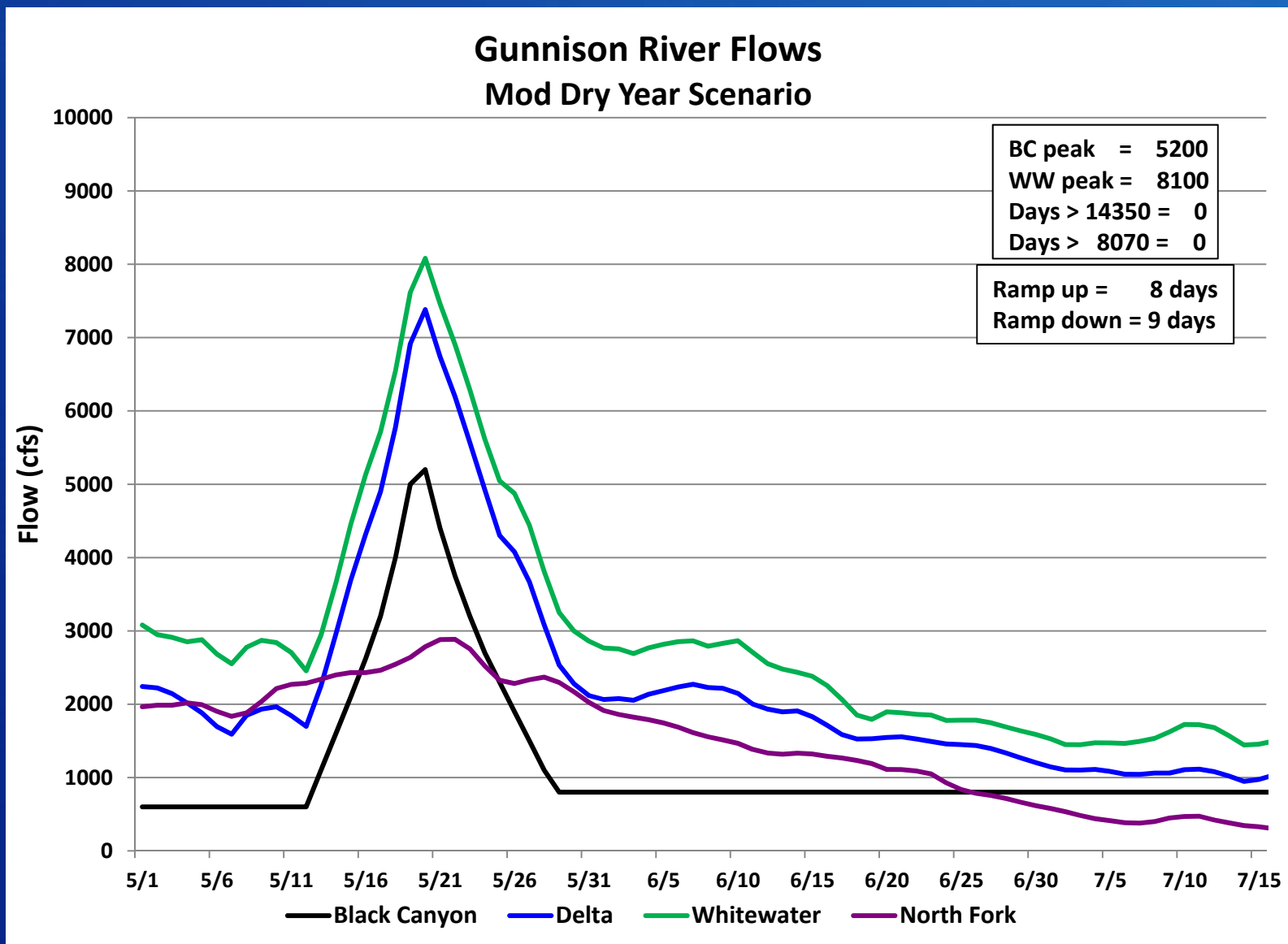
RECLAMATION

North Fork of the Gunnison River Forecasted Streamflows



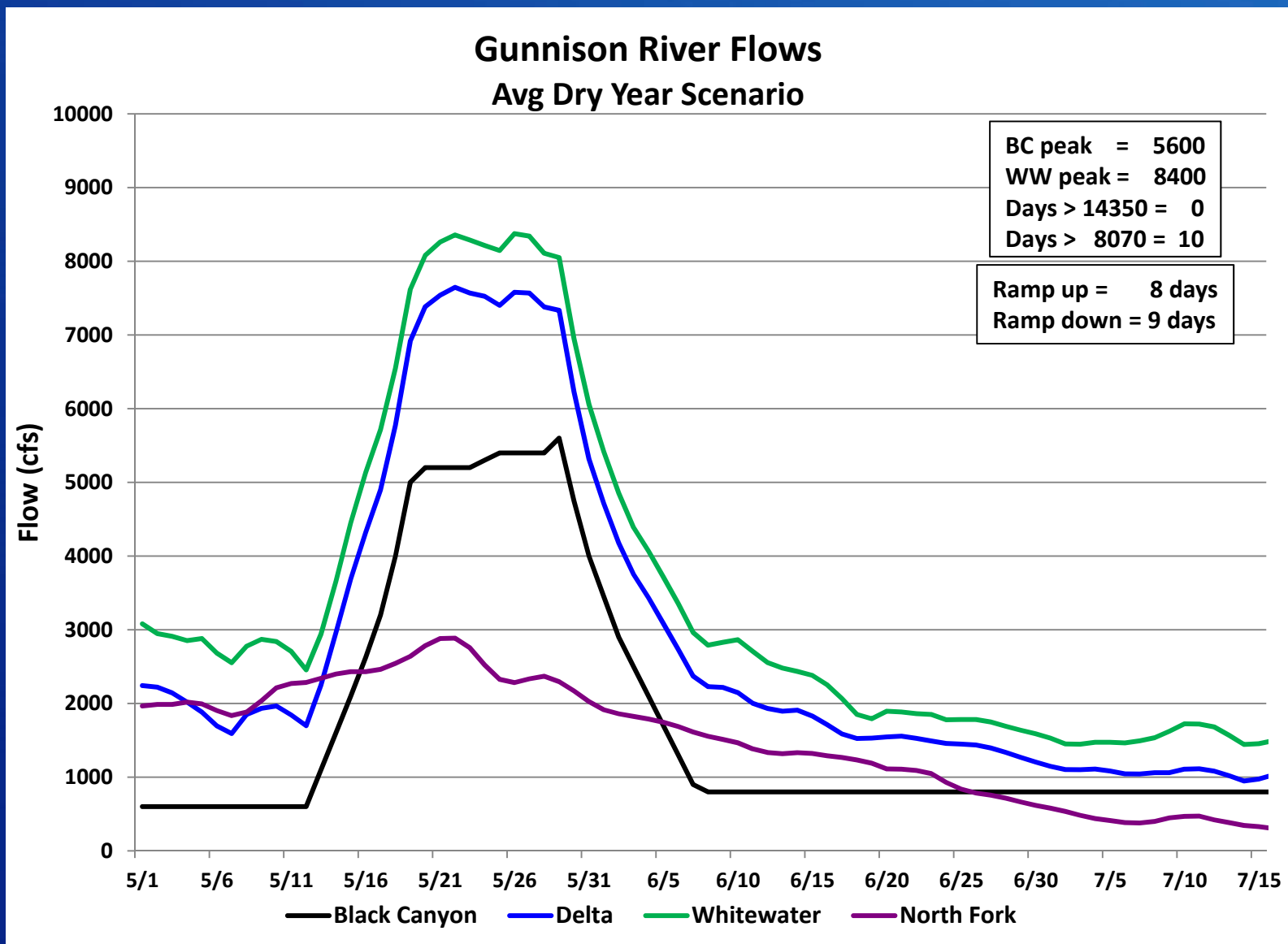
RECLAMATION

Projection of Flows in the Gunnison River while meeting the Aspinall ROD Flow Targets



RECLAMATION

Projection of Flows in the Gunnison River while meeting the Aspinall ROD Flow Targets



RECLAMATION

Baseflow Targets

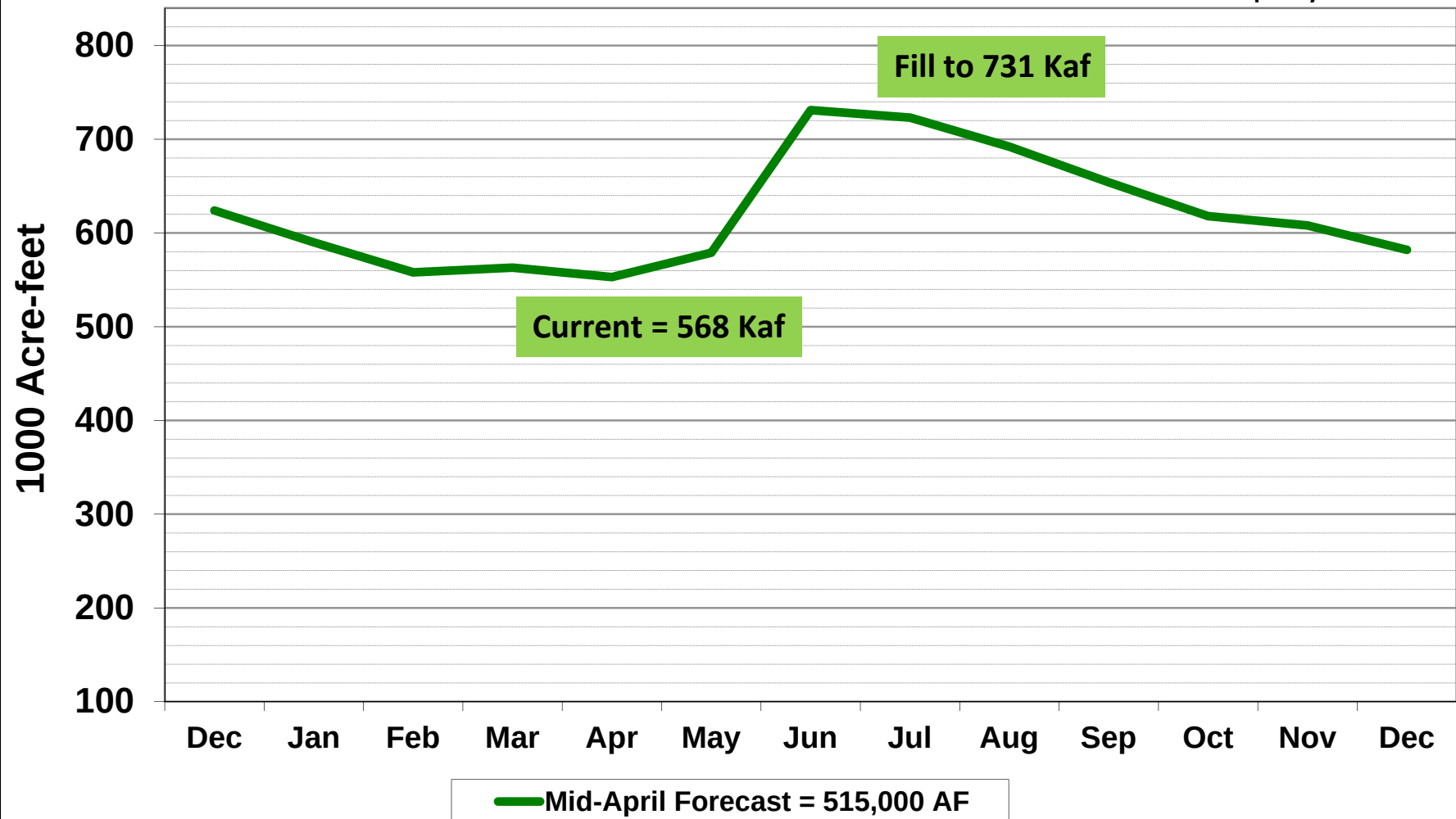
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Wet	1050	1050	1050	1050	1050	1500	1500	1500	1050	1050	1050	1050
Mod Wet	1050	1050	1050	1050	1050	1500	1500	1500	1050	1050	1050	1050
Avg Wet	1050	1050	1050	1050	1050	1500	1500	1050	1050	1050	1050	1050
Avg Dry	1050	1050	1050	1050	1050	1500	1500	1050	1050	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

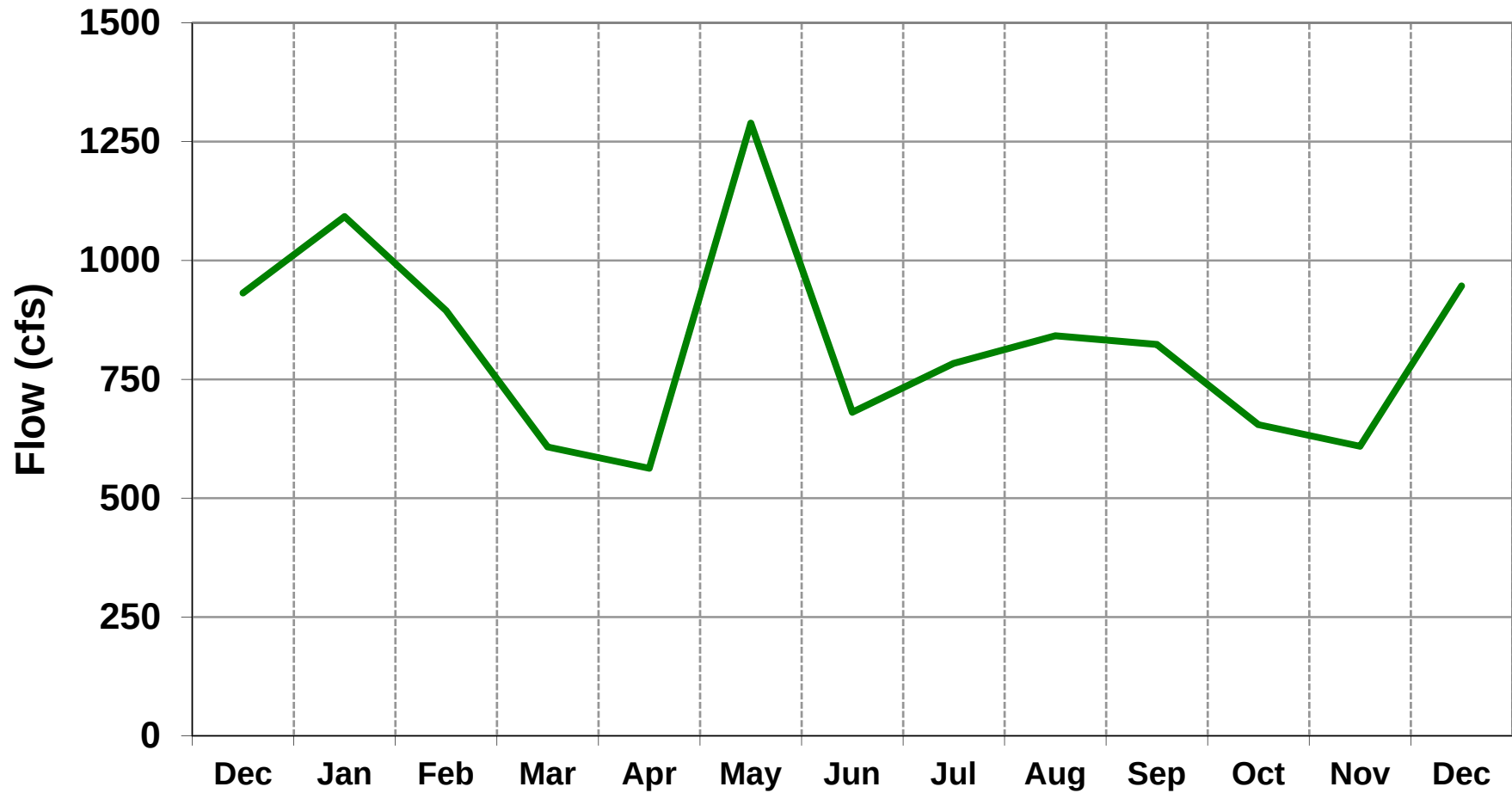
Maximum Capacity = 829.5 Kaf



RECLAMATION

Gunnison River - Black Canyon

Monthly Average Flow

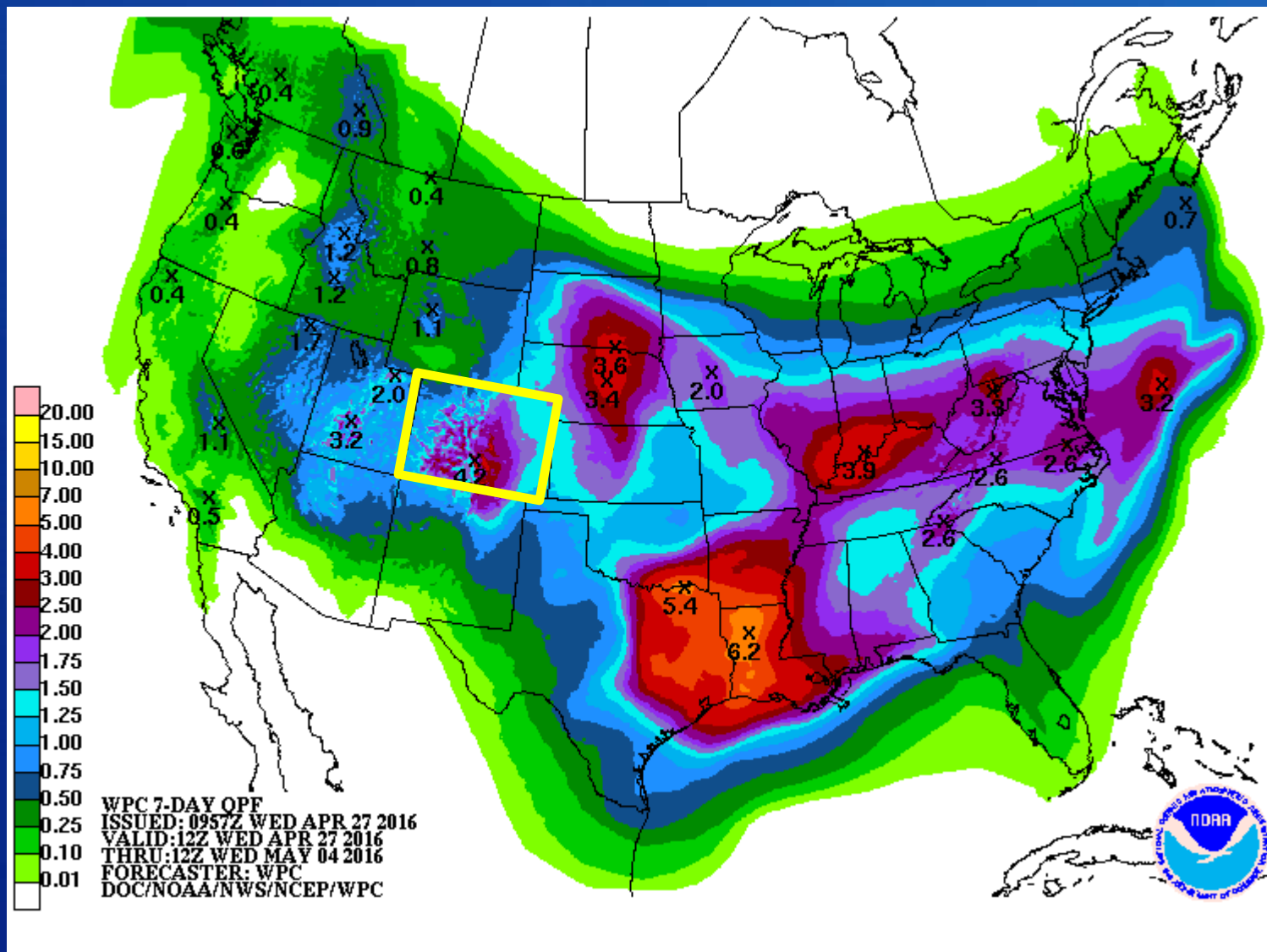


RECLAMATION

WEATHER OUTLOOK

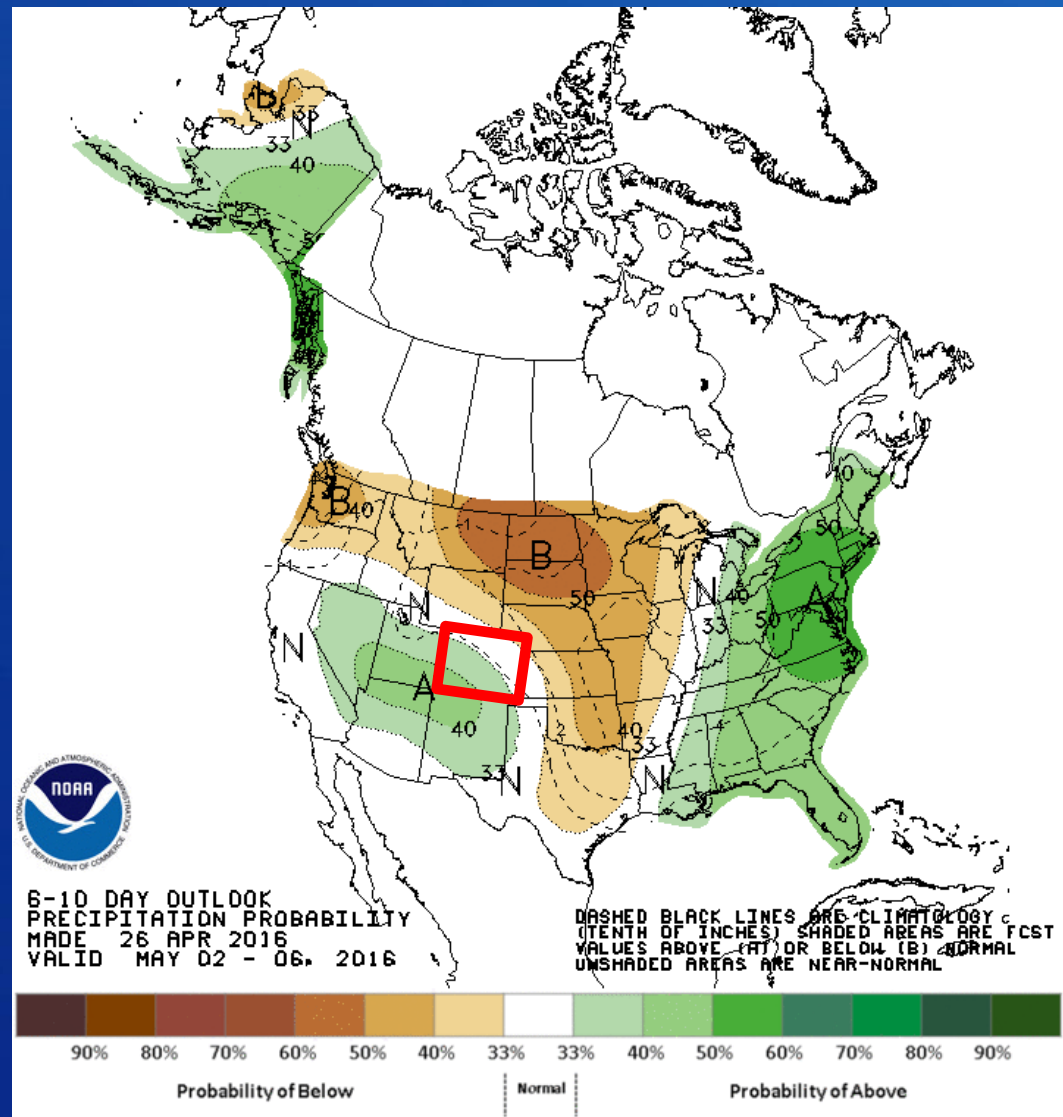
RECLAMATION

Precipitation Forecast Apr 27 – May 3



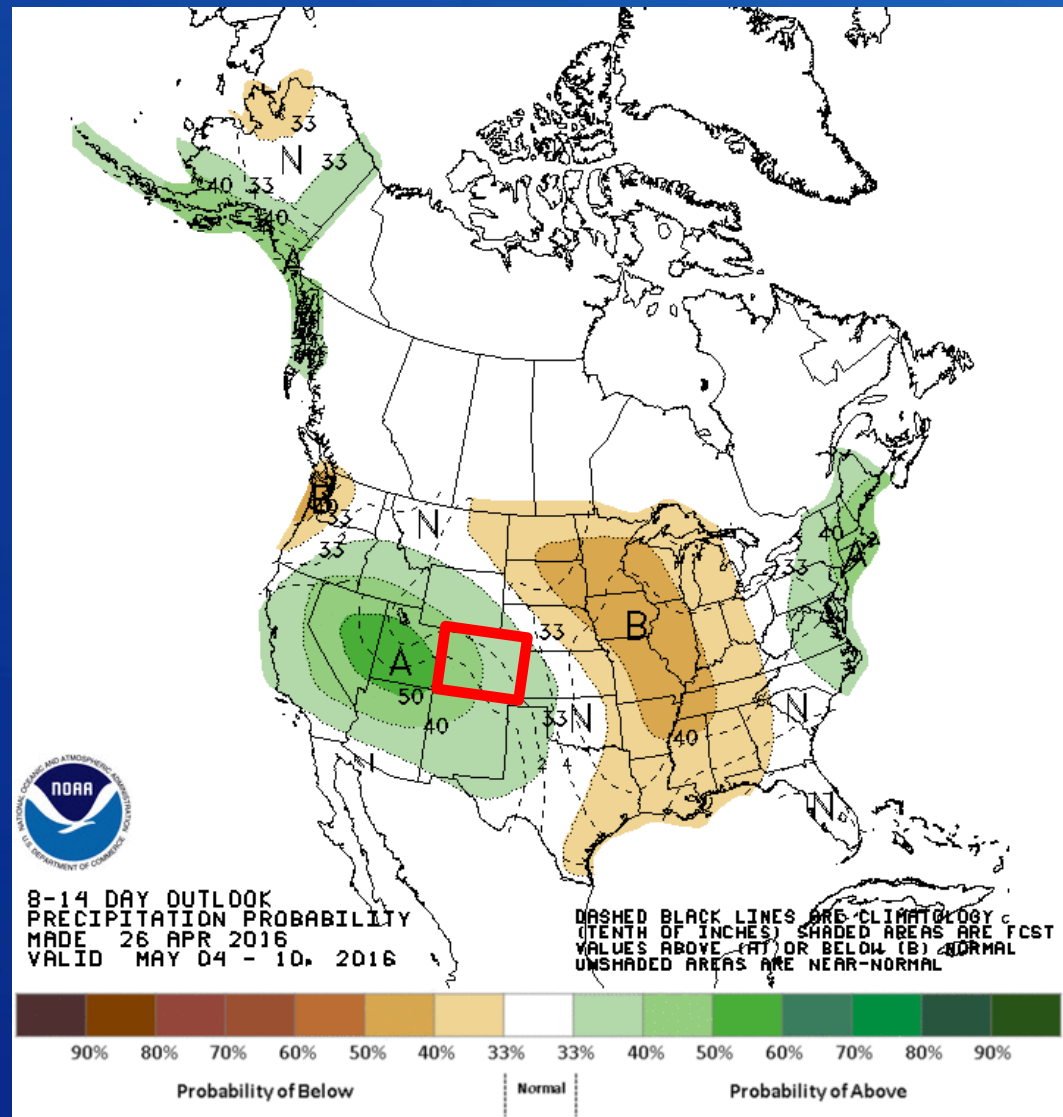
RECLAMATION

Precipitation Outlook May 2 - 6



RECLAMATION

Precipitation Outlook May 4 - 10



RECLAMATION



RECLAMATION