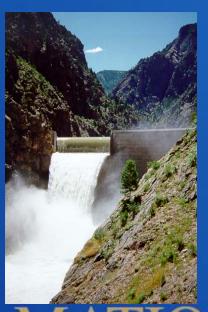
Aspinall Operations Meeting

January 19, 2017



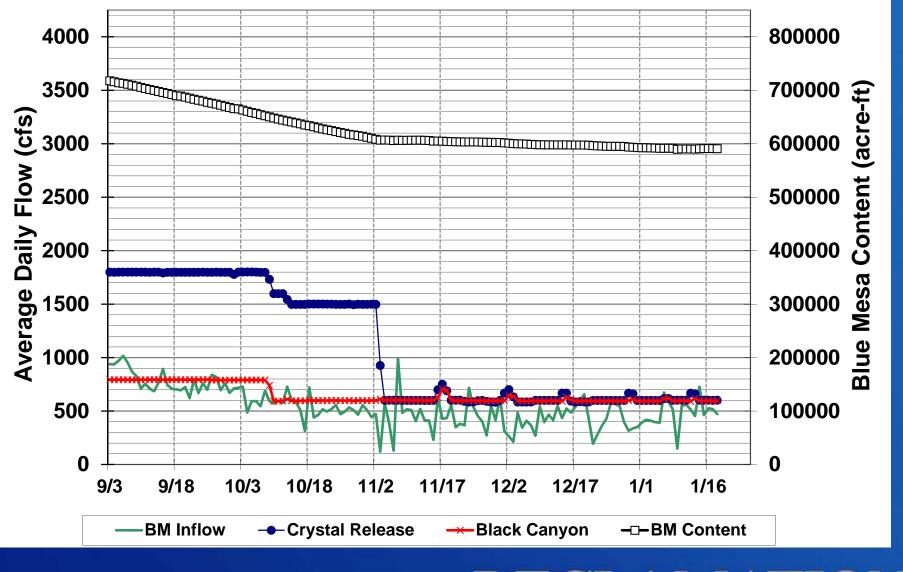




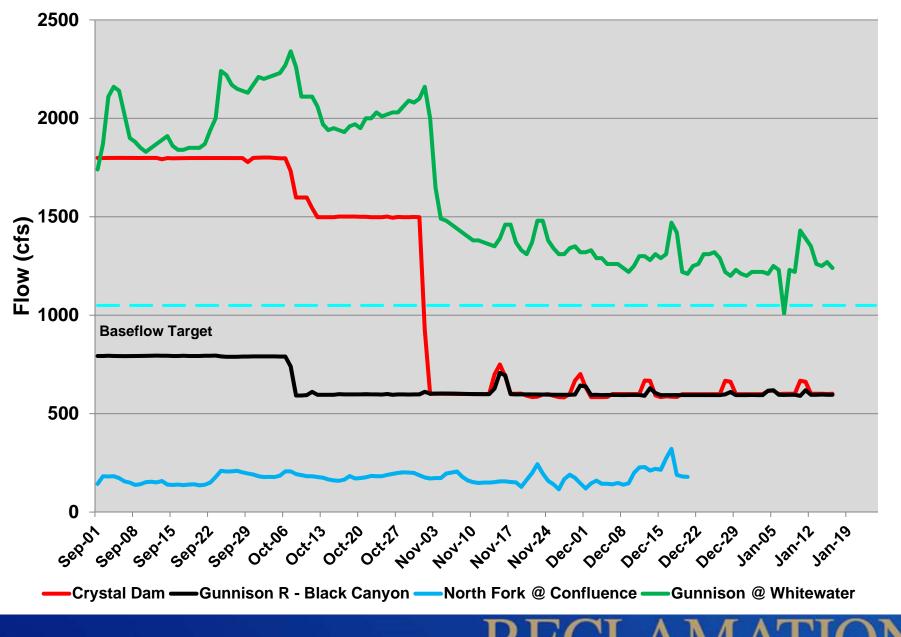
OPERATIONS PAST AND PRESENT

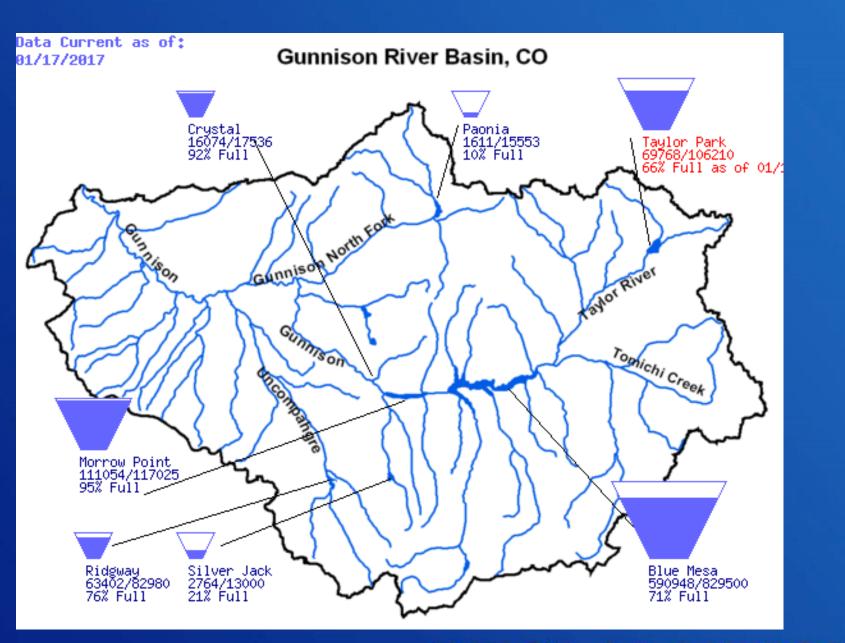


September 2016 - January 2017



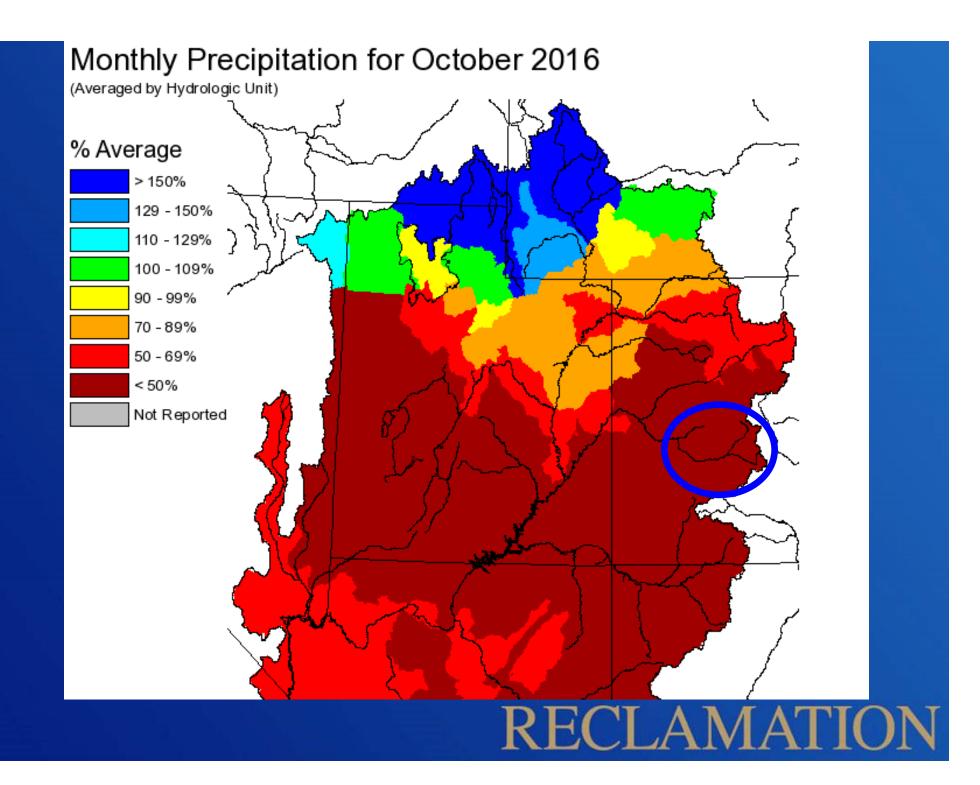
Gunnison River Flows

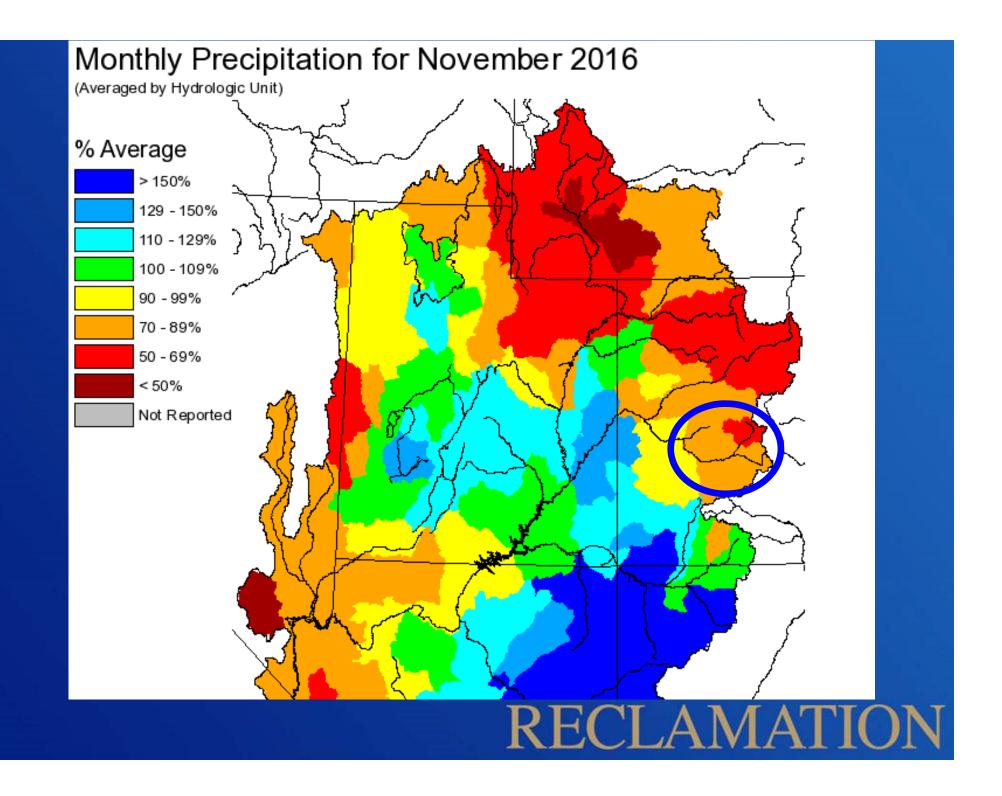


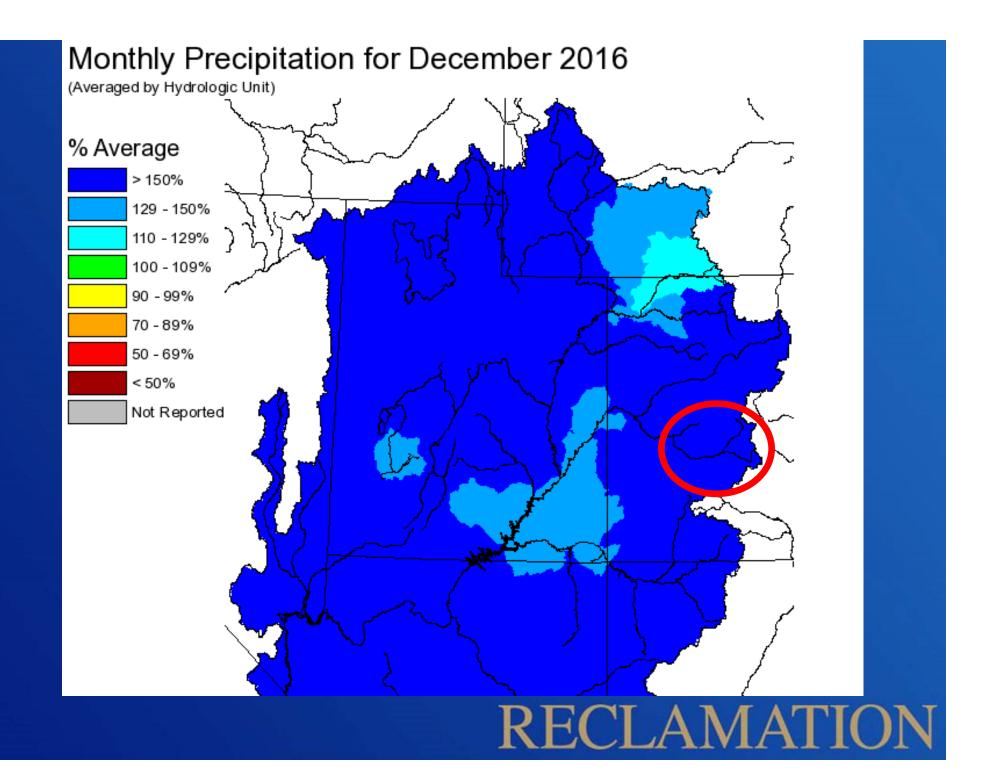


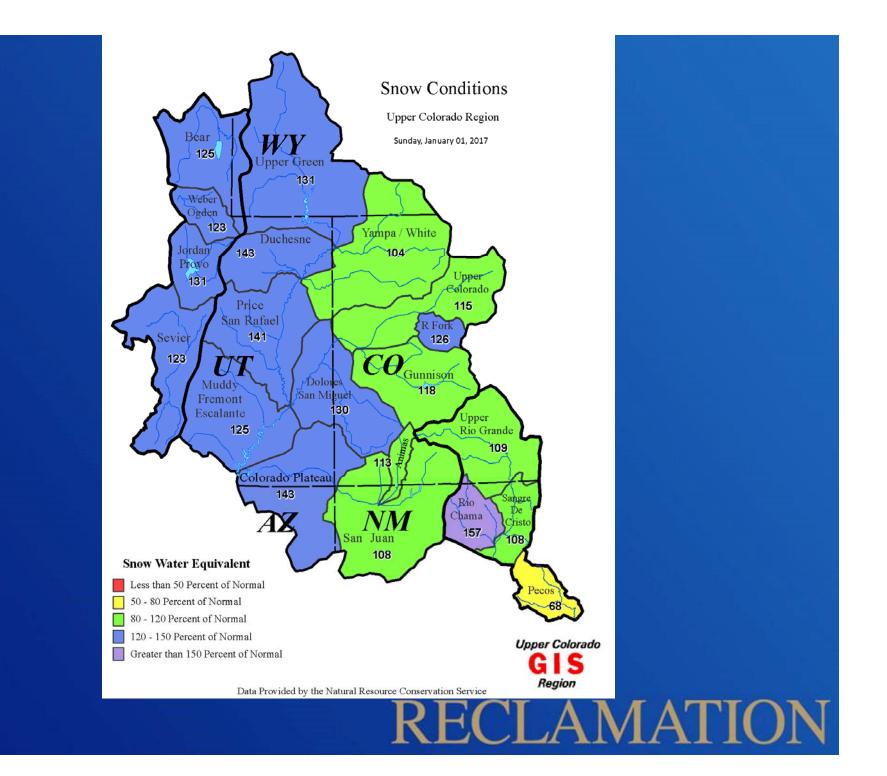
SNOW CONDITIONS



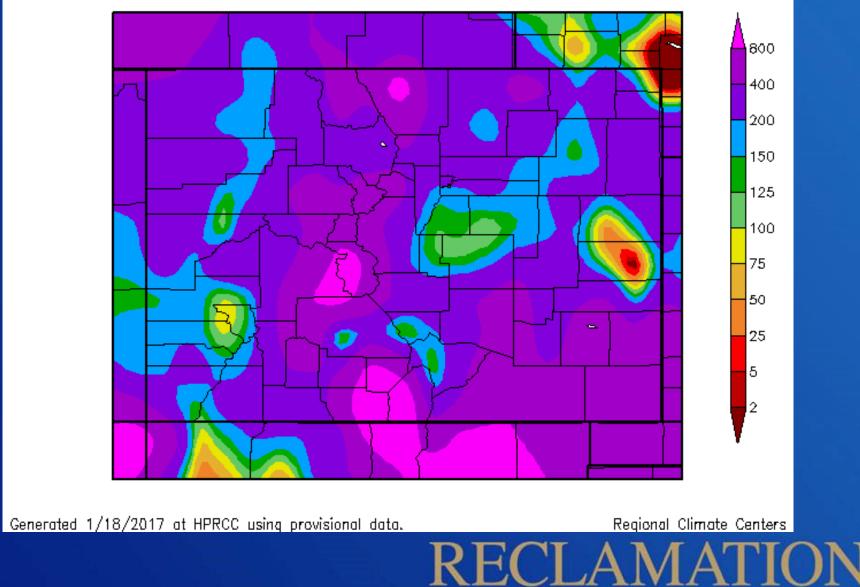


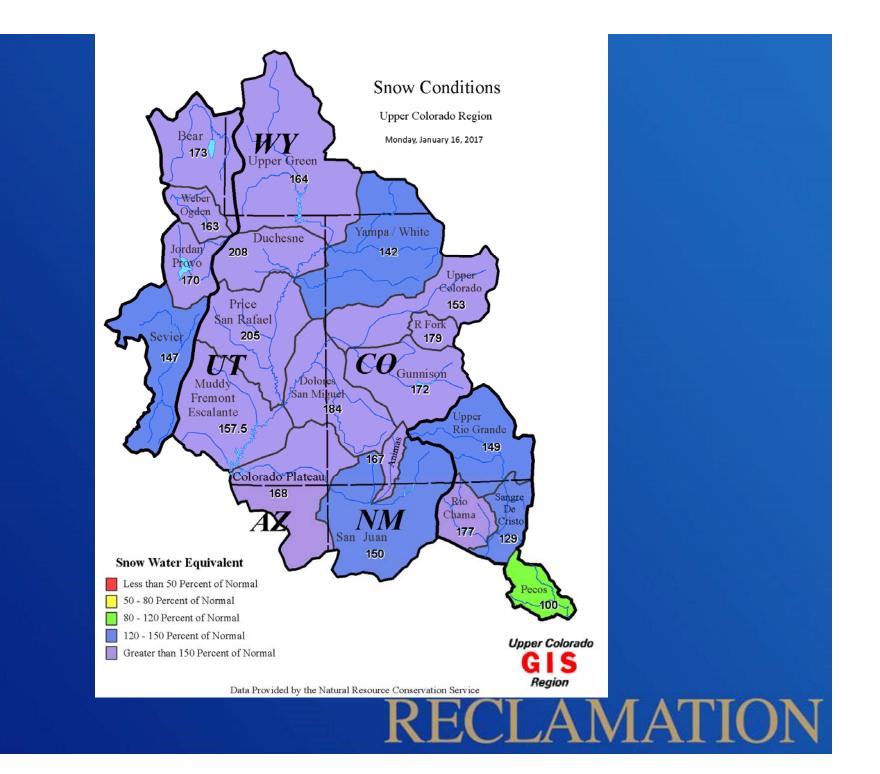






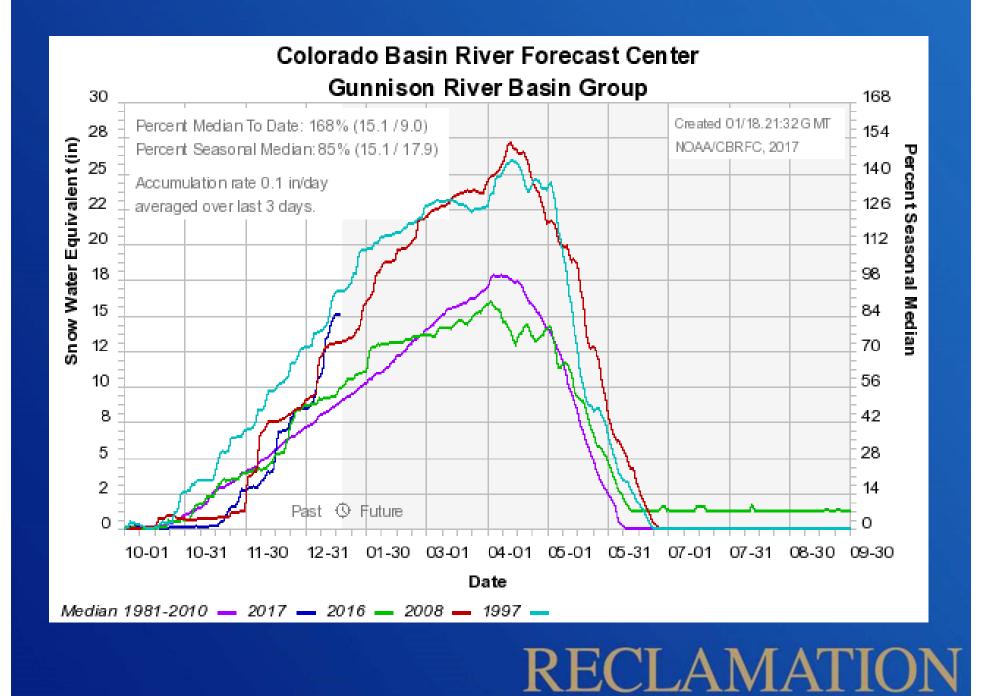
Percent of Normal Precipitation (%) 1/1/2017 - 1/17/2017

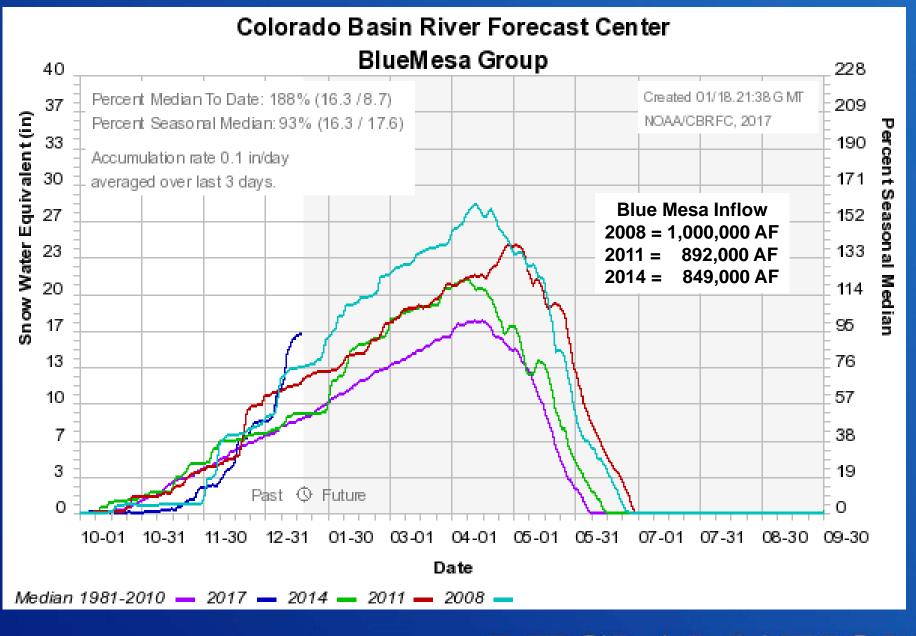


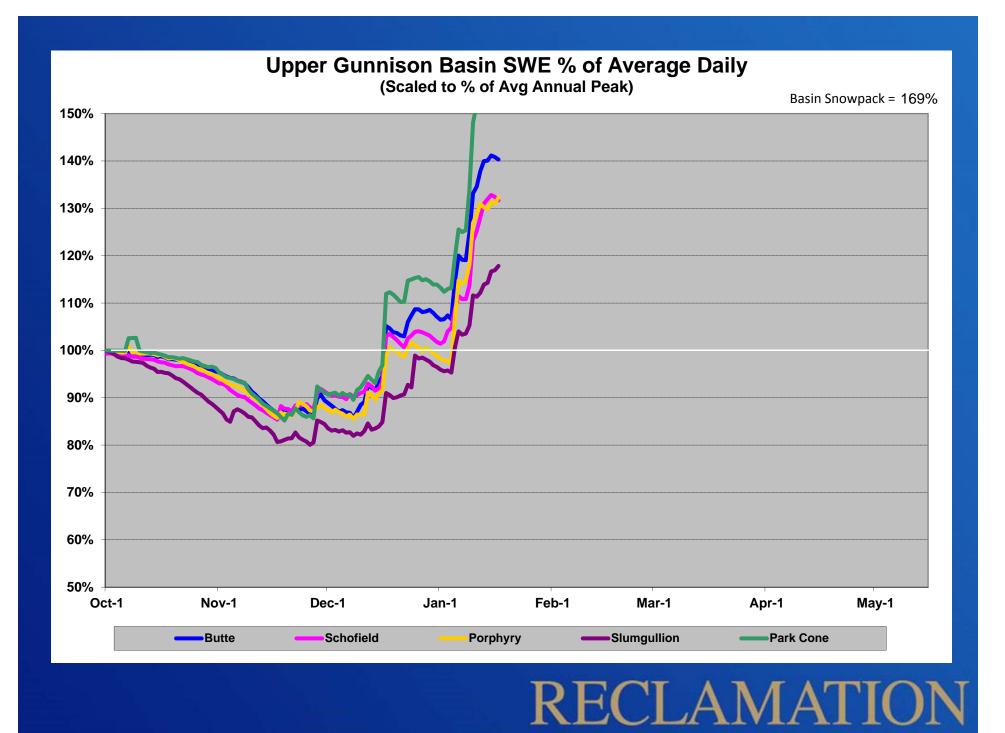


Days to Receive a Month's Worth of Snow

	Dec	Jan	Jan	Rank	
Butte	17	8	12	# 2	
Schofield	17	9	13	#2	
Porphyry	17	6	12	# 2	
Slumgullion	22	10	17	# 2	
Park Cone	17	8	10	# 1	

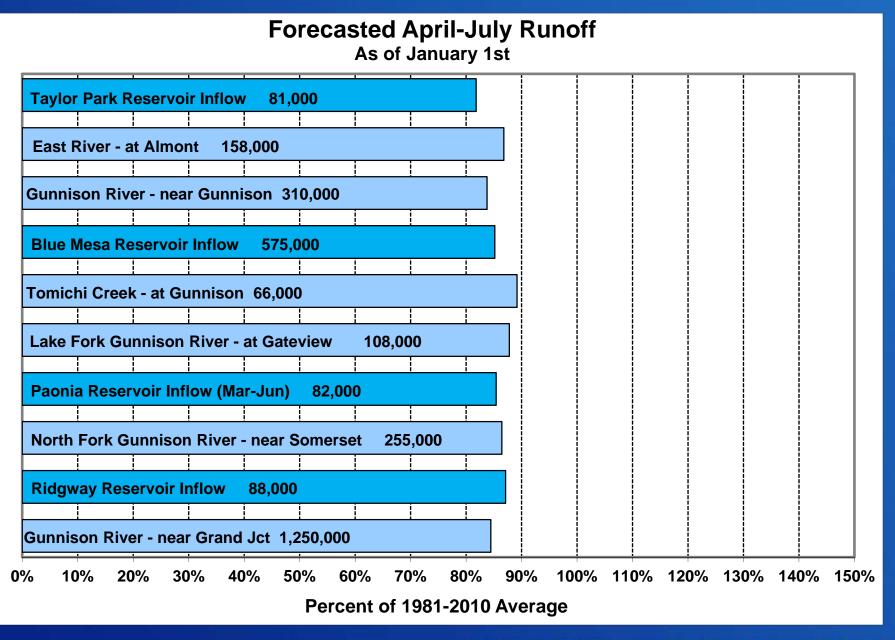






RUNOFF FORECASTS





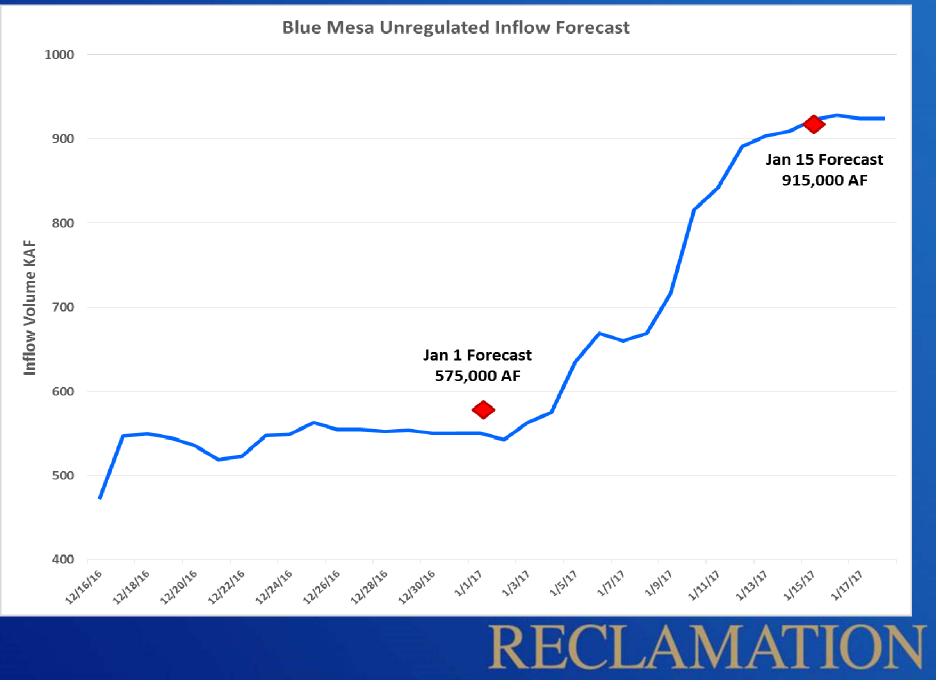
Forecasted April-July Runoff

As of January 15th

	1		1		1	1		1		1	1	- 1		ļ	
Taylo	r Park I	Reservo	ir Inflow	126 ,	,000										
East	River -	at Almo	nt 240),000											
								!							
Gunni	son Riv	ver - nea	r Gunni	son 51	1,000										
	!	!	ļ		!	!		!		!	ļ	<u> </u>			
Blue	Mesa R	eservoir	Inflow	928,0	000			-		-					
	<u> </u>	<u> </u>				i	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>				•
omic	hi Cree	k - at Gu	Innison	107,00	00			-		-					
	<u>i</u>	<u>i</u>				<u>i</u>		<u>i</u>		<u>i</u>	<u>i</u>	-			
.ake	Fork G	unnison	River -	at Gate	view	147,00	00	1	T	T	1				
	<u>i</u>	<u>i</u>	i	l	i	i	i	i	i	i					
Paoni	ia Rese	rvoir Inf	low (Ma	r-Jun)	109,0	00									
	<u> </u>	<u>i</u>						<u>i</u>		<u>i</u>		ł			
lorth	Fork G	unnisor	n River	- near S	omerse	et 318	8,000								
	<u> </u>	<u> </u>						ļ				ł			
Ridgv	way Res	servoir l	nflow	110,00	0										
unni	son Riv	er - nea	r Grand	Jct 1,8	320,000										
1	; 0% 2	0% 30	;)% 40	0% 50	;)% 60	;)% 7(;)% 8(0% 90	;)% 10	0% 11	0% 1	20%	130%	140%	15
					Dance	at of a	004 0								
					Perce	ent of 1	981-2	010 Av	erage						



CBRFC Hydrologic Model – Daily Forecast Evolution Plot



SPRING TARGETS AND FUTURE OPERATIONS



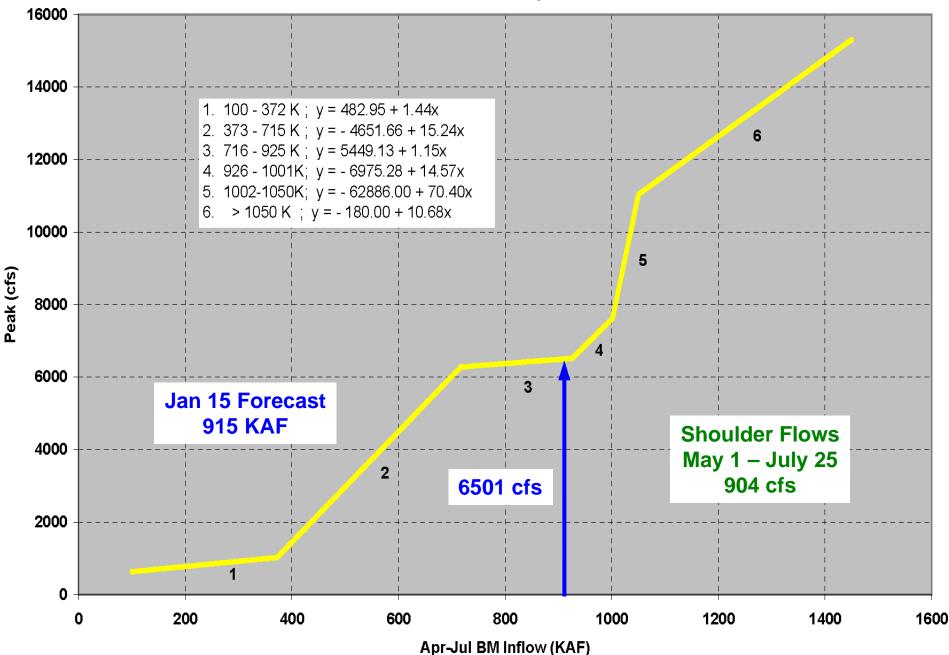
Spring Peak & Duration Targets Based on Hydrologic Year Type

	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	a fa	Dava	Deve		
		AI	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		
l-Jan ,000	AVG WET	709,001 to 831,000	8,070 to 14,350	20	2		
\rightarrow	MOD WET	831,001 to 1,123,000	14,350	40	10		
	WET	>1,123,000	14,350	60	15		

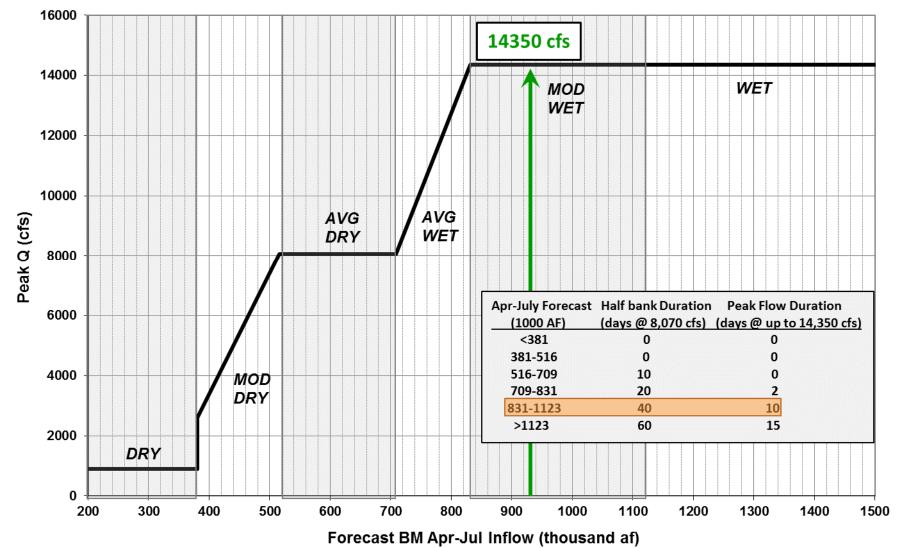
Mid-915.

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	Мау	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.



