

MEMORANDUM

To: Irrigators and Interested Parties

From: Lurline Underbrink Curran, County Manager

Date: June 20, 2012

Re: Reservoir Releases and Stream Flows

This morning Grand County participated in the weekly Historic Users Pool (HUP) call. Enclosed please find a copy of the work sheet that is provided each week for this call. This sheet contains some handwritten notes by me of information provided during the call.

The short term forecast is for dry and cooler until Thursday but then temperatures to return to hot. Winds will change to southerly pattern with trend to pull moisture from the South. No prediction yet as to when or how much, if any.

The Shoshone Plant is still running one turbine and that is at 95%. As reported last week, there is additional work on the plant and reservoir planned for August and September so Shoshone has no plans for needing its full senior right until after construction which is predicted to last 8 weeks.

At 8 a.m. Thursday, June 21, the call will go on the river for Cameo. Cameo is predicted to need water by Sunday, but the call is instituted tomorrow due to travel time. Cameo will call out the junior rights of Wolford, Windy Gap and Ruedi, but not the entire river at this time. At that time the Shoshone Outage Protocol (SHOP) will be suspended due to the Cameo call but this will result in approximately the same water being delivered, however there will be a difference in the "color" of the water. Substitution water will be put into play.

Green Mountain has paper filled as of yesterday and is now storing under the 1955 right. When the Cameo call comes on, Green Mountain will become the swing right, so the call would be answered in priority by Green Mountain, then Con/Husher, then Dillon, then Williams Fork, followed by C-BT and last Independence Pass. If this scenario were to be followed, Williams Fork could cut back to 18 cfs. (currently releasing 230 cfs). Due to inflow decreases, Denver intends to cut this 230 by 50 cfs as of today, resulting in 180 cfs.

However, when the call comes on, Denver has offered to begin substitution to Green Mountain in the amount of 150 cfs. plus the 18 cfs. Green Mountain will maintain the current release of 247, perhaps going up a bit and Wolford Mountain will decrease 10 due to inflow decrease but will be releasing about 70 cfs. By Denver offering to begin substitution, and the Grand Valley

agreeing to this scenario, it keeps Green Mountain from increasing releases to approximately 400 cfs. and Williams Fork reducing to 18 cfs. All parties are trying to keep as much water as possible for later in the season while still meeting all water right requirements.

The Fish and Wildlife Service is also trying to save as much water for the fish until later in the season, so have set the target for this week at 300 cfs, which should be met by the above releases. Therefore, there will be fish water releases later in the season from Williams Fork and Wolford which should help the Upper Colorado.

Once again, all reservoir operators and water right holders worked diligently during the HUP call to maintain as much flow in the Colorado River in Grand County as possible. All were working under the premise of the Colorado River Cooperative Agreement even though not fully executed by all parties. The Grand Valley was willing to rescind its letter for the Check Case which helps the administration of the river for the time being.

If you have any questions on the enclosed HUP form or my handwritten notes, please do not hesitate to contact me. Another call is scheduled for next week and we will do our best to keep all interested parties updated. This memo along with the weekly flow sheet is posted on Grand County's website.

Organization	Representative(s)	Organization	Representative(s)
GVWUA	Dick ✓	CWCB	Michelle ✓
OMID	Max ✓	NCWCD	Jeff, Don ✓
GVIC	Phil ✓	Denver Water	Cindy ✓
USFWS	Jana ✓	Ruedi Water & Power	Mark Fuller ✓
USBR-ECAO	Ron, Kathy, Andrew ✓	USBR-WCAO	Eric ✓
CO. DWR - DIV 5	Judy, Troy ✓	CRWCD	Don ✓
USGS	Steve Anders ✓	Shoshone Power Plant	Gary ✓
National Weather Svc	Aldis ✓	Colorado Springs	Kalsoum ✓
CBRFC	Brenda ✓	Palisade Irrigation	John Krizman ✓
Grand Junction	Terry Franklin ✓	WAPA	John Girard ✓
Fruita/Palisade/Clifton	Eric S./Frank W./Dale T. ✓	Grand County	Lurline Curran ✓

Colorado River & Tributary flows (cfs)	Remarks
Colorado @WG nr Granby	131
Hot Sulphur	144
Kremmling/Eagle	637/415
Colorado River nr Dotsero	1,250
Roaring Fork @ Glnwd	830
Colorado River blw Glnwd	2,230
Colorado River nr Cameo	2,380
Plateau Creek nr Cameo	24
Colorado River nr Palisade	706

River Call Status: No calls on the Colorado River main stem; Green Mtn senior fill call on Blue River main stem

Reservoirs	Decreed Capacity (acft)	Remaining or Total Content (acft)	Total Rel. (cfs)	Remarks
Granby Res.	543,758	428,702	76	
Williams Fork Res.	93,637	92,194	223	inflows dropping. Cut to 150 cfs. on substitution.
E. Slope Pool	5,412	5,412	0	
Upper Blue Res.	2,140	984	0	
Dillon Res.	252,678	243,871	53	
Green Mtn. Res.	154,645	111,909	247	paper filled 6/19 - storing under 1988 priority
HUP	66,000	66,000	0	
C-BT	52,000	52,000	0	Running about 270 cfs for depletions
Wolford Res.	65,993	64,700	80	drop 10 cfs today due to decreased inflow
West Slope Fish	6,000	6,000	0	
DWB Pool	24,000	24,000	0	
5412 Pool	5,412	5,412	0	
Ruedi Res.	102,369	90,176	110	
5K Firm for Fish	5,000	5,000	0	4 out of 5 not available.
10,825	10,825	10,825	0	
5K (4/5 Years)	5,000	0	0	

Grand Valley Diversions (cfs)			
Entity / Facility	Decreed Capacity	Flow	Remarks:
GVIC	520/119 cfs	683	Holding steady w/ flows. Lots of algae.
Govt. High Line Canal	1620 cfs	1,590	River dropped. Flows pretty stable.
Palisade Pipeline		X	
OMID Power Canal	860 cfs	725	hard to deliver end. Holding.
to Irrigation	160 +10 cfs	165	
Returns from irr pumping	290 cfs	Total	
Returns from power plant	400/800 cfs	560	
Amt. Checked	640 cfs	0	
15 MR Target		500	
Mass Balance			706+ 683 - 560 - 0 - X + 1,590 - 24 = 2,385 vs. 2,380, diff = 5

Forecast - dry, cooler until Thurs. but then temps. build to hot. Winds change to southerly pattern w/ trend to pull moisture from South. No idea on how much moisture, if any!

Williams Fork will be releasing substitution water soon. Distributed between WF and Wolford.

Forecast for Cameo gauge to be on ^{Sun.} ~~Thurs.~~ - call may go on Thurs due to travel time. Central Junctions - w/m - on 1955 - Ruedi - likely scenario - won't call entire basin.