

Flaming Gorge Technical Working Group

May 29, 2018 Hydrology Summary

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This hydrologic update provides information regarding current conditions and fulfills the requirements detailed in the 2005 Flaming Gorge Final Environmental Impact Statement (FEIS) in Section 2.5.3 related to an operational plan for Flaming Gorge Dam (“Hydrology Summary”). The Hydrology Summary is to describe the current hydrologic classification of the Green River and Yampa River Basins, including the most probable runoff patterns for the two basins.

Hydrologic determinations for both the Yampa River Basin and Green River Basin above Flaming Gorge have been made and are unlikely to change unless significant, unexpected precipitation occurs in either basin. The Green River Basin above Flaming Gorge Reservoir is expected to receive 1,120,000 acre-feet in the April through July runoff period (May mid-month forecast), placing it in the average (below median) hydrologic classification. The Yampa River Basin is expected to receive 841,000 acre-feet for the same April through July runoff period, placing it in the moderately dry hydrologic classification. These projections are based off of the Colorado River Forecast Center’s May Final Forecast.

10-Day Streamflow Forecasts

The following, Figure 1, illustrates 10-day forecasted flow values for the Yampa River at the Deerlodge Park gage, May 29 through June 9, 2018. A CBRFC projection for the Green River at the Jensen, UT gage is provided in Figure 2 for the same May 29 – June 9, 2018 timeframe.

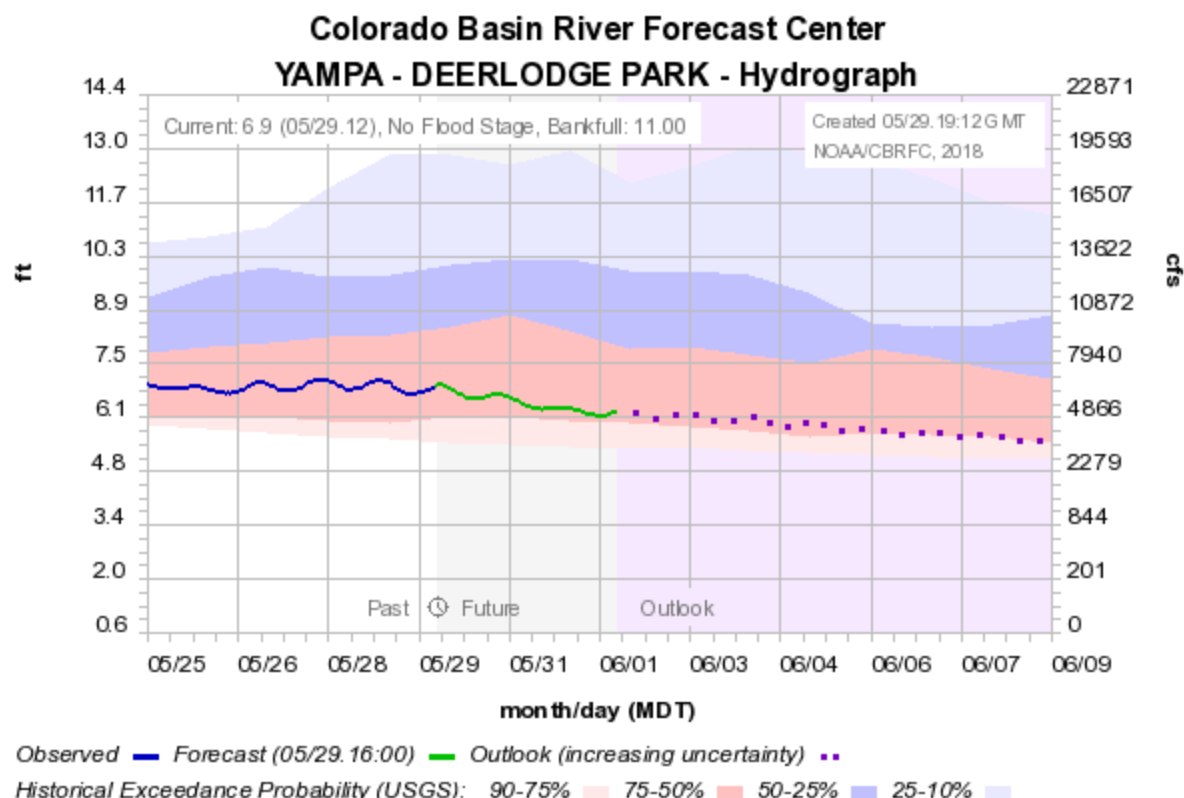


Figure 1 - Streamflow forecast for the Yampa River, May 29 – June 9, 2018.

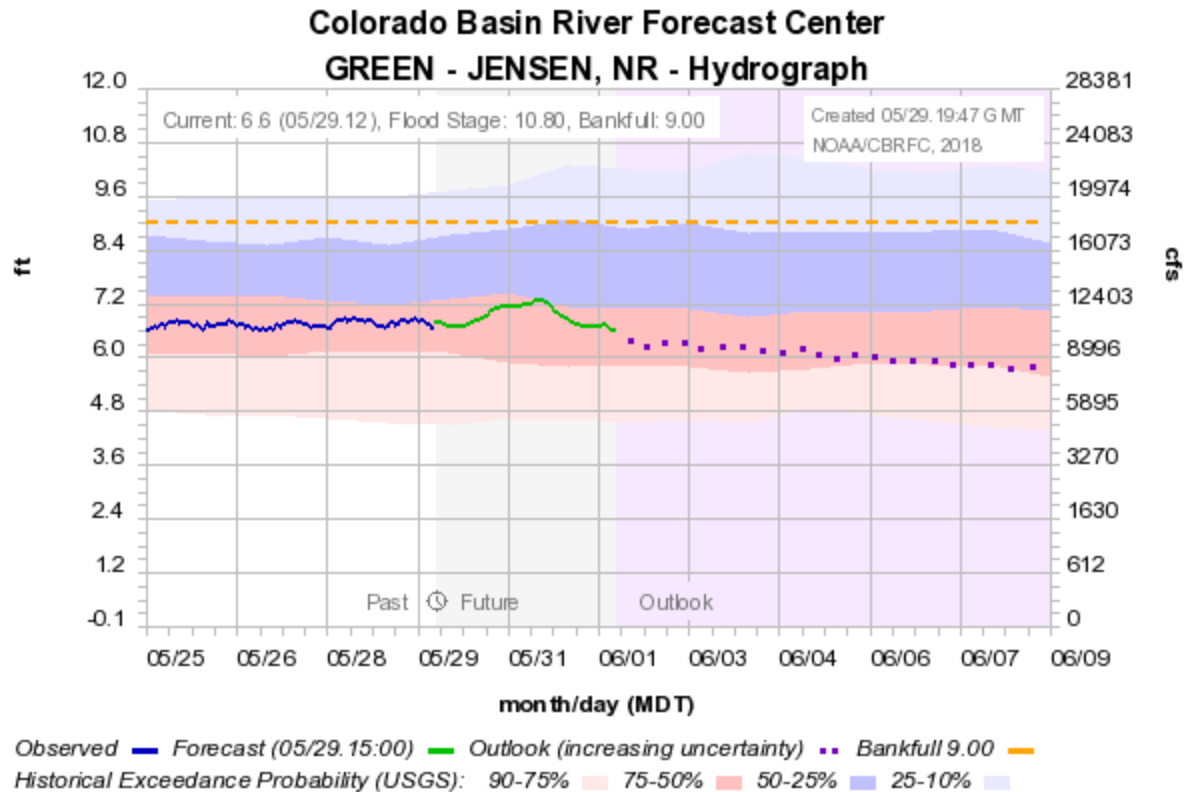


Figure 2 - CBRFC projection for the Green River at Jensen, UT, May 29 - June 09, 2018.

Proposed ramp down rates

Table 1 contains proposed ramp down rates starting Friday, June 1, 2018. The proposed schedule is intended to detail releases from Flaming Gorge through the June 24-month study period. A determination can then be made to reconsider further operational decisions.

Table 1 - Proposed ramp down schedule.

Date	Daily Avg. (cfs)
5/31/2018	~4,600
6/1/2018	4250
6/2/2018	3900
6/3/2018	3550
6/4/2018	3200
6/5/2018	2850
6/6/2018	2500
6/7/2018	2150
6/8/2018	1800