

Corps Water Management Weekly Status Report – 16 July 2018

Weather Summary:

A mostly dry week this past week, with less than ¼" recorded at all district projects. Chances of rainfall throughout this week totaling ½ to 1 inch, with slight chances of above-normal rain for the remainder of the 2-week outlook. Longer term, the Jul-Aug-Sep outlooks call for normal to possibly above-normal precip, along with continued above-normal temps.

Tropical Activity: No tropical cyclone activity of concern at this time.

Reservoir Summaries:

Reservoir	16-Jul-18 0800 Elev (ft-msl)	Guide Curve (ft-msl)	Forecast 23-Jul-18 Elevation (ft-msl)	Average Net Inflows		Rainfall at Dam	
				7-day cfs (% median)	July cfs (% median)	7-day (inches)	July (inches)
Falls	250.76	251.5	250.4	-57 (N/A)	-33 (N/A)	0.09	0.81
Jordan	215.00	216.0	214.80	15 (03%)	197 (37%)	0.23	1.73
Scott	1030.29	1030.0	1030.3	575 (131%)	605 (138%)	0.22	0.69
Kerr	300.53	300.75	300.0	1789 (47%)	1891 (49%)	0.04	1.09
Philpott	972.74	973.5	972.3	83 (55%)	110 (73%)	0.00	0.40

Reservoir	Current Flood Storage % Remaining	Current Water Quality % Remaining	Forecast 80% WQ Remaining	Forecast 60% WQ Remaining	Current Water Supply or Power Pool % Remaining	Forecast 80% WS or PP Remaining	Forecast 60% WS or PP Remaining
Falls	100	90	Early Aug	Mid Sep	93	Late Sep	*
Jordan	100	86	Late July	Mid Aug	100	*	*
Scott	99				100	*	*
Kerr	99				100	*	*
Philpott	100				96	*	*

NOTE: Water Quality, Water Supply, and Power Pool forecasts extend through end of September 2018.

* indicates that storage remaining does not drop below indicated threshold by end of forecast period.

Falls: Currently near elev 250.75 ft (0.75 ft below guide curve) and slowly falling. Releases are currently near 180 cfs. Clayton is currently near 260 cfs; minimum flow target at Clayton is 254 cfs.

Jordan: Currently near elev 215.0 ft (1.0 ft below guide curve) and falling. Releases are near 475 cfs. Lillington is currently near 570 cfs and slowly rising. Minimum flow target at Lillington is 600 +/- 50 cfs.

W. Kerr Scott: Currently near elev 1030.3 ft (0.3 ft above guide curve) and steady. Releases are currently near 500 cfs and will be adjusted as needed to maintain lake level. Wilkesboro is currently near 620 cfs and steady (minimum flow target is 400 cfs).

Kerr/Philpott: Kerr is currently near elev 300.5 ft (0.25 ft below guide curve). Weekly energy declaration is for minimum energy and supports about 2950 cfs weekly average outflows from Kerr. Anticipate being near elev 300.0 ft by the end of the week, with continued minimum energy generation next week (~3000 cfs).

Philpott is currently near elev 972.6 ft (0.9 ft below guide curve). This week's declaration calls for minimum energy, with generation ranging from 8-10 hours each afternoon through Friday. Lake levels are expected to be near elev 972.1 ft by the end of the week. [Note: Single unit operation only until future rehab.]