

## Corps Water Management Weekly Status Report – 14 May 2018

### Weather Summary:

Varying rainfall amounts across the District this past week, with rainfall at projects ranging from 0.4" at Jordan and Kerr to less than a tenth at Falls and Scott. Fairly limited rainfall in the 5-day forecast (½ inch or less); however, potentially heavy widespread rainfall is possible this weekend (2-4" in current 7-day QPF). The 8-14 day outlook shows continued chances of above-normal precip as well. Longer term, the May-Jun-Jul outlook calls for slightly higher chances of above-normal precip along with above-normal temps.

### Reservoir Summaries:

Reservoir	14-May-18 0800 Elev (ft-msl)	Guide Curve (ft-msl)	Forecast 21-May-18 Elevation (ft-msl)	Average Net Inflows		Rainfall at Dam	
				7-day cfs (% median)	May cfs (% median)	7-day (inches)	May (inches)
Falls	251.87	251.5	251.7	126 (35%)	182 (50%)	0.03	0.04
Jordan	216.55	216.0	216.3	624 (62%)	723 (72%)	0.40	0.40
Scott	1030.41	1030.0	1030.3	707 (117%)	814 (135%)	0.06	0.20
Kerr	301.09	302.0	300.5	3895 (62%)	4794 (77%)	0.41	0.84
Philpott	974.88	973.5	974.0	247 (91%)	263 (97%)	0.16	0.32

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	98	100	*	*	100	*	*
Jordan	99	100	*	*	100	*	*
Scott	>99				100	*	*
Kerr	96				100	*	*
Philpott	93				100	*	*

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

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

**Falls:** Currently near elev 251.9 ft (0.4 ft above guide curve) and slowly falling. Releases are near 240 cfs. Clayton is currently near 420 cfs and holding fairly steady; minimum flow target at Clayton is 254 cfs.

**Jordan:** Currently near elev 216.5 ft (0.5 ft above guide curve) and slowly falling. Releases are near 500 cfs. Lillington is currently nr 820 cfs and fairly steady; minimum daily average flow target at Lillington is 600 cfs (+/- 50 cfs).

**W. Kerr Scott:** Currently near elev 1030.4 ft (0.4 ft above guide curve) and steady. Releases currently near 630 cfs. Wilkesboro is currently near 860 cfs, well above 400 cfs minimum flow requirement.

**Kerr/Philpott:** Kerr is currently near elev 301.1 ft (0.9 ft below guide curve, but close to target elevation for current phase of spawning operations). Weekly energy declaration equates to 6000 cfs daily average releases. Should be nr elev 300.5 ft by the end of the week, with no additional rain. [Special operations to support striped bass spawning in the lower Roanoke run from Apr 1 to Jun 15; weekly energy declarations will support target spawning flows each week unless flood control warrants additional releases.]

Philpott is currently near elev 974.9 ft (1.4 ft above guide curve). This week's declaration equates to a weekly average release of ~415 cfs. Lake levels are expected to be nr elev 974 ft by the end of the week, with no additional rain. [Note: Single unit operation only until future rehab.]