

## Corps Water Management Weekly Status Report – 16 October 2017

### Weather Summary:

Mostly dry since early last week's rainfall from the remnants of Nate, with dry conditions expected for the next week or so--however, rainfall chances do improve in the 8-14 day outlook. Longer term, the Oct-Nov-Dec outlook shows near-normal to below-normal precip across the District, along with above-normal temps.

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

### Reservoir Summaries:

Reservoir	16-Oct-17 0800 Elev (ft-msl)	Guide Curve (ft-msl)	Forecast 23-Oct-17 Elevation (ft-msl)	Average Net Inflows		Rainfall at Dam	
				7-day cfs (% median)	Oct cfs (% median)	7-day (inches)	Oct (inches)
Falls	249.13	251.5	248.8	95 (85%)	6 (5%)	1.20	1.20
Jordan	212.69	216.0	212.3	178 (34%)	88 (17%)	0.42	0.76
Scott	1030.03	1030.0	1030.3	703 (170%)	610 (140%)	0.50	3.08
Kerr	295.13	298.5	295.0	1799 (37%)	1368 (28%)	0.47	0.81
Philpott	969.10	971.5	969.1	228 (125%)	148 (81%)	1.03	2.63

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	69	26 Sep	Mid Nov	80	Mid Oct	*
Jordan	100	56	24 Aug	06 Oct (^)	96	*	*
Scott	96				100	*	*
Kerr	100				78	-	*
Philpott	100				88	Mid Dec	*

NOTE: Water Quality, Water Supply, and Power Pool forecasts extend through end of Dec 2017.

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

^ Jordan WQ storage forecast to be near 40% by end of Nov based on continued dry conditions.

**Falls:** Currently near elev 249.2 ft (2.3 ft below guide curve) and slowly falling. Releases were decreased to near 100 cfs this morning (Monday). Clayton is currently near 315 cfs; minimum flow target at Clayton is normally 254 cfs through 01-Nov (and then drops to 184 cfs); however, since WQ storage has dropped below 80%, we will be targeting slightly less than full target.

**Jordan:** Currently near elev 212.7 ft (3.3 ft below guide curve) and slowly falling. Outflows were reduced to near 225 cfs last Friday and are expected to remain near that level. Lillington is currently near 390 cfs, up slightly after dropping to near 350 cfs over the weekend (currently targeting 350-400 cfs).

**W. Kerr Scott:** Currently near elev 1030.05 ft (0.05 ft above guide curve). Releases were decreased to near 330 cfs this morning (Monday). Wilkesboro is currently near 470 cfs; minimum flow target at Wilkesboro is 400 cfs.

**Kerr/Philpott:** Kerr is currently near elev 295.1 ft (3.4 ft below falling guide curve). This week's energy declaration supports minimum energy requirements for Kerr and Philpott and equates to a 7-day average release of ~2300 cfs. Anticipate lake level near 295.0 ft by the end of the week. Releases next week expected to be near 2300 cfs also.

Philpott is currently near elev 969.1 ft (2.4 feet below guide curve), up slightly in response to another inch of rain. Releasing about 80 cfs this week through station service unit and low-flow valve combined. Testing on Unit 1 may also begin this week, which would result in some fluctuations in releases (on the order of +/-100 cfs). Expect lake level to remain fairly stable this week near elev 969.1 ft. Plant outage expected to continue through much of October.