

Corps Water Management Weekly Status Report – 21 November 2016

Weather Summary:

Dry this past week across most of the District, except for some minor rainfall last Monday at our Piedmont projects. Continued dry, with less than ¼-inch of rain in the 7-day forecast across the District, with rain chances increasing for the following week. Longer term, the recently-issued December and Dec-Jan-Feb forecasts both call for below-normal precip for the majority of the District. The December forecast shows near-normal temps, but the 3-month outlook shows above-normal temps for the period.

Reservoir Summaries:

| Reservoir | 21-Nov-16 0800 Elev (ft-msl) | Guide Curve (ft-msl) | Forecast 28-Nov-16 Elevation (ft-msl) | Average Net Inflows | | Rainfall at Dam | |
|-----------|------------------------------------|----------------------------|--|-------------------------|----------------------------|-------------------|-----------------|
| | | | | 7-day cfs (% median) | November cfs (% median) | 7-day (inches) | Nov (inches) |
| Falls | 251.82 | 251.5 | 251.6 | 54 (24%) | 62 (27%) | 0.03 | 0.22 |
| Jordan | 215.75 | 216.0 | 215.7 | 177 (36%) | 153 (31%) | 0.10 | 0.34 |
| Scott | 1028.02 | 1030.0 | 1027.8 | 225 (49%) | 229 (50%) | 0.00 | 0.01 |
| Kerr | 297.97 | 297.0 | 297.5 | 2142 (37%) | 2400 (42%) | 0.32 | 0.45 |
| Philpott | 971.84 | 971.5 | 971.8 | 120 (54%) | 116 (52%) | 0.00 | 0.08 |

| 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 | 100 | 96 | * | * | 100 | * | * |
| Scott | 100 | | | | 91 | * | * |
| Kerr | 100 | | | | 91 | * | * |
| Philpott | 100 | | | | 95 | * | * |

NOTE: Water Quality, Water Supply, and Power Pool forecasts extend through end of December 2016.

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

Falls: Currently near elev 251.8 ft (0.3 ft above guide curve) and fairly steady. Currently releasing near 100 cfs. Clayton is currently near 290 cfs; minimum flow target at Clayton is 184 cfs.

Jordan: Currently near elev 215.8 ft (0.2 ft below guide curve) and steady. Releases are near 350 cfs. Lillington is currently near 570 cfs and steady. Lillington's flow target is 600 cfs +/- 50 cfs.

W. Kerr Scott: Currently near elev 1028.0 ft (2.0 ft below guide curve) and fairly steady. Releases are near 230 cfs. Wilkesboro is near 290 cfs; minimum flow target at Wilkesboro is currently 300 cfs.

Kerr/Philpott: Kerr is currently near elev 298.0 ft (1.0 ft above guide curve). Secondary energy added to this week's declaration equates to a weekly average release of ~3000 cfs. Anticipate lake level near elev 297.5 ft by Friday without additional rain. Expect reduced weekly average releases next week near 2400 cfs.

Philpott is currently near elev 971.8 ft (0.3 ft above guide curve). Current plant outage expected to last for at least several additional months. Releasing near 100 cfs through sluice gates; expect to remain near elev 971.8 ft this week without additional rain.