

Corps Water Management Weekly Status Report – 19 February 2019

Weather Summary:

A return to above-normal rainfall this past week, with generally 1.5-2" of rainfall at most District projects. Continued above-normal rainfall for the upcoming 7 days, with 1-3" of rain expected across the District, increasing from southeast (lower Neuse/Cape Fear) to northwest (upper Roanoke/Yadkin), with continued chances of above-normal precip for the remainder of the 2-week outlook. Longer term, the Feb-Mar-Apr outlook shows generally equal chances of below-, near-, and above-normal precip and temps across most of the District.

Reservoir Summaries:

| Reservoir | 19-Feb-19 0800 Elev (ft-msl) | Guide Curve (ft-msl) | Forecast 25-Feb-19 Elevation (ft-msl) | Average Net Inflows | | Rainfall at Dam | |
|-----------|------------------------------------|----------------------------|--|-------------------------|---------------------------|-------------------|-----------------|
| | | | | 7-day cfs (% median) | Febuary cfs (% median) | 7-day (inches) | Feb (inches) |
| Falls | 253.60 | 251.5 | 252.0 | 2188 (180%) | 1181 (97%) | 1.25 | 1.51 |
| Jordan | 217.82 | 216.0 | 217.0 | 3692 (132%) | 2255 (81%) | 1.74 | 1.74 |
| Scott | 1030.56 | 1030.0 | 1030.3 | 1075 (160%) | 1068 (158%) | 2.48 | 3.69 |
| Kerr | 299.07 | 295.5 | 298.0 | 18733 (186%) | 12187 (121%) | 1.71 | 2.55 |
| Philpott | 973.64 | 972.15 | 973.0 | 600 (204%) | 545 (185%) | 0.99 | 1.85 |

| 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 | 89 | 100 | * | * | 100 | * | * |
| Jordan | 96 | 100 | * | * | 100 | * | * |
| Scott | 99 | | | | 100 | * | * |
| Kerr | 100 | | | | 97 | * | * |
| Philpott | 100 | | | | 89 | * | * |

NOTE: Water Quality, Water Supply, and Power Pool forecasts extend through end of March 2019.

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

Falls: Currently near elev 253.6 ft (2.1 ft above guide curve). The lake has peaked at 253.66 ft and has begun to turn. Releases were increased to near 2475 cfs this afternoon (Tuesday). Be advised that the Clayton gage has been relocated due to bridge construction and stages/flows may not be as accurate until USGS finishes developing the ratings for the new location.

Jordan: Currently near elev 217.9 (1.9 ft above guide curve). Releases from Jordan are 3500 cfs. Deep River at Moncure is near 7600 cfs and at peak. Lillington is near 11,100 cfs and rising slowly. River stage at Fayetteville is near 22.1 ft and rising. River flows in the Cape Fear River below Jordan will see increased flows as forecasted rain in the next 5-7 days will increase.

W. Kerr Scott: Currently near elev 1030.5 ft (0.5 ft above guide curve) and slowly rising. Currently releasing about 980 cfs with an increase Tuesday afternoon to near 1300 cfs. Rainfall over the week is expected to increase lake level. Releases will be adjusted as needed, depending on rainfall. Wilkesboro is currently near 1340 cfs and steady.

Kerr: Kerr is currently near elev 299.15 ft (3.65 ft above guide curve and 0.85 ft below flood pool). Average releases for the week are 12,000 cfs. Next week's declaration will most likely be on the order of 25,000 cfs.

Philpott: Philpott is currently near elev 973.6 ft (1.45 ft above guide curve and 0.4 ft below flood pool) and slowly falling. Maintaining continuous single unit generation. [Note: Single unit operation until future rehab.]