

Wilmington District Water Management Weekly Status Report – 01 July 2024

Weather Summary:

Another hot and mostly dry week across the District—however, piedmont projects did receive a half-inch or more Sunday and Sunday night. Mostly dry this week as well but rain chances improve for the weekend with perhaps a half-inch or so of rain forecast. Rain chances lean slightly towards above-normal in the 6-10 and 8-14 day outlooks with temps likely above normal. Longer term, the July and Jul-Aug-Sep outlooks lean slightly toward above-normal precip across the District (along with above-normal temps).

Tropical Update: Beryl is a major hurricane that is expected to continue tracking westward toward the Yucatan Peninsula by the end of the week and not significantly impact the continental US. Another disturbance in the Central Tropical Atlantic (AL96) could develop into a tropical depression by mid-week as it moves generally westward.

Reservoir Summaries:

Reservoir	01-Jul-24 0800 Elev (ft-msl)	Guide Curve (ft-msl)	Forecast * 08-Jul Elevation (ft-msl)	Average Net Inflows		Rainfall at Dam	
				7-day cfs (% median)	Jun cfs (% median)	7-day (inches)	Jun (inches)
Falls	250.48	251.5	250.0	-108 (-49%)	-53 (-24%)	0.46	1.91
Jordan	214.79	216.0	214.2	-61 (-9%)	113 (16%)	0.84	1.44
Scott	1030.20	1030.0	1030.1	377 (72%)	470 (90%)	0.06	0.71
Kerr	299.37	301.3 (↓)	298.8	1,855 (39%)	2,023 (43%)	0.96	1.61
Philpott	970.68	973.5	970.0	44 (20%)	77 (35%)	0.11	0.29

*NOTE: Forecast elevations do not include future rainfall.

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	85	07 Jul	Early Aug	91	Late Aug	*
Jordan	100	85	08 Jul	Early Aug	94	*	*
Scott	99				100	*	*
Kerr	100				97	*	*
Philpott	100				91	*	*

NOTE: Water Quality, Water Supply, and Power Pool forecasts extend through end of September 2024.

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

Falls: Currently near elev 250.5 ft (1.0 ft below guide curve) and falling. Releases are slightly above minimum at approximately 150 cfs to meet the minimum flow target at Clayton. Clayton peaked near 500 cfs this afternoon (Monday) in response to recent rain but is currently falling; minimum flow target is 254 cfs.

Jordan: Currently near elev 214.8 ft (1.2 ft below guide curve) and falling. Releases are near 420 cfs to maintain downstream flow target at Lillington. Deep River at Moncure is nr 120 cfs; CFR at Lillington is nr 900 cfs, up from recent rain. Minimum flow target at Lillington is currently 600+/-50 cfs. WQ storage forecast to drop below 80% by next week, triggering reduced target flows at Lillington under Jordan's Drought Contingency Plan; adjustments to releases likely next week to meet reduced target.

Scott: Currently near elev 1030.2 ft (0.2 ft above guide curve) and starting to slowly fall. Releases are near 470 cfs. Flows at Wilkesboro are currently near 485 cfs; minimum flow target is 400 cfs.

Kerr: Currently near elev 299.4 ft (1.9 ft below falling guide curve) and falling. This week's declaration for minimum energy equates to 3,350 cfs from Kerr. Forecast week-ending elevation is expected near 298.9 ft without additional rain. Next week's declaration will be for minimum energy as well.

Philpott: Currently near elev 970.7 ft (2.8 ft below curve) and falling. Releases are currently near 270 cfs at the downstream gage. Forecast week-ending elevation is expected to be near 970.3 ft without additional rain. [Hydropower units out of service until further notice.]