

Corps Water Management Weekly Status Report – 14 May 2012

Weather Summary:

Varying amounts of rain over the past week, from a half-inch at Falls to almost 4 inches at Scott, due to two systems that moved across the District last week and yesterday/today. However, very little rain forecast for the rest of the week after today's front moves through. Warmer temps possible in the 6-10 day forecast period, with above-normal precip forecast for the eastern half of NC. Warm temps continue, but drier in the 8-14 day forecast. Equal chances of above-, near-, and below-normal temps and precip for the month of May. Longer term, above-normal temps along with equal chances of above-, below-, and near-normal precip for May-Jun-Jul outlook.

Reservoir Project Summaries:

Reservoir	14-May-12 0800 Elev (ft-msl)	Guide Curve (ft-msl)	Forecast 21-May-12 Elevation (ft-msl)	Average Net Inflows		Rainfall at Dam	
				7-day cfs (% median)	May cfs (% median)	7-day (inches)	May (inches)
Falls	252.63	251.5	252.4	336 (97%)	544 (157%)	3.93	4.31
Jordan	216.71	216.0	216.5	908 (105%)	791 (91%)	1.17	1.72
Scott	1031.16	1030.0	1030.5	553 (94%)	522 (89%)	3.93	4.03
Kerr	301.14	302.0	300.9	5489 (74%)	5118 (69%)	0.66	0.84
Philpott	974.72	973.5	974.2	211 (75%)	202 (72%)	1.79	2.02

Reservoir	Current Flood Storage Percent Remaining	Current Water Quality Percent Remaining	Forecast 80% WQ Remaining	Forecast 60% WQ Remaining	Current Water Supply or Power Pool Percent Remaining	Forecast 80% WS / PP Remaining	Forecast 60% WS / PP Remaining
Falls	94	100	Mid Aug	NA	100	*	*
Jordan	98	100	*	*	100	*	*
Scott	98				100	*	*
Kerr	96				100	Late Jul	Late Aug
Philpott	93				100	Late Jul	Mid Sep

NOTE: Water Quality, Water Supply, and Dependable Power Pool forecasts extend through end of September 2012.
 "*" indicates that storage remaining does not drop below indicated thresholds by end of forecast period.

Falls:

Currently near elev 252.6 ft (1.1 ft above guide curve) and slowly falling. Today's rainfall may affect lake level/inflows. Currently releasing near 510 cfs. Clayton is running about 724 cfs, and steady for now. Plan to hold 510 cfs release for today, then decreasing outflows Thursday.

Jordan:

Currently near elev 216.7 ft (0.7 ft above guide curve) and falling. Currently releasing near 1180 cfs. Deep River at Moncure currently near 265 cfs and fairly steady. Cape Fear River at Lillington currently near 1600 cfs and fairly steady as well. Minimum daily average target flow at Lillington is currently 600+/-50 cfs.

W. Kerr Scott:

Currently near elev 1033.3 ft (3.3 ft above guide curve) and still rising, in response to 3 inches of rain over the past day. Releases were increased to ~1150 cfs this afternoon (Monday). Wilkesboro peaked nr 3500 cfs and is currently near 1400 cfs and falling, but will increase later today due to increased releases.

Kerr/Philpott:

Kerr is currently near elev 301.1 ft (0.9 ft below guide curve), down only slightly from last week. So far, little or no effect from today's rain. Weekly energy declaration to support 5000 cfs spawning releases this week from Roanoke Rapids. Without additional rain, lake levels are expected to be down near elev 301 by end of the week. Little or no cutback in spawning releases may be needed next week.

Philpott is currently near elev 974.9 ft (1.4 ft above guide curve and 0.9 ft into flood pool), up over 0.2 ft today and still rising after over an inch of rain. Plan to increase generation for Wed-Fri to bring lake levels back down near elev 974 by end of the week.