



**WATER MANAGEMENT
MONTHLY REPORT**

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RESERVOIR OPERATION AND SYSTEM STATUS FOR JUNE 2004

HIGHLIGHTS – Cairo stage began the month at 41.8 feet and ended at 35.4 feet and falling slowly. The river crested at 45.5 feet on June 7th. Flood stage is 40.0 feet. The river flows were falling off to nearer normal flows late in the month.

WEATHER –The weather during June was dry compared to May with much closer to normal temperatures. Temperatures averaged generally within 1 degree of normal. The month started quite warm but cooler temperatures brought the average back to normal. Rainfall was spotty. It turned very dry through the middle of the basin with areas below half the normal in southern Indiana, Kentucky and southern Ohio. Tennessee was generally wetter than normal as was northern Indiana, northern Ohio into parts of Pennsylvania.

TEMPERATURE AND PRECIPITATION – JUNE 2004

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	67.6	-0.8	5.01	+0.89
Charleston, WV	70.8	+0.9	5.70	+1.61
Columbus, OH	70.1	-1.1	5.34	+1.26
Cincinnati, OH	71.0	-1.0	2.93	-1.46
Louisville, KY	73.1	+1.1	3.75	-0.01
Indianapolis, IN	71.0	-0.7	4.44	+0.31
Evansville, IN	74.0	-0.8	1.66	-2.44
Nashville, TN	75.6	+0.5	3.39	-0.69

STREAMFLOW -- Ohio River monthly average flows for June ranged from a low of 149 percent of normal at Pittsburgh, PA to a high of 270 percent of normal at Louisville, KY. Daily

flows ranged from a low of 48 percent of normal at Pittsburgh, PA to a high of 571 percent of normal at Louisville, KY.

The following table presents the flow data summary for June at the Ohio River Index Stations:

FLOW DATA – JUNE 2004

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND			HIGH
Pittsburgh, PA	35,400	149	352	48
Huntington, WV	104,000	185	361	88
Cincinnati, OH	153,000	203	428	92
Louisville, KY	215,000	270	571	126
Evansville, IN	260,000	261	514	115
Paducah, KY	435,000	225	315	155

RESERVOIRS -- June began with 6.4% utilization of the total system flood control storage and ended the month at 3.1%. System-wide augmentation storage started at 98.6% at the beginning of the month and was at 98.4% by the end of the month. Significant flood storage utilization in excess of 25 percent occurred at a number of projects during the month; Stonewall Jackson, Kirwan, Milton, Atwood, Beach City, Bolivar, Charles Mill, Leesville, Tappan, Dewey, Paintsville, Delaware, Cave Run, Carr Fork, Buckhorn, Taylorsville, Nolin, Huntington, Salamonie and Patoka. A couple of projects utilized in excess of 50 percent of flood control storage; Berlin and Rough River.

The following table depicts storage change by tributary reservoir subsystem for June:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-54,700
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-90,600
Twelvepole-Big Sandy-Little Sandy-Scioto	-109,100
Little Miami-Licking-Mill Creek-Great Miami	-73,900

Kentucky-Salt-Green-Wabash	-396,700
Cumberland	-74,500
TOTAL	-799,500

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