



**WATER MANAGEMENT
MONTHLY REPORT**
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RESERVOIR OPERATION AND SYSTEM STATUS FOR AUGUST 2003

HIGHLIGHTS – Cairo stage began the month at 26.0 feet and ended at 14.0 feet and was nearly steady, slightly below the average stage for August. Flood stage there is 40.0 feet. Excessive rainfall from the previous month was still working its way out of the system.

WEATHER –The weather during August brought generally normal temperatures and mostly above normal precipitation. The weather was fairly typical for August with widely scattered intense shower activity. Below normal precipitation areas developed this month in Indiana and Tennessee and parts of eastern Ohio. However, the intensity of the heavy showers kept Ohio River flows above normal for most of the month.

TEMPERATURE AND PRECIPITATION – AUGUST 2003

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	72.6	+1.6	3.18	-0.20
Charleston, WV	74.4	+1.8	6.53	+2.42
Columbus, OH	73.6	+0.1	11.42	+7.70
Cincinnati, OH	74.6	+0.1	4.80	+1.01
Louisville, KY	77.9	+0.9	6.72	+3.31
Indianapolis, IN	74.9	+1.4	4.64	+0.82
Evansville, IN	77.2	+0.7	1.89	-1.25
Nashville, TN	79.3	+1.4	3.88	+0.60

STREAMFLOW -- Ohio River monthly average flows for August ranged from a low of 196 percent of normal at Paducah, KY to a high of 276 percent of normal at Louisville, KY. Daily flows ranged from a low of 76 percent of normal at Pittsburgh, PA to a high of 457 percent of normal at Louisville, KY.

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

FLOW DATA – AUGUST 2003

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND			HIGH
Pittsburgh, PA	29,700	249	417	76
Huntington, WV	76,500	251	378	82
Cincinnati, OH	91,100	257	409	93
Louisville, KY	114,000	276	457	79
Evansville, IN	116,000	246	373	85
Paducah, KY	218,000	196	272	77

RESERVOIRS -- August started with 3.7% utilization of the total system flood control storage and ended the month at 1.4%. System-wide augmentation storage started at 98.2% at the beginning of the month and was at 97.5% by the end of the month. Significant flood storage utilization in excess of 50% occurred at two projects in the Mahoning River basin; Kirwan 51%, and Berlin 65%, projects storing in excess of 25 % were Mosquito Creek, Shenango, Roush, Salamonie and Harden.

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

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-162,600
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-51,400
Twelvepole-Big Sandy-Little Sandy-Scioto	+2,900
Little Miami-Licking-Mill Creek-Great Miami	-1,100
Kentucky-Salt-Green-Wabash	-149,300
Cumberland	-556,200
TOTAL	-917,700

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