

	WATER MANAGEMENT MONTHLY REPORT
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RESERVOIR OPERATION AND SYSTEM STATUS FOR FEBRUARY 2004

HIGHLIGHTS – Cairo stage began the month at 22.8 feet and ended at 25.9 feet, having crested at 41.3 on the 15th. Flood stage is 40.0 feet. Flooding occurred in Tennessee, Kentucky and along the Ohio River. Except for the Allegheny basin, most snow cover has now melted.

WEATHER –The weather during February was generally dry with near normal temperatures. There were only two significant precipitation periods during the month; Feb 3rd and 6th. The rainfall on the 6th was very heavy in Tennessee and Kentucky with amounts in excess on 6 inches. This brought flooding conditions in the Cumberland, Tennessee and lower Ohio River valleys. However, most of the basin had below normal precipitation with Illinois, Indiana and northwestern Ohio receiving less than half the normal. Temperatures averaged very near normal over most of the basin.

TEMPERATURE AND PRECIPITATION – FEBRUARY 2004

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	31.7	+1.2	2.44	+0.07
Charleston, WV	36.7	-0.2	2.38	-0.81
Columbus, OH	31.9	-0.2	2.02	-0.18
Cincinnati, OH	33.9	-0.3	1.25	-1.50
Louisville, KY	35.9	-1.7	1.81	-1.44
Indianapolis, IN	32.1	+0.9	0.77	-1.64
Evansville, IN	36.1	+0.3	0.59	-2.51
Nashville, TN	40.7	-0.6	5.77	+2.08

STREAMFLOW -- Ohio River monthly average flows for February ranged from a low of 94 percent of normal at Pittsburgh, PA to a high of 107 percent of normal at Louisville, KY. Daily flows ranged from a low of 24 percent of normal at Pittsburgh, PA to a high of 275 percent of normal at Huntington, WV.

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

FLOW DATA – FEBRUARY 2004

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND			HIGH
Pittsburgh, PA	46,000	94	259	24
Huntington, WV	129,000	100	275	28
Cincinnati, OH	174,000	105	250	35
Louisville, KY	207,000	107	239	38
Evansville, IN	238,000	102	202	49
Paducah, KY	492,000	104	179	53

RESERVOIRS -- February started with 5.4% utilization of the total system flood control storage and ended the month at 2.1%. System-wide augmentation storage started at 97.0% at the beginning of the month and was at 99.1% 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, Paintsville, Buckhorn and JP Priest. The following project utilized in excess of 50 percent of flood control storage; Tygart 54 percent.

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

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+58,700
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+30,700
Twelvepole-Big Sandy-Little Sandy-Scioto	+500
Little Miami-Licking-Mill Creek-Great Miami	+8,500

Kentucky-Salt-Green-Wabash	-23,200
Cumberland	+510,700
TOTAL	+585,900

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