

	<p>WATER MANAGEMENT MONTHLY REPORT</p> <p><u>Information Exchange Bulletin</u></p> <p>Vol. No. <u>09 – 02</u></p> <p>Date: 3 March 2009</p> <p>Prepared by: U.S. Army Engineer Division, Great Lakes and Ohio River, 550 Main St. #10032, Cincinnati, OH 45202-3222</p>
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RESERVOIR OPERATION AND SYSTEM STATUS FOR FEBRUARY 2009

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 24.64 feet. The Cairo stage rose to a high of 36.75 feet on the 19th of the month. Cairo was at 27.90 feet at month’s end. Flood stage at Cairo is 40 feet.

WEATHER – The weather was drier than normal in the basin, except in the Upper Wabash and Maumee River basins. Precipitation departures ranged from 2.06 inches below normal at Charleston, WV to 0.28 inches above normal at Indianapolis, IN. There was a localized snowstorm for parts of the basin from 3-4 February and rainfall events from the 9th through the 12th, the 17th to the 20th, and the 27th to the 28th. Later on the 28th, some areas of the southern half of the basin received significant snowfall as colder air moved in.

The basin temperatures averaged above normal. Temperature departures in the basin ranged from 0.7 degrees above normal at Pittsburgh, PA to 2.7 degrees above normal in Evansville and Indianapolis, IN.

TEMPERATURE AND PRECIPITATION – FEBRUARY 2009

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	31.2	+0.7	1.56	-0.81
Charleston, WV	38.1	+1.2	1.13	-2.06
Columbus, OH	33.8	+1.8	1.93	-0.27

Cincinnati, OH	35.8	+1.7	2.52	-0.23
Louisville, KY	40.2	+2.6	2.20	-1.05
Indianapolis, IN	33.9	+2.7	2.69	+0.28
Evansville, IN	38.5	+2.7	2.76	-0.34
Nashville, TN	43.8	+2.5	2.85	-0.84

STREAMFLOW – The monthly average flows ranged from a low of 80% of normal at Paducah, KY to a high of 120% of normal at Pittsburgh, PA. Daily flows ranged from a low of 43% of normal at Pittsburgh, PA and Huntington, WV to a high of 288% of normal at Pittsburgh, PA. The following table presents the flow data summary for the Ohio River Index Stations:

FLOW DATA – FEBRUARY 2009

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND			HIGH
Pittsburgh, PA	59,000	120	288	43
Huntington, WV	117,000	90	176	43
Cincinnati, OH	154,000	93	162	49
Louisville, KY	190,000	98	156	47
Evansville, IN	224,000	96	136	53
Paducah, KY	379,000	80	100	53

RESERVOIRS – February began with 6.1% utilization of the total system flood control storage and ended the month at 3.3%. System-wide augmentation storage availability began the month at 96.6% and was at 97.9% by the end of the month.

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

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+21,300
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+9,800
Twelvepole-Big Sandy-Little Sandy-Scioto	-900
Little Miami-Licking-Mill Creek-Great Miami	-37,800
Kentucky-Salt-Green-Wabash	-212,500
Cumberland	-371,700
TOTAL	-591,800

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Water Management Division

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