

	<p>WATER MANAGEMENT MONTHLY REPORT</p> <p><u>Information Exchange Bulletin</u></p> <p>Vol. No. <u>11 – 06</u></p> <p>Date: 18 July 2011</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 JUNE 2011

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 46.25 feet. Cairo stage was at 41.96 feet at the end of the month. Flood stage at Cairo is 40 feet. The historic flood control operation ended on 7 June as Cairo fell below flood stage for a time. Another flood control operation began on the 21st.

WEATHER – During June, the rainfall became more showery in nature with some areas receiving heavy rainfall and others much less. Precipitation departures in the basin ranged from 1.62 inches below normal at Pittsburgh, PA to 4.47 inches above normal at Cincinnati, OH. Significant rainfall periods occurred between the 4th through the 5th, the 10th through the 12th, the 15th through the 23rd, and the 25th through the 28th.

June continued a trend of hotter than normal weather in the Ohio Valley. Temperature departures in the basin ranged from 1.5 degrees above normal at Evansville, IN to 3.5 degrees above normal at Charleston, WV and Nashville, TN.

TEMPERATURE AND PRECIPITATION – JUNE 2011

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	70.0	+1.6	2.50	-1.62
Charleston, WV	73.4	+3.5	3.63	-0.46
Columbus, OH	72.5	+1.3	3.03	-1.05
Cincinnati, OH	72.8	+0.8	8.89	+4.47
Louisville, KY	77.3	+3.1	7.14	+3.38

Indianapolis, IN	73.7	+2.0	5.76	+1.63
Evansville, IN	76.3	+1.5	6.52	+2.42
Nashville, TN	78.6	+3.5	5.04	+0.96

STREAMFLOW – The monthly average flows ranged from a low of 81% of normal at Pittsburgh, PA to a high of 158% of normal at Paducah, KY.

Daily flows ranged from a low of 39% of normal at Pittsburgh, PA and Evansville, IN to a high of 275% of normal at Evansville, IN.

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

FLOW DATA – JUNE 2011

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	19,000	81	211	39
Huntington, WV	55,000	98	178	51
Cincinnati, OH	76,000	101	205	50
Louisville, KY	94,000	118	256	41
Evansville, IN	127,000	127	275	39
Paducah, KY	306,000	158	254	114

RESERVOIRS – June began with 10.9% utilization of the total system flood control storage and ended the month at 4.3%. System-wide augmentation storage availability began the month at 99.2% and was at 99.0% by the end of the month.

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

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-96,600
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-68,800
Twelvepole-Big Sandy-Little Sandy-Scioto	-23,000
Little Miami-Licking-Mill Creek-Great Miami	-173,700
Kentucky-Salt-Green-Wabash	-680,200
Cumberland	-892,000
TOTAL	-1,934,600

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