

	<p>WATER MANAGEMENT MONTHLY REPORT</p> <p><u>Information Exchange Bulletin</u></p> <p>Vol. No. <u>12 -06</u></p> <p>Date: 2 August 2012</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 JULY 2012

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 11.40 feet. Cairo stage was at 13.46 feet at the end of the month. The stage at Cairo fell as low as 8.72 feet on the 25th. Flood stage at Cairo is 40 feet. Navigation limitations begin at a Cairo stage of 8.3 feet. Formal low flow coordination continued throughout July to improve navigation conditions along the lower Ohio River.

WEATHER – July remained much warmer than normal with below normal precipitation in the west and much wetter than normal conditions in the eastern and southeastern Ohio Valley. This led to an expansion in severe to exceptional drought in Indiana, western Kentucky, and southern Illinois. Precipitation departures in the basin ranged from 3.72 inches below normal at Indianapolis, IN to 4.74 inches above normal at Nashville, TN. Temperature departures in the basin ranged from 3.1 degrees above normal at Charleston, WV to 8.6 degrees above normal at Indianapolis, IN.

TEMPERATURE AND PRECIPITATION – JUNE 2012

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	76.7	+4.1	7.32	+3.49
Charleston, WV	78.5	+3.1	7.59	+2.65
Columbus, OH	80.5	+5.3	2.54	-2.25
Cincinnati, OH	81.2	+5.3	1.83	-1.93
Louisville, KY	84.5	+5.2	4.00	-0.25
Indianapolis, IN	84.0	+8.6	0.83	-3.72

Evansville, IN	84.5	+6.5	2.34	-1.58
Nashville, TN	83.5	+4.1	8.38	+4.74

STREAMFLOW – The monthly average flows ranged from a low of 43% of normal at Paducah, KY to a high of 77% of normal at Pittsburgh, PA.

Daily flows ranged from a low of 11% of normal at Huntington, WV to a high of 228 of normal at Pittsburgh, PA.

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

FLOW DATA – JULY 2012

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
CUBIC FEET/SECOND			HIGH	LOW
Pittsburgh, PA	10,700	11	228	29
Huntington, WV	27,000	27	188	11
Cincinnati, OH	32,700	33	215	25
Louisville, KY	34,800	35	201	21
Evansville, IN	32,700	33	172	15
Paducah, KY	61,100	61	120	24

RESERVOIRS – July began with 0.3% utilization of the total system flood control storage and ended the month at 0.8%. System-wide augmentation storage availability began the month at 90.4% and was 88.2% 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	-83,300
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	3,900
Twelvepole-Big Sandy-Little Sandy-Scioto	600
Little Miami-Licking-Mill Creek-Great Miami	2,300
Kentucky-Salt-Green-Wabash	16,500
Cumberland	74,300
TOTAL	14,300

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