

	<p>WATER MANAGEMENT MONTHLY REPORT</p> <p><u>Information Exchange Bulletin</u></p> <p>Vol. No. <u>12 -06</u></p> <p>Date: 17 July 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 JUNE 2012

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 14.43 feet. Cairo stage was at 11.40 feet at the end of the month. Flood stage at Cairo is 40 feet. Formal low flow coordination began on the 20th of June to improve navigation conditions along the lower Ohio River.

WEATHER – June was warmer than normal, but drought development was the main weather factor for the Ohio Valley as below normal basin-averaged precipitation continued for the 5th month in a row. Indianapolis and Evansville set new record low precipitation totals for June. Precipitation departures in the basin ranged from 1.57 inches below normal at Charleston, WV to 4.16 inches below normal at Indianapolis, IN. Temperature departures in the basin ranged from 0.6 degrees above normal at Charleston, WV and Louisville, KY to 2.6 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	70.1	+1.4	1.24	-3.06
Charleston, WV	72.5	+0.6	2.59	-1.70
Columbus, OH	73.2	+1.7	2.01	-2.00
Cincinnati, OH	73.1	+1.0	1.94	-2.09
Louisville, KY	76.2	+0.6	0.79	-3.00
Indianapolis, IN	74.6	+2.6	0.09R	-4.16

Evansville, IN	76.1	+1.3	0.15R	-3.63
Nashville, TN	77.0	+1.3	0.26	-3.88

R- Record Low Precipitation for June

STREAMFLOW – The monthly average flows ranged from a low of 31% of normal at Paducah, KY to a high of 47% of normal at Huntington, WV.

Daily flows ranged from a low of 9% of normal at Evansville, IN to a high of 88 of normal at Huntington, WV.

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

FLOW DATA – JUNE 2012

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	10,000	44	83	21
Huntington, WV	27,000	47	88	14
Cincinnati, OH	30,000	39	73	11
Louisville, KY	29,000	37	74	10
Evansville, IN	33,000	33	69	9
Paducah, KY	60,000	31	54	12

RESERVOIRS – June began with 0.5% utilization of the total system flood control storage and ended the month at 0.3%. System-wide augmentation storage availability began the month at 92.5% and was 90.4% 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	-81,800
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-6,900
Twelvepole-Big Sandy-Little Sandy-Scioto	-6,200
Little Miami-Licking-Mill Creek-Great Miami	-6,500
Kentucky-Salt-Green-Wabash	-1,500
Cumberland	-161,700
TOTAL	-264,600

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Water Management Division

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U.S. Army Corps of Engineers