



RESERVOIR OPERATION AND SYSTEM STATUS FOR NOVEMBER 2012

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 11.74 feet. Cairo stage was at 8.38 feet at the end of the month. The stage at Cairo fell as low as 8.05 feet on the 29th. Flood stage at Cairo is 40 feet. Navigation limitations along the Ohio River at Cairo due to low flow begin at 8.3 feet. Formal low flow coordination continued throughout November to improve navigation conditions and Olmsted construction along the lower Ohio River.

WEATHER – November was cooler and drier than normal across much of the Ohio Valley. The most significant precipitation event occurred on the 11th through the 12th. Precipitation departures in the basin ranged from 3.14 inches below normal at Evansville, IN to 2.27 inches below normal at Charleston, WV. Louisville, KY recorded their 7th driest November on record. Temperature departures in the basin ranged from 4 degrees below normal at Charleston, WV to 2.2 degrees below normal at Indianapolis, IN, Evansville, IN, and Nashville, TN.

TEMPERATURE AND PRECIPITATION – NOVEMBER 2012

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	39.6	-3.3	0.38	-2.85
Charleston, WV	43.0	-4.0	1.05	-2.68
Columbus, OH	42.1	-2.3	0.66	-2.54
Cincinnati, OH	42.1	-3.0	1.08	-2.35
Louisville, KY	45.9	-2.8	0.75	-2.84

Indianapolis, IN	41.4	-2.2	1.33	-2.37
Evansville, IN	44.2	-2.2	1.19	-3.14
Nashville, TN	47.6	-2.2	1.38	-2.93

STREAMFLOW – The monthly average flows ranged from a low of 99% of normal at Paducah, KY to a high of 163% of normal at Pittsburgh, PA.

Daily flows ranged from a low of 34% of normal at Evansville, IN to a high of 468% of normal at Huntington, WV.

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

FLOW DATA – NOVEMBER 2012

STATION	AVERAGE MONTHLY FLOW CUBIC FEET/SECOND	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	35,900	163	403	49
Huntington, WV	71,400	160	467	49
Cincinnati, OH	82,600	154	406	54
Louisville, KY	92,200	157	412	43
Evansville, IN	87,300	130	282	34
Paducah, KY	136,800	99	168	35

RESERVOIRS –November began with 4.2% utilization of the total system flood control storage and ended the month at 3.2%. System-wide augmentation storage availability began the month at 86% and was 88.4% by the end of the month.

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

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-211,800
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-165,000
Twelvepole-Big Sandy-Little Sandy-Scioto	-89,400
Little Miami-Licking-Mill Creek-Great Miami	-51,100
Kentucky-Salt-Green-Wabash	-218,300
Cumberland	-59,900
TOTAL	-795,500

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