

	WATER MANAGEMENT MONTHLY REPORT
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RESERVOIR OPERATION AND SYSTEM STATUS FOR JANUARY 2008

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 26.73 feet. The Cairo stage rose at the start of the month cresting at 35.04 feet on the 16th of the month before ending the month at 18.32 feet. Flood stage at Cairo is 40 feet. There was a severe localized flooding event in northwestern Ohio and Indiana due to heavy rainfall from the 8th to the 9th.

WEATHER – The weather was near normal during January in the Ohio Valley, excluding local areas of heavy precipitation and the persistently dry Cumberland River System.. Precipitation departures ranged from 1.07 inches below normal at Pittsburgh, PA to 1.06 inches above normal at Evansville, IN. The most significant precipitation events were from the 8th to the 9th, the 11th, and the 29th to the 30th.

Ohio Valley temperatures averaged near normal to above normal during January. The temperatures ranged from 0.2 degrees above normal at Cincinnati, OH and Nashville, TN to 3.9 degrees above normal in Pittsburgh, PA.

TEMPERATURE AND PRECIPITATION – JANUARY 2008

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	31.4	+3.9	1.63	-1.07
Charleston, WV	34.7	+1.3	2.43	-0.82
Columbus, OH	31.7	+3.4	1.64	-0.89
Cincinnati, OH	29.9	+0.2	2.33	-0.59
Louisville, KY	34.7	+1.7	2.92	-0.36
Indianapolis, IN	28.7	+2.2	2.14	-0.34
Evansville, IN	32.0	+1.0	3.97	+1.06
Nashville, TN	37.0	+0.2	4.76	+0.79

STREAMFLOW – Stream flow throughout the Ohio River during January began above normal, before dropping below normal for several days. A series of systems from the middle to the end of the month then raised flows above normal. The monthly average flows ranged from a low of 73 percent of normal at Paducah, KY to a high of 107 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 28 percent of normal at Louisville, KY to a high of 219 percent of normal at Pittsburgh, PA . The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA – JANUARY 2008

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND			HIGH
Pittsburgh, PA	46,000	107	219	42
Huntington, WV	94,000	84	185	40
Cincinnati, OH	119,000	87	189	37
Louisville, KY	144,000	85	172	28
Evansville, IN	174,000	91	168	34
Paducah, KY	288,000	73	124	34

RESERVOIRS – January began with 5.6% utilization of the total system flood control storage and ended the month at 3.8%. System-wide augmentation storage availability began at 98.3% at the beginning of the month and was at 99.7% by the end of the month.

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

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-35,100
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+5,100
Twelvepole-Big Sandy-Little Sandy-Scioto	- 400
Little Miami-Licking-Mill Creek-Great Miami	-1,700
Kentucky-Salt-Green-Wabash	-200,200
Cumberland	-4,800
TOTAL	-237,100

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