

Water-Data Report 2012

**03303280 OHIO RIVER AT CANNELTON DAM, KY**

Lower Ohio Basin  
Lower Ohio-Little Pigeon Subbasin

LOCATION.--Lat 37°53'58", long 86°42'20" referenced to North American Datum of 1927, Perry County, IN, Hydrologic Unit 05140201, at Cannelton Dam on Ohio River at Cannelton, In., 0.7 miles upstream from Indian Creek, 3.3 miles upstream from Lead Creek and at mile 720.8.

DRAINAGE AREA.--97000.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1975 to current year.

GAGE.--Water-stage recorders with telemetry. Datum of headwater gage, located at the end of the upstream lockwall, is 374.0 feet Ohio River datum. Datum of tailwater gage, located at the end of the downstream lockwall, is 26.0 feet lower.

COOPERATION.--U.S. Army Corps of Engineers, Louisville District.

REMARKS.--Records good except for those estimated and for discharges less than 20,000 ft<sup>3</sup>/s, which are poor, also extreme events, which can be affected by high flows on the Mississippi River. All extreme high flow periods should be scrutinized for this reason. Daily discharge computed from head, gate openings, and lockages furnished by the U.S. Army Corps of Engineers, Louisville District. Flow regulated by Ohio River system of locks, dams, and reservoirs upstream from station.

## 03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**  
 [ $\times 10^6$ , million]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	69,600	170,000	479,000	362,000	420,000	170,000	121,000	170,000	75,900	21,400	36,900	24,200
2	65,900	158,000	476,000	284,000	392,000	200,000	127,000	150,000	74,800	23,900	30,800	10,200
3	64,100	151,000	462,000	248,000	343,000	266,000	128,000	167,000	71,100	18,700	35,100	28,200
4	77,600	137,000	426,000	206,000	264,000	320,000	119,000	180,000	69,500	20,400	33,600	39,200
5	103,000	131,000	410,000	181,000	238,000	391,000	122,000	210,000	67,200	19,700	28,700	17,300
6	102,000	111,000	447,000	165,000	216,000	423,000	113,000	238,000	58,600	35,200	32,200	21,900
7	103,000	92,200	474,000	149,000	194,000	430,000	103,000	256,000	58,400	17,100	44,300	32,000
8	97,700	78,400	460,000	139,000	177,000	412,000	102,000	270,000	44,200	16,300	45,400	44,300
9	76,300	77,100	417,000	125,000	164,000	281,000	90,800	268,000	22,200	10,400	39,500	35,600
10	55,800	76,500	395,000	114,000	154,000	278,000	81,600	254,000	18,800	10,300	26,700	32,900
11	54,900	67,400	408,000	111,000	141,000	270,000	74,600	249,000	42,200	30,800	26,700	32,700
12	66,500	67,300	423,000	122,000	131,000	267,000	71,400	253,000	29,500	20,700	31,200	30,800
13	42,500	60,700	414,000	143,000	113,000	267,000	64,700	239,000	28,900	11,900	34,700	28,300
14	52,000	63,000	355,000	161,000	109,000	244,000	61,200	229,000	32,700	15,800	33,800	21,700
15	89,400	86,100	234,000	184,000	105,000	206,000	59,400	217,000	37,700	28,400	29,500	10,500
16	117,000	116,000	198,000	192,000	93,300	209,000	73,300	177,000	21,100	24,100	19,200	9,000
17	124,000	160,000	188,000	198,000	114,000	236,000	61,500	157,000	39,100	29,100	18,600	9,060
18	109,000	221,000	176,000	252,000	122,000	245,000	53,700	153,000	9,920	28,100	20,900	19,000
19	97,400	252,000	165,000	270,000	132,000	238,000	57,000	148,000	42,600	32,000	16,500	43,300
20	94,800	261,000	164,000	277,000	148,000	217,000	52,000	123,000	41,800	36,000	16,100	50,100
21	143,000	245,000	169,000	284,000	153,000	199,000	41,800	92,700	29,100	42,600	16,200	32,200
22	171,000	228,000	188,000	283,000	144,000	207,000	57,700	64,300	20,200	72,900	14,200	49,900
23	172,000	260,000	205,000	277,000	130,000	212,000	63,300	58,000	23,900	24,600	13,500	50,500
24	155,000	302,000	225,000	293,000	128,000	203,000	55,300	66,200	18,100	31,300	38,800	25,600
25	136,000	360,000	242,000	302,000	130,000	196,000	48,200	71,000	26,700	44,500	20,400	27,000
26	120,000	392,000	264,000	346,000	143,000	172,000	71,700	58,300	21,800	31,600	4,800	26,700
27	115,000	406,000	285,000	389,000	156,000	158,000	89,800	42,800	7,020	42,200	3,010	51,000
28	124,000	418,000	295,000	439,000	157,000	162,000	129,000	51,500	11,400	99,700	7,370	33,300
29	148,000	457,000	334,000	447,000	156,000	168,000	167,000	53,900	15,000	108,000	16,000	44,100
30	168,000	475,000	350,000	436,000	---	160,000	180,000	58,000	10,800	89,700	25,200	54,900
31	176,000	---	364,000	429,000	---	141,000	---	63,300	---	71,500	25,200	---
<b>Total</b>	3,290,500	6,079,700	10.09 $\times 10^6$	7,808,000	5,067,300	7,548,000	2,640,000	4,788,000	1,070,240	1,108,900	785,080	935,460
<b>Mean</b>	106,100	202,700	325,500	251,900	174,700	243,500	88,000	154,500	35,670	35,770	25,330	31,180
<b>Max</b>	176,000	475,000	479,000	447,000	420,000	430,000	180,000	270,000	75,900	108,000	45,400	54,900
<b>Min</b>	42,500	60,700	164,000	111,000	93,300	141,000	41,800	42,800	7,020	10,300	3,010	9,000

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2012, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	60,180	97,010	161,700	178,000	202,000	244,600	208,500	174,000	107,800	65,820	52,090	49,800
<b>Max</b>	177,100	242,100	334,000	414,100	358,600	459,700	447,700	415,100	239,700	125,500	148,200	219,700
<b>(WY)</b>	(2007)	(2004)	(1979)	(2005)	(1994)	(2011)	(2011)	(1996)	(2003)	(1998)	(1980)	(2004)
<b>Min</b>	13,980	24,350	47,120	36,500	94,740	125,500	72,990	46,020	16,490	18,760	13,130	11,630
<b>(WY)</b>	(1992)	(1999)	(1999)	(1977)	(1992)	(1983)	(1986)	(1976)	(1988)	(1988)	(1988)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1976 - 2012	
<b>Annual total</b>	74,454,070		51,213,180			
<b>Annual mean</b>	204,000		139,900		133,100	
<b>Highest annual mean</b>					200,300	2004
<b>Lowest annual mean</b>					72,150	1988
<b>Highest daily mean</b>	647,000	Apr 28	479,000	Dec 1	735,000	Mar 8, 1997
<b>Lowest daily mean</b>	9,170	Sep 2	3,010	Aug 27	2,550	Sep 4, 2010
<b>Annual seven-day minimum</b>	20,500	Aug 30	14,600	Aug 25	7,650	Jul 12, 1988
<b>Maximum peak flow</b>			479,000	Dec 1	736,000	Mar 8, 1997
<b>Maximum peak stage</b>			38.91	Dec 1	52.42	Mar 8, 1997
<b>10 percent exceeds</b>	523,000		337,000		288,000	
<b>50 percent exceeds</b>	124,000		109,000		95,500	
<b>90 percent exceeds</b>	42,400		20,800		23,000	

