

Water-Data Report 2013

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 mi².

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 ft³/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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	47,900	149,000	37,900	192,000	259,000	165,000	160,000	150,000	64,100	157,000	92,300	122,000
2	40,300	188,000	27,300	168,000	318,000	182,000	148,000	144,000	69,900	176,000	56,000	121,000
3	47,700	217,000	30,400	150,000	380,000	190,000	141,000	139,000	72,800	184,000	42,100	78,900
4	34,200	209,000	42,000	141,000	431,000	190,000	142,000	132,000	75,800	178,000	37,600	56,500
5	30,700	180,000	44,700	127,000	452,000	171,000	146,000	129,000	66,000	188,000	41,800	42,700
6	39,800	153,000	52,800	119,000	443,000	152,000	144,000	161,000	62,800	236,000	43,700	42,000
7	41,700	133,000	74,700	104,000	339,000	154,000	127,000	197,000	59,000	292,000	36,700	44,300
8	41,800	118,000	113,000	84,700	270,000	188,000	119,000	189,000	65,800	301,000	41,200	36,700
9	41,800	110,000	143,000	80,000	232,000	211,000	116,000	167,000	75,200	275,000	56,200	29,000
10	36,300	88,200	204,000	98,000	199,000	220,000	114,000	173,000	85,200	246,000	80,500	39,400
11	10,600	77,400	247,000	109,000	183,000	221,000	105,000	219,000	97,700	225,000	108,000	14,600
12	16,800	74,000	282,000	129,000	174,000	247,000	120,000	250,000	106,000	218,000	132,000	31,900
13	23,900	74,100	305,000	190,000	156,000	245,000	148,000	229,000	105,000	243,000	139,000	31,500
14	19,900	63,200	319,000	273,000	152,000	222,000	174,000	199,000	110,000	260,000	130,000	51,100
15	31,200	87,700	303,000	301,000	152,000	211,000	200,000	181,000	151,000	260,000	136,000	16,500
16	30,000	96,800	230,000	347,000	152,000	214,000	226,000	165,000	188,000	220,000	142,000	33,200
17	20,000	103,000	169,000	353,000	150,000	216,000	232,000	145,000	208,000	167,000	121,000	38,900
18	22,800	89,000	140,000	356,000	133,000	252,000	232,000	127,000	195,000	129,000	89,700	33,900
19	29,200	65,000	131,000	382,000	124,000	296,000	259,000	119,000	151,000	111,000	52,300	23,600
20	13,100	51,700	162,000	413,000	105,000	338,000	293,000	111,000	123,000	101,000	50,400	24,700
21	13,200	42,400	211,000	420,000	104,000	365,000	301,000	93,800	121,000	93,300	69,400	62,500
22	24,000	44,900	243,000	382,000	106,000	372,000	266,000	85,800	125,000	118,000	49,500	75,500
23	26,600	43,100	243,000	267,000	102,000	345,000	230,000	83,700	100,000	133,000	72,800	62,800
24	30,300	42,600	243,000	209,000	109,000	257,000	194,000	83,300	60,000	135,000	68,400	74,000
25	30,100	44,900	244,000	161,000	99,800	204,000	184,000	90,100	48,500	140,000	85,500	67,900
26	30,000	40,100	228,000	124,000	89,100	187,000	175,000	102,000	56,700	156,000	90,800	49,400
27	31,400	25,300	214,000	104,000	112,000	200,000	156,000	90,300	127,000	156,000	39,800	36,100
28	32,500	32,300	214,000	94,700	138,000	210,000	140,000	70,500	151,000	119,000	39,100	36,100
29	27,800	39,100	226,000	90,400	---	206,000	139,000	64,800	135,000	82,300	50,500	29,000
30	25,600	39,100	244,000	130,000	---	196,000	146,000	65,000	137,000	100,000	68,900	29,100
31	84,100	---	233,000	202,000	---	180,000	---	51,500	---	100,000	102,000	---
Total	975,300	2,720,900	5,600,800	6,300,800	5,663,900	7,007,000	5,277,000	4,206,800	3,192,500	5,499,600	2,365,200	1,434,800
Mean	31,460	90,700	180,700	203,300	202,300	226,000	175,900	135,700	106,400	177,400	76,300	47,830
Max	84,100	217,000	319,000	420,000	452,000	372,000	301,000	250,000	208,000	301,000	142,000	122,000
Min	10,600	25,300	27,300	80,000	89,100	152,000	105,000	51,500	48,500	82,300	36,700	14,600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	59,420	96,840	162,200	178,600	202,000	244,100	207,600	173,000	107,800	68,760	52,720	49,740
Max	177,100	242,100	334,000	414,100	358,600	459,700	447,700	415,100	239,700	177,400	148,200	219,700
(WY)	(2007)	(2004)	(1979)	(2005)	(1994)	(2011)	(2011)	(1996)	(2003)	(2013)	(1980)	(2004)
Min	13,980	24,350	47,120	36,500	94,740	125,500	72,990	46,020	16,490	18,760	13,130	11,630
(WY)	(1992)	(1999)	(1999)	(1977)	(1992)	(1983)	(1986)	(1976)	(1988)	(1988)	(1988)	(1999)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1976 - 2013	
Annual total	41,047,980		50,244,600			
Annual mean	112,200		137,700		133,300	
Highest annual mean					200,300	2004
Lowest annual mean					72,150	1988
Highest daily mean	447,000	Jan 29	452,000	Feb 5	735,000	Mar 8, 1997
Lowest daily mean	3,010	Aug 27	10,600	Oct 11	2,550	Sep 4, 2010
Annual seven-day minimum	14,600	Aug 25	21,300	Oct 17	7,650	Jul 12, 1988
Maximum peak flow			454,000	Feb 5	736,000	Mar 8, 1997
Maximum peak stage			37.34	Feb 5	52.42	Mar 8, 1997
10 percent exceeds	258,000		258,000		287,000	
50 percent exceeds	68,400		124,000		96,600	
90 percent exceeds	19,800		34,100		23,300	

