

Table 1. Comparison of maximum daily peak streamflows at selected U.S. Geological Survey streamflow-gaging stations for selected historic floods along the Arkansas River in southwestern and south-central Kansas.

[Source of data: U.S. Geological Survey National Water Information System peak-flow file for Kansas (available on the World Wide Web at URL: <http://ks.waterdata.usgs.gov/nwis>) and Putnam and Schneider (2003), except as noted. Blue shading indicates peak of USGS record. --, no record available; ft³/s, cubic feet per second]

U.S. Geological Survey streamflow-gaging station number (fig. 1)	Station name	Maximum annual (calendar year) peak streamflow (ft ³ /s)										Long-term annual mean streamflow (ft ³ /s) (period of USGS record, water years ¹)
		1908	1923	1944	1951	1957	1965	1973	1981	1993	1998	
07137500	Arkansas River near Coolidge	² 597,000	--	--	³ 60,000 (May 15)	³ 13,400 (May 16)	³ 158,000 (June 17)	³ 2,440 (July 31)	³ 623 (July 27)	³ 621 (July 15)	³ 2,870 (Aug. 2)	227 (1951-2002)
07138000	Arkansas River at Syracuse	³ 487,000 (Oct. 20)	17,400 (Aug. 23)	³ 5,280 (May 31)	³ 54,300 (May 15)	³ 13,800 (May 29)	³ 174,000 (June 17)	³ 4,550 (Sept. 4)	³ 468 (Sept. 2)	³ 549 July 15)	³ 2,060 (Aug. 2)	298 (1903-2002)
07139000	Arkansas River at Garden City	--	³ 19,500 (June 18)	³ 7,530 (June 1)	³ 33,500 (May 16)	³ 4,220 (May 18)	³ 130,000 (June 19)	³ 333 (Apr. 4)	³ 5,650 (Sept. 3)	³ 212 (Feb. 26)	³ 1,310 (Apr. 6)	188 (1923-2002)
07139500	Arkansas River at Dodge City	--	--	--	³ 19,700 (May 18)	³ 2,040 (May 20)	³ 82,000 (June 19)	³ 1,500 (Mar. 31)	³ 41.0 (Sept. 7)	³ 220 (July 13)	--	139 (1903-2002)
07140000	Arkansas River near Kinsley	--	--	--	³ 11,700 (May 19)	³ 1,280 (June 27)	³ 49,800 (June 21)	³ 6,320 (Apr. 1)	³ 33.0 (May 17)	³ 28.0 (Mar. 4)	³ 1,200 (Apr. 10)	130 (1945-2002)
07141300	Arkansas River at Great Bend	--	--	³ 7,120 (May 4)	³ 13,900 (May 25)	³ 6,920 (July 1)	³ 27,800 (June 23)	³ 16,500 (Apr. 3)	³ 14,000 (June 15)	³ 5,710 (July 21)	--	265 (1941-2002)
07143330	Arkansas River near Hutchinson	--	--	--	--	--	³ 15,500 (June 25)	³ 24,700 (Sept. 28)	³ 6,210 (June 20)	³ 15,700 (July 23)	³ 3,790 (Apr. 3)	546 (1960-2002)

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		1908	1923	1944	1951	1957	1965	1973	1981	1993	1998	
07144200	Little Arkansas River at Valley Center ⁷	--	10,500 (June 10)	26,300 (Apr. 23)	22,400 (May 17)	19,800 (May 17)	17,800 (June 10)	14,600 (Mar. 11)	8,560 (Nov. 2)	29,300 (July 15)	20,200 (Nov. 1)	313 (1923-2002)
07144300	Arkansas River at Wichita ⁸	6,700 (Oct. 24)	18,000 (June 10)	26,600 (Apr. 24)	27,600 (July 1)	30,700 (May 17)	21,600 (June 10)	39,400 (Oct. 1)	13,300 (Nov. 2)	43,800 (July 15)	37,300 (Nov. 1)	1,060 (1935-2002)
07145500	Ninnescah River near Peck ⁹	--	70,000 (June 9)	24,600 (Apr. 23)	25,100 (May 17)	38,200 (May 17)	--	³ 27,400 (Mar. 31)	³ 1,180 (Sept. 8)	³ 21,600 (May 10)	³ 35,600 (Nov. 1)	520 (1938-2002)
07146500	Arkansas River at Arkansas City	--	103,000 (June 10)	73,500 (Apr. 24)	66,000 (May 19)	73,100 (May 18)	³ 54,400 (Nov. 17)	³ 56,800 (Oct. 13)	³ 19,400 (Nov. 3)	³ 78,600 (May 11)	³ 97,400 (Nov. 3)	1,922 (1903-2002)
07147800	Walnut River at Winfield	--	76,000 (June 10)	105,000 (Apr. 23)	83,000 (July 1)	30,100 (May 19)	61,800 (June 6)	46,000 (Oct. 12)	3,540 (June 3)	44,500 (May 11)	³ 96,100 (Nov. 2)	867 (1922-2002)

¹ Water year is the 12-month period beginning October 1 and ending September 30. The water year is designated by the calendar in which it ends. For example, the year ending September 30, 2003, is called the "2003 water year."

² Data from Kansas Water Resources Board (1962, p. 40).

³ Streamflow is affected by regulation or diversion.

⁴ Streamflow is an historic peak.

⁵ Streamflow is an estimate.

⁶ Discharge less than indicated value, which was minimum recordable discharge at this site.

⁷ The peak of record at this station occurred on April 16, 1945 (32,000 ft³/s).

⁸ An historic peak at this station occurred on July 8, 1904 (39,000 ft³/s). An historic peak is a peak discharge that occurred outside the period of USGS record. The peak of USGS record for this station occurred on October 31, 1979 (48,400 ft³/s).

⁹ Affected by regulation since 1964.