

**06893000 MISSOURI RIVER AT KANSAS CITY, MO**

Missouri River Main Stem

LOCATION.--Lat 39°06'42.2", long 94°35'17.3" referenced to North American Datum of 1983, in sec.32, T.50 N., R.33 W., Jackson County, MO, Hydrologic Unit 10300101, near right bank on downstream side of pier of Chicago, Burlington and Quincy Railroad Bridge at Kansas City, 1.4 mi downstream from Kansas River, and at mile 366.1.

DRAINAGE AREA.--484,100 mi<sup>2</sup>, the 3,959 mi<sup>2</sup> in Great Divide basin are not included.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1897 to current year. Prior to August 1928 monthly discharge only, published in WSP 1310. Gage-height records collected at same site 1873-99 are contained in reports of the Missouri River Commission; those since 1900 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP WDR MO-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 706.40 ft above National Geodetic Vertical Datum of 1929. Prior to May 4, 1931, nonrecording gage; May 4, 1931, to Aug. 23, 1934, water-stage recorder, at present site and datum; Aug. 24, 1934, to May 15, 1947, water-stage recorder at site 200 ft upstream at same datum; May 16, 1947, to Feb. 28, 1948, nonrecording gage at present site; Feb. 29, 1948, to Oct. 1, 1989, at datum 10.00 ft higher.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 573,000 ft<sup>3</sup>/s, July 14, 1951; gage height, 36.2 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 16, 1844, reached a stage of 48.0 ft, present datum; discharge, about 625,000 ft<sup>3</sup>/s, computed by the U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 286,000 ft<sup>3</sup>/s, May 8, gage height, 35.47 ft; minimum discharge, 18,700 ft<sup>3</sup>/s, Jan 19, gage height, 3.17 ft.

## 06893000 MISSOURI RIVER AT KANSAS CITY, MO—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	39,500	21,300	22,300	25,200	25,200	57,300	67,400	76,300	92,400	62,400	38,500	56,100
2	38,400	20,900	22,300	28,900	24,200	49,800	73,200	74,200	109,000	53,900	38,300	54,800
3	37,700	20,500	21,700	34,400	23,500	47,900	69,800	73,200	113,000	50,500	40,500	47,000
4	37,400	20,600	21,600	32,900	23,600	45,800	68,000	69,500	93,200	49,600	40,200	43,300
5	37,000	20,500	21,000	30,300	23,800	41,800	66,100	65,700	89,500	48,900	39,200	43,400
6	36,200	20,200	20,800	28,200	24,200	39,300	65,500	79,800	92,000	49,000	40,400	42,700
7	35,400	20,100	21,400	27,400	24,700	37,200	63,200	210,000	93,500	47,100	40,100	46,400
8	35,100	20,200	21,700	28,300	24,400	35,300	60,700	275,000	94,700	45,100	38,400	56,800
9	35,000	20,300	21,600	29,000	24,100	34,700	58,500	261,000	89,800	43,200	57,600	65,600
10	34,900	20,200	22,000	28,300	24,500	34,800	56,000	239,000	89,400	42,500	89,500	51,100
11	34,700	19,900	22,600	27,700	24,500	39,300	54,900	224,000	86,400	41,700	71,700	46,800
12	34,400	19,900	22,500	27,500	24,600	52,200	56,000	202,000	84,200	41,300	63,400	43,800
13	34,300	20,000	22,200	27,400	25,100	58,400	60,000	172,000	87,100	41,000	57,500	41,600
14	33,300	20,100	22,700	27,200	24,900	61,000	60,800	145,000	87,300	41,400	53,800	41,600
15	31,700	20,400	23,900	26,300	24,500	68,400	60,000	123,000	83,500	40,600	54,100	41,400
16	29,400	20,500	24,200	24,200	24,200	75,500	58,200	111,000	79,000	40,400	54,300	40,700
17	27,600	20,300	23,600	21,200	24,500	72,600	55,500	109,000	74,500	39,400	51,900	38,800
18	25,800	20,000	23,800	19,200	24,300	66,800	53,600	105,000	73,600	38,800	49,700	37,100
19	24,200	20,100	24,200	18,900	24,400	62,600	52,300	103,000	73,600	38,800	47,300	37,100
20	23,200	20,000	25,100	20,300	26,600	61,500	51,200	103,000	72,300	37,600	45,800	36,400
21	23,200	20,100	25,100	21,900	32,300	61,500	49,600	99,700	68,800	37,000	44,500	39,600
22	23,200	20,100	24,700	22,500	37,900	60,800	48,500	100,000	64,900	37,900	41,700	41,900
23	22,700	20,400	24,200	23,600	40,800	57,800	47,600	99,900	63,700	39,000	41,100	40,600
24	22,500	20,400	24,900	25,400	45,100	55,700	46,900	97,700	60,800	38,600	44,400	38,600
25	22,600	20,200	25,500	26,300	50,500	54,200	47,700	128,000	59,700	38,500	82,700	41,100
26	23,300	20,200	26,000	26,900	68,300	52,200	67,200	152,000	57,300	38,400	96,400	40,300
27	24,600	20,300	25,900	26,700	67,300	52,200	95,800	132,000	54,800	36,500	85,400	40,600
28	26,300	21,400	24,900	26,700	58,100	51,100	98,100	119,000	55,000	35,400	70,000	41,700
29	25,300	21,700	24,300	26,700	---	49,800	87,100	104,000	59,600	35,800	57,700	39,700
30	23,200	21,900	24,600	26,300	---	53,200	79,200	102,000	59,400	37,500	50,700	37,100
31	21,900	---	24,500	25,800	---	58,800	---	98,000	---	36,700	50,200	---
Mean	29,810	20,420	23,410	26,180	31,790	53,210	62,620	130,700	78,730	42,080	54,100	43,790
Max	39,500	21,900	26,000	34,400	68,300	75,500	98,100	275,000	113,000	62,400	96,400	65,600
Min	21,900	19,900	20,800	18,900	23,500	34,700	46,900	65,700	54,800	35,400	38,300	36,400
In.	0.07	0.05	0.06	0.06	0.07	0.13	0.14	0.31	0.18	0.10	0.13	0.10

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2007 <sup>a</sup>, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	54,400	50,140	35,480	28,990	37,620	54,210	68,150	72,280	76,820	67,880	55,310	55,930
Max	135,200	103,200	75,370	60,980	77,690	133,700	148,900	145,800	173,800	288,300	144,300	115,600
(WY)	(1974)	(1999)	(1987)	(1973)	(1973)	(1979)	(1984)	(1995)	(1984)	(1993)	(1993)	(1993)
Min	29,810	20,420	12,970	13,800	16,610	20,190	36,370	37,230	37,470	33,690	32,980	34,510
(WY)	(2007)	(2007)	(1964)	(1963)	(1964)	(1964)	(1990)	(1989)	(2006)	(2002)	(2003)	(1991)

06893000 MISSOURI RIVER AT KANSAS CITY, MO—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1958 - 2007 <sup>a</sup>	
<b>Annual mean</b>	33,130		49,870		54,810	
<b>Highest annual mean</b>					102,100	1993
<b>Lowest annual mean</b>					34,130	2006
<b>Highest daily mean</b>	65,500	May 1	275,000	May 8	529,000	Jul 27, 1993
<b>Lowest daily mean</b>	19,900	Nov 11 <sup>b</sup>	18,900	Jan 19	4,730	Dec 18, 1963
<b>Annual seven-day minimum</b>	20,100	Nov 7	20,100	Nov 7	5,480	Dec 17, 1963
<b>Maximum peak flow</b>			286,000	May 8	541,000	Jul 27, 1993
<b>Maximum peak stage</b>			35.47	May 8	48.87	Jul 27, 1993
<b>Instantaneous low flow</b>			18,700	Jan 19	4,240	Dec 18, 1963
<b>Annual runoff (inches)</b>	0.93		1.40		1.54	
<b>10 percent exceeds</b>	46,500		89,600		91,400	
<b>50 percent exceeds</b>	34,300		40,400		46,800	
<b>90 percent exceeds</b>	21,800		21,600		24,000	

<sup>a</sup> Period of Regulated Streamflow

<sup>b</sup> Also Nov 12

