06906500 MISSOURI RIVER AT GLASGOW, MO

Missouri River Main Stem

LOCATION.--Lat 39°13′20″, long 92°50′55″ referenced to North American Datum of 1927, in NE ¼ NE ¼ NE ¼ sec.3, T.51 N., R.17 W., Howard County, MO, Hydrologic Unit 10300102, at bridge on State Highway 240 in Glasgow, 75 ft downstream from Chicago and Alton Railway bridge, 1 mi downstream from Little Chariton River, and at mile 226.8.

DRAINAGE AREA.--498,900 mi^2, the 3,959 mi^2 in Great Divide basin are not included.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2000 to current year. Gage-height records collected at site 1878-99 in reports of the Missouri River Commission. Gage-height records collected from January 1929 to August 1950 in files of the Corps of Engineers, Kansas City District. August 1950 to September 2000 gage-height records collected in files of the U.S.G.S.

GAGE.--Water-stage recorder. Datum of gage 586.49 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some regulation from many upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 29, 1993 reached a stage of 39.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 283,000 ft^3/s, June 19, gage height, 33.81 ft; minimum discharge, 35,000 ft^3/s, Dec. 18.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	49,000	114,000	56,100	47,800	e65,200	42,700	118,000	104,000	89,800	173,000	153,000	94,900
2	48,700	105,000	53,900	44,700	e62,000	43,300	114,000	102,000	96,800	159,000	143,000	112,000
3	49,300	89,000	52,500	e43,400	59,600	43,200	117,000	110,000	130,000	152,000	132,000	119,000
4	50,100	76,700	51,800	e42,700	57,500	43,600	120,000	104,000	162,000	147,000	126,000	113,000
5	49,200	70,600	51,200	42,500	55,600	45,200	121,000	94,500	152,000	147,000	122,000	107,000
6	49,100	66,700	49,300	42,000	53,300	48,600	121,000	89,800	146,000	171,000	125,000	96,200
7	49,400	63,800	47,900	e41,200	52,300	56,200	125,000	86,800	145,000	207,000	134,000	90,300
8	51,000	61,600	47,400	e41,600	51,800	75,500	138,000	92,500	165,000	214,000	140,000	87,000
9	57,000	60,100	46,900	e41,200	50,600	103,000	125,000	104,000	188,000	204,000	143,000	85,400
10	59,400	58,900	46,000	e41,000	49,400	123,000	114,000	102,000	191,000	185,000	142,000	84,800
11	54,600	58,100	43,500	e40,800	48,200	158,000	107,000	119,000	189,000	163,000	139,000	93,600
12	51,400	57,200	e39,000	e40,600	46,600	193,000	100,000	153,000	180,000	160,000	137,000	95,200
13	49,800	56,400	e36,800	e40,600	45,600	213,000	96,500	183,000	190,000	162,000	137,000	89,200
14	49,600	54,500	e36,500	e40,500	45,200	227,000	94,300	241,000	211,000	152,000	140,000	91,300
15	49,700	52,600	e36,600	e40,500	45,200	215,000	90,300	259,000	238,000	143,000	146,000	103,000
16	49,600	53,400	e36,500	43,100	44,600	194,000	85,700	247,000	255,000	139,000	142,000	107,000
17	48,700	71,900	e35,100	45,900	43,500	173,000	83,100	233,000	257,000	147,000	138,000	104,000
18	48,200	110,000	e35,000	45,900	e42,100	148,000	81,600	214,000	266,000	152,000	134,000	97,500
19	47,700	123,000	e36,800	47,900	e41,700	134,000	79,700	188,000	279,000	144,000	129,000	102,000
20	46,900	122,000	e39,400	55,100	e41,900	132,000	76,800	169,000	269,000	148,000	124,000	136,000
21	46,700	107,000	e40,400	77,000	45,200	136,000	74,500	183,000	244,000	171,000	142,000	140,000
22	48,300	84,400	e39,500	92,600	52,700	144,000	73,300	191,000	224,000	197,000	151,000	162,000
23	75,200	69,700	e40,300	92,800	54,400	151,000	76,400	181,000	216,000	189,000	130,000	195,000
24	99,200	63,600	46,700	107,000	49,100	154,000	91,600	153,000	213,000	182,000	114,000	200,000
25	97,200	60,400	64,400	138,000	44,500	153,000	139,000	128,000	209,000	179,000	106,000	197,000
26	96,300	61,000	83,900	146,000	42,200	172,000	182,000	120,000	204,000	172,000	101,000	187,000
27	91,700	75,000	77,200	126,000	41,800	185,000	175,000	120,000	201,000	158,000	98,000	178,000
28	81,300	73,800	64,600	107,000	42,200	172,000	160,000	111,000	207,000	151,000	96,100	164,000
29	75,500	64,000	57,500	88,200	---	153,000	141,000	107,000	198,000	144,000	92,700	148,000
30	112,000	58,700	53,000	75,800	---	141,000	116,000	101,000	186,000	144,000	89,900	133,000
31	124,000	---	49,000	69,400	---	127,000	---	93,800	---	155,000	89,000	---
Mean	63,090	74,770	48,220	64,150	49,070	132,200	111,200	144,700	196,700	164,900	127,000	123,700
Max	124,000	123,000	83,900	146,000	65,200	227,000	182,000	259,000	279,000	214,000	153,000	200,000
Min	46,700	52,600	35,000	40,500	41,700	42,700	73,300	86,800	89,800	139,000	89,000	84,800
In.	0.15	0.17	0.11	0.15	0.10	0.31	0.25	0.33	0.44	0.38	0.29	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	47,060	40,770	32,900	33,950	39,650	61,980	68,850	95,890	109,900	70,860	58,760	57,700
Max	68,370	74,770	48,220	64,150	58,990	132,200	111,200	173,800	201,800	164,900	127,000	123,700
(WY)	(2008)	(2010)	(2010)	(2010)	(2001)	(2010)	(2010)	(2007)	(2008)	(2010)	(2010)	(2010)
Min	32,060	21,740	24,460	21,660	23,540	26,810	38,960	51,840	40,810	35,950	32,520	36,670
(WY)	(2007)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2006)	(2006)	(2006)	(2003)	(2002)

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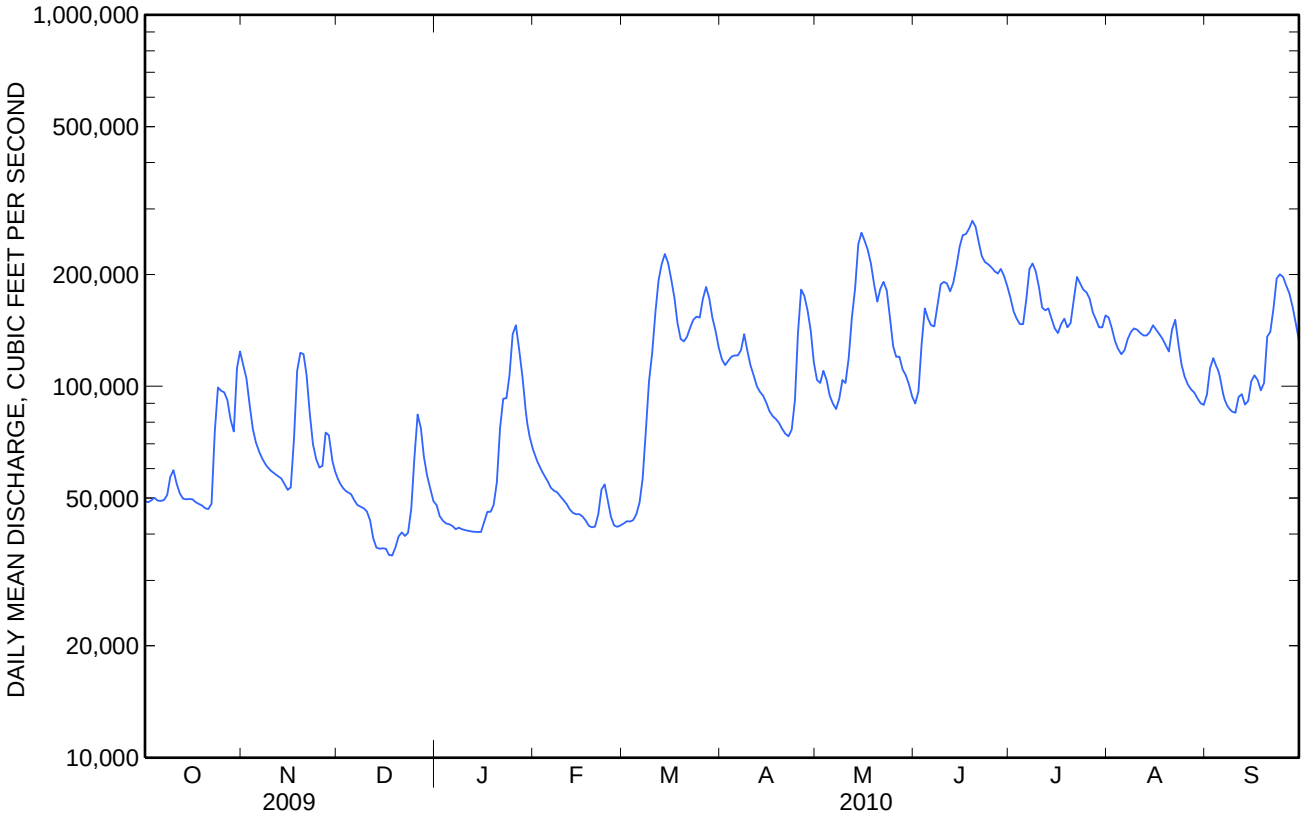
SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 2001 - 2010	
Annual mean	70,480		108,600		59,900	
Highest annual mean					108,600	2010
Lowest annual mean					35,890	2006
Highest daily mean	227,000	Apr 29	279,000	Jun 19	317,000	May 10, 2007
Lowest daily mean	28,600	Mar 7	35,000	Dec 18	18,400	Dec 20, 2000
Annual seven-day minimum	29,700	Jan 28	36,200	Dec 13	19,900	Dec 19, 2000
Maximum peak flow			283,000	Jun 19	322,000	May 10, 2007
Maximum peak stage			33.81	Jun 19	34.30	May 10, 2007
Instantaneous low flow			35,000	Dec 18	18,300	Dec 20, 2000
Annual runoff (inches)	1.92		2.96		1.63	
10 percent exceeds	116,000		189,000		117,000	
50 percent exceeds	59,800		101,000		44,100	
90 percent exceeds	36,600		43,500		25,700