

UPPER MISSISSIPPI RIVER MAIN STEM

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI

LOCATION.--Lat 44°44'45", long 92°48'00", in sec. 9, T.26 N., R.20 W., Pierce County, Hydrologic Unit 07040001, on left bank at Prescott, 200 ft downstream from St. Croix River, 300 ft south of Chicago, Burlington & Quincy Railroad bridge, 800 ft south of bridge on U.S. Highway 10, and at mile 811.4 upstream from Ohio River.

DRAINAGE AREA.--44,800 mi² (approximately).

PERIOD OF RECORD.--June 1928 to current year.

REVISED RECORDS.--WSP 1508: 1941. WRD MN-74: 1973.

GAGE.--Water-stage recorder. Datum of gage is 649.50 ft above sea level (NGVD of 1929). Prior to Aug. 2, 1932, nonrecording gage at railroad bridge 300 ft upstream at following datums: June 3, 1928 to Sept. 30, 1929, 19.27 ft higher; Oct. 1, 1929 to Sept. 30, 1930, 17.68 ft higher; Oct. 1, 1930 to Aug. 1, 1932, 19.28 ft higher. Aug. 2, 1932 to Oct. 30, 1938, water-stage recorder at present site at datum 19.28 ft higher; Nov. 1, 1938 to Sept. 7, 1971, water-stage recorder at present site at datum 50.00 ft lower. Auxiliary water-stage recorder 10.7 mi downstream from base gage is used in discharge computations.

REMARKS.--Records good except for those determined by flow routing, which are estimated and rated fair to poor. Discharges below a stage of about 27 ft may be computed by routing flows from the Mississippi River at St. Paul (05331000) and St. Croix River at St. Croix Falls, WI (05340500). In the 2004 water year, discharges for the periods Oct. 1 to Mar. 24, May 5-16, and July 24 to Sep. 13 were obtained by routing. Some regulation by reservoirs, navigation dams, and power plants at low and medium stages.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6,810	e7,750	e7,850	e7,820	e5,590	e6,790	30,700	20,900	41,700	19,800	e12,300	e8,630
2	e6,920	e8,050	e7,970	e7,160	e5,650	e7,160	31,400	19,200	46,600	16,700	e12,300	e8,720
3	e6,390	e8,560	e8,230	e7,250	e5,910	e7,430	31,200	17,800	51,300	16,500	e11,900	e8,760
4	e6,600	e8,430	e7,930	e7,180	e5,950	e7,950	30,700	17,400	55,100	16,300	e11,600	e8,370
5	e6,500	e8,000	e8,130	e7,160	e5,540	e7,960	29,600	e16,600	57,400	15,500	e12,000	e7,530
6	e6,550	e8,540	e8,520	e6,900	e5,940	e8,460	28,500	e14,900	58,300	16,200	e11,400	e7,720
7	e6,240	e8,320	e8,340	e6,140	e6,160	e8,590	27,600	e14,500	57,600	18,700	e11,000	e9,290
8	e6,190	e8,310	e8,600	e5,710	e6,240	e8,670	26,300	e14,100	57,400	19,000	e11,200	e10,300
9	e6,230	e7,050	e8,380	e5,730	e6,120	e8,770	24,100	e14,000	57,400	18,900	e12,600	e12,100
10	e6,210	e6,300	e8,410	e6,220	e6,200	e8,380	23,000	e12,700	56,700	20,000	e12,800	e12,300
11	e6,190	e7,490	e7,870	e6,360	e6,270	e9,000	22,400	e12,800	55,300	22,300	e13,100	e11,500
12	e6,610	e8,380	e6,970	e6,720	e6,300	e8,870	21,200	e12,100	55,300	24,000	e13,100	e12,000
13	e6,410	e7,470	e4,830	e6,950	e6,250	e8,980	19,500	e12,500	55,400	25,200	e13,000	e12,100
14	e6,900	e7,710	e4,900	e6,970	e6,350	e9,000	18,800	e11,800	55,900	26,400	e12,400	14,700
15	e6,980	e8,530	e5,590	e6,680	e6,350	e10,700	18,500	e12,100	55,900	27,500	e11,900	17,700
16	e6,950	e8,260	e6,830	e6,430	e6,230	e11,700	18,600	e11,600	56,200	28,100	e11,400	17,100
17	e6,530	e8,310	e8,050	e6,650	e5,880	e11,400	17,600	14,500	55,800	27,800	e11,100	16,000
18	e6,360	e7,850	e8,010	e6,510	e6,280	e12,000	16,200	16,400	54,800	26,400	e10,500	20,900
19	e5,970	e8,690	e7,300	e6,560	e6,100	e12,100	19,100	17,600	53,000	24,400	e9,780	24,400
20	e6,900	e8,700	e7,660	e5,950	e6,310	e11,300	18,800	19,300	51,100	22,000	e9,630	26,400
21	e7,260	e8,930	e7,300	e5,450	e6,610	e13,000	20,400	20,200	49,300	19,100	e9,640	28,100
22	e7,090	e8,880	e7,460	e5,610	e6,430	e13,600	23,000	21,400	46,400	18,000	e9,500	29,100
23	e7,250	e8,800	e7,860	e5,710	e6,190	e13,800	23,800	22,500	43,100	17,200	e9,180	30,200
24	e6,900	e8,730	e7,780	e5,850	e6,360	e14,200	25,600	24,200	40,000	e16,200	e8,560	31,700
25	e6,700	e7,260	e7,740	e5,920	e6,490	15,300	26,900	26,700	36,900	e15,200	e8,380	32,600
26	e6,840	e6,840	e7,440	e5,770	e6,440	17,600	27,200	28,800	33,500	e14,400	e8,430	32,700
27	e6,480	e6,600	e7,430	e6,200	e6,340	19,600	25,700	30,000	30,600	e14,600	e8,630	32,700
28	e6,850	e6,660	e7,720	e6,170	e6,430	20,900	24,800	32,100	28,100	e13,600	e9,190	32,300
29	e7,500	e7,330	e8,370	e6,440	e6,580	24,700	24,000	34,300	24,300	e13,100	e9,570	31,200
30	e7,150	e7,190	e8,200	e6,160	---	28,200	22,400	36,300	22,200	e12,400	e9,360	29,800
31	e7,440	---	e8,180	e5,570	---	29,500	---	38,800	---	e12,300	e8,870	---
TOTAL	207,900	237,920	235,850	197,900	179,490	395,610	717,600	618,100	1,442,600	597,800	334,320	576,920
MEAN	6,706	7,931	7,608	6,384	6,189	12,760	23,920	19,940	48,090	19,280	10,780	19,230
MAX	7,500	8,930	8,600	7,820	6,610	29,500	31,400	38,800	58,300	28,100	13,100	32,700
MIN	5,970	6,300	4,830	5,450	5,540	6,790	16,200	11,600	22,200	12,300	8,380	7,530
AC-FT	412,400	471,900	467,800	392,500	356,000	784,700	1,423,000	1,226,000	2,861,000	1,186,000	663,100	1,144,000
CFSM	0.15	0.18	0.17	0.14	0.14	0.28	0.53	0.45	1.07	0.43	0.24	0.43
IN.	0.17	0.20	0.20	0.16	0.15	0.33	0.60	0.51	1.20	0.50	0.28	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	13,510	13,390	10,110	8,365	8,241	17,150	41,800	32,800	26,620	21,060	13,590	12,930
MAX	49,740	40,360	21,460	16,060	21,390	55,010	122,400	90,100	69,890	87,420	48,350	45,950
(WY)	(1987)	(1972)	(1983)	(1983)	(1966)	(1983)	(2001)	(1986)	(1993)	(1993)	(1993)	(1986)
MIN	3,526	3,874	3,379	3,153	3,519	4,369	7,215	6,304	4,185	3,197	2,366	3,002
(WY)	(1933)	(1977)	(1934)	(1935)	(1934)	(1934)	(1931)	(1931)	(1934)	(1934)	(1934)	(1976)

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL TOTAL	6,227,900		5,742,010			
ANNUAL MEAN	17,060		15,690		a18,340	
HIGHEST ANNUAL MEAN					38,540 1986	
LOWEST ANNUAL MEAN					4,367 1934	
HIGHEST DAILY MEAN	58,900	May 15	58,300	Jun 6	226,000	Apr 18, 1965
LOWEST DAILY MEAN	4,830	Dec 13	4,830	Dec 13	1,380	Jul 13, 1940
ANNUAL SEVEN-DAY MINIMUM	5,760	Sep 6	5,740	Jan 31	2,190	Aug 11, 1936
MAXIMUM PEAK FLOW			58,500	Jun 6	228,000	Apr 18, 1965
MAXIMUM PEAK STAGE			31.97	Jun 6	43.11	Apr 18, 1965
ANNUAL RUNOFF (AC-FT)	12,350,000		11,390,000		13,290,000	
ANNUAL RUNOFF (CFSM)	0.381		0.350		0.409	
ANNUAL RUNOFF (INCHES)	5.17		4.77		5.56	
10 PERCENT EXCEEDS	41,500		31,300		39,400	
50 PERCENT EXCEEDS	8,560		9,600		12,000	
90 PERCENT EXCEEDS	6,760		6,240		5,240	

a Median of annual mean discharges is 19,000 ft³/s.
 e Estimated.

