

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 fair except for those determined by flow routing, which are estimated and rated 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 2005 water year, discharges for the periods Oct. 1 to Mar. 31 and July 6 to Sep. 30 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e27,800	e23,800	e17,600	e10,600	e8,780	e10,900	36,700	33,300	39,300	35,500	e13,600	e9,060
2	e26,300	e25,700	e16,300	e11,100	e8,700	e10,700	42,900	31,600	39,100	34,400	e12,800	e8,880
3	e25,600	e27,800	e15,200	e11,100	e9,010	e10,400	47,900	30,400	38,100	34,200	e12,200	e9,100
4	e24,900	e28,700	e13,700	e10,600	e9,120	e10,200	52,900	28,800	36,900	34,500	e12,100	e9,120
5	e23,900	e29,000	e13,800	e10,300	e8,980	e10,200	55,200	27,700	36,300	33,900	e11,700	e10,100
6	e23,900	e28,300	e14,900	e10,000	e9,540	e9,990	54,100	26,600	35,800	e32,500	e11,200	e11,200
7	e23,400	e28,100	e15,200	e9,730	e9,750	e10,500	53,000	25,200	35,100	e30,600	e10,400	e10,100
8	e22,100	e26,800	e14,400	e9,250	e10,100	e11,000	52,500	24,100	35,900	e29,800	e9,830	e10,600
9	e21,800	e25,600	e14,900	e9,470	e9,910	e11,600	51,300	24,500	37,600	e29,100	e9,150	e10,800
10	e21,100	e24,700	e14,800	e9,790	e10,300	e12,200	50,400	24,800	39,100	e27,600	e9,570	e10,400
11	e20,000	e23,800	e14,700	e9,450	e10,300	e12,900	48,400	24,900	41,100	e25,800	e9,210	e10,600
12	e19,900	e22,800	e15,700	e9,360	e10,100	e13,000	46,900	25,100	43,500	e24,600	e9,340	e9,890
13	e19,600	e21,900	e15,300	e9,260	e10,100	e13,400	46,800	27,600	45,500	e23,300	e8,970	e9,590
14	e18,600	e21,300	e14,700	e9,420	e9,830	e13,000	48,800	29,200	48,200	e21,800	e8,810	e12,900
15	e17,900	e20,600	e10,900	e8,880	e10,700	e12,400	50,700	30,400	50,400	e21,000	e8,740	e16,300
16	e17,300	e19,800	e9,120	e7,900	e10,800	e12,400	51,700	32,100	53,000	e20,100	e8,240	e16,600
17	e17,100	e19,500	e10,400	e8,040	e11,500	e12,300	53,000	33,600	55,500	e18,400	e7,960	e17,200
18	e17,100	e19,100	e11,400	e7,970	e12,200	e12,100	52,700	34,800	56,400	e18,400	e8,020	e17,500
19	e16,200	e18,700	e12,300	e7,940	e12,500	e11,600	53,100	36,300	56,100	e17,200	e8,240	e17,200
20	e16,100	e19,300	e11,000	e8,280	e12,800	e11,500	53,100	37,300	55,000	e16,200	e8,360	e17,100
21	e15,700	e18,400	e9,950	e8,200	e13,000	e11,400	52,600	38,900	53,700	e15,900	e9,300	e17,200
22	e16,300	e18,900	e8,730	e8,280	e13,200	e11,400	52,000	40,200	51,500	e15,800	e9,160	e17,100
23	e15,900	e18,900	e8,180	e8,440	e12,600	e11,500	50,400	40,700	49,700	e15,200	e9,400	e17,200
24	e16,100	e18,900	e8,510	e8,660	e12,100	e11,800	48,600	41,100	48,500	e14,400	e9,310	e17,800
25	e16,200	e18,800	e8,440	e8,470	e11,700	e12,500	46,400	40,600	46,500	e14,700	e8,870	e16,300
26	e16,700	e18,600	e8,590	e8,490	e11,400	e13,400	44,500	40,200	44,000	e15,000	e8,340	e15,900
27	e16,700	e18,800	e8,820	e9,220	e11,100	e14,400	42,100	39,900	41,700	e14,700	e8,120	e16,500
28	e17,100	e18,200	e9,250	e8,870	e10,800	e15,800	39,400	40,100	40,600	e14,200	e9,640	e20,400
29	e18,100	e17,800	e9,900	e8,630	---	e18,900	36,700	40,300	38,600	e13,600	e10,500	e23,800
30	e20,200	e17,700	e10,100	e8,480	---	e22,400	34,400	40,300	36,600	e12,400	e9,640	e26,600
31	e22,800	---	e10,200	e8,600	---	e28,500	---	39,900	---	e13,200	e9,010	---
TOTAL	612,400	660,300	376,990	282,780	300,920	404,290	1,449,200	1,030,500	1,329,300	688,000	299,730	433,040
MEAN	19,750	22,010	12,160	9,122	10,750	13,040	48,310	33,240	44,310	22,190	9,669	14,430
MAX	27,800	29,000	17,600	11,100	13,200	28,500	55,200	41,100	56,400	35,500	13,600	26,600
MIN	15,700	17,700	8,180	7,900	8,700	9,990	34,400	24,100	35,100	12,400	7,960	8,880
AC-FT	1,215,000	1,310,000	747,800	560,900	596,900	801,900	2,874,000	2,044,000	2,637,000	1,365,000	594,500	858,900
CFSM	0.44	0.49	0.27	0.20	0.24	0.29	1.08	0.74	0.99	0.50	0.22	0.32
IN.	0.51	0.55	0.31	0.23	0.25	0.34	1.20	0.86	1.10	0.57	0.25	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

MEAN	13,590	13,500	10,140	8,375	8,273	17,090	41,890	32,800	26,840	21,080	13,540	12,950
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)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1928 - 2005	
ANNUAL TOTAL	6,710,030		7,867,450			
ANNUAL MEAN	18,330		21,550		a18,380	
HIGHEST ANNUAL MEAN					38,540 1986	
LOWEST ANNUAL MEAN					4,367 1934	
HIGHEST DAILY MEAN	58,300	Jun 6	56,400	Jun 18	226,000	Apr 18, 1965
LOWEST DAILY MEAN	5,450	Jan 21	7,900	Jan 16	1,380	Jul 13, 1940
ANNUAL SEVEN-DAY MINIMUM	5,740	Jan 31	8,090	Jan 16	2,190	Aug 11, 1936
MAXIMUM PEAK FLOW			56,600		228,000	
MAXIMUM PEAK STAGE			31.75		43.11	
ANNUAL RUNOFF (AC-FT)	13,310,000		15,610,000		13,320,000	
ANNUAL RUNOFF (CFSM)	0.409		0.481		0.410	
ANNUAL RUNOFF (INCHES)	5.57		6.53		5.57	
10 PERCENT EXCEEDS	31,300		44,900		39,500	
50 PERCENT EXCEEDS	16,100		16,300		12,100	
90 PERCENT EXCEEDS	6,350		8,980		5,280	

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

