

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.

REMARKS.--Records fair except those for estimated daily discharge, which are fair to poor. Some regulation by reservoirs, navigation dams, and power plants at low and medium stages. Discharges below a stage of about 27 ft are computed by routing flows from the Mississippi River at St. Paul (05331000) and St. Croix River at St. Croix Falls, WI (05340500).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15900	14300	12600	e9440	e7870	e21800	18800	15300	17800	18600	13300	7820
2	15700	15800	12300	e9500	e7680	27100	17500	e14300	18200	18000	13000	7510
3	16100	15400	12300	e9600	e7590	28200	17000	13200	18900	17500	11700	7350
4	15700	15500	11600	e9750	e7470	29500	16800	12900	e23000	16800	11600	7020
5	16100	15000	12100	e9510	e7540	29400	16900	12000	26800	16000	11300	6880
6	15100	15100	12600	e9600	e7800	28300	16700	12600	27700	16000	10000	6590
7	e15200	14500	12200	e9160	e7750	26800	16700	e12300	28200	e16000	10200	7150
8	e15000	14500	11700	e9210	e7760	26200	15800	e11900	28500	e15500	9390	7160
9	14800	14000	11900	e8790	e7660	25400	16000	e12200	28100	16000	9250	6990
10	14500	13600	11900	e9460	e7570	25300	15900	13000	28100	18200	8980	6760
11	15000	13600	11600	e8730	e7810	24700	16000	15000	26800	27000	9180	7170
12	15000	13400	10900	e9040	e7560	25800	15800	17000	23600	28800	8710	7350
13	15200	13600	11000	e8620	e7370	26500	15200	18900	20800	30400	8400	7920
14	15000	13200	11200	e8310	e7550	26000	14600	20400	19800	30900	8140	7260
15	15100	12800	10500	e8250	e7870	24300	14200	20600	18200	31600	8160	6040
16	14600	13000	11000	e8470	e7470	21700	14300	21400	17200	31800	8410	6590
17	14600	12600	10100	e8580	e7600	21800	14700	21000	17700	31400	9920	6350
18	14400	12200	8450	e8340	e7670	20500	14400	21300	18300	30600	11700	6490
19	14200	12300	e8240	e8180	e7780	18800	13900	21200	19400	29000	11500	6410
20	13800	12300	e7650	e8010	e7730	17400	13900	20700	22200	26200	12000	6160
21	14100	12800	e7020	e7950	e7920	16600	13800	e22000	23800	23600	11400	6090
22	14500	12100	e6390	e7910	e8040	16300	14800	26700	24100	21900	10500	e6000
23	13800	12400	e5980	e7730	e8050	16400	15800	28000	25100	19200	10600	e5830
24	13500	12600	e6130	e7820	e8260	16000	16500	27500	24700	16700	10500	e6050
25	13600	13000	e6400	e7660	e8830	15900	16700	26600	23600	15900	10300	e5670
26	13800	13100	e6960	e7710	e9690	16400	16500	25600	23400	14700	9990	6240
27	13900	12400	e7430	e7640	e12000	18400	16600	23500	22700	14100	9720	5890
28	14100	13000	e7920	e7610	e14800	19000	16900	21800	21300	14500	8830	5730
29	13300	12900	e8670	e7740	e16800	19800	16200	19900	20600	14900	9240	5830
30	13600	13000	e9330	e7920	---	19600	15900	18600	19700	14100	8390	6040
31	13600	---	e9580	e7410	---	20300	---	17900	---	14200	7540	---
TOTAL	452800	404000	303650	263650	247490	690200	474800	585300	678300	650100	311850	198340
MEAN	14610	13470	9795	8505	8534	22260	15830	18880	22610	20970	10060	6611
MAX	16100	15800	12600	9750	16800	29500	18800	28000	28500	31800	13300	7920
MIN	13300	12100	5980	7410	7370	15900	13800	11900	17200	14100	7540	5670
AC-FT	898100	801300	602300	522900	490900	1369000	941800	1161000	1345000	1289000	618600	393400
CFSM	.33	.30	.22	.19	.19	.50	.35	.42	.50	.47	.22	.15
IN.	.38	.34	.25	.22	.21	.57	.39	.49	.56	.54	.26	.16

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13550	13380	10070	8337	8259	17470	41160	32060	25810	20630	13480	12830
MAX	49740	40360	21460	16060	21390	55010	117600	90100	69890	87420	48350	45950
(WY)	1987	1972	1983	1983	1966	1983	1965	1986	1993	1993	1993	1986
MIN	3526	3874	3379	3153	3519	4369	7215	6304	4185	3197	2366	3002
(WY)	1933	1977	1934	1935	1934	1934	1931	1931	1934	1934	1934	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1928 - 2000
ANNUAL TOTAL	8262590	5260480	
ANNUAL MEAN	22640	14370	18130 ^a
HIGHEST ANNUAL MEAN			38540
LOWEST ANNUAL MEAN			4367
HIGHEST DAILY MEAN	72100	May 21	31800
LOWEST DAILY MEAN	5980	Dec 23	5670
ANNUAL SEVEN-DAY MINIMUM	6620	Dec 21	5890
INSTANTANEOUS PEAK FLOW			32000
INSTANTANEOUS PEAK STAGE			27.89
ANNUAL RUNOFF (AC-FT)	16390000	10430000	13130000
ANNUAL RUNOFF (CFSM)	.51	.32	.40
ANNUAL RUNOFF (INCHES)	6.86	4.37	5.50
10 PERCENT EXCEEDS	41300	24700	39100
50 PERCENT EXCEEDS	18300	13600	12000
90 PERCENT EXCEEDS	10700	7460	5150

^a Median of annual mean discharges is 18,000 ft³/s.
^e Estimated.

