

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. 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.

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 26.7 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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6940	19100	18600	e11700	e10800	e12800	25700	35200	44500	28100	29300	19800
2	6560	19100	19000	e11500	e10900	e13000	26100	33500	40700	27500	26700	19200
3	6700	19300	19200	e11500	e10900	e12800	26600	31200	38500	27300	24800	18800
4	6910	19300	19200	e11600	e10900	e13000	27200	29100	37400	28100	24500	18700
5	6530	18400	19500	e11400	e10900	e12900	27600	27700	36600	28900	24000	18700
6	6570	18100	19700	e11200	e10600	e13500	28700	27000	36300	30100	23400	18300
7	6950	17800	19500	e11100	e11300	e13600	30900	26300	35600	30500	23400	17800
8	7500	17600	19100	e10900	e11100	e13900	34300	26300	34200	29600	23200	18400
9	7380	17000	19200	e11000	e11200	e14000	38100	26200	33900	29700	22200	19000
10	7600	16600	19600	e10800	e11300	e13700	41000	27900	35400	29100	21400	19100
11	7140	16400	19600	e10400	e11100	13500	46500	31500	36200	28000	20600	19200
12	7780	17900	18800	e10100	e11400	13600	48300	35200	36800	27000	20300	20300
13	7660	18800	18400	e9980	e11200	e13700	49400	39000	37000	25900	20600	20800
14	8060	20400	18400	e10000	e11000	e14000	50300	44500	37200	25000	20000	19700
15	8130	20200	18500	e10100	e12400	e13600	51900	50900	37200	24000	20500	19300
16	7830	20300	18400	e9860	e12600	e13900	52100	56900	37400	23400	22000	19000
17	8490	19500	18300	e9910	e12000	13400	52400	63100	37200	22500	22900	18700
18	9640	19500	18200	e9990	e12600	e14200	53600	66500	37000	21800	22900	19000
19	16600	20000	18000	e10000	e13600	e15500	54300	68200	37000	21800	e23000	19100
20	19100	19800	16300	e10100	e14300	e18900	54600	70300	36800	21900	23100	18100
21	20000	19500	14200	e10100	e14600	20300	53700	72100	36100	22400	22500	17000
22	20100	19800	11700	e10100	e14000	21100	52300	70800	35400	22800	23400	16900
23	20600	19800	e9850	e10300	e13900	21900	50400	69400	34800	23800	25100	16800
24	20100	19500	e9140	e10100	e13700	22500	48500	67500	34200	25200	23600	16300
25	19800	19600	e10400	e10500	e13600	22300	46700	65300	32700	25500	22900	15800
26	19700	19800	e10900	e10500	e13300	21700	44400	62700	32000	29500	22900	15400
27	20000	20200	e11600	e10600	e13000	21000	41800	60500	31400	30700	23500	14600
28	19500	20400	e11700	e10600	e12800	21000	39700	58000	29700	29700	23100	14800
29	18500	20000	e12000	e10700	---	21400	37800	54800	28700	30100	21900	15200
30	19100	19500	e12200	e10600	---	22200	36200	51700	28400	30100	21100	16300
31	19500	---	e12100	e10900	---	24000	---	48400	---	31500	20600	---
TOTAL	386970	573200	501290	328140	341000	516900	1271100	1497700	1066300	831500	709400	540100
MEAN	12480	19110	16170	10590	12180	16670	42370	48310	35540	26820	22880	18000
MAX	20600	20400	19700	11700	14600	24000	54600	72100	44500	31500	29300	20800
MIN	6530	16400	9140	9860	10600	12800	25700	26200	28400	21800	20000	14600
AC-FT	767600	1137000	994300	650900	676400	1025000	2521000	2971000	2115000	1649000	1407000	1071000
CFSM	.28	.43	.36	.24	.27	.37	.95	1.08	.79	.60	.51	.40
IN.	.32	.48	.42	.27	.28	.43	1.06	1.24	.89	.69	.59	.45

e Estimated

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13540	13380	10070	8335	8255	17410	41520	32250	25860	20630	13530	12910
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 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1928 - 1999
ANNUAL TOTAL	7440120	8563600	
ANNUAL MEAN	20380	23460	18180 ^a
HIGHEST ANNUAL MEAN			38540
LOWEST ANNUAL MEAN			4367
HIGHEST DAILY MEAN	70000	Apr 7	72100
LOWEST DAILY MEAN	6220	Sep 20	6530
ANNUAL SEVEN-DAY MINIMUM	6660	Sep 19	6740
INSTANTANEOUS PEAK FLOW			72500
INSTANTANEOUS PEAK STAGE			33.57
ANNUAL RUNOFF (AC-FT)	14760000	16990000	13170000
ANNUAL RUNOFF (CFSM)		.45	.52
ANNUAL RUNOFF (INCHES)	6.18	7.11	5.51
10 PERCENT EXCEEDS	39700	41300	39400
50 PERCENT EXCEEDS	19100	19800	11900
90 PERCENT EXCEEDS	8020	10500	5120

a Median of annual mean discharges is 18,500 ft³/s.

