

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.

REMARKS.--Records good to fair except those for estimated daily discharge, which are 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6070	8620	15100	e8820	e8630	e8030	13800	172000	63400	49800	e16500	9580
2	5890	10100	15400	e8940	e8570	e8080	14500	163000	62300	44800	e16200	9450
3	5890	11500	14600	e8780	e8380	e8100	16100	152000	59700	41000	e16100	9160
4	6170	12300	12600	e8960	e8410	e8650	20200	141000	57500	38100	15600	8970
5	5770	12500	11500	e9180	e8510	e8110	25600	130000	55600	33800	15200	8880
6	5630	13000	12800	e9090	e8710	e8420	e35300	120000	52800	32100	14500	8560
7	6140	14400	10600	e9300	e8700	e8400	35700	112000	49700	29200	14700	8770
8	6090	16000	e10100	e9370	e8830	e8560	48700	104000	46800	27000	13300	8810
9	6140	17900	e8870	e9380	e8770	e8580	67400	98300	44400	26300	13200	9130
10	6320	20400	e9130	e9220	e8710	e8610	90600	93600	42700	24800	12600	9180
11	6100	21900	e9830	e9060	e8760	e8160	116000	89700	41700	23900	12300	9710
12	6130	21600	e9380	e9100	e8820	e8460	135000	86300	42400	22000	11500	9380
13	6070	21100	e8650	e9420	e8750	e8590	146000	83400	42900	19900	11300	9150
14	6270	21500	e9130	e9440	e8330	e8540	159000	80200	45500	18900	11000	8540
15	6310	22300	e9050	e9650	e8640	e8430	171000	77200	47400	18100	10500	8460
16	6380	22600	e9350	e9600	e8470	e8830	177000	74000	51700	17000	10400	8330
17	6600	22500	e9480	e9680	e8670	e9090	177000	70800	57700	16900	10600	8020
18	6630	22000	e9530	e9170	e8360	e9510	176000	66700	62900	16500	10600	8120
19	6660	21300	e9660	e9220	e8450	e9130	173000	63500	67600	17200	10700	8200
20	6500	20400	e9530	e9150	e8650	e9500	168000	60400	72100	17100	11400	7940
21	7060	19100	e9470	e8880	e8270	e9690	161000	58300	76500	15900	11200	8490
22	7190	17200	e9660	e8730	e8570	e9990	155000	56700	80500	15900	10600	8000
23	7470	15500	e9410	e9030	e8320	e10500	153000	56400	82000	16000	10500	8650
24	7520	14600	e9530	e8710	e8380	e10600	156000	56700	81400	16600	10200	8950
25	7900	13900	e9380	e8720	e8640	e10900	168000	57400	78600	17300	10200	8500
26	8070	13900	e9160	e8870	e8550	e10600	180000	59800	75300	17600	9590	8590
27	8620	14600	e9080	e8910	e8360	e11100	186000	62300	70500	18300	9720	8050
28	8710	15100	e8960	e9000	e8260	e11000	186000	64000	65100	19200	9630	7990
29	8950	15300	e8980	e8340	---	e11200	183000	65000	60200	17900	9010	8570
30	8900	15200	e8840	e8830	---	e11600	178000	64800	55300	18200	8320	8530
31	8910	---	e8720	e8630	---	e12400	---	64300	---	17700	9480	---
TOTAL	213060	508320	315480	281180	239470	291360	3671900	2703800	1792200	725000	366650	260660
MEAN	6873	16940	10180	9070	8552	9399	122400	87220	59740	23390	11830	8689
MAX	8950	22600	15400	9680	8830	12400	186000	172000	82000	49800	16500	9710
MIN	5630	8620	8650	8340	8260	8030	13800	56400	41700	15900	8320	7940
AC-FT	422600	1008000	625800	557700	475000	577900	7283000	5363000	3555000	1438000	727300	517000
CFSM	.15	.38	.23	.20	.19	.21	2.73	1.95	1.33	.52	.26	.19
IN.	.18	.42	.26	.23	.20	.24	3.05	2.25	1.49	.60	.30	.22

05344500 MISSISSIPPI RIVER AT PRESCOTT, WI--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	13460	13430	10070	8347	8263	17360	42270	32820	26270	20670	13460	12770
MAX	49740	40360	21460	16060	21390	55010	122400	90100	69890	87420	48350	45950
(WY)	1987	1972	1983	1983	1966	1983	2001	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 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1928 - 2001

ANNUAL TOTAL		5136890		11369080						18310a		
ANNUAL MEAN		14040		31150						38540		1986
HIGHEST ANNUAL MEAN										4367		1934
LOWEST ANNUAL MEAN										226000		Apr 18 1965
HIGHEST DAILY MEAN				31800	Jul 16		186000	Apr 27		1380		Jul 13 1940
LOWEST DAILY MEAN				5630	Oct 6		5630	Oct 6		2190		Aug 11 1936
ANNUAL SEVEN-DAY MINIMUM				5890	Sep 23		5940	Oct 1		228000		Apr 18 1965
MAXIMUM PEAK FLOW							187000	Apr 27		43.11		Apr 18 1965
MAXIMUM PEAK STAGE							40.87	Apr 27				
ANNUAL RUNOFF (AC-FT)			10190000				22550000			13260000		
ANNUAL RUNOFF (CFSM)				.31			.70			.41		
ANNUAL RUNOFF (INCHES)			4.27				9.44			5.55		
10 PERCENT EXCEEDS			24700				80900			39400		
50 PERCENT EXCEEDS			12600				10600			12000		
90 PERCENT EXCEEDS			6650				8140			5180		

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

