

UPPER MISSISSIPPI RIVER MAIN STEM--Continued

05261000 MISSISSIPPI RIVER NEAR FORT RIPLEY, MN

LOCATION.--Lat 46°10'50", long 94°21'56", in SE¹/₄NW¹/₄ sec. 27, T. 43 N., R. 32 W., Crow Wing County, Hydrologic Unit 07010104, on left bank 600 ft upstream from Nokasippi River, 1.0 mile north of Fort Ripley, and at mile 982.1 upstream from Ohio River.

DRAINAGE AREA.--11,010 mi² (approximately).

PERIOD OF RECORD.--June 1987 to current year. Operated as high-flow partial-record station October 1971 to June 1987. Prior to Oct. 1971 stage records collected by U.S. Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 1,133.84 ft above sea level (NGVD of 1929). Aug. 1904 to June 1987, nonrecording gages at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow partly regulated by power plants and Winnibigoshish, Leech, Pokegama, Sandy, and Gull Lakes, and by Pine River Reservoir.

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	8780	6620	5560	e4800	e3850	e6800	6290	4860	5060	6110	3630	2940
2	8600	6750	5770	e4800	e3750	e7000	6100	4910	4900	5870	3410	2760
3	8500	6760	5820	e4800	e3850	e7200	6060	4860	4900	5740	3250	2920
4	8320	6710	5830	e4800	e3850	7290	6010	4890	4780	5470	3230	2860
5	8270	6520	5830	e4750	e3750	7450	5750	4800	4580	5520	3150	3030
6	8010	6440	5530	e4750	e3700	7480	5850	4680	4650	5200	3140	2920
7	7810	6330	5360	e4700	e3700	7740	6240	4670	4710	5430	3090	3120
8	8020	6320	5290	e4700	e3700	7990	6510	5670	4290	5940	2890	3070
9	7890	6350	5270	e4700	e3700	8450	6500	6840	4130	6600	2800	3160
10	7920	6330	5510	e4650	e3700	8750	6210	7940	3670	6660	2680	3180
11	8030	6280	5320	e4550	e3700	8990	6180	8850	3500	6440	2580	3260
12	7950	6190	5090	e4500	e3700	8460	6240	9310	3160	6490	2550	3070
13	7910	6180	4920	e4550	e3650	7570	6140	9840	2840	6370	2570	3140
14	7820	6040	4850	e4650	e3650	7210	6130	9910	3570	6540	2280	3240
15	7690	5840	5350	e4650	e3650	7140	5860	9960	3720	6420	2240	3190
16	7650	5890	e4900	e4600	e3650	6740	5690	10100	4340	6170	2380	2980
17	7610	5950	e3700	e4550	e3600	6080	5310	9610	4560	6020	2910	2920
18	7590	5950	e3200	e4450	e3550	5870	5180	9100	5070	5760	3550	3050
19	7590	5870	e3100	e4300	e3500	6100	5220	8760	5520	5550	3840	3130
20	7460	5840	e3050	e4300	e3500	5940	5310	8210	6380	5260	3930	2910
21	7300	5890	e3150	e4250	e3550	5900	5250	7910	6450	4990	4000	2770
22	7500	5990	e3250	e4200	e3700	5680	5350	7320	6660	4520	3980	2950
23	7290	5900	e3500	e4150	e3750	5670	5390	6820	6870	4310	3840	2860
24	7350	5870	e3750	e4100	e3800	5870	5390	6660	6860	4080	3540	2870
25	7230	5880	e4100	e4100	e4200	6320	5450	6300	6850	3930	3470	2940
26	7040	5890	e4300	e4050	e5000	6710	5300	5940	7180	4180	3390	3070
27	7070	5880	e4400	e4000	e6200	6670	5300	5770	7270	4050	2940	3060
28	7010	5770	e4500	e3950	e6500	6900	4950	5410	7150	3890	2930	2940
29	6920	5620	e4600	e3950	e6700	6650	4900	5330	6710	3790	2670	2930
30	6930	5470	e4750	e3950	---	6600	4840	5280	6310	3740	2680	3020
31	6890	---	e4800	e3900	---	6450	---	5120	---	3710	2930	---
TOTAL	237950	183320	144350	137150	117100	215670	170900	215630	156640	164750	96470	90260
MEAN	7676	6111	4656	4424	4038	6957	5697	6956	5221	5315	3112	3009
MAX	8780	6760	5830	4800	6700	8990	6510	10100	7270	6660	4000	3260
MIN	6890	5470	3050	3900	3500	5670	4840	4670	2840	3710	2240	2760
AC-FT	472000	363600	286300	272000	232300	427800	339000	427700	310700	326800	191300	179000
CFSM	.70	.56	.42	.40	.37	.63	.52	.63	.47	.48	.28	.27

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4765	4801	3999	3361	3229	4780	9544	8622	5705	6079	3862	3706
MAX	11380	7590	7156	5116	5154	7156	21220	14890	9972	13710	8818	9204
(WY)	1996	1996	1997	1997	1997	1995	1997	1999	1993	1993	1999	1999
MIN	2563	2624	1827	1518	1508	2559	5510	3025	1196	729	1517	1769
(WY)	1993	1993	1991	1991	1991	1993	1990	1988	1988	1988	1989	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1987 - 2000
ANNUAL TOTAL	2798880	1930190	
ANNUAL MEAN	7668	5274	5243
HIGHEST ANNUAL MEAN			7549
LOWEST ANNUAL MEAN			2813
HIGHEST DAILY MEAN	24200	May 17	31400
LOWEST DAILY MEAN	3050	Dec 20	558
ANNUAL SEVEN-DAY MINIMUM	3280	Dec 17	626
INSTANTANEOUS PEAK FLOW			10600 ^a
INSTANTANEOUS PEAK STAGE			8.75 ^b
INSTANTANEOUS LOW FLOW			2220
ANNUAL RUNOFF (AC-FT)	5552000	3829000	3799000
ANNUAL RUNOFF (CFSM)	.70		.48
10 PERCENT EXCEEDS	11800	7590	9400
50 PERCENT EXCEEDS	7020	5280	4330
90 PERCENT EXCEEDS	3800	3070	2060

^a Gage height, 7.98 ft.
^b Backwater from ice.
^e Estimated.

