

UPPER MISSISSIPPI RIVER MAIN STEM--Continued

05245100 LONG PRAIRIE RIVER AT LONG PRAIRIE, MN

LOCATION.--Lat 45°58'30", long 94°51'56", in NE¹/₄NW¹/₄ sec. 20, T. 129 N., R. 33 W., Todd County, Hydrologic Unit 07010108, on right bank 90 ft upstream from bridge on First Avenue at Long Prairie and 400 ft downstream from Venewitz Creek.

DRAINAGE AREA.--434 mi².

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,281.74 ft above sea level (NGVD of 1929).

REMARKS.--Records good except those for estimated daily discharges, which are fair to poor.

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	50	77	e53	e45	e50	e52	e59	827	498	505	267	165
2	50	93	e51	e47	e50	e52	e60	795	474	486	261	170
3	49	122	e49	e49	e50	e52	e62	762	448	466	256	170
4	48	134	e48	e51	e50	e52	e64	738	421	447	248	168
5	50	125	e46	e51	e51	e52	e71	721	404	424	236	166
6	51	132	e47	e50	e51	e52	e85	715	394	401	226	162
7	49	150	e47	e49	e52	e52	886	703	374	381	216	181
8	48	168	e47	e49	e52	e52	1980	684	363	358	209	184
9	47	182	e47	e49	e52	e53	2710	670	375	338	202	178
10	46	182	e46	e49	e52	e53	2570	668	387	315	194	175
11	44	169	e45	e49	e52	e52	2140	659	399	291	190	172
12	44	160	e44	e49	e52	e52	1970	645	440	275	186	168
13	44	157	e44	e49	e52	e52	1660	614	553	260	182	161
14	44	155	e44	e49	e54	e54	1460	592	1030	249	179	156
15	45	e145	e44	e49	e54	e55	1340	573	1350	243	179	158
16	44	e132	e44	e49	e54	e54	1200	548	1230	243	176	154
17	44	e110	e44	e50	e54	e55	1080	527	1360	242	171	152
18	44	e97	e44	e50	e54	e55	993	504	1620	241	171	152
19	43	e86	e44	e50	e54	e55	920	483	1590	245	169	151
20	43	e78	e43	e51	e54	e56	871	485	1360	253	167	152
21	e42	e74	e43	e51	e54	e56	824	519	1210	252	165	156
22	42	e67	e43	e51	e54	e56	824	511	1100	252	164	158
23	42	e61	e43	e51	e54	e56	1040	518	986	253	160	160
24	42	e58	e39	e50	e54	e56	1080	527	901	249	156	155
25	46	e56	e38	e50	e53	e56	1030	536	816	246	154	153
26	52	e53	e41	e50	e53	e56	1070	556	767	239	151	150
27	56	e53	e44	e50	e53	e56	1050	577	668	249	151	144
28	54	e54	e44	e50	e52	e56	983	577	599	280	148	138
29	54	e54	e44	e50	---	e57	914	556	564	271	157	134
30	56	e54	e45	e50	---	e59	875	537	536	269	177	132
31	61	---	e45	e50	---	e59	---	514	---	269	167	---
TOTAL	1474	3238	1390	1537	1471	1685	31871	18841	23217	9492	5835	4775
MEAN	47.5	108	44.8	49.6	52.5	54.4	1062	608	774	306	188	159
MAX	61	182	53	51	54	59	2710	827	1620	505	267	184
MIN	42	53	38	45	50	52	59	483	363	239	148	132
AC-FT	2920	6420	2760	3050	2920	3340	63220	37370	46050	18830	11570	9470
CFSM	.11	.25	.10	.11	.12	.13	2.45	1.40	1.78	.71	.43	.37
IN.	.13	.28	.12	.13	.13	.14	2.73	1.61	1.99	.81	.50	.41

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	130	118	75.7	62.8	66.4	174	384	282	230	195	140	121
MAX	512	425	270	217	208	441	1062	653	774	777	715	607
(WY)	1987	1972	1987	1987	1987	1985	2001	1986	2001	1972	1972	1986
MIN	13.4	8.69	3.19	1.05	1.62	19.8	71.8	45.5	27.5	4.73	10.0	5.32
(WY)	1977	1977	1977	1977	1977	1989	1977	1977	1988	1988	1989	1976

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1972 - 2001
ANNUAL TOTAL	41160	104826	
ANNUAL MEAN	112	287	165
HIGHEST ANNUAL MEAN			366
LOWEST ANNUAL MEAN			25.2
HIGHEST DAILY MEAN	458	2710	2900
LOWEST DAILY MEAN	38	38	.84
ANNUAL SEVEN-DAY MINIMUM	41	41	.84
MAXIMUM PEAK FLOW		2900	3270
MAXIMUM PEAK STAGE		8.91	9.37
INSTANTANEOUS LOW FLOW		38a	.84
ANNUAL RUNOFF (AC-FT)	81640	207900	119700
ANNUAL RUNOFF (CFSM)	.26	.66	.38
ANNUAL RUNOFF (INCHES)	3.53	8.99	5.17
10 PERCENT EXCEEDS	191	819	371
50 PERCENT EXCEEDS	94	144	105
90 PERCENT EXCEEDS	46	46	26

a Estimated daily discharge, backwater from ice.
 e Estimated.

