05245100 LONG PRAIRIE RIVER AT LONG PRAIRIE, MN

LOCATION.--Lat 45°58'30", long 94°51'56", in NE¼NW¼ 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 mi^2.

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, in CFS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	112	e76	e62	e81	e72	e207	339	211	157	199	175
2	127	111	e80	e62	e81	e71	e202	316	203	147	189	190
3	125	109	e90	e62	e80	e71	e187	286	200	140	190	191
4	124	108	e97	e68	e79	e72	e176	271	192	130	188	187
5	121	106	e98	e74	e79	e73	e163	261	184	124	177	179
6	127	105	e99	e80	e80	e77	e135	256	174	118	170	199
7	129	103	e99	e86	e82	e80	e160	258	168	117	165	180
8	124	103	e101	e90	e83	e85	262	319	166	234	162	159
9	122	102	e101	e96	e85	e88	279	389	164	192	159	162
10	136	102	e101	e95	e85	e93	302	447	160	492	156	185
11	136	101	e101	e94	e86	e96	359	479	158	735	149	181
12	140	101	e101	e90	e87	e102	409	510	155	581	162	e165
13	153	101	e101	e92	e87	e108	429	514	149	508	154	e150
14	151	101	e98	e93	e87	e106	436	496	144	470	146	e140
15	150	100	e98	e93	e87	e105	422	485	139	444	150	e130
16	149	98	e96	e93	e87	e102	400	471	132	416	146	e125
17	147	99	e92	e92	e87	e99	393	444	127	371	168	e120
18	145	99	e90	e92	e87	e96	392	412	123	326	162	120
19	140	97	e87	e91	e87	e94	406	375	188	279	154	114
20	134	96	e85	e91	e87	e91	417	341	211	257	151	111
21	130	95	e83	e91	e86	e89	418	312	218	253	160	108
22	129	94	e81	e91	e82	e89	404	290	228	257	157	105
23	126	94	e79	e91	e80	e88	374	277	278	242	148	104
24	123	106	e78	e91	e78	e88	350	268	325	243	144	101
25	124	128	e75	e91	e76	e89	333	259	293	242	136	100
26	124	e103	e72	e90	e74	e88	305	252	270	247	131	96
27	124	e64	e68	e89	e73	e89	286	246	251	241	127	91
28	120	e61	e65	e88	e73	e97	292	241	224	232	126	92
29	116	e60	e63	e86	---	e113	315	235	193	223	222	93
30	115	e59	e62	e85	---	e132	337	237	172	210	216	92
31	115	---	e62	e83	---	e180	---	224	---	203	180	---
TOTAL	4054	2918	2679	2672	2306	2923	9550	10510	5800	8831	5044	4145
MEAN	130.8	97.27	86.42	86.19	82.36	94.29	318.3	339.0	193.3	284.9	162.7	138.2
MAX	153	128	101	96	87	180	436	514	325	735	222	199
MIN	115	59	62	62	73	71	135	224	123	117	126	91
AC-FT	8040	5790	5310	5300	4570	5800	18940	20850	11500	17520	10000	8220
CFSM	0.30	0.22	0.20	0.20	0.19	0.22	0.73	0.78	0.45	0.66	0.37	0.32
IN.	0.35	0.25	0.23	0.23	0.20	0.25	0.82	0.90	0.50	0.76	0.43	0.36

05245100 LONG PRAIRIE RIVER AT LONG PRAIRIE, MN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	130.4	117.6	76.09	63.55	66.95	171.6	382.2	283.6	228.8	197.5	140.9	121.4
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1972 - 2002	
ANNUAL TOTAL	108375		61432			
ANNUAL MEAN	296.9		168.3		165.3	
HIGHEST ANNUAL MEAN					366	1972
LOWEST ANNUAL MEAN					25.2	1977
HIGHEST DAILY MEAN	2710	Apr 9	735	Jul 11	2900	Jul 22 1972
LOWEST DAILY MEAN	45	Jan 1	59a	Nov 30	0.84a	Jan 12 1977
ANNUAL SEVEN-DAY MINIMUM	49	Jan 1	63	Dec 28	0.84	Jan 12 1977
MAXIMUM PEAK FLOW			788	Jul 11	3270	Jul 22 1972
MAXIMUM PEAK STAGE			5.77	Jul 11	9.37	Jul 22 1972
INSTANTANEOUS LOW FLOW			59a	Nov 30	0.84a	Jan 12 1977
ANNUAL RUNOFF (AC-FT)	215000		121900		119700	
ANNUAL RUNOFF (CFSM)	0.68		0.39		0.38	
ANNUAL RUNOFF (INCHES)	9.29		5.27		5.17	
10 PERCENT EXCEEDS	819		335		371	
50 PERCENT EXCEEDS	138		127		106	
90 PERCENT EXCEEDS	51		80		26	

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