

05212700 PRAIRIE RIVER NEAR TACONITE, MN

LOCATION.--Lat 47°23'20", long 93°22'50", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T.57 N., R.24 W., Itasca County, Hydrologic Unit 07010103, on left bank 125 ft upstream from bridge on County Highway 7, 1.5 mi downstream from outlet of Lawrence Lake and 5 mi north of Taconite.

DRAINAGE AREA.--371 mi² (revised).

PERIOD OF RECORD.--April 1967 to September 1983, February 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,294.81 ft above sea level (NGVD of 1929). Prior to Aug. 31, 1967, nonrecording gage at site 125 ft downstream (same datum).

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	68	119	e75	e60	e78	333	336	398	93	79	38
2	53	68	e114	e73	e61	e78	409	318	457	86	75	38
3	53	70	113	e71	e61	e77	498	296	532	87	70	39
4	51	73	108	e68	e61	e76	573	276	607	115	66	40
5	50	71	107	e66	e60	e77	636	249	676	117	62	57
6	48	71	e103	e66	e60	e75	683	234	729	119	58	118
7	48	e68	101	e66	e60	e73	718	207	749	123	55	133
8	48	e66	101	e66	e60	e71	744	191	752	123	54	147
9	49	e64	101	e65	e60	e69	751	178	732	122	55	169
10	48	e67	e101	e65	e60	67	747	171	697	118	55	190
11	52	73	e100	e64	e59	e66	735	159	655	130	55	204
12	58	e74	e98	e64	e59	e65	713	154	612	140	52	207
13	58	e75	e98	e63	e59	e65	685	147	562	156	50	208
14	58	76	e96	e63	e58	e64	651	140	506	176	48	209
15	58	78	e94	e63	e58	e64	612	135	451	192	47	217
16	58	81	e93	e62	e59	e63	573	133	405	202	45	246
17	e58	83	e91	e62	e59	63	532	155	364	202	44	253
18	e58	90	e90	e62	e60	62	498	160	327	197	42	265
19	e58	95	e89	e62	e64	62	472	162	289	190	40	276
20	58	99	e89	e61	e71	61	446	180	256	177	39	291
21	58	102	e89	e61	e78	e60	444	188	231	165	37	316
22	56	105	e89	e60	e82	e59	444	194	203	153	37	327
23	57	e117	e89	e59	e84	e57	444	202	184	140	36	332
24	57	e124	e88	e58	e85	56	437	204	170	128	36	347
25	59	e121	e87	e57	e85	60	433	218	155	119	36	353
26	59	e118	e87	e57	e84	65	424	219	142	110	36	353
27	58	116	e86	e57	e84	75	405	226	130	101	35	357
28	67	117	e86	e56	e83	133	389	223	119	95	35	351
29	66	115	e83	e57	e80	175	373	220	109	92	34	344
30	67	116	e80	e58	---	215	350	237	100	87	35	334
31	68	---	e77	e59	---	267	---	330	---	83	37	---
TOTAL	1,751	2,661	2,947	1,946	1,954	2,598	16,152	6,442	12,299	4,138	1,485	6,759
MEAN	56.5	88.7	95.1	62.8	67.4	83.8	538	208	410	133	47.9	225
MAX	68	124	119	75	85	267	751	336	752	202	79	357
MIN	48	64	77	56	58	56	333	133	100	83	34	38
AC-FT	3,470	5,280	5,850	3,860	3,880	5,150	32,040	12,780	24,400	8,210	2,950	13,410
CFSM	0.15	0.24	0.26	0.17	0.18	0.23	1.45	0.56	1.11	0.36	0.13	0.61
IN.	0.18	0.27	0.30	0.20	0.20	0.26	1.62	0.65	1.23	0.41	0.15	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

MEAN	188	192	108	74.2	70.2	91.7	585	510	355	233	111	129
MAX	586	605	222	110	106	170	1,329	1,094	866	618	295	482
(WY)	(1974)	(1972)	(1978)	(1978)	(1969)	(1983)	(1969)	(1975)	(1974)	(1975)	(1978)	(1977)
MIN	11.4	14.0	15.5	24.1	37.0	60.1	86.9	57.0	69.7	61.3	24.3	15.4
(WY)	(1977)	(1977)	(1977)	(1977)	(1968)	(1977)	(1977)	(1977)	(1980)	(1980)	(1976)	(1976)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1967 - 2004	
ANNUAL TOTAL	39,701		61,132		217	
ANNUAL MEAN	109		167		89.1	
HIGHEST ANNUAL MEAN					327	1974
LOWEST ANNUAL MEAN					89.1	1977
HIGHEST DAILY MEAN	353	Jul 15	752	Jun 8	3,240	Apr 17, 1969
LOWEST DAILY MEAN	46	Sep 10	34	Aug 29	8.0	Oct 5, 1970
ANNUAL SEVEN-DAY MINIMUM	48	Mar 6	35	Aug 24	11	Oct 17, 1976
MAXIMUM PEAK FLOW			757	Jun 8	3,260	Apr 17, 1969
MAXIMUM PEAK STAGE			7.17	Jun 8	11.81	Apr 17, 1969
INSTANTANEOUS LOW FLOW			34	Aug 28	7.0	Oct 5, 1970
ANNUAL RUNOFF (AC-FT)	78,750		121,300		157,600	
ANNUAL RUNOFF (CFSM)	0.293		0.450		0.586	
ANNUAL RUNOFF (INCHES)	3.98		6.13		7.97	
10 PERCENT EXCEEDS	211		434		502	
50 PERCENT EXCEEDS	89		88		111	
90 PERCENT EXCEEDS	51		55		49	

e Estimated.

