

05212700 PRAIRIE RIVER NEAR TACONITE, MN

LOCATION.--Lat 47°23'20", long 93°22'50", in NW¼SW¼ 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	337	254	138	e117	e124	e95	364	324	1,120	225	56	30
2	333	273	137	e116	e123	e96	467	303	1,090	210	54	29
3	328	289	137	e114	e120	e98	582	282	1,020	203	53	28
4	325	303	129	e112	e118	e99	718	262	959	196	51	28
5	319	307	129	e110	e117	e100	885	244	920	186	47	27
6	313	310	125	e109	e114	e101	1,080	230	863	176	44	29
7	304	309	126	e108	e112	e100	1,260	212	799	165	42	29
8	296	300	123	e109	e110	e99	1,340	203	744	156	41	28
9	284	291	123	e110	e110	e99	1,330	201	703	148	43	30
10	269	285	123	e110	e110	e98	1,280	207	657	137	42	32
11	256	270	120	e110	e110	e96	1,230	204	615	128	41	30
12	242	258	124	e109	e110	e95	1,160	194	574	126	40	35
13	233	244	e125	e108	e109	e94	1,090	196	538	118	39	43
14	213	229	e124	e106	e107	e94	1,030	204	523	111	38	40
15	202	215	e122	e104	e106	e93	983	208	527	106	35	40
16	194	203	e120	e103	e104	e93	944	207	520	100	34	41
17	181	195	e117	e103	e102	e92	902	209	509	94	34	41
18	169	189	e114	e105	e100	e92	859	216	497	95	34	43
19	159	182	e113	e107	e98	e92	818	239	481	92	34	45
20	154	181	e111	e108	e97	e91	765	246	474	92	34	45
21	147	176	e110	e109	e96	e89	714	249	453	89	33	45
22	144	170	e108	e111	e96	e85	670	266	419	86	32	47
23	147	169	e107	e112	e96	e81	611	281	387	82	31	43
24	151	164	e106	e112	e96	e77	559	283	359	79	31	44
25	152	159	e108	e112	e96	e81	513	324	325	75	31	47
26	158	154	e112	e112	e96	e78	474	579	291	73	33	44
27	172	155	e115	e113	e95	69	436	722	266	67	32	46
28	186	152	e117	e115	e95	72	401	809	247	65	32	47
29	204	147	e118	e120	---	86	371	904	224	62	32	43
30	226	142	e120	e123	---	144	346	1,010	225	58	31	42
31	240	---	e118	e124	---	240	---	1,100	---	57	30	---
TOTAL	7,038	6,675	3,719	3,441	2,967	3,019	24,182	11,118	17,329	3,657	1,184	1,141
MEAN	227	222	120	111	106	97.4	806	359	578	118	38.2	38.0
MAX	337	310	138	124	124	240	1,340	1,100	1,120	225	56	47
MIN	144	142	106	103	95	69	346	194	224	57	30	27
AC-FT	13,960	13,240	7,380	6,830	5,890	5,990	47,960	22,050	34,370	7,250	2,350	2,260
CFSM	0.61	0.60	0.32	0.30	0.29	0.26	2.17	0.97	1.56	0.32	0.10	0.10
IN.	0.71	0.67	0.37	0.35	0.30	0.30	2.42	1.11	1.74	0.37	0.12	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	190	193	109	76.0	71.9	92.0	595	503	365	227	108	125
MAX	586	605	222	111	106	170	1,329	1,094	866	618	295	482
(WY)	(1974)	(1972)	(1978)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	71,205		85,470		218	
ANNUAL MEAN	195		234		89.1	
HIGHEST ANNUAL MEAN					327	1974
LOWEST ANNUAL MEAN					89.1	1977
HIGHEST DAILY MEAN	752	Jun 8	1,340	Apr 8	3,240	Apr 17, 1969
LOWEST DAILY MEAN	34	Aug 29	27	Sep 5	8.0	Oct 5, 1970
ANNUAL SEVEN-DAY MINIMUM	35	Aug 24	28	Sep 2	11	Oct 17, 1976
MAXIMUM PEAK FLOW			1,350	Apr 8	3,260	Apr 17, 1969
MAXIMUM PEAK STAGE			8.93	Apr 8	11.81	Apr 17, 1969
INSTANTANEOUS LOW FLOW			26	Sep 5	7.0	Oct 5, 1970
ANNUAL RUNOFF (AC-FT)	141,200		169,500		158,200	
ANNUAL RUNOFF (CFSM)	0.524		0.631		0.588	
ANNUAL RUNOFF (INCHES)	7.14		8.57		8.00	
10 PERCENT EXCEEDS	434		594		507	
50 PERCENT EXCEEDS	140		123		112	
90 PERCENT EXCEEDS	57		41		49	

e Estimated.

