

MINNESOTA RIVER BASIN--Continued

05300000 LAC QUI PARLE RIVER NEAR LAC QUI PARLE, MN

LOCATION.--Lat 44°59'42", long 95°55'09", in SW¹/₄SW¹/₄ sec. 27, T.118 N., R.42 W., Lac qui Parle County, Hydrologic Unit 07020003, on right bank 40 ft downstream from highway bridge and 0.5 mi southwest of city of Lac qui Parle.

DRAINAGE AREA.--960 mi².

PERIOD OF RECORD.--April 1910 to November 1914; March 1931 to current year (winter records incomplete prior to 1934). Published as "at Lac qui Parle," 1910- 14.

REVISED RECORDS.--WSP 1308: 1912(M), 1935(M).

GAGE.--Water-stage recorder. Datum of gage is 946.98 ft (revised) above sea level (Minnesota Department of Transportation benchmark). Prior to July 26, 1998, gage datum 5.00 ft higher at present location. Apr. 27, 1910 to Nov. 15, 1914, nonrecording gage at site 2 mi downstream at different datum. Mar. 17, 1931 to Mar. 9, 1937, nonrecording gage at site 40 ft upstream at present datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	89	190	e24	e15	e170	255	297	238	231	42	33
2	3.1	91	184	e23	e15	e205	248	283	307	221	87	39
3	5.0	89	179	e22	e15	e188	250	268	266	211	89	41
4	17	83	171	e21	e16	e177	254	256	228	198	71	51
5	31	79	167	e20	e16	e168	264	250	228	192	62	52
6	31	76	158	e19	e16	e160	346	259	217	184	52	67
7	21	76	152	e18	e17	e150	417	320	198	167	42	95
8	34	73	145	e17	e19	e143	516	414	204	158	36	94
9	43	74	121	e16	e24	e140	575	471	211	142	33	82
10	42	105	118	e16	e40	e139	542	484	421	121	30	70
11	38	150	117	e15	e66	e137	527	459	684	110	27	58
12	40	e55	117	e15	e112	e136	533	424	621	101	24	51
13	37	e48	117	e14	e110	e135	566	402	520	92	21	45
14	33	47	137	e14	e125	e148	588	391	452	83	21	41
15	42	48	126	e14	e130	e170	580	382	402	79	19	40
16	51	50	115	e14	e122	e194	558	463	361	73	18	38
17	66	67	108	e15	e117	e225	547	583	298	67	17	36
18	77	78	104	e15	e112	e250	523	732	264	62	17	33
19	98	e83	e90	e15	e109	e270	493	794	256	60	22	37
20	94	101	e76	e15	e105	e281	467	656	253	58	22	42
21	98	123	e65	e15	e103	e279	443	574	265	56	21	35
22	108	127	e55	e15	e102	e277	417	570	270	55	21	40
23	73	137	e46	e15	e102	e273	391	559	262	55	20	41
24	47	151	e39	e15	e102	e265	376	504	242	53	19	41
25	61	157	e33	e15	e104	254	359	454	262	51	20	38
26	59	172	e29	e15	e110	240	337	415	293	47	21	38
27	68	184	e26	e15	e118	228	322	384	254	44	20	35
28	67	201	e25	e15	e132	231	312	351	236	43	20	35
29	66	208	e25	e15	---	233	309	320	222	41	18	37
30	74	203	e25	e15	---	242	309	286	227	40	27	36
31	75	---	e24	e15	---	255	---	255	---	51	37	---
TOTAL	1602.1	3225	3084	507	2174	6363	12624	13260	9162	3146	996	1421
MEAN	51.7	108	99.5	16.4	77.6	205	421	428	305	101	32.1	47.4
MAX	108	208	190	24	132	281	588	794	684	231	89	95
MIN	3.0	47	24	14	15	135	248	250	198	40	17	33
AC-FT	3180	6400	6120	1010	4310	12620	25040	26300	18170	6240	1980	2820
CFSM	.05	.11	.10	.02	.08	.21	.44	.45	.32	.11	.03	.05
IN.	.06	.12	.12	.02	.08	.25	.49	.51	.36	.12	.04	.06

e Estimated

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	43.2	48.6	26.0	11.7	23.1	300	610	245	269	142	76.8	38.3
MAX	629	378	149	88.1	244	1634	5354	1264	1762	1613	765	535
(WY)	1996	1996	1996	1994	1998	1985	1997	1995	1984	1993	1953	1985
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1932	1932	1932	1932	1934	1934	1934	1934	1934	1934	1931	1931

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1910 - 1999	
ANNUAL TOTAL	75355.0		57564.1			
ANNUAL MEAN	206		158		161 ^a	
HIGHEST ANNUAL MEAN					625	
LOWEST ANNUAL MEAN					.000	
HIGHEST DAILY MEAN	2060	Apr 11	794	May 19	16000	Apr 10 1969
LOWEST DAILY MEAN	1.8	Sep 29	3.0	Oct 1	.00 ^b	Jul 15 1931
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 24	14	Jan 11	.00	Jul 15 1931
INSTANTANEOUS PEAK FLOW			822		17100	Apr 10 1969
INSTANTANEOUS PEAK STAGE			8.73		19.37 ^c	Apr 9 1965
INSTANTANEOUS LOW FLOW			2.9 ^d		.00 ^b	Jul 15 1931
ANNUAL RUNOFF (AC-FT)	149500		114200		116700	
ANNUAL RUNOFF (CFSM)	.22		.16		.17	
ANNUAL RUNOFF (INCHES)	2.92		2.23		2.28	
10 PERCENT EXCEEDS	524		414		353	
50 PERCENT EXCEEDS	73		101		22	
90 PERCENT EXCEEDS	11		17		.50	

a Median of annual mean discharges is 120 ft³/s.
 b Many days, several years.
 c From highwater mark, backwater from ice. Datum then in use.
 d Rising stage.

