

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 village of Lac qui Parle.

DRAINAGE AREA.--960 mi².

PERIOD OF RECORD.--April 1910 to November 1914; March 1931 to September 1999 (winter records incomplete prior to 1934), October 1999 to March 2001 (peak flow only), April 2001 to current year. 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 above sea level (NGVD of 1929, Minnesota Department of Transportation benchmark). 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	34	e51	e17	e23	e49	e1020	415	199	107	14	43
2	e36	36	e51	e17	e23	e43	e1160	393	190	89	13	37
3	e32	39	e55	e16	e22	e39	e1080	354	183	80	14	32
4	e27	36	e56	e16	e22	e36	e982	319	182	82	16	30
5	e26	37	e62	e17	e21	e33	e690	292	180	80	16	24
6	e25	37	e72	e19	e21	e30	616	270	173	65	19	21
7	e23	44	e75	e19	e22	e26	636	255	164	52	16	18
8	e22	44	e69	e21	e24	e22	622	262	153	45	15	16
9	e20	42	e67	e23	e25	e20	694	289	144	39	14	14
10	19	41	e70	e26	e25	e18	657	418	136	34	14	14
11	19	41	e72	e29	e26	e17	567	529	130	32	12	e13
12	23	42	e68	e33	e26	e18	527	519	123	30	15	e10
13	26	45	e67	e40	e29	e23	525	499	118	28	17	e8.5
14	31	43	e70	e44	e30	e27	512	524	109	25	16	e8.3
15	31	46	e64	e47	e33	e29	479	513	101	25	15	e7.5
16	31	44	e65	e47	e37	e29	468	466	93	26	15	e6.6
17	32	44	e68	e44	e42	e29	452	424	86	23	18	e6.2
18	32	43	e78	e41	e47	e30	424	390	79	22	21	e6.0
19	31	43	e80	e40	e55	e33	404	358	71	20	15	5.4
20	32	44	e79	e38	e62	e35	371	333	67	22	16	5.0
21	31	45	e67	e37	e69	e38	347	312	77	21	122	4.3
22	31	43	e57	e37	e75	e40	323	292	112	19	185	3.8
23	31	42	e50	e38	e78	e42	320	275	133	18	243	2.8
24	31	54	e41	e37	e78	e43	316	260	234	19	231	2.5
25	33	86	e38	e37	e74	e45	307	248	215	19	180	2.6
26	33	74	e37	e37	e69	e46	290	235	228	18	142	3.3
27	32	e71	e32	e33	e63	e50	274	225	204	21	116	2.9
28	36	e59	e29	e30	e57	e75	275	221	171	21	90	3.2
29	36	e52	e26	e28	---	e193	308	215	145	20	71	3.6
30	35	e52	e24	e26	---	e367	374	214	124	18	58	3.3
31	33	---	e20	e24	---	e744	---	207	---	16	49	---
TOTAL	921	1403	1760	958	1178	2269	16020	10526	4324	1136	1798	357.8
MEAN	29.7	46.8	56.8	30.9	42.1	73.2	534	340	144	36.6	58.0	11.9
MAX	41	86	80	47	78	744	1160	529	234	107	243	43
MIN	19	34	20	16	21	17	274	207	67	16	12	2.5
AC-FT	1830	2780	3490	1900	2340	4500	31780	20880	8580	2250	3570	710
CFSM	0.03	0.05	0.06	0.03	0.04	0.08	0.56	0.35	0.15	0.04	0.06	0.01
IN.	0.04	0.05	0.07	0.04	0.05	0.09	0.62	0.41	0.17	0.04	0.07	0.01

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	43.0	48.5	26.4	11.9	23.4	297	635	254	273	141	76.2	37.8
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1932	1932	1932	1932	1934	1934	1934	1934	1934	1934	1931	1931

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 1910 - 2002

ANNUAL TOTAL	42650.8	
ANNUAL MEAN	117	158a
HIGHEST ANNUAL MEAN		716 2001
LOWEST ANNUAL MEAN		0.000 1934
HIGHEST DAILY MEAN	1160 Apr 2	16000 Apr 10 1969
LOWEST DAILY MEAN	2.5 Sep 24	0.00b Jul 15 1931
ANNUAL SEVEN-DAY MINIMUM	3.0 Sep 23	0.00 Jul 15 1931
MAXIMUM PEAK FLOW	1160c Apr 2	17100 Apr 10 1969
MAXIMUM PEAK STAGE	11.16d Mar 31	24.37f Apr 9 1965
INSTANTANEOUS LOW FLOW	2.3 Sep 23	0.00b Jul 15 1931
ANNUAL RUNOFF (AC-FT)	84600	114600
ANNUAL RUNOFF (CFSM)	0.12	0.16
ANNUAL RUNOFF (INCHES)	1.65	2.24
10 PERCENT EXCEEDS	350	361
50 PERCENT EXCEEDS	42	23
90 PERCENT EXCEEDS	16	0.57

- a Median of annual mean discharges is 117 ft³/s.
- b Many days, several years.
- c Estimated daily-mean discharge, backwater from ice.
- d Backwater from ice.
- e Estimated.
- f From highwater mark, backwater from ice. Datum then in use.

