

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 70 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 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 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	e0.82	e5.8	e2.9	e2.3	e1.4	e16	e54	29	100	49	10	60
2	e1.00	e5.8	e3.0	e2.2	e1.3	e27	43	26	176	45	9.1	50
3	e1.1	e5.4	e3.1	e2.0	e1.3	e32	36	25	180	42	8.5	45
4	e1.2	e5.4	e3.1	e1.9	e1.3	e36	32	24	160	41	8.1	40
5	e1.4	e5.0	e3.1	e1.7	e1.3	e35	29	23	140	46	7.2	36
6	e1.5	e4.8	e3.2	e1.6	e1.3	e36	25	23	121	59	6.8	32
7	e1.5	e4.8	e3.3	e1.6	e1.2	e36	21	23	105	e61	7.9	29
8	e1.8	e4.5	e3.3	e1.6	e1.2	e42	20	24	94	e61	15	29
9	e1.9	e4.6	e3.0	e1.6	e1.2	e47	20	24	95	e58	12	31
10	e2.1	e4.6	e2.7	e1.6	e1.2	e56	20	24	91	e56	8.3	29
11	e2.1	e4.0	e2.3	e1.6	e1.2	e56	21	23	102	e53	7.3	27
12	e2.5	e3.8	e2.1	e1.7	e1.2	e55	e21	24	125	e51	6.9	24
13	e2.7	e3.7	e2.1	e1.7	e1.2	e62	e20	e23	159	47	6.4	23
14	e2.9	e3.7	e2.0	e1.7	e1.2	e65	e19	e22	213	42	6.0	21
15	e3.2	e3.7	e2.2	e1.6	e1.1	e66	e17	e23	287	38	5.3	25
16	e3.5	e3.7	e2.4	e1.6	e1.2	e66	e17	e28	286	35	5.6	31
17	e3.7	e3.8	e2.5	e1.6	e1.2	e64	17	e32	264	32	4.8	29
18	e4.0	e3.7	e2.5	e1.5	e1.3	e62	16	e33	223	28	4.4	27
19	e4.2	e3.6	e2.6	e1.4	e1.5	e63	16	e67	197	26	4.2	42
20	e4.3	e3.4	e2.6	e1.4	e1.7	e73	e25	e73	174	26	4.0	49
21	e4.6	e3.2	e2.6	e1.5	e2.0	e75	e30	e66	154	25	3.8	59
22	e4.8	e3.3	e2.6	e1.5	e2.3	e78	e32	59	135	23	3.5	55
23	e5.1	e2.7	e2.5	e1.5	e2.7	e81	48	57	118	20	3.1	51
24	e5.3	e2.8	e2.4	e1.5	e3.3	e79	80	63	103	18	3.0	66
25	e5.2	e2.9	e2.4	e1.5	e3.7	e71	58	55	92	16	2.9	93
26	e5.1	e2.8	e2.4	e1.5	e4.1	e71	51	63	83	14	3.8	104
27	e5.1	e2.8	e2.4	e1.4	e4.7	e71	43	94	74	13	4.1	114
28	e5.2	e2.8	e2.3	e1.4	e5.4	e69	37	94	67	13	112	127
29	e5.5	e2.8	e2.3	e1.4	e7.8	e69	32	90	60	13	109	118
30	e5.5	e2.8	e2.3	e1.4	---	67	31	98	54	12	91	104
31	e5.6	---	e2.3	e1.4	---	e61	---	91	---	11	77	---
TOTAL	104.42	116.7	80.5	49.9	61.5	1,787	931	1,423	4,232	1,074	597.9	1,570
MEAN	3.37	3.89	2.60	1.61	2.12	57.6	31.0	45.9	141	34.6	19.3	52.3
MAX	5.6	5.8	3.3	2.3	7.8	81	80	98	287	61	112	127
MIN	0.82	2.7	2.0	1.4	1.1	16	16	22	54	11	2.9	21
AC-FT	207	231	160	99	122	3,540	1,850	2,820	8,390	2,130	1,190	3,110
CFSM	0.00	0.00	0.00	0.00	0.00	0.06	0.03	0.05	0.15	0.04	0.02	0.05
IN.	0.00	0.00	0.00	0.00	0.00	0.07	0.04	0.06	0.16	0.04	0.02	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

MEAN	42.2	47.7	26.0	11.8	22.8	292	595	250	269	138	74.5	37.5
MAX	629	378	149	88.1	244	1,634	5,354	1,264	1,762	1,613	765	535
(WY)	(1996)	(1996)	(1996)	(1994)	(1998)	(1985)	(1997)	(1995)	(1984)	(1993)	(1953)	(1985)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1932)	(1932)	(1932)	(1932)	(1934)	(1934)	(1934)	(1934)	(1934)	(1934)	(1931)	(1931)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	19,569.11		12,027.92		a157	
ANNUAL MEAN	53.6		32.9		625	
HIGHEST ANNUAL MEAN					1993	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	763	Mar 18	287	Jun 15	16,000	Apr 10, 1969
LOWEST DAILY MEAN	0.03	Sep 8	0.82	Oct 1	b0.00	Jul 15, 1931
ANNUAL SEVEN-DAY MINIMUM	0.05	Sep 3	1.2	Feb 9	0.00	Jul 15, 1931
MAXIMUM PEAK FLOW			295	Jun 15	17,100	Apr 10, 1969
MAXIMUM PEAK STAGE			6.76	Jun 15	c24.37	Apr 9, 1965
INSTANTANEOUS LOW FLOW			d0.82	Oct 1	b0.00	Jul 15, 1931
ANNUAL RUNOFF (AC-FT)	38,820		23,860		113,900	
ANNUAL RUNOFF (CFSM)	0.056		0.034		0.164	
ANNUAL RUNOFF (INCHES)	0.76		0.47		2.22	
10 PERCENT EXCEEDS	171		91		360	
50 PERCENT EXCEEDS	7.1		14		24	
90 PERCENT EXCEEDS	1.4		1.5		0.60	

- 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 Estimated daily-mean discharge, backwater from beaver dam.
- e Estimated.

