

## 05300000 LAC QUI PARLE RIVER NEAR LAC QUI PARLE, MN

LOCATION.--Lat 44°59'43", long 95°55'10", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec. 27, T.118 N., R.42 W., Lac qui Parle County, Hydrologic Unit 07020003, on left bank 20 ft downstream from highway bridge and 0.5 mi southwest of village of Lac qui Parle.

DRAINAGE AREA.--960 mi<sup>2</sup>.

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. Prior to July 26, 1998, gage datum 5.00 ft higher at present location.

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	97	545	128	e28	e14	e32	178	167	268	194	22	6.2
2	90	506	135	e23	e14	e31	163	158	248	180	21	6.0
3	82	458	134	e21	e15	e30	152	150	235	171	18	8.1
4	85	383	118	e18	e15	e31	142	144	232	156	17	8.2
5	91	331	140	e17	e17	e33	137	138	256	144	14	7.4
6	92	305	106	e14	e25	e35	132	133	270	132	13	10
7	91	286	115	e13	e19	e35	129	135	309	122	12	9.9
8	86	266	108	e13	e18	e36	123	136	373	115	12	11
9	81	245	107	e13	e18	e36	120	147	436	113	10	10
10	76	225	107	e12	e18	e33	122	151	527	105	9.2	9.1
11	69	209	104	e11	e19	e32	159	166	606	100	8.7	7.5
12	64	195	100	e11	e19	e34	252	192	673	97	8.2	8.8
13	58	183	e83	e9.7	e20	e34	469	264	807	92	7.8	13
14	54	172	e96	e10	e37	e33	642	351	1,370	85	8.5	22
15	53	164	e92	e8.5	e42	e32	668	500	1,230	81	8.2	27
16	55	158	e88	e7.5	e39	e30	603	526	1,200	77	8.5	26
17	54	152	e85	e6.7	e37	e29	519	534	1,100	75	8.3	22
18	53	147	e77	e6.6	e37	e28	454	515	983	65	8.9	21
19	51	149	e64	e7.5	e36	e29	410	467	847	57	11	30
20	50	145	e67	e7.6	e36	e30	372	431	719	57	11	26
21	49	142	e64	e8.6	e36	e34	340	395	622	54	9.3	20
22	48	145	e58	e8.7	e35	e40	310	349	552	46	8.5	19
23	48	146	e51	e8.9	e34	e52	283	317	494	41	7.9	16
24	48	144	e45	e11	e33	e63	264	303	430	37	7.6	16
25	43	139	e42	e13	e33	e74	241	302	374	36	7.0	19
26	42	128	e41	e13	e32	e87	220	307	329	38	8.0	29
27	43	131	e37	e12	e32	e103	206	331	292	34	8.5	21
28	98	134	e34	e12	e32	e120	196	357	261	30	10	20
29	195	116	e33	e12	---	e146	185	347	236	28	8.2	20
30	261	115	e32	e13	---	e165	175	323	221	27	8.5	19
31	556	---	e28	e13	---	e200	---	295	---	25	7.6	---
TOTAL	2,863	6,564	2,519	383.3	762	1,727	8,366	9,031	16,500	2,614	328.4	488.2
MEAN	92.4	219	81.3	12.4	27.2	55.7	279	291	550	84.3	10.6	16.3
MAX	556	545	140	28	42	200	668	534	1,370	194	22	30
MIN	42	115	28	6.6	14	28	120	133	221	25	7.0	6.0
AC-FT	5,680	13,020	5,000	760	1,510	3,430	16,590	17,910	32,730	5,180	651	968
CFSM	0.10	0.23	0.08	0.01	0.03	0.06	0.29	0.30	0.57	0.09	0.01	0.02
IN.	0.11	0.25	0.10	0.01	0.03	0.07	0.32	0.35	0.64	0.10	0.01	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2005, BY WATER YEAR (WY)

MEAN	42.9	50.0	26.8	11.8	22.9	289	591	251	272	137	73.7	37.3
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1910 - 2005	
ANNUAL TOTAL	23,672.3		52,145.9		a157	
ANNUAL MEAN	64.7		143		625	
HIGHEST ANNUAL MEAN					1993	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	556	Oct 31	1,370	Jun 14	16,000	Apr 10, 1969
LOWEST DAILY MEAN	1.1	Feb 15	6.0	Sep 2	b0.00	Jul 15, 1931
ANNUAL SEVEN-DAY MINIMUM	1.2	Feb 9	7.4	Aug 30	0.00	Jul 15, 1931
MAXIMUM PEAK FLOW			1,430	Jun 14	17,100	Apr 10, 1969
MAXIMUM PEAK STAGE			10.43	Jun 14	c24.37	Apr 9, 1965
INSTANTANEOUS LOW FLOW			5.7	Sep 1	b0.00	Jul 15, 1931
ANNUAL RUNOFF (AC-FT)	46,950		103,400		113,700	
ANNUAL RUNOFF (CFSM)	0.067		0.149		0.164	
ANNUAL RUNOFF (INCHES)	0.92		2.02		2.22	
10 PERCENT EXCEEDS	145		373		360	
50 PERCENT EXCEEDS	43		64		24	
90 PERCENT EXCEEDS	1.6		9.5		0.60	

- a Median of annual mean discharges is 120 ft<sup>3</sup>/s.
- b Many days, several years.
- c From highwater mark, backwater from ice. Datum then in use.
- e Estimated.

