

05290000 LITTLE MINNESOTA RIVER NEAR PEEVER, SD

LOCATION.--Lat 45°36'05", long 96°52'18", in SW¹/₄ sec. 13, T.125 N., R.50 W., Roberts County, Hydrologic Unit 07020001, on Sisseton Indian Reservation, on right bank 2 mi northwest of town of Browns Valley, MN, 5.3 mi northeast of Peever, 7.2 mi downstream from Jorgenson River, and 8 mi upstream from Big Stone Lake.

DRAINAGE AREA.--438 mi².

PERIOD OF RECORD.--October 1939 to September 1981, October 1989 to current year.

REVISED RECORDS.--WSP 1308: 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 1,002.20 ft above sea level. Oct. 1, 1939 to Mar. 20, 1940, nonrecording gage at site 4.5 mi downstream at different datum. Mar. 21 to Apr. 12, 1940, nonrecording gage at site 100 ft downstream at present datum. April 13 to Aug. 27, 1940, nonrecording gage at present site and datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul 20	0800	*238	3.96	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	13	8.9	6.9	e3.2	e158	49	107	22	3.0	69	3.0
2	17	12	9.7	e7.0	e3.2	e165	45	121	20	5.8	61	2.8
3	15	11	11	e6.9	e3.3	e140	43	109	18	5.6	54	2.9
4	14	11	10	e6.7	e3.6	e102	41	104	19	13	54	2.9
5	14	9.8	8.3	e6.5	e4.1	92	38	95	22	18	55	2.9
6	13	9.2	8.7	e6.4	e4.6	97	35	82	23	33	56	2.9
7	14	9.0	8.7	e6.3	e5.1	97	32	73	21	48	54	3.5
8	14	11	8.3	e6.2	e6.0	e104	28	72	17	32	52	2.8
9	15	15	8.7	e6.3	e6.3	e110	25	74	14	35	47	2.4
10	17	11	9.2	e6.3	e6.5	e114	25	71	12	39	42	2.1
11	16	9.7	9.6	e6.2	e6.7	e118	24	77	11	44	36	2.0
12	15	9.1	7.4	e6.0	e6.8	e120	26	87	8.9	52	30	1.7
13	15	9.1	7.0	e5.7	e6.5	114	27	84	8.9	48	24	1.5
14	14	8.7	9.2	e5.3	e6.3	123	29	75	9.6	44	20	1.4
15	14	8.9	8.1	e5.1	e6.1	113	33	68	10	38	16	1.2
16	14	8.9	9.8	e4.8	e6.0	88	32	63	9.2	50	14	1.2
17	14	8.7	9.5	e4.6	e6.0	74	36	59	12	114	14	1.2
18	14	8.7	7.6	e4.5	e5.9	87	38	56	13	133	12	1.1
19	14	8.7	7.3	e4.4	e5.9	78	45	52	12	172	11	1.2
20	14	8.7	e7.2	e4.2	e6.0	76	106	46	9.2	231	11	1.2
21	14	9.0	e7.1	e4.1	e6.1	73	176	42	7.5	213	11	1.2
22	14	8.9	e6.8	e4.0	e6.4	69	161	39	6.1	215	9.9	1.7
23	12	9.2	e6.4	e3.8	e7.6	66	151	37	5.6	211	8.5	2.6
24	12	9.2	e6.0	e3.7	e12	70	125	34	5.1	193	7.6	2.3
25	12	9.2	5.7	e3.6	e23	78	104	31	5.5	170	6.4	2.2
26	12	9.2	6.2	e3.5	e40	75	88	27	5.6	146	5.6	2.1
27	12	9.2	6.2	e3.4	e100	71	90	25	5.1	123	5.0	2.1
28	12	8.6	6.2	e3.3	e120	65	118	24	4.9	107	4.4	2.2
29	11	8.4	6.7	e3.2	e145	58	106	24	4.3	96	3.9	2.2
30	12	8.9	6.9	e3.2	---	55	95	24	3.9	85	3.5	2.2
31	14	---	6.8	e3.2	---	51	---	24	---	76	3.3	---
TOTAL	432	291.0	245.2	155.3	568.2	2901	1971	1906	345.4	2793.4	801.1	62.7
MEAN	13.9	9.70	7.91	5.01	19.6	93.6	65.7	61.5	11.5	90.1	25.8	2.09
MAX	18	15	11	7.0	145	165	176	121	23	231	69	3.5
MIN	11	8.4	5.7	3.2	3.2	51	24	24	3.9	3.0	3.3	1.1
AC-FT	857	577	486	308	1130	5750	3910	3780	685	5540	1590	124
CFSM	.03	.02	.02	.01	.04	.21	.15	.14	.03	.20	.06	.00
IN.	.04	.02	.02	.01	.05	.24	.16	.16	.03	.23	.07	.01

05290000 LITTLE MINNESOTA RIVER NEAR PEEVER, SD--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.28	7.14	4.27	1.72	4.86	119	223	102	73.9	55.4	13.1	5.22
MAX	73.9	74.5	61.2	11.4	57.0	603	1321	531	355	865	235	52.0
(WY)	1996	1999	1999	1994	1998	1997	1952	1962	1942	1993	1993	1999
MIN	.21	.25	.10	.000	.000	.51	2.89	2.20	.41	.041	.059	.074
(WY)	1940	1940	1940	1940	1940	1956	1981	1981	1976	1976	1976	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	22086.0		12472.3			
ANNUAL MEAN	60.5		34.1		51.4 ^a	
HIGHEST ANNUAL MEAN					172	
LOWEST ANNUAL MEAN					1.37	
HIGHEST DAILY MEAN	289		231		5400	
LOWEST DAILY MEAN	4.5		1.1		.00 ^b	
ANNUAL SEVEN-DAY MINIMUM	5.9		1.2		.00	
INSTANTANEOUS PEAK FLOW			238		8900	
INSTANTANEOUS PEAK STAGE			5.10 ^c		14.40	
INSTANTANEOUS LOW FLOW			1.1		.00 ^b	
ANNUAL RUNOFF (AC-FT)	43810		24740		37250	
ANNUAL RUNOFF (CFSM)	.14		.076		.12	
ANNUAL RUNOFF (INCHES)	1.84		1.04		1.56	
10 PERCENT EXCEEDS	176		104		117	
50 PERCENT EXCEEDS	31		12		4.0	
90 PERCENT EXCEEDS	6.4		3.3		.30	

^a Median of annual mean discharges is 38 ft³/s.
^b Many days, several years.
^c Backwater from ice.
^e Estimated.

