

LITTLE MISSOURI RIVER BASIN

06334500 LITTLE MISSOURI RIVER AT CAMP CROOK, SD

LOCATION.--Lat 45°32'53", long 103°58'16", in SW $\frac{1}{4}$ sec.2, T.18 N., R.1 E., Harding County, Hydrologic Unit 10110201, on left bank 15 ft upstream from bridge on State Highway 20 at east edge of Camp Crook.

DRAINAGE AREA.--1,970 mi², approximately.

PERIOD OF RECORD.--September 1903 to November 1906, May 1956 to current year. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 1309: 1904. WSP 1729: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 3,108.98 ft above NGVD of 1929. Sept. 2, 1903, to Nov. 30, 1906, nonrecording gage at site 0.5 mi upstream at different datum. May 1956 to Oct. 8, 1957, nonrecording gage at site 15 ft downstream, and Oct. 9, 1957, to Sept. 30, 1976, water-stage recorder at present site both at datum 2.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Small diversions upstream from station for irrigation. Satellite data-collection platform at station. Water temperature and specific conductance measured during the year are compiled in the Miscellaneous Temperature Measurements and Field Determinations section.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1952 reached a stage of about 18 ft, present datum, from local residents.

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	1.3	14	3.8	e2.8	e2.7	e4.0	2.6	8.3	21	3.7	1.1	1.2
2	1.5	9.1	3.9	e2.8	e2.9	e4.1	2.6	12	13	3.0	0.91	0.82
3	1.6	7.3	4.2	e2.7	e3.0	e4.4	2.3	9.6	13	2.9	1.8	0.58
4	1.6	6.1	4.1	e2.6	e3.1	e4.4	2.2	8.9	8.6	2.7	1.9	0.43
5	1.5	5.1	e3.6	e2.5	e3.2	e4.3	2.9	6.0	7.4	2.6	1.8	0.52
6	1.3	15	e3.5	e2.4	e3.2	e4.2	2.8	4.8	7.4	2.7	1.2	0.56
7	1.2	15	e3.4	e2.3	e3.1	e4.1	2.5	4.5	6.5	2.3	0.80	e0.65
8	0.85	15	e3.3	e2.1	e3.0	e4.1	2.2	5.1	3.8	1.9	1.1	e0.73
9	1.5	12	e3.3	e1.9	e2.9	e4.3	2.2	4.5	5.5	1.3	1.4	e0.64
10	1.6	8.9	e3.3	e1.5	e2.9	e4.6	2.0	12	5.6	1.0	0.85	e0.66
11	1.4	7.1	e3.2	e1.4	e3.0	e4.4	2.2	8.8	6.0	1.2	1.1	e0.45
12	1.8	5.8	e3.2	e1.0	e3.0	e4.1	2.0	27	6.3	1.1	1.4	e0.39
13	2.3	e4.8	e3.2	e0.90	e3.0	e3.8	2.2	110	6.7	0.98	2.0	e0.70
14	2.8	e4.5	e3.2	e0.80	e3.1	e3.5	2.2	259	7.1	1.1	1.4	e0.49
15	3.0	4.4	e3.1	e0.90	e3.2	e3.5	1.9	254	5.9	0.98	1.1	e0.37
16	3.3	4.4	e3.0	e1.1	e3.2	e3.5	1.7	741	5.1	0.93	1.1	e0.36
17	3.5	4.1	e3.0	e1.7	e3.2	e3.6	2.0	424	4.1	1.0	1.0	e0.43
18	3.7	3.9	e2.9	e1.9	e3.3	e3.7	1.8	339	3.3	1.1	1.0	e0.61
19	3.5	3.7	e2.8	e2.0	e3.3	e3.6	2.1	180	2.8	1.2	1.5	e0.88
20	4.1	3.5	e2.6	e2.1	e3.4	e3.5	3.2	113	1.1	1.1	1.1	e0.79
21	4.4	3.4	e2.5	e2.2	e3.5	e3.6	3.5	65	1.5	1.2	1.0	e0.77
22	6.8	e3.4	e2.4	e2.3	e3.6	e3.7	3.3	39	2.0	1.1	0.94	e1.1
23	32	3.5	e2.3	e2.4	e3.7	e3.6	7.5	23	1.9	1.0	1.3	e1.3
24	14	3.7	e2.4	e2.6	e3.8	e4.2	5.2	14	1.7	1.2	2.0	e1.7
25	7.0	4.3	e3.0	e2.7	e3.8	e4.1	3.5	24	1.3	1.8	1.5	e1.5
26	5.5	4.3	e3.3	e2.5	e3.9	3.9	2.5	19	1.5	2.0	2.2	e1.5
27	4.7	3.2	e3.4	e2.4	e3.9	3.8	2.4	14	4.0	2.0	2.8	e1.5
28	4.5	e3.4	e3.5	e2.2	e4.0	3.7	2.2	14	4.3	1.8	3.9	e1.6
29	21	e3.7	e3.1	e2.1	---	4.3	2.2	9.5	5.1	1.5	3.8	e1.2
30	27	3.8	e3.0	e2.4	---	3.6	2.2	10	4.7	1.1	3.0	e1.2
31	24	---	e2.8	e2.7	---	3.0	---	12	---	0.92	2.0	---
TOTAL	194.25	190.4	98.3	63.90	91.9	121.2	80.1	2,775.0	168.2	50.41	50.00	25.63
MEAN	6.27	6.35	3.17	2.06	3.28	3.91	2.67	89.5	5.61	1.63	1.61	0.85
MAX	32	15	4.2	2.8	4.0	4.6	7.5	741	21	3.7	3.9	1.7
MIN	0.85	3.2	2.3	0.80	2.7	3.0	1.7	4.5	1.1	0.92	0.80	0.36
AC-FT	385	378	195	127	182	240	159	5,500	334	100	99	51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2005, BY WATER YEAR (WY)

MEAN	54.2	12.5	6.63	7.21	80.1	330	196	320	244	92.4	40.3	29.0
MAX	876	103	34.9	59.7	1,112	2,121	1,198	1,894	1,107	961	537	244
(WY)	(1972)	(1972)	(1972)	(1974)	(1996)	(1978)	(1971)	(1978)	(1967)	(1905)	(1906)	(1905)
MIN	0.29	0.00	0.00	0.00	0.00	1.95	1.97	1.12	0.11	0.00	0.00	0.61
(WY)	(1905)	(1905)	(1905)	(1905)	(1969)	(1992)	(1981)	(1992)	(1961)	(1961)	(1904)	(1958)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1904-1905,1957-2005	
ANNUAL TOTAL	9,992.75		3,909.29		^a 118	
ANNUAL MEAN	27.3		10.7		492	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					4.68	
HIGHEST DAILY MEAN	783	Aug 6	741	May 16	8,560	Mar 24, 1978
LOWEST DAILY MEAN	0.06	Aug 1	0.36	Sep 16	^b 0.00	Jul 31, 1904
ANNUAL SEVEN-DAY MINIMUM	0.15	Jul 26	0.46	Sep 11	0.00	Jul 31, 1904
MAXIMUM PEAK FLOW			834	May 16	9,420	Mar 24, 1978
MAXIMUM PEAK STAGE			6.32	May 16	16.90	Mar 24, 1978
ANNUAL RUNOFF (AC-FT)	19,820		7,750		85,520	
10 PERCENT EXCEEDS	78		9.3		220	
50 PERCENT EXCEEDS	3.6		3.0		9.5	
90 PERCENT EXCEEDS	1.1		1.0		1.2	

- a Median of annual mean discharges, 98 ft³/s.
- b No flow at times in some years.
- e Estimated.

