

MINNESOTA RIVER BASIN

05292704 NORTH FORK YELLOW BANK RIVER NEAR ODESSA, MN

LOCATION.--Lat 45° 11'21", long 96° 24'54", in NW¼NW¼ SW¼ sec. 22, T. 120 N., R. 46 W., Lac qui Parle County, Hydrologic Unit 07020001, on left bank at upstream side of County Highway 87 bridge, 11.0 mi. east-southeast of Milbank, S.D., 6.4 mi southwest of Odessa, and 2.9 mi. upstream from mouth.

DRAINAGE AREA.-- 208 mi².

PERIOD OF RECORD.-- May 1991 to current year.

GAGE.-- Water-stage recorder and crest-stage gage. Elevation of gage is 1020 ft above mean sea level (from topographic map).

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP							
1	9.8	e60	e10	e10	e8.5	e10	4100	123	37
23	16	28							
2	8.6	e50	e9.0	e11	e9.0	e10	3220	118	38
43	15	23							
3	8.2	41	e9.0	e11	e9.0	e10	2280	131	37
28	14	19							
4	7.5	35	e10	e11	e9.0	e10	1750	157	36
22	13	18							
5	7.6	31	e10	e10	e9.0	e9.0	2090	129	34
19	12	17							
6	7.2	27	e10	e9.0	e9.0	e8.0	e3000	117	33
17	14	15							
7	7.0	25	e10	e9.0	e8.0	e9.0	1980	157	32
19	13	14							
8	7.3	25	e10	e9.0	e8.0	e9.0	1520	109	30
21	13	14							
9	7.4	22	e10	e9.0	e8.0	e9.5	1190	101	28
19	13	14							
10	7.1	e20	e11	e8.5	e8.0	e9.5	907	96	27
18	13	14							
11	7.4	e19	e11	e8.5	e8.0	e10	654	88	26
16	12	13							
12	8.1	e17	e11	e8.5	e7.0	e10	586	82	24

IN.	.10	.11	.05	.05	.04	2.34	5.24	.44	.13
.11	.09	.07							

o e Estimated.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP							
MEAN	71.2	34.4	16.1	11.1	40.3	247	330	107	112
180	53.2	24.4							
MAX	342	122	32.7	19.5	166	422	977	267	212
501	134	72.5							
(WY)	1996	1996	1996	1996	1996	1997	1997	1995	1992
1993	1991	1995							
MIN	3.98	5.59	5.79	6.28	5.55	36.9	21.8	9.14	24.0
15.4	8.81	6.23							
(WY)	1993	1992	1992	1993	1993	1992	1992	1992	1997
1996	1996	1992							

<i>SUMMARY STATISTICS</i>	<i>FOR 1996 CALENDAR YEAR</i>	<i>FOR 1997 WATER YEAR</i>	<i>WATER YEARS 1991 - 1997</i>	
ANNUAL TOTAL	27427.8	49032.5		
ANNUAL MEAN	74.9	134		102
HIGHEST ANNUAL MEAN				
134	1997			
LOWEST ANNUAL MEAN				
39.8	1992			
HIGHEST DAILY MEAN	1200	Mar 14	4210	Mar 31
31	1997			
LOWEST DAILY MEAN	3.9	Sep 18	5.2	Sep 30
Dec 3	1991			
ANNUAL SEVEN-DAY MIN	4.5	Sep 14	6.7	Sep 24
30	1991			
INSTANTANEOUS PEAK FLOW			4670	Mar 31
31	1997			
INSTANTANEOUS PEAK STAGE			18.02a	Mar 29
29	1997			
ANNUAL RUNOFF (AC-FT)	54400	97260		74030
ANNUAL RUNOFF (CFSM)	.36	.65		.49
ANNUAL RUNOFF (INCHES)	4.91	8.77		6.68
10 PERCENT EXCEEDS	216	134		238
50 PERCENT EXCEEDS	20	14		23
90 PERCENT EXCEEDS	7.0	8.0		6.5

o a Backwater from ice.