

05292704 NORTH FORK YELLOW BANK RIVER NEAR ODESSA, MN

LOCATION.--Lat 45°11'21", long 96°24'54", in NW¹/₄ NW¹/₄ SW¹/₄ sec.22, T.120 N., R.46 W., Lac qui Parle County, Hydrologic Unit 07020001, on left bank at upstream side of County Highway #7 bridge, 11.0 mi east-southeast of Milbank, SD, 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 1,020 ft above sea level, from topographic map.

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

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	2.6	3.4	4.9	e4.0	e5.8	e45	12	15	9.1	2.6	1.3	.36
2	2.9	3.6	5.0	e3.8	e6.5	e40	11	15	8.6	5.1	1.2	.39
3	2.9	3.7	e5.0	e3.5	e8.0	e38	11	15	8.7	4.0	1.2	.52
4	2.8	3.6	e4.5	e3.0	e8.0	e32	11	14	10	2.8	1.2	.55
5	2.8	3.6	e4.8	e3.2	e7.8	e30	11	14	11	3.1	1.3	.57
6	2.7	3.9	e5.0	e4.0	e9.0	30	10	13	13	3.0	1.2	.79
7	2.6	4.0	e5.0	e5.0	e8.5	23	12	13	19	2.6	1.1	.74
8	2.6	4.1	e5.2	e6.0	e10	e18	9.1	18	16	2.3	1.1	.65
9	2.7	4.4	5.5	e6.0	e9.0	e15	8.9	18	13	2.2	.99	.56
10	2.6	4.4	6.2	e5.0	e8.0	e16	9.0	21	9.4	2.5	.89	.47
11	2.6	5.0	5.4	e4.0	e7.0	e17	9.3	28	8.1	3.3	.86	.39
12	2.6	5.0	5.4	e3.8	e7.2	e15	9.3	25	6.9	6.2	.79	.36
13	2.5	4.8	6.0	e4.0	e7.5	e15	9.7	23	6.9	4.8	.69	.32
14	2.7	4.7	e5.0	e4.0	e7.5	e13	9.5	22	6.8	3.5	.63	.30
15	2.7	4.6	e4.0	e4.3	e7.5	e11	9.7	20	6.4	3.2	.59	.29
16	3.0	4.4	e3.0	e4.5	e7.5	e11	10	18	6.1	4.9	.64	.27
17	2.7	4.5	e3.0	e4.5	e7.5	e11	11	17	5.9	6.7	.74	.25
18	5.2	4.6	e3.0	e4.5	e8.0	13	11	16	5.8	6.0	.85	.27
19	4.5	4.6	e3.0	e4.5	e8.0	15	12	14	5.2	6.0	.84	.29
20	3.5	4.7	e2.0	e4.5	e9.0	15	14	12	4.7	5.6	.69	.29
21	3.2	4.9	e2.2	e3.8	e10	13	18	11	4.0	4.5	.68	.31
22	3.0	4.9	e2.3	e3.8	e14	13	23	11	3.6	3.9	.65	.49
23	3.0	5.0	e2.5	e3.9	e17	13	21	11	3.6	3.1	.59	.97
24	3.1	4.9	e2.8	e4.0	e22	13	18	10	3.3	3.2	.54	.87
25	3.1	5.1	e3.0	e4.1	e28	14	16	8.9	3.8	3.2	.52	.66
26	3.1	5.0	e3.5	e4.1	e35	14	15	8.7	4.5	2.6	.52	.54
27	3.1	5.0	e4.0	e4.2	e42	14	15	9.2	3.4	2.1	.50	.49
28	3.0	e5.0	e4.5	e4.8	e50	14	15	8.8	3.3	1.9	.45	.49
29	3.4	e5.0	e5.0	e5.0	e45	13	14	8.5	3.1	1.7	.41	.55
30	3.5	5.1	e5.0	e5.0	---	12	14	8.7	2.9	1.6	.39	.44
31	3.7	---	e5.0	e5.2	---	12	---	8.6	---	1.4	.36	---
TOTAL	94.4	135.5	130.7	134.0	420.3	568	379.5	455.4	216.1	109.6	24.41	14.44
MEAN	3.05	4.52	4.22	4.32	14.5	18.3	12.6	14.7	7.20	3.54	.79	.48
MAX	5.2	5.1	6.2	6.0	50	45	23	28	19	6.7	1.3	.97
MIN	2.5	3.4	2.0	3.0	5.8	11	8.9	8.5	2.9	1.4	.36	.25
AC--FT	187	269	259	266	834	1130	753	903	429	217	48	29

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	52.4	31.3	15.8	9.07	41.5	184	250	95.8	83.4	133	27.8	18.9
MAX	342	122	32.7	19.5	166	422	977	267	212	501	107	72.5
(WY)	1996	1996	1996	1996	1996	1997	1997	1995	1992	1993	1995	1995
MIN	3.05	4.52	4.22	2.68	5.55	18.3	12.6	9.14	7.20	3.54	.79	.48
(WY)	2000	2000	2000	1999	1993	2000	2000	1992	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	13812.4		2682.35			
ANNUAL MEAN	37.8		7.33		78.6	
HIGHEST ANNUAL MEAN					134	
LOWEST ANNUAL MEAN					7.33	
HIGHEST DAILY MEAN	1340	Jun 10	50	Feb 28	4210	Mar 31 1997
LOWEST DAILY MEAN	1.5	Jan 25	.25	Sep 17	.25	Sep 17 2000
ANNUAL SEVEN-DAY MINIMUM	1.7	Jan 22	.28	Sep 14	.28	Sep 14 2000
INSTANTANEOUS PEAK FLOW			60	Feb 27	4670 ^a	Mar 31 1997
INSTANTANEOUS PEAK STAGE			4.63 ^b	Feb 27	18.02 ^b	Mar 29 1997
ANNUAL RUNOFF (AC-FT)	27400		5320		56980	
10 PERCENT EXCEEDS	91		15		161	
50 PERCENT EXCEEDS	7.1		4.8		18	
90 PERCENT EXCEEDS	2.6		.65		4.3	

a Gage height, 15.94 ft.
 b Backwater from ice.
 e Estimated.

