

05292704 NORTH FORK YELLOW BANK RIVER NEAR ODESSA, MN

LOCATION.--Lat 45°11'21", long 96°24'54", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.22, T.120 N., R.46 W., Lac qui Parle County, Hydrologic Unit 07020001, on left bank at upstream side of County Highway 87 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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	47	75	e5.0	e2.0	e200	55	33	19	47	7.3	3.4
2	2.6	39	67	e5.0	e2.5	e150	52	31	18	39	6.7	3.9
3	2.4	32	62	e5.0	e2.5	e130	51	29	17	29	6.4	4.1
4	4.4	28	58	e4.0	e2.5	e120	57	29	16	27	6.0	8.1
5	6.5	24	53	e4.0	e2.5	e110	66	30	17	26	5.5	61
6	4.7	22	49	e4.0	e2.5	e105	83	32	16	23	5.1	75
7	4.1	20	44	e4.0	e2.5	e100	173	67	15	21	4.7	53
8	7.3	19	43	e4.0	e4.0	e90	163	95	18	22	4.5	30
9	6.2	19	43	e3.0	e6.0	e80	116	104	173	20	4.8	18
10	5.6	20	42	e3.0	e20	e70	94	86	1340	18	5.1	13
11	5.6	e19	42	e3.0	e60	e60	93	73	913	17	4.6	10
12	5.6	e16	41	e3.0	e70	e60	123	64	406	15	4.3	8.0
13	6.7	14	42	e2.0	e80	e60	161	58	244	14	4.4	7.1
14	6.3	18	35	e2.0	e140	e65	128	53	144	13	3.9	6.0
15	6.8	34	32	e2.0	e100	e70	101	48	104	12	3.6	6.6
16	8.5	42	32	e2.0	e65	e80	87	54	87	13	3.5	6.5
17	40	44	31	e2.0	e45	e120	77	83	75	107	3.2	4.7
18	134	56	28	e2.0	e30	e150	71	129	62	144	3.3	4.1
19	123	e65	e20	e2.0	e25	e130	68	98	56	84	3.5	3.8
20	95	e100	e10	e2.0	e25	e110	63	76	53	49	3.2	3.1
21	73	e120	e8.5	e2.0	e20	e85	59	61	54	31	2.8	3.0
22	55	84	e8.5	e2.0	e20	69	54	50	50	25	2.7	3.0
23	42	78	e9.0	e2.0	e20	61	49	44	48	21	2.7	2.8
24	35	101	e9.0	e2.0	e20	55	45	39	45	17	2.6	2.6
25	29	118	e9.5	e1.5	e30	50	41	35	55	15	2.4	3.2
26	24	130	e10	e1.5	e50	45	38	32	43	15	2.2	4.5
27	23	121	e10	e1.5	e80	42	38	29	34	12	2.1	4.2
28	24	106	e10	e1.5	e150	49	37	26	36	11	2.9	4.8
29	28	94	e9.0	e2.0	---	51	37	23	35	10	3.1	4.0
30	35	81	e7.5	e2.0	---	57	35	21	51	9.2	4.1	3.2
31	49	---	e6.0	e2.0	---	53	---	19	---	8.7	4.0	---
TOTAL	894.5	1711	946.0	83.0	1077.0	2677	2315	1651	4244	914.9	125.2	364.7
MEAN	28.9	57.0	30.5	2.68	38.5	86.4	77.2	53.3	141	29.5	4.04	12.2
MAX	134	130	75	5.0	150	200	173	129	1340	144	7.3	75
MIN	2.2	14	6.0	1.5	2.0	42	35	19	15	8.7	2.1	2.6
AC-FT	1770	3390	1880	165	2140	5310	4590	3270	8420	1810	248	723

e Estimated

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1999, BY WATER YEAR (WY)

MEAN	58.6	34.6	17.2	9.67	45.0	205	280	106	92.9	149	31.1	21.2
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	3.98	5.59	5.79	2.68	5.55	36.9	21.8	9.14	24.0	13.2	4.04	2.57
(WY)	1993	1992	1992	1999	1993	1992	1992	1992	1997	1998	1999	1998

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1992 - 1999	
ANNUAL TOTAL	17346.7		17003.3			
ANNUAL MEAN	47.5		46.6		87.6	
HIGHEST ANNUAL MEAN					134	
LOWEST ANNUAL MEAN					39.8	
HIGHEST DAILY MEAN	791	Apr 9	1340	Jun 10	4210	Mar 31 1997
LOWEST DAILY MEAN	1.6	Sep 21	1.5	Jan 25-28	1.5	Jan 25 1999
ANNUAL SEVEN-DAY MINIMUM	1.9	Sep 17	1.7	Jan 22	1.7	Jan 22 1999
INSTANTANEOUS PEAK FLOW			1750	Jun 10	4670 ^a	Mar 31 1997
INSTANTANEOUS PEAK STAGE			12.76	Jun 10	18.02 ^b	Mar 29 1997
ANNUAL RUNOFF (AC-FT)	34410		33730		63450	
10 PERCENT EXCEEDS	107		102		182	
50 PERCENT EXCEEDS	19		28		21	
90 PERCENT EXCEEDS	3.4		2.8		5.5	

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

