

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 September 30, 2003 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,020 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite data-collection platform at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	3.9	e4.3	e4.5	e0.12	0.00	19	13	10	1.7	0.16	0.01
2	0.82	4.0	e4.0	e4.5	e0.10	0.00	19	13	10	1.5	0.12	0.01
3	0.92	3.8	e4.0	e5.0	e0.08	0.00	18	12	9.2	1.2	0.11	0.01
4	1.9	3.7	e4.0	e5.0	e0.06	0.00	17	12	7.8	1.1	0.12	0.01
5	2.3	3.7	e4.0	e4.5	e0.08	0.00	15	13	7.4	1.1	0.12	0.01
6	2.1	3.7	e4.5	e4.5	e0.06	0.00	13	13	7.6	0.93	0.12	0.01
7	1.8	3.8	e4.3	e5.0	e0.06	0.00	13	14	7.9	0.80	0.09	0.01
8	1.8	3.7	e4.4	e4.5	e0.05	0.00	12	15	7.4	0.65	0.08	0.01
9	1.6	3.7	e5.0	e4.0	e0.05	0.00	12	18	8.2	0.86	0.08	0.01
10	1.9	3.7	e4.5	e2.0	e0.05	0.00	11	20	8.8	0.83	0.11	0.15
11	1.9	4.0	e4.5	e1.0	e0.04	0.00	11	35	8.4	0.77	0.19	0.11
12	1.7	4.0	e4.8	e0.79	e0.04	e0.00	11	30	7.8	0.78	0.35	0.05
13	1.5	4.1	e5.0	e0.79	e0.03	e0.01	11	27	7.1	0.59	0.12	0.01
14	1.3	3.9	e5.0	e0.61	e0.03	e1.0	11	28	5.8	0.54	0.09	0.01
15	1.3	e3.9	e5.5	e0.58	e0.02	e10	11	28	5.3	0.55	0.07	0.01
16	1.4	e4.0	e5.5	e0.40	e0.02	e75	12	28	4.8	0.47	0.07	0.01
17	2.0	e4.0	e5.5	e0.40	e0.02	e100	14	25	3.9	0.47	0.06	0.02
18	2.0	e4.0	e7.0	e0.32	e0.02	e80	13	23	3.5	0.45	0.05	0.14
19	1.7	4.0	e6.0	e0.32	e0.03	e65	19	22	2.9	0.35	0.04	0.06
20	1.6	4.2	e5.5	e0.22	e0.04	e50	24	20	2.6	0.88	0.06	0.04
21	2.3	4.5	e5.0	e0.22	e0.02	e48	31	21	2.3	1.1	0.03	0.06
22	2.1	4.5	e4.0	e0.22	e0.01	e43	24	19	2.3	0.80	0.01	0.04
23	2.2	e4.2	e3.5	e0.14	e0.01	e40	22	18	2.3	0.73	0.02	0.01
24	2.9	e4.1	e3.5	e0.14	e0.00	e38	19	18	2.9	0.53	0.01	0.01
25	3.0	e4.0	e3.5	e0.12	e0.00	e33	17	18	3.7	0.49	0.02	0.01
26	2.6	e3.9	e3.8	e0.08	e0.00	e31	15	18	3.5	0.40	0.02	0.01
27	2.8	e3.9	e4.0	e0.12	e0.00	30	14	16	2.5	0.25	0.01	0.01
28	3.0	e3.9	e4.5	e0.10	e0.00	29	13	15	2.2	0.23	0.05	0.01
29	2.9	e5.0	e5.0	e0.08	---	25	13	15	2.1	0.21	0.04	0.01
30	e3.1	e4.5	e5.0	e0.09	---	21	13	14	2.3	0.18	0.01	0.01
31	3.6	---	e4.8	e0.10	---	20	---	11	---	0.18	0.01	---
TOTAL	62.92	120.3	143.9	50.34	1.04	739.01	467	592	162.5	21.62	2.44	0.88
MEAN	2.03	4.01	4.64	1.62	0.037	23.8	15.6	19.1	5.42	0.70	0.079	0.029
MAX	3.6	5.0	7.0	5.0	0.12	100	31	35	10	1.7	0.35	0.15
MIN	0.82	3.7	3.5	0.08	0.00	0.00	11	11	2.1	0.18	0.01	0.01
AC-FT	125	239	285	100	2.1	1,470	926	1,170	322	43	4.8	1.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	40.0	24.6	12.7	7.41	35.8	149	275	85.1	76.6	101	21.3	14.5
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	0.94	2.42	0.57	0.34	0.037	9.73	12.7	9.14	5.42	0.70	0.079	0.029
(WY)	(2001)	(2001)	(2001)	(2001)	(2003)	(2001)	(2000)	(1992)	(2003)	(2003)	(2003)	(2003)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	9,667.41		2,363.95		^a 70.2	
ANNUAL MEAN	26.5		6.48		134	
HIGHEST ANNUAL MEAN					6.48	
LOWEST ANNUAL MEAN					1997	
HIGHEST DAILY MEAN	1,100	Mar 31	100	Mar 17	5,000	Apr 8, 2001
LOWEST DAILY MEAN	0.51	Sep 23	0.00	Feb24-Mar.11	0.00	Feb 24, 2003
ANNUAL SEVEN-DAY MINIMUM	0.56	Sep 18	0.00	Feb 24	0.00	Feb 24, 2003
MAXIMUM PEAK FLOW			150	Mar 17	^b 6,840	Apr 8, 2001
MAXIMUM PEAK STAGE			^c 6.83	Mar 17	^c 18.02	Mar 29, 1997
ANNUAL RUNOFF (AC-FT)	19,180		4,690		50,860	
10 PERCENT EXCEEDS	60		19		140	
50 PERCENT EXCEEDS	4.8		2.3		14	
90 PERCENT EXCEEDS	0.86		0.01		1.7	

- a Median of annual mean discharges, 72 ft³/s.
- b Gage height, 16.72 ft, backwater from ice.
- c Backwater from ice.
- e Estimated.

