

MINNESOTA RIVER BASIN

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 May 6-11 and June 10-14, which are fair, and 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	3.7	e1.5	e.11	e.32	e1.0	e60	147	57	28	7.5	2.3
2	.59	2.9	e1.4	e.10	e.38	e1.0	e75	127	70	27	7.0	2.1
3	.59	1.8	e1.3	e.13	e.48	e1.0	e95	111	69	26	6.6	2.0
4	.65	1.5	e1.2	e.18	e.60	e.80	e150	101	63	25	6.3	2.1
5	.67	1.3	e1.1	e.22	e.68	e.80	e230	96	55	21	5.9	2.0
6	.71	1.6	e1.0	e.25	e.65	e1.0	e320	117	51	20	5.3	2.0
7	.73	2.6	e1.0	e.25	e.50	e1.2	e1600	427	47	18	5.0	2.1
8	.86	2.4	e1.0	e.25	e.50	e1.2	e5000	449	46	16	4.7	3.1
9	.80	1.8	e1.0	e.22	e.50	e1.2	2340	196	41	15	4.2	2.6
10	.82	2.2	e.90	e.25	e.50	e1.5	1450	128	236	13	3.8	2.4
11	.89	2.9	e.60	e.32	e.50	e2.0	1390	97	594	12	3.6	2.1
12	.82	3.6	e.50	e.40	e.50	e3.0	2650	79	386	12	3.6	2.1
13	.80	e3.7	e.45	e.40	e.50	e4.0	2310	69	243	12	3.3	2.0
14	.84	e3.8	e.42	e.40	e.55	e5.0	1100	66	482	11	3.3	2.4
15	.88	e3.9	e.42	e.40	e.57	e5.0	791	60	510	11	3.3	3.2
16	.96	e3.1	e.42	e.40	e.60	e6.0	618	52	327	10	3.2	3.4
17	1.1	2.8	e.42	e.40	e.60	e7.0	418	48	227	11	4.0	3.4
18	.98	2.8	e.40	e.35	e.62	e9.0	328	46	176	10	3.3	3.1
19	1.1	2.7	e.40	e.35	e.65	e10	298	46	156	9.6	3.0	2.8
20	1.0	e2.5	e.35	e.35	e.60	e10	289	47	138	13	3.0	2.8
21	.96	e2.3	e.25	e.35	e.55	e10	294	49	112	14	2.9	3.2
22	.97	e2.2	e.22	e.38	e.55	e10	372	56	94	8.7	2.9	3.9
23	1.1	e2.0	e.18	e.42	e.57	e10	1570	60	79	8.5	3.0	6.7
24	1.0	e2.0	e.16	e.42	e.60	e10	2060	59	67	8.0	3.2	5.8
25	1.3	e1.9	e.16	e.45	e.60	e10	897	56	59	7.6	3.6	4.7
26	1.2	e1.9	e.16	e.45	e.60	e15	476	54	49	7.7	3.1	4.4
27	1.1	e1.9	e.16	e.47	e.62	e20	322	53	43	8.5	2.8	4.2
28	1.1	e1.7	e.16	e.47	e.75	e25	246	56	38	10	2.5	4.2
29	1.3	e1.6	e.15	e.46	---	e30	201	53	34	9.1	2.5	4.3
30	1.5	e1.5	e.15	e.42	---	e40	172	50	32	9.4	2.3	4.3
31	1.4	---	e.13	e.40	---	e50	---	50	---	8.8	2.3	---
TOTAL	29.17	72.6	17.66	10.42	15.64	301.70	28122	3105	4581	420.9	121.0	95.7
MEAN	.94	2.42	.57	.34	.56	9.73	937	100	153	13.6	3.90	3.19
MAX	1.5	3.9	1.5	.47	.75	50	5000	449	594	28	7.5	6.7
MIN	.45	1.3	.13	.10	.32	.80	60	46	32	7.6	2.3	2.0
AC--FT	58	144	35	21	31	598	55780	6160	9090	835	240	190

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	47.2	28.4	14.2	8.20	37.5	167	319	96.3	90.3	121	25.4	17.3
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	.94	2.42	.57	.34	.56	9.73	12.6	9.14	7.20	3.54	.79	.48
(WY)	2001	2001	2001	2001	2001	2001	2000	1992	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1992 - 2001
ANNUAL TOTAL	2441.18	36892.79	
ANNUAL MEAN	6.67	101	80.9a
HIGHEST ANNUAL MEAN			134
LOWEST ANNUAL MEAN			7.33
HIGHEST DAILY MEAN	50 Feb 28	5000 Apr 8	5000 Apr 8 2001
LOWEST DAILY MEAN	.13 Dec 31	.10 Jan 2	.10 Jan 2 2001
ANNUAL SEVEN-DAY MINIMUM	.15 Dec 25	.13 Dec 28	.13 Dec 28 2000
MAXIMUM PEAK FLOW		6840 Apr 8	6840 Apr 8 2001
MAXIMUM PEAK STAGE		16.72b Apr 8	18.02b Mar 29 1997
ANNUAL RUNOFF (AC-FT)	4840	73180	58600
10 PERCENT EXCEEDS	15	184	163
50 PERCENT EXCEEDS	3.8	3.1	17
90 PERCENT EXCEEDS	.45	.40	3.0

a Median for annual mean discharges, 98 ft³/s.
 b Backwater from ice.
 e Estimated.

