05067500 MARSH RIVER NEAR SHELLY, MN

LOCATION.--Lat $47^{\circ}24'45^{\circ}$, long $96^{\circ}45'50^{\circ}$, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T.145 N., R.48W., Norman County, Hydrologic Unit 09020107, on left bank, 10 ft downstream of County Road 129 bridge, 3.8 mi southeast of Shelly and 10 mi upstream from mouth.

DRAINAGE AREA. -- 220 mi².

IN.

.03

PERIOD OF RECORD.--March 1944 to September 1983 and April 1985 to current year (no winter records since 1989). Monthly discharge only for March 1944, published in WSP 1308. Operated as a high-flow partial-record station October 1983 to March 1985.

GAGE.--Water-stage recorder. Datum of gage is 841.14 ft above sea level (NGVD of 1929, levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1965, nonrecording gage at datum 3.0 ft higher. Oct. 1, 1965 to May 17, 1989, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Large part of high flow of Wild Rice River diverted into Marsh River basin at overflow section 4.6 mi east of Ada. Another diversion from Wild Rice River basin formed in 1947, 1.5 mi southeast of Ada and diverted water at all stages 1947- 51, after which it was closed except for a small regulated flow diverted for abatement of pollution from Ada sewage plant effluent.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001 DAILY MEAN VALUES DAY OCT DEC FEB MAR JUN JUL AUG SEP NOV JAN APR MAY 1.5 1.2 . 20 17 ---163 52 18 2.2 OΩ 2 ---___ ---47 .32 29 ---20 5.1 186 .00 .27 267 42 19 1.1 .00 1.2 4 5 .41 5,0 ___ ___ ___ ___ 377 37 16 .00 ------12 .36 68 512 34 1.6 .00 e.00 6 7 .32 70 ---___ ___ ___ 686 35 11 94 141 ------------38 11 1.3 1060 .52 e.62 .35 8 365 1680 44 10 1.1 e3.0 .42 8.9 7.8 433 ___ ___ ___ ___ 2120 57 1.1 1.3 e18 10 2350 329 58 .74 19 e20 6.7 11 28 235 ___ ___ ___ ___ 2300 49 .43 104 e10 171 ------.22 12 .32 ---2130 42 4.6 88 e6.6 .35 e1700 4.0 .09 14 3.4 105 ___ ___ ___ ___ e1200 31 4.3 .12 31 e2.0 15 11 27 .15 19 e800 e15 e1.2 16 17 ___ ---___ ___ ___ e500 25 19 60 10 e 92 17 15 ---21 e340 16 .51 4.6 e.86 18 12 --e320 17 15 .29 2.3 e.80 ___ ___ ___ ___ 19 13 ___ e280 15 13 16 1.3 e.74 13 20 e260 13 13 .64 e.76 21 12 ___ ___ ___ ___ ___ e230 13 11 1 1 e 72 13 22 -----------e200 1.6 10 11 10 .00 e.68 .00 23 7.1 -----e190 12 8.4 1.8 e.60 ___ ---___ ___ 24 6.0 --e170 13 6.7 1.3 .00 e.52 ___ ___ ___ 7.8 26 8.9 e140 .00 ------------4.3 1.4 e.44 27 10 ___ ------___ ---116 8.2 3.0 e.42 28 12 ---------------89 13 2.6 1.2 .00 e.38 .87 10 ___ ---___ ___ 71 2.5 29 ---18 .00 e.36 30 9.3 ------------___ 59 2.0 ------------31 11 ------17 1.6 .00 TOTAL 192.42 20646 861.0 299.8 28.90 351.42 74.24 6.21 ---------------9.99 .93 1.8 2.47 MEAN 688 27.8 11.3 58 2350 104 MAX 7.8 ---MIN .20 ---------59 2.0 .09 .00 AC-FT 382 ------------40950 1710 595 57 697 147 CFSM .03 3.13 .05 .00 .05 .01

3.49

.15

.05

.00

.01

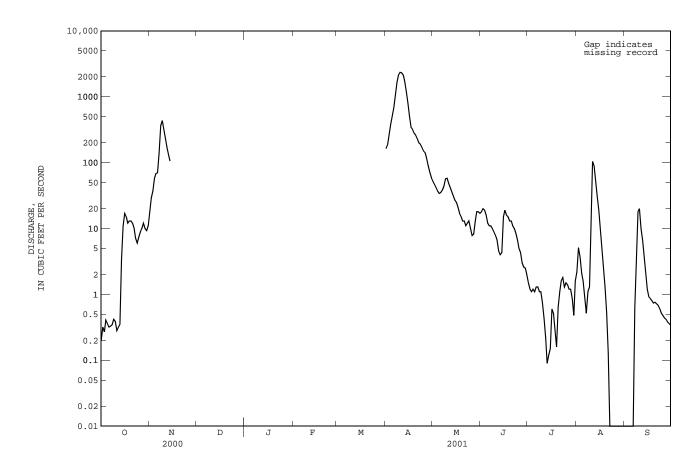
RED RIVER OF THE NORTH BASIN--Continued

05067500 MARSH RIVER NEAR SHELLY, MN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

OCT NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN 13.4 11.0 MAX 130 102 (WY) 1952 1952 MIN .000 .000 (WY) 1955 1956	77.1 1951 .000	3.79 64.5 1951 .000 1946	3.29 62.1 1951 .000 1946	77.5 437 1945 .000 1964	306 1537 1950 .078 1981	125 2617 1950 .87 1980	85.7 1030 1950 .000 1980	820 1950 .000	18.6 363 1949 .000 1959	12.6 144 1944 .000 1954
SUMMARY STATISTICS	FOR 200	0 CALEND	AR YEAR	FOR	2001 WAT	TER YEAR		WATER YEAR	S 1944	- 2001
ANNUAL MEAN HIGHEST ANNUAL MEAN LOWEST ANNUAL MEAN HIGHEST DAILY MEAN LOWEST DAILY MEAN ANNUAL SEVEN-DAY MINIMUM MAXIMUM PEAK STAGE ANNUAL RUNOFF (AC-FT) ANNUAL RUNOFF (INCHES)		.00 .00	Jun 25 Sep 10 Sep 10		2350 .00k .00 2380 19.24	Aug 22 Aug 22 Apr 10		63.3 543a 1.24 4740 .00c .00 4880d 25.45f 45850 .29 3.91	Sep Sep 1 Apr 1	1950 1977 9 1979 4 1945 2 1945 9 1979 8 1997
10 PERCENT EXCEEDS 50 PERCENT EXCEEDS 90 PERCENT EXCEEDS		108 9.5 .33			230 8.6 .22			117 1.5		

Based on complete years only, 1945-83, 86-89.



a b c d Many days.
Many days, most years.
Gage-height, 22.36 ft., from floodmark.
Estimated.
From floodmark.