

RED RIVER OF THE NORTH BASIN--Continued

05064000 WILD RICE RIVER AT HENDRUM, MN

LOCATION.--Lat 47°16'05", long 96°47'50", in SE¹/₄SE¹/₄ sec. 19, T.144 N., R.48 W., Norman County, Hydrologic Unit 09020108, on right bank 30 ft downstream from County Highway 25 bridge, 0.5 mi east of Hendrum and 4 mi upstream from mouth.

DRAINAGE AREA.--1,560 mi².

PERIOD OF RECORD.--March 1944 to September 1984 and May 1985 to current year. Operated as a high-flow partial-record station October 1984 to April 1985.

REVISED RECORDS.--WSP 1728: 1958.

GAGE.--Water-stage recorder. Datum of gage is 836.75 ft above sea level (NGVD of 1929, levels by U.S. Army Corps of Engineers). Prior to July 18, 1989, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Large part of high flow diverted into Marsh River Basin at overflow section 3.5 mi east of Ada. Another diversion into the Marsh 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 contamination from Ada sewage plant effluent. Amount of diversion not known.

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	236	646	e610	e270	e215	e200	e550	e2800	1310	397	289	144
2	238	763	e590	e265	e215	e200	e850	e2600	1290	378	307	143
3	249	970	e560	e265	e215	e200	e1300	e2500	1280	358	310	139
4	239	1160	e530	e265	e215	e200	e1500	e2300	1270	338	261	135
5	240	1220	e510	e265	e210	e200	e2300	e2200	1250	322	227	131
6	236	1260	e500	e265	e210	e200	e3400	e2100	1200	307	205	130
7	235	1680	e480	e265	e210	e205	e5000	1970	1130	301	189	144
8	238	2420	e475	e265	e205	e205	7100	2160	1070	288	193	155
9	234	2910	e460	e260	e205	e205	8480	2160	1020	278	309	175
10	230	3020	e450	e260	e205	e205	9470	2050	974	263	1060	219
11	228	2780	e440	e260	e205	e205	e9000	1840	920	252	1430	213
12	222	2400	e430	e255	e205	e205	e8300	1560	890	242	1060	191
13	225	2020	e420	e255	e205	e200	e7800	1340	921	231	748	175
14	239	1790	e400	e250	e205	e200	e7100	1170	946	224	527	167
15	311	e1550	e380	e250	e205	e200	e6400	1040	892	221	410	162
16	579	e1350	e360	e245	e210	e200	e5600	930	889	210	353	157
17	768	e1180	e355	e240	e210	e200	e5100	875	885	210	321	152
18	700	1020	e335	e240	e210	e200	e4800	829	861	204	306	148
19	623	880	e330	e240	e210	e205	e4600	797	824	197	267	145
20	587	884	e320	e235	e210	e205	e4400	782	785	219	243	143
21	547	846	e315	e235	e210	e205	e4200	760	761	252	232	144
22	515	e780	e310	e235	e210	e205	e4000	760	736	299	215	146
23	494	e760	e300	e235	e210	e210	e3800	792	700	359	199	145
24	478	e740	e295	e230	e210	e215	e3600	836	657	356	188	147
25	473	e730	e290	e230	e205	e220	e3500	944	608	313	179	145
26	462	e715	e280	e225	e205	e235	e3400	1030	567	286	171	145
27	472	e700	e275	e225	e205	e240	e3300	1070	529	265	163	145
28	507	e680	e275	e225	e205	e260	e3200	1140	487	241	159	141
29	555	e660	e270	e220	---	e290	e3000	1270	449	218	155	136
30	593	e640	e270	e220	---	e340	e2900	1320	425	206	151	135
31	600	---	e270	e215	---	e420	---	1320	---	227	146	---
TOTAL	12553	39154	12085	7610	5840	6880	137950	45245	26526	8462	10973	4597
MEAN	405	1305	390	245	209	222	4598	1460	884	273	354	153
MAX	768	3020	610	270	215	420	9470	2800	1310	397	1430	219
MIN	222	640	270	215	205	200	550	760	425	197	146	130
AC-FT	24900	77660	23970	15090	11580	13650	273600	89740	52610	16780	21760	9120
CFSM	.26	.84	.25	.16	.13	.14	2.95	.94	.57	.17	.23	.10
IN.	.30	.93	.29	.18	.14	.16	3.29	1.08	.63	.20	.26	.11

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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	144	148	84.1	60.8	68.7	335	1248	667	497	408	165	138
MAX	744	1305	390	245	767	1485	5115	2137	2507	3136	1833	1329
(WY)	1972	2001	2001	2001	1998	1966	1997	1998	2000	1975	1993	1999
MIN	.44	3.32	1.08	.092	.22	.46	106	56.1	9.15	8.82	1.07	.18
(WY)	1949	1949	1977	1977	1977	1949	1981	1977	1952	1951	1977	1948

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1944 - 2001
ANNUAL TOTAL	255031	317875	
ANNUAL MEAN	697	871	324a
HIGHEST ANNUAL MEAN			871
LOWEST ANNUAL MEAN			28.9
HIGHEST DAILY MEAN	8010	9470	10300
LOWEST DAILY MEAN	105	130	.00b
ANNUAL SEVEN-DAY MINIMUM	108	138	.00
MAXIMUM PEAK FLOW		9720c	10600c
MAXIMUM PEAK STAGE		31.62d	33.85d
ANNUAL RUNOFF (AC-FT)	505900	630500	234800
ANNUAL RUNOFF (CFSM)	.45	.56	.21
ANNUAL RUNOFF (INCHES)	6.08	7.58	2.82
10 PERCENT EXCEEDS	1140	2180	790
50 PERCENT EXCEEDS	365	306	101
90 PERCENT EXCEEDS	155	190	17

- a Median of annual mean discharges is 282 ft³/s.
- b Many days, Sep.- Oct. 1948.
- c From measurement of discharge.
- d Backwater from Red River of the North.
- e Estimated.

