

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	558	e325	e280	e205	e130	e880	734	440	273	5090	250	224
2	527	322	e290	e200	e130	e930	709	434	281	4100	237	288
3	500	321	e290	e200	e125	e970	702	437	272	2820	227	388
4	479	314	e280	e195	e125	e1000	806	425	263	1740	221	472
5	459	308	e270	e195	e125	e1030	839	400	261	1580	209	568
6	442	311	e255	e190	e120	e1030	762	383	254	1500	203	483
7	436	317	e245	e190	e120	e1050	798	367	242	1280	196	398
8	429	312	e245	e185	e120	e1050	823	363	229	1130	190	360
9	411	309	e260	e185	e115	e1050	740	379	214	1030	182	338
10	416	313	e270	e180	e115	e1030	664	410	201	945	176	318
11	417	316	e270	e175	e115	e980	646	424	193	841	170	288
12	421	315	e270	e175	e115	e900	626	414	182	763	164	264
13	410	312	e260	e170	e115	e830	614	405	175	700	160	247
14	394	308	e245	e170	e115	e770	613	409	185	639	163	232
15	386	309	e230	e165	e110	e720	602	402	204	580	180	218
16	380	315	e215	e165	e110	e660	611	390	277	529	255	209
17	376	317	e200	e160	e110	e600	617	373	453	482	309	200
18	375	308	e190	e155	e110	e580	635	372	549	441	274	194
19	365	302	e200	e155	e110	e620	635	358	531	410	243	187
20	361	303	e230	e155	e110	e710	621	337	2110	389	247	183
21	374	310	e240	e155	e105	e980	594	321	4410	368	254	180
22	381	303	e240	e150	e105	e1050	561	307	5560	348	257	187
23	404	302	e235	e150	e105	e950	533	303	6790	330	248	219
24	381	298	e230	e150	e110	1090	513	295	7540	311	245	297
25	358	289	e220	e145	e140	1540	503	282	7890	296	233	370
26	345	e285	e215	e145	e190	1780	487	269	8010	294	218	344
27	340	e285	e215	e140	e400	1550	484	252	7830	291	210	300
28	335	e280	e215	e140	e700	1260	482	238	7340	289	200	282
29	332	e280	e210	e135	e800	1050	462	234	6630	288	191	264
30	327	e275	e210	e135	---	904	448	244	5850	269	186	247
31	327	---	e205	e130	---	796	---	263	---	256	185	---
TOTAL	12446	9164	7430	5145	5000	30340	18864	10930	75199	30329	6683	8749
MEAN	401	305	240	166	172	979	629	353	2507	978	216	292
MAX	558	325	290	205	800	1780	839	440	8010	5090	309	568
MIN	327	275	190	130	105	580	448	234	175	256	160	180
AC-FT	24690	18180	14740	10210	9920	60180	37420	21680	149200	60160	13260	17350
CFSM	.26	.20	.15	.11	.11	.63	.40	.23	1.61	.63	.14	.19
IN.	.30	.22	.18	.12	.12	.72	.45	.26	1.79	.72	.16	.21

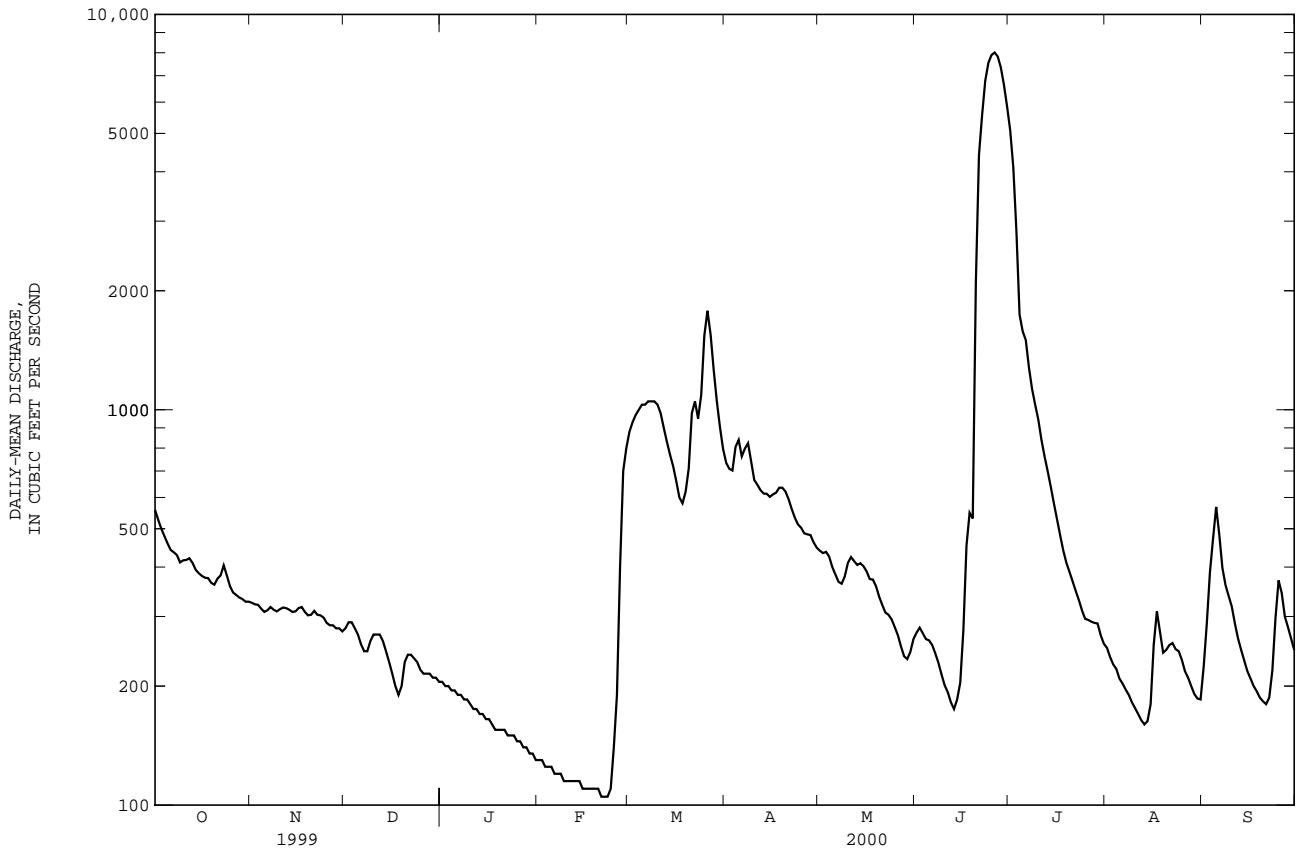
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	139	127	78.5	57.4	66.1	337	1188	653	490	410	162	138
MAX	744	784	252	188	767	1485	5115	2137	2507	3136	1833	1329
(WY)	1972	1972	1999	1998	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

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	317211		220279		314 ^a	
ANNUAL MEAN	869		602		857	
HIGHEST ANNUAL MEAN					28.9	
LOWEST ANNUAL MEAN					10300	
HIGHEST DAILY MEAN	4040	May 13	8010	Jun 26	Apr 18 1997	
LOWEST DAILY MEAN	129	Feb 22	105	Feb 21	.00 ^b Sep 13 1948	
ANNUAL SEVEN-DAY MINIMUM	133	Feb 19	108	Feb 17	.00 Sep 27 1948	
INSTANTANEOUS PEAK FLOW			8040	Jun 26	10600 ^c Apr 18 1997	
INSTANTANEOUS PEAK STAGE			29.56	Jun 26	33.85 ^d Apr 18 1997	
ANNUAL RUNOFF (AC-FT)	629200		436900		227600	
ANNUAL RUNOFF (CFSM)	.56		.39		.20	
ANNUAL RUNOFF (INCHES)	7.56		5.25		2.74	
10 PERCENT EXCEEDS	2300		973		767	
50 PERCENT EXCEEDS	541		308		98	
90 PERCENT EXCEEDS	144		155		17	

- a Median of annual mean discharges is 280 ft³/s.
- b Many days, Sep.-Oct., 1948.
- c From measurement of discharge.
- d Backwater from Red River of the North.
- e Estimated.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1962-63, 1967-68, 1995-80, 1991, 1994, 1997 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (00076)	BARO-METRIC PRES-SURE OF (MM HG) (00025)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
SEP 14...	0915	221	8.3	15.0	45	745	64	99