

RED RIVER OF THE NORTH BASIN

05054000 RED RIVER OF THE NORTH AT FARGO, ND

LOCATION.--Lat 46°51'40", long 96°47'00", in NW¹/₄NE¹/₄ sec.18, T.139 N., R.48 W., Cass County, Hydrologic Unit 09020104, at waterplant on 4th St. S. in Fargo, 25 mi upstream from mouth of Sheyenne River, and at mile 453.

DRAINAGE AREA.--6,800 mi² (approximately).

PERIOD OF RECORD.--May 1901 to current year. Published as "at Moorhead, MN.", 1901. Monthly discharge only for some periods, published in WSP 1308.

REVISED RECORDS.--WSP 1308: 1902-4, 1906-7, 1910-14, 1916, 1918, 1924. WSP 1388: 1905-6, 1917-20(M), 1935(M), 1938-39(M), 1943.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 861.8 ft above sea level. Oct. 1, 1960, to Sept. 30, 1962, water-stage recorder at present site at datum 5.6 ft higher. See WSP 1728 or 1913 for history of changes prior to Oct. 1, 1960.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Orwell Reservoir, capacity 14,100 acre-ft at 1,070 ft above sea level, adjustment of 1912; Lake Traverse, capacity 137,000 acre-ft, available for flood control, other controlled lakes and ponds, and several powerplants. Some small diversions for municipal supply. Figures of daily discharge do not include diversions to cities of Fargo and Moorhead, MN from the Sheyenne River.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 7, 1897, reached a stage of 39.1 ft present datum, discharge, 25,000 ft³/s at site 1.5 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	553	1180	1670	e648	e771	e930	3780	1770	1670	1860	1240	967
2	556	1110	1680	e626	e769	e990	2960	1750	1760	1830	1170	918
3	561	993	1740	e626	e750	e1040	2610	1740	1870	1810	1090	1470
4	586	923	1800	e604	e731	e1070	3430	1790	1930	1900	1010	1740
5	589	928	1800	e583	e733	e1110	4000	1810	1970	1920	813	1940
6	549	925	1790	e582	e714	e1190	3950	1790	1960	1840	547	2300
7	541	913	1800	e582	e711	e1270	3700	1950	2490	1740	436	2690
8	510	955	1780	e581	e685	e1360	3060	2060	3280	1720	382	2750
9	498	1070	1770	e580	e663	e1490	2490	2040	3810	1690	509	2600
10	548	1190	1790	e599	e661	e1640	2220	3110	4090	1690	783	2370
11	779	1170	e2090	e597	e661	e1640	2070	3270	3860	1680	944	2200
12	756	922	e2190	e595	e660	e1600	1960	2860	3210	1720	1270	2020
13	693	643	e1910	e612	e660	e1590	1900	2740	2770	1710	1270	1910
14	652	e650	1670	e602	e640	e1500	1860	2800	2640	1620	1650	1930
15	659	e710	e1500	e610	e641	e1500	1880	2720	2560	1590	2570	2010
16	678	e800	e1350	e606	e641	e1800	1960	2600	e2500	1650	3370	2000
17	1410	e780	e1200	e625	e642	e2200	1980	2550	2420	1680	3510	1910
18	2620	e760	e1000	e663	e643	e2800	1980	2550	2400	1650	2980	1810
19	2170	e700	e900	e702	e665	e3500	1960	2540	2280	1610	2220	1740
20	1590	e630	e800	e733	e667	e4000	1910	2510	2170	1600	1860	1700
21	1410	e600	e700	e780	e669	e4800	1870	2450	2100	1580	1740	1670
22	1320	e600	e600	e800	e671	e4800	1850	2390	2100	1550	1640	1650
23	1250	e700	e580	e838	e671	e4600	1850	2300	2170	1480	e1600	1580
24	1160	e800	e580	e872	e691	e4000	1840	2160	2490	1370	e1550	1500
25	1100	e940	e600	e868	e715	e3500	1830	2020	2970	1340	e1500	1430
26	1070	e1100	e619	e898	e786	e2700	1810	1960	3160	1280	1410	1370
27	1030	1190	e618	e898	e810	2290	1800	1940	2820	1240	1260	1310
28	1010	1280	e616	e896	e870	2810	1800	1890	2420	1200	1120	1260
29	1060	1410	e635	e885	---	4010	1790	1860	2090	1220	1020	1200
30	1100	1590	e653	e855	---	4210	1780	1790	1940	1320	931	1170
31	1170	---	e650	e814	---	4270	---	1680	---	1320	832	---
TOTAL	30178	28162	39081	21760	19591	76210	69880	69390	75900	49410	44227	53115
MEAN	973	939	1261	702	700	2458	2329	2238	2530	1594	1427	1770
MAX	2620	1590	2190	898	870	4800	4000	3270	4090	1920	3510	2750
MIN	498	600	580	580	640	930	1780	1680	1670	1200	382	918
AC-FT	59860	55860	77520	43160	38860	151200	138600	137600	150500	98000	87720	105400
+	1230	1170	1200	1360	1110	1150	1080	1360	1440	1550	1510	1300
*	61090	57030	78720	44520	39970	152400	139700	139000	151900	99550	89230	106700

e Estimated

+ Diversions, in acre-feet, to cities of Fargo and Moorhead.

* Adjusted for diversions to cities of Fargo and Moorhead.

RED RIVER OF THE NORTH BASIN

05054000 RED RIVER OF THE NORTH AT FARGO, ND--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1901 - 1999, BY WATER YEAR (WY)

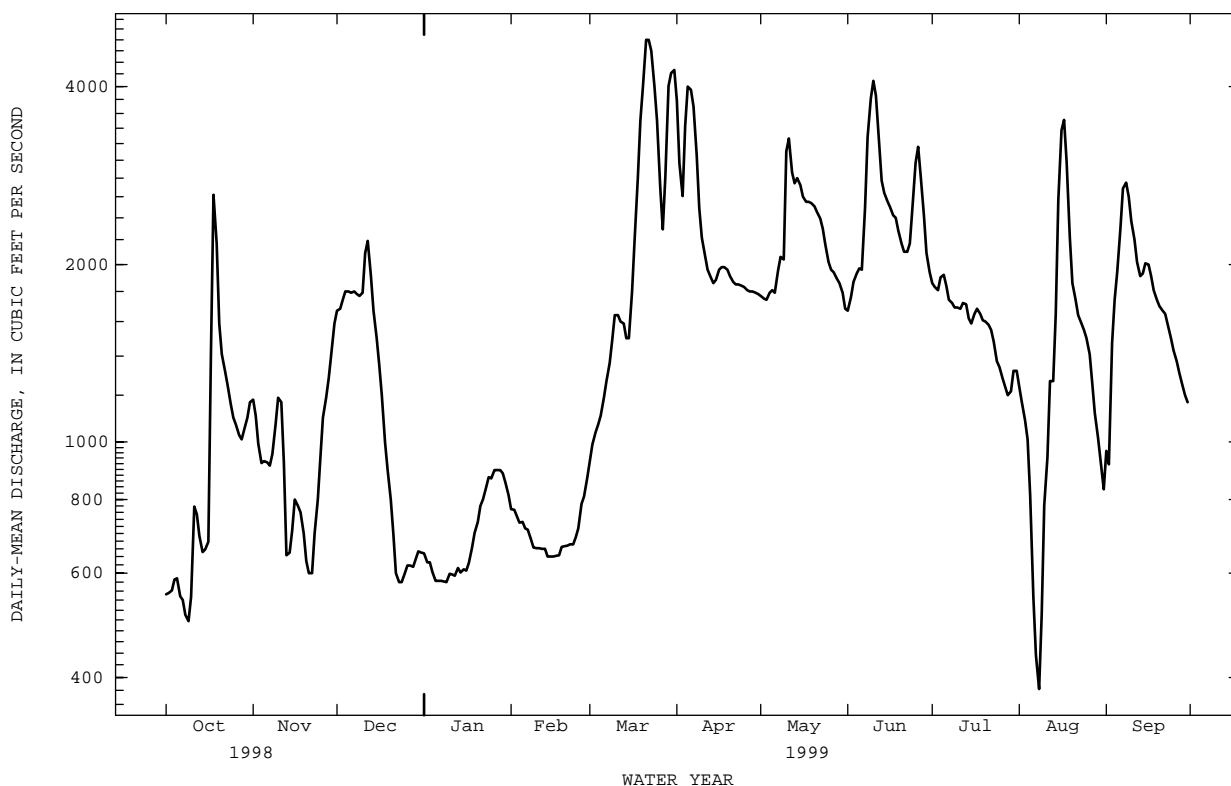
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	325	283	241	218	230	768	1940	1130	1066	899	435	336
MAX	1741	942	1261	740	1353	4722	17920	5365	5122	5692	3293	2280
(WY)	1994	1907	1999	1986	1998	1995	1997	1997	1962	1962	1993	1993
MIN	.000	.000	.000	.000	.18	26.8	102	8.12	2.87	.000	.000	.000
(WY)	1935	1937	1938	1933	1933	1937	1934	1934	1936	1934	1932	1934

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR	WATER YEARS 1901 - 1999
ANNUAL TOTAL	695725	576904	
ANNUAL MEAN	1906	1581	657
HIGHEST ANNUAL MEAN			2619
LOWEST ANNUAL MEAN			17.5
HIGHEST DAILY MEAN	8590	May 19	4800
LOWEST DAILY MEAN	289	Sep 25	382
ANNUAL SEVEN-DAY MINIMUM	438	Sep 23	546
INSTANTANEOUS PEAK FLOW			4900 ^a
INSTANTANEOUS PEAK STAGE			20.81 ^b
ANNUAL RUNOFF (AC-FT)	1380000(*1475000)	1144000(*1160000)	476100
10 PERCENT EXCEEDS	4100	2740	1470
50 PERCENT EXCEEDS	1350	1500	318
90 PERCENT EXCEEDS	530	623	40

a Approximately.

b Backwater from ice.

* Adjusted for diversions to cities of Fargo and Moorhead.



RED RIVER OF THE NORTH BASIN--Continued

05054000 RED RIVER OF THE NORTH AT FARGO, ND--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1956 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1998 to September 1999.

SPECIFIC CONDUCTANCE: September 1998 to September 1999.

INSTRUMENTATION.--Water-quality sensors since September 1998.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 28.3°C, July 24, 1999; Minimum recorded, 0.0°C on many days.

SPECIFIC CONDUCTANCE: Maximum recorded, 1,200 microsiemens/cm, Aug. 29, 1999; minimum recorded, 353 microsiemens/cm, Oct. 19, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (00095)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT											
09...	0930	498	--	--	--	--	521	--	11.7	--	--
27...	1515	1030	--	--	--	--	682	--	11.0	--	--
DEC											
08...	1200	1780	--	--	--	--	880	--	.9	--	--
JAN											
11...	1500	597	--	--	--	--	694	--	.3	--	--
29...	1420	--	839	--	--	--	594	-4.0	.5	--	--
MAR											
02...	1100	990	--	--	--	--	601	--	.1	--	--
24...	1320	--	4030	7.8	--	539	547	.5	.0	240	50
APR											
15...	1000	1880	--	--	--	--	779	--	9.9	--	--
28...	0840	--	1850	--	--	--	753	14.5	11.0	--	--
MAY											
07...	0800	1950	--	--	--	--	645	--	16.3	--	--
26...	0800	1960	--	--	--	--	834	--	16.9	--	--
JUN											
08...	0940	--	3280	--	--	--	639	28.0	23.0	--	--
09...	0700	3810	--	--	--	--	628	--	23.4	--	--
JUL											
02...	0800	1830	--	--	--	--	560	--	21.2	--	--
13...	1125	--	1710	7.9	8.0	664	663	27.0	26.5	290	52
15...	0900	1590	--	--	--	--	680	--	26.2	--	--
AUG											
20...	1100	1860	--	--	--	--	574	--	22.6	--	--
SEP											
07...	1330	--	2720	--	--	--	656	23.0	18.0	--	--
15...	1400	2010	--	--	--	--	682	--	15.3	--	--

RED RIVER OF THE NORTH BASIN--Continued

05054000 RED RIVER OF THE NORTH AT FARGO, ND--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.9	15.2	15.6	---	---	---	2.0	1.6	1.8	.3	.3	.3
2	15.5	14.7	15.0	---	---	---	2.1	1.6	1.9	.3	.3	.3
3	14.7	14.0	14.2	---	---	---	2.3	1.9	2.1	.3	.3	.3
4	14.0	13.2	13.7	---	---	---	2.3	1.9	2.1	.3	.3	.3
5	13.2	12.9	13.1	---	---	---	2.0	1.7	1.9	.3	.3	.3
6	12.9	12.3	12.7	---	---	---	1.7	1.4	1.5	.3	.3	.3
7	12.5	11.9	12.2	---	---	---	1.4	1.1	1.2	.3	.3	.3
8	12.3	11.7	12.0	---	---	---	1.2	.8	1.0	.3	.3	.3
9	12.6	11.7	12.1	---	---	---	.9	.5	.7	.3	.3	.3
10	12.6	12.1	12.3	---	---	---	.5	.3	.3	.3	.3	.3
11	12.7	12.3	12.5	---	---	---	.4	.2	.3	.3	.3	.3
12	12.5	11.6	12.0	---	---	---	.4	.2	.3	.3	.3	.3
13	11.6	10.8	11.1	---	---	---	.4	.2	.3	.3	.3	.3
14	10.8	10.3	10.5	---	---	---	.6	.3	.5	.3	.2	.3
15	10.5	10.1	10.3	---	---	---	.6	.5	.6	.2	.2	.2
16	10.5	10.2	10.4	---	---	---	.7	.5	.6	.2	.2	.2
17	10.3	9.2	9.9	---	---	---	.5	.3	.4	.2	.2	.2
18	9.2	8.0	8.5	---	---	---	.3	.3	.3	.2	.2	.2
19	8.0	7.3	7.6	---	---	---	.3	.3	.3	.2	.2	.2
20	8.4	7.7	8.0	---	---	---	.3	.3	.3	.2	.1	.2
21	8.9	8.3	8.6	.7	.5	.6	.3	.3	.3	.1	.1	.1
22	9.4	8.6	9.0	.8	.6	.7	.3	.3	.3	.1	.1	.1
23	9.6	9.0	9.3	.8	.6	.7	.3	.3	.3	.1	.1	.1
24	10.0	9.4	9.7	.8	.5	.6	.3	.3	.3	.1	.1	.1
25	10.3	10.0	10.2	.8	.6	.7	.3	.3	.3	.1	.1	.1
26	10.7	10.3	10.6	.7	.4	.5	.3	.3	.3	.1	.0	.1
27	---	---	---	.7	.4	.6	.3	.3	.3	.0	.0	.0
28	---	---	---	1.4	.5	.8	.3	.3	.3	.0	.0	.0
29	---	---	---	2.0	1.4	1.7	.3	.3	.3	.0	.0	.0
30	---	---	---	2.1	1.9	2.0	.3	.3	.3	.0	.0	.0
31	---	---	---	---	---	---	.3	.3	.3	.0	.0	.0
MONTH	---	---	---	---	---	---	2.3	.2	.7	.3	.0	.2
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	.0	.0	.0	.1	.0	.0	6.9	6.2	6.7	15.9	14.4	15.1
2	.0	.0	.0	.1	.0	.0	6.4	6.1	6.3	16.6	15.4	16.0
3	.0	.0	.0	.1	.0	.0	6.1	5.8	5.9	16.9	16.2	16.5
4	.0	.0	.0	.1	.0	.1	5.8	4.8	5.2	17.5	16.7	17.1
5	.0	.0	.0	.1	.1	.1	5.5	4.9	5.2	17.5	17.3	17.4
6	.0	.0	.0	.1	.1	.1	6.3	5.5	5.8	17.4	17.2	17.3
7	.0	.0	.0	.2	.1	.2	7.8	6.1	6.8	17.2	15.0	16.0
8	.1	.0	.0	.2	.2	.2	8.6	7.4	8.0	15.0	13.6	14.0
9	.0	.0	.0	.2	.2	.2	9.6	8.4	8.9	13.9	13.3	13.6
10	.0	.0	.0	.3	.2	.3	9.6	9.1	9.4	13.3	11.2	11.9
11	.0	.0	.0	.3	.3	.3	9.7	9.0	9.3	12.6	11.5	11.9
12	.0	.0	.0	.3	.3	.3	9.7	9.1	9.5	13.2	12.5	12.8
13	.0	.0	.0	.4	.3	.3	10.3	9.4	9.8	13.5	12.9	13.2
14	.0	.0	.0	.4	.4	.4	10.5	10.1	10.3	13.9	13.1	13.4
15	.0	.0	.0	.4	.4	.4	10.1	9.5	9.8	14.7	13.5	14.0
16	.0	.0	.0	.5	.4	.4	9.5	8.5	9.0	15.5	14.2	14.8
17	.0	.0	.0	.5	.5	.5	8.5	7.6	7.9	16.0	15.0	15.5
18	.0	.0	.0	.5	.5	.5	7.6	7.0	7.3	16.7	15.3	15.9
19	.0	.0	.0	.6	.5	.5	7.3	6.7	7.0	17.2	16.1	16.6
20	.0	.0	.0	.7	.6	.6	7.5	6.9	7.2	18.0	16.7	17.3
21	.0	.0	.0	.8	.6	.6	8.6	7.5	7.9	18.6	17.3	17.9
22	.0	.0	.0	.8	.5	.7	9.6	8.5	8.9	19.1	18.0	18.5
23	.0	.0	.0	1.0	.6	.8	10.6	9.4	9.9	18.7	17.8	18.1
24	.0	.0	.0	1.0	.3	.7	11.5	10.3	10.8	17.9	17.3	17.6
25	.0	.0	.0	1.0	.3	.6	12.2	11.0	11.6	18.0	16.7	17.4
26	.1	.0	.0	3.1	.3	1.4	12.7	12.0	12.3	18.2	17.1	17.7
27	.1	.0	.0	3.6	3.0	3.3	12.8	12.4	12.6	18.7	17.6	18.2
28	.0	.0	.0	4.3	3.4	3.8	13.6	12.5	13.0	19.7	18.2	18.9
29	---	---	---	5.3	4.1	4.7	14.2	13.1	13.7	21.1	19.5	20.2
30	---	---	---	6.2	5.3	5.7	15.0	13.7	14.3	21.2	20.7	21.0
31	---	---	---	7.2	6.0	6.6	---	---	---	20.7	19.2	19.9
MONTH	.1	.0	.0	7.2	.0	1.1	15.0	4.8	9.0	21.2	11.2	16.3

RED RIVER OF THE NORTH BASIN--Continued

05054000 RED RIVER OF THE NORTH AT FARGO, ND--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.2	18.8	19.1	22.0	21.2	21.6	26.5	25.4	26.0	23.1	21.2	22.3
2	19.2	18.4	18.8	22.6	21.5	21.9	26.2	25.0	25.5	21.2	20.6	20.8
3	18.9	18.1	18.5	24.0	22.2	22.9	25.8	24.8	25.2	20.8	18.0	18.9
4	19.3	17.7	18.4	24.0	23.0	23.6	25.2	24.6	24.9	18.4	17.9	18.2
5	21.2	19.3	20.1	24.7	23.7	24.2	25.3	24.6	24.9	18.1	17.6	17.9
6	22.3	20.8	21.5	25.2	23.9	24.6	25.8	24.6	25.1	18.5	17.4	17.9
7	23.4	21.9	22.5	25.5	24.5	25.0	25.5	24.4	25.0	18.9	18.4	18.6
8	23.8	23.0	23.4	25.4	24.5	24.8	24.9	23.9	24.4	18.8	17.9	18.3
9	23.9	23.4	23.6	24.5	23.7	24.0	24.7	23.6	24.2	17.9	17.3	17.5
10	23.6	23.1	23.3	23.8	23.0	23.5	24.6	23.7	24.2	17.7	17.2	17.4
11	23.5	22.8	23.1	24.2	23.3	23.8	24.7	23.9	24.3	17.5	16.6	17.1
12	23.6	23.0	23.3	24.7	23.6	24.1	24.4	22.2	23.5	16.6	16.2	16.3
13	23.3	22.7	23.1	25.5	24.1	24.8	22.8	21.8	22.2	16.2	15.6	15.8
14	22.7	22.1	22.4	26.5	25.3	25.8	23.1	21.9	22.6	15.6	15.1	15.3
15	22.3	21.7	22.0	26.7	26.3	26.5	22.9	22.3	22.5	15.2	14.7	15.0
16	21.8	21.1	21.5	26.4	26.0	26.2	22.4	21.5	21.8	15.2	14.4	14.8
17	21.5	20.6	21.0	26.0	25.5	25.8	22.0	21.3	21.6	15.6	14.7	15.1
18	21.3	20.6	20.9	25.6	25.1	25.3	22.3	21.9	22.0	16.1	15.3	15.7
19	20.7	20.1	20.5	25.2	24.7	25.0	23.0	21.9	22.3	16.2	15.8	16.0
20	21.1	19.9	20.4	25.4	24.7	25.1	22.9	22.3	22.6	16.1	15.7	15.9
21	21.1	20.5	20.8	25.9	24.8	25.3	23.1	22.4	22.7	15.9	15.2	15.5
22	21.5	20.6	21.1	26.6	25.3	25.9	23.5	22.7	23.1	16.1	15.3	15.7
23	22.6	21.2	21.9	27.4	26.1	26.7	23.4	22.8	23.1	16.1	15.3	15.7
24	23.4	21.9	22.6	28.3	26.9	27.6	23.6	22.7	23.1	15.8	15.1	15.5
25	24.1	23.1	23.6	28.1	27.5	27.8	24.3	23.1	23.6	15.9	15.1	15.5
26	24.2	23.7	24.0	27.7	26.7	27.2	24.8	24.1	24.6	15.9	15.2	15.5
27	24.0	23.5	23.8	27.5	26.4	27.1	25.3	24.0	24.7	15.5	14.7	15.1
28	23.5	22.9	23.2	27.7	26.2	26.9	25.2	24.5	24.9	15.0	14.3	14.6
29	22.9	22.2	22.5	28.1	26.6	27.4	25.1	24.0	24.3	14.5	13.8	14.1
30	22.3	21.6	22.0	28.1	27.3	27.7	24.0	22.5	23.3	14.0	13.0	13.5
31	---	---	---	27.6	26.2	26.7	23.2	22.3	22.7	---	---	---
MONTH	24.2	17.7	21.8	28.3	21.2	25.3	26.5	21.3	23.7	23.1	13.0	16.5

RED RIVER OF THE NORTH BASIN--Continued

05054000 RED RIVER OF THE NORTH AT FARGO, ND--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	802	591	709	---	---	---	645	634	640	913	784	854
2	591	541	554	---	---	---	664	638	655	784	724	753
3	542	536	539	---	---	---	681	664	673	729	692	713
4	537	510	528	---	---	---	700	678	685	692	670	676
5	516	493	504	---	---	---	779	700	719	676	671	673
6	519	510	514	---	---	---	829	779	811	697	676	682
7	522	512	517	---	---	---	871	783	820	729	697	715
8	525	520	522	---	---	---	910	867	886	732	718	725
9	524	520	522	---	---	---	911	902	906	736	716	726
10	523	521	522	---	---	---	915	902	908	736	708	725
11	524	486	514	---	---	---	916	885	901	712	680	696
12	518	473	498	---	---	---	887	840	857	688	670	676
13	541	514	528	---	---	---	916	852	883	672	652	663
14	565	538	554	---	---	---	967	916	945	652	638	645
15	584	564	573	---	---	---	970	964	968	656	638	647
16	572	544	556	---	---	---	964	911	936	655	648	654
17	544	483	512	---	---	---	911	891	898	660	644	649
18	562	406	521	---	---	---	898	879	885	666	653	660
19	406	353	370	---	---	---	926	896	912	658	641	650
20	514	396	456	---	---	---	988	922	943	642	635	639
21	578	514	549	560	528	542	981	966	969	647	628	636
22	621	578	593	632	555	597	982	969	976	628	611	619
23	816	621	735	704	632	677	982	957	972	611	606	608
24	834	722	795	713	655	683	957	868	912	680	600	619
25	722	660	683	698	558	617	868	790	826	681	604	630
26	669	655	660	558	545	549	942	793	831	648	604	625
27	---	---	---	622	555	588	1010	823	917	628	612	616
28	---	---	---	635	621	631	823	805	812	613	577	591
29	---	---	---	673	635	660	821	804	813	597	578	585
30	---	---	---	666	625	640	841	810	824	597	589	593
31	---	---	---	---	---	---	906	841	872	600	597	599
MONTH	---	---	---	---	---	---	1010	634	857	913	577	663

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	628	600	610	719	584	675	---	---	---	697	659	674
2	631	619	627	602	558	587	---	---	---	665	658	661
3	619	607	613	---	---	---	---	---	---	664	660	663
4	612	596	602	---	---	---	---	---	---	668	634	654
5	601	595	598	---	---	---	---	---	---	663	644	652
6	611	590	595	---	---	---	---	---	---	678	646	658
7	607	593	599	---	---	---	---	---	---	652	618	637
8	637	599	611	---	---	---	---	---	---	664	641	651
9	637	606	620	---	---	---	---	---	---	740	664	700
10	650	605	626	---	---	---	---	---	---	740	606	671
11	649	597	619	---	---	---	---	---	---	646	588	621
12	639	589	614	---	---	---	---	---	---	748	646	698
13	614	590	604	---	---	---	---	---	---	814	748	783
14	615	609	611	---	---	---	---	---	---	829	810	818
15	616	597	604	---	---	---	---	---	---	817	794	805
16	617	604	611	---	---	---	761	745	754	828	815	821
17	676	617	647	---	---	---	818	742	778	837	815	827
18	661	613	631	---	---	---	822	781	805	855	804	819
19	613	582	590	---	---	---	781	757	768	856	817	828
20	646	588	623	---	---	---	764	755	757	847	829	837
21	699	602	635	---	---	---	758	734	747	843	841	842
22	684	638	654	---	---	---	734	719	728	857	843	852
23	701	643	669	---	---	---	719	706	713	863	856	860
24	673	651	664	---	---	---	711	687	697	856	848	850
25	717	642	677	---	---	---	707	684	689	860	846	850
26	729	629	674	---	---	---	712	704	707	846	802	826
27	660	616	636	---	---	---	713	703	707	802	783	789
28	695	657	668	---	---	---	708	703	706	788	780	784
29	---	---	---	---	---	---	708	666	676	780	767	772
30	---	---	---	---	---	---	700	666	696	772	755	761
31	---	---	---	---	---	---	---	---	---	772	745	754
MONTH	729	582	626	---	---	---	---	---	---	863	588	755

05054000 RED RIVER OF THE NORTH AT FARGO, ND--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG.C), WATER YEAR OCTOBER 1998 TO SEPTEMBER

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	771	726	754	604	575	586	---	---	---	1150	1120	1130
2	726	642	696	575	559	563	---	---	---	1120	1080	1100
3	642	578	607	589	567	582	---	---	---	1080	1050	1070
4	701	570	622	593	551	580	---	---	---	1050	994	1020
5	801	701	742	602	587	594	---	---	---	994	920	957
6	744	606	640	598	588	593	---	---	---	920	782	867
7	638	617	626	611	597	605	---	---	---	782	659	687
8	701	613	650	612	599	605	---	---	---	674	625	648
9	677	602	626	602	577	588	---	---	---	635	625	630
10	602	538	566	577	569	572	---	---	---	646	633	639
11	538	521	527	651	575	640	---	---	---	644	638	641
12	559	530	548	642	605	618	---	---	---	651	644	648
13	562	557	559	675	618	648	---	---	---	660	651	655
14	700	562	627	689	675	683	---	---	---	677	660	671
15	719	700	712	688	657	675	---	---	---	716	677	686
16	702	681	688	657	620	636	---	---	---	726	705	717
17	710	684	697	620	581	595	---	---	---	724	693	712
18	732	710	722	608	581	591	---	---	---	714	687	694
19	743	732	736	646	608	631	---	---	---	743	714	731
20	748	725	742	651	641	645	---	---	---	768	743	756
21	725	689	703	754	645	698	645	589	612	777	768	773
22	691	644	678	909	754	841	780	645	718	788	776	779
23	675	638	658	925	669	820	893	780	835	783	780	781
24	703	647	664	689	650	658	990	893	944	793	783	788
25	758	687	733	665	618	653	1090	990	1040	802	793	795
26	687	581	624	661	595	625	1150	1090	1140	797	772	785
27	685	635	659	598	547	579	1180	1150	1170	772	769	770
28	635	611	619	---	---	---	1190	1180	1190	774	755	767
29	633	598	614	---	---	---	1200	1180	1190	771	746	758
30	613	583	597	---	---	---	1180	1170	1170	747	724	737
31	---	---	---	---	---	---	1170	1150	1160	---	---	---
MONTH	801	521	655	---	---	---	---	---	---	1150	625	780