

UPPER MISSISSIPPI RIVER MAIN STEM--Continued

05280000 CROW RIVER AT ROCKFORD, MN

LOCATION.--Lat 45°05'12", long 93°44'02", in sec. 29, T.119 N., R.24 W., Hennepin County, Hydrologic Unit 07010204, on right bank at Rockford, 150 ft downstream from bridge on State Highway 55, 2 miles downstream from confluence of North and South Forks, and 23 miles upstream from confluence with the Mississippi River.

DRAINAGE AREA.--2,640 mi².

PERIOD OF RECORD.--April to July 1906 (published as "near Dayton"), June 1909 to September 1917, April to November 1929, March 1930 to September 1931, April to November 1932, March to November 1933, March 1934 to current year. Monthly discharge only for some periods, published in WSP 1308.

REVISED RECORDS.--WSP 1115: 1932. WSP 1508: 1933. WDR MN-77-2: 1972 (M)(m).

GAGE.--Water-stage recorder. Datum of gage is 893.08 ft above sea level (NGVD of 1929). Apr. 13 to July 21, 1906, nonrecording gage at Berning Mill 14 mi downstream at different datum. June 4, 1909 to Sept. 30, 1917, nonrecording gage at site 600 ft downstream at different datum; Apr. 23, 1929 to Aug. 21, 1934, nonrecording gage at site 600 ft downstream at present datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair.

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	46	88	e79	e89	e89	e86	e130	12000	2570	1400	292	118
2	46	91	e78	e88	e89	e86	e170	10700	2490	1330	293	108
3	45	84	e77	e88	e89	e86	e250	9610	2390	1230	282	99
4	45	89	e77	e88	e89	e86	e500	8630	2270	1140	283	95
5	45	87	e76	e87	e88	e86	e900	7810	2170	1040	267	92
6	46	101	e76	e87	e88	e86	e1500	7210	2080	971	246	89
7	45	124	e75	e87	e88	e86	2490	6750	2000	906	232	100
8	46	119	e75	e87	e87	e85	3310	6310	1930	847	216	102
9	47	125	e75	e89	e87	e85	4110	5950	1850	791	199	100
10	46	125	e74	e89	e87	e85	5180	5680	1780	736	184	126
11	49	128	e74	e89	e86	e85	6490	5430	1730	664	171	119
12	55	128	e74	e89	e86	e86	7930	5190	1710	578	163	108
13	54	128	e75	e89	e86	e86	9200	4930	1800	521	157	99
14	54	133	e75	e89	e86	e87	10300	4680	2000	488	150	93
15	57	137	e75	e90	e86	e88	11100	4430	2290	461	143	90
16	61	132	e75	e90	e86	e88	11300	4180	2480	437	139	87
17	68	e120	e76	e90	e86	e90	11000	3950	2630	421	135	82
18	69	e110	e76	e90	e86	e90	10300	3710	2780	412	146	80
19	72	e108	e77	e90	e86	e91	9660	3480	2950	418	152	81
20	72	e110	e77	e90	e86	e92	9030	3280	3060	409	148	83
21	72	e109	e77	e91	e86	e93	8530	3190	3080	389	139	84
22	73	e102	e77	e91	e86	e93	8220	3090	2970	392	133	92
23	77	e97	e77	e91	e86	e95	8720	3010	2760	393	127	120
24	76	e92	e75	e91	e86	e95	9120	2920	2500	381	122	112
25	80	e88	e75	e91	e86	e97	9790	2840	2260	383	116	120
26	84	e86	e75	e91	e86	e97	10600	2840	2030	368	110	121
27	79	e84	e78	e90	e86	e98	11500	2830	1850	353	108	113
28	76	e82	e81	e90	e86	e100	12400	2820	1700	341	105	108
29	73	e81	e84	e90	---	e102	13000	2800	1560	327	109	100
30	71	e80	e86	e90	---	e104	12800	2740	1460	314	121	94
31	73	---	e87	e90	---	e112	---	2660	---	303	121	---
TOTAL	1902	3168	2388	2771	2429	2826	219530	155650	67130	19144	5309	3015
MEAN	61.4	106	77.0	89.4	86.8	91.2	7318	5021	2238	618	171	100
MAX	84	137	87	91	89	112	13000	12000	3080	1400	293	126
MIN	45	80	74	87	86	85	130	2660	1460	303	105	80
AC-FT	3770	6280	4740	5500	4820	5610	435400	308700	133200	37970	10530	5980
CFSM	.02	.04	.03	.03	.03	.03	2.77	1.90	.85	.23	.06	.04
IN.	.03	.04	.03	.04	.03	.04	3.09	2.19	.95	.27	.07	.04

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	438	416	292	173	172	860	2248	1489	1273	1028	550	476
MAX	3809	1909	1477	928	1115	4085	9026	5992	6166	6759	3356	4941
(WY)	1986	1972	1983	1992	1966	1983	1965	1986	1906	1993	1997	1991
MIN	16.6	28.3	17.3	12.4	12.5	25.1	57.1	26.7	14.8	5.76	5.87	13.0
(WY)	1934	1937	1938	1938	1959	1934	1934	1934	1934	1934	1934	1933

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1906 - 2001
ANNUAL TOTAL	96506	485262	
ANNUAL MEAN	264	1329	815a
HIGHEST ANNUAL MEAN			2754
LOWEST ANNUAL MEAN			64.5
HIGHEST DAILY MEAN	1330	Mar 4	22100
LOWEST DAILY MEAN	43	Sep 22	3.8
ANNUAL SEVEN-DAY MINIMUM	44	Sep 19	4.0
MAXIMUM PEAK FLOW			22400
MAXIMUM PEAK STAGE			19.27b
INSTANTANEOUS LOW FLOW			1.8c
ANNUAL RUNOFF (AC-FT)	191400	962500	590600
ANNUAL RUNOFF (CFMS)	.10	.50	.31
ANNUAL RUNOFF (INCHES)	1.36	6.84	4.20
10 PERCENT EXCEEDS	568	4280	2240
50 PERCENT EXCEEDS	123	102	270
90 PERCENT EXCEEDS	64	75	39

- a Median of annual mean discharges is 620 ft³/s.
- b From floodmark.
- c Result of ice jam upstream.
- e Estimated.

