

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	121	122	e104	e90	e620	471	365	529	294	188	78
2	174	124	144	e104	e89	e900	456	360	562	288	178	76
3	169	126	150	e104	e88	1190	447	342	603	294	169	78
4	164	125	149	e104	e90	1330	437	321	652	308	158	73
5	162	128	141	e103	e91	1070	422	308	748	320	151	70
6	158	123	112	e103	e91	930	408	292	861	334	145	69
7	155	119	120	e103	e90	831	395	274	908	349	139	67
8	155	120	118	e103	e90	768	383	268	930	376	155	65
9	154	121	130	e102	e89	760	358	264	946	490	141	64
10	148	123	e120	e102	e87	722	349	311	942	534	141	74
11	149	136	e120	e102	e86	693	339	385	927	560	128	64
12	145	137	e120	e101	e86	686	325	433	887	578	120	58
13	139	132	e120	e101	e86	657	324	481	828	616	112	54
14	136	126	e120	e101	e86	623	328	477	762	618	106	52
15	130	125	e120	e100	e86	602	331	478	757	591	100	50
16	130	125	e110	e100	e86	577	348	470	728	554	97	49
17	129	125	e103	e100	e86	549	362	456	661	508	126	48
18	128	124	e95	e100	e86	538	385	451	607	472	124	47
19	125	127	e95	e100	e86	529	410	466	563	437	131	46
20	124	132	e95	e100	e88	514	445	473	539	403	125	45
21	121	131	e86	e98	e90	499	469	462	523	373	119	44
22	119	133	e84	e96	e102	494	483	473	520	344	113	43
23	120	140	e86	e96	e122	484	485	472	492	318	106	44
24	116	142	e92	e95	e148	508	470	474	454	295	100	44
25	114	142	e98	e94	e170	544	451	463	419	274	95	45
26	115	140	e101	e93	e230	559	434	439	394	270	94	47
27	113	139	e107	e92	e300	564	418	408	380	249	87	47
28	113	137	e107	e91	e450	542	401	415	358	232	86	49
29	114	121	e106	e90	e540	528	388	423	335	220	83	49
30	118	112	e106	e90	---	509	375	468	317	211	82	46
31	120	---	e105	e90	---	492	---	492	---	198	80	---
TOTAL	4238	3856	3482	3062	3909	20812	12097	12664	19132	11908	3779	1685
MEAN	137	129	112	98.8	135	671	403	409	638	384	122	56.2
MAX	181	142	150	104	540	1330	485	492	946	618	188	78
MIN	113	112	84	90	86	484	324	264	317	198	80	43
AC-FT	8410	7650	6910	6070	7750	41280	23990	25120	37950	23620	7500	3340
CFSM	.05	.05	.04	.04	.05	.25	.15	.15	.24	.15	.05	.02
IN.	.06	.05	.05	.04	.06	.29	.17	.18	.27	.17	.05	.02

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	443	420	294	174	173	870	2184	1446	1261	1033	554	481
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 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1906 - 2000
ANNUAL TOTAL	286339	100624	
ANNUAL MEAN	784	275	808 ^a
HIGHEST ANNUAL MEAN			2754
LOWEST ANNUAL MEAN			64.5
HIGHEST DAILY MEAN	3270	May 19	22100
LOWEST DAILY MEAN	84	Dec 22	3.8
ANNUAL SEVEN-DAY MINIMUM	90	Dec 18	4.0
INSTANTANEOUS PEAK FLOW			22400
INSTANTANEOUS PEAK STAGE			19.27 ^c
INSTANTANEOUS LOW FLOW			1.8 ^d
ANNUAL RUNOFF (AC-FT)	568000	199600	585600
ANNUAL RUNOFF (CFSM)	.30	.10	.31
ANNUAL RUNOFF (INCHES)	4.03	1.42	4.16
10 PERCENT EXCEEDS	2060	568	2210
50 PERCENT EXCEEDS	333	142	272
90 PERCENT EXCEEDS	120	86	39

- a Median of annual mean discharges is 610 ft³/s.
- b Backwater from ice.
- c From floodmark.
- d Result of ice jam upstream.
- e Estimated.

