

05288500 MISSISSIPPI RIVER NEAR ANOKA, MN

LOCATION.--Lat 45°07'36", long 93°17'48", in SW $\frac{1}{4}$ sec. 12, T.119 N., R.21 W., Hennepin County, Hydrologic Unit 07010206, on right bank 0.4 mi downstream from Coon Creek, 1.3 mi downstream from Coon Rapids dam at Coon Rapids, 6.5 mi downstream from Anoka, and at mile 864.8 upstream from Ohio River.

DRAINAGE AREA.--19,100 mi², approximately.

PERIOD OF RECORD.--June 1931 to current year. Prior to October 1931 published as "at Coon Rapids, near Anoka."

GAGE.--Water-stage recorder. Datum of gage is 804.53 ft above sea level (NGVD of 1929). Prior to June 14, 1932, at site 1.2 mi upstream at different datum.

REMARKS.--Records good except those for estimated days, which are fair. Flow slightly regulated by six reservoirs on headwaters; total usable capacity, 1,640,600 acre-ft. Diurnal regulation caused by Coon Rapids dam 1.3 mi. above station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,900	11,900	7,340	e5,830	e4,850	e4,790	17,600	15,200	20,200	16,700	6,100	4,150
2	9,840	12,100	6,600	e5,410	e4,950	e4,740	18,900	14,100	20,000	16,800	6,150	3,890
3	9,320	12,600	6,190	e5,210	e4,660	e4,640	20,600	13,200	19,400	16,500	5,680	3,790
4	9,490	12,800	6,740	e5,190	e4,910	e4,700	21,400	12,300	19,100	16,200	5,640	4,720
5	9,480	13,100	7,030	e5,160	e4,890	4,900	21,400	11,800	19,100	15,500	5,460	4,140
6	9,160	12,700	6,690	e4,650	e5,190	e4,860	22,600	11,200	19,200	14,900	5,240	4,650
7	9,220	12,600	6,430	e4,750	e4,910	e5,090	22,600	10,800	18,900	14,300	4,780	4,890
8	8,980	12,200	6,700	e5,170	e5,040	e5,620	21,400	10,400	19,800	13,700	4,890	4,730
9	8,730	11,800	6,530	e5,010	e5,180	e5,810	20,800	9,980	20,800	13,100	4,720	4,770
10	8,350	11,700	7,200	e4,660	e5,070	e6,040	19,900	9,920	22,300	12,200	4,870	4,410
11	8,060	11,300	7,260	e4,740	e5,140	e6,160	20,300	9,590	23,700	11,600	4,530	4,150
12	7,530	10,800	7,490	e4,850	e5,150	e6,020	21,400	9,300	25,000	10,800	4,550	4,790
13	7,400	10,400	e6,050	e4,400	e5,220	e5,790	22,900	9,520	26,700	10,500	4,590	7,220
14	7,410	9,940	e4,650	e3,800	e5,390	e5,880	24,300	9,840	27,700	10,000	4,220	8,230
15	7,240	10,100	e5,040	e4,000	e5,460	e6,060	24,700	10,100	29,100	9,110	4,100	8,820
16	7,220	9,690	e5,760	e4,140	e5,520	5,960	25,400	10,400	30,600	9,150	4,140	8,980
17	6,780	9,480	e5,910	e4,240	e5,470	5,600	25,700	9,910	31,000	8,400	4,050	9,170
18	6,950	9,660	e5,670	e4,700	e5,410	5,490	25,600	10,600	30,400	7,960	4,080	9,150
19	6,930	9,280	e4,980	e4,700	e5,520	5,410	25,600	11,400	29,200	7,650	4,510	9,390
20	7,180	9,150	e4,030	e4,790	e5,750	5,320	25,200	11,800	28,200	7,570	4,120	9,600
21	6,960	9,250	e3,620	e4,830	e5,650	5,370	24,700	11,800	27,400	7,510	4,000	9,410
22	6,960	9,250	e3,990	e4,770	e5,350	5,510	23,800	12,100	25,900	6,790	3,840	10,400
23	6,980	9,220	e4,080	e4,610	e5,110	5,660	22,700	12,800	24,500	7,160	3,720	9,220
24	7,330	9,330	e4,390	e4,650	e5,110	e6,200	21,600	12,700	23,700	7,100	3,360	8,500
25	7,150	9,410	e4,460	e5,290	e4,840	e6,400	20,300	13,100	22,400	6,770	2,920	8,340
26	7,560	8,730	e4,970	e4,970	e4,810	6,890	19,400	14,100	20,900	6,990	4,040	8,360
27	8,170	8,300	e5,340	e4,770	e4,940	7,480	18,600	15,300	19,600	7,070	5,090	8,170
28	8,990	8,320	e5,250	e4,590	e4,860	8,570	17,200	16,400	18,800	6,440	4,530	7,980
29	10,100	8,530	e5,390	e4,650	---	10,100	16,400	18,200	17,500	6,660	4,270	7,810
30	10,500	7,920	e5,480	e4,740	---	11,700	15,800	19,200	16,600	6,700	4,490	7,340
31	11,300	---	e5,700	e4,770	---	14,700	---	19,900	---	6,230	4,120	---
TOTAL	257,170	311,560	176,960	148,040	144,350	197,460	648,800	386,960	697,700	318,060	140,800	209,170
MEAN	8,296	10,390	5,708	4,775	5,155	6,370	21,630	12,480	23,260	10,260	4,542	6,972
MAX	11,300	13,100	7,490	5,830	5,750	14,700	25,700	19,900	31,000	16,800	6,150	10,400
MIN	6,780	7,920	3,620	3,800	4,660	4,640	15,800	9,300	16,600	6,230	2,920	3,790
AC-FT	510,100	618,000	351,000	293,600	286,300	391,700	1,287,000	767,500	1,384,000	630,900	279,300	414,900
CFSM	0.43	0.54	0.30	0.25	0.27	0.33	1.13	0.65	1.22	0.54	0.24	0.37
IN.	0.50	0.61	0.34	0.29	0.28	0.38	1.26	0.75	1.36	0.62	0.27	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

MEAN	6,505	6,433	4,948	4,300	4,208	7,295	17,720	14,990	11,790	9,071	6,133	5,902
MAX	21,250	22,800	10,800	8,304	9,948	23,410	43,690	39,760	29,910	27,240	22,490	23,570
(WY)	(1987)	(1972)	(1972)	(1986)	(1966)	(1966)	(1997)	(1986)	(1943)	(1993)	(1972)	(1986)
MIN	1,128	1,152	1,006	935	1,079	1,602	3,575	2,796	1,646	1,022	715	888
(WY)	(1937)	(1937)	(1935)	(1935)	(1933)	(1940)	(1959)	(1934)	(1934)	(1934)	(1934)	(1934)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931 - 2005	
ANNUAL TOTAL	2,560,890		3,637,030		8,305	
ANNUAL MEAN	6,997		9,964		1,603	
HIGHEST ANNUAL MEAN					17,750	1986
LOWEST ANNUAL MEAN					1,603	1934
HIGHEST DAILY MEAN	19,000	Jun 6	31,000	Jun 17	90,300	Apr 17, 1965
LOWEST DAILY MEAN	2,040	Jan 19	2,920	Aug 25	602	Sep 10, 1934
ANNUAL SEVEN-DAY MINIMUM	2,320	Aug 29	3,710	Aug 20	646	Aug 26, 1934
MAXIMUM PEAK FLOW			31,100	Jun 17	91,000	Apr 17, 1965
MAXIMUM PEAK STAGE			9.54	Jun 17	19.53	Apr 17, 1965
INSTANTANEOUS LOW FLOW			a2,700	Mar 4	b529	Aug 29, 1976
ANNUAL RUNOFF (AC-FT)	5,080,000		7,214,000		6,017,000	
ANNUAL RUNOFF (CFSM)	0.366		0.522		0.435	
ANNUAL RUNOFF (INCHES)	4.99		7.08		5.91	
10 PERCENT EXCEEDS	12,100		20,800		17,900	
50 PERCENT EXCEEDS	6,580		7,410		5,800	
90 PERCENT EXCEEDS	2,660		4,570		2,240	

- a Minimum recorded, result of regulation. May have been lower during periods of backwater from ice.
- b Due in part to regulation.
- e Estimated.

