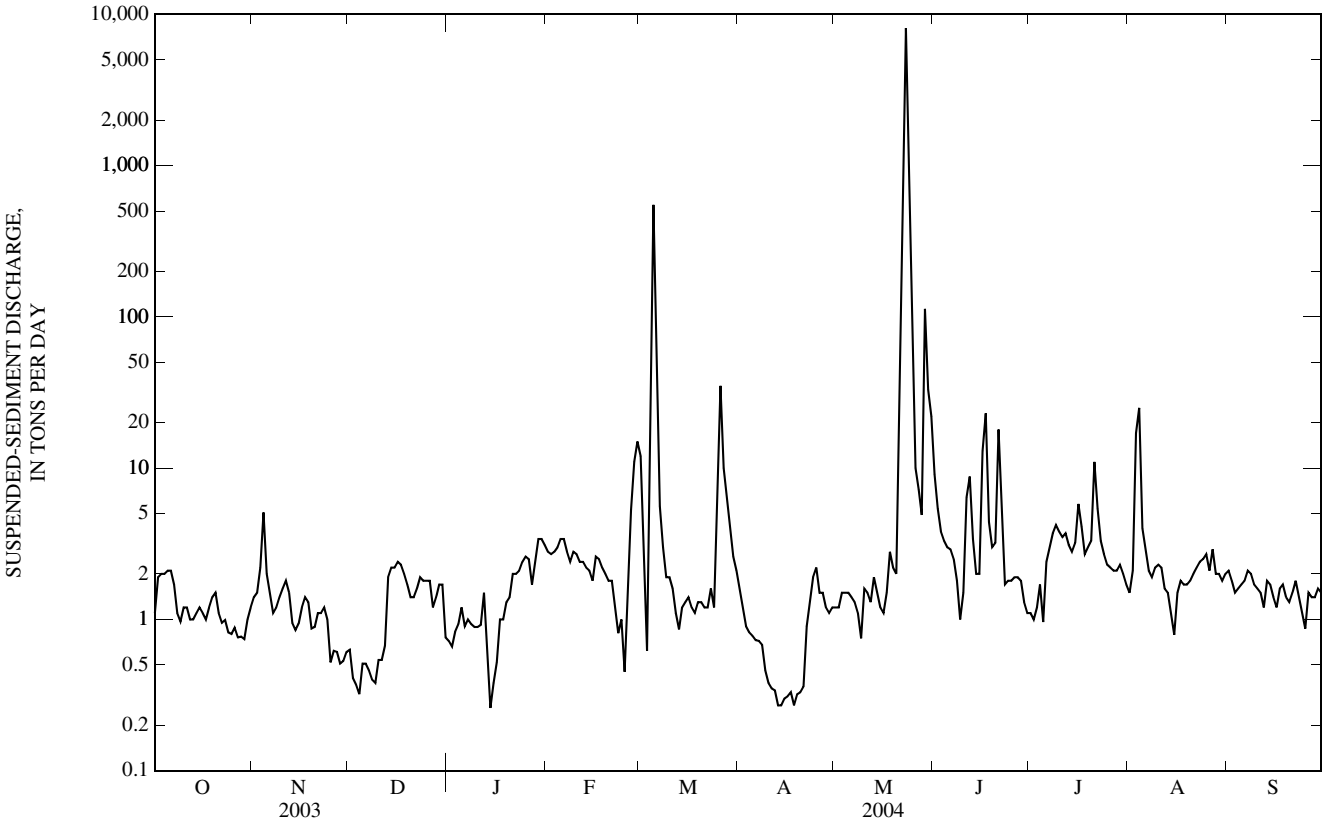
05389400 BLOODY RUN CREEK NEAR MARQUETTE, IA—Continued

SUSPENDED-SEDIMENT—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Day	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26	1.6	46	1.2	87	9.1	47	1.1	67	1.5	88	2.1
2	24	1.2	47	1.2	73	5.4	46	1.0	69	2.1	77	1.8
3	23	0.90	54	1.5	72	3.8	54	1.2	121	17	66	1.5
4	22	0.82	58	1.5	71	3.3	57	1.7	252	25	68	1.6
5	21	0.78	55	1.5	70	3.0	27	0.96	123	4.0	73	1.7
6	20	0.73	52	1.4	68	2.9	61	2.4	106	2.9	78	1.8
7	21	0.72	48	1.3	67	2.5	79	3.0	81	2.1	92	2.1
8	20	0.68	37	1.1	55	1.8	106	3.7	75	1.9	88	2.0
9	14	0.46	27	0.75	34	1.0	114	4.2	80	2.2	75	1.7
10	12	0.38	44	1.6	32	1.5	102	3.8	92	2.3	70	1.6
11	11	0.35	48	1.5	82	6.4	97	3.5	91	2.2	66	1.5
12	11	0.34	44	1.3	98	8.8	100	3.7	69	1.6	55	1.2
13	9	0.27	40	1.9	75	3.4	103	3.1	62	1.5	81	1.8
14	9	0.27	36	1.5	51	2.0	98	2.8	46	1.1	69	1.7
15	10	0.30	32	1.2	58	2.0	116	3.2	34	0.79	63	1.4
16	10	0.31	31	1.1	112	13	131	5.8	66	1.5	52	1.2
17	11	0.33	41	1.5	211	23	117	4.1	74	1.8	71	1.6
18	10	0.27	52	2.8	113	4.4	108	2.7	70	1.7	72	1.7
19	11	0.32	55	2.2	89	3.0	122	3.0	69	1.7	61	1.4
20	11	0.33	54	2.0	106	3.2	130	3.3	75	1.8	55	1.3
21	12	0.36	290	42	264	18	204	11	83	2.0	63	1.5
22	32	0.90	1,540	1,640	136	5.8	154	5.4	91	2.2	76	1.8
23	49	1.3	1,670	8,120	54	1.7	122	3.3	95	2.4	60	1.4
24	69	1.9	1,340	1,340	57	1.8	111	2.7	98	2.5	46	1.1
25	73	2.2	281	114	65	1.8	100	2.3	99	2.7	36	0.87
26	55	1.5	72	10	69	1.9	98	2.2	81	2.1	62	1.5
27	58	1.5	67	7.2	74	1.9	98	2.1	60	2.9	57	1.4
28	45	1.2	61	4.9	73	1.8	98	2.1	63	2.0	59	1.4
29	43	1.1	426	113	53	1.3	97	2.3	72	2.0	68	1.6
30	45	1.2	218	33	49	1.1	87	2.0	71	1.8	61	1.5
31	---	---	147	22	---	---	75	1.7	83	2.0	---	---
TOTAL	---	24.52	---	11,476.15	---	140.6	---	95.36	---	101.29	---	46.77
YEAR	12,852.87											

05389400 BLOODY RUN CREEK NEAR MARQUETTE, IA—Continued



05389400 BLOODY RUN CREEK NEAR MARQUETTE, IA—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.--December 1991 to current year.

INSTRUMENTATION.--Tipping bucket rain gage.

REMARKS.--Water years 1992-1995 in files at the District office. Records good except for winter period, which is poor due to intermittent snow accumulation and subsequent melting.

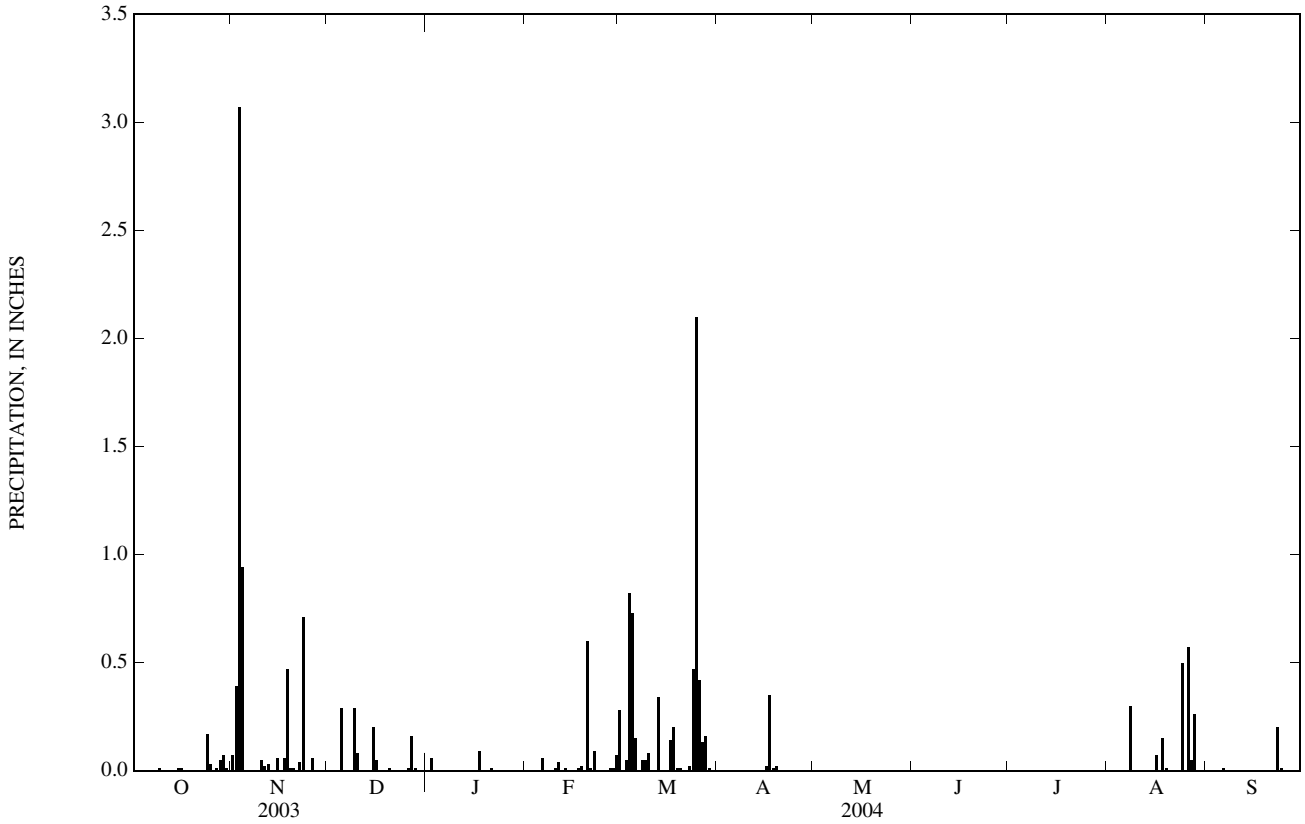
EXTREME FOR PERIOD OF RECORD.--Maximum daily accumulation, 3.07 in., Novmeber 3, 2003.

EXTREME FOR CURRENT YEAR.--Maximum daily accumulation, unable to determine, gage malfunction during annual peak.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.07	0.00	0.00	0.00	0.28	0.00	---	---	---	---	0.00
2	0.00	0.39	0.00	0.06	0.00	0.00	0.00	---	---	---	---	0.00
3	0.00	3.07	0.00	0.00	0.00	0.05	0.00	---	---	---	---	0.00
4	0.00	0.94	0.00	0.00	0.00	0.82	0.00	---	---	---	0.00	0.00
5	0.00	0.00	0.29	0.00	0.00	0.73	0.00	---	---	---	0.00	0.00
6	0.00	0.00	0.00	0.00	0.06	0.15	0.00	---	---	---	0.00	0.01
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.05	0.00	---	---	---	0.30	0.00
9	0.01	0.00	0.29	0.00	0.00	0.05	0.00	---	---	---	0.00	0.00
10	0.00	0.05	0.08	0.00	0.01	0.08	0.00	---	---	---	0.00	0.00
11	0.00	0.02	0.00	0.00	0.04	0.00	0.00	---	---	---	0.00	0.00
12	0.00	0.03	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00
13	0.00	0.00	0.00	0.00	0.01	0.34	0.00	---	---	---	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00
15	0.01	0.06	0.20	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00
16	0.01	0.00	0.05	0.00	0.00	0.00	0.02	---	---	---	0.07	0.00
17	0.00	0.06	0.00	0.09	0.01	0.14	0.35	---	---	---	0.00	0.00
18	0.00	0.47	0.00	0.00	0.02	0.20	0.01	---	---	---	0.15	0.00
19	0.00	0.01	0.00	0.00	0.00	0.01	0.02	---	---	---	0.01	0.00
20	0.00	0.01	0.01	0.00	0.60	0.01	---	---	---	---	0.00	0.00
21	0.00	0.00	0.00	0.01	0.01	0.00	---	---	---	---	0.00	0.00
22	0.00	0.04	0.00	0.00	0.09	0.00	---	---	---	---	0.00	0.00
23	0.00	0.71	0.00	0.00	0.00	0.02	---	---	---	---	0.00	0.20
24	0.17	0.00	0.00	0.00	0.00	0.47	---	---	---	---	0.50	0.01
25	0.03	0.00	0.00	0.00	0.00	2.10	---	---	---	---	0.00	0.00
26	0.00	0.06	0.01	0.00	0.00	0.42	---	---	---	---	0.57	0.00
27	0.01	0.00	0.16	0.00	0.01	0.13	---	---	---	---	0.05	0.00
28	0.05	0.00	0.01	0.00	0.01	0.16	---	---	---	---	0.26	0.00
29	0.07	0.00	0.00	0.00	0.07	0.01	---	---	---	---	0.00	0.00
30	0.01	0.00	0.00	0.00	---	0.00	---	---	---	---	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	---	---	---	0.00	---
TOTAL	0.37	5.99	1.10	0.16	0.94	6.22	---	---	---	---	---	0.22
MEAN	0.01	0.20	0.04	0.01	0.03	0.20	---	---	---	---	---	0.01
MAX	0.17	3.07	0.29	0.09	0.60	2.10	---	---	---	---	---	0.20
MIN	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---	0.00

05389400 BLOODY RUN CREEK NEAR MARQUETTE, IA—Continued



05389500 MISSISSIPPI RIVER AT MCGREGOR, IA

LOCATION.--Lat 43°01'37"(revised), long 91°10'21", in SE¼ SE¼ sec.22, T.95 N., R.3 W., Clayton County, Hydrologic Unit 07060001, on right bank in city park at east end of Main Street in McGregor, 2.6 mi upstream from Wisconsin River, 4.3 mi downstream from Yellow River, and at mile 633.4 upstream from Ohio River.

DRAINAGE AREA.--67,500 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1936 to current year.

REVISED RECORDS.--WDR IA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 604.84 ft above NGVD of 1929. Prior to June 1, 1937, and since June 2, 1939, auxiliary water-stage recorder; June 1, 1937 to June 1, 1939, auxiliary nonrecording gage 14.1 mi upstream in tailwater of dam 9, at datum 5.30 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minor flow regulation caused by navigation dams. U.S. Geological Survey data collection platform with satellite and telephone modem telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1828, 25.38 ft. of on Apr. 24, 1965; Maximum discharge since at least 1828, 276,000 cfs on Apr. 24, 1965.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17,800	18,000	16,600	16,600	e13,500	e20,700	69,000	53,400	72,800	50,400	26,400	17,300
2	12,900	19,500	15,900	16,900	e13,600	e29,700	74,700	50,500	75,300	44,200	25,100	17,900
3	e13,400	21,500	15,000	16,800	e14,200	43,200	80,400	43,900	77,700	39,000	19,700	16,800
4	12,500	22,600	15,600	e15,100	e15,500	45,800	83,500	37,400	81,700	37,100	31,500	16,500
5	13,200	21,100	17,200	e14,300	e15,600	48,000	83,400	36,300	87,100	34,500	34,300	16,900
6	15,700	16,900	18,300	e13,900	e15,600	49,200	82,300	34,000	91,200	37,400	23,600	17,500
7	16,100	16,200	18,300	e14,600	e15,400	49,300	79,400	32,200	94,000	41,700	22,400	19,400
8	16,100	17,000	18,400	e14,600	e15,100	45,700	75,000	30,800	95,300	42,200	25,500	19,800
9	13,500	17,500	19,800	e14,500	e14,800	36,100	69,500	37,300	96,600	42,300	25,000	20,000
10	12,500	17,400	20,600	e13,700	e14,800	29,500	62,700	38,200	97,600	43,400	23,500	23,200
11	12,400	17,600	18,500	e13,300	e15,000	26,900	56,300	35,900	101,000	44,100	23,000	24,500
12	13,100	16,100	19,000	e13,100	e15,000	26,200	51,300	34,200	102,000	41,800	23,700	24,600
13	16,300	17,100	16,900	e13,100	e14,800	28,100	47,200	36,300	103,000	39,800	24,400	23,300
14	18,500	17,400	13,900	e13,100	e14,800	31,000	44,100	38,600	106,000	42,600	24,800	21,300
15	20,400	18,700	9,590	e13,100	e14,900	35,400	43,600	37,400	110,000	43,700	24,800	25,700
16	17,200	19,000	9,620	e13,200	e14,800	35,300	40,600	37,900	113,000	43,700	23,800	38,400
17	13,100	19,100	11,900	e13,300	e15,000	32,200	37,900	40,600	114,000	43,500	22,800	44,500
18	11,500	22,300	14,500	e13,500	e15,300	30,700	35,100	45,400	114,000	42,600	24,400	48,500
19	13,800	23,900	19,600	e13,400	e15,200	30,500	33,800	44,900	110,000	41,800	25,800	51,600
20	9,990	e22,200	22,300	e13,300	e15,300	33,200	36,400	41,200	106,000	41,300	23,300	50,900
21	12,700	e19,200	22,200	e13,400	e15,600	36,100	40,000	42,800	101,000	42,700	20,300	48,500
22	12,900	e18,600	21,100	e13,400	e15,800	35,600	40,800	55,500	96,300	42,700	17,400	45,700
23	14,000	e19,600	19,400	e13,400	e16,700	34,400	44,300	63,200	91,200	38,100	17,600	43,800
24	15,900	e21,100	19,500	e13,300	e20,100	33,400	46,900	65,700	87,500	31,700	18,400	42,700
25	18,700	e17,900	19,400	e13,200	e20,100	32,900	50,500	59,900	83,500	28,800	19,500	43,300
26	18,700	17,900	19,000	e13,100	e18,700	35,500	52,800	58,600	79,300	29,900	20,400	44,900
27	16,600	18,400	18,500	e13,100	e18,800	37,600	53,500	59,500	75,200	28,700	23,500	45,100
28	11,900	18,500	18,100	e13,000	e18,000	42,800	53,800	61,300	71,800	24,000	24,300	44,800
29	10,900	17,300	17,500	e13,100	e18,400	52,800	54,100	66,300	65,300	19,400	21,100	43,900
30	12,900	15,800	17,200	e13,100	---	58,800	54,000	69,000	57,400	16,900	17,700	42,700
31	16,800	---	16,500	e13,300	---	63,800	---	71,100	---	22,900	17,000	---
TOTAL	451,990	565,400	539,910	428,800	460,400	1,170,400	1,676,900	1,459,300	2,756,800	1,162,900	715,000	984,000
MEAN	14,580	18,850	17,420	13,830	15,880	37,750	55,900	47,070	91,890	37,510	23,060	32,800
MAX	20,400	23,900	22,300	16,900	20,100	63,800	83,500	71,100	114,000	50,400	34,300	51,600
MIN	9,990	15,800	9,590	13,000	13,500	20,700	33,800	30,800	57,400	16,900	17,000	16,500
AC-FT	896,500	1,121,000	1,071,000	850,500	913,200	2,321,000	3,326,000	2,895,000	5,468,000	2,307,000	1,418,000	1,952,000
CFSM	0.22	0.28	0.26	0.20	0.24	0.56	0.83	0.70	1.36	0.56	0.34	0.49
IN.	0.25	0.31	0.30	0.24	0.25	0.65	0.92	0.80	1.52	0.64	0.39	0.54

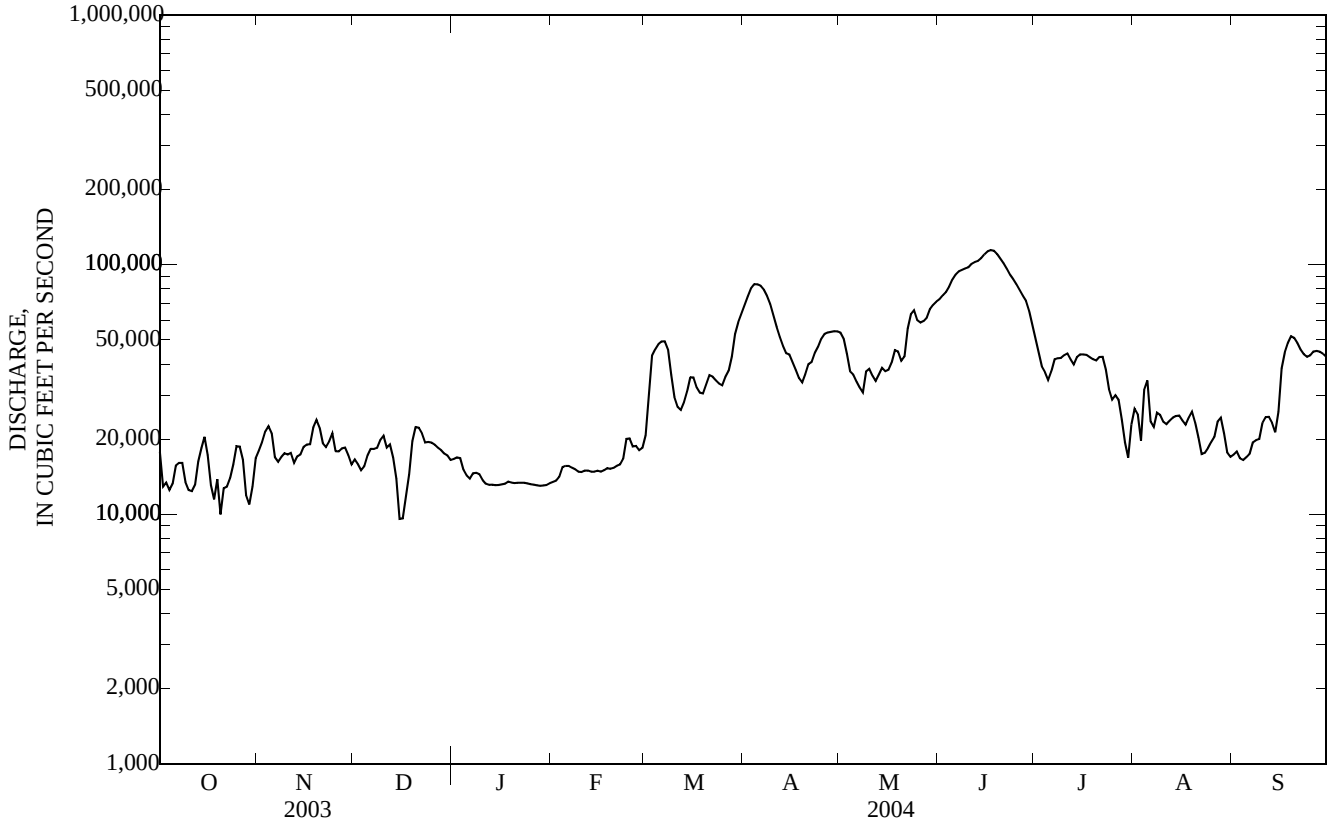
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

MEAN	28,700	29,290	22,420	19,400	20,170	39,220	75,590	62,390	50,650	41,690	28,310	28,800
MAX	114,600	64,840	59,200	35,700	48,540	103,800	164,800	138,700	112,600	142,200	84,430	72,890
(WY)	(1987)	(1983)	(1992)	(1983)	(1984)	(1983)	(1965)	(2001)	(1993)	(1993)	(1993)	(1986)
MIN	9,874	10,870	9,506	7,665	9,934	13,190	27,780	18,240	13,420	11,220	10,330	10,650
(WY)	(1937)	(1938)	(1937)	(1940)	(1940)	(1940)	(1990)	(1977)	(1988)	(1988)	(1964)	(1940)

05389500 MISSISSIPPI RIVER AT MCGREGOR, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL TOTAL	11,940,440		12,371,800			
ANNUAL MEAN	32,710		33,800		37,270	
HIGHEST ANNUAL MEAN					64,720	1993
LOWEST ANNUAL MEAN					17,400	1977
HIGHEST DAILY MEAN	113,000	May 20	114,000	Jun 17 a	276,000	Apr 24, 1965
LOWEST DAILY MEAN	9,510	Sep 7	9,590	Dec 15	6,200	Dec 9, 1936
ANNUAL SEVEN-DAY MINIMUM	11,500	Aug 25	12,600	Oct 17	6,490	Dec 7, 1936
MAXIMUM PEAK FLOW			115,000	Jun 16	276,000	Apr 24, 1965
MAXIMUM PEAK STAGE			17.30	Jun 18	25.38	Apr 24, 1965
ANNUAL RUNOFF (AC-FT)	23,680,000		24,540,000		27,000,000	
ANNUAL RUNOFF (CFSM)	0.485		0.501		0.552	
ANNUAL RUNOFF (INCHES)	6.58		6.82		7.50	
10 PERCENT EXCEEDS	68,500		70,000		75,800	
50 PERCENT EXCEEDS	20,400		23,600		27,800	
90 PERCENT EXCEEDS	13,700		13,400		13,400	

a also June 18.
e Estimated



05389500 MISSISSIPPI RIVER AT MCGREGOR, IA—Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected from right bank dock 1.2 mi upstream from discharge station. Prior to April 1981, and March 7 to Sept. 30, 1997, samples collected at bridge on U.S. Highway 18, 1.2 mi upstream from gage. April 1981 to March 6, 1997, samples collected from right bank dock, 0.3 mi downstream from discharge station.

PERIOD OF RECORD.--July 1975 to September 30, 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1975 to September 30, 2004 (discontinued).
WATER TEMPERATURES: July 1975 to September 30, 2004 (discontinued).
SUSPENDED-SEDIMENT DISCHARGE: July 1975 to September 30, 2004 (discontinued).

REMARKS.--Records of specific conductance are obtained from suspended-sediment samples at time of analysis.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 633 microsiemens Nov. 3, 1996; minimum daily, 190 microsiemens Sept. 29, 1980.
WATER TEMPERATURES: Maximum daily, 31.0°C June 28, 2002; minimum daily, 0.0°C on many days during winter periods.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,350 mg/L Mar. 19, 1986; minimum daily mean, 1 mg/L on many days in 1977-92 and 1999.
SEDIMENT LOADS: Maximum daily, 363,000 tons Mar. 19, 1986; minimum daily, 31 tons Dec. 25, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 504 microsiemens July 25; minimum daily, 246 microsiemens May 22.
WATER TEMPERATURES: Maximum daily, 29.0°C, July 20; minimum daily, 0.0°C many days Dec.- Feb.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 445 mg/L May 22; minimum daily mean, 2 mg/L Feb. 15, 16, 25.
SEDIMENT LOADS: Maximum daily, 66,700 tons May. 22; minimum daily, 84 tons Feb 16.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT					
22...	1230	20,800	97	17	955
NOV					
25...	1200	21,700	100	44	2,580
MAR					
10...	1300	35,300	100	29	2,760
APR					
20...	1250	38,300	98	29	3,000
MAY					
19...	1150	53,900	94	34	4,950
JUN					
21...	1200	147,000	97	27	10,700
AUG					
03...	1230	21,700	99	11	644

05389500 MISSISSIPPI RIVER AT MCGREGOR, IA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, LABORATORY, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	427	---	---	404	---	---	328	467	484	434
2	---	---	430	---	474	397	---	275	348	---	470	---
3	---	400	428	---	390	404	---	285	---	---	470	---
4	---	405	---	---	373	---	---	288	---	---	449	---
5	---	402	---	416	---	---	254	---	---	472	---	---
6	407	408	---	442	---	351	280	---	---	480	---	430
7	410	---	---	452	---	---	306	---	316	470	---	430
8	409	---	---	---	418	---	---	---	318	---	450	---
9	---	---	423	---	514	364	---	296	350	---	452	428
10	---	342	---	---	452	374	---	287	---	---	---	---
11	---	372	416	---	---	---	356	---	349	471	---	---
12	---	414	422	446	---	---	362	302	---	---	---	428
13	406	---	---	443	---	394	364	---	352	466	---	426
14	---	---	435	444	---	---	---	---	363	478	---	426
15	360	---	440	---	426	404	---	---	358	---	456	---
16	391	---	438	---	434	413	---	304	---	---	460	---
17	---	416	366	---	463	---	---	---	---	---	462	---
18	---	416	---	---	---	---	---	310	---	486	---	---
19	384	419	---	459	---	---	318	287	---	488	---	380
20	382	---	---	468	---	430	320	301	388	486	---	378
21	383	---	---	467	---	394	318	---	416	---	---	---
22	392	---	424	---	---	440	321	246	405	---	442	396
23	---	---	449	---	456	---	---	256	---	---	444	---
24	---	416	---	---	---	---	---	292	---	---	---	---
25	---	413	440	472	455	---	308	314	---	504	---	---
26	388	419	---	474	456	---	294	333	---	---	436	432
27	390	---	---	465	---	---	266	---	---	---	---	444
28	---	---	---	441	---	---	---	---	448	---	---	---
29	400	---	448	---	---	440	---	348	454	498	---	---
30	408	---	444	---	---	439	---	---	---	---	437	---
31	---	---	354	---	---	406	---	319	---	488	434	---

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	1.0	---	---	1.0	---	---	19.0	25.0	26.0	26.0
2	---	---	1.0	---	0.0	1.0	---	15.0	20.0	---	28.0	---
3	---	8.0	1.0	---	0.0	1.0	---	15.0	---	---	29.0	---
4	---	7.0	---	---	0.0	---	---	16.0	---	---	27.0	---
5	---	6.0	---	0.0	---	---	10.0	---	---	27.0	---	---
6	12.0	6.0	---	0.0	---	1.0	12.0	---	---	26.0	---	25.0
7	14.0	---	---	0.0	---	---	12.0	---	24.0	24.0	---	25.0
8	15.0	---	---	---	0.0	---	---	---	25.0	---	26.0	---
9	---	---	1.0	---	0.0	1.0	---	18.0	25.0	---	26.0	25.0
10	---	4.0	---	---	0.0	2.0	---	19.0	---	---	---	---
11	---	4.0	0.0	---	---	---	12.0	---	23.0	25.0	---	---
12	---	4.0	0.0	0.0	---	---	12.0	21.0	---	---	---	25.0
13	15.0	---	---	0.0	---	1.0	12.0	---	23.0	27.0	---	25.0
14	---	---	0.0	0.0	---	---	---	---	24.0	27.0	---	26.0
15	14.0	---	1.0	---	0.0	1.0	---	---	24.0	---	23.0	---
16	12.0	---	1.0	---	0.0	1.0	---	19.0	---	---	23.0	---
17	---	5.0	1.0	---	0.0	---	---	---	---	---	23.0	---
18	---	6.0	---	---	---	---	---	20.0	---	27.0	---	---
19	14.0	5.0	---	0.0	---	---	17.0	17.6	---	28.0	---	22.0
20	14.0	---	---	0.0	---	7.0	14.3	22.0	23.0	29.0	---	22.0
21	13.0	---	---	0.0	---	6.0	15.0	---	21.1	---	---	---
22	13.0	---	1.0	---	---	6.0	15.0	20.0	22.0	---	23.0	22.0
23	---	---	1.0	---	0.0	---	---	21.0	---	---	24.0	---
24	---	3.0	---	---	---	---	---	19.0	---	---	---	---
25	---	3.0	0.0	0.0	0.0	---	15.0	20.0	---	26.0	---	---
26	10.0	2.0	---	0.0	0.0	---	14.0	19.0	---	---	25.0	21.0
27	9.0	---	---	0.0	---	---	14.0	---	---	---	---	20.0
28	---	---	---	0.0	---	---	---	---	22.0	---	---	---
29	9.0	---	0.0	---	---	12.0	---	20.0	23.0	28.0	---	---
30	9.0	---	1.0	---	---	11.0	---	---	---	---	25.0	---
31	---	---	1.0	---	---	11.0	---	20.0	---	27.0	25.0	---

05389500 MISSISSIPPI RIVER AT MCGREGOR, IA—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

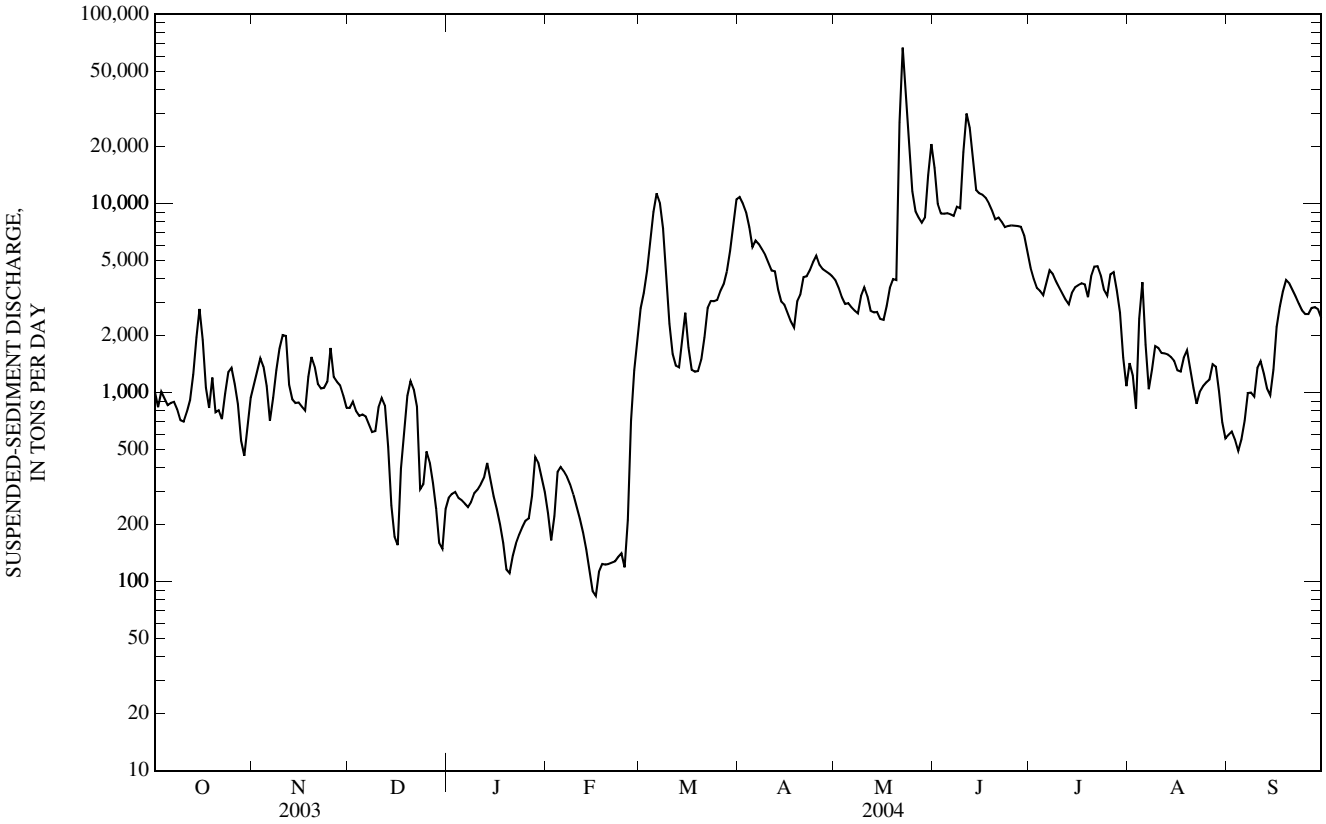
Day	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21	1,010	23	1,100	18	828	6	278	6	230	50	2,790
2	24	836	25	1,300	21	894	6	291	4	165	42	3,370
3	28	1,010	26	1,520	20	797	7	298	6	222	38	4,390
4	28	932	22	1,370	18	752	7	277	9	381	51	6,320
5	24	859	19	1,080	17	765	7	270	10	404	69	8,990
6	21	881	16	709	15	747	7	259	9	383	85	11,300
7	21	893	21	935	14	679	6	248	9	358	76	10,100
8	19	814	29	1,310	12	617	7	264	8	326	60	7,380
9	20	713	36	1,710	12	625	8	294	7	288	43	4,290
10	22	701	43	2,010	15	835	8	307	6	248	29	2,310
11	24	790	42	1,990	19	935	9	327	5	215	22	1,600
12	26	914	26	1,100	17	853	10	354	4	182	20	1,390
13	28	1,250	20	920	11	516	12	424	4	148	18	1,360
14	39	1,960	19	880	7	253	10	347	3	116	23	1,890
15	50	2,770	18	885	7	173	8	283	2	89	28	2,640
16	40	1,900	16	842	6	156	7	242	2	84	18	1,730
17	30	1,060	16	804	12	397	6	201	3	113	15	1,320
18	27	829	20	1,210	16	623	4	160	3	124	15	1,290
19	32	1,200	24	1,540	18	960	3	116	3	123	16	1,300
20	29	786	23	1,370	19	1,150	3	111	3	124	17	1,490
21	24	806	22	1,110	17	1,040	4	137	3	126	20	1,960
22	21	723	21	1,050	15	842	4	159	3	128	29	2,800
23	26	986	20	1,060	6	308	5	177	3	135	33	3,050
24	30	1,280	20	1,140	6	328	5	194	3	141	34	3,040
25	27	1,350	33	1,720	9	488	6	210	2	119	35	3,090
26	22	1,110	25	1,210	8	427	6	216	4	212	36	3,440
27	19	866	23	1,140	7	332	8	283	14	711	37	3,740
28	17	556	22	1,090	5	242	13	456	27	1,310	38	4,380
29	16	463	21	963	3	160	12	424	39	1,940	39	5,600
30	18	643	19	831	3	149	10	354	---	---	47	7,510
31	21	938	---	---	5	242	8	298	---	---	61	10,500
TOTAL	---	31,829	---	35,899	---	18,113	---	8,259	---	9,145	---	126,360

05389500 MISSISSIPPI RIVER AT MCGREGOR, IA—Continued

SUSPENDED-SEDIMENT—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Day	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)	Mean concentration (mg/l)	Load (tons/day)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	58	10,800	27	3,920	78	15,400	34	4,580	20	1,430	13	598
2	50	10,000	26	3,580	49	9,960	33	3,990	18	1,230	13	622
3	42	9,000	27	3,190	42	8,840	34	3,570	15	823	12	563
4	33	7,510	29	2,940	40	8,820	34	3,450	29	2,460	11	492
5	26	5,870	30	2,970	38	8,880	35	3,270	41	3,830	12	566
6	29	6,360	31	2,820	36	8,760	38	3,810	27	1,790	15	708
7	28	6,100	31	2,710	34	8,580	39	4,440	17	1,040	19	994
8	28	5,710	32	2,620	37	9,590	37	4,240	19	1,320	19	1,000
9	28	5,340	32	3,250	36	9,430	34	3,880	26	1,760	18	952
10	29	4,860	35	3,600	71	18,700	31	3,590	27	1,720	21	1,350
11	29	4,420	33	3,220	110	29,900	28	3,340	26	1,620	22	1,460
12	32	4,380	29	2,700	91	25,100	28	3,100	25	1,610	19	1,260
13	27	3,510	27	2,650	60	16,800	27	2,930	24	1,590	17	1,050
14	25	3,030	26	2,670	41	11,800	29	3,380	23	1,540	17	968
15	25	2,910	24	2,450	38	11,300	31	3,610	22	1,470	19	1,320
16	24	2,630	24	2,420	37	11,100	31	3,700	20	1,310	21	2,220
17	23	2,380	26	2,870	35	10,700	32	3,780	21	1,290	24	2,850
18	23	2,210	29	3,580	33	10,000	32	3,730	23	1,530	26	3,420
19	33	3,040	33	3,980	31	9,160	28	3,190	24	1,670	28	3,940
20	34	3,290	35	3,930	29	8,250	37	4,120	21	1,320	28	3,780
21	38	4,080	227	26,800	31	8,420	40	4,630	19	1,060	27	3,490
22	37	4,120	445	66,700	31	7,990	40	4,660	19	871	26	3,220
23	37	4,440	235	39,600	30	7,490	41	4,170	21	1,010	25	2,950
24	39	4,890	117	20,800	32	7,600	41	3,490	22	1,080	24	2,720
25	39	5,290	72	11,600	34	7,650	42	3,250	21	1,130	22	2,600
26	33	4,740	57	9,090	36	7,630	52	4,220	21	1,170	22	2,600
27	31	4,500	52	8,400	37	7,590	56	4,330	22	1,410	23	2,800
28	30	4,380	48	7,910	39	7,520	54	3,470	21	1,370	23	2,830
29	29	4,260	47	8,430	39	6,800	50	2,640	18	1,010	23	2,760
30	28	4,110	76	14,100	36	5,610	34	1,530	15	697	22	2,480
31	---	---	107	20,600	---	---	18	1,080	12	572	---	---
TOTAL	---	148,160	---	296,100	---	325,370	---	111,170	---	43,733	---	58,563
YEAR	1,212,701											

05389500 MISSISSIPPI RIVER AT MCGREGOR, IA—Continued



05411500 MISSISSIPPI RIVER AT CLAYTON, IA

LOCATION.--Lat 42°54'13", long 91°08'45", NE$^1/_4$ NW$^1/_4$ sec.1, T.93 N., R.3 W., Clayton County, Hydrologic Unit 07060003, 6 miles below the Wisconsin River.

DRAINAGE AREA.--79,200 mi^2.

PERIOD OF RECORD.--April 1930 to June 1936, January 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 602.60 ft above NGVD of 1929.

REMARKS.--Records good. U.S. Geological Survey data collection platform with satellite and telephone modem telemetry at station.

EXTREMES FOR CURRENT WATER YEAR.--Maximum gage height 19.29 ft on June 19; minimum gage height 11.14 ft on Oct 3.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 25.48 ft Apr. 20, 2001; minimum gage height 11.11 ft Aug. 20, 2003.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.53	11.35	11.26	11.49	11.55	12.27	13.38	12.65	15.43	12.67	11.78	11.54
2	11.27	11.41	11.36	11.43	11.65	12.42	13.87	12.55	15.45	12.27	11.73	11.51
3	11.20	11.56	11.42	11.43	11.68	12.45	14.53	12.36	15.41	11.96	11.40	11.41
4	11.33	11.54	11.43	11.48	11.69	12.46	15.19	12.09	15.50	11.83	11.70	11.37
5	11.37	11.44	11.47	11.59	11.69	12.57	15.64	11.94	15.77	11.85	11.93	11.37
6	11.45	11.44	11.42	11.78	11.68	12.45	15.61	11.89	16.21	12.10	11.78	11.52
7	11.43	11.38	11.38	11.77	11.69	12.35	15.09	11.87	16.56	12.29	11.45	11.56
8	11.40	11.49	11.37	11.66	11.73	12.35	14.63	11.84	16.71	12.34	11.65	11.46
9	11.40	11.46	11.44	11.60	11.80	12.10	14.20	12.12	16.78	12.33	11.58	11.51
10	11.29	11.49	11.57	11.63	11.75	11.74	13.67	12.31	16.79	12.35	11.51	11.56
11	11.26	11.45	11.56	11.72	11.67	11.61	13.02	12.23	16.92	12.47	11.48	11.65
12	11.37	11.30	11.45	11.68	11.71	11.61	12.64	12.03	17.12	12.34	11.55	11.60
13	11.48	11.31	11.43	11.67	12.04	11.84	12.44	12.22	17.30	12.12	11.58	11.57
14	11.52	11.41	11.39	11.71	12.29	12.05	12.21	12.26	17.53	12.16	11.64	11.47
15	11.54	11.45	11.30	11.68	12.36	12.23	12.15	12.33	17.93	12.23	11.64	11.54
16	11.43	11.41	11.33	11.59	12.40	12.27	11.96	12.31	18.51	12.24	11.55	11.94
17	11.26	11.34	11.47	11.48	12.30	11.95	11.83	12.37	19.07	12.25	11.46	12.13
18	11.34	11.46	11.58	11.41	12.22	11.73	11.81	12.57	19.24	12.21	11.39	12.29
19	11.44	11.61	11.66	11.39	12.19	11.68	11.99	12.71	19.21	12.15	11.51	12.39
20	11.36	11.49	11.70	11.36	12.18	11.87	12.04	12.55	18.96	12.06	11.47	12.43
21	11.36	11.33	11.73	11.38	12.18	12.10	12.19	12.53	18.59	12.17	11.39	12.34
22	11.46	11.36	11.75	11.36	12.24	12.15	12.23	13.35	18.02	12.20	11.31	12.18
23	11.40	11.47	11.77	11.36	12.37	12.09	12.24	14.11	17.41	11.94	11.43	12.08
24	11.39	11.49	11.66	11.32	12.49	12.02	12.39	14.76	16.79	11.71	11.50	12.07
25	11.55	11.53	11.55	11.34	12.52	12.00	12.43	14.66	16.11	11.57	11.49	12.04
26	11.56	11.55	11.52	11.39	12.46	12.17	12.63	14.31	15.53	11.63	11.57	12.11
27	11.49	11.45	11.53	11.47	12.39	12.19	12.71	14.10	15.00	11.68	11.63	12.17
28	11.27	11.47	11.62	11.56	12.01	12.45	12.71	14.10	14.49	11.62	11.63	12.21
29	11.30	11.35	11.67	11.62	12.07	12.71	12.61	14.34	13.99	11.54	11.56	12.18
30	11.38	11.27	11.59	11.53	---	12.85	12.66	14.89	13.29	11.42	11.49	12.11
31	11.44	---	11.55	11.49	---	13.00	---	15.28	---	11.59	11.45	---
MEAN	11.40	11.44	11.51	11.53	12.03	12.18	13.09	12.96	16.72	12.04	11.56	11.84
MAX	11.56	11.61	11.77	11.78	12.52	13.00	15.64	15.28	19.24	12.67	11.93	12.43
MIN	11.20	11.27	11.26	11.32	11.55	11.61	11.81	11.84	13.29	11.42	11.31	11.37

05411500 MISSISSIPPI RIVER AT CLAYTON, IA—Continued