

07022000 MISSISSIPPI RIVER AT THEBES, IL

Mississippi River Main Stem

LOCATION.--Lat 37°12'59.3", long 89°28'03.3" referenced to North American Datum of 1983, in sec.17, T.15 S., R.3 W., Alexander County, IL, Hydrologic Unit 07140105, near center span on downstream side of railroad bridge at Thebes, Illinois, 5.0 mi downstream from Headwater Diversion Channel, and at mile 43.7 above Ohio River.

DRAINAGE AREA.--713,200 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1932 to current year. Monthly discharge only for some periods, published in WSP 1311. Prior to April 1941, published as "at Cape Girardeau, Mo".

GAGE HEIGHT: March 1933 to February 1938 and October 1939 to current year. Prior to April 1941, published as "at Cape Girardeau, Mo". Since November 1878, under name of "at Grays Point" in files of the U.S. Army Corps of Engineers; January 1879 to May of 1896, published as "at Grays Point"; since May 1896, published as "at Cape Girardeau" in reports of the Mississippi River Commission; February 1891 to February 1894 and since 1904, published as "at Cape Girardeau" in reports of the National Weather Service.

REVISED RECORDS.--WSP 1341: 1844(M). WDR MO-76-1: Drainage area, WDR MO-98-1: Extreme outside period of record.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above National Geodetic Vertical Datum of 1929. Mar. 17, 1933, to Dec. 21, 1934, nonrecording gage; Dec. 22, 1934, to Apr. 4, 1941, water-stage recorder, at site 8.2 mi upstream at datum 4.65 ft higher; Apr. 5, 1941, to Sept. 30, 1941, nonrecording gage at present site and datum; Oct. 1, 1941, to Oct. 11, 1943, at datum 0.07 ft higher. Prior to Apr. 5, 1941, various auxiliary gages used. Since Oct. 1, 1943, former gage at Cape Girardeau used as auxiliary gage.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. Natural flow of stream affected by many reservoirs and navigation dams in the upper Mississippi River Basin and by many reservoirs and diversions for irrigation in the Missouri River Basin.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 4, 1844, reached an elevation of 345.14 ft, present datum, at Grays Point, from floodmarks, discharge, 1,075,000 ft³/s, computed by the U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 603,000 ft³/s, May 22, 23, gage height, 38.25 ft; minimum discharge, 99,900 ft³/s, Dec. 11, gage height, 7.75 ft.

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	255,000	209,000	119,000	418,000	136,000	218,000	480,000	461,000	435,000	369,000	186,000	297,000
2	248,000	198,000	120,000	408,000	136,000	236,000	489,000	504,000	414,000	340,000	177,000	311,000
3	236,000	185,000	120,000	383,000	136,000	246,000	481,000	540,000	395,000	318,000	165,000	310,000
4	226,000	173,000	115,000	353,000	132,000	239,000	467,000	565,000	382,000	303,000	157,000	289,000
5	217,000	161,000	111,000	327,000	124,000	216,000	453,000	575,000	369,000	314,000	156,000	240,000
6	210,000	153,000	110,000	305,000	117,000	202,000	440,000	576,000	358,000	347,000	148,000	204,000
7	204,000	146,000	109,000	277,000	121,000	202,000	424,000	572,000	352,000	353,000	145,000	189,000
8	195,000	142,000	107,000	253,000	138,000	196,000	408,000	563,000	345,000	321,000	143,000	171,000
9	191,000	137,000	106,000	244,000	139,000	188,000	396,000	566,000	339,000	296,000	138,000	160,000
10	189,000	142,000	101,000	236,000	136,000	197,000	392,000	559,000	333,000	280,000	133,000	152,000
11	187,000	165,000	102,000	231,000	146,000	236,000	402,000	555,000	333,000	271,000	135,000	147,000
12	178,000	177,000	107,000	220,000	218,000	292,000	411,000	552,000	349,000	269,000	142,000	147,000
13	168,000	172,000	108,000	207,000	271,000	380,000	421,000	550,000	387,000	274,000	153,000	144,000
14	162,000	167,000	110,000	200,000	305,000	437,000	443,000	538,000	425,000	278,000	163,000	137,000
15	160,000	164,000	114,000	191,000	326,000	463,000	460,000	523,000	434,000	275,000	166,000	134,000
16	157,000	160,000	119,000	181,000	326,000	476,000	461,000	510,000	423,000	279,000	166,000	131,000
17	155,000	155,000	127,000	167,000	317,000	480,000	451,000	e497,000	428,000	294,000	165,000	127,000
18	156,000	151,000	128,000	155,000	310,000	473,000	436,000	e483,000	452,000	292,000	167,000	125,000
19	158,000	150,000	122,000	155,000	297,000	457,000	424,000	e520,000	480,000	278,000	179,000	126,000
20	160,000	150,000	120,000	160,000	281,000	433,000	427,000	e558,000	501,000	253,000	201,000	124,000
21	157,000	152,000	129,000	156,000	271,000	401,000	422,000	581,000	513,000	228,000	230,000	121,000
22	152,000	153,000	133,000	148,000	255,000	364,000	420,000	596,000	505,000	210,000	284,000	123,000
23	146,000	151,000	125,000	143,000	236,000	335,000	423,000	596,000	484,000	199,000	302,000	128,000
24	146,000	e145,000	117,000	140,000	215,000	319,000	413,000	585,000	462,000	196,000	279,000	125,000
25	153,000	140,000	127,000	140,000	200,000	316,000	394,000	563,000	444,000	197,000	244,000	120,000
26	159,000	136,000	145,000	140,000	195,000	311,000	374,000	539,000	436,000	198,000	215,000	119,000
27	179,000	131,000	148,000	137,000	198,000	328,000	355,000	508,000	434,000	194,000	199,000	128,000
28	218,000	126,000	157,000	135,000	206,000	365,000	355,000	484,000	431,000	189,000	185,000	150,000
29	235,000	126,000	248,000	e134,000	---	401,000	368,000	470,000	419,000	195,000	183,000	165,000
30	231,000	125,000	345,000	133,000	---	427,000	401,000	458,000	398,000	200,000	217,000	160,000
31	220,000	---	401,000	135,000	---	455,000	---	448,000	---	197,000	266,000	---
Mean	187,400	154,700	140,300	213,300	210,300	331,900	423,000	535,300	415,300	264,700	186,700	166,800
Max	255,000	209,000	401,000	418,000	326,000	480,000	489,000	596,000	513,000	369,000	302,000	311,000
Min	146,000	125,000	101,000	133,000	117,000	188,000	355,000	448,000	333,000	189,000	133,000	119,000
In.	0.30	0.24	0.23	0.34	0.31	0.54	0.66	0.87	0.65	0.43	0.30	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2009, BY WATER YEAR (WY)

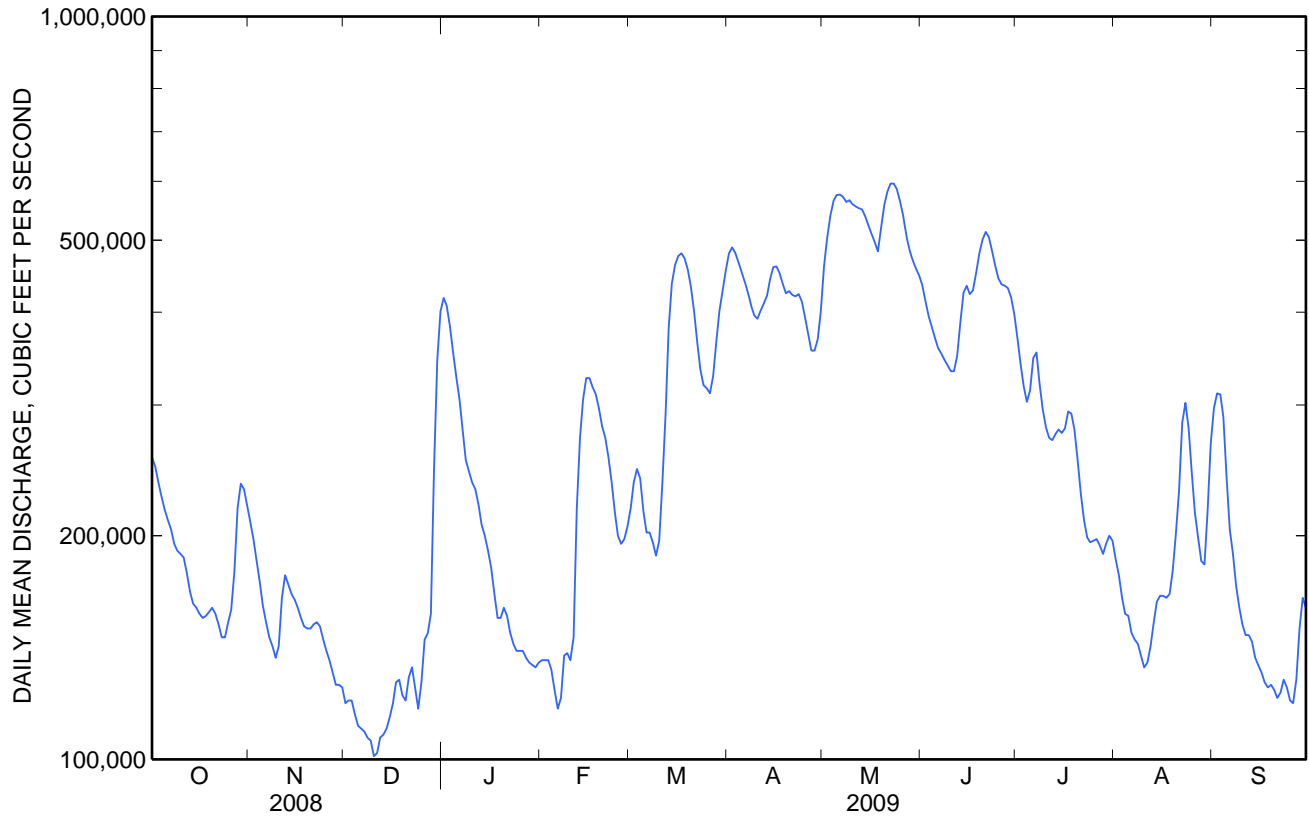
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	148,400	154,700	141,500	138,500	164,900	252,600	328,200	328,600	294,300	239,600	156,600	144,900
Max	589,600	389,000	531,700	341,300	350,400	542,000	731,000	655,800	584,100	765,500	768,000	539,300
(WY)	(1987)	(1986)	(1983)	(2005)	(1974)	(1985)	(1973)	(1973)	(1947)	(1993)	(1993)	(1993)
Min	45,500	50,080	53,850	33,650	46,920	80,260	115,600	88,170	72,350	73,290	45,000	59,890
(WY)	(1940)	(1940)	(1956)	(1940)	(1940)	(1934)	(1934)	(1934)	(1934)	(1936)	(1936)	(1937)

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1933 - 2009	
Annual mean	337,100		269,400		208,200	
Highest annual mean					446,000	1993
Lowest annual mean					71,730	1934
Highest daily mean	710,000	Jul 2	596,000	May 22 ^a	978,000	Aug 7, 1993
Lowest daily mean	101,000	Dec 10	101,000	Dec 10	24,700	Jan 21, 1940
Annual seven-day minimum	106,000	Dec 7	106,000	Dec 7	26,700	Jan 20, 1940
Maximum peak flow			603,000	May 22 ^a	996,000	Aug 7, 1993
Maximum peak stage			38.25	May 23	45.91	May 23, 1995
Instantaneous low flow			99,900	Dec 11	23,400	Dec 13, 1937
Annual runoff (inches)	6.43		5.13		3.97	
10 percent exceeds	591,000		478,000		408,000	
50 percent exceeds	283,000		218,000		167,000	
90 percent exceeds	127,000		127,000		77,300	

^a Also May 23



07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1974 to September 1981.

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

SUSPENDED-SEDIMENT: October 1980 to current year.

REMARKS.--National Stream-Quality Accounting Network (NASQAN) station January 1973 to September 1986. Illinois Environmental Protection Agency station October 1986 to September 1994 (during this period, samples were analyzed by the Illinois EPA). Re-established as a NASQAN station October 1994 to current year. Suspended-sediment station 1980 to current year. Sediment records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum daily, 31.5 °C, July 10, 11, 1975, and July 17, 1977; minimum daily, 0.0 °C, on several days during winter periods.

SPECIFIC CONDUCTANCE: Maximum daily, 705 microsiemens per centimeter, Aug. 5-7, 1980; minimum daily, 272 microsiemens per centimeter, Apr. 6, 1979.

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 3,890 mg/L, Dec. 22, 1985; minimum daily mean, 13 mg/L, Jan. 28, 1981.

SUSPENDED-SEDIMENT LOAD: Maximum daily, 6,280,000 tons, Mar. 1, 1985; minimum daily, 2,530 tons, Jan. 28, 1981.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 1,720 mg/L, Mar. 14; minimum daily mean, 47 mg/L, Dec. 13.

SUSPENDED-SEDIMENT LOAD: Maximum daily, 2,130,000 tons, May 3; minimum daily, 13,800 tons, Dec. 13.

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Medium name	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Instantaneous discharge, ft ³ /s (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, unfltrd field, std units (00400)	Specific conductance, wat unf μS/cm @ 25 degC (00095)
Oct									
15...	1420	Surface water	.117	.085	160,000	8.0	91	8.1	565
Dec									
10...	1415	Surface water	.121	.091	101,000	12.2	92	8.2	633
Feb									
24...	1130	Surface water	.153	.117	217,000	13.2	99	8.0	477
Mar									
16...	1515	Surface water	.184	.138	476,000	10.7	89	7.5	367
Apr									
06...	1520	Surface water	.138	.102	437,000	10.5	89	8.1	475
22...	0950	Surface water	.164	.126	419,000	9.1	88	7.5	470
May									
04...	1530	Surface water	.188	.142	566,000	5.6	58	7.7	370
27...	1045	Surface water	.158	.117	498,000	6.5	77	7.9	409
Jun									
08...	1450	Surface water	.136	.100	344,000	6.8	82	8.1	499
24...	0955	Surface water	.158	.118	465,000	5.7	73	7.9	414
Jul									
22...	0945	Surface water	.132	.098	211,000	6.4	79	7.7	533
22...	0953	<i>QC sample - Artificial</i>	<.014	<.012	--	--	--	--	--
Aug									
24...	1450	Surface water	.146	.111	275,000	5.3	65	7.3	414
24...	1451	<i>QC sample - Surface water</i>	--	--	--	--	--	--	--
Sep									
08...	1440	Surface water	.590	.546	169,000	6.9	82	7.5	475

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Temperature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt infl pt titr., field, mg/L (00453)	Total carbon, suspnd sedimnt total, mg/L (00694)	Carbon- ate, wat flt infl pt titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)
Oct													
15...	21.0	30	333	230	57.4	20.6	4.62	29.3	173	211	2.3	2	28.0
Dec													
10...	3.5	E12	410	270	68.5	23.8	4.43	30.5	204	249	2.1	1.3	32.9
Feb													
24...	2.8	110	288	190	46.3	16.9	5.64	24.3	160	193	4.4	.9	32.2
Mar													
16...	7.0	580	216	150	39.6	12.1	4.94	13.9	150	182	12.4	.2	21.3
Apr													
06...	9.6	130	271	200	50.2	17.6	4.18	17.5	149	180	5.5	.6	23.7
22...	13.5	84	286	200	49.5	17.5	3.76	17.2	152	185	4.9	.2	22.9
May													
04...	16.8	610	230	160	43.2	13.5	4.03	11.9	120	146	10.9	.3	15.7
27...	22.2	160	249	180	46.4	15.6	3.73	13.1	134	162	5.5	.5	18.2
Jun													
08...	23.0	93	301	210	52.5	19.4	3.88	18.4	154	185	3.8	1.2	20.9
24...	26.9	340	242	170	44.1	15.6	3.92	13.8	129	157	6.9	.6	16.9
Jul													
22...	24.6	100	316	210	51.8	19.2	4.21	21.7	172	208	3.9	.7	20.1
22...	--	--	--	M	.04	E.006	.012	E.06	--	--	E.2	--	.09
Aug													
24...	25.0	270	242	160	40.8	14.6	4.19	18.9	123	150	10.1	.2	16.8
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
08...	23.3	99	285	180	45.0	16.5	4.50	23.8	136	164	2.9	.5	22.0

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Fluor- ide, water, fltrd, mg/L (00950)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia	Ammonia	Nitrate + Nitrite water, fltrd, mg/L (00631)	Ortho- phos- phate, water, fltrd, mg/L (00671)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)		
					+ org-N, water, fltrd, mg/L as N (00623)	+ org-N, water, unfltrd mg/L as N (00625)						Ammonia water, fltrd, mg/L as N (00608)	
Oct													
15...	.27	<.04	7.57	60.7	.37	.72	<.020	1.12	.013	.118	.31	.124	.225
Dec													
10...	.28	<.04	11.2	66.2	.38	.68	E.013	2.43	.009	.098	.30	.106	.228
Feb													
24...	.24	.3	9.09	39.1	1.6	1.4	.225	2.60	.022	.109	.59	.174	.39
Mar													
16...	.21	.2	8.46	28.4	.73	2.5	.141	2.60	.029	.101	1.38	.113	.72
Apr													
06...	.18	<.04	8.36	36.5	.49	1.1	.026	2.68	.020	.094	.53	.098	.388
22...	.21	<.04	7.37	41.1	.56	1.0	<.020	2.37	.013	.062	.66	.081	.280
May													
04...	.20	<.04	8.13	33.5	1.2	1.9	<.020	2.21	.040	.051	1.11	.085	.62
27...	.27	M	8.17	34.2	.58	1.2	<.020	2.73	.051	.078	.81	.098	.438
Jun													
08...	.25	.2	8.13	47.7	.72	.95	<.020	2.83	.026	.089	.59	.123	.359
24...	.23	.3	9.31	32.2	.51	1.8	<.020	2.79	.003	.119	1.12	.124	.748
Jul													
22...	.27	E.1	10.4	61.5	.47	.84	<.020	2.51	.008	.140	.44	.152	.365
22...	<.02	<.04	.04	<.02	--	--	<.020	<.016	<.002	<.008	<.02	--	--
Aug													
24...	.24	<.04	7.76	48.9	.48	1.6	<.020	1.18	E.002	.117	1.08	.127	.689
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
08...	.27	M	9.44	55.8	.40	.83	<.020	1.46	.005	.150	.37	.163	.373

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Microbiology results with a remark code of E are based on non-ideal colony counts.]

Date	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)	Iron, water, fltrd, µg/L (01046)	Lithium water, fltrd, µg/L (01130)	Stront- ium, water, fltrd, µg/L (01080)	Vana- dium, water, fltrd, µg/L (01085)	Arsenic water, fltrd, µg/L (01000)	Boron, water, fltrd, µg/L (01020)	Selen- ium, water, fltrd, µg/L (01145)	1-Naph- thol, water, fltrd 0.7µ GF µg/L (49295)	2,6-Di- ethyl- aniline water, fltrd 0.7µ GF µg/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)
Oct													
15...	58	580	5	11.3	218	2.4	2.2	58	.88	<.04	<.006	<.010	E.057
Dec													
10...	360	E350	7	12.4	286	1.7	2.0	62	1.3	<.04	<.006	<.010	E.047
Feb													
24...	E10	120	17	5.7	158	1.4	1.4	34	.88	<.04	<.006	<.010	E.051
Mar													
16...	350	500	16	3.5	128	1.6	1.1	22	.71	<.04	<.006	<.010	E.031
Apr													
06...	100	170	9	4.7	155	1.5	1.2	31	.85	<.04	<.006	<.010	E.059
22...	350	500	15	6.3	165	1.7	1.3	35	.88	<.04	<.006	<.010	E.040
May													
04...	400	E480	7	5.0	166	2.4	1.5	34	.74	<.04	<.006	<.010	E.168
27...	390	E680	6	4.3	140	2.0	1.6	34	.77	<.04	<.006	<.010	E.209
Jun													
08...	E77	88	6	8.4	174	2.2	1.8	45	1.0	<.04	<.006	<.010	E.233
24...	460	300	4	5.2	152	2.8	2.0	36	.87	<.04	<.006	<.010	E.230
Jul													
22...	90	E140	E2	11.4	216	3.6	2.9	53	1.4	<.04	<.006	<.010	E.175
22...	--	--	<4	<1.0	<.80	<.16	<.06	<4	<.06	<.04	<.006	<.010	<.014
Aug													
24...	E220	390	5	9.6	174	4.1	2.3	47	.88	<.04	<.006	<.010	E.122
24...	--	--	--	--	--	--	--	--	--	E.03	.108	.156	E.200
Sep													
08...	370	560	7	11.5	188	3.3	2.6	59	.96	<.04	<.006	<.010	E.134

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	2-Ethyl-6-methyl-aniline wat flt µg/L (61620)	3,4-Di-chloro-aniline water, fltrd, µg/L (61625)	3,5-Di-chloro-aniline water, fltrd, µg/L (61627)	4-Chloro-2-methyl-phenol, wat flt µg/L (61633)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	alpha-Endo-sulfan, water, fltrd, µg/L (34362)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl oxon, water, fltrd, µg/L (61635)	Azin-phos-methyl, water, fltrd 0.7µ GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7µ GF µg/L (82673)	Car-baryl, water, fltrd 0.7µ GF µg/L (82680)	Carbo-furan, water, fltrd 0.7µ GF µg/L (82674)
Oct													
15...	<.010	<.004	<.004	<.005	.017	<.008	<.006	.143	<.04	<.120	<.014	<.200	<.060
Dec													
10...	<.010	<.004	<.004	<.005	.042	<.008	<.006	.163	<.04	<.120	<.014	<.200	<.060
Feb													
24...	<.010	<.004	<.004	<.005	.036	<.008	<.006	.127	<.04	<.120	<.014	<.200	<.060
Mar													
16...	<.010	<.004	<.004	<.005	.049	E.005	<.006	.125	<.04	<.120	<.014	<.200	<.060
Apr													
06...	<.010	<.004	<.004	<.005	.034	E.006	<.006	.170	<.04	<.120	<.014	<.200	<.060
22...	<.010	E.005	<.004	<.005	.034	E.006	<.006	.244	<.04	<.120	<.014	E.008	E.012
May													
04...	<.010	<.004	<.004	<.005	.458	.031	<.006	3.93	<.04	<.120	<.014	<.200	<.060
27...	<.010	E.003	<.004	<.005	.569	.018	<.006	E3.85	<.04	<.120	<.014	<.200	<.060
Jun													
08...	E.002	E.005	<.004	<.005	.545	.015	<.006	3.44	<.04	<.120	<.014	<.200	<.060
24...	<.010	E.007	<.004	<.005	.312	.019	<.006	1.25	<.04	<.120	<.014	<.200	<.060
Jul													
22...	<.010	E.004	<.004	<.005	.056	.010	<.006	.608	<.04	<.120	<.014	<.200	<.060
22...	<.010	<.004	<.004	<.005	<.010	<.008	<.006	<.007	<.04	<.120	<.014	<.200	<.060
Aug													
24...	<.010	E.006	<.004	<.005	.031	.011	<.006	.264	<.04	<.120	<.014	<.200	<.060
24...	E.100	E.085	.100	E.083	.173	.162	.116	.366	E.17	E.172	.106	E.137	E.161
Sep													
08...	<.010	<.004	<.004	<.005	.025	.009	<.006	.205	<.04	<.120	<.014	<.200	<.060

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7µ GF µg/L (82687)	cis-Propi-conazole, water, fltrd, µg/L (79846)	Cyana-zine, water, fltrd, µg/L (04041)	Cyflu-thrin, water, fltrd, µg/L (61585)	Cyper-methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7µ GF µg/L (82682)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Diaz-oxon, water, fltrd, µg/L (61638)	Di-chlor-vo-s, water, fltrd, µg/L (38775)
Oct													
15...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005	--	<.02
Dec													
10...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	E.006	<.005	--	<.02
Feb													
24...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005	--	<.02
Mar													
16...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005	--	<.02
Apr													
06...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	E.004	<.005	--	<.02
22...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	E.004	<.005	--	<.02
May													
04...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005	--	<.02
27...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005	--	<.02
Jun													
08...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	E.004	<.005	--	<.02
24...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	E.003	<.005	<.01	<.02
Jul													
22...	<.05	<.010	<.014	E.006	<.040	<.016	<.020	<.006	<.029	E.002	<.005	<.01	<.02
22...	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	<.012	<.005	<.01	<.02
Aug													
24...	<.05	<.010	<.014	E.008	<.040	<.016	<.020	<.006	<.029	<.012	<.005	<.01	<.02
24...	E.02	.112	.099	E.098	.159	E.101	E.102	.144	E.174	.146	.135	.08	E.01
Sep													
08...	<.05	<.010	<.014	E.007	<.040	<.016	<.020	<.006	<.029	E.009	<.005	<.01	<.02

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Dicrotophos, water, fltrd, µg/L (38454)	Dieldrin, water, fltrd, µg/L (39381)	Dimethoate, water, fltrd, 0.7µ GF µg/L (82662)	Disulfoton sulfone water, fltrd, µg/L (61640)	Disulfoton water, fltrd, 0.7µ GF µg/L (82677)	Endosulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd, 0.7µ GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Ethion, water, fltrd, 0.7µ GF µg/L (82672)	Fenamiphos sulfone water, fltrd, µg/L (61645)	Fenamiphos sulf-oxide, water, fltrd, µg/L (61646)	Fenamiphos, water, fltrd, µg/L (61591)
Oct													
15...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
Dec													
10...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
Feb													
24...	<.08	<.009	<.006	<.01	<.04	<.022	E.005	<.02	<.012	<.016	<.053	<.08	<.03
Mar													
16...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
Apr													
06...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
22...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
May													
04...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
27...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
Jun													
08...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
24...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
Jul													
22...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
22...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03
Aug													
24...	<.08	<.009	<.006	<.01	<.04	E.009	<.002	<.02	<.012	<.016	<.053	<.08	<.03
24...	E.08	.140	E.082	.15	E.06	.148	.122	E.15	.142	.148	.174	<.08	.17
Sep													
08...	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	<.053	<.08	<.03

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 8 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa- zinone, water, fltrd, µg/L (04025)	Ipro- dione, water, fltrd, µg/L (61593)	Isofen- phos, water, fltrd, µg/L (61594)	lambda- Cyhalo- thrin, water, fltrd, µg/L (61595)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methid- athion, water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)
Oct													
15...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
Dec													
10...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
Feb													
24...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
Mar													
16...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
Apr													
06...	E.005	<.024	E.006	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
22...	<.013	<.024	E.003	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
May													
04...	<.013	<.024	E.008	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
27...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
Jun													
08...	<.013	<.024	E.004	<.010	<.008	<.014	<.006	<.010	<.080	<.020	E.007	<.006	<.01
24...	E.003	E.004	E.004	<.010	<.008	<.014	<.006	<.010	<.080	<.020	E.009	<.006	<.01
Jul													
22...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
22...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
Aug													
24...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01
24...	.168	.177	E.177	.118	.122	<.014	.156	E.043	.093	.129	.144	.150	E.08
Sep													
08...	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	<.007	<.006	<.01

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 9 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Methyl para- thion, water, fltrd 0.7µ GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Moli- nate, water, fltrd 0.7µ GF µg/L (82671)	Myclo- butanil water, fltrd, µg/L (61599)	Oxy- fluor- fen, water, fltrd, µg/L (61600)	Pendi- meth- alin, water, fltrd 0.7µ GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd 0.7µ GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Prome- ton, water, fltrd, µg/L (04037)	Prome- tryn, water, fltrd, µg/L (04036)
Oct													
15...	<.008	.051	<.016	<.002	<.010	<.006	<.012	<.03	<.020	--	<.200	E.01	<.006
Dec													
10...	<.008	.051	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	<.02	.007
Feb													
24...	<.008	.083	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	E.01	<.007
Mar													
16...	<.008	.056	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	E.01	E.004
Apr													
06...	<.008	.090	E.007	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	E.01	.006
22...	<.008	.074	E.007	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	E.01	.007
May													
04...	<.008	.591	.037	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	<.01	<.006
27...	<.008	.947	.021	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	E.01	<.006
Jun													
08...	<.008	1.00	E.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	<.01	<.006
24...	<.008	.866	.017	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	<.01	<.006
Jul													
22...	<.008	.270	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	E.01	<.006
22...	<.008	<.014	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	<.01	<.006
Aug													
24...	<.018	.128	E.010	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	<.01	<.008
24...	.132	.246	.138	.120	.137	.110	.139	E.11	.068	<.05	<.200	.08	.146
Sep													
08...	<.008	.097	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	<.200	.02	<.006

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 10 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Pro-panil, water, fltrd 0.7µ GF µg/L (82679)	Propar-gite, water, fltrd 0.7µ GF µg/L (82685)	Propy-zamide, water, fltrd 0.7µ GF µg/L (82676)	Sima-zine, water, fltrd, µg/L (04035)	Tebu-con-azole, water, fltrd, µg/L (62852)	Tebu-thiuron water, fltrd 0.7µ GF µg/L (82670)	Teflu-thrin, water, fltrd, µg/L (61606)	Ter-bufos-oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd 0.7µ GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Thio-bencarb water, fltrd 0.7µ GF µg/L (82681)	trans-Propi-cona-zole, water, fltrd, µg/L (79847)	Tribu-phos, water, fltrd, µg/L (61610)
Oct													
15...	<.014	<.02	<.004	.011	--	<.02	<.010	<.04	<.02	E.01	<.016	<.02	<.035
Dec													
10...	<.014	<.02	<.004	.016	--	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
Feb													
24...	<.014	<.02	<.004	.172	--	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
Mar													
16...	<.014	<.02	<.004	.077	--	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
Apr													
06...	<.014	<.02	<.004	.142	--	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
22...	<.014	<.02	<.004	.153	--	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
May													
04...	<.014	<.02	<.004	.147	--	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
27...	<.014	<.02	<.004	.085	--	<.02	<.010	<.04	<.02	M	<.016	<.02	<.035
Jun													
08...	<.014	<.02	<.004	.048	--	<.03	<.010	<.04	<.02	.01	<.016	<.02	<.035
24...	<.014	<.02	<.004	.030	<.02	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
Jul													
22...	<.014	<.02	<.004	.019	<.02	<.02	<.010	<.04	<.02	<.01	<.016	E.01	<.035
22...	<.014	<.02	<.004	<.010	<.02	<.02	<.010	<.04	<.02	<.01	<.016	<.02	<.035
Aug													
24...	<.014	<.02	<.004	.015	<.02	<.02	<.010	<.04	<.02	<.01	<.016	E.02	<.035
24...	.179	.16	.155	.150	.16	.20	E.081	.07	.11	.14	.141	E.10	E.123
Sep													
08...	<.014	<.02	<.004	.015	<.02	<.02	<.010	<.04	<.02	<.01	<.016	E.02	<.035

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 11 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Tri-fluor-alin, water, fltrd 0.7µ GF µg/L (82661)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Suspnd. sieve diametr percent <0.0625 mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
Oct					
15...	<.012	2.27	4.8	84	113
Dec					
10...	<.012	2.09	--	82	103
Feb					
24...	<.012	4.10	5.8	87	246
Mar					
16...	<.012	12.2	6.5	93	944
Apr					
06...	<.012	5.49	6.0	84	369
22...	<.012	4.92	6.2	85	171
May					
04...	<.012	10.9	--	83	1,500
27...	<.012	5.46	6.9	87	328
Jun					
08...	<.012	3.54	5.3	55	365
24...	<.012	6.60	5.5	99	641
Jul					
22...	<.012	3.83	6.9	91	244
22...	<.012	.16	1.5	--	--
Aug					
24...	<.012	10.1	4.5	92	695
24...	.118	--	--	--	--
Sep					
08...	<.012	2.87	4.1	97	159

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

**SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**
[e, estimated; $\times 10^6$, million]

Day	Mean discharge	Mean concentration	Sediment discharge	Mean discharge	Mean concentration	Sediment discharge	Mean discharge	Mean concentration	Sediment discharge
	(ft ³ /s)	(mg/L)	(tons/day)	(ft ³ /s)	(mg/L)	(tons/day)	(ft ³ /s)	(mg/L)	(tons/day)
	October			November			December		
1	255,000	94	61,700	209,000	351	198,000	119,000	69	22,300
2	248,000	125	83,700	198,000	304	163,000	120,000	70	22,600
3	236,000	110	70,200	185,000	272	136,000	120,000	66	21,500
4	226,000	100	60,900	173,000	226	105,000	115,000	64	19,900
5	217,000	100	58,300	161,000	188	81,800	111,000	62	18,700
6	210,000	93	52,800	153,000	161	66,600	110,000	53	15,900
7	204,000	90	49,500	146,000	149	58,700	109,000	50	14,700
8	195,000	82	43,000	142,000	137	52,500	107,000	50	14,400
9	191,000	79	40,700	137,000	119	43,800	106,000	59	17,000
10	189,000	74	38,000	142,000	111	42,400	101,000	71	19,500
11	187,000	71	36,000	165,000	125	56,000	102,000	61	16,800
12	178,000	68	32,500	177,000	180	86,200	107,000	54	15,700
13	168,000	63	28,600	172,000	233	108,000	108,000	47	13,800
14	162,000	51	22,300	167,000	222	100,000	110,000	76	22,700
15	160,000	71	30,700	164,000	171	75,600	114,000	131	40,500
16	157,000	72	30,700	160,000	124	53,900	119,000	73	23,600
17	155,000	73	30,600	155,000	100	41,900	127,000	65	22,400
18	156,000	71	30,100	151,000	91	37,000	128,000	62	21,400
19	158,000	73	31,100	150,000	79	32,000	122,000	63	20,700
20	160,000	73	31,500	150,000	75	30,600	120,000	57	18,600
21	157,000	76	32,200	152,000	75	30,800	129,000	74	25,900
22	152,000	91	37,400	153,000	81	33,600	133,000	78	27,900
23	146,000	86	34,000	151,000	80	32,600	125,000	66	22,300
24	146,000	82	32,400	e145,000	83	e32,400	117,000	69	21,600
25	153,000	81	33,500	140,000	88	33,300	127,000	74	25,300
26	159,000	85	36,700	136,000	84	30,900	145,000	92	35,900
27	179,000	121	59,100	131,000	80	28,200	148,000	101	40,400
28	218,000	237	141,000	126,000	69	23,600	157,000	183	79,900
29	235,000	432	275,000	126,000	73	24,900	248,000	516	352,000
30	231,000	462	288,000	125,000	73	24,600	345,000	699	655,000
31	220,000	420	250,000	---	---	---	401,000	852	925,000
Total	5,808,000	---	2,082,200	4,642,000	---	1,863,900	4,350,000	---	2,613,900

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[e, estimated; $\times 10^6$, million]

Day	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)
	January			February			March		
1	418,000	890	1,000,000	136,000	66	24,100	218,000	107	62,800
2	408,000	862	950,000	136,000	60	21,900	236,000	148	94,700
3	383,000	679	704,000	136,000	66	24,100	246,000	173	115,000
4	353,000	572	546,000	132,000	62	22,300	239,000	197	127,000
5	327,000	469	414,000	124,000	59	19,900	216,000	230	133,000
6	305,000	425	350,000	117,000	60	18,900	202,000	307	168,000
7	277,000	311	232,000	121,000	90	30,000	202,000	307	167,000
8	253,000	281	192,000	138,000	202	75,100	196,000	263	139,000
9	244,000	246	162,000	139,000	113	42,600	188,000	227	115,000
10	236,000	212	135,000	136,000	107	39,100	197,000	200	106,000
11	231,000	179	112,000	146,000	296	121,000	236,000	223	143,000
12	220,000	162	95,900	218,000	712	419,000	292,000	386	312,000
13	207,000	148	83,000	271,000	514	374,000	380,000	992	1,030,000
14	200,000	132	71,200	305,000	396	325,000	437,000	1,720	2,030,000
15	191,000	118	60,900	326,000	345	303,000	463,000	1,410	1,770,000
16	181,000	94	46,000	326,000	320	282,000	476,000	1,050	1,340,000
17	167,000	e93	41,700	317,000	311	266,000	480,000	844	1,090,000
18	155,000	e96	40,100	310,000	295	247,000	473,000	687	878,000
19	155,000	100	42,100	297,000	282	226,000	457,000	551	681,000
20	160,000	109	46,900	281,000	253	193,000	433,000	465	545,000
21	156,000	91	38,500	271,000	245	180,000	401,000	383	415,000
22	148,000	79	31,400	255,000	249	172,000	364,000	352	345,000
23	143,000	85	32,800	236,000	242	155,000	335,000	310	281,000
24	140,000	93	35,000	215,000	225	131,000	319,000	254	219,000
25	140,000	83	31,100	200,000	187	101,000	316,000	242	207,000
26	140,000	79	29,600	195,000	156	82,300	311,000	218	183,000
27	137,000	e77	28,400	198,000	147	78,800	328,000	225	199,000
28	135,000	e75	27,100	206,000	143	79,300	365,000	327	323,000
29	e134,000	e73	e26,200	---	---	---	401,000	574	622,000
30	133,000	e71	25,400	---	---	---	427,000	797	921,000
31	135,000	e69	25,000	---	---	---	455,000	935	1,150,000
Total	6,612,000	---	5,655,300	5,888,000	---	4,053,400	10.28 $\times 10^6$	---	15.91 $\times 10^6$

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

**SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**
[e, estimated; $\times 10^6$, million]

Day	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)
	April			May			June		
1	480,000	839	1,090,000	461,000	553	696,000	435,000	257	302,000
2	489,000	736	971,000	504,000	1,260	1,710,000	414,000	275	307,000
3	481,000	572	743,000	540,000	1,460	2,120,000	395,000	314	335,000
4	467,000	446	563,000	565,000	1,210	1,840,000	382,000	270	279,000
5	453,000	377	462,000	575,000	928	1,440,000	369,000	239	238,000
6	440,000	327	389,000	576,000	704	1,100,000	358,000	219	212,000
7	424,000	272	312,000	572,000	559	864,000	352,000	185	176,000
8	408,000	242	267,000	563,000	455	692,000	345,000	222	207,000
9	396,000	204	218,000	566,000	381	582,000	339,000	225	206,000
10	392,000	192	203,000	559,000	319	482,000	333,000	233	209,000
11	402,000	226	245,000	555,000	297	446,000	333,000	265	238,000
12	411,000	272	301,000	552,000	304	453,000	349,000	279	263,000
13	421,000	248	282,000	550,000	269	399,000	387,000	354	373,000
14	443,000	247	295,000	538,000	226	329,000	425,000	618	711,000
15	460,000	296	368,000	523,000	215	303,000	434,000	781	914,000
16	461,000	350	435,000	510,000	211	290,000	423,000	858	980,000
17	451,000	317	386,000	e497,000	232	e313,000	428,000	827	956,000
18	436,000	267	314,000	e483,000	261	e344,000	452,000	757	923,000
19	424,000	235	269,000	e520,000	430	e603,000	480,000	727	943,000
20	427,000	218	251,000	e558,000	701	e1,050,000	501,000	713	965,000
21	422,000	212	242,000	581,000	773	1,210,000	513,000	746	1,030,000
22	420,000	196	222,000	596,000	726	1,170,000	505,000	705	961,000
23	423,000	204	234,000	596,000	635	1,020,000	484,000	718	939,000
24	413,000	220	246,000	585,000	554	876,000	462,000	724	903,000
25	394,000	226	240,000	563,000	459	699,000	444,000	672	806,000
26	374,000	206	208,000	539,000	397	576,000	436,000	564	664,000
27	355,000	193	186,000	508,000	333	453,000	434,000	535	627,000
28	355,000	186	178,000	484,000	316	413,000	431,000	565	657,000
29	368,000	200	199,000	470,000	281	357,000	419,000	573	648,000
30	401,000	209	228,000	458,000	269	332,000	398,000	543	583,000
31	---	---	---	448,000	283	343,000	---	---	---
Total	12.69 $\times 10^6$	---	10.54 $\times 10^6$	16.59 $\times 10^6$	---	23.50 $\times 10^6$	12.46 $\times 10^6$	---	17.55 $\times 10^6$

07022000 MISSISSIPPI RIVER AT THEBES, IL—Continued

**SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**
[e, estimated; $\times 10^6$, million]

Day	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)
	July			August			September		
1	369,000	495	494,000	186,000	95	47,600	297,000	359	288,000
2	340,000	416	381,000	177,000	97	46,100	311,000	476	400,000
3	318,000	378	325,000	165,000	109	48,600	310,000	579	484,000
4	303,000	340	278,000	157,000	108	45,500	289,000	475	372,000
5	314,000	316	269,000	156,000	105	44,200	240,000	362	236,000
6	347,000	367	344,000	148,000	100	40,000	204,000	290	160,000
7	353,000	418	398,000	145,000	87	34,200	189,000	254	130,000
8	321,000	429	373,000	143,000	76	29,200	171,000	183	84,700
9	296,000	298	239,000	138,000	75	27,900	160,000	153	66,400
10	280,000	217	165,000	133,000	77	27,600	152,000	132	54,200
11	271,000	191	140,000	135,000	71	26,000	147,000	115	45,700
12	269,000	214	156,000	142,000	73	28,200	147,000	103	41,000
13	274,000	272	201,000	153,000	75	30,800	144,000	92	35,800
14	278,000	247	186,000	163,000	77	33,900	137,000	90	33,200
15	275,000	247	184,000	166,000	78	35,000	134,000	89	32,100
16	279,000	258	195,000	166,000	81	36,200	131,000	86	30,300
17	294,000	266	211,000	165,000	78	34,800	127,000	88	30,200
18	292,000	283	223,000	167,000	85	38,400	125,000	89	30,000
19	278,000	266	200,000	179,000	111	53,900	126,000	86	29,100
20	253,000	232	159,000	201,000	143	77,500	124,000	82	27,600
21	228,000	220	135,000	230,000	168	106,000	121,000	87	28,400
22	210,000	218	124,000	284,000	380	295,000	123,000	100	33,200
23	199,000	196	106,000	302,000	756	617,000	128,000	104	36,200
24	196,000	199	105,000	279,000	688	519,000	125,000	124	42,000
25	197,000	199	106,000	244,000	507	334,000	120,000	99	32,100
26	198,000	168	90,100	215,000	387	225,000	119,000	94	30,300
27	194,000	134	70,000	199,000	300	162,000	128,000	103	35,500
28	189,000	115	58,600	185,000	215	108,000	150,000	113	45,800
29	195,000	113	59,200	183,000	180	89,000	165,000	121	54,000
30	200,000	134	72,200	217,000	173	102,000	160,000	108	44,700
31	197,000	105	55,900	266,000	225	163,000	---	---	---
Total	8,207,000	---	6,103,000	5,789,000	---	3,505,600	5,004,000	---	2,992,500

	Total discharge (ft ³ /s)	Total suspended sediment discharge (tons)
Year	98,335,000	96,388,300