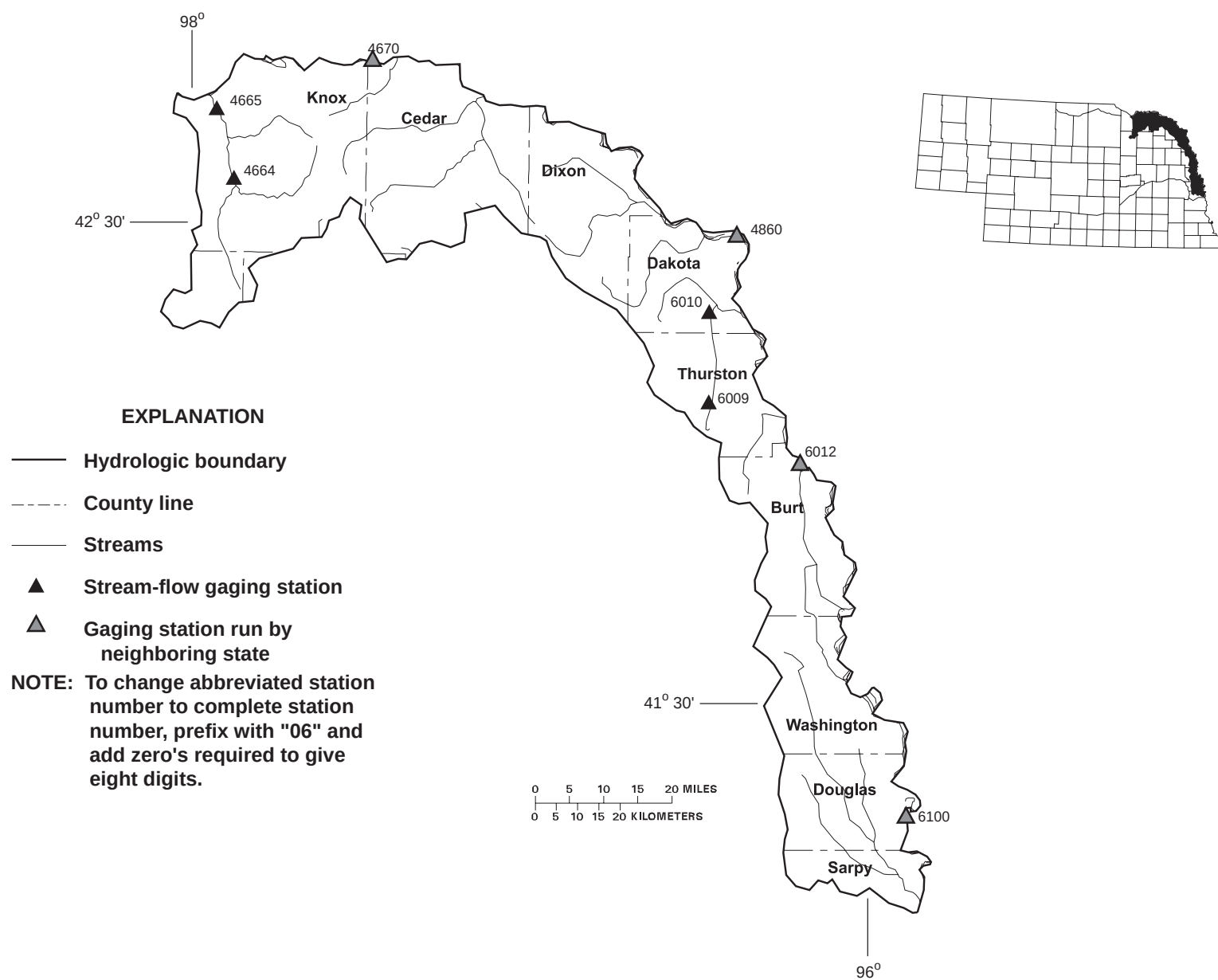




SURFACE-WATER DISCHARGE RECORDS
MISSOURI RIVER BASIN

77

*Station number	Station name	Page
BAZILE CREEK BASIN		
4664	Bazile Creek at Center.....	78
4665	Bazile Creek near Niobrara.....	80
MISSOURI RIVER MAIN STEM		
4670	Lewis and Clark Lake near Yankton, SD	82
4860	Missouri River at Sioux City, IA	84
OMAHA CREEK BASIN		
6009	South Omaha Creek at Walthill	86
6010	Omaha Creek at Homer	88
MISSOURI RIVER MAIN STEM		
6012	Missouri River at Decatur	90
6100	Missouri River at Omaha	92

*NOTE: To change abbreviated station number to complete station number, prefix with 0"6" and add zeros required to equal eight digits.

06466400 BAZILE CREEK AT CENTER, NE

LOCATION.--Lat 42° 36' 58", long 97° 52' 41", in SE $\frac{1}{4}$ sec.34, T.31 N., R.5 W., Knox County, Hydrologic Unit 10170101, on right bank 40 ft shoreward and 40 ft downstream from centerline of State Highway 84 bridge, and 0.4 mi north of Center.

DRAINAGE AREA --315 mi² approximately.

PERIOD OF RECORD.--October 2002 to September 2003.

GAGE.--Water-stage recorder. Elevation of gage is 1,380 ft above sea level, from topographic map. Data collection platform at station.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Maximum instantaneous discharge and stage for peak of June 24 are unknown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	e44	47	e36	e40	e52	68	74	54	e74	33	23
2	38	e44	46	e35	e43	e54	66	72	59	66	32	22
3	43	e45	47	e35	e44	e56	64	65	59	64	33	22
4	55	e45	49	e36	e43	e54	59	71	59	70	33	21
5	52	e47	39	e36	e42	e56	56	82	59	85	33	21
6	46	e48	e44	e35	e42	e52	54	80	60	966	32	21
7	41	e49	e46	e38	e43	e54	55	74	58	203	31	20
8	40	e51	e46	e40	e42	e60	57	68	57	121	30	20
9	42	e50	e45	e41	e43	e58	62	69	56	89	30	23
10	41	e49	e47	e39	e43	e56	73	71	66	77	41	39
11	39	e50	e49	e37	e44	e60	69	85	81	70	35	97
12	39	e53	51	e37	e43	e68	63	91	69	64	32	52
13	38	e52	51	e39	e47	75	58	85	60	60	29	40
14	37	e52	51	e39	e50	79	55	106	58	56	29	34
15	37	e52	52	e38	e56	89	56	103	58	54	28	33
16	39	e52	52	e37	e54	82	56	89	58	51	27	32
17	e46	e50	54	e35	e49	77	55	76	57	49	27	31
18	e44	e47	55	e36	e50	76	56	72	56	48	25	34
19	e43	e46	55	e37	e54	77	92	71	55	47	25	33
20	e43	e46	51	e40	e54	76	87	68	54	46	27	32
21	e42	47	49	e39	e58	74	71	69	51	44	26	32
22	e42	46	47	e37	e58	72	62	71	64	42	25	31
23	e41	46	46	e34	e52	75	58	70	79	40	25	31
24	e41	46	e41	e35	e49	73	58	64	e1,800	39	24	31
25	e40	43	e36	e37	e48	70	60	73	e540	37	23	30
26	e41	47	e36	e36	e47	68	60	63	e240	36	24	31
27	e45	46	e37	e36	e48	82	56	57	e140	37	23	30
28	e46	45	e36	e38	e50	96	53	58	e110	37	26	30
29	e46	48	e37	e38	---	84	52	61	e94	35	25	31
30	e47	45	e36	e37	---	72	64	53	e82	35	23	31
31	e45	---	e35	e39	---	69	---	57	---	34	23	---
TOTAL	1,315	1,431	1,413	1,152	1,336	2,146	1,855	2,268	4,393	2,776	879	958
MEAN	42.4	47.7	45.6	37.2	47.7	69.2	61.8	73.2	146	89.5	28.4	31.9
MAX	55	53	55	41	58	96	92	106	1,800	966	41	97
MIN	36	43	35	34	40	52	52	53	51	34	23	20
AC-FT	2,610	2,840	2,800	2,280	2,650	4,260	3,680	4,500	8,710	5,510	1,740	1,900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

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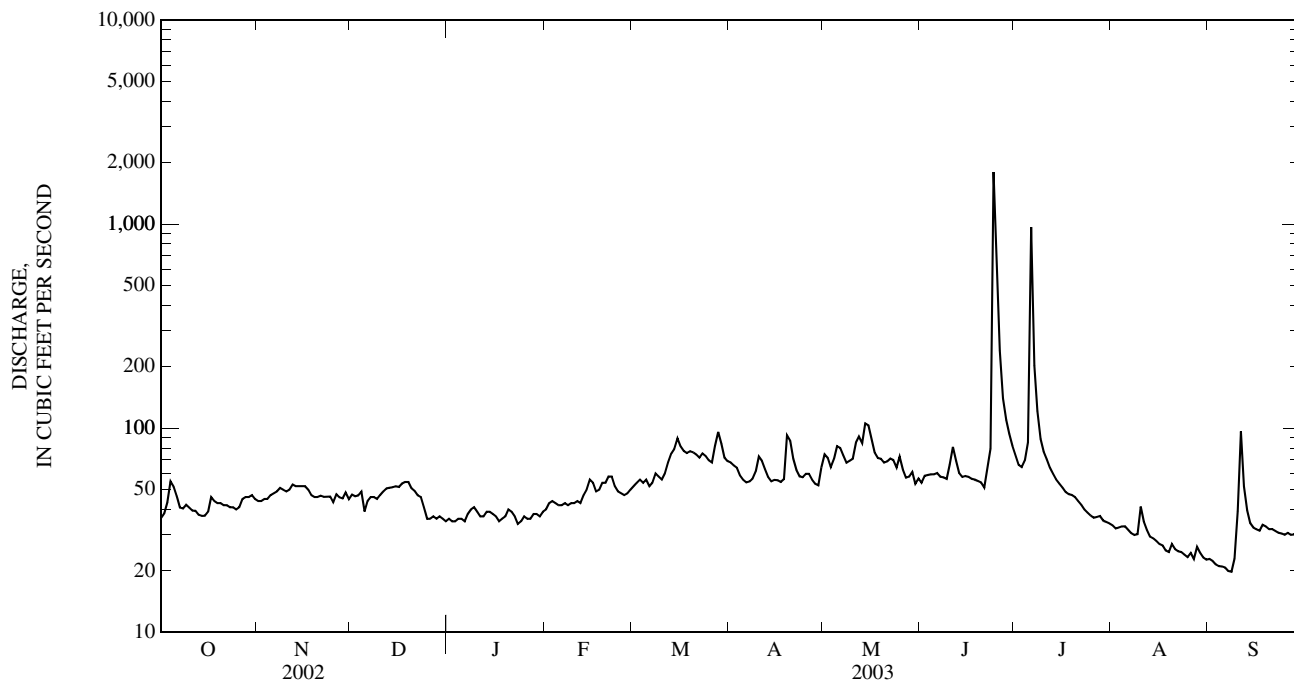
06466400 BAZILE CREEK AT CENTER, NE—Continued

SUMMARY STATISTICS

FOR 2003 WATER YEAR

ANNUAL TOTAL	21,922	
ANNUAL MEAN	60.1	
HIGHEST DAILY MEAN	1,800	Jun 24
LOWEST DAILY MEAN	20	Sep 7
ANNUAL SEVEN-DAY MINIMUM	21	Sep 2
ANNUAL RUNOFF (AC-FT)	43,480	
10 PERCENT EXCEEDS	76	
50 PERCENT EXCEEDS	48	
90 PERCENT EXCEEDS	31	

e Estimated.



06466500 BAZILE CREEK NEAR NIOBRARA, NE

LOCATION.--Lat 42° 43' 56", long 97° 55' 21", in SE $\frac{1}{4}$ sec. 20, T.32 N., R.5 W., Knox County, Hydrologic Unit 10170101, on right bank 50 ft shoreward and 10 ft downstream from centerline of county bridge 0.8 mi south of State Highway 12, and 8.5 mi north of Center.

DRAINAGE AREA.--457 mi² approximately.

PERIOD OF RECORD.--May 1952 to September 1995. October 2002 to September 2003. Records for October 1931 to September 1932, published in WSP 731, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1279: 1952. WSP 1729: 1958(M). WDR NE-81-1: 1977, 1979-80. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 1,243.32 ft above sea level. Prior to Dec. 16, 1952, nonrecording gage only. December 16, 1952 to June 16, 1957, water stage recorder at site 1.8 mi downstream at datum 28.51 ft lower. June 17, 1957 to September 14, 1958 at site 1.8 mi downstream at datum 24.31 ft lower. September 15, 1958 to September 30, 1995 at site 1.8 mi downstream at datum 32.51 ft lower. Data collection platform at station.

REMARKS.--Records good, except for estimated daily discharges, which are poor. Minor diversions for irrigation above station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	49	57	e42	e48	e64	84	88	77	89	59	34
2	36	49	59	e41	e50	e66	84	88	81	85	57	34
3	39	50	57	e41	e56	e66	78	86	83	78	54	34
4	46	51	59	e45	e52	e64	74	88	84	84	55	33
5	41	52	e50	e43	e48	e66	75	92	82	84	56	33
6	40	54	e52	e42	e48	e62	75	95	83	934	55	32
7	37	56	e54	e45	e49	e64	74	90	80	367	53	33
8	38	57	e54	e50	e47	e70	73	86	80	209	52	32
9	37	57	e52	e54	e50	e68	76	84	78	138	52	35
10	37	56	e54	e47	e50	e64	79	87	81	107	71	53
11	37	57	e54	e43	e52	e68	81	95	96	100	49	112
12	36	59	e54	e43	e56	e76	76	98	92	94	34	75
13	36	59	e52	e47	e60	e88	72	96	84	91	32	51
14	37	59	e54	e45	e62	e94	73	109	83	87	31	39
15	37	59	e56	e43	e68	112	76	120	85	86	28	34
16	39	59	e60	e43	e62	104	77	105	88	82	27	32
17	50	59	e64	e39	e56	102	78	91	87	78	27	33
18	49	58	67	e40	e58	101	78	86	88	78	29	37
19	49	59	64	e42	e64	96	99	83	84	78	27	36
20	49	59	61	e46	e64	93	105	82	81	73	31	33
21	48	59	58	e44	e70	91	90	82	79	71	30	34
22	48	56	61	e42	e74	91	85	83	86	71	30	34
23	48	57	59	e37	e66	89	82	83	85	69	30	34
24	47	56	e52	e39	e58	86	83	86	1,860	69	29	35
25	46	54	e42	e42	e56	82	84	87	687	66	29	35
26	46	61	e38	e40	e54	80	83	86	325	63	31	36
27	49	60	e39	e41	e58	87	79	83	154	65	31	35
28	49	56	e41	e45	e60	91	75	80	122	65	33	34
29	50	58	e42	e44	---	87	74	79	105	62	34	35
30	52	55	e43	e43	---	85	81	76	97	61	33	35
31	50	---	e40	e47	---	84	---	76	---	59	33	---
TOTAL	1,337	1,690	1,649	1,345	1,596	2,541	2,403	2,750	5,277	3,743	1,222	1,182
MEAN	43.1	56.3	53.2	43.4	57.0	82.0	80.1	88.7	176	121	39.4	39.4
MAX	52	61	67	54	74	112	105	120	1,860	934	71	112
MIN	34	49	38	37	47	62	72	76	77	59	27	32
AC-FT	2,650	3,350	3,270	2,670	3,170	5,040	4,770	5,450	10,470	7,420	2,420	2,340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1952	48.6	108	24.4	(1985)
1953	52.5	96.4	25.9	(1994)
1954	46.0	96.3	24.5	(1994)
1955	45.7	108	18.4	(1995)
1956	78.2	213	26.0	(1971)
1957	153	621	48.0	(1962)
1958	133	587	37.9	(1960)
1959	127	469	30.6	(1960)
1960	161	933	24.6	(1957)
1961	76.7	388	8.44	(1993)
1962	57.4	326	7.95	(1960)
1963	45.0	118	9.48	(1992)
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06466500 BAZILE CREEK NEAR NIOBRARA, NE—Continued

SUMMARY STATISTICS

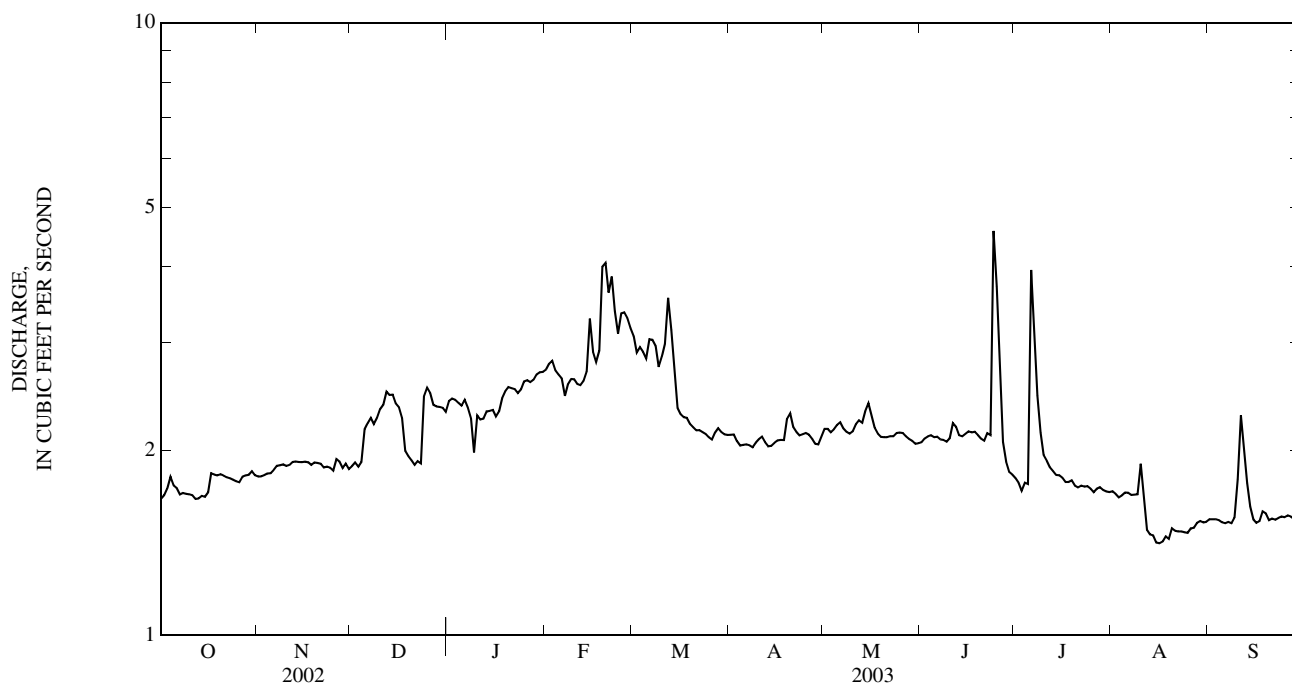
FOR 2003 WATER YEAR

WATER YEARS 1952 - 2003

ANNUAL TOTAL	26,735			
ANNUAL MEAN	73.2		85.6	
HIGHEST ANNUAL MEAN			194	1960
LOWEST ANNUAL MEAN			34.9	1981
HIGHEST DAILY MEAN	1,860	Jun 24	12,300	Jun 16, 1957
LOWEST DAILY MEAN	27	Aug 16	0.00	Jul 24, 1976
ANNUAL SEVEN-DAY MINIMUM	28	Aug 15	0.77	Aug 25, 1976
MAXIMUM PEAK FLOW	4,840	Jun 24	68,600	Jun 16, 1957
MAXIMUM PEAK STAGE	6.15	Jun 24	*20.25	Feb 19, 1971
ANNUAL RUNOFF (AC-FT)	53,030		61,980	
10 PERCENT EXCEEDS	91		140	
50 PERCENT EXCEEDS	59		52	
90 PERCENT EXCEEDS	34		22	

e Estimated.

* Backwater from ice.



06467000 LEWIS AND CLARK LAKE NEAR YANKTON, SD

LOCATION.--Lat 42°50'56", long 97°28'54", in SW¹/₄ sec.7, T.33 N., R.1 W., Cedar County, NE, Hydrologic Unit 10170101, in powerhouse of Gavins Point Dam on Missouri River, 3.75 mi southwest of Yankton, 13.6 mi upstream from James River, 32.5 mi downstream from Niobrara River, and at mile 811.0.

DRAINAGE AREA.--279,500 mi², approximately.

PERIOD OF RECORD.--July 1955 to current year (monthend contents only). Prior to October 1955, published as Gavins Point Reservoir near Yankton.

GAGE.--Water-stage recorder. Elevations listed to NGVD of 1929. Prior to Dec. 9, 1955, recorder at temporary location on wall of intake structure unit 3.

REMARKS.--Reservoir is formed by earthfill dam; storage began in July 1955. Maximum capacity, 504,000 acre-ft below elevation 1,210.0 ft (top of spillway gates). Normal maximum, 442,600 acre-ft below elevation 1,208.0 ft. Inactive storage, 157,000 acre-ft below elevation 1,195.0 ft. Dead storage, 23,000 acre-ft below elevation 1,180.0 ft (crest of spillway). From capacity table put into use Nov. 1, 1986; maximum capacity, 491,700 acre-ft. Normal maximum, 432,000 acre-ft. Inactive storage, 149,400 acre-ft. Dead storage, 17,700 acre-ft. Figures given herein represent elevations at powerhouse and total contents adjusted for wind effect.

The spillway consists of 14 taintor gates, each 40 ft wide by 30 ft high; spillway capacity, 280,000 ft³/s at pool elevation 1,210.0 ft. Crest of spillway is at elevation 1,180.0 ft. Normal releases are through 3 power units, installation completed in January 1957; maximum release through power units is 35,000 ft³/s at pool elevation, 1,210.0 ft. Water is used for flood control, navigation, power, and incidental uses.

COOPERATION.--Records of elevation and contents provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 565,000 acre-ft, Apr. 1, 1960, affected by wind; maximum elevation, 1,210.6 ft, Mar. 29, 1960; minimum since initial filling, 61,950 acre-ft, Apr. 23, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 416,000 acre-ft, Dec. 4; minimum contents, 339,000 acre-ft, Jan. 24.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Elevation	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	1,207.08	386,000	--
Oct. 31	1,207.83	405,000	+19,000
Nov. 30	1,208.00	412,000	+7,000
Dec. 31	1,206.97	384,000	-28,000
CAL YR 2002	--	--	-10,000
Jan. 31	1,206.69	376,000	-8,000
Feb. 28	1,206.32	366,000	-10,000
Mar. 31	1,205.85	355,000	-11,000
Apr. 30	1,205.98	357,000	+2,000
May 31	1,205.62	349,000	-8,000
June 30	1,206.59	374,000	+25,000
July 31	1,206.41	368,000	-6,000
Aug. 31	1,206.40	368,000	0
Sept. 30	1,207.35	393,000	+25,000
WTR YR 2003	--	--	+7,000

NOTE.--Lake frozen over Dec. 24 to Mar. 24.

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06486000 MISSOURI RIVER AT SIOUX CITY, IA

LOCATION.--Lat. 42° 29'09", long 96° 24'49", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T.29 N., R.9 E., sixth principal meridian, Dakota County, Nebraska, Hydrologic Unit 10230001, on right bank on upstream side of bridge on U.S. Highway 20 and 77 at South Sioux City, Nebraska, 1.9 mi downstream from Big Sioux River, and at mile 732.2.

DRAINAGE.--314,600 mi², approximately. The 3,959 mi² in Great Divide basin are not included.

PERIOD OF RECORD.--October 1897 to current year in reports of the U.S. Geological Survey. Prior to October 1928 and October 1931 to September 1938, monthly discharges only, published in WSP 1310. January 1879 to December 1890, monthly discharges only, in House Document 238, 73rd Congress, 2d session, Missouri River. Gage height records collected in this vicinity September 1878 to December 1899 are contained in reports of Missouri River Commission and since July 1889 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 716: 1929-30. WSP 876: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,056.98 ft above NGVD of 1929. Sept. 2, 1878 to Dec. 31, 1905, nonrecording gages at various locations within 1.7 mi of present site and at various datums. Jan. 1, 1906 to Feb. 14, 1935, nonrecording gage, and Feb. 15, 1935 to Sept. 30, 1969, water-stage recorder at site 227 ft downstream at datum 19.98 ft higher, and Oct. 1, 1969 to Sept. 30, 1970 at datum 20.00 ft higher. Oct. 1, 1970 to Jan. 30, 1981, water-stage recorder at site 227 ft downstream at present datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by upstream main-stem reservoirs. Fort Randall Dam was completed in July 1952, with storage beginning in December 1952. Gavins Point Dam was completed in July 1955, with storage beginning in December 1955. U.S. Army Corps of Engineers rain gage and satellite data collection platform at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 441,000 ft³/s Apr. 14, 1952, gage height, 24.28 ft, datum then in use; minimum, 2,500 ft³/s Dec. 29, 1941; minimum gage height, 7.02 ft Jan. 19, 1996.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32,900	28,700	13,800	14,200	14,400	16,800	25,000	28,800	27,800	31,500	26,900	24,400
2	33,000	28,100	14,000	14,200	14,700	15,600	24,900	28,300	28,100	31,100	26,800	25,500
3	33,200	27,400	14,200	14,100	14,700	14,000	25,100	28,100	28,100	30,400	26,800	27,700
4	32,900	27,400	14,300	14,300	13,300	14,200	25,200	28,600	27,700	29,800	26,800	29,100
5	32,000	27,600	14,100	14,400	13,900	11,500	25,100	29,200	27,800	29,800	27,300	29,600
6	31,500	27,900	14,000	14,300	16,400	12,100	25,300	28,500	27,700	29,600	27,400	29,600
7	32,000	27,900	14,300	14,100	15,300	15,000	25,800	28,200	27,500	29,200	26,900	29,500
8	31,800	28,100	14,100	14,200	15,800	14,600	25,900	28,300	27,600	28,500	27,000	29,400
9	31,000	28,400	14,000	14,200	15,300	11,600	26,300	28,900	27,600	30,800	27,100	29,700
10	e31,400	28,600	14,300	13,400	14,000	11,300	26,300	28,800	32,200	34,000	27,100	32,700
11	31,000	28,600	14,100	13,000	13,700	13,700	26,200	29,700	32,200	33,000	27,000	35,000
12	31,400	28,400	14,200	13,700	13,700	15,900	26,300	28,900	28,900	31,300	26,000	33,500
13	31,400	28,500	14,000	14,300	13,900	15,400	26,200	29,200	28,600	30,100	24,000	31,100
14	31,000	28,600	13,900	13,900	14,400	15,200	26,100	30,300	28,300	28,400	21,600	29,400
15	31,500	28,500	13,900	13,300	14,400	14,500	26,200	30,700	28,200	27,700	21,100	28,900
16	31,700	28,500	13,900	13,400	13,900	15,100	26,500	30,600	28,000	26,800	22,300	28,600
17	32,000	28,400	13,900	13,500	13,800	17,900	27,000	30,500	27,800	26,600	24,300	28,400
18	31,800	28,500	14,100	15,200	14,500	21,600	26,400	30,400	27,700	26,200	25,300	28,900
19	31,700	28,400	14,200	15,900	14,100	24,000	27,000	30,500	27,300	25,900	25,400	28,800
20	31,800	28,300	14,000	17,400	15,200	24,200	27,500	30,100	27,100	25,800	25,200	28,100
21	32,000	28,300	13,700	16,100	18,500	23,400	28,400	29,400	27,000	25,600	25,100	28,100
22	e31,800	28,300	13,900	15,800	15,700	23,400	28,100	29,200	27,200	25,700	24,900	28,200
23	e32,100	28,400	13,900	15,400	13,900	23,900	27,500	29,200	27,300	25,600	24,700	27,800
24	31,800	e28,200	13,400	15,500	11,500	24,100	27,500	29,000	30,100	25,500	24,800	27,400
25	31,100	e24,800	13,200	16,200	10,100	23,800	27,400	28,900	33,500	25,700	24,700	27,200
26	31,000	22,500	14,400	16,000	11,500	24,100	26,100	28,600	32,000	25,800	24,700	27,100
27	31,200	19,300	14,900	15,800	15,200	25,400	26,100	28,300	31,500	25,800	24,500	27,100
28	31,800	16,400	14,900	16,800	16,800	26,200	26,300	28,200	31,500	25,900	24,500	27,100
29	30,500	14,600	14,700	15,700	---	25,400	26,900	27,800	31,800	25,700	24,700	27,200
30	29,100	14,100	14,500	13,700	---	24,900	28,900	27,900	31,700	26,300	24,400	27,300
31	29,200	---	14,200	14,400	---	25,000	---	27,800	---	26,800	24,400	---
TOTAL	978,600	789,700	437,000	456,400	402,600	583,800	793,500	900,900	869,800	870,900	783,700	862,400
MEAN	31,570	26,320	14,100	14,720	14,380	18,830	26,450	29,060	28,990	28,090	25,280	28,750
MAX	33,200	28,700	14,900	17,400	18,500	26,200	28,900	30,700	33,500	34,000	27,400	35,000
MIN	29,100	14,100	13,200	13,000	10,100	11,300	24,900	27,800	27,000	25,500	21,100	24,400
AC-FT	1,941,000	1,566,000	866,800	905,300	798,600	1,158,000	1,574,000	1,787,000	1,725,000	1,727,000	1,554,000	1,711,000
CFSM	0.10	0.08	0.04	0.05	0.05	0.06	0.08	0.09	0.09	0.09	0.08	0.09
IN.	0.12	0.09	0.05	0.05	0.05	0.07	0.09	0.11	0.10	0.10	0.09	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

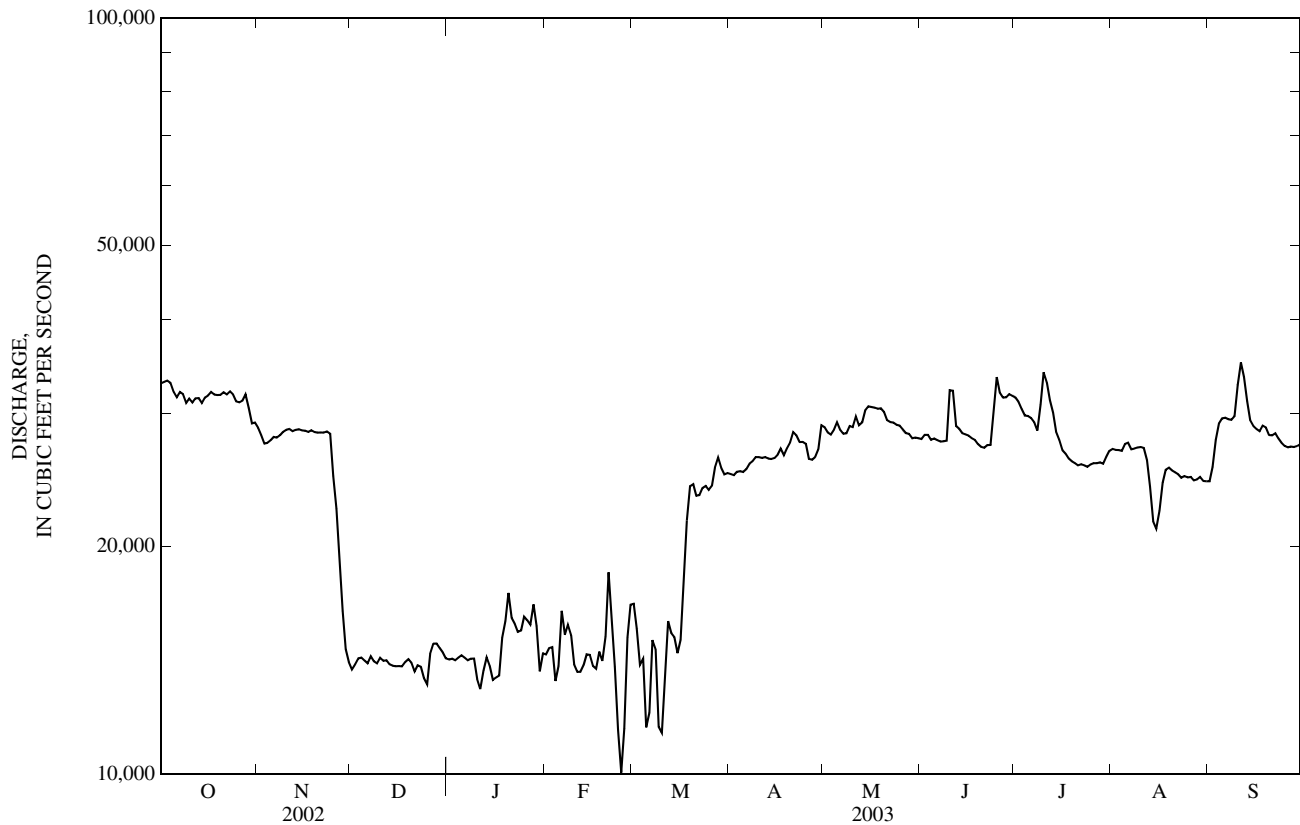
	MEAN	36,060	31,260	18,830	16,110	17,220	23,210	33,250	33,800	35,410	35,930	36,250	36,560
MAX	69,300	71,600	39,880	27,720	31,120	47,020	88,040	78,720	66,400	65,550	65,360	66,400	66,400
(WY)	(1998)	(1998)	(1998)	(1987)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)
MIN	14,350	6,951	8,271	7,316	6,293	9,135	17,450	23,820	23,270	26,380	24,270	25,790	25,790
(WY)	(1962)	(1962)	(1962)	(1964)	(1963)	(1957)	(1957)	(1962)	(1960)	(2002)	(1993)	(1962)	(1962)

06486000 MISSOURI RIVER AT SIOUX CITY, IA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003a	
ANNUAL TOTAL	8,771,100		8,729,300		29,530	
ANNUAL MEAN	24,030		23,920		55,890	
HIGHEST ANNUAL MEAN					19,770	
LOWEST ANNUAL MEAN					105,000	
HIGHEST DAILY MEAN	34,700	Aug 23	35,000	Sep 11	105,000	Jun 25, 1953
LOWEST DAILY MEAN	13,200	Dec 25	10,100	Feb 25	3,000	Dec 11, 1961
ANNUAL SEVEN-DAY MINIMUM	13,800	Dec 19	12,800	Mar 5	5,430	Feb 22, 1963
MAXIMUM PEAK FLOW			36,200	Sep 11	101,000	Apr 3, 1960
MAXIMUM PEAK STAGE			16.83	Sep 11	30.65	Feb 19, 1971
INSTANTANEOUS LOW FLOW			9,610	Feb 25		
ANNUAL RUNOFF (AC-FT)	17,400,000		17,310,000		21,400,000	
ANNUAL RUNOFF (CFSM)	0.076		0.076		0.094	
ANNUAL RUNOFF (INCHES)	1.04		1.03		1.28	
10 PERCENT EXCEEDS	31,600		31,300		46,200	
50 PERCENT EXCEEDS	26,200		26,600		29,900	
90 PERCENT EXCEEDS	14,700		14,000		12,100	

a Post regulation.

e Estimated.



LOCATION.--Lat 42° 08' 53", long 96° 28' 58", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T.25 N., R.8 E., Thurston County, Hydrologic Unit 10230001, near the right upstream end of the bridge, on Nebraska Highway 94. The station is 1.5 miles below the confluence with Cow Creek and 1.7 miles upstream of the confluence with North Omaha Creek at Walthill.

PERIOD OF RECORD.--October 2002 to September 2003. Annual maximum discharge only, 1951-78.

REMARKS.--Records fair except for estimated daily discharges and discharges above 27 ft³/s, which are poor.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	e10	e11	e7.2	e9.6	e12	14	14	11	13	12	11
2	15	10	e7.8	e7.4	e9.2	e11	14	13	13	13	12	10
3	15	10	e8.8	e7.4	e9.0	e8.2	14	12	12	12	12	10
4	21	10	9.9	e7.4	e8.8	e6.8	14	23	12	13	12	9.9
5	14	10	e10	e7.4	e8.2	e9.4	14	26	11	190	14	9.7
6	13	10	e10	e7.2	e8.0	e11	14	17	11	379	14	9.4
7	12	10	10	e7.4	e7.4	e11	16	16	12	36	13	9.0
8	12	10	9.8	e7.2	e7.6	e14	14	16	13	26	13	8.8
9	12	10	10	e7.0	e7.6	14	13	16	29	26	13	16
10	11	10	9.7	e6.8	e7.6	13	14	15	284	21	13	25
11	11	10	e9.8	e6.2	e7.0	66	14	19	26	19	15	37
12	11	10	9.9	e6.0	e6.8	34	12	16	21	17	14	15
13	10	10	e9.8	e6.0	e6.4	30	12	15	19	17	14	9.9
14	10	10	e10	e6.0	e6.0	64	11	16	18	16	14	9.2
15	10	9.9	9.6	e6.0	e5.4	19	11	15	17	15	14	8.7
16	11	10	9.8	e5.8	e5.2	16	11	14	16	15	13	8.3
17	11	9.9	10	e5.8	e6.8	15	11	14	16	14	13	7.9
18	10	10	10	e5.4	e10	14	11	13	16	14	13	8.9
19	9.8	9.9	9.8	e5.4	e11	14	11	15	15	14	15	8.4
20	9.8	10	9.5	e5.2	e14	17	11	13	14	14	9.8	8.0
21	9.8	10	e9.6	e5.4	e30	14	10	13	14	14	10	9.0
22	9.7	10	e9.6	e5.2	e9.8	13	10	12	15	13	11	8.4
23	9.9	10	e9.0	e4.7	e7.6	13	10	13	14	13	11	8.1
24	10	9.8	e8.6	e5.0	e5.0	13	11	13	15	13	10	7.7
25	10	10	e6.6	e6.2	e6.0	13	11	13	14	12	9.8	7.3
26	10	9.9	e6.0	e6.6	e8.2	13	10	12	14	11	10	7.8
27	11	e11	e6.6	e7.2	e12	16	10	12	14	16	11	7.6
28	e10	e8.8	e7.2	e7.4	e12	16	10	12	15	13	11	7.3
29	10	e9.8	e7.2	e8.4	---	14	10	11	14	12	10	7.3
30	e11	e8.5	e7.4	e8.8	---	13	18	11	14	11	10	7.3
31	e10	---	e7.4	e9.2	---	14	---	11	---	12	10	---
TOTAL	355.0	297.5	280.4	204.3	252.2	551.4	366	451	729	1,024	376.6	317.9
MEAN	11.5	9.92	9.05	6.59	9.01	17.8	12.2	14.5	24.3	33.0	12.1	10.6
MAX	21	11	11	9.2	30	66	18	26	284	379	15	37
MIN	9.7	8.5	6.0	4.7	5.0	6.8	10	11	11	11	9.8	7.3
AC-FT	704	590	556	405	500	1,090	726	895	1,450	2,030	747	631

[illegible]

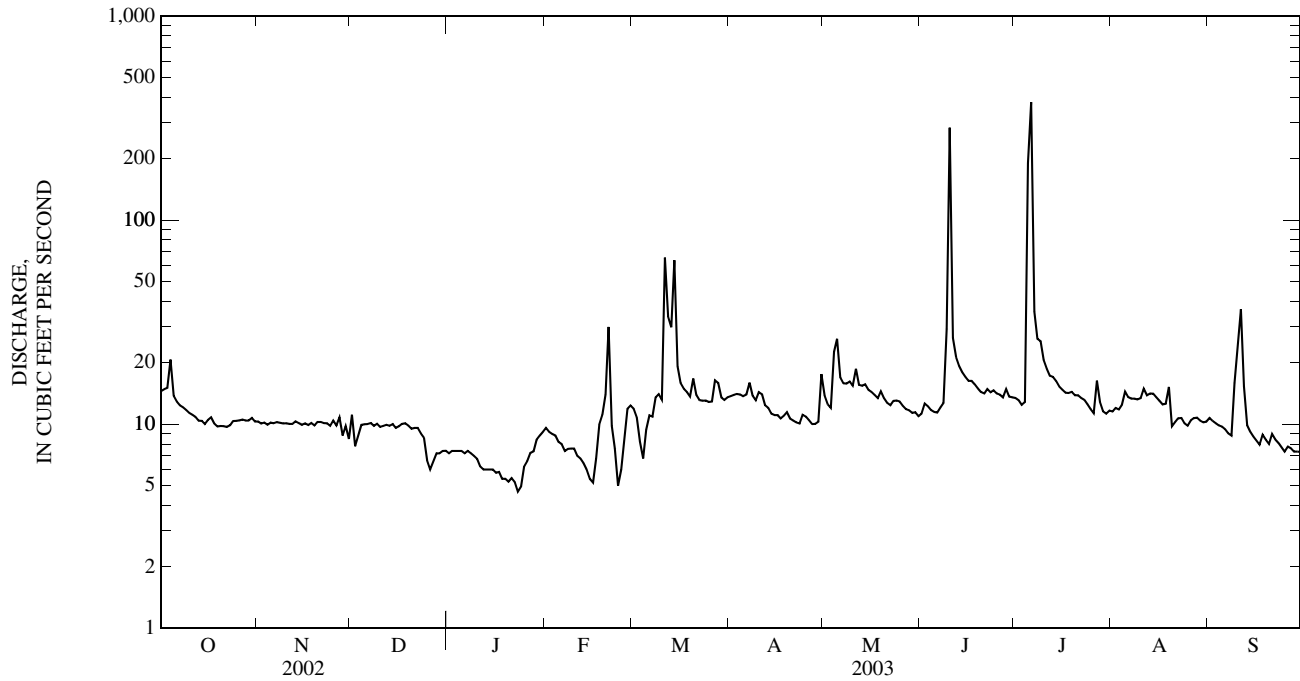
06600900 SOUTH OMAHA CREEK AT WALTHILL, NE—Continued

SUMMARY STATISTICS

FOR 2003 WATER YEAR

ANNUAL TOTAL	5,205.3
ANNUAL MEAN	14.3
HIGHEST DAILY MEAN	379 Jul 6
LOWEST DAILY MEAN	4.7 Jan 23
MAXIMUM PEAK FLOW	*1,370 Jul 6
MAXIMUM PEAK STAGE	21.20 Jul 6
ANNUAL SEVEN-DAY MINIMUM	5.2 Jan 18
ANNUAL RUNOFF (AC-FT)	10,320
10 PERCENT EXCEEDS	16
50 PERCENT EXCEEDS	11
90 PERCENT EXCEEDS	7.2

e Estimated.

* Based on rating extended above 13.6 ft³/s on basis of channel stability profile, and records for (06601000) Omaha Creek at Homer.

06601000 OMAHA CREEK AT HOMER, NE

LOCATION.--Lat 42° 19'29", long 96° 29'43", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.27 N., R.8 E., Dakota County, Hydrologic Unit 10230001, on left bank 80 ft downstream from bridge on main street of Homer and at mile 4.7.

DRAINAGE AREA.--174 mi².

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WDR NE-75-1: 1971-73. WDR NE-94-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,080.45 ft above sea level. Prior to Aug. 4, 1952, at bridge 0.5 mi downstream at datum 6.03 ft lower. Aug. 4, 1952 to Nov. 3, 1966 at site 80 ft upstream at datum 2.0 ft higher. Nov. 4, 1966 to Sept. 30, 1989 at present site at datum 2.0 ft higher. June 27, 1984 to Aug. 28, 1984 at temporary site 700 ft downstream at present datum. Data collection platform at station.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	30	32	16	e18	e18	65	60	34	40	35	22
2	25	30	31	13	e20	e16	65	41	41	45	34	21
3	29	29	25	16	e20	e16	e68	37	40	50	33	20
4	57	28	28	16	e20	e15	e68	104	37	59	31	19
5	32	29	22	12	e20	e14	e59	133	36	925	36	19
6	24	29	31	13	e19	e15	e55	65	35	1,300	35	19
7	23	28	29	12	e18	e17	e73	56	35	45	32	18
8	24	28	22	11	e18	e16	e47	53	46	31	31	18
9	25	28	23	9.8	e18	e28	e40	68	37	32	30	31
10	25	28	27	e13	e18	33	51	57	853	32	30	131
11	24	26	26	e17	e18	146	54	80	92	34	32	133
12	25	26	24	e19	e16	89	43	58	68	38	29	79
13	24	27	23	e21	e17	25	40	54	60	41	28	37
14	25	27	23	e20	e19	164	38	54	54	45	28	29
15	24	26	23	e22	e17	69	37	49	50	48	27	28
16	27	26	22	e22	e14	37	37	47	48	50	25	27
17	33	27	22	e19	e14	32	35	45	47	47	25	26
18	28	27	22	e21	e17	22	35	43	46	46	34	30
19	26	27	20	e22	e18	21	40	44	43	47	53	e27
20	26	27	18	e24	e21	40	37	43	41	45	30	26
21	26	26	15	e23	e22	e62	35	40	40	45	26	29
22	26	26	16	e20	e21	54	33	41	44	43	25	29
23	26	27	14	e19	e19	51	32	46	44	41	25	26
24	28	25	17	e17	e18	52	36	44	56	40	24	25
25	29	23	15	e17	e20	53	37	44	43	38	23	23
26	29	27	14	e17	e20	53	33	39	40	36	22	23
27	30	26	14	e18	e18	83	31	37	37	53	22	23
28	36	28	15	e19	e17	94	30	38	41	50	21	22
29	33	33	17	e19	---	76	29	35	39	39	21	22
30	34	28	15	e21	---	72	65	35	36	37	20	22
31	34	---	12	e20	---	68	---	33	---	36	20	---
TOTAL	880	822	657	548.8	515	1,551	1,348	1,623	2,163	3,458	887	1,004
MEAN	28.4	27.4	21.2	17.7	18.4	50.0	44.9	52.4	72.1	112	28.6	33.5
MAX	57	33	32	24	22	164	73	133	853	1,300	53	133
MIN	23	23	12	9.8	14	14	29	33	34	31	20	18
AC-FT	1,750	1,630	1,300	1,090	1,020	3,080	2,670	3,220	4,290	6,860	1,760	1,990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2003, BY WATER YEAR (WY)

	MEAN	23.9	23.0	19.3	19.3	47.8	73.2	57.3	60.4	95.5	59.8	34.1	26.9
MAX	89.6	75.2	62.4	82.0	472	315	426	248	370	331	181	131	
(WY)	(1994)	(1994)	(1995)	(1973)	(1971)	(1993)	(1985)	(1984)	(1999)	(1996)	(1993)	(1993)	
MIN	1.17	2.36	2.46	1.99	1.49	6.33	4.14	4.04	7.60	4.34	2.55	0.75	
(WY)	(1957)	(1956)	(1977)	(1957)	(1956)	(1956)	(1956)	(1981)	(1981)	(1976)	(1968)	(1948)	

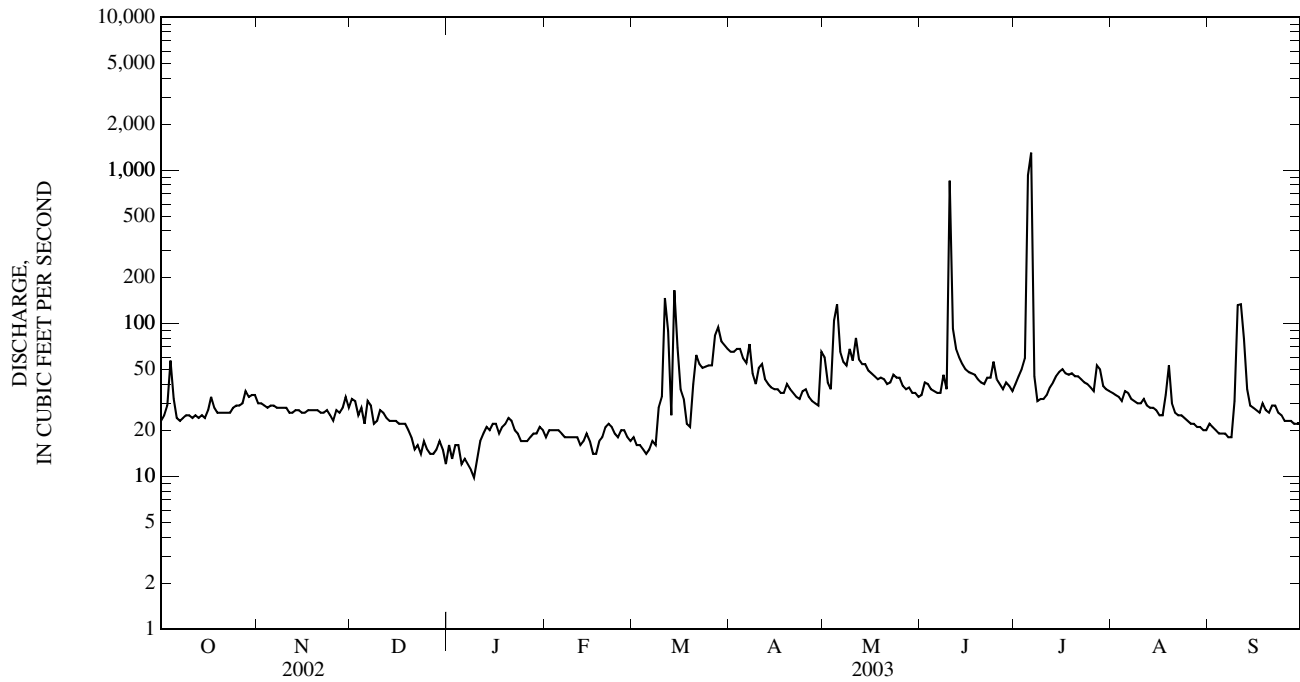
06601000 OMAHA CREEK AT HOMER, NE—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1946 - 2003	
ANNUAL TOTAL	15,184		15,456.8		45.0	
ANNUAL MEAN	41.6		42.3		130	
HIGHEST ANNUAL MEAN					6.20	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	687	Jun 11	1,300	Jul 6	6,840	Feb 18, 1971
LOWEST DAILY MEAN	12	Dec 31	9.8	Jan 9	0.10	Sep 16, 1948
ANNUAL SEVEN-DAY MINIMUM	15	Dec 25	12	Jan 4	0.16	Sep 8, 1955
MAXIMUM PEAK FLOW			*4,570	Jul 6	**21,500	Jul 17, 1996
MAXIMUM PEAK STAGE			9.32	Jul 6	28.47	Feb 19, 1971
ANNUAL RUNOFF (AC-FT)	30,120		30,660		32,570	
10 PERCENT EXCEEDS	67		56		82	
50 PERCENT EXCEEDS	34		29		20	
90 PERCENT EXCEEDS	22		17		4.5	

e Estimated.

* From rating curve extended above 1,100 ft³/s.

** Stage 22.30 ft from floodmark, discharge from rating curve extension based on slope-area measurements at 16.38 ft and 23.62 ft.



06601200 MISSOURI RIVER AT DECATUR, NE

LOCATION.--Lat 42° 00' 26", long 96° 14' 29", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 24 N., R. 10 E., Burt County, Hydrologic Unit 10230001, on right bank 0.1 mi upstream from Iowa Highway 175 bridge at Decatur, and at mile 691.0.

DRAINAGE AREA.--316,200 mi², approximately. The 3,959 mi² in Great Divide basin are not included.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,010.00 ft above NGVD of 1929, supplementary adjustment of 1954.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by upstream main-stem reservoirs. Fort Randall Dam was completed in July 1952, with storage beginning in December 1952. Gavins Point Dam was completed in July 1955, with storage beginning in December 1955. U.S. Army Corps of Engineers rain gage and satellite data collection platform at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

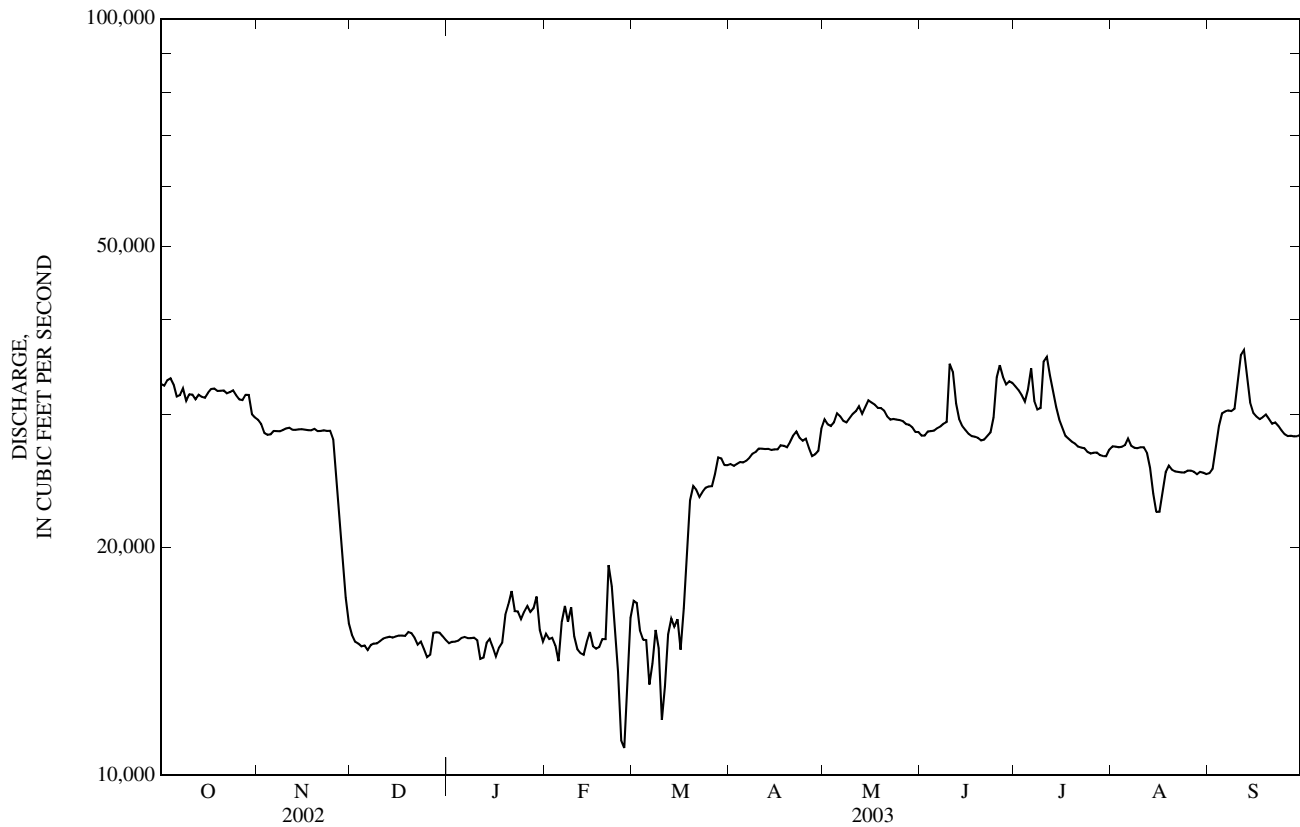
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32,900	29,500	15,300	14,900	15,400	17,000	25,800	29,500	28,100	32,600	27,200	25,100
2	32,700	29,100	15,000	15,000	15,100	16,900	25,600	29,100	28,100	32,300	27,200	25,400
3	33,300	28,300	14,900	15,000	15,200	15,500	25,800	28,900	28,500	31,800	27,100	27,200
4	33,500	28,200	14,800	15,100	14,800	15,100	25,900	29,300	28,500	31,200	27,200	29,000
5	32,800	28,200	14,800	15,200	14,100	15,100	25,900	30,100	28,500	32,300	27,300	30,100
6	31,600	28,500	14,600	15,200	15,900	13,200	26,000	29,800	28,700	34,500	27,900	30,200
7	31,800	28,500	14,900	15,200	16,700	14,000	26,300	29,400	28,900	31,200	27,200	30,300
8	32,500	28,500	14,900	15,200	15,900	15,600	26,600	29,200	29,100	30,400	27,100	30,300
9	31,200	28,600	14,900	15,200	16,700	14,700	26,700	29,600	29,300	30,600	27,000	30,500
10	31,900	28,700	15,000	15,100	15,300	11,800	27,000	30,000	35,000	35,200	27,100	32,900
11	31,800	28,800	15,100	14,200	14,700	13,100	27,000	30,300	34,100	35,700	27,100	35,900
12	31,400	28,600	15,200	14,300	14,500	15,400	27,000	30,700	31,000	33,800	26,600	36,500
13	31,800	28,600	15,200	15,000	14,400	16,100	27,000	30,000	29,600	32,200	25,500	33,400
14	31,600	28,700	15,200	15,100	15,000	15,700	26,900	30,600	28,900	30,700	23,500	31,100
15	31,500	28,700	15,200	14,700	15,500	16,100	26,900	31,300	28,600	29,500	22,300	30,100
16	32,000	28,600	15,300	14,300	14,800	14,600	26,900	31,100	28,300	28,800	22,300	29,800
17	32,400	28,600	15,300	14,700	14,700	16,600	27,300	30,900	28,100	28,100	23,700	29,600
18	32,400	28,600	15,300	15,000	14,800	19,800	27,200	30,600	28,000	27,800	25,100	29,700
19	32,200	28,700	15,400	16,300	15,100	23,100	27,100	30,600	27,900	27,600	25,600	30,000
20	32,200	28,500	15,400	16,800	15,100	24,100	27,600	30,300	27,700	27,400	25,300	29,600
21	32,200	28,500	15,200	17,500	18,900	23,800	28,100	29,800	27,800	27,200	25,200	29,100
22	32,000	28,600	14,900	16,500	17,700	23,300	28,400	29,500	28,100	27,100	25,200	29,300
23	32,100	28,500	15,000	16,500	15,600	23,700	27,900	29,600	28,400	27,000	25,100	29,000
24	32,300	28,500	14,700	16,100	13,700	24,000	27,700	29,500	29,700	26,700	25,100	28,500
25	31,800	27,800	14,300	16,400	11,100	24,100	27,900	29,500	33,600	26,600	25,300	28,200
26	31,400	25,100	14,400	16,700	10,900	24,100	27,100	29,400	34,800	26,700	25,300	28,100
27	31,300	22,500	15,400	16,400	13,200	25,000	26,400	29,100	33,600	26,700	25,200	28,100
28	31,800	19,700	15,400	16,600	16,100	26,300	26,500	29,100	32,800	26,500	25,000	28,000
29	31,800	17,200	15,400	17,200	---	26,200	26,800	28,800	33,100	26,400	25,200	28,000
30	30,000	15,900	15,300	15,600	---	25,700	28,700	28,400	33,000	26,400	25,100	28,200
31	29,700	---	15,100	15,000	---	25,700	---	28,400	---	26,900	25,000	---
TOTAL	989,900	814,800	466,800	482,000	420,900	595,400	808,000	922,400	899,800	917,900	796,000	891,200
MEAN	31,930	27,160	15,060	15,550	15,030	19,210	26,930	29,750	29,990	29,610	25,680	29,710
MAX	33,500	29,500	15,400	17,500	18,900	26,300	28,700	31,300	35,000	35,700	27,900	36,500
MIN	29,700	15,900	14,300	14,200	10,900	11,800	25,600	28,400	27,700	26,400	22,300	25,100
AC-FT	1,963,000	1,616,000	925,900	956,000	834,900	1,181,000	1,603,000	1,830,000	1,785,000	1,821,000	1,579,000	1,768,000
CFSM	0.10	0.09	0.05	0.05	0.05	0.06	0.09	0.09	0.09	0.09	0.08	0.09
IN.	0.12	0.10	0.05	0.06	0.05	0.07	0.10	0.11	0.11	0.11	0.09	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
37,560	70,150	(1998)	24,250	(1993)	
32,820	72,350	(1998)	10,470	(1991)	
21,540	41,350	(1998)	12,070	(1991)	
18,810	26,850	(1998)	12,360	(1990)	
19,950	32,380	(1997)	12,210	(1991)	
25,010	49,450	(1997)	11,580	(1991)	
35,950	90,050	(1997)	24,410	(1991)	
37,220	80,690	(1997)	26,080	(2002)	
37,860	67,970	(1997)	27,010	(2002)	
37,940	66,520	(1997)	26,620	(2002)	
36,040	66,170	(1997)	25,680	(2003)	
37,710	67,290	(1997)	26,750	(1993)	

06601200 MISSOURI RIVER AT DECATUR, NE—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	8,955,600		9,005,100		31,570	
ANNUAL MEAN	24,540		24,670		57,440	
HIGHEST ANNUAL MEAN					21,450	
LOWEST ANNUAL MEAN					99,900	
HIGHEST DAILY MEAN	36,200	Aug 23	36,500	Sep 12	7,130	Apr 15, 1997
LOWEST DAILY MEAN	14,300	Dec 25	10,900	Feb 26	9,660	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	14,800	Dec 3	13,900	Mar 5	100,000	Dec 12, 1990
MAXIMUM PEAK FLOW			37,700	Sep 12	32.31	Apr 15, 1997
MAXIMUM PEAK STAGE			23.84	Jul 12		Jul 18, 1996
INSTANTANEOUS LOW FLOW			10,600	Feb 26		
ANNUAL RUNOFF (AC-FT)	17,760,000		17,860,000		22,870,000	
ANNUAL RUNOFF (CFSM)	0.078		0.078		0.10	
ANNUAL RUNOFF (INCHES)	1.05		1.06		1.36	
10 PERCENT EXCEEDS	31,800		31,800		52,200	
50 PERCENT EXCEEDS	26,700		27,100		29,900	
90 PERCENT EXCEEDS	15,400		15,000		14,800	



MISSOURI RIVER MAIN STEM

06610000 MISSOURI RIVER AT OMAHA, NE
(National stream-quality accounting network station)

LOCATION.--Lat 41° 15'32", long 95° 55'20", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.15 N., R.13 E., Douglas County, Hydrologic Unit 10230006, on right bank on left side of concrete floodwall, at foot of Douglas Street, 275 ft downstream from Interstate 480 Highway bridge in Omaha, and at mile 615.9.

DRAINAGE AREA.--322,800 mi², approximately. The 3,959 mi² in Great Divide basin are not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to current year. April 1872 to December 1899 (gage heights only) in reports of the Missouri River Commission and since January 1875, (gage heights only) in reports of the U.S. Weather Bureau.

REVISED RECORDS.--WSP 761: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 948.24 ft above NGVD of 1929. See WSP 1730 for history of changes prior to Sept. 30, 1936. Oct. 1, 1936 to Sept. 30, 1982 at datum 10.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by upstream main-stem reservoirs. Fort Randall Dam was completed in July 1952, with storage beginning in December 1952. Gavins Point Dam was completed in July 1955, with storage beginning in December 1955. U.S. Army Corps of Engineers rain gage and satellite data collection platform at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 396,000 ft³/s Apr. 18, 1952, gage height, 40.20 ft, present datum; minimum, about 2,200 ft³/s Jan. 6, 1937; minimum gage height, 6.85 ft, present datum, Feb. 5, 1989, result of freeze-up.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33,600	31,400	17,500	16,100	15,800	16,600	26,800	34,300	31,200	38,700	29,400	25,200
2	33,700	31,400	17,100	15,900	16,000	17,500	26,900	32,100	31,100	37,500	29,400	25,300
3	33,500	30,800	16,800	15,900	15,800	17,500	26,700	30,600	31,100	36,300	29,100	25,800
4	35,000	30,000	16,400	15,800	15,700	16,400	26,800	33,300	31,300	34,900	28,900	27,600
5	35,900	29,700	16,300	15,900	15,400	15,500	26,900	39,400	31,300	33,900	28,900	29,500
6	34,600	29,600	16,200	16,000	14,800	14,900	27,000	36,600	30,900	39,700	28,800	30,800
7	33,400	29,700	16,000	16,000	15,800	13,200	27,200	34,800	30,900	48,300	29,300	31,200
8	33,300	29,500	16,000	16,000	16,900	14,100	27,200	33,900	31,300	39,600	28,600	31,500
9	33,800	29,300	16,100	16,000	16,300	15,800	27,400	34,000	31,300	36,400	28,300	31,600
10	32,900	29,200	16,000	15,900	16,700	14,900	27,500	33,900	33,700	40,700	28,300	32,000
11	33,200	29,200	16,000	15,600	15,900	12,700	27,900	33,800	40,800	54,500	28,400	34,400
12	33,400	29,100	16,000	15,000	15,200	13,600	28,200	33,900	38,600	53,100	28,300	37,400
13	32,900	29,000	16,000	14,900	15,000	16,400	28,500	34,200	34,100	43,000	27,700	37,000
14	33,200	29,000	15,900	15,600	15,100	18,000	28,700	34,700	32,400	39,900	26,400	33,800
15	33,100	29,100	15,800	15,800	16,300	19,100	28,700	35,000	31,700	37,600	24,400	31,400
16	33,000	29,300	15,800	15,400	17,600	19,400	28,800	35,500	31,200	35,400	23,100	30,500
17	33,200	29,400	15,800	15,100	16,100	17,400	28,800	35,300	30,800	33,900	23,100	30,200
18	33,300	29,300	15,800	15,200	15,300	18,500	29,000	35,000	30,900	32,700	24,400	30,000
19	33,200	29,400	15,700	15,400	15,100	21,100	29,000	34,900	30,700	32,100	26,000	30,100
20	32,900	29,500	15,900	16,600	15,200	24,600	28,900	35,000	30,100	31,500	26,600	30,200
21	32,900	29,200	15,800	17,400	17,100	25,900	29,200	34,500	29,700	31,300	26,300	30,400
22	33,000	29,000	15,400	18,000	22,300	25,600	29,600	33,600	30,100	31,100	26,000	29,900
23	32,900	28,800	15,300	17,200	20,900	24,900	29,600	33,100	31,200	30,700	25,800	29,900
24	33,100	28,700	15,400	17,000	17,500	24,800	29,000	33,200	30,500	30,600	25,600	29,600
25	33,400	28,400	15,200	16,700	15,400	25,100	28,600	33,200	34,600	30,100	25,700	29,200
26	33,100	27,500	14,900	16,700	13,300	25,100	28,700	32,900	41,100	29,800	25,800	28,800
27	32,700	25,300	15,000	17,100	12,900	25,100	27,800	32,800	45,200	29,900	25,700	28,700
28	32,900	23,100	16,000	17,000	14,200	25,800	26,900	32,300	45,200	30,200	25,600	28,700
29	33,500	20,700	16,300	17,100	---	27,100	27,000	32,200	41,100	29,900	25,400	28,600
30	33,600	18,700	16,400	17,800	---	27,400	30,200	31,900	39,600	29,400	25,400	28,700
31	32,100	---	16,300	16,700	---	26,800	---	31,300	---	29,100	25,400	---
TOTAL	1,034,300	852,300	495,100	502,800	449,600	620,800	843,500	1,051,200	1,013,700	1,111,800	830,100	908,000
MEAN	33,360	28,410	15,970	16,220	16,060	20,030	28,120	33,910	33,790	35,860	26,780	30,270
MAX	35,900	31,400	17,500	18,000	22,300	27,400	30,200	39,400	45,200	54,500	29,400	37,400
MIN	32,100	18,700	14,900	14,900	12,900	12,700	26,700	30,600	29,700	29,100	23,100	25,200
AC-FT	2,052,000	1,691,000	982,000	997,300	891,800	1,231,000	1,673,000	2,085,000	2,011,000	2,205,000	1,647,000	1,801,000
CFSM	0.10	0.09	0.05	0.05	0.05	0.06	0.09	0.11	0.10	0.11	0.08	0.09
IN.	0.12	0.10	0.06	0.06	0.05	0.07	0.10	0.12	0.12	0.13	0.10	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1953	38,410	74,070	(1998)	16,920	(1962)
1954	34,100	75,040	(1998)	8,324	(1962)
1955	21,000	44,260	(1998)	8,296	(1962)
1956	17,740	33,250	(1987)	8,425	(1964)
1957	19,770	40,410	(1997)	8,162	(1963)
1958	27,860	54,660	(1997)	10,170	(1957)
1959	38,650	93,840	(1997)	16,480	(1957)
1960	38,550	87,620	(1997)	26,450	(1961)
1961	41,700	76,120	(1997)	26,890	(1961)
1962	40,320	78,560	(1993)	27,150	(1958)
1963	38,750	68,890	(1997)	26,780	(2003)
1964	38,790	69,770	(1997)	28,290	(1958)

06610000 MISSOURI RIVER AT OMAHA, NE—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003a	
ANNUAL TOTAL	9,482,000		9,713,200		33,010	
ANNUAL MEAN	25,980		26,610		62,150	
HIGHEST ANNUAL MEAN					20,490	
LOWEST ANNUAL MEAN					116,000	
HIGHEST DAILY MEAN	40,000	Jun 12	54,500	Jul 11	2,440	Apr 4, 1960
LOWEST DAILY MEAN	14,900	Dec 26	12,700	Mar 11	4,300	Dec 14, 1961
ANNUAL SEVEN-DAY MINIMUM	15,300	Dec 21	14,200	Mar 6	120,000	Nov 28, 1955
MAXIMUM PEAK FLOW			58,400	Jul 11	30.26	Jul 10, 1993
MAXIMUM PEAK STAGE			22.07	Jul 11		
INSTANTANEOUS LOW FLOW			12,300	Mar 11		
ANNUAL RUNOFF (AC-FT)	18,810,000		19,270,000		23,910,000	
ANNUAL RUNOFF (CFSM)	0.080		0.082		0.10	
ANNUAL RUNOFF (INCHES)	1.09		1.12		1.39	
10 PERCENT EXCEEDS	33,000		34,600		52,400	
50 PERCENT EXCEEDS	28,500		28,800		32,400	
90 PERCENT EXCEEDS	16,300		15,800		14,100	

a Post regulation.

