

Gaging Stations

06609500 06610000 06807000	Boyer River at Logan, IA
	Crest Stage Gaging Stations
06609560	Willow Creek near Soldier, IA
06610510	Moser Creek near Earling, IA
06610581	Mosquito Creek Tributary near Neola, IA 494
06805849	Keg Creek Tributary near Mineola, IA

06609500 BOYER RIVER AT LOGAN, IA

LOCATION.--Lat 41°38'30", long 95°46'57", in SE¹/₄ NW¹/₄ sec.19, T.79 N., R.42 W., Harrison County, Hydrologic Unit 10230007, on left bank downstream side of county bridge on Eight Street in Logan, 0.5 mi downstream from Elk Grove Creek, 10.4 mi upstream from Willow Creek, and 15.7 mi upstream from mouth

DRAINAGE AREA.--871 mi².

(WY)

(1957)

(1940)

(1938)

(1940)

(1940)

(1981)

(1957)

(1968)

(1956)

(1977)

(1976)

(1939)

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1918 to November 1924, February 1925 to July 1925, November 1937 to current year. Monthly discharge only for some periods, published in WSP 1310.

REVISED RECORDS.--WSP 956: 1938-39. WSP 1240: 1918-19, 1920 (M), 1921, 1922 (M), 1924-25, 1938 (M), 1945. WSP 1440: Drainage area,

GAGE.--Water-stage recorder. Datum of gage is 1,009.38 ft above NGVD of 1929 (Chicago and Northwestern Railway Company bench mark). See WSP 1918 for history of changes prior to Oct. 18, 1960.

REMARKS.--Records are good except those for estimated daily discharges, which are poor. U.S. Army Corps of Engineers rain gage and data collection platform with satellite telemetry at station. Precipitation records are available online at the U.S. Army Corps of Engineers website: www2.mvr.usace.army.mil/WaterControl/datamining2.cfm.

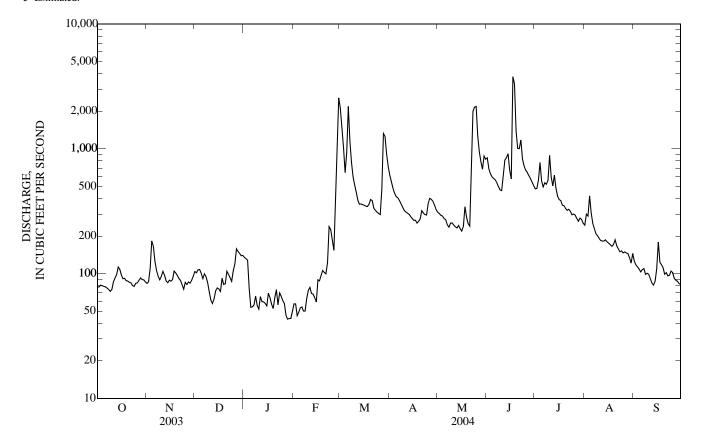
DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES DAY OCT NOV JUN SEP DEC JAN **FEB** MAR APR MAY ш. AUG 2,120 845 78 84 104 135 e57 613 310 478 245 126 2 78 86 101 132 e57 1.440 543 303 691 481 e300 117 3 128 1.020 482 e290 81 110 107 293 631 e46 564 113 440 289 778 80 183 108 e76 e49 645 596 e420 109 5 932 79 414 276 578 553 306 103 166 101 e54 e53 6 78 125 91 e54 e54 2.190 405 271 564 495 253 108 77 106 100 e56 e50 1,150 385 246 534 534 229 110 8 75 96 e94 e66 e50 776 363 236 498 520 209 99 Q 72 89 592 341 254 468 557 201 101 e84 e56 e63 10 75 95 e71 e52 511 322 255 462 886 191 99 e73 11 86 104 e61 e66 e78 447 312 245 609 594 184 91 92 e60 385 305 813 505 182 84 97 e58 e69 237 12 98 87 e63 e59 360 299 232 849 183 81 13 e68 614 113 e58 362 287 914 481 14 85 e73 e64 243 187 87 15 108 89 e77 e55 e59 357 276 229 673 418 180 110 353 179 e75 e89 575 392 98 87 e70 267 219 175 16 91 90 2.38 3.780 17 e72 e64 e87 347 268 386 171 123 18 92 105 e92 e57 e97 345 254 344 3,320 353 165 118 19 88 101 e82 e52 e106 359 262 283 1.390 350 171 112 20 87 97 e83 e64 e102 393 274 251 1.010 333 186 99 21 85 91 e105 e74 e100 384 319 240 1,000 322 167 102 22 84 88 e99 e56 e122 334 306 603 1,180 328 158 96 23 e82 e93 e238 322 1,990 315 150 97 80 e70 297 827 24 e225 79 e75 e87 e66 311 295 2,160 731 297 152 105 25 84 e85 e106 e61 e185 303 363 2,190 674 300 146 102 26 84 e82 e120 e57 297 401 1.260 647 294 149 92 e154 609 277 88 2.7 88 e86 158 e46 e556 476 393 941 146 28 262 92 e43 e1.220 1 330 380 790 577 87 e84 150 145 29 e44 90 e88 e145 e2.560 1.260 354 686 542 278 135 83 30 272 20 e95 e139 e44 904 326 875 508 121 82 253 31 86 140 e50 ---717 825 145 TOTAL 2,667 2,938 3,039 2,025 6,731 21,722 10,546 17,814 27,095 13,470 6,042 3,103 97.9 98.0 195 MEAN 86.0 65.3 232 701 352 575 903 435 103 MAX 113 183 158 135 2,560 2,190 613 2,190 3,780 886 420 179 MIN 58 43 46 297 254 219 462 253 121 81 20,920 AC-FT 5,290 5,830 6,030 4,020 13,350 43,090 35,330 53,740 26,720 11,980 6,150 0.07 0.27 0.80 0.40 1.04 0.22 **CFSM** 0.10 0.11 0.11 0.66 0.50 0.12 IN. 0.11 0.13 0.13 0.09 0.29 0.93 0.45 0.76 1.16 0.58 0.26 0.13 STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2004, BY WATER YEAR (WY) MEAN 183 137 127 592 441 519 756 468 304 249 MAX 796 558 565 692 1.209 2,619 1.988 1,698 2.541 3,022 1,636 1,288 (1951)(WY) (1974)(1974)(1973)(1973)(1971)(1979)(1983)(1984)(1990)(1993)(1978)34.5 MIN 3.06 40.4 399 33.3 11.1 8.33 6.68 51.0

BOYER RIVER BASIN 431

06609500 BOYER RIVER AT LOGAN, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALE	ENDAR YEAR	FOR 2004 WAT	ΓER YEAR	WATER YEARS	5 1919 - 2004
ANNUAL TOTAL	115,186		117,192			
ANNUAL MEAN	316		320		358	
HIGHEST ANNUAL MEAN					1,018	1993
LOWEST ANNUAL MEAN					58.7	1956
HIGHEST DAILY MEAN	4,170	Jul 11	3,780	Jun 17	24,600	Jul 9, 1993
LOWEST DAILY MEAN	58	Dec 12	43	Jan 28 a	1.5	Jul 16, 1938
ANNUAL SEVEN-DAY MINIMUM	68	Feb 6	49	Jan 26	2.0	Jan 13, 1940
MAXIMUM PEAK FLOW			4,820	Jun 17	30,800	Jun 17, 1990
MAXIMUM PEAK STAGE			10.67	Jun 17	25.22	Mar 1, 1965 a
ANNUAL RUNOFF (AC-FT)	228,500		232,500		259,200	
ANNUAL RUNOFF (CFSM)	0.362	2	0.368		0.411	
ANNUAL RUNOFF (INCHES)	4.92		5.01		5.58	
10 PERCENT EXCEEDS	629		688		754	
50 PERCENT EXCEEDS	165		162		166	
90 PERCENT EXCEEDS	78		66		35	

a Ice affected. e Estimated.



06609500 BOYER RIVER AT LOGAN, IA—Continued

(Large river mass contaminents station)

WATER QUALITY RECORDS

PERIOD OF RECORD.--October 2003 to September 30, 2004.

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

Date	Time	Instantaneous discharge, cfs (00061)	Stream width, feet (00004)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)
MAR 12	0930	382	90.0	79	737	13.2	96	8.5	612	1.0	236	287	
APR 14	0730	293	90.0	28	733	11.1	100	8.3	637	9.1	238	290	
MAY 11 23	1300 1015	242 1,820	90.0	42 2,600	730 723	8.0 4.8	97 56	8.4 7.4	630 429	22.5 20.0	237 145	289 177	
JUN 08 17 JUL	1130 1000	497 4,740	95.0 110	98 E3,700	735 738	7.8 4.7	97 54	8.3 7.6	661 260	24.1 20.0	230 88	281 108	
13 AUG	1230	651	92.0	170	733	8.1	107	8.1	686	27.8	238	265	12
10	1130	190	90.0	42		10.3		8.4	198	21.9	256	300	6
SEP 07	1530	110	80.0	11		10.1		8.6	664	25.3	254	307	1
		WATE	R-QUALIT	Y DATA, V	VATER YI	EAR OCTO	DBER 2003	TO SEPTE	EMBER 200	04—CONT	INUED		
					Nitrite		Partic-	Ortho-			Total	Total	
Date	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	ulate nitro- gen, susp, water, mg/L (49570)	phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	nitro- gen, wat flt by anal ysis, mg/L (62854)	nitro- gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
MAR 12	ide, water, fltrd, mg/L	water, fltrd, mg/L	water, fltrd, mg/L	water, fltrd, mg/L as N	nitrate water fltrd, mg/L as N	water, fltrd, mg/L as N	nitro- gen, susp, water, mg/L	phate, water, fltrd, mg/L as P	phorus, water, fltrd, mg/L	phorus, water, unfltrd mg/L	gen, wat flt by anal ysis, mg/L	gen, wat unf by anal ysis, mg/L	carbon, suspnd sedimnt total, mg/L
MAR 12 APR 14	ide, water, fltrd, mg/L (00940)	water, fltrd, mg/L (00955)	water, fltrd, mg/L (00945)	water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)	water, fltrd, mg/L as N (00613)	nitro- gen, susp, water, mg/L (49570)	phate, water, fltrd, mg/L as P (00671)	phorus, water, fltrd, mg/L (00666)	phorus, water, unfltrd mg/L (00665)	gen, wat flt by anal ysis, mg/L (62854)	gen, wat unf by anal ysis, mg/L (62855)	carbon, suspnd sedimnt total, mg/L (00694)
MAR 12 APR 14 MAY 11 23	ide, water, fltrd, mg/L (00940)	water, fltrd, mg/L (00955)	water, fltrd, mg/L (00945)	water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)	water, fltrd, mg/L as N (00613)	nitro- gen, susp, water, mg/L (49570)	phate, water, fltrd, mg/L as P (00671)	phorus, water, fltrd, mg/L (00666)	phorus, water, unfltrd mg/L (00665)	gen, wat flt by anal ysis, mg/L (62854)	gen, wat unf by anal ysis, mg/L (62855)	carbon, suspnd sedimnt total, mg/L (00694)
MAR 12 APR 14 MAY 11 23 JUN 08 17	ide, water, fltrd, mg/L (00940) 19.0 22.5 20.1	water, fltrd, mg/L (00955) 15.7 11.3 9.5	water, fltrd, mg/L (00945) 45.0 44.9 43.2	water, fltrd, mg/L as N (00608) .12 <.04	nitrate water fltrd, mg/L as N (00631) 8.55 8.98 7.83	water, fltrd, mg/L as N (00613) .016 .008	nitro- gen, susp, water, mg/L (49570) .37 .23	phate, water, fltrd, mg/L as P (00671) .372 .303	phorus, water, fltrd, mg/L (00666) .39 .30	phorus, water, unfltrd mg/L (00665) .60 .39	gen, wat flt by anal ysis, mg/L (62854) 8.68 8.94 7.62	gen, wat unf by anal ysis, mg/L (62855) 9.26 9.60 8.29	carbon, suspnd sedimnt total, mg/L (00694) 3.3 1.6 4.5
MAR 12 APR 14 MAY 11 23 JUN 08 17 JUL 13	ide, water, fltrd, mg/L (00940) 19.0 22.5 20.1 13.3 18.8	water, fltrd, mg/L (00955) 15.7 11.3 9.5 9.5 16.2	water, fltrd, mg/L (00945) 45.0 44.9 43.2 25.1 38.6	water, fltrd, mg/L as N (00608) .12 <.04 <.04 .20	nitrate water fltrd, mg/L as N (00631) 8.55 8.98 7.83 6.04 12.0	water, fltrd, mg/L as N (00613) .016 .008 .019 .114	nitro- gen, susp, water, mg/L (49570) .37 .23 .47 E1.29	phate, water, fltrd, mg/L as P (00671) .372 .303 .246 .195	phorus, water, fltrd, mg/L (00666) .39 .30 .26 .22	phorus, water, unfltrd mg/L (00665) .60 .39 .43 6.83	gen, wat flt by anal ysis, mg/L (62854) 8.68 8.94 7.62 6.79	gen, wat unf by anal ysis, mg/L (62855) 9.26 9.60 8.29 9.14 8.11	carbon, suspnd sedimnt total, mg/L (00694) 3.3 1.6 4.5 E12.9
MAR 12 APR 14 MAY 11 23 JUN 08 17 JUL	ide, water, fltrd, mg/L (00940) 19.0 22.5 20.1 13.3 18.8 5.97	water, fltrd, mg/L (00955) 15.7 11.3 9.5 9.5 16.2 8.0	water, fltrd, mg/L (00945) 45.0 44.9 43.2 25.1 38.6 12.6	water, fltrd, mg/L as N (00608) .12 <.04 .20 <.04 .20	nitrate water fltrd, mg/L as N (00631) 8.55 8.98 7.83 6.04 12.0 4.63	water, fltrd, mg/L as N (00613) .016 .008 .019 .114 .010 .052	nitro- gen, susp, water, mg/L (49570) .37 .23 .47 E1.29 1.34 13.0	phate, water, fltrd, mg/L as P (00671) .372 .303 .246 .195 .292 .143	phorus, water, fltrd, mg/L (00666) .39 .30 .26 .22 .31 .172	phorus, water, unfltrd mg/L (00665) .60 .39 .43 6.83 .62 7.77	gen, wat flt by anal ysis, mg/L (62854) 8.68 8.94 7.62 6.79 13.0 4.99	gen, wat unf by anal ysis, mg/L (62855) 9.26 9.60 8.29 9.14 8.11 16.1	carbon, suspnd sedimnt total, mg/L (00694) 3.3 1.6 4.5 E12.9 9.1

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06609500 BOYER RIVER AT LOGAN, IA—Continued

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)
MAR 12	<.1	3.2	3.3	1.4	1.6	<.006	E.027	.008	<.005	<.005	.084	<.050	<.010
APR													
14 MAY	<.1	1.6	2.4	1.9	2.7	<.006	E.019	.023	<.005	<.005	.070	<.050	<.010
11 23 JUN	.1 E.2	4.3 E12.7	2.7 7.1	7.6 37.4	16.4 27.1	<.006 <.006	E.045 E.668	.111 5.23	.007 .039	<.005 <.005	.566 26.9	<.050 <.050	<.010 <.010
08 17 JUL	.1 3.7	9.0 121	4.1 4.6	4.1 37.7	6.6 17.9	<.006 <.006	E.042 E.418	.038 .390	<.005 E.005	<.005 <.005	.428 17.7	<.050 <.050	<.010 <.010
13	.1	9.9	2.4	9.5	12.8	<.006	E.028	.016	<.005	<.005	.258	<.050	<.010
AUG 10	<.1	4.1	2.1	2.6	7.5	<.006	E.029	.009	<.005	<.005	.175	<.050	<.010
SEP 07	<.1	.9	2.5	5.5	6.5	<.006	E.016	1.03	<.005	<.005	.239	<.050	<.010
		WATE	R-QUALIT	Y DATA, '	WATER Y	EAR OCTO	DBER 2003	TO SEPTE	EMBER 200	04—CONT	INUED		
					cis-			Desulf-					Ethal-
	Butyl-	Car- baryl,	Carbo- furan,	Chlor-	Per- methrin	Cyana-	DCPA,	inyl fipro-	Diazi-	Diel-	Disul- foton,	EPTC,	flur- alin,
	ate,	water,	water,	pyrifos	water	zine,	water	nil,	non,	drin,	water,	water,	water,
	water, fltrd,	fltrd 0.7u GF	fltrd 0.7u GF	water, fltrd,	fltrd 0.7u GF	water, fltrd,	fltrd 0.7u GF	water, fltrd,	water, fltrd,	water, fltrd,	fltrd 0.7u GF	fltrd 0.7u GF	fltrd 0.7u GF
Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(04028)	(82680)	(82674)	(38933)	(82687)	(04041)	(82682)	(62170)	(39572)	(39381)	(82677)	(82668)	(82663)
MAR 12 APR	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
14 MAY	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
11 23	<.004 <.004	<.041 E.007	<.020 <.020	<.005 .012	<.006 <.006	<.018 .029	<.003 <.003	<.012 <.012	<.005 <.005	<.009 <.009	<.02 <.02	<.004 E.003	<.009 <.009
JUN 08	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
17 JUL	<.004	<.041	E.736	.006	<.006	E.015	<.003	E.003	<.005	<.009	<.02	<.004	<.009
13 AUG	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
10 SEP	<.004	<.041	<.020	E.004	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
07	<.004	<.041	<.020	<.005	<.006	E.007	<.003	<.012	<.005	<.009	<.02	<.004	<.009
		WATE	R-QUALIT	Y DATA,	WATER Y	EAR OCTO	DBER 2003	TO SEPTE	EMBER 200	04—CONT	INUED		
		Desulf-								Methyl			
	Etho-	inyl-	Fipro- nil	Fipro- nil	Fipro-			Limumon	Mala-	para-	Matala	Matri	Moli-
	prop, water,	fipro- nil	sulfide	sulfone	nil,	Fonofos	Lindane	Linuron water	thion,	thion, water,	Metola- chlor,	Metri- buzin,	nate, water,
	fltrd	amide,	water,	water,	water,	water,	water,	fltrd	water,	fltrd	water,	water,	fltrd
Date	0.7u GF ug/L	wat flt ug/L	fltrd, ug/L	fltrd, ug/L	fltrd, ug/L	fltrd, ug/L	fltrd, ug/L	0.7u GF ug/L	fltrd, ug/L	0.7u GF ug/L	fltrd, ug/L	fltrd, ug/L	0.7u GF ug/L
Date	(82672)	(62169)	(62167)	(62168)	(62166)	(04095)	(39341)	(82666)	(39532)	(82667)	(39415)	(82630)	(82671)
MAR													
12 APR	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.205	<.006	<.003
14 MAY	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.042	<.006	<.003
11	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.333	.007	<.003
23 JUN	<.005	<.029	<.013	<.024	E.006	<.003	<.004	<.035	<.027	<.015	3.91	.139	<.003
08 17 JUL	<.005 <.005	<.029 <.029	<.013 <.013	<.024 E.005	<.016 E.010	<.003 <.003	<.004 <.004	<.035 <.035	<.027 <.027	<.015 <.015	.146 .650	E.004 .008	<.003 <.003
13	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.053	<.006	<.003
AUG 10	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.035	<.006	<.003
SEP 07	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.111	<.006	<.003

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06609500 BOYER RIVER AT LOGAN, IA—Continued

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

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
MAR													
12	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	<.005	<.02
APR													
14	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02
MAY													
11	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02
23	<.007	<.003	<.010	<.004	E.021	<.011	.01	<.004	<.025	<.011	<.02	.092	<.02
JUN													
08	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	E.005	<.02
17	<.007	<.015	<.010	<.004	E.016	<.011	.01	<.004	<.025	<.011	<.02	.076	<.02
JUL													
13	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.149	<.02
AUG													
10	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	E.004	<.02
SEP													
07	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02

					Tri-	Sus-		
	Terba-	Terbu-	Thio-	Tri-	flur-	pended	Number	
	cil,	fos,	bencarb	allate,	alin,	sedi-	of	
	water,	water,	water	water,	water,	ment	sam-	
	fltrd	fltrd	fltrd	fltrd	fltrd	concen-	pling	
	0.7u GF	tration	points,					
Date	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	count	
	(82665)	(82675)	(82681)	(82678)	(82661)	(80154)	(00063)	
MAR								
12	<.034	<.02	<.010	<.002	<.009	189	9	
APR								
14	<.034	<.02	<.010	<.002	<.009	77	10	
MAY								
11	<.034	<.02	<.010	<.002	<.009	156	12	
23	<.034	<.02	<.010	<.002	.015	6,330	10	
JUN								
08	<.034	<.02	<.010	<.002	<.009	253	11	
17	<.034	<.02	<.010	<.002	.016	7,600	8	
JUL								
13	<.034	<.02	<.010	<.002	<.009	677	9	
AUG								
10	E.031	<.02	<.010	<.002	<.009	332	12	
SEP								
07	<.034	<.02	<.010	<.002	<.009	33	10	

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

 $LOCATION.--Lat\ 41^{\circ}15^{\circ}32^{\circ},\ long\ 95^{\circ}55^{\circ}20^{\circ},\ in\ SE^{1}_{4}\ NW^{1}_{4}\ sec.23,\ T.15\ N.,\ R.13\ E.,\ Douglas\ County,\ Hydrologic\ Unit\ 10230006,\ on\ right\ bank\ on\ left\ side\ of\ concrete\ floodwall,\ at\ foot\ of\ Douglas\ Street,\ 275\ ft\ downstream\ from\ Interstate\ 480\ Highway\ bridge\ in\ Omaha,\ and\ at\ mile\ 615.9.$

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 data collection platform with satellite telemetry at station. Precipitation records are available online at the U.S. Army Corps of Engineers website: www2.mvr.usace.army.mil/WaterControl/datamining2.cfm.

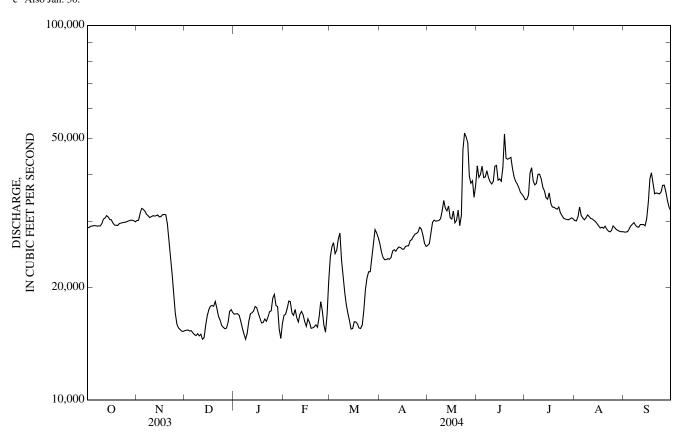
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 396,000 ft³/s Apr. 18, 1952, gage height, 40.20 ft, present datum; minimum, about 2,200 ft³/s Jan. 6, 1937; minimum gage height, 6.85 ft, present datum, Feb. 5, 1989, result of freeze-up.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2	28,800 28,800	30,100 30,200	15,300 15,300	16,900 17,000	16,800 16,900	24,100 25,600	26,100 24,800	25,900 26,100	42,200 39,200	34,200 34,300	30,100 30,000	28,000 28,100
2 3 4	29,100	31,500	15,400	17,000	17,500	26,300	24,000	27,800	40,000	35,200	30,800	28,100
4 5	29,100 29,200	32,400 32,300	15,300 15,300	16,800 16,200	18,400 18,300	24,500 25,100	23,700 23,700	29,800 30,200	42,100 39,200	40,200 41,600	32,700 31,100	28,500 29,100
6 7	29,200 29,100	31,900 31,300	15,100 14,900	15,500 15,000	17,100 16,800	26,900 27,900	23,800 23,700	30,000 30,000	39,400 40,900	38,500 37,500	30,600 30,200	29,400 29,700
8	29,100	31,000	14,800	14,500	17,400	23,700	24,000	30,100	39,200	37,800	30,600	29,200
9 10	29,100	30,700	15,000	15,100	16,600	21,500	25,000	30,400	38,300	40,000	31,200	29,000
	29,500	30,800	14,800	16,200	16,100	19,400	25,200	31,900	37,700	40,000	30,900	28,900
11 12	30,300 30,600	31,000 31,000	15,000 14,500	17,000 17,100	16,900 17,200	17,900 17,000	24,900 25,300	34,000 32,500	38,300 42,000	38,900 37,000	30,500 30,400	29,400 29,400
13	31,000	31,000	14,600	17,100	16,800	16,300	25,600	31,900	42,200	36,200	30,200	29,400
14 15	30,800	31,200	15,800	17,700	16,200	15,400	25,500	32,900	38,600	34,700	29,900	29,200
15	30,300	30,800	16,800	17,600	15,700	15,500	25,200	30,600	38,900	34,300	29,500	30,500
16	30,200	30,800	17,400	17,000	16,500	16,200	25,300	30,400	38,300	35,700	29,100	33,700
17 18	29,700	31,200	17,800	16,500	16,100	16,100	25,700	31,900	41,700	33,500	28,700	39,000
18 19	29,300 29,300	31,300 31,200	17,900 17,800	16,000 16,100	15,500 15,600	15,900 15,500	25,800 25,800	29,700 30,200	51,300 44,200	32,700 32,700	28,900 28,700	40,400 37,900
20	29,200	29,500	18,300	16,400	15,700	15,500	26,600	32,100	43,900	32,400	29,100	35,500
21	29,500	26,400	17,500	16,200	15,800	15,800	26,800	29,200	44,100	32,300	28,600	35,700
21 22	29,600	23,900	16,700	16,600	15,600	17,300	27,300	31,000	44,400	32,700	28,200	35,600
23	29,700	21,700	16,300	17,200	16,600	19,700	27,700	46,600	41,500	31,600	28,100	35,500
23 24 25	29,800 29,800	19,000 17,000	15,800 15,600	17,300 18,700	18,300 17,300	21,200 22,000	27,800 28,100	51,600 50,300	39,400 38,300	31,000 30,600	28,300 29,100	35,900 37,400
	,	*	,	,	· ·	,		,			,	
26 27	29,900 30,100	15,900 15,600	15,500 15,500	19,100 17,900	15,800 15,200	22,000 24,000	28,900 28,600	48,700 39,500	37,700 36,900	30,400 30,300	28,800 28,500	37,400 36,000
28	30,100	15,400	16,100	17,700	16,900	26,200	27,500	37,900	35,800	30,300	28,300	34,000
29 30	30,200	15,300	17,200	15,500	20,800	28,500	26,100	38,500	35,400	30,400	28,200	32,700
30	30,100	15,200	17,400	14,600		27,900	25,700	34,700	34,900	30,600	28,100	32,000
31	29,900		17,100	16,000		27,100		37,500		30,400	28,100	
TOTAL	920,500	806,600	497,800	515,700	486,400	658,000	774,200	1,053,900	1,206,000	1,067,900	915,500	974,600
MEAN MAX	29,690 31,000	26,890 32,400	16,060 18,300	16,640 19,100	16,770 20,800	21,230 28,500	25,810 28,900	34,000 51,600	40,200 51,300	34,450 41,600	29,530 32,700	32,490 40,400
MIN	28,800	15,200	14,500	14,500	15,200	15,400	23,700	25,900	34,900	30,200	28,100	28,000
AC-FT	1,826,000	1,600,000	987,400	1,023,000	964,800	1,305,000	1,536,000	2,090,000	2,392,000	2,118,000	1,816,000	1,933,000
CFSM	0.09	0.08	0.05	0.05	0.05	0.07	0.08	0.11	0.12	0.11	0.09	0.10
IN.	0.11	0.09	0.06	0.06	0.06	0.08	0.09	0.12	0.14	0.12	0.11	0.11
STATIST	TICS OF MO	ONTHLY MI	EAN DATA	FOR WATE	ER YEARS	1953 - 2004	BY WATE	R YEAR (W	YY)			
MEAN	38,240	33,960	20,900	17,720	19,710	27,730	38,400	38,460	41,670	40,210	38,580	38,670
MAX	74,070	75,040	44,260	33,250	40,410	54,660	93,840	87,620	76,120	78,560	68,890	69,770
(WY) MIN	(1998) 16,920	(1998) 8,324	(1998) 8,296	(1987) 8,425	(1997) 8,162	(1997) 10,170	(1997) 16,480	(1997) 26,450	(1997) 26,890	(1993) 27,150	(1997) 26,780	(1997) 28,290
(WY)	(1962)	(1962)	(1962)	(1964)	(1963)	(1957)	(1957)	(1961)	(1961)	(1958)	(2003)	(1958)
()	()	()	()	()	()	(/)	(/)	()	()	(0)	(===0)	(-,-0)

06610000 MISSOURI RIVER AT OMAHA, NE—Continued

SUMMARY STATISTICS	FOR 2003 CALENI	OAR YEAR	FOR 2004 WA	TER YEAR	WATER YEARS	1953 - 2004 a
ANNUAL TOTAL	9,556,400		9,877,100			
ANNUAL MEAN	26,180		26,990		32,890	
HIGHEST ANNUAL MEAN					62,150	1997
LOWEST ANNUAL MEAN					20,490	1957
HIGHEST DAILY MEAN	54,500	Jul 11	51,600	May 24	116,000	Apr 4, 1960
LOWEST DAILY MEAN	12,700	Mar 11	14,500	Dec 12 b	2,440	Dec 14, 1961
ANNUAL SEVEN-DAY MINIMUM	14,200	Mar 6	14,800	Dec 7	4,300	Nov 28, 1955
MAXIMUM PEAK FLOW			53,400	Jun 18	120,000	Apr 1, 1960
MAXIMUM PEAK STAGE			22.57	Jun 18	30.26	Jul 10, 1993
INSTANTANEOUS LOW FLOW			14,100	Jan 29 c		
ANNUAL RUNOFF (AC-FT)	18,960,000		19,590,000		23,830,000	
ANNUAL RUNOFF (CFSM)	0.081		0.084		0.102	
ANNUAL RUNOFF (INCHES)	1.10		1.14		1.38	
10 PERCENT EXCEEDS	34,400		38,300		52,100	
50 PERCENT EXCEEDS	28,700		28,900		32,200	
90 PERCENT EXCEEDS	15,400		15,800		14,300	



a Post regulation.b Also Jan. 8.c Also Jan. 30.

06610000 MISSOURI RIVER AT OMAHA, NE—Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--October 2003 to September 30, 2004.

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

Date	Time	Instantaneous discharge, cfs (00061)	Stream width, feet (00004)	Turbid- ity, wat unf lab, Hach 2100AN NTU (99872)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)
MAR 11	1030	1,180	225	200	744	11.9	96	8.3	490	5.2	172	210	16.9
29 APR	1230	4,180	260	E1,100	740	8.2	78	7.7	440	12.0	151	184	18.3
12 MAY	1300	1,210	235	63		11.3		8.2	533	10.3	174	213	17.5
10 25 JUN	1230 1045	4,630 15,800	260 310	E4,200 2,300	737 732	3.5 5.3	40 58	7.5 7.2	387 238	20.6 17.5	121 80	147 97	11.2 6.35
07	1245	3,580	250	200	733	7.6	89	8.0	510	21.3	176	214	13.8
JUL 12 AUG	1230	2,670	240	520	741	7.4	92	7.9	454	24.4	148	181	11.8
09	1230	1,480	210	58	742	8.2	97	8.1	502	22.0	194	236	14.9
SEP 07	1230	823	200	93	743	8.6	99	8.3	542	21.2	198	242	15.1
		WATE	R-QUALIT	Y DATA, V	WATER YI	EAR OCTO	DBER 2003	TO SEPTE	EMBER 200	04—CONT	INUED		
Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)
MAR 11	14.0	31.7	.18	7.85	.025	.70	.177	.192	.72	8.55	8.76	7.1	<.1
29 APR	12.7	27.8	.18	7.37	.063	4.03	.158	.190	3.09	7.93	11.7	47.2	.2
12 MAY	11.4	30.4	<.04	7.75	.011	.32	.155	.176	.37	8.15	8.61	2.7	<.1
10 25	8.9 9.2	21.1 12.9	.22 .16	6.45 5.89	.164 .071	15.1 .72	.101 .076	.123 .101	9.41 6.02	6.98 6.39	16.9 10.4	145 7.1	8.1
JUN 07	16.2	27.0	<.04	11.5	.024	.98	.157	.162	.76	11.5	6.61	9.6	.2
JUL 12	14.2	21.8	<.04	8.01	.038	2.81	.154	.172	1.16	8.24	10.1	27.6	.4
AUG 09	16.5	28.4	<.04	7.24	.011	.85	.206	.22	.63	7.64	8.38	8.2	. , <.1
SEP 07	13.5	28.8	<.04	4.30	.016	.53	.180	.17	.42	4.59	5.02	4.1	<.1
07	13.3	20.0	₹. 0∓	7.50	.010	.55	.100	.1/	.72	7.57	5.02	7.1	\.1

06610000 MISSOURI RIVER AT OMAHA, NE—Continued

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)
MAR 11 29	7.0 47.0	3.3 6.0	3.8 26.2	4.7 24.6	<.006 <.006	E.024 E.028	.009 .026	<.005 <.005	<.005 <.005	.078 .160	<.050 <.050	<.010 <.010	<.004 <.004
APR 12	2.7	2.2	2.5	6.2	<.006	E.023	.017	<.005	<.005	.070	<.050	<.010	<.004
MAY 10 25	137 6.9	5.1 5.4	6.6 18.2	3.2 8.8	<.006 <.006	E.441 E.469	2.28 .884	.240 .051	<.005 <.005	E41.7 8.69	<.050 <.050	<.010 <.010	<.004 <.004
JUN 07	9.4	3.5	3.1	2.5	<.006	E.076	.051	.006	<.005	.781	<.050	<.010	<.004
JUL 12	27.2	3.2	5.7	3.9	<.006	E.068	.032	<.005	<.005	.681	<.050	<.010	<.004
AUG 09	8.1	2.4	5.5	10.9	<.006	E.036	.015	<.005	<.005	.239	<.050	<.010	<.004
SEP 07	4.1	2.7	9.4	13.6	<.006	E.025	.025	<.005	<.005	.273	<.050	<.010	<.004
		WATE	R-QUALIT	Y DATA,	WATER Y	EAR OCTO	DBER 2003	TO SEPTE	EMBER 20	04—CONT	INUED		
		a .		cis-			Desulf-			5		Ethal-	.
	Car- baryl,	Carbo- furan,	Chlor-	Per- methrin	Cyana-	DCPA,	inyl fipro-	Diazi-	Diel-	Disul- foton,	EPTC,	flur- alin,	Etho- prop,
	water,	water,	pyrifos	water	zine,	water	nil,	non,	drin,	water,	water,	water,	water,
	fltrd 0.7u GF	fltrd 0.7u GF	water, fltrd,	fltrd 0.7u GF	water, fltrd,	fltrd 0.7u GF	water, fltrd,	water, fltrd,	water, fltrd,	fltrd 0.7u GF	fltrd 0.7u GF	fltrd 0.7u GF	fltrd 0.7u GF
Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(82680)	(82674)	(38933)	(82687)	(04041)	(82682)	(62170)	(39572)	(39381)	(82677)	(82668)	(82663)	(82672)
MAR													
11 29	<.041 <.041	<.020 <.020	<.005 .006	<.006 <.006	<.018 E.012	<.003 <.003	<.012 <.012	<.005 <.005	<.009 <.009	<.02 <.02	<.004 <.004	<.009 <.009	<.005 <.005
APR 12 MAY	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
10	E.007	<.020	.008	<.006	.019	<.003	<.012	<.005	E.006	<.02	<.004	<.009	<.005
25 JUN	E.007	<.020	.027	<.006	.516	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
07 JUL	<.041	<.020	<.005	<.006	E.008	<.003	<.012	<.005	E.003	<.02	<.004	<.009	<.005
12 AUG	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
09 SEP	<.041	<.020	E.004	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
07	<.041	<.020	<.005	<.006	E.016	<.003	<.012	<.005	<.009	<.02	<.004	<.009	<.005
		WATE	R-QUALIT	Y DATA,	WATER Y	EAR OCTO	DBER 2003	TO SEPTE	EMBER 20	04—CONT	INUED		
	Desulf-								Methyl				
	inyl-	Fipro-	Fipro-						para-			Moli-	Naprop-
	fipro-	nil	nil	Fipro-	г с	T . 1	Linuron	Mala-	thion,	Metola-	Metri-	nate,	amide,
	nil amide,	sulfide water,	sulfone water,	nil, water,	Fonofos water,	Lindane water,	water fltrd	thion, water,	water, fltrd	chlor, water,	buzin, water,	water, fltrd	water, fltrd
	wat flt	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	0.7u GF	fltrd,	0.7u GF	fltrd,	fltrd,	0.7u GF	0.7u GF
Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(62169)	(62167)	(62168)	(62166)	(04095)	(39341)	(82666)	(39532)	(82667)	(39415)	(82630)	(82671)	(82684)
MAR													
11	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.027	<.006	<.003	<.007
29 APR	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.066	<.006	<.003	<.007
12 MAY	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.032	<.006	<.003	<.007
10 25	<.029 <.029	<.013 <.013	E.006 E.008	E.009 E.031	<.003 .024	<.004 <.004	<.035 <.035	<.027 <.027	<.015 <.015	.925 3.06	.053 .075	<.003 <.003	<.007 <.007
JUN 07	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.131	.006	<.003	<.007
JUL 12	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.121	E.005	<.003	<.007
AUG 09	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.041	<.006	<.003	<.007
SEP 07	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.098	<.006	<.003	<.007

06610000 MISSOURI RIVER AT OMAHA, NE—Continued

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

Date	p,p-' DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)
MAR													
11	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034
29	<.003	<.010	<.004	E.007	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034
APR													
12	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034
MAY													
10	<.003	<.010	<.004	E.017	<.011	.01	<.004	<.025	<.011	<.02	.098	<.02	<.034
25	<.003	<.010	<.004	.028	<.011	.01	<.004	<.025	<.011	<.02	.042	<.02	<.034
JUN													
07	<.003	<.010	<.004	E.009	<.011	.01	<.004	<.025	<.011	<.02	.006	<.02	<.034
JUL													
12	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.009	<.02	<.034
AUG													
09	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034
SEP	000	0.10	004			0.4	004				044		024
07	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.011	<.02	<.034

				Tri-	Sus-	
	Terbu-	Thio-	Tri-	flur-	pended	Number
	fos,	bencarb	allate,	alin,	sedi-	of
	water,	water	water,	water,	ment	sam-
	fltrd	fltrd	fltrd	fltrd	concen-	pling
	0.7u GF	0.7u GF	0.7u GF	0.7u GF	tration	points,
Date	ug/L	ug/L	ug/L	ug/L	mg/L	count
	(82675)	(82681)	(82678)	(82661)	(80154)	(00063)
MAR						
11	<.02	<.010	<.002	<.009	553	11
29	<.02	<.010	<.002	E.004	3,210	10
APR					-,-	
12	<.02	<.010	<.002	<.009	200	12
MAY						
10	<.02	<.010	<.002	.035	8,700	14
25	<.02	<.010	<.002	.034	5,340	8
JUN						
07	<.02	<.010	<.002	<.009	633	10
JUL						
12	<.02	<.010	<.002	<.009	1,500	10
AUG						
09	<.02	<.010	<.002	<.009	861	14
SEP						
07	<.02	<.010	<.002	<.009	228	11

06807000 MISSOURI RIVER AT NEBRASKA CITY, NE

 $LOCATION.--Lat\ 40^{\circ}40^{\circ}55^{\circ}, long\ 95^{\circ}50^{\circ}48^{\circ}, in\ NW^{1}_{\sqrt{4}}\ NE^{1}_{\sqrt{4}}\ sec.9, T.8\ N., R.14\ E., Otoe\ County, Hydrologic\ Unit\ 10240001, on\ right\ bank\ 1.0\ mi\ upstream\ from\ Highway\ 2\ Bridge\ at\ Nebraska\ City, and at\ mile\ 562.6.$

DRAINAGE AREA.--410,000 mi², approximately. The 3,959 mi² in Great Divide basin are not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected in this vicinity from August 1878 to December 1899 are contained in reports of Missouri River Commission.

REVISED RECORDS.--WSP 761: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 905.36 ft above NGVD of 1929, supplementary adjustment of 1954. See WSP 1918 or 1919 for history of changes prior to Apr. 1, 1963.

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 data collection platform with satellite telemetry at station. Precipitation records are available online at the U.S. Army Corps of Engineers website: www2.mvr.usace.army.mil/WaterControl/datamining2.cfm.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 414,000 ft³/s Apr. 19, 1952; maximum gage height, 27.66 ft Apr. 18, 1952; minimum discharge, 1,600 ft³/s Dec. 31, 1946 (discharge measurement); minimum gage height observed, -0.28 ft Dec. 24, 1960, result of freezeup.

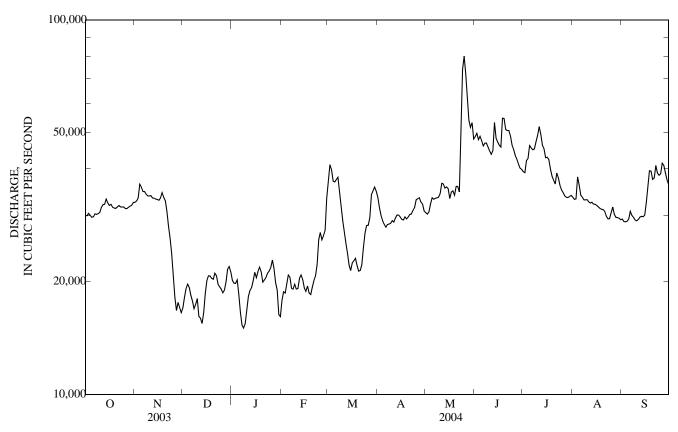
DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30,000	32,600	17,000	20,200	17,900	37,100	33,600	30,600	48,900	39,300	33,600	29,400
2	30,000	32,800	18,200	19,800	18,800	41,100	31,500	30,300	49,800	39,100	33,200	29,000
3	30,400	33,400	19,200	19,800	18,600	39,900	30,100	30,700	47,900	42,100	33,300	28,900
4	30,100	36,400	19,700	20,200	19,800	37,200	29,100	32,300	48,900	42,700	38,100	29,000
5	29,700	35,800	19,300	18,500	20,800	36,900	28,500	33,500	47,600	46,200	36,200	29,400
6	29,800	34,800	18,400	16,600	20,600	37,500	28,000	33,200	46,100	45,500	34,000	30,800
7	30,400	34,800	17,700	15,300	19,200	38,000	28,400	33,400	46,900	45,000	33,600	30,100
8	30,200	34,300	16,900	15,000	19,100	34,600	28,500	33,500	46,900	45,200	33,100	29,700
9	30,400	33,900	17,400	15,400	19,700	31,500	28,600	33,600	45,800	47,300	33,100	29,200
10	30,600	33,900	18,000	16,800	19,100	29,100	29,100	34,400	44,700	49,200	33,100	29,100
11	31,600	34,000	16,100	18,300	19,200	27,300	28,900	36,600	43,800	51,900	32,700	29,300
12	32,100	33,500	16,000	19,000	20,400	25,300	29,600	36,500	44,700	49,500	32,400	29,800
13	32,200	33,400	15,500	19,300	20,800	23,800	30,100	35,600	53,300	46,400	32,600	29,900
14	33,300	33,300	16,500	20,100	20,300	22,200	30,100	35,800	48,400	45,300	32,300	29,800
15	32,500	33,200	18,600	21,200	19,300	21,400	29,800	35,500	47,300	42,800	32,200	30,100
16	32,000	33,000	20,100	20,500	18,800	22,400	29,300	33,400	46,300	43,000	32,000	32,500
17	32,200	33,500	20,700	21,300	19,500	22,700	29,200	34,700	45,800	42,400	31,700	36,100
18	31,600	34,600	20,700	21,900	18,600	23,100	29,800	35,000	54,700	40,000	31,400	39,600
19	31,500	33,600	20,400	21,200	18,500	22,100	29,400	34,000	54,600	38,300	31,200	39,500
20	31,400	32,900	20,300	19,900	19,300	21,300	29,700	36,000	51,000	37,400	31,200	37,500
21	31,700	30,800	21,100	20,200	20,100	21,400	30,300	35,900	50,700	36,500	30,900	37,900
22	32,000	28,200	20,700	20,500	20,700	22,200	30,300	34,700	50,700	39,000	29,900	40,900
23	31,700	26,200	19,700	21,100	22,200	24,700	31,000	53,700	49,000	37,900	29,400	39,000
24	31,700	23,800	19,400	21,400	25,900	27,000	31,500	73,800	46,300	36,200	29,500	38,500
25	31,700	21,100	19,100	21,800	27,100	28,300	33,100	80,000	45,100	35,200	30,600	38,900
26 27 28 29 30 31	31,400 31,400 31,600 31,800 32,000 32,600	18,200 16,700 17,600 17,100 16,500	18,700 19,000 20,000 21,600 22,000 21,300	22,900 21,700 19,900 19,000 16,300 16,100	25,900 26,500 27,400 33,400	28,300 29,700 34,200 35,000 35,800 34,900	33,300 33,500 32,700 32,200 30,900	71,700 61,600 54,000 51,700 53,200 48,100	43,500 42,500 41,300 40,200 39,900	34,600 33,900 33,600 33,600 33,800 34,000	31,700 30,300 29,700 29,700 29,600 29,300	41,500 40,900 39,000 37,400 36,400
TOTAL	971,600	893,900	589,300	601,200	617,500	916,000	910,100	1,297,000	1,412,600	1,266,900	991,600	1,019,100
MEAN	31,340	29,800	19,010	19,390	21,290	29,550	30,340	41,840	47,090	40,870	31,990	33,970
MAX	33,300	36,400	22,000	22,900	33,400	41,100	33,600	80,000	54,700	51,900	38,100	41,500
MIN	29,700	16,500	15,500	15,000	17,900	21,300	28,000	30,300	39,900	33,600	29,300	28,900
AC-FT	1,927,000	1,773,000	1,169,000	1,192,000	1,225,000	1,817,000	1,805,000	2,573,000	2,802,000	2,513,000	1,967,000	2,021,000
CFSM	0.08	0.07	0.05	0.05	0.05	0.07	0.07	0.10	0.11	0.10	0.08	0.08
IN.	0.09	0.08	0.05	0.05	0.06	0.08	0.08	0.12	0.13	0.11	0.09	0.09
STATIST	TICS OF MO	ONTHLY M	EAN DATA	FOR WAT	ER YEARS	1953 - 2004	, BY WATE	R YEAR (W	YY)			
MEAN	42,480	38,730	25,390	21,440	26,370	37,500	47,210	47,490	51,820	46,000	42,160	42,160
MAX	76,760	79,410	52,410	39,970	48,630	66,730	98,960	90,280	117,500	116,700	71,540	73,410
(WY)	(1998)	(1998)	(1987)	(1987)	(1983)	(1983)	(1997)	(1997)	(1984)	(1993)	(1996)	(1997)
MIN	22,420	14,380	10,510	10,160	12,780	15,310	21,850	32,470	33,530	28,830	28,040	32,150
(WY)	(1962)	(1962)	(1956)	(1957)	(1957)	(1957)	(1957)	(1955)	(1958)	(2002)	(2003)	(2003)

$06807000 \ MISSOURI \ RIVER \ AT \ NEBRASKA \ CITY, \ NE-Continued$

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1953 - 2004 a		
ANNUAL TOTAL	10,972,200	11,486,800			
ANNUAL MEAN	30,060	31,380	39,090		
HIGHEST ANNUAL MEAN			66,450 1997		
LOWEST ANNUAL MEAN			25,370 1957		
HIGHEST DAILY MEAN	62,900 May 6	80,000 May 25	188,000 Jul 25, 1993		
LOWEST DAILY MEAN	15,500 Jan 18	15,000 Jan 8	4,320 Jan 11, 1957		
ANNUAL SEVEN-DAY MINIMUM	16,400 Jan 13	16,600 Jan 5	5,590 Nov 29, 1955		
MAXIMUM PEAK FLOW		82,000 May 25	196,000 Jul 23, 1993		
MAXIMUM PEAK STAGE		16.73 May 25	27.19 Jul 23, 1993		
INSTANTANEOUS LOW FLOW		14,600 Jan 8			
ANNUAL RUNOFF (AC-FT)	21,760,000	22,780,000	28,320,000		
ANNUAL RUNOFF (CFSM)	0.073	0.077	0.095		
ANNUAL RUNOFF (INCHES)	1.00	1.04	1.30		
10 PERCENT EXCEEDS	42,000	45,600	61,200		
50 PERCENT EXCEEDS	31,000	31,400	36,800		
90 PERCENT EXCEEDS	18,600	19,100	18,000		

a Post regulation.



06807000 MISSOURI RIVER AT NEBRASKA CITY, NE-Continued

WATER-QUALITY RECORDS

LOCATION.--Water quality samples were collected by boat, 0.5 miles upstream of gage.

PERIOD OF RECORD.--May 1951 to current year. Daily sediment loads August 1957 to September 1971 in reports of U.S. Army Corps of Engineers.

PERIOD OF DAILY RECORD.--SPECIFIC CONDUCTANCE: May 1951 to December 1977, October 1991 to current year.

WATER TEMPERATURES: May 1951 to December 1977, October 1991 to current year.

SUSPENDED SEDIMENT DISCHARGE: October 1971 to September 1976, October 1991 to current year.

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, 994 microsiemens Dec. 17, 1962; minimum daily, 273 microsiemens June 17, 1964. WATER TEMPERATURES: Maximum daily, 31.0°C July 26, 1977, and July 25, 1997; minimum daily, 0.0°C on many days during winter periods. SEDIMENT CONCENTRATIONS: Maximum daily mean, 8,420 mg/L Aug. 7, 1996; minimum daily mean, 80 mg/L Aug. 3, 2002. SEDIMENT LOADS: Maximum daily, 3,120,000 tons June 24, 1996; minimum daily, 3,920 tons Dec. 13, 2003.

EXTREMES FOR CURRENT YEAR .--

SPECIFIC CONDUCTANCE: Maximum daily, 806 microsiemens Jan. 12; minimum daily, 492 microsiemens May 25. WATER TEMPERATURES: Maximum daily, 29.0°C July 23; minimum daily, 2.0°C Dec. 18, Feb. 12. SEDIMENT CONCENTRATIONS: Maximum daily mean, 4,250 mg/L May 25; minimum daily, 87 mg/L Feb. 2. SEDIMENT LOADS: Maximum daily, 919,000 tons May 25; minimum daily, 3,920 tons Dec. 13.

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

Date	Time	Bed sedi- ment, dry svd sve dia percent <.063mm (80164)	Bed sedi- ment, dry svd sve dia percent <.125mm (80165)	Bed sedi- ment, dry svd sve dia percent <.25mm (80166)	Bed sedi- ment, dry svd sve dia percent <.5 mm (80167)	Bed sedi- ment, dry svd sve dia percent <1 mm (80168)	Bed sedi- ment, dry svd sve dia percent <2 mm (80169)	Bed sedi- ment, dry svd sve dia percent <4 mm (80170)	Bed sedi- ment, dry svd sve dia percent <8 mm (80171)	Bed sedi- ment, dry svd sve dia percent <16 mm (80172)	Number of sam- pling points, count (00063)
OCT		(,	((,	(,	((,	((/	(,	(/
06	1100	.0	.0	26	64	75	88	97	100		3
NOV											_
07	1345	.0	.0	16	47	69	84	94	99	100	3
JAN											
12	1415	.0	.0	21	76	90	95	96	98	100	3
FEB											
12	1445	.0	.0	17	63	82	95	99	100	100	3
MAR	1220			1.0	50	7.4	0.4	0.5	100		2
02 APR	1330	.0	.0	16	58	74	84	95	100		3
08	1220	.0	.0	18	76	92	98	99	100		3
12	1445	.0	.0	6	48	71	85	96	99	100	3
MAY	1773	.0	.0	U	70	/ 1	65	70	"	100	3
02	1415	.0	.0	16	61	73	82	93	99	100	3
JUN											
01	1440	.0	.0	9	40	74	91	98	100		3
JUL											
12	1430	.0	.0	10	44	69	90	97	100		3
AUG											_
11	1420	.0	.0	16	56	74	86	97	100		3
SEP	1250	0	0	1.5	<i>(</i> 1	0.1	0.4	00	100		2
07	1350	.0	.0	15	61	81	94	98	100		3

06807000 MISSOURI RIVER AT NEBRASKA CITY, NE—Continued

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

DAILY INSTANTANEOUS VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									707	764		
2	764					547	732					710
3 4		752 	758					754 	728		759 653	
5			136						120			
6	768						753	740		661		
6 7	708	722					133	740		661		709
8						562	745					767
9	766	744							750	699		
10		744										
11								730			764	
12 13				806	800		726			660	756	700
14	738	755							675			
15												
16						749	738			749		752
17	750	756									750	
18 19			801		700	692		742	754	750		
20					788 	683 599	742			750 	758	672
21 22	752 	765 	748					711 	712			
23					755		742			737		674
24	742	774							716			
25								492			712	
26						673	769			766		
27 28	762							 601			753	645
28 29			736			664		681	708	766		
30							758				706	
31	762											
TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY INSTANTANEOUS VALUES												
				WATER	YEAR OCT	TOBER 2003	TO SEPTE	EMBER 2004	ļ			
DAY	OCT	NOV	DEC	WATER	YEAR OCT	TOBER 2003	TO SEPTE	EMBER 2004	JUN	JUL	AUG	SEP
DAY 1	OCT	NOV	DEC	WATER	YEAR OCT DAILY INS	TOBER 2003 STANTANE	TO SEPTE OUS VALU	EMBER 2004 JES		JUL 24.5	AUG 	SEP
1 2	15.5			JAN	YEAR OCT DAILY INS FEB 	TOBER 2003 STANTANE MAR 4.5	TO SEPTE OUS VALU APR 12.5	EMBER 2004 JES MAY 	JUN 22.0	24.5		26.0
1 2 3	15.5 	 9.5		JAN	YEAR OCT DAILY INS FEB 	TOBER 2003 STANTANE MAR 4.5 	TO SEPTE OUS VALU APR 12.5 	EMBER 2004 JES MAY 15.0	JUN 22.0 	24.5	 28.0	26.0
1 2	15.5			JAN	YEAR OCT DAILY INS FEB 	TOBER 2003 STANTANE MAR 4.5	TO SEPTE OUS VALU APR 12.5	EMBER 2004 JES MAY 	JUN 22.0	24.5		26.0
1 2 3 4 5	15.5 	9.5 	 4.5 	JAN	YEAR OCT DAILY INS FEB 	MAR 4.5	TO SEPTE OUS VALU APR 12.5	MBER 2004 JES MAY 15.0 	JUN 22.0 20.5	24.5 	28.0 28.0	26.0
1 2 3 4	15.5 	9.5	 4.5	JAN	YEAR OCT DAILY INS FEB 	MAR 4.5	TO SEPTE OUS VALU APR 12.5	MBER 2004 JES MAY 15.0 	JUN 22.0 20.5	24.5 	28.0 28.0	26.0
1 2 3 4 5 6 7 8	15.5 17.0	9.5 7.5	4.5	JAN	YEAR OCT DAILY INS FEB	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5	MAY 15.0 18.0	JUN 22.0 20.5	24.5 26.0	28.0 28.0 	26.0 25.5 23.5
1 2 3 4 5 6 7 8 9	15.5 17.0 20.0	9.5 9.5 7.5	4.5	WATER JAN	YEAR OCT DAILY INS FEB	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5	MAY 15.0 18.0	JUN 22.0 20.5 21.2 24.0	24.5 26.0 23.5	28.0 28.0 	26.0 25.5 23.5
1 2 3 4 5 6 7 8 9	15.5 17.0	9.5 7.5	4.5 	WATER JAN	YEAR OCT DAILY INS FEB	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5	MAY 15.0 18.0	JUN 22.0 20.5	24.5 26.0	28.0 28.0 	26.0 25.5 23.5
1 2 3 4 5 6 7 8 9 10	15.5 17.0 20.0	9.5 7.5 6.5	4.5	WATER JAN	YEAR OCT DAILY INS FEB	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0	24.5 26.0 23.5	28.0 28.0 28.0 	26.0 25.5 23.5
1 2 3 4 5 6 7 8 9 10	15.5 17.0 20.0	9.5 7.5 6.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0	24.5 26.0 23.5 27.5	28.0 28.0 	26.0 25.5 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14	15.5 17.0 20.0	9.5 7.5 6.5	4.5	WATER JAN	YEAR OCT DAILY INS FEB	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0	24.5 26.0 23.5	28.0 28.0 28.0 	26.0 25.5 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13	15.5 17.0 20.0	9.5 7.5 6.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB	TOBER 2003 STANTANEO MAR 4.5 5.5 5	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0	24.5 26.0 23.5 27.5	28.0 28.0 28.0 25.0 23.5	26.0 25.5 23.5 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14	15.5 17.0 20.0 17.5	9.5 7.5 6.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0	MAR 4.5 5.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0 24.5	24.5 26.0 23.5 27.5	28.0 28.0 25.0 23.5	26.0 25.5 23.5 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	15.5 17.0 20.0 17.5 16.0	9.5 7.5 6.5 7.5 8.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0	MAR 4.5 5.5 6.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0 24.5	24.5 26.0 23.5 27.5 28.0	28.0 28.0 28.0 25.0 23.5 24.0	26.0 25.5 23.5 24.5 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	15.5 17.0 20.0 17.5 16.0	9.5 7.5 6.5 7.5 8.5	4.5 2.0	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0	MAR 4.5 5.5 6.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0	MAY 15.0 18.0 21.0 19.5	JUN 22.0 20.5 24.0 24.5 25.0	24.5 26.0 23.5 27.5 28.0	28.0 28.0 28.0 25.0 23.5 24.0	26.0 25.5 23.5 24.5 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	15.5 17.0 20.0 17.5 16.0	9.5 7.5 6.5 7.5 8.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0	MAR 4.5 5.5 6.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0	MAY 15.0 18.0 21.0	JUN 22.0 20.5 24.0 24.5	24.5 26.0 23.5 27.5 28.0	28.0 28.0 28.0 25.0 23.5 24.0	26.0 25.5 23.5 24.5 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	15.5 17.0 20.0 17.5 16.0	9.5 9.5 7.5 6.5 7.5 8.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0	MAR 4.5 5.5 6.5 7.5 10.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0	MAY 15.0 18.0 21.0 19.5 19.5	JUN 22.0 20.5 24.0 24.5 25.0	24.5 26.0 23.5 27.5 28.0 28.5	28.0 28.0 28.0 25.0 23.5 24.0	26.0 25.5 23.5 24.5 24.5 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	15.5 17.0 20.0 17.5 16.0	7.5 6.5 7.5 8.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0	MAR 4.5 5.5 6.5 7.5	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0	MAY 15.0 18.0 21.0 19.5	JUN 22.0 20.5 24.0 24.5 25.0	24.5 26.0 23.5 27.5 28.0 28.5	28.0 28.0 28.0 25.0 23.5 24.0	26.0 25.5 23.5 24.5 24.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	17.5 17.5 17.5 17.5	9.5 7.5 6.5 7.5 8.5 9.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0 4.5	MAR 4.5 5.5 6.5 7.5 10.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5	MAY 15.0 18.0 21.0 19.5 21.5 21.5	JUN 22.0 20.5 24.0 24.5 25.0 23.0	24.5 26.0 23.5 27.5 28.0 28.5 29.0	28.0 28.0 28.0 25.0 23.5 24.0 24.5	26.0 25.5 23.5 24.5 24.5 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	17.5 17.0 17.5 17.5 17.5 17.5 17.5 17.5	9.5 6.5 8.5 9.5 6.0	4.5 2.0 3.0	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0 4.5	MAR 4.5 5.5 6.5 7.5 10.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5	MAY 15.0 18.0 21.0 19.5 21.5 21.5	JUN 22.0 20.5 24.0 24.5 25.0 23.0 24.0	24.5 26.0 23.5 27.5 28.0 28.5 29.0	28.0 28.0 28.0 25.0 23.5 24.0 24.5	26.0 25.5 23.5 24.5 24.5 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	17.5 17.0 17.5 17.5 17.5 17.5 17.5 17.5	9.5 7.5 6.5 7.5 8.5 9.5	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0 4.5	MAR 4.5 5.5 5.5 6.5 7.5 10.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5	MAY 15.0 18.0 21.0 19.5 19.5	JUN 22.0 20.5 24.0 24.5 25.0 23.0	24.5 26.0 23.5 27.5 28.0 28.5 29.0	28.0 28.0 28.0 25.0 23.5 24.0 24.5 25.5	26.0 25.5 23.5 24.5 24.5 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	17.5 17.0 17.5 17.5 17.5 17.5 17.5 17.5	9.5 7.5 6.5 7.5 8.5 9.5 6.0	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0 4.5	MAR 4.5 5.5 6.5 7.5 10.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5 16.5	MAY 15.0 18.0 21.0 19.5 19.5 19.5	JUN 22.0 20.5 24.0 24.5 25.0 23.0 24.0	24.5 26.0 23.5 27.5 28.0 28.5 29.0 26.5	28.0 28.0 28.0 25.0 23.5 24.0 24.5 25.5	26.0 25.5 23.5 24.5 23.5 23.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	17.5 17.0 17.5 17.5 17.5 17.5 17.5 17.5	9.5 7.5 6.5 8.5 9.5 6.0	4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0 4.5	MAR 4.5 5.5 5.5 6.5 7.5 10.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5	MAY 15.0 18.0 21.0 19.5 19.5	JUN 22.0 20.5 24.0 25.0 24.0 24.0 24.0	24.5 26.0 23.5 27.5 28.0 28.5 29.0	28.0 28.0 28.0 25.0 23.5 24.0 24.5 25.5	26.0 25.5 23.5 24.5 23.5 23.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	17.5 17.0 17.5 17.5 17.5 17.5 17.5 17.6 17.7 17.8 17.9	9.5 7.5 6.5 7.5 6.5 8.5 9.5 6.0	4.5 2.0 3.0 4.5	WATER JAN 3.0	YEAR OCT DAILY INS FEB 2.0 3.0 4.5	FOBER 2003 STANTANE MAR 4.5 5.5 5.5 10.0 13.0 14.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5 16.0	EMBER 2004/JES MAY 15.0 18.0 21.0 19.5 19.5 21.5 21.5 21.5	JUN 22.0 20.5 24.0 25.0 24.0 24.0 24.0 24.0	24.5 26.0 23.5 27.5 28.0 28.5 29.0 26.5 26.0	28.0 28.0 28.0 25.0 23.5 24.0 24.5 25.5 26.5	26.0 25.5 23.5 24.5 23.5 23.0 21.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	17.5 17.10 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	9.5 7.5 8.5 9.5 6.0	2.0	WATER JAN 3.0	YEAR OCT DAILY INS FEB	FOBER 2003 STANTANE MAR 4.5 5.5 6.5 7.5 10.0 13.0 13.0	TO SEPTE OUS VALU APR 12.5 14.5 15.5 12.0 18.0 18.0 16.5 16.5 16.0	EMBER 2004/JES MAY 15.0 18.0 21.0 19.5 19.5 19.5 21.5	JUN 22.0 20.5 24.0 24.5 25.0 24.0 24.0 24.5	24.5 26.0 23.5 27.5 28.0 28.5 29.0 26.5	28.0 28.0 28.0 25.0 23.5 24.0 24.5 25.5 26.5	26.0 25.5 23.5 24.5 23.5 23.5 21.5

$06807000 \ MISSOURI \ RIVER \ AT \ NEBRASKA \ CITY, \ NE—Continued$

SUSPENDED-SEDIMENT WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Day	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)
	OCT	OBER	NOVE	MBER	DECE	MBER	JANU	JARY	FEBR	UARY	MA	ARCH
1	200	16,200	182	16,000	151	6,960	214	11,700	91	4,370	1,740	175,000
2	207	16,800	196	17,400	151	7,420	203	10,800	87	4,420	2,270	252,000
3	206	16,900	226	20,500	169	8,770	174	9,320	121	6,110	2,030	218,000
4	195	15,900	327	32,200	176	9,360	189	10,400	165	8,810	1,700	171,000
5	182	14,600	295	28,500	153	7,980	154	7,700	229	12,900	1,560	156,000
6	181	14,600	254	23,800	145	7,180	110	4,930	212	11,800	1,500	152,000
7	185	15,100	247	23,200	143	6,870	97	4,020	194	10,100	1,470	151,000
8	194	15,900	235	21,800	142	6,490	98	3,970	179	9,230	1,090	102,000
9	202	16,600	230	21,100	133	6,260	107	4,470	164	8,700	930	79,300
10	194	16,000	230	21,100	120	5,850	120	5,460	150	7,760	818	64,400
11	196	16,700	229	21,000	111	4,860	135	6,640	148	7,680	708	52,100
12	196	17,000	224	20,200	100	4,310	131	6,720	183	10,100	604	41,400
13	196	17,000	225	20,300	94	3,920	136	7,060	200	11,300	499	32,200
14	194	17,500	228	20,500	120	5,380	159	8,650	204	11,200	370	22,200
15	185	16,200	204	18,300	165	8,300	218	12,500	181	9,420	307	17,700
16	165	14,300	169	15,100	204	11,100	178	9,900	160	8,110	356	21,600
17	156	13,600	182	16,500	219	12,200	213	12,300	143	7,530	333	20,400
18	164	14,000	239	22,300	217	12,100	231	13,700	127	6,380	322	20,100
19	170	14,500	220	20,000	187	10,300	205	11,800	130	6,510	261	15,600
20	170	14,400	221	19,600	174	9,550	107	5,750	192	10,000	219	12,700
21	178	15,200	232	19,300	220	12,500	113	6,170	260	14,100	228	13,200
22	175	15,100	210	16,000	167	9,380	129	7,160	332	18,600	230	13,800
23	164	14,100	192	13,500	136	7,230	145	8,250	460	27,800	246	16,500
24	158	13,500	169	10,800	128	6,670	159	9,150	720	50,500	263	19,200
25	161	13,700	156	8,880	126	6,500	224	13,200	829	60,600	277	21,200
26 27 28 29 30 31	164 168 170 174 167 169	13,900 14,200 14,500 14,900 14,500 14,800	145 137 146 148 146	7,130 6,190 6,940 6,840 6,520	131 162 199 273 321 231	6,590 8,330 10,800 16,000 19,100 13,200	388 322 174 140 102 95	24,000 18,900 9,340 7,180 4,520 4,130	724 778 853 1,410	50,600 55,800 63,500 127,000	270 344 530 537 587 544	20,600 27,800 48,900 50,700 56,800 51,300
TOTAL		472,200		521,500		271,460		279,790		640,930		2,116,700

06807000 MISSOURI RIVER AT NEBRASKA CITY, NE—Continued

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

Day	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)	Mean concen- tration (mg/l)	Load (tons/ day)
	AP	RIL	M	IAY	Л	JNE	JŲ	JLY	AUC	GUST	SEPT	EMBER
1	464	42,100	242	20,000	988	130,000	261	27,700	302	27,500	179	14,200
2	361	30,800	252	20,600	1,060	142,000	235	24,800	216	19,300	181	14,100
3	276	22,400	273	22,600	947	122,000	479	54,600	247	22,200	121	9,430
4	229	18,000	286	24,900	1,000	133,000	533	61,600	1,220	128,000	106	8,340
5	216	16,600	300	27,200	928	119,000	821	103,000	999	98,100	106	8,450
6	202	15,200	246	22,100	755	94,000	723	88,900	465	42,800	257	21,500
7	204	15,600	247	22,300	753	95,400	671	81,600	346	31,400	249	20,200
8	191	14,700	222	20,100	701	88,800	690	84,300	256	22,900	216	17,400
9	188	14,600	222	20,200	470	58,100	889	114,000	226	20,200	163	12,800
10	202	15,900	231	21,400	462	55,700	1,170	155,000	202	18,100	141	11,100
11	182	14,200	310	30,800	494	58,500	1,330	186,000	185	16,300	173	13,700
12	177	14,200	332	32,700	647	78,700	1,220	162,000	194	17,000	194	15,600
13	182	14,800	254	24,400	1,650	239,000	1,010	127,000	211	18,600	248	20,000
14	225	18,300	332	32,200	1,360	177,000	929	114,000	180	15,700	178	14,300
15	233	18,700	296	28,300	1,220	155,000	826	95,600	171	14,900	116	9,460
16	222	17,600	270	24,400	928	116,000	861	100,000	199	17,100	182	16,100
17	221	17,400	334	31,400	707	87,400	793	91,000	227	19,400	435	42,800
18	265	21,300	316	29,900	1,210	182,000	558	60,400	196	16,700	714	76,400
19	244	19,400	242	22,200	1,390	206,000	402	41,600	194	16,300	679	72,400
20	259	20,800	345	33,700	1,030	142,000	296	29,900	204	17,200	464	47,100
21	281	23,000	361	35,200	873	119,000	233	22,900	202	16,800	488	50,100
22	206	16,900	254	23,900	994	136,000	414	46,200	149	12,000	775	85,600
23	204	17,100	1,720	275,000	886	117,000	598	61,800	125	9,950	678	71,400
24	210	17,900	3,360	670,000	766	95,800	462	45,100	142	11,300	618	64,200
25	239	21,300	4,250	919,000	745	90,700	396	37,600	260	21,600	639	67,100
26 27 28 29 30 31 TOTAL	198 244 217 248 227	17,800 22,100 19,100 21,600 18,900	3,240 2,250 1,330 1,070 1,210 972	629,000 375,000 195,000 150,000 175,000 126,000 4,084,500	614 528 418 336 291	72,100 60,600 46,500 36,500 31,400 	324 288 286 292 276 297	30,300 26,300 25,900 26,500 25,200 27,300 2,178,100	313 168 121 135 217 176	26,800 13,800 9,730 10,800 17,300 13,900 763,680	786 643 567 526 477	88,300 71,200 59,800 53,100 46,900
101/11		570,500		1,004,500		5,205,200		2,170,100		,05,000		1,123,000

YEAR 16,315,440

06807000 MISSOURI RIVER AT NEBRASKA CITY, NE—Continued

