

05421000 WAPSIPINICON RIVER AT INDEPENDENCE, IA

LOCATION.--Lat 42°27'49", long 91°53'42", in SE $\frac{1}{4}$ sec.4, T.88 N., R.9 W., Buchanan County, Hydrologic Unit 07080102, on right bank at Sixth Street in Independence, 1,800 ft downstream from dam at abandoned hydroelectric plant, 4.9 mi downstream from Otter Creek, 9.7 mi upstream from Pine Creek, and at mile 142.5.

DRAINAGE AREA.--1,048 mi².

PERIOD OF RECORD.--July 1933 to current year.

REVISED RECORDS.--WSP 1438: Drainage area. WSP 1508: 1938-39, 1940 (M), 1947.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 882.85 ft above NGVD of 1929. Prior to May 24, 1941 nonrecording gage in tailrace of powerplant 1,800 ft upstream at datum 80.00 ft lower.

REMARKS.--Records 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1901, that of May 18, 1999.

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	51	58	125	114	48	516	1,800	517	7,390	694	362	328
2	46	79	112	129	52	629	1,450	471	5,710	631	371	306
3	47	139	112	124	50	682	1,180	427	5,270	587	410	277
4	46	542	117	89	45	659	998	399	4,770	600	578	243
5	46	524	126	85	46	1,250	867	366	3,880	753	570	207
6	45	353	120	105	49	2,100	782	355	3,100	1,580	485	212
7	47	259	125	94	47	1,810	707	326	2,440	2,070	417	191
8	49	201	135	87	45	1,640	641	324	1,920	2,120	380	184
9	49	168	139	90	45	1,490	573	316	1,590	2,280	361	207
10	48	158	149	89	48	1,320	525	335	1,590	2,600	323	211
11	51	165	94	86	48	1,120	473	334	2,460	2,680	301	205
12	51	162	104	85	48	811	443	333	2,530	2,270	294	180
13	52	127	111	87	48	679	420	1,120	2,330	2,130	350	160
14	65	124	115	87	48	634	394	2,380	2,150	2,480	359	146
15	57	126	120	84	48	559	368	1,700	2,030	2,810	321	138
16	56	125	122	82	48	544	361	1,450	2,660	3,220	323	130
17	54	117	104	86	48	509	366	1,310	5,770	3,230	193	125
18	56	152	106	78	48	516	350	1,310	4,200	2,700	193	136
19	55	153	102	71	49	543	347	1,310	3,030	1,930	243	189
20	59	154	92	70	81	606	343	1,150	2,450	1,240	226	282
21	57	147	100	68	163	546	406	1,030	2,030	959	207	382
22	56	147	105	65	240	508	454	2,520	1,900	831	196	466
23	59	175	108	59	303	480	526	17,300	1,780	765	185	417
24	57	153	97	57	369	546	550	21,100	1,630	776	179	322
25	61	132	99	55	321	614	580	20,300	1,490	717	175	263
26	58	137	104	55	273	962	572	17,200	1,250	641	174	235
27	60	139	109	54	318	1,710	538	11,600	1,080	557	339	215
28	68	139	129	54	373	2,080	531	7,920	971	487	623	191
29	57	110	130	54	434	2,340	547	6,270	862	445	520	171
30	60	126	118	51	---	2,320	543	7,460	769	421	422	157
31	64	---	125	50	---	2,110	---	8,570	---	393	363	---
TOTAL	1,687	5,291	3,554	2,444	3,783	32,833	18,635	137,503	81,032	45,597	10,443	6,876
MEAN	54.4	176	115	78.8	130	1,059	621	4,436	2,701	1,471	337	229
MAX	68	542	149	129	434	2,340	1,800	21,100	7,390	3,230	623	466
MIN	45	58	92	50	45	480	343	316	769	393	174	125
AC-FT	3,350	10,490	7,050	4,850	7,500	65,120	36,960	272,700	160,700	90,440	20,710	13,640
CFSM	0.05	0.17	0.11	0.08	0.12	1.01	0.59	4.23	2.58	1.40	0.32	0.22
IN.	0.06	0.19	0.13	0.09	0.13	1.17	0.66	4.88	2.88	1.62	0.37	0.24

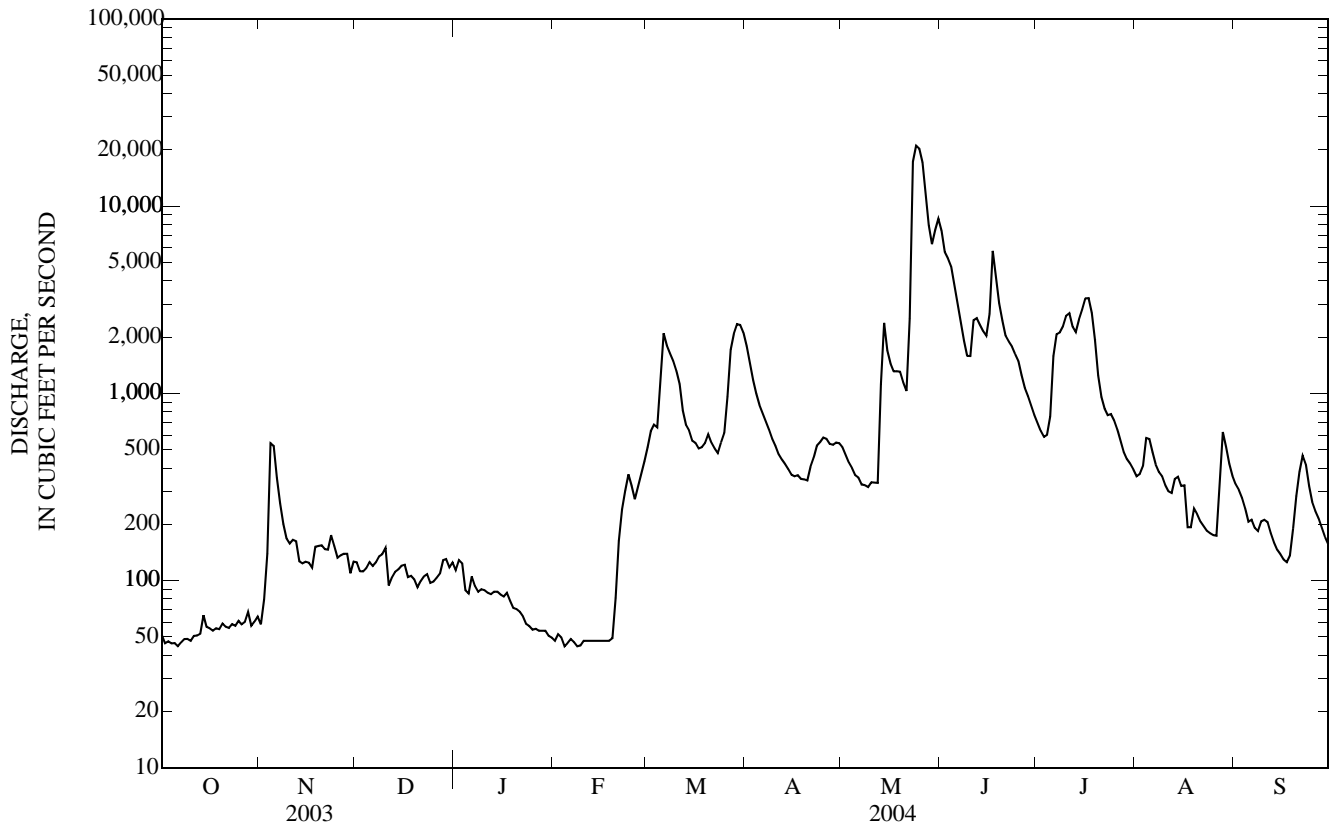
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2004, BY WATER YEAR (WY)

MEAN	382	435	296	218	349	1,387	1,353	1,057	1,039	746	538	360
MAX	2,306	2,280	1,962	1,411	1,698	3,201	5,578	4,436	4,721	4,836	5,443	1,940
(WY)	(1973)	(1992)	(1992)	(1946)	(1984)	(1986)	(1993)	(2004)	(1947)	(1993)	(1993)	(1981)
MIN	29.3	42.2	26.9	12.6	19.0	68.4	198	45.3	12.4	18.9	21.5	20.5
(WY)	(1989)	(1977)	(1977)	(1977)	(1956)	(1934)	(1957)	(1934)	(1934)	(1936)	(1934)	(1976)

05421000 WAPSIPINICON RIVER AT INDEPENDENCE, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1934 - 2004	
ANNUAL TOTAL	152,004		349,678		681	
ANNUAL MEAN	416		955		74.5	
HIGHEST ANNUAL MEAN					2,304	1993
LOWEST ANNUAL MEAN					74.5	1934
HIGHEST DAILY MEAN	4,920	May 16	21,100	May 24	28,000	May 18, 1999
LOWEST DAILY MEAN	33	Feb 6	45	Oct 6 a	7.0	Oct 1, 1933 b
ANNUAL SEVEN-DAY MINIMUM	34	Feb 5	46	Feb 4	7.1	Jan 24, 1977
MAXIMUM PEAK FLOW			22,600	May 23	31,100	May 18, 1999
MAXIMUM PEAK STAGE			18.00	May 23	22.35	May 18, 1999
ANNUAL RUNOFF (AC-FT)	301,500		693,600		493,500	
ANNUAL RUNOFF (CFSM)	0.397		0.912		0.650	
ANNUAL RUNOFF (INCHES)	5.40		12.41		8.83	
10 PERCENT EXCEEDS	1,010		2,270		1,680	
50 PERCENT EXCEEDS	124		320		273	
90 PERCENT EXCEEDS	40		54		53	

a Also Feb. 4, 8, & 9.
 b Many days in 1934 when power plant shut down; Jan. 25-30, 1977.

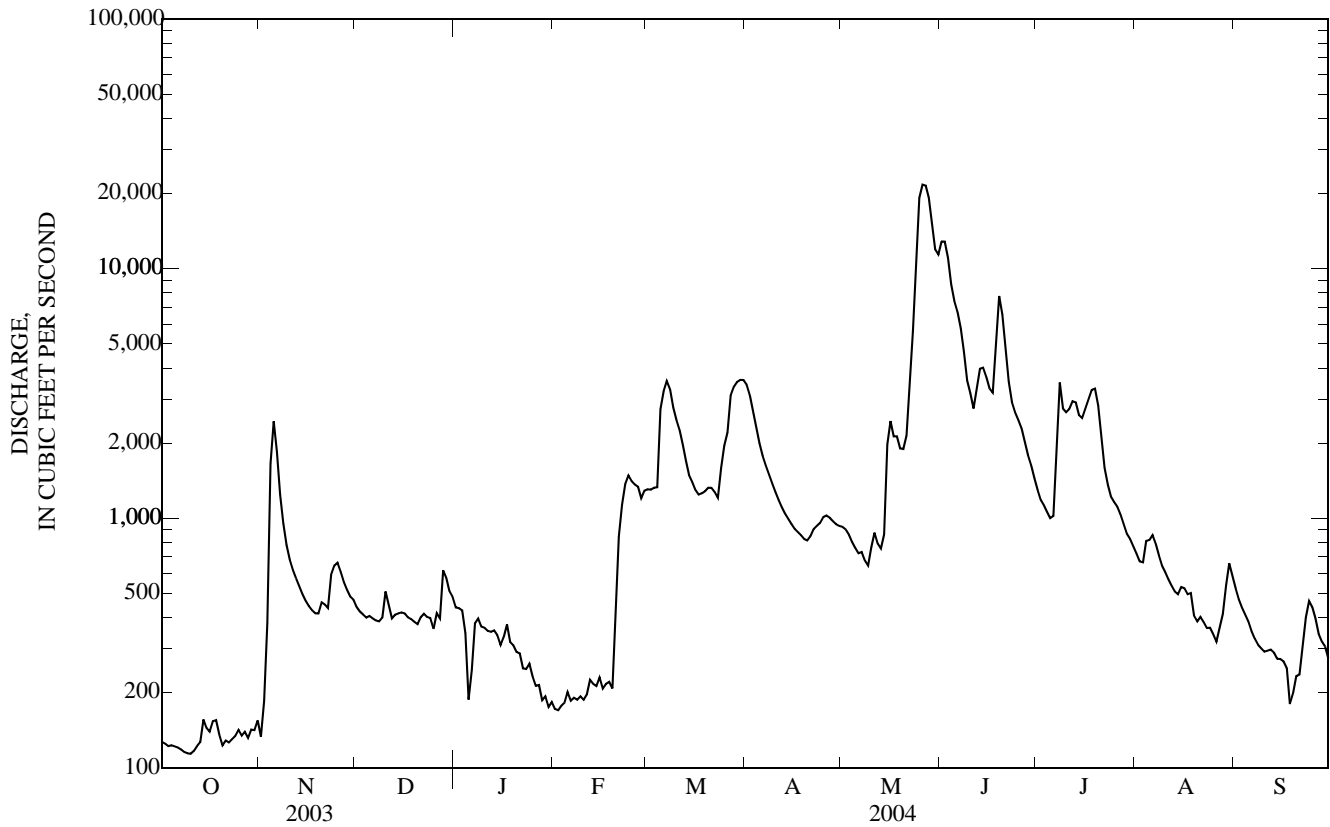


05421740 WAPSIPINICON RIVER AT ANAMOSA, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	270,374		566,880			
ANNUAL MEAN	741		1,549		1,126	
HIGHEST ANNUAL MEAN					1,549	2004
LOWEST ANNUAL MEAN					702	2003
HIGHEST DAILY MEAN	6,800	May 17	21,700	May 26	21,700	May 26, 2004
LOWEST DAILY MEAN	73	Feb 17	114	Oct 9	73	Feb 17, 2003
ANNUAL SEVEN-DAY MINIMUM	75	Feb 16	117	Oct 5	75	Feb 16, 2003
MAXIMUM PEAK FLOW			22,000	May 26	22,000	May 26, 2004
MAXIMUM PEAK STAGE			22.73	May 26	22.73	May 26, 2004
ANNUAL RUNOFF (AC-FT)	536,300		1,124,000		815,800	
ANNUAL RUNOFF (CFSM)	0.470		0.983		0.715	
ANNUAL RUNOFF (INCHES)	6.39		13.39		9.71	
10 PERCENT EXCEEDS	1,840		3,300		2,750	
50 PERCENT EXCEEDS	351		614		398	
90 PERCENT EXCEEDS	95		179		127	

a Also Oct 20.

e Estimated.



05422000 WAPSIPINICON RIVER NEAR DE WITT, IA

LOCATION.--Lat 41°46'01", long 90°32'05", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.6, T.80 N., R.4 E., Clinton County, Hydrologic Unit 07080103, on left bank 5 ft upstream from bridge on Highway 956, 0.9 mi downstream from Silver Creek, 4.0 mi south of water tower in De Witt, 6.2 mi upstream from Brophy Creek, and 18.2 mi upstream from mouth.

DRAINAGE AREA.--2,330 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1934 to current year.

REVISED RECORDS.--WSP 1308: 1937 (M). WSP 1438: Drainage area. WSP 1708: 1951.

GAGE.--Water-stage recorder. Datum of gage is 598.81 ft above NGVD of 1929.

REMARKS.--Records 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	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	265	717	827	e324	1,770	4,780	1,580	23,400	2,720	1,190	881
2	277	300	694	787	e331	1,760	4,600	1,520	17,900	2,460	1,110	822
3	274	402	672	762	e316	1,750	4,290	1,510	15,800	2,280	1,070	777
4	260	534	649	757	e334	1,760	3,860	1,500	15,300	2,390	1,140	735
5	257	650	653	e573	e348	3,920	3,410	1,430	15,300	2,370	1,200	692
6	254	1,600	640	e466	e360	5,590	3,060	1,370	13,700	2,170	1,180	666
7	255	2,040	626	e540	e371	4,830	2,780	1,370	11,600	2,200	1,150	648
8	253	1,610	611	e579	e339	4,670	2,520	1,410	10,500	2,160	1,140	623
9	248	1,300	619	e562	e357	4,570	2,340	1,360	9,490	3,510	1,040	594
10	247	1,100	e790	e554	e362	3,870	2,200	1,310	8,240	3,840	961	580
11	245	981	e740	e532	e390	3,370	2,050	1,290	6,450	3,430	933	567
12	245	888	e709	e522	e373	2,980	1,940	1,500	5,810	3,380	903	546
13	244	821	e677	e523	e336	2,730	1,850	1,560	5,140	3,480	859	531
14	263	772	e641	e537	e302	2,500	1,770	1,480	5,220	3,560	825	495
15	260	735	e646	e514	e313	2,250	1,680	1,400	5,670	3,330	798	461
16	276	704	e655	e463	e307	2,080	1,640	1,600	5,710	3,090	775	448
17	264	676	e676	e494	e256	1,960	1,600	2,540	6,140	3,660	784	515
18	253	652	e613	e584	e268	1,950	1,540	3,330	6,470	3,580	771	457
19	252	632	e581	e491	e390	2,040	1,510	3,770	6,370	3,660	738	403
20	258	615	e576	e462	e646	2,070	1,500	3,250	6,110	3,830	722	374
21	261	605	e573	e446	e960	1,990	1,690	3,240	6,940	3,650	681	346
22	254	628	e594	e417	e1,330	1,930	1,810	4,750	8,280	3,080	650	361
23	251	644	e583	e372	e1,480	1,890	1,720	7,280	9,780	2,470	652	368
24	252	794	e574	e366	e1,660	2,150	1,720	8,480	9,230	2,060	653	402
25	256	986	e567	e383	e1,710	2,990	1,730	9,080	5,970	1,820	671	474
26	264	940	e506	e368	e1,790	4,050	1,730	8,950	4,730	1,640	669	536
27	268	896	e653	e366	e1,850	4,930	1,710	9,210	4,150	1,540	707	552
28	268	840	e763	e352	e1,890	4,720	1,700	19,200	3,810	1,450	802	506
29	264	787	813	e348	1,740	5,010	1,660	29,100	3,410	1,350	861	472
30	273	749	950	e321	---	4,980	1,600	30,100	3,020	1,320	926	460
31	263	---	888	e320	---	4,880	---	28,900	---	1,310	884	---
TOTAL	8,039	25,146	20,649	15,588	21,433	97,940	67,990	194,370	259,640	82,790	27,445	16,292
MEAN	259	838	666	503	739	3,159	2,266	6,270	8,655	2,671	885	543
MAX	280	2,040	950	827	1,890	5,590	4,780	30,100	23,400	3,840	1,200	881
MIN	244	265	506	320	256	1,750	1,500	1,290	3,020	1,310	650	346
AC-FT	15,950	49,880	40,960	30,920	42,510	194,300	134,900	385,500	515,000	164,200	54,440	32,320
CFSM	0.11	0.36	0.29	0.22	0.32	1.35	0.97	2.68	3.70	1.14	0.38	0.23
IN.	0.13	0.40	0.33	0.25	0.34	1.56	1.08	3.10	4.13	1.32	0.44	0.26

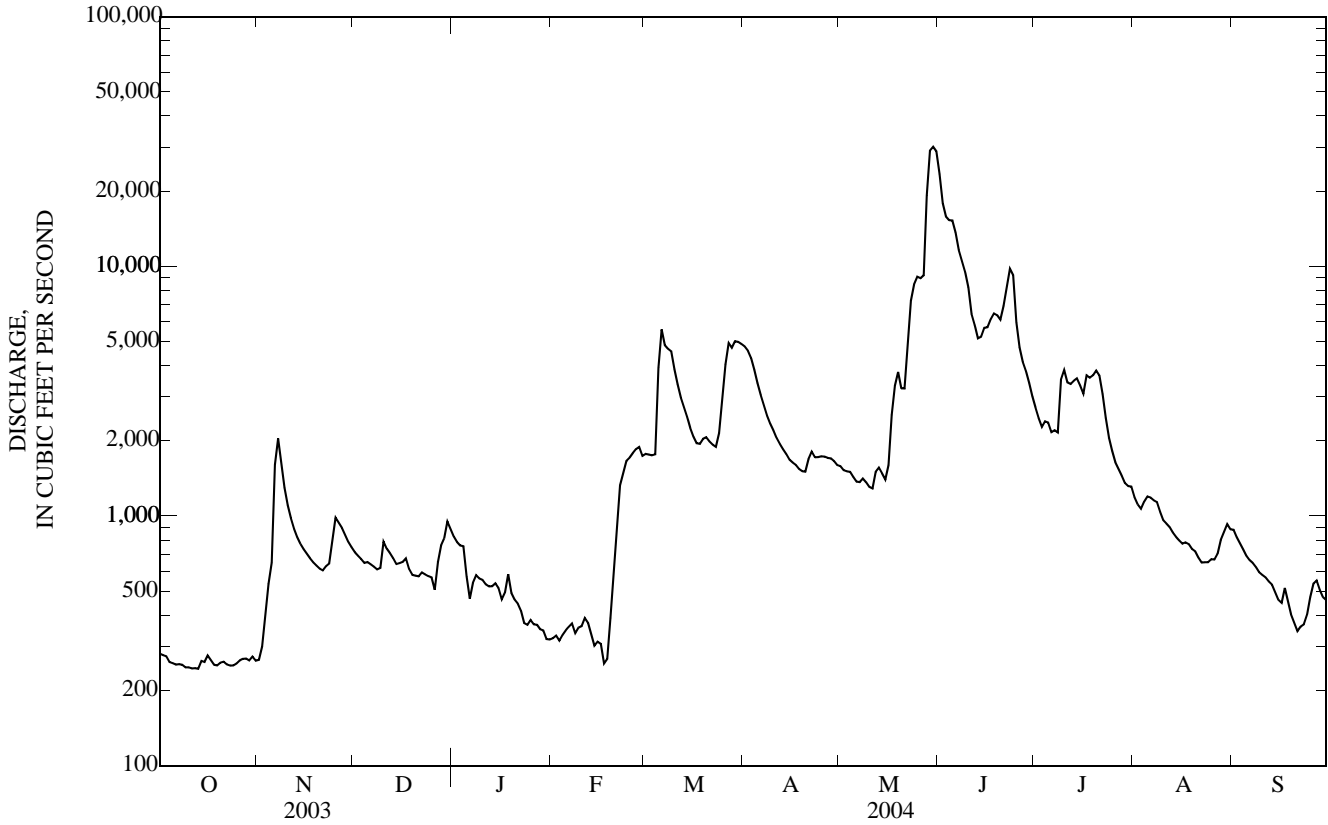
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	918	1,104	902	812	1,248	2,942	2,998	2,501	2,580	1,805	1,141	1,007
MAX	3,549	6,435	4,945	4,086	3,798	7,137	9,768	6,854	10,950	14,280	8,550	5,647
(WY)	(1973)	(1962)	(1983)	(1946)	(1984)	(1986)	(1993)	(1999)	(1947)	(1993)	(1993)	(1993)
MIN	137	159	104	59.4	104	301	453	323	234	165	103	133
(WY)	(1977)	(1965)	(1977)	(1977)	(1940)	(1954)	(1977)	(1977)	(1977)	(1936)	(1936)	(1976)

05422000 WAPSIPINICON RIVER NEAR DE WITT, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	388,299		837,322			
ANNUAL MEAN	1,064		2,288		1,663	
HIGHEST ANNUAL MEAN					5,461	1993
LOWEST ANNUAL MEAN					374	1989
HIGHEST DAILY MEAN	7,160	May 20	30,100	May 30	30,100	May 30, 2004
LOWEST DAILY MEAN	244	Oct 13	244	Oct 13	46	Jan 22, 1977
ANNUAL SEVEN-DAY MINIMUM	248	Oct 7	248	Oct 7	47	Jan 18, 1977
MAXIMUM PEAK FLOW			31,500	May 30	31,500	May 30, 2004
MAXIMUM PEAK STAGE			13.79	May 30	14.19	Jun 17, 1990
ANNUAL RUNOFF (AC-FT)	770,200		1,661,000		1,205,000	
ANNUAL RUNOFF (CFSM)	0.455		0.979		0.712	
ANNUAL RUNOFF (INCHES)	6.18		13.33		9.67	
10 PERCENT EXCEEDS	2,270		4,990		3,950	
50 PERCENT EXCEEDS	653		914		918	
90 PERCENT EXCEEDS	279		306		239	

e Estimated



(Large River Mass Contaminants 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)	Turbidity, wat unflab, Hach 2100AN NTU (99872)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfl uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)
MAR 17...	0830	1,990	225	26	740	12.7	97	8.1	442	2.9	146	178	--
APR 15...	0830	1,680	235	23	745	11.6	111	8.4	408	12.2	136	166	--
MAY 18...	1200	3,290	205	170	--	7.9	--	7.9	374	18.8	109	133	--
MAY 25...	1400	9,150	260	170	--	7.1	--	7.5	373	18.1	97	119	--
JUN 16...	1230	5,680	--	110	749	6.8	82	7.7	475	23.5	131	147	6
JUL 20...	1200	3,850	235	64	--	8.0	--	8.1	347	25.2	112	137	--
AUG 17...	0745	784	210	30	--	8.3	--	8.3	373	20.5	124	151	--
SEP 14...	0730	507	210	25	744	6.9	81	8.1	362	22.2	131	159	--

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

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)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat flt by analysis, mg/L (62854)	Total nitrogen, wat unfl by analysis, mg/L (62855)	Total carbon, suspnd sedimnt total, mg/L (00694)
MAR 17...	21.8	10.2	27.3	.12	8.20	.016	.19	.079	.098	.119	8.54	9.10	1.5
APR 15...	25.1	E.1	28.0	<.04	7.21	.016	1.16	<.006	.011	.191	7.29	8.55	7.7
MAY 18...	19.5	7.0	14.3	E.04	10.2	.072	1.01	.046	.064	.46	10.1	11.3	11.1
MAY 25...	15.5	10.4	15.4	.05	9.96	.089	.90	.131	.147	.55	9.93	11.1	7.9
JUN 16...	20.2	11.2	17.0	<.04	12.2	.042	.68	.107	.119	.41	13.3	14.0	6.0
JUL 20...	15.9	11.4	15.6	<.04	7.07	.009	1.20	.084	.104	.30	7.50	8.59	6.7
AUG 17...	19.6	2.6	27.3	<.04	1.78	.014	1.13	E.003	.014	.21	1.95	3.34	8.6
SEP 14...	19.1	4.0	25.9	<.04	.56	.010	.61	<.006	.009	.178	.79	1.94	4.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—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)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF (82686)	Benfluralin, water, fltrd 0.7u GF (82673)
MAR 17...	<.1	1.5	4.6	2.9	3.2	<.006	E.050	.023	.007	<.005	.078	<.050	<.010
APR 15...	<.1	7.7	2.4	38.9	116	<.006	E.054	.012	<.005	<.005	.069	<.050	<.010
MAY 18...	2.5	8.6	4.1	30.4	32.7	<.006	E.265	3.42	.019	<.005	9.51	<.050	<.010
MAY 25...	<.1	7.8	5.0	2.6	1.7	<.006	E.418	3.22	.149	<.005	8.58	<.050	<.010
JUN 16...	.1	5.8	3.7	7.0	8.1	<.006	E.228	.219	.007	<.005	2.52	<.050	<.010
JUL 20...	<.1	6.7	4.2	7.5	14.7	<.006	E.165	.029	<.005	<.005	.517	<.050	<.010
AUG 17...	.3	8.4	2.5	43.5	133	<.006	E.073	.015	<.005	<.005	.247	<.050	<.010
SEP 14...	.3	4.0	2.5	77.9	92.8	<.006	E.068	.011	<.005	<.005	.173	<.050	<.010

05422000 WAPSIPINICON RIVER NEAR DE WITT, IA—Continued

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

Date	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipron- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)
MAR 17...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
APR 15...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
MAY 18...	<.004	<.041	<.020	E.008	<.006	E.015	<.003	<.012	<.005	<.009	<.02	<.004	<.009
MAY 25...	<.004	<.041	E.026	.010	<.006	E.017	.003	<.012	<.005	<.009	<.02	E.004	<.009
JUN 16...	<.004	<.041	E.516	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
JUL 20...	<.004	<.041	E.031	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
AUG 17...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009
SEP 14...	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.012	<.005	<.009	<.02	<.004	<.009

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

Date	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Desulf- inyl- fipron- nil amide, wat flt ug/L (62169)	Fipron- nil sulfide water, fltrd, ug/L (62167)	Fipron- nil sulfone water, fltrd, ug/L (62168)	Fipron- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)
MAR 17...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.102	<.006	<.003
APR 15...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.042	<.006	<.003
MAY 18...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	1.64	<.006	<.003
MAY 25...	<.005	<.029	<.013	<.024	E.016	<.003	<.004	<.035	<.027	<.015	2.38	.025	<.004
JUN 16...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.310	<.010	<.003
JUL 20...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.063	<.006	<.003
AUG 17...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.048	<.006	<.003
SEP 14...	<.005	<.029	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	.039	<.006	<.003

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

Date	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, 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 17...	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02
APR 15...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.006	<.02
MAY 18...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.063	<.02
MAY 25...	<.007	<.010	<.010	<.004	E.014	<.011	.01	<.004	<.025	<.011	<.02	.059	E.01
JUN 16...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.017	<.02
JUL 20...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.010	<.02
AUG 17...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.008	<.02
SEP 14...	<.007	<.003	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.010	<.02

WAPSIPINICON RIVER BASIN

05422000 WAPSIPINICON RIVER NEAR DE WITT, IA—Continued

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

Date	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)	Thio- bencarb water fltrd 0.7u GF (82681)	Tri- allate, water, fltrd 0.7u GF (82678)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Sus- pended sedi- ment concen- tration mg/L (80154)	Number of sam- pling points, count (00063)
MAR 17...	<.034	<.02	<.010	<.002	<.009	59	11
APR 15...	<.034	<.02	<.010	<.002	<.009	82	12
MAY 18...	<.034	<.02	<.010	<.002	<.009	594	10
25...	<.034	<.02	<.010	<.002	<.009	460	12
JUN 16...	<.034	<.02	<.010	<.002	<.009	426	10
JUL 20...	<.034	<.02	<.010	<.002	<.009	151	10
AUG 17...	<.034	<.02	<.010	<.002	<.009	130	10
SEP 14...	<.034	<.02	<.010	<.002	<.009	64	11

05422470 CROW CREEK AT BETTENDORF, IA

LOCATION.--(revised) Lat 41°33'04", long 90°27'18", in NW¼ NW¼ sec.24, T.78 N., R.4 E., Scott County, Hydrologic Unit 07080101, on left bank 200 ft upstream from bridge on Valley Road (old U.S. Highway 67), 3.5 mi east of U.S. Highway 6, and 0.7 mi upstream from mouth.

DRAINAGE AREA.--17.8 mi².

PERIOD OF RECORD.--October 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 576.23 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. U.S. Geological Survey data collection platform with satellite telemetry at station.

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	0.90	1.5	1.3	2.7	e1.6	2.9	29	11	50	7.5	2.3	2.4
2	0.98	7.6	1.3	2.9	e1.9	2.3	25	9.5	62	7.3	2.2	2.1
3	1.2	18	1.3	2.9	e1.4	1.5	23	8.4	55	9.7	5.4	1.9
4	1.2	11	1.6	3.1	e0.91	19	20	8.2	35	10	22	1.7
5	1.0	5.3	2.8	e2.3	e0.84	71	18	8.0	30	12	5.5	1.5
6	0.91	2.9	3.4	e1.8	e0.73	33	17	7.0	27	17	3.7	1.2
7	0.67	2.2	2.1	e1.3	e0.51	24	16	42	23	8.6	3.0	1.3
8	0.96	1.8	1.9	e0.68	e0.41	19	15	18	20	7.4	2.6	1.1
9	1.1	1.6	9.9	e0.54	e0.44	17	14	20	18	9.3	2.2	1.1
10	1.3	1.6	92	e0.50	e0.44	16	13	15	54	29	2.2	0.98
11	1.3	1.9	17	0.77	e0.42	15	12	e16	49	11	2.2	1.0
12	3.2	1.7	e9.8	1.4	e0.41	12	12	e14	22	8.9	1.9	0.94
13	1.6	1.5	e2.4	0.82	e0.40	9.1	12	43	19	7.7	1.7	0.89
14	7.4	1.5	e1.4	0.67	e0.50	11	11	45	45	6.6	1.7	0.93
15	3.1	1.8	1.8	0.56	e0.56	9.6	11	33	24	5.9	1.5	12
16	5.8	1.9	7.2	0.58	e0.56	11	9.9	28	19	5.7	1.5	6.5
17	3.0	2.4	e5.3	2.4	e0.60	13	11	28	17	6.5	2.0	2.8
18	1.6	6.5	e3.4	e1.5	e0.98	15	11	168	15	4.9	2.4	2.1
19	1.3	3.1	e2.9	e1.1	e2.4	13	12	73	14	4.4	2.2	1.7
20	1.3	2.1	e3.1	e1.3	e22	12	18	63	13	4.1	1.5	1.5
21	1.6	1.7	4.0	e1.4	15	9.9	37	78	20	3.9	1.3	0.90
22	1.6	1.6	6.0	e1.0	15	9.5	16	209	16	17	1.2	1.2
23	1.7	4.8	4.4	e1.5	12	9.6	14	110	12	9.2	1.1	0.96
24	2.0	3.5	5.6	e1.1	6.3	24	14	72	12	5.0	16	1.0
25	2.9	2.2	3.0	e1.1	4.6	19	16	76	11	4.5	11	1.2
26	2.8	1.8	2.8	e1.4	3.8	85	12	60	9.4	4.1	6.0	1.2
27	2.5	1.7	3.2	e0.95	3.0	53	11	53	9.1	3.6	5.6	1.3
28	2.7	1.5	4.1	e0.90	2.4	55	10	47	10	3.2	43	1.1
29	2.8	1.4	3.9	e0.89	2.3	48	9.6	43	9.0	2.8	12	1.3
30	2.3	1.4	3.1	e0.88	---	35	9.5	259	8.1	2.8	4.6	1.2
31	1.6	---	2.9	e0.96	---	37	---	83	---	2.6	3.0	---
TOTAL	64.32	99.5	214.9	41.90	102.41	711.4	459.0	1,748.1	727.6	242.2	174.5	57.00
MEAN	2.07	3.32	6.93	1.35	3.53	22.9	15.3	56.4	24.3	7.81	5.63	1.90
MAX	7.4	18	92	3.1	22	85	37	259	62	29	43	12
MIN	0.67	1.4	1.3	0.50	0.40	1.5	9.5	7.0	8.1	2.6	1.1	0.89
AC-FT	128	197	426	83	203	1,410	910	3,470	1,440	480	346	113
CFSM	0.12	0.19	0.39	0.08	0.20	1.29	0.86	3.17	1.36	0.44	0.32	0.11
IN.	0.13	0.21	0.45	0.09	0.21	1.49	0.96	3.65	1.52	0.51	0.36	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

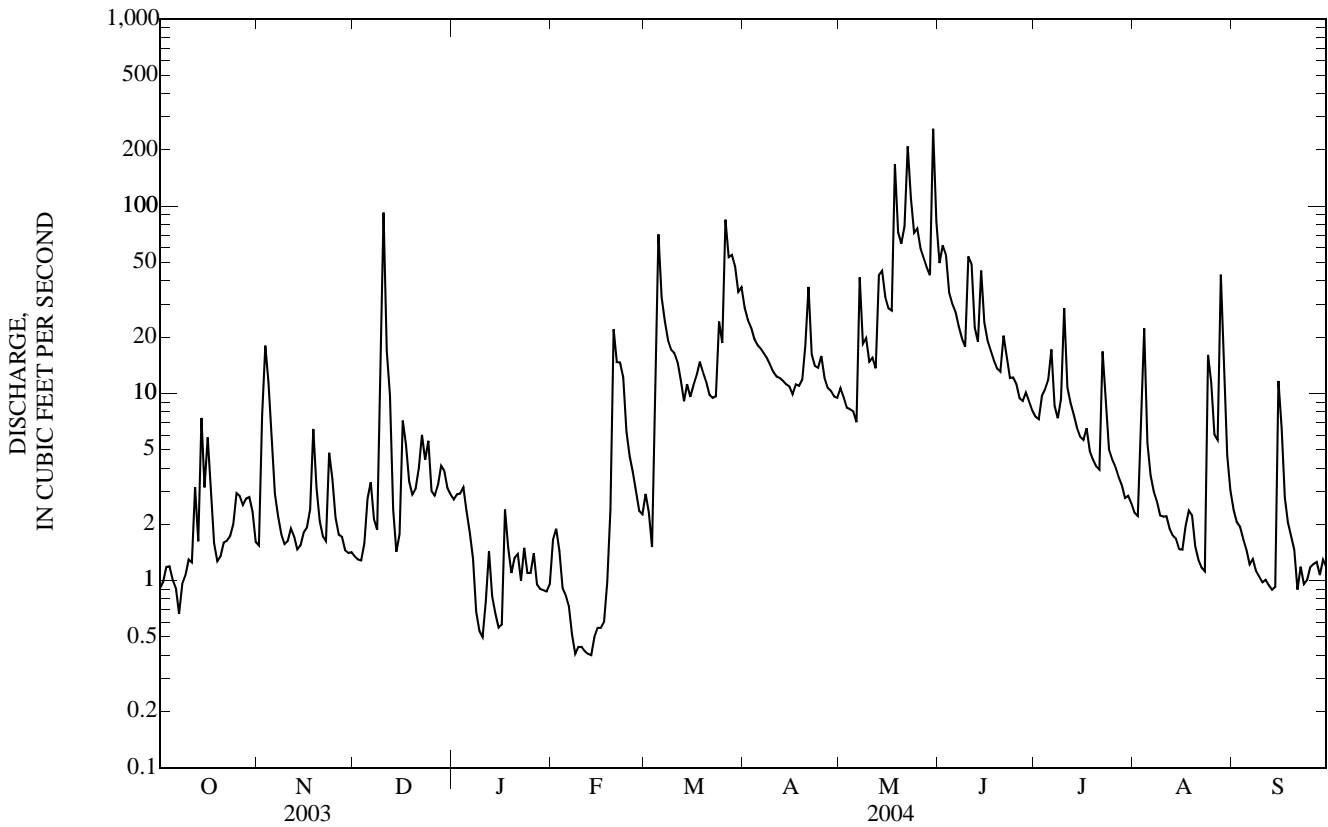
MEAN	9.93	10.8	11.1	7.08	13.2	20.9	20.9	26.0	27.6	14.1	13.9	6.74
MAX	50.9	45.4	44.1	25.0	42.1	54.6	61.3	111	157	65.4	99.8	34.7
(WY)	(1982)	(1993)	(1983)	(1988)	(1985)	(1979)	(1983)	(1996)	(1990)	(1992)	(1990)	(1992)
MIN	0.67	1.19	0.77	1.09	0.76	3.45	2.33	1.68	3.17	0.74	0.85	0.49
(WY)	(1989)	(1990)	(1990)	(2000)	(1989)	(1989)	(1989)	(1989)	(1988)	(1988)	(1978)	(1988)

05422470 CROW CREEK AT BETTENDORF, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	2,143.95		4,642.83		15.2	
ANNUAL MEAN	5.87		12.7		31.7	
HIGHEST ANNUAL MEAN					1990	
LOWEST ANNUAL MEAN					1989	
HIGHEST DAILY MEAN	127	Jul 10	259	May 30	1,660	Jun 16, 1990
LOWEST DAILY MEAN	0.28	Sep 11	0.40	Feb 13 a	0.13	Aug 16, 1988
ANNUAL SEVEN-DAY MINIMUM	0.33	Sep 5	0.43	Feb 8 a	0.21	Aug 13, 1988
MAXIMUM PEAK FLOW			1,180	May 30	7,700	Jun 16, 1990
MAXIMUM PEAK STAGE			6.95	May 30	11.03	Jun 16, 1990
ANNUAL RUNOFF (AC-FT)	4,250		9,210		11,000	
ANNUAL RUNOFF (CFSM)	0.330		0.713		0.853	
ANNUAL RUNOFF (INCHES)	4.48		9.70		11.59	
10 PERCENT EXCEEDS	10		31		32	
50 PERCENT EXCEEDS	2.8		3.8		7.0	
90 PERCENT EXCEEDS	1.1		0.97		1.3	

a Ice affected.

e Estimated.



05422560 DUCK CREEK AT 110th AVENUE, DAVENPORT, IA

LOCATION.--Lat 41°33'24", long 90°41'15", in NW¹/₄ SW¹/₄, sec.13, T.78 N., R.2 E., Scott County, Hydrologic Unit 07080101, on left bank 20 ft. downstream from the bridge on County Road Y48 (110th Street), 0.3 miles downstream from unnamed creek, 3 miles west of Davenport, and 13.95 miles from the mouth.

DRAINAGE AREA.--16.1 mi².

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water stage recorder. Datum of gage is 659.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharge, which is poor. U.S. Geological Survey rain gage and data collection platform with telephone modem telemetry at station. Precipitation records are not published, but are available.

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	0.21	0.14	0.56	1.6	e0.66	6.8	21	6.7	76	8.3	4.6	2.6
2	0.16	0.35	0.52	1.6	e0.98	5.3	19	6.5	68	12	4.5	2.2
3	0.20	0.79	0.57	1.5	e0.97	4.4	17	6.2	51	e15	4.6	2.0
4	0.23	0.71	0.59	1.7	e0.71	11	15	6.2	41	9.9	6.6	1.9
5	0.22	0.29	0.77	e1.7	e0.72	75	14	5.8	35	8.7	4.6	1.9
6	0.22	0.16	0.79	e1.4	e0.79	33	13	5.7	30	10	4.1	1.8
7	0.21	0.12	0.74	e1.2	e0.75	23	12	32	27	8.2	3.9	1.7
8	0.19	0.08	0.77	e1.1	e0.77	18	11	22	23	7.5	3.7	1.6
9	0.22	0.10	1.3	e1.1	e0.82	15	10	16	20	8.5	3.5	1.6
10	0.29	0.10	16	e1.3	e0.77	13	9.8	17	44	9.3	3.3	1.5
11	0.33	0.11	e3.8	e1.8	e0.71	11	9.6	17	42	7.8	3.3	1.4
12	0.42	0.16	e2.1	e1.9	e0.67	14	9.2	14	26	7.3	3.1	1.4
13	0.34	0.24	e1.3	e1.6	e0.64	9.8	8.9	24	22	6.7	3.0	1.4
14	0.68	0.29	e1.00	e1.1	e0.63	10	8.5	20	114	6.2	2.8	1.3
15	0.35	0.32	2.7	e0.98	e0.60	8.9	8.3	17	34	5.9	2.7	1.5
16	0.43	0.32	2.9	e1.6	e0.60	9.2	8.0	16	26	7.1	2.7	1.6
17	0.32	0.33	e2.0	e2.4	e0.91	10	7.7	17	23	6.5	2.7	1.4
18	0.25	0.41	e1.2	e1.6	e1.3	13	7.5	138	19	5.7	2.7	1.3
19	0.24	0.31	e1.2	e1.1	e2.4	13	7.1	44	17	5.3	2.7	1.2
20	0.27	0.24	e1.7	e1.4	e1.9	12	8.1	38	16	5.1	2.4	1.2
21	0.23	0.21	e2.0	e1.7	e8.6	10	10	50	16	4.8	2.3	1.2
22	0.22	1.4	e2.1	e1.5	e15	10	8.1	173	14	48	e2.1	1.1
23	0.22	1.0	e1.7	e1.2	e12	10	7.6	72	13	16	2.1	1.1
24	0.22	0.60	e1.3	e1.1	e9.9	11	7.8	40	12	10	3.5	1.2
25	0.23	0.57	e1.2	e1.1	e8.0	9.8	8.7	47	12	8.7	3.0	1.1
26	0.19	0.57	e1.3	e1.1	e6.9	62	7.3	31	11	7.5	2.7	1.1
27	0.20	0.61	e1.5	e0.95	e6.1	47	7.1	25	10	6.7	2.4	1.1
28	0.17	0.55	2.5	e0.77	5.8	37	7.4	21	10	6.1	5.9	1.2
29	0.16	0.69	1.9	e0.60	6.0	34	6.6	18	9.4	5.6	4.4	1.1
30	0.17	0.65	1.9	e0.60	---	28	6.7	435	8.6	5.3	2.9	1.2
31	0.16	---	1.6	e0.59	---	25	---	196	---	4.9	4.0	---
TOTAL	7.95	12.42	61.51	40.89	113.70	599.2	302.0	1,577.1	870.0	284.6	106.8	43.9
MEAN	0.26	0.41	1.98	1.32	3.92	19.3	10.1	50.9	29.0	9.18	3.45	1.46
MAX	0.68	1.4	16	2.4	19	75	21	435	114	48	6.6	2.6
MIN	0.16	0.08	0.52	0.59	0.60	4.4	6.6	5.7	8.6	4.8	2.1	1.1
AC-FT	16	25	122	81	226	1,190	599	3,130	1,730	565	212	87
CFSM	0.02	0.03	0.12	0.08	0.24	1.20	0.63	3.16	1.80	0.57	0.21	0.09
IN.	0.02	0.03	0.14	0.09	0.26	1.38	0.70	3.64	2.01	0.66	0.25	0.10

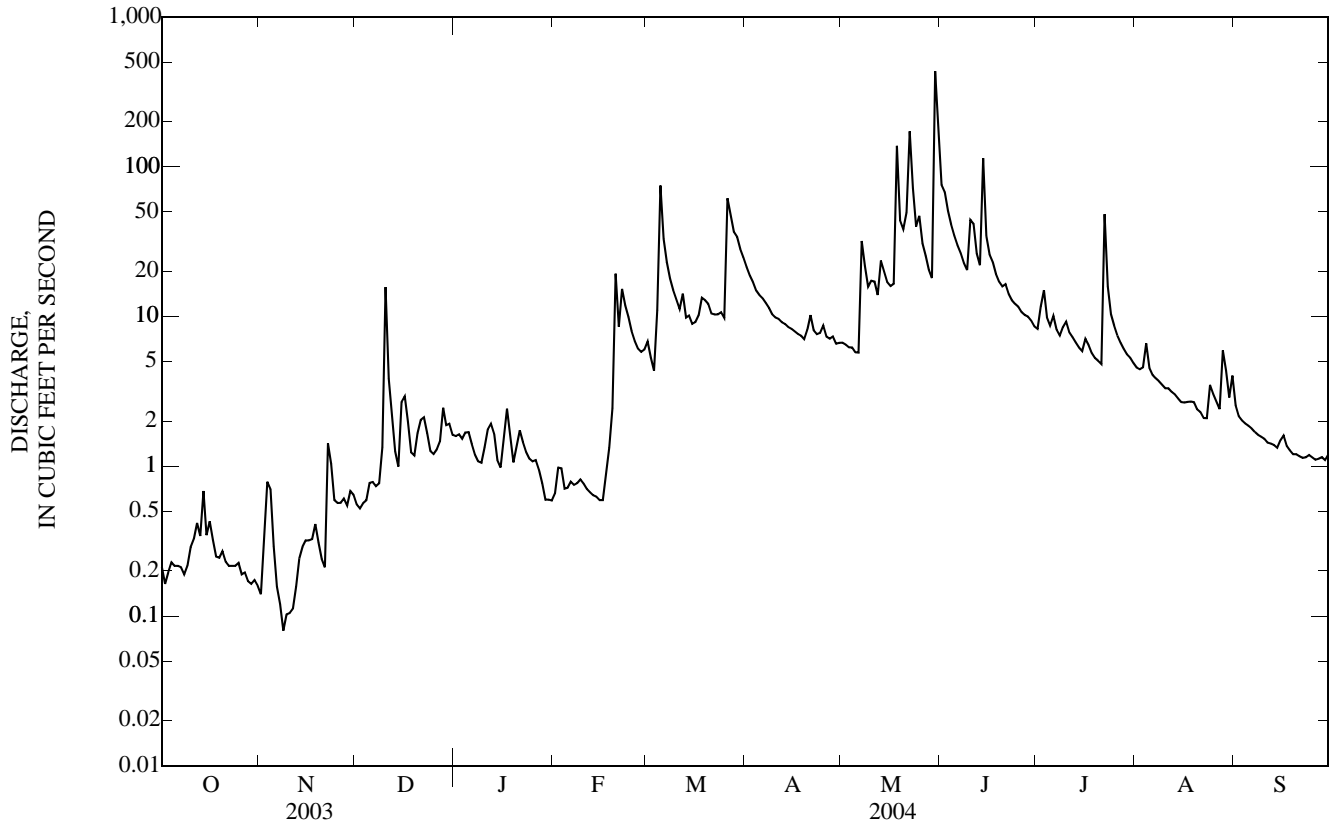
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	6.62	4.22	3.11	3.50	14.8	14.6	19.4	36.1	26.6	9.70	3.77	2.17
MAX	38.0	23.2	10.1	10.8	45.1	50.1	39.4	68.8	44.2	23.3	14.5	8.53
(WY)	(1999)	(1999)	(1999)	(1999)	(2001)	(1998)	(1998)	(1996)	(2000)	(2002)	(2002)	(1998)
MIN	0.26	0.41	0.74	0.73	2.53	2.94	2.60	14.0	6.09	3.03	0.96	0.32
(WY)	(2004)	(2004)	(1997)	(1997)	(2003)	(2003)	(1996)	(1997)	(2003)	(1997)	(2003)	(2003)

05422560 DUCK CREEK AT 110th AVENUE, DAVENPORT, IA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	1,519.77		4,020.07		12.0	
ANNUAL MEAN	4.16		11.0		4.64	
HIGHEST ANNUAL MEAN					17.5	1998
LOWEST ANNUAL MEAN					4.64	2003
HIGHEST DAILY MEAN	60	May 5	435	May 30	648	May 28, 1996
LOWEST DAILY MEAN	0.08	Nov 8	0.08	Nov 8	0.08	Nov 8, 2003
ANNUAL SEVEN-DAY MINIMUM	0.12	Nov 6	0.12	Nov 6	0.12	Nov 6, 2003
MAXIMUM PEAK FLOW			1,440	May 30	1,870	May 28, 1996
MAXIMUM PEAK STAGE			17.77	May 30	18.44	May 28, 1996
INSTANTANEOUS LOW FLOW			0.07	Nov 9	0.07	Nov 9, 2003
ANNUAL RUNOFF (AC-FT)	3,010		7,970		8,700	
ANNUAL RUNOFF (CFSM)	0.259		0.682		0.746	
ANNUAL RUNOFF (INCHES)	3.51		9.29		10.14	
10 PERCENT EXCEEDS	8.3		23		28	
50 PERCENT EXCEEDS	2.5		3.0		3.9	
90 PERCENT EXCEEDS	0.21		0.29		0.81	

e Estimated



05422600 DUCK CREEK AT DUCK CREEK GOLF COURSE, DAVENPORT, IA

LOCATION.--Lat 41°32'46", long 90°31'26", in SW $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$, sec.20, T.78 N., R.4 E., Scott County, Hydrologic Unit 07080101, on right bank 500 feet upstream from Kimberly Road, 100 feet upstream of golf cart bridge, 0.5 miles downstream from Pheasant Creek, in Davenport, and 4.45 miles from the mouth.

DRAINAGE AREA.--53.0 mi².

PERIOD OF RECORD.--November 1993 to current year.

GAGE.--Water stage recorder. Datum of gage is 597.00 ft above NGVD of 1929.

REMARKS.--Records good except those for periods of estimated daily discharges, which are poor. U.S. Geological Survey data collection platform with telephone modem telemetry at station. Precipitation records are not published, but are available.

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	0.91	1.8	1.9	6.0	e4.0	26	56	23	e213	23	12	9.9
2	0.62	47	1.7	6.3	e7.9	e24	49	20	e190	27	11	7.0
3	0.76	67	1.7	6.3	e5.7	e18	44	18	e117	e56	48	6.4
4	1.1	29	1.7	6.6	e3.4	e101	39	18	109	33	e133	5.9
5	0.72	8.3	14	6.2	e4.3	283	37	17	91	58	e21	5.7
6	0.83	4.7	5.1	e4.7	e6.0	89	35	17	80	50	12	5.7
7	1.1	3.3	3.1	e4.1	e3.7	63	33	212	68	25	10	5.1
8	e1.0	3.3	2.7	e3.6	e4.5	47	31	51	59	22	9.6	4.9
9	0.83	2.4	73	e4.1	e5.7	41	28	38	56	56	8.8	4.8
10	1.5	2.4	329	e4.4	e5.0	35	27	69	259	60	7.9	4.7
11	3.8	3.3	35	e6.9	e4.5	31	25	43	152	26	7.8	4.3
12	6.9	2.4	e16	e10	e3.2	26	24	39	73	22	7.6	4.2
13	1.5	1.8	e7.9	e8.2	e3.0	27	24	90	59	20	7.0	4.1
14	43	2.3	e6.7	e6.0	e4.1	37	23	75	381	18	6.7	38
15	4.8	2.5	e7.1	e2.9	e3.9	26	22	40	105	16	6.4	51
16	22	2.8	18	e3.1	e3.5	37	22	34	74	19	11	14
17	4.6	6.8	15	e10	e3.9	38	24	40	64	22	9.4	5.9
18	2.8	17	10	e6.4	e8.8	45	21	516	54	15	14	5.0
19	1.9	4.2	7.6	e3.3	e40	33	20	133	e46	14	10	4.3
20	1.7	2.7	7.7	e3.6	e203	31	84	140	e41	14	6.7	3.9
21	1.5	2.2	8.2	e4.5	e87	26	97	175	e86	14	5.9	3.6
22	1.4	2.1	9.1	e3.9	e119	25	27	597	43	268	5.4	3.5
23	1.6	22	8.3	e3.4	e150	26	23	262	35	57	5.2	3.2
24	1.6	5.1	7.2	e3.3	e69	57	36	136	e38	27	154	3.4
25	5.9	3.1	6.1	e3.3	e37	46	36	179	e35	22	49	3.2
26	2.1	2.4	6.0	e3.4	e27	303	23	103	30	18	16	3.0
27	1.3	2.2	6.7	e3.5	e23	114	21	86	28	16	18	3.2
28	e1.7	2.1	e13	e3.2	23	133	21	71	33	15	169	2.6
29	e1.8	1.9	e9.1	e3.2	23	94	20	62	26	14	29	2.5
30	1.8	1.9	6.4	e2.6	---	76	23	e1,270	24	13	14	2.6
31	1.8	---	6.3	e2.6	---	71	---	e526	---	13	10	---
TOTAL	124.87	260.0	651.3	149.6	886.1	2,029	995	5,100	2,669	1,073	835.4	225.6
MEAN	4.03	8.67	21.0	4.83	30.6	65.5	33.2	165	89.0	34.6	26.9	7.52
MAX	43	67	329	10	203	303	97	1,270	381	268	169	51
MIN	0.62	1.8	1.7	2.6	3.0	18	20	17	24	13	5.2	2.5
AC-FT	248	516	1,290	297	1,760	4,020	1,970	10,120	5,290	2,130	1,660	447
CFSM	0.08	0.16	0.40	0.09	0.58	1.23	0.63	3.10	1.68	0.65	0.51	0.14
IN.	0.09	0.18	0.46	0.11	0.62	1.42	0.70	3.58	1.87	0.75	0.59	0.16

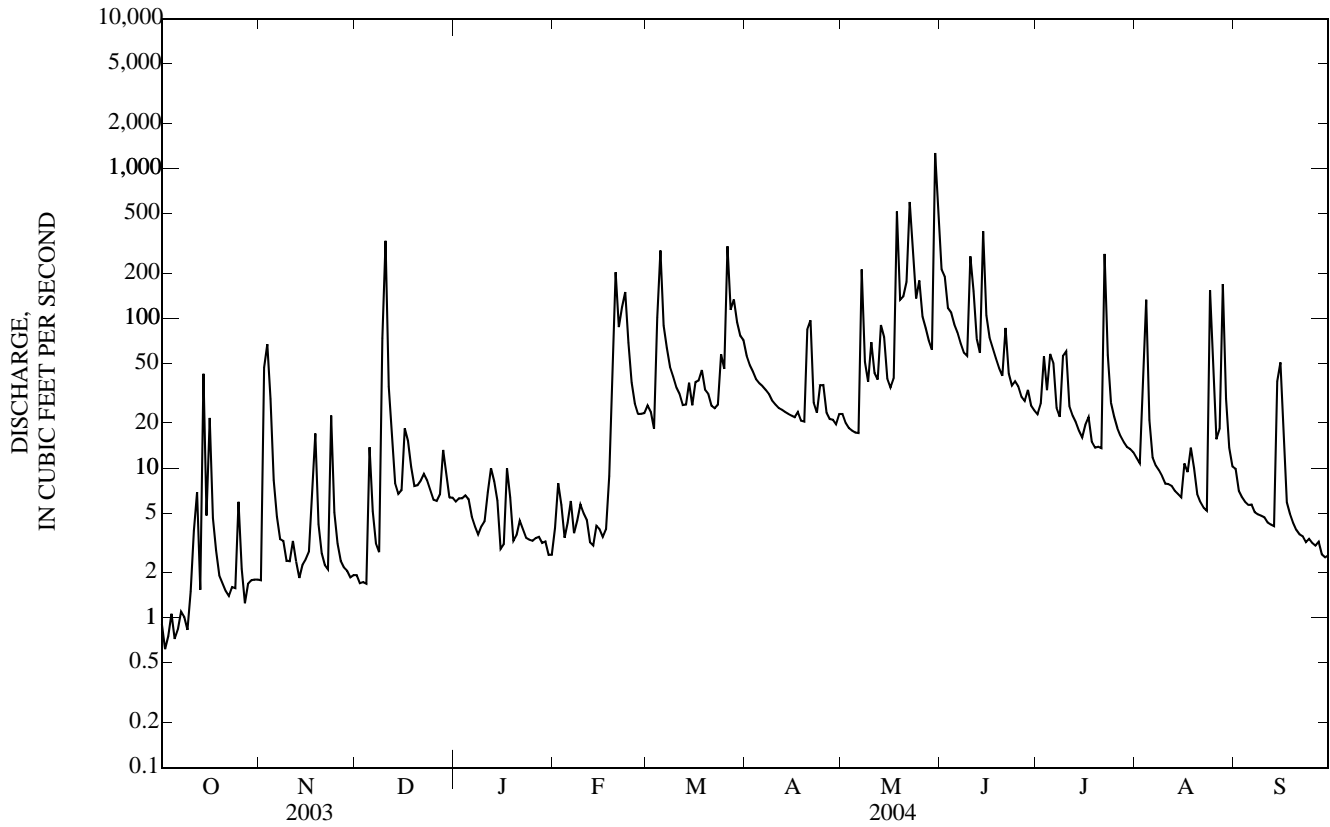
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

MEAN	22.6	16.7	12.1	13.6	53.3	51.3	72.4	129	98.6	41.9	23.3	15.7
MAX	125	68.3	33.1	38.6	173	143	141	250	177	100	41.5	35.1
(WY)	(1999)	(1999)	(1999)	(1999)	(2001)	(1998)	(1998)	(1996)	(2000)	(2002)	(2002)	(1998)
MIN	3.26	4.84	3.74	4.59	5.34	13.5	16.5	56.3	28.0	10.4	6.40	4.96
(WY)	(1995)	(2000)	(1997)	(2000)	(2003)	(2003)	(1996)	(1997)	(2003)	(1997)	(2003)	(1995)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1995 - 2004	
ANNUAL TOTAL	8,218.29		14,998.87			
ANNUAL MEAN	22.5		41.0		45.7	
HIGHEST ANNUAL MEAN					61.8	1998
LOWEST ANNUAL MEAN					22.7	2003
HIGHEST DAILY MEAN	531	Jul 10	1,270	May 30	2,910	Jun 4, 2002
LOWEST DAILY MEAN	0.45	Sep 11	0.62	Oct 2	0.45	Sep 11, 2003
ANNUAL SEVEN-DAY MINIMUM	0.70	Sep 5	0.86	Oct 1	0.70	Sep 5, 2003
MAXIMUM PEAK FLOW			4,040	May 30	7,310	Jun 4, 2002
MAXIMUM PEAK STAGE			12.72	May 30	16.34	Jun 4, 2002
ANNUAL RUNOFF (AC-FT)	16,300		29,750		33,120	
ANNUAL RUNOFF (CFSM)	0.425		0.773		0.863	
ANNUAL RUNOFF (INCHES)	5.77		10.53		11.72	
10 PERCENT EXCEEDS	42		90		99	
50 PERCENT EXCEEDS	7.1		14		16	
90 PERCENT EXCEEDS	1.7		2.4		3.7	

e Estimated.



05422600 DUCK CREEK AT DUCK CREEK GOLF COURSE, DAVENPORT, IA—Continued