

LOCATION.--Lat 37°40'42", long 83°56'54", Estill County, Hydrologic Unit 05100205, on right upstream bank of Lock 12 at Irvine, 2.4 mi upstream from Station Camp Creek, 4.7 mi downstream from Millers Creek, and at mile 220.9.

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 593.53 ft above NGVD of 1929.

REMARKS.--Water year 2001: Records fair except for periods of estimated records, which are poor. Water year 2002: Records fair except for periods of estimated records, which are poor. Water year 2003: Records fair except for periods of estimated records, which are poor. Water year 2004: Records fair except for periods of estimated records, which are fair. Flows below 150 ft³/s are considered poor. Flow regulated by Buckhorn Lake beginning December 1960 (station 03280800), and by Carr Fork Lake beginning January 1976 (station 03277446). Small diversions by City of Lexington waterworks.

COOPERATION.--Kentucky River Authority.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	526	531	368	582	2,650	7,550	3,040	771	781	699	5,440	616
2	439	522	347	537	2,420	6,130	3,300	753	812	907	2,910	679
3	358	491	317	460	2,080	4,930	3,380	749	851	912	2,720	880
4	319	462	278	435	1,730	3,900	5,110	862	915	1,030	2,890	766
5	294	447	253	481	1,630	4,520	7,710	888	1,170	2,310	4,220	616
6	272	435	235	485	1,510	6,690	7,100	787	2,360	4,370	6,870	539
7	224	434	225	473	1,420	7,530	6,030	691	3,100	2,610	3,640	443
8	149	449	223	462	1,310	6,520	5,010	751	6,920	1,970	2,610	434
9	194	491	229	456	1,220	5,380	3,990	1,080	7,450	4,890	1,890	430
10	219	775	241	398	1,310	4,380	3,270	1,020	4,460	4,420	1,710	408
11	228	908	251	354	1,510	3,670	2,750	848	2,560	3,880	3,600	377
12	229	1,090	253	352	1,780	3,170	2,350	723	1,680	2,160	2,970	354
13	226	1,040	277	377	1,830	3,070	2,190	638	1,250	1,420	3,430	342
14	229	991	995	375	1,890	3,340	2,260	582	995	1,060	5,620	325
15	235	857	4,790	386	e10,300	3,350	2,270	542	825	784	4,690	310
16	235	746	5,220	419	e26,200	3,780	2,140	503	1,090	577	2,590	296
17	252	674	e25,000	427	e34,900	5,120	1,950	460	884	471	1,550	284
18	335	656	e15,900	442	e32,400	5,240	1,810	434	758	481	1,310	279
19	416	651	7,550	e2,120	e18,000	4,490	1,660	447	598	707	1,060	299
20	473	583	4,650	e23,700	10,600	3,930	1,540	635	487	954	935	321
21	430	539	3,380	e25,000	8,630	4,730	1,440	963	483	791	871	359
22	440	493	2,720	e11,400	7,890	7,040	1,360	1,400	553	750	728	366
23	495	442	2,060	e7,730	8,700	9,430	1,270	2,200	719	865	707	363
24	490	414	1,520	6,730	9,810	10,400	1,190	2,940	747	918	666	371
25	520	418	1,190	6,400	8,920	8,560	1,100	2,890	863	773	651	410
26	554	405	938	5,040	e11,100	6,280	1,040	2,030	857	1,030	715	447
27	509	379	886	3,190	e10,800	4,930	976	1,640	765	2,370	702	714
28	459	378	888	2,340	9,180	4,000	920	1,310	1,110	1,520	636	807
29	513	377	775	2,040	---	3,390	862	1,060	1,150	11,200	622	607
30	533	381	701	2,190	---	3,040	801	883	842	15,000	695	524
31	531	---	633	2,620	---	2,880	---	758	---	9,970	733	---
TOTAL	11,326	17,459	83,293	108,401	231,720	161,370	79,819	32,238	48,035	81,799	70,381	13,981
MEAN	365	582	2,687	3,497	8,276	5,205	2,661	1,040	1,601	2,639	2,270	466
MAX	554	1,090	25,000	25,000	34,900	10,400	7,710	2,940	7,450	15,000	6,870	880
MIN	149	377	223	352	1,220	2,880	801	434	483	471	622	279
MED	358	492	775	485	5,270	4,730	2,170	787	874	1,030	1,710	409
AC-FT	22,470	34,630	165,200	215,000	459,600	320,100	158,300	63,940	95,280	162,200	139,600	27,730
CFSM	0.13	0.20	0.92	1.20	2.84	1.79	0.91	0.36	0.55	0.90	0.78	0.16
IN.	0.14	0.22	1.06	1.38	2.96	2.06	1.02	0.41	0.61	1.04	0.90	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

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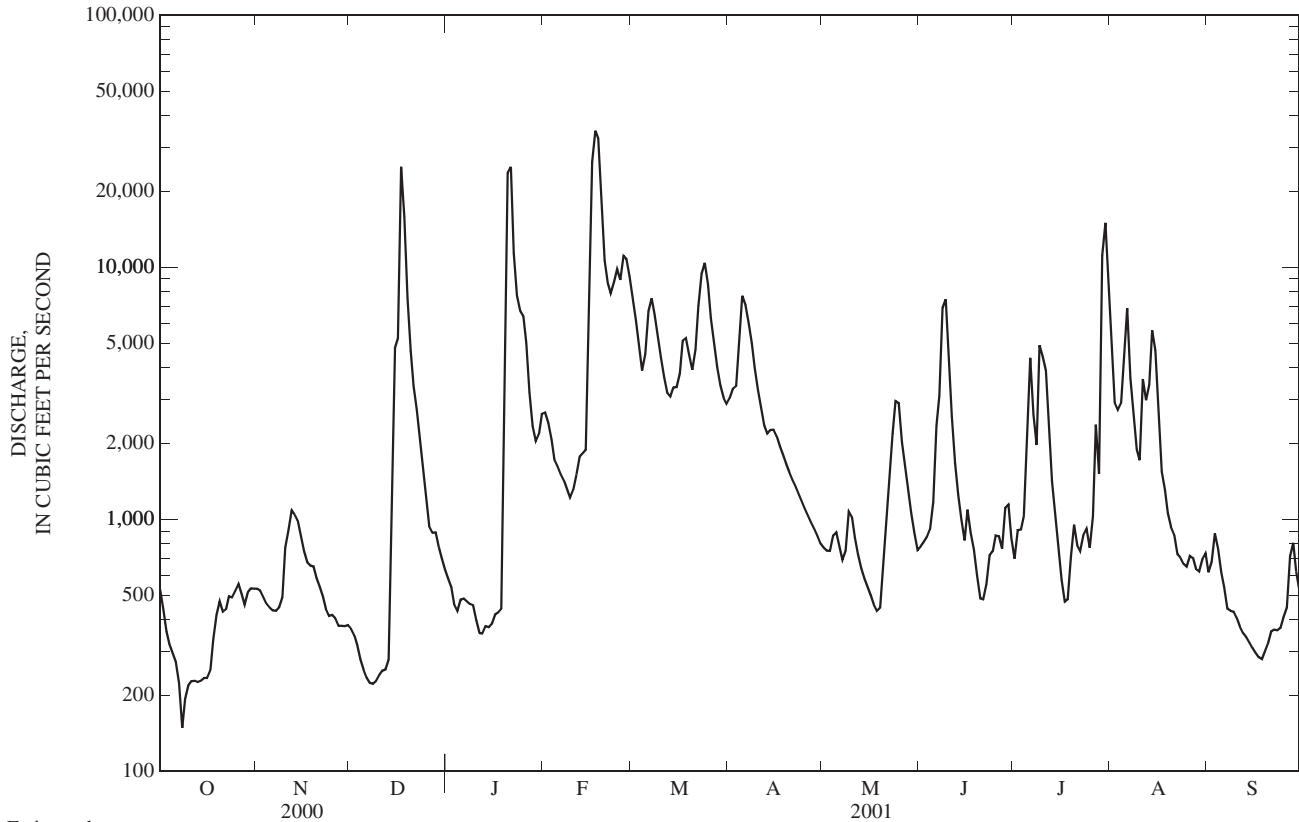
03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

SUMMARY STATISTICS

FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

ANNUAL TOTAL	939,822			
ANNUAL MEAN	2,575		2,575	
HIGHEST ANNUAL MEAN			2,575	2001
LOWEST ANNUAL MEAN			2,575	2001
HIGHEST DAILY MEAN	34,900	Feb 17	34,900	Feb 17, 2001
LOWEST DAILY MEAN	149	Oct 8	149	Oct 8, 2000
ANNUAL SEVEN-DAY MINIMUM	210	Oct 7	210	Oct 7, 2000
MAXIMUM PEAK FLOW	38,500	Feb 17	38,500	Feb 17, 2001
MAXIMUM PEAK STAGE	25.00	Feb 17	25.00	Feb 17, 2001
ANNUAL RUNOFF (AC-FT)	1,864,000		1,865,000	
ANNUAL RUNOFF (CFSM)	0.883		0.883	
ANNUAL RUNOFF (INCHES)	11.99		12.00	
10 PERCENT EXCEEDS	6,710		6,710	
50 PERCENT EXCEEDS	907		907	
90 PERCENT EXCEEDS	353		353	



e Estimated

03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

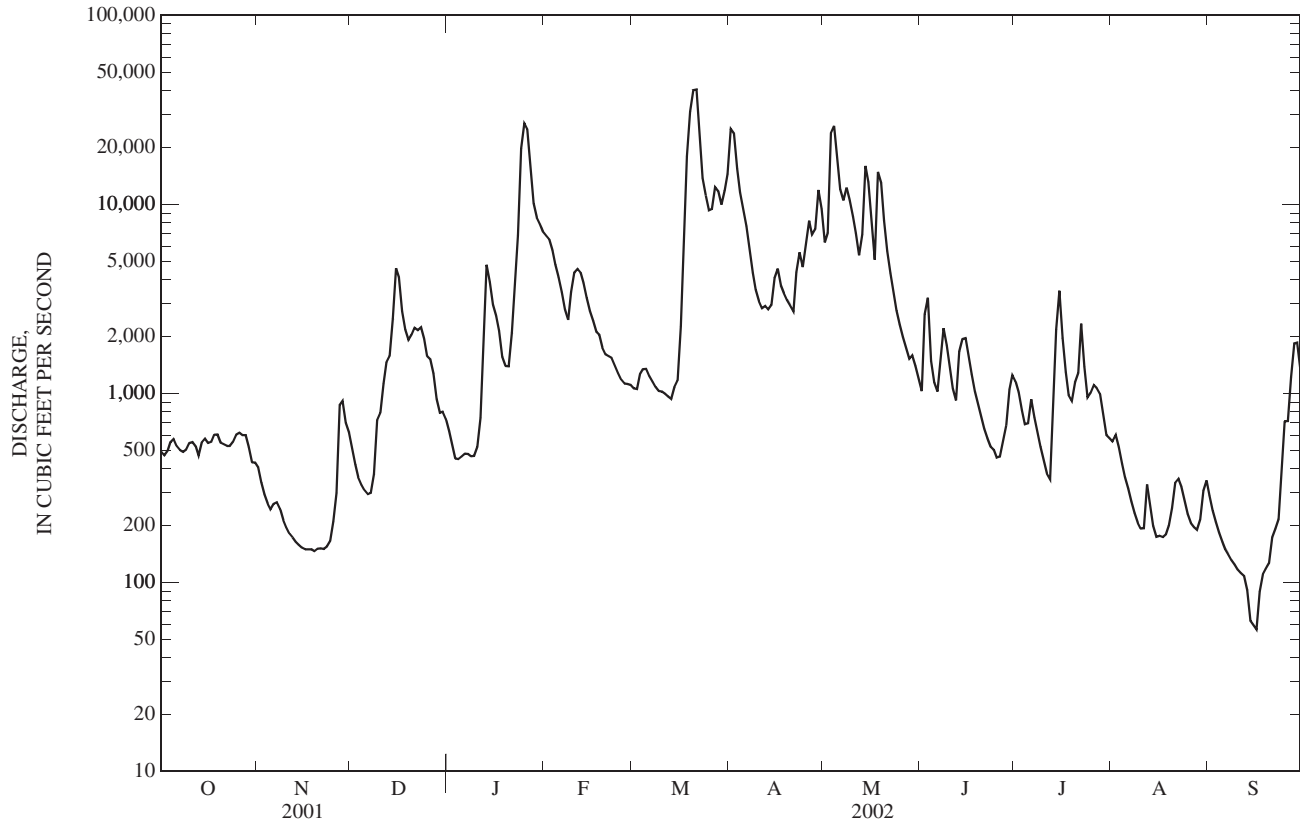
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	491	408	510	631	6,830	1,060	25,100	6,290	1,030	1,160	557	288
2	470	337	419	531	6,510	1,050	23,700	7,040	2,630	1,010	601	240
3	494	291	359	452	5,700	1,260	15,400	23,800	3,210	813	518	208
4	551	261	329	449	4,790	1,340	11,600	25,900	1,490	688	424	184
5	573	244	307	463	4,110	1,350	9,440	16,800	1,140	696	360	164
6	524	260	293	480	3,430	1,230	7,680	12,000	1,020	931	314	151
7	501	266	297	477	2,770	1,150	5,710	10,500	1,460	744	268	141
8	490	244	374	464	2,440	1,080	4,330	12,300	2,210	613	232	131
9	504	213	720	467	3,430	1,030	3,520	10,500	1,800	521	207	124
10	545	196	789	522	4,350	1,020	3,080	8,630	1,340	442	193	117
11	553	181	1,130	743	4,550	995	2,820	7,030	1,060	378	194	112
12	524	173	1,460	1,950	4,340	961	2,890	5,370	917	352	331	108
13	469	164	1,570	4,780	3,840	935	2,770	6,920	1,660	974	253	91
14	549	158	2,480	3,890	3,190	1,080	2,920	15,900	1,940	2,180	199	63
15	577	152	4,580	2,940	2,720	1,170	4,080	13,100	1,960	3,490	174	60
16	547	149	4,100	2,560	2,420	2,250	4,570	8,240	1,610	1,970	176	56
17	554	150	2,720	2,150	2,110	6,620	3,720	5,100	1,260	1,300	174	89
18	604	150	2,170	1,550	2,050	17,900	3,400	14,800	1,020	979	180	110
19	607	146	1,910	1,400	1,750	30,900	3,120	13,000	874	913	200	118
20	548	151	2,050	1,390	1,610	40,200	2,910	8,210	750	1,150	247	126
21	538	151	2,220	2,100	1,570	40,500	2,720	5,660	649	1,280	336	173
22	527	150	2,160	3,630	1,540	23,100	4,370	4,320	579	2,340	353	192
23	528	154	2,240	6,860	1,410	13,700	5,580	3,420	523	1,390	321	216
24	554	165	1,940	19,700	1,280	11,100	4,660	2,750	502	948	270	410
25	605	210	1,580	26,900	1,180	9,280	6,110	2,310	458	1,010	230	712
26	618	297	1,520	25,100	1,130	9,420	8,180	1,980	463	1,110	206	714
27	602	865	1,270	15,900	1,120	12,300	6,890	1,740	558	1,070	196	1,220
28	602	908	932	10,100	1,110	11,700	7,370	1,520	678	996	190	1,840
29	519	699	790	8,510	---	9,940	11,900	1,590	1,050	769	215	1,860
30	432	621	799	7,840	---	11,800	9,480	1,390	1,250	601	305	1,340
31	431	---	730	7,190	---	14,400	---	1,200	---	581	346	---
TOTAL	16,631	8,514	44,748	162,119	83,280	281,821	210,020	259,310	37,091	33,399	8,770	11,358
MEAN	536	284	1,443	5,230	2,974	9,091	7,001	8,365	1,236	1,077	283	379
MAX	618	908	4,580	26,900	6,830	40,500	25,100	25,900	3,210	3,490	601	1,860
MIN	431	146	293	449	1,110	935	2,720	1,200	458	352	174	56
MED	545	203	1,270	2,100	2,580	2,250	4,610	7,030	1,050	974	247	157
AC-FT	32,990	16,890	88,760	321,600	165,200	559,000	416,600	514,300	73,570	66,250	17,400	22,530
CFSM	0.18	0.10	0.50	1.79	1.02	3.12	2.40	2.87	0.42	0.37	0.10	0.13
IN.	0.21	0.11	0.57	2.07	1.06	3.60	2.68	3.31	0.47	0.43	0.11	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

MEAN	451	433	2,065	4,363	5,625	7,148	4,831	4,702	1,419	1,858	1,277	422
MAX	536	582	2,687	5,230	8,276	9,091	7,001	8,365	1,601	2,639	2,270	466
(WY)	(2002)	(2001)	(2001)	(2002)	(2001)	(2002)	(2002)	(2002)	(2001)	(2001)	(2001)	(2001)
MIN	365	284	1,443	3,497	2,974	5,205	2,661	1,040	1,236	1,077	283	379
(WY)	(2001)	(2002)	(2002)	(2001)	(2002)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)

03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	897,637		1,157,061		2,872	
ANNUAL MEAN	2,459		3,170		3,170	
HIGHEST ANNUAL MEAN					2,575	
LOWEST ANNUAL MEAN					40,500	
HIGHEST DAILY MEAN	34,900	Feb 17	40,500	Mar 21	40,500	Mar 21, 2002
LOWEST DAILY MEAN	146	Nov 19	56	Sep 16	56	Sep 16, 2002
ANNUAL SEVEN-DAY MINIMUM	150	Nov 16	82	Sep 12	82	Sep 12, 2002
MAXIMUM PEAK FLOW			43,700	Mar 20	43,700	Mar 20, 2002
MAXIMUM PEAK STAGE			27.28	Mar 20	27.28	Mar 20, 2002
ANNUAL RUNOFF (AC-FT)	1,780,000		2,295,000		2,081,000	
ANNUAL RUNOFF (CFSM)	0.843		1.09		0.985	
ANNUAL RUNOFF (INCHES)	11.45		14.76		13.38	
10 PERCENT EXCEEDS	6,330		9,340		7,550	
50 PERCENT EXCEEDS	912		1,050		978	
90 PERCENT EXCEEDS	340		188		251	



03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

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

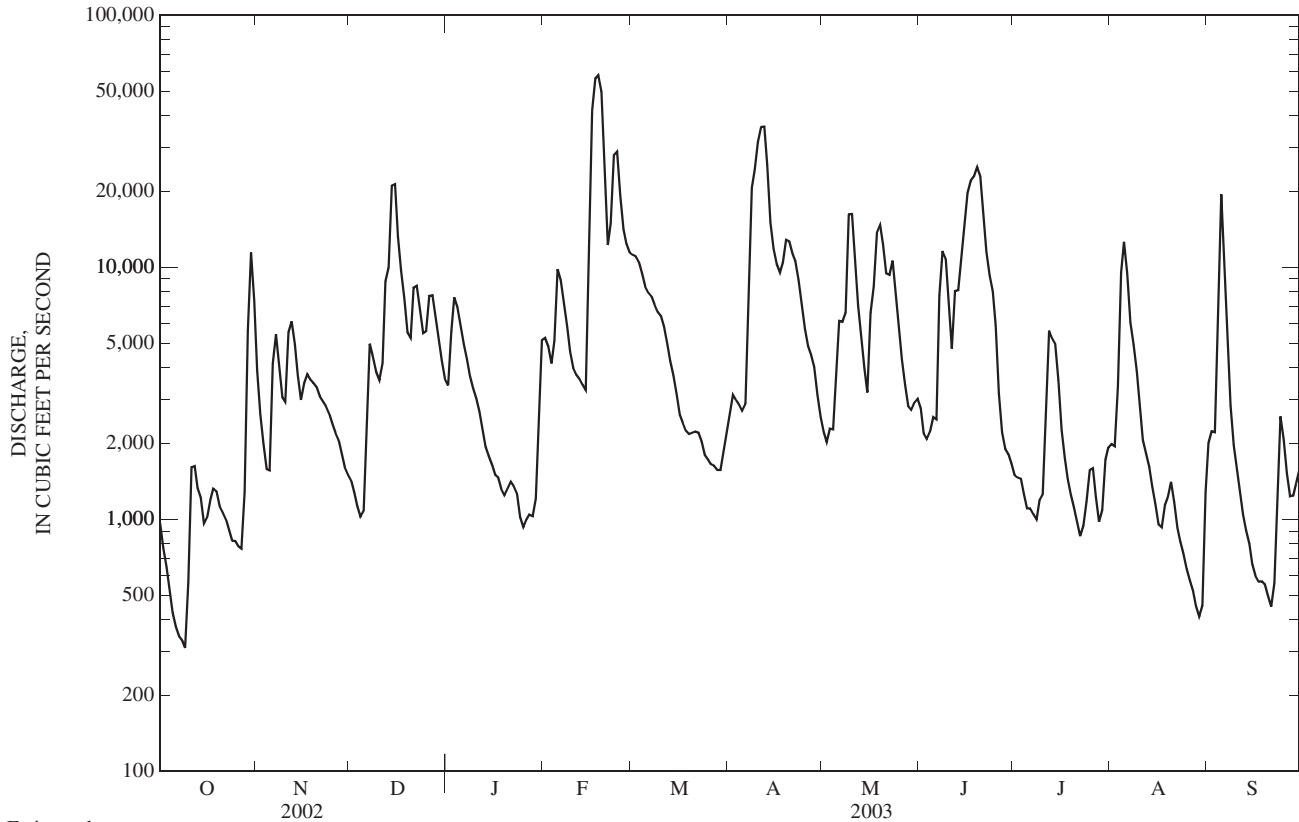
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	965	3,920	1,420	3,400	5,230	11,200	2,610	2,210	2,750	1,500	1,990	2,010
2	769	2,610	1,270	5,590	4,860	11,000	3,120	2,030	2,200	1,470	1,950	2,240
3	648	1,990	1,130	7,590	4,160	10,500	2,970	2,290	2,090	1,450	3,370	2,220
4	534	1,580	1,020	6,930	5,120	9,440	2,860	2,280	2,230	1,270	9,520	5,920
5	427	1,560	1,080	5,900	9,820	8,380	2,700	3,820	2,540	1,110	12,600	19,500
6	375	4,150	2,580	4,960	8,870	7,900	2,870	6,120	2,490	1,110	9,470	9,990
7	345	5,430	4,970	4,300	7,200	7,630	6,140	6,070	7,730	1,050	6,050	5,090
8	330	4,150	4,410	3,710	5,820	7,110	20,700	6,610	11,600	1,000	4,950	2,830
9	310	3,050	3,860	3,310	4,650	6,660	24,400	16,200	10,800	1,190	3,870	1,970
10	563	2,920	3,570	3,020	3,990	6,410	31,400	16,300	7,380	1,250	2,870	1,580
11	1,610	5,530	4,170	2,660	3,750	5,780	36,000	11,100	4,750	2,820	2,060	1,280
12	1,630	6,100	8,780	2,290	3,600	4,950	36,200	7,080	8,040	5,600	1,820	1,050
13	1,330	4,950	10,000	1,940	3,430	4,240	25,600	5,330	8,120	5,250	1,610	898
14	1,220	3,740	21,100	1,780	3,260	3,720	15,100	3,950	10,700	4,990	1,360	798
15	963	2,980	21,400	1,650	16,000	3,140	11,800	3,190	14,500	3,560	1,150	662
16	1,020	3,460	13,300	1,500	42,000	2,600	10,300	6,590	19,700	2,270	955	596
17	1,200	3,770	9,690	1,470	56,200	2,420	9,540	8,400	22,000	1,750	930	566
18	1,330	3,590	7,540	1,320	57,900	2,250	10,400	13,700	22,900	1,450	1,140	569
19	1,290	3,480	5,520	1,250	49,700	2,180	12,900	14,700	25,000	1,250	1,230	554
20	1,130	3,350	5,260	1,330	23,500	2,200	12,700	12,300	22,900	1,110	1,410	497
21	1,070	3,080	8,280	1,410	12,300	2,230	11,300	9,460	16,100	968	1,170	451
22	998	2,940	8,450	1,360	15,000	2,210	10,500	9,320	11,500	857	926	560
23	909	2,820	6,880	1,270	27,900	2,040	8,920	10,600	9,310	943	816	1,250
24	824	2,640	5,470	1,020	28,800	1,800	7,080	7,740	8,020	1,180	728	2,560
25	821	2,400	5,570	931	19,200	1,730	5,700	5,660	5,880	1,570	634	2,080
26	781	2,200	7,700	993	14,100	1,660	4,860	4,310	3,160	1,590	572	1,530
27	765	2,060	7,750	1,040	12,400	1,630	4,500	3,420	2,220	1,230	518	1,240
28	1,280	1,830	6,400	1,030	11,500	1,570	4,010	2,800	1,900	980	453	1,240
29	5,600	1,610	5,140	1,210	---	e1,570	3,130	2,720	1,810	1,090	412	1,390
30	11,400	1,510	4,290	2,210	---	e1,880	2,550	2,900	1,670	1,730	455	1,570
31	7,380	---	3,610	5,130	---	e2,210	---	3,010	---	1,930	1,280	---
TOTAL	49,817	95,400	201,610	83,504	460,260	140,240	342,860	212,210	271,990	56,518	78,269	74,691
MEAN	1,607	3,180	6,504	2,694	16,440	4,524	11,430	6,845	9,066	1,823	2,525	2,490
MAX	11,400	6,100	21,400	7,590	57,900	11,200	36,200	16,300	25,000	5,600	12,600	19,500
MIN	310	1,510	1,020	931	3,260	1,570	2,550	2,030	1,670	857	412	451
MED	965	3,010	5,470	1,780	10,600	2,600	9,230	6,070	7,880	1,270	1,280	1,330
AC-FT	98,810	189,200	399,900	165,600	912,900	278,200	680,100	420,900	539,500	112,100	155,200	148,100
CFSM	0.55	1.09	2.23	0.92	5.64	1.55	3.92	2.35	3.11	0.63	0.87	0.85
IN.	0.64	1.22	2.57	1.07	5.87	1.79	4.37	2.71	3.47	0.72	1.00	0.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	836	1,349	3,545	3,807	9,229	6,273	7,030	5,417	3,968	1,846	1,693	1,111
MAX	1,607	3,180	6,504	5,230	16,440	9,091	11,430	8,365	9,066	2,639	2,525	2,490
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2002)	(2003)	(2002)	(2003)	(2001)	(2003)	(2003)
MIN	365	284	1,443	2,694	2,974	4,524	2,661	1,040	1,236	1,077	283	379
(WY)	(2001)	(2002)	(2002)	(2003)	(2002)	(2003)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)

03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	1,433,995		2,067,369		3,803	
ANNUAL MEAN	3,929		5,664		5,664	
HIGHEST ANNUAL MEAN					2,575	
LOWEST ANNUAL MEAN					57,900	
HIGHEST DAILY MEAN	40,500	Mar 21	57,900	Feb 18	57,900	Feb 18, 2003
LOWEST DAILY MEAN	56	Sep 16	310	Oct 9	56	Sep 16, 2002
ANNUAL SEVEN-DAY MINIMUM	82	Sep 12	412	Oct 4	82	Sep 12, 2002
MAXIMUM PEAK FLOW			58,600	Feb 18	58,600	Feb 18, 2003
MAXIMUM PEAK STAGE			35.02	Feb 18	35.02	Feb 18, 2003
ANNUAL RUNOFF (AC-FT)	2,844,000		4,101,000		2,755,000	
ANNUAL RUNOFF (CFSM)	1.35		1.94		1.30	
ANNUAL RUNOFF (INCHES)	18.29		26.37		17.72	
10 PERCENT EXCEEDS	10,000		12,500		9,740	
50 PERCENT EXCEEDS	1,590		2,940		1,510	
90 PERCENT EXCEEDS	237		938		336	



e Estimated

03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

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

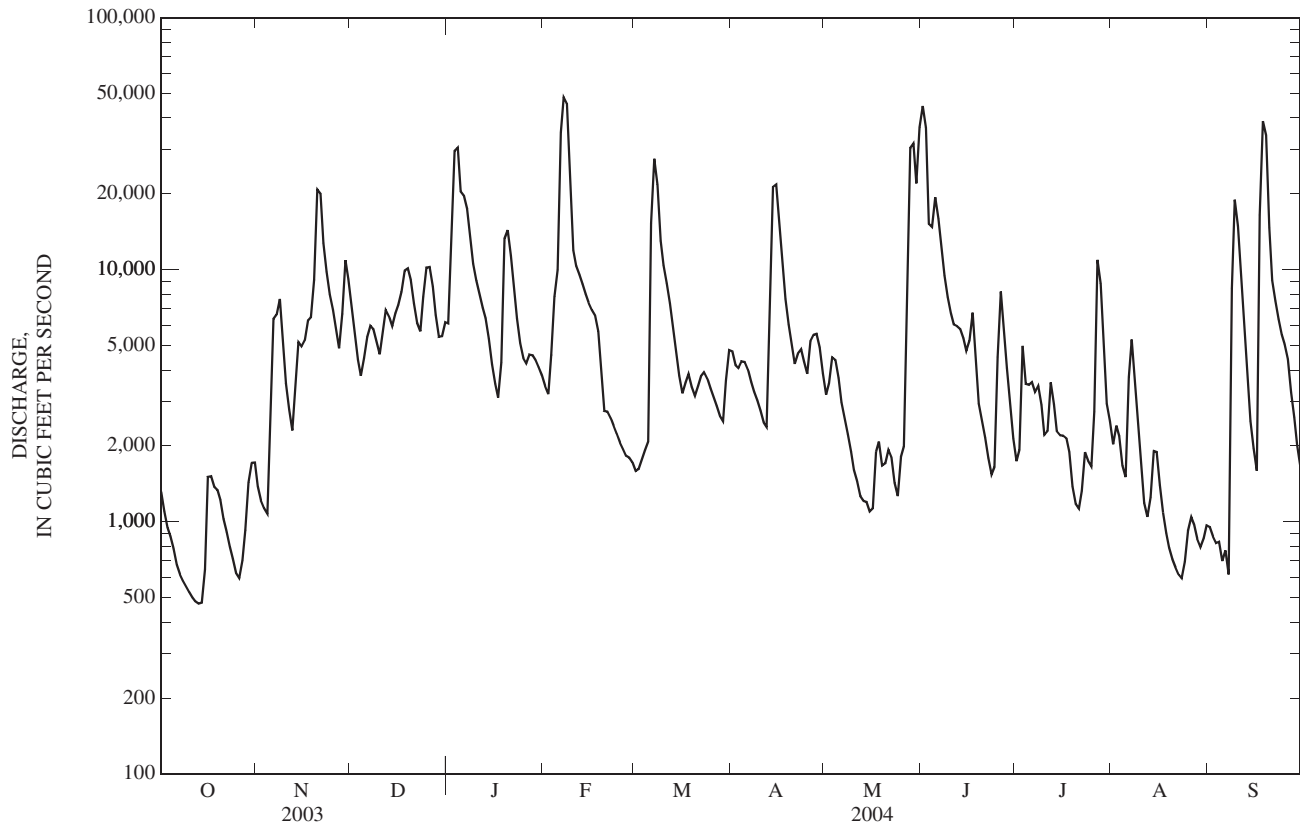
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	1,380	7,080	6,100	3,460	1,590	4,740	3,200	44,600	1,740	2,030	952
2	1,100	1,220	5,550	12,000	3,210	1,610	4,180	3,540	36,600	1,930	2,400	874
3	947	1,130	4,390	29,600	4,590	1,760	4,060	4,500	15,200	4,980	2,180	822
4	874	1,080	3,800	30,500	7,810	1,920	4,330	4,390	14,800	3,530	1,670	832
5	782	2,400	4,450	20,400	9,990	2,080	4,300	3,710	19,400	3,490	1,500	699
6	675	6,370	5,410	19,700	34,900	15,300	4,010	2,980	15,900	3,580	3,750	e769
7	618	6,620	5,990	17,400	48,300	27,500	3,580	2,560	12,300	3,270	5,280	e619
8	585	7,650	5,820	13,400	45,600	21,700	3,280	2,230	9,480	3,450	3,360	e8,420
9	554	5,280	5,170	10,600	21,900	13,000	3,030	1,900	7,790	2,900	2,200	18,900
10	526	3,540	4,620	9,040	11,900	10,400	2,760	1,600	6,710	2,210	1,550	14,900
11	501	2,790	5,690	7,950	10,300	8,840	2,470	1,450	6,060	2,290	1,190	9,550
12	483	2,300	6,940	7,060	9,550	7,340	2,380	1,260	5,970	3,570	1,050	6,200
13	474	3,530	6,530	6,400	8,760	5,940	7,230	1,210	5,810	2,920	1,250	3,860
14	478	5,160	5,970	5,330	7,970	4,850	21,300	1,200	5,350	2,280	1,910	2,510
15	647	4,960	6,700	4,210	7,390	3,790	21,800	1,100	4,770	2,200	1,890	1,950
16	1,510	5,240	7,230	3,520	6,940	3,230	15,200	1,130	5,230	2,190	1,400	1,590
17	1,510	6,280	8,150	3,110	6,590	3,560	10,700	1,890	6,740	2,150	1,090	16,400
18	1,380	6,470	9,890	4,270	5,690	3,850	7,660	2,080	4,440	1,890	901	38,700
19	1,340	9,120	10,100	13,300	3,890	3,420	6,050	1,670	2,940	1,380	788	34,000
20	1,220	20,800	9,110	14,400	2,750	3,160	5,060	1,700	2,510	1,180	710	14,600
21	1,030	20,000	7,350	11,400	2,730	3,450	4,230	1,930	2,160	1,130	659	9,080
22	910	12,700	6,150	8,620	2,580	3,770	4,640	1,810	1,790	1,330	616	7,510
23	792	9,810	5,700	6,400	2,410	3,920	4,830	1,430	1,540	1,890	596	6,360
24	714	7,980	7,800	5,110	2,240	3,700	4,320	1,260	1,650	1,740	693	5,510
25	627	6,930	10,200	4,450	2,060	3,380	3,860	1,810	4,490	1,660	923	5,050
26	599	5,850	10,200	4,260	1,940	3,130	5,200	1,990	8,190	2,730	1,040	4,420
27	702	4,880	8,590	4,600	1,830	2,880	5,520	9,930	5,700	10,900	974	3,270
28	928	6,690	6,620	4,580	1,790	2,630	5,570	30,300	4,070	8,800	854	2,590
29	1,430	10,900	5,420	4,360	1,720	2,500	4,900	31,600	3,030	4,970	795	2,010
30	1,710	9,170	5,450	4,110	---	3,640	3,870	22,000	2,140	2,940	860	1,660
31	1,720	---	6,180	3,810	---	4,800	---	36,700	---	2,500	967	---
TOTAL	28,686	198,230	208,250	299,990	280,790	182,640	185,060	186,060	267,360	93,720	47,076	224,607
MEAN	925	6,608	6,718	9,677	9,682	5,892	6,169	6,002	8,912	3,023	1,519	7,487
MAX	1,720	20,800	10,200	30,500	48,300	27,500	21,800	36,700	44,600	10,900	5,280	38,700
MIN	474	1,080	3,800	3,110	1,720	1,590	2,380	1,100	1,540	1,130	596	619
MED	792	6,070	6,180	6,400	5,690	3,640	4,480	1,930	5,750	2,290	1,090	4,140
AC-FT	56,900	393,200	413,100	595,000	556,900	362,300	367,100	369,000	530,300	185,900	93,380	445,500
CFSM	0.32	2.27	2.30	3.32	3.32	2.02	2.12	2.06	3.06	1.04	0.52	2.57
IN.	0.37	2.53	2.66	3.83	3.58	2.33	2.36	2.37	3.41	1.20	0.60	2.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	859	2,663	4,338	5,274	9,346	6,178	6,815	5,563	5,204	2,141	1,649	2,705
MAX	1,607	6,608	6,718	9,677	16,440	9,091	11,430	8,365	9,066	3,023	2,525	7,487
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2002)	(2003)	(2002)	(2003)	(2004)	(2003)	(2004)
MIN	365	284	1,443	2,694	2,974	4,524	2,661	1,040	1,236	1,077	283	379
(WY)	(2001)	(2002)	(2002)	(2003)	(2002)	(2003)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)

03282120 KENTUCKY RIVER AT LOCK 12 NEAR IRVINE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	2,155,708		2,202,469		4,358	
ANNUAL MEAN	5,906		6,018		6,018	
HIGHEST ANNUAL MEAN					2,575	
LOWEST ANNUAL MEAN					57,900	
HIGHEST DAILY MEAN	57,900	Feb 18	48,300	Feb 7	57,900	Feb 18, 2003
LOWEST DAILY MEAN	412	Aug 29	474	Oct 13	56	Sep 16, 2002
ANNUAL SEVEN-DAY MINIMUM	514	Oct 8	514	Oct 8	82	Sep 12, 2002
MAXIMUM PEAK FLOW			49,700	Feb 7	58,600	Feb 18, 2003
MAXIMUM PEAK STAGE			30.15	Feb 7	35.02	Feb 18, 2003
ANNUAL RUNOFF (AC-FT)	4,276,000		4,369,000		3,157,000	
ANNUAL RUNOFF (CFSM)	2.03		2.06		1.49	
ANNUAL RUNOFF (INCHES)	27.50		28.10		20.30	
10 PERCENT EXCEEDS	12,500		13,100		10,400	
50 PERCENT EXCEEDS	3,310		3,800		2,010	
90 PERCENT EXCEEDS	905		941		412	
e Estimated						



03282290 KENTUCKY RIVER AT LOCK 11 NEAR COLLEGE HILL, KY

LOCATION.--Lat 37°47'02", long 84°06'12", Estill County, Hydrologic Unit 05100205, on upstream right bank of Lock 11, 0.6 mi downstream from Flint Creek, 1.0 mi east of College Hill, 1.0 mi upstream from Lick Run, and at mile 201.

DRAINAGE AREA.--3,219 mi² of which 26.1 mi² is non-contributing.

PERIOD OF RECORD.--June 2002 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 575.60 feet above NGVD of 1929.

REMARKS.--Records good except for periods of estimated record which are fair. Flow regulated by Buckhorn Lake beginning December 1960 (station 03280800), and by Carr Fork Lake beginning January 1976 (station 03277446). Small diversions by City of Lexington waterworks.

COOPERATION.--Kentucky River Authority.

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	1,330	1,380	8,050	e6,630	3,890	1,720	5,680	3,730	43,500	1,950	2,710	865
2	1,110	1,170	6,350	e14,400	3,600	1,800	4,960	4,130	42,100	1,780	2,510	794
3	941	1,060	5,040	e30,400	5,060	1,920	4,630	5,360	23,900	4,590	2,460	751
4	850	996	4,350	e33,700	8,250	2,070	4,770	5,010	15,400	3,920	1,860	749
5	773	1,840	4,920	e26,600	10,900	2,360	4,740	4,350	24,200	3,580	1,790	677
6	681	7,200	5,890	23,200	31,500	16,800	4,470	3,520	19,000	3,700	3,290	583
7	617	6,830	6,430	20,700	42,600	28,900	4,040	2,950	14,100	3,400	5,720	572
8	577	7,910	6,330	15,400	44,600	26,700	3,680	2,540	10,300	3,580	3,910	7,790
9	551	5,980	5,720	11,600	32,000	15,700	3,380	2,160	8,390	3,180	2,520	22,600
10	528	3,970	5,130	9,660	14,100	11,300	3,090	1,800	7,160	2,420	1,740	17,800
11	507	3,100	5,910	8,460	11,100	9,460	2,780	1,600	6,430	2,240	1,300	10,800
12	483	2,950	7,220	7,520	10,100	7,980	2,830	1,390	6,270	3,490	1,070	7,000
13	471	4,250	7,050	6,830	9,270	6,520	8,450	1,250	6,260	3,260	1,170	4,500
14	474	5,260	6,880	5,920	8,390	5,410	23,000	1,240	5,800	2,490	1,700	2,880
15	537	5,460	7,440	4,700	7,780	4,370	25,900	1,130	5,170	2,210	1,960	2,150
16	1,110	5,620	7,830	3,950	7,260	3,640	18,700	1,090	5,800	2,280	1,500	1,660
17	1,370	6,530	9,000	3,470	6,900	3,840	12,400	1,630	6,830	2,470	1,110	16,400
18	1,260	7,020	10,400	4,740	6,230	4,210	8,590	2,150	5,200	2,340	886	36,500
19	1,200	10,600	11,000	13,200	4,580	3,800	6,710	1,860	3,400	1,570	755	36,600
20	1,110	21,400	9,960	16,200	3,140	3,560	5,630	1,840	2,760	1,220	676	21,400
21	959	23,700	8,170	12,500	2,960	4,230	4,770	1,880	2,350	1,110	662	9,900
22	827	14,900	6,780	9,490	2,820	4,220	6,070	1,920	1,980	1,460	601	7,920
23	743	10,500	6,280	e7,770	2,620	4,350	7,440	1,520	1,680	2,310	561	6,710
24	674	8,580	8,660	e5,570	2,440	4,150	6,190	1,300	1,640	1,910	593	5,770
25	612	7,600	11,000	e5,160	2,240	3,790	4,940	1,820	5,860	1,670	751	5,250
26	654	6,430	11,000	4,870	2,100	3,500	6,700	1,960	11,100	2,550	920	4,710
27	1,080	5,450	9,430	e5,500	1,970	3,240	6,680	7,770	6,730	10,300	905	3,600
28	1,040	8,720	7,380	e5,300	1,910	2,970	6,270	28,700	4,660	10,000	804	2,820
29	1,350	13,200	6,030	4,880	1,840	2,780	5,650	32,900	3,520	5,960	775	2,150
30	1,610	10,600	e6,200	4,590	---	5,090	4,530	27,700	2,510	3,460	766	1,720
31	1,650	---	e6,950	4,240	---	5,950	---	36,800	---	3,120	835	---
TOTAL	27,679	220,206	228,780	337,150	292,150	206,330	217,670	195,000	304,000	99,520	48,810	243,621
MEAN	893	7,340	7,380	10,880	10,070	6,656	7,256	6,290	10,130	3,210	1,575	8,121
MAX	1,650	23,700	11,000	33,700	44,600	28,900	25,900	36,800	43,500	10,300	5,720	36,600
MIN	471	996	4,350	3,470	1,840	1,720	2,780	1,090	1,640	1,110	561	572

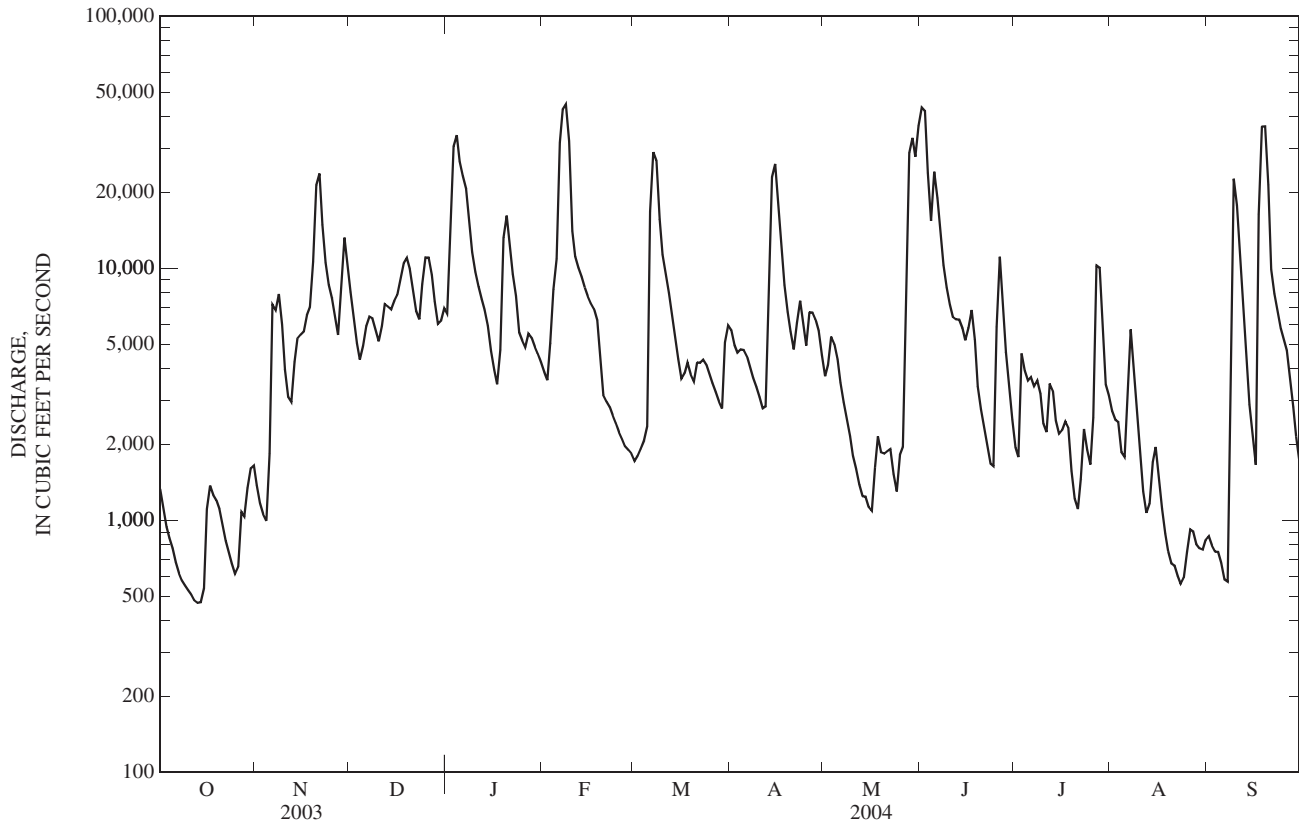
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	1,402	5,552	7,379	6,900	13,670	5,696	9,532	6,977	10,220	2,097	1,537	3,740
MAX	1,910	7,340	7,380	10,880	17,400	6,656	11,810	7,664	10,310	3,210	2,738	8,121
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)
MIN	893	3,764	7,379	2,924	10,070	4,736	7,256	6,290	10,130	1,126	298	427
(WY)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)

03282290 KENTUCKY RIVER AT LOCK 11 NEAR COLLEGE HILL, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	2,327,963		2,420,916		6,393	
ANNUAL MEAN	6,378		6,615		6,615	
HIGHEST ANNUAL MEAN					6,170	
LOWEST ANNUAL MEAN					55,900	
HIGHEST DAILY MEAN	55,900	Feb 18	44,600	Feb 8	55,900	Feb 18, 2003
LOWEST DAILY MEAN	447	Aug 29	471	Oct 13	118	Sep 12, 2002
ANNUAL SEVEN-DAY MINIMUM	507	Oct 9	507	Oct 9	137	Sep 8, 2002
MAXIMUM PEAK FLOW			45,300	Feb 8	56,500	Feb 18, 2003
MAXIMUM PEAK STAGE			29.15	Feb 8	35.06	Feb 18, 2003
10 PERCENT EXCEEDS	13,600		15,000		14,300	
50 PERCENT EXCEEDS	3,740		4,350		3,840	
90 PERCENT EXCEEDS	932		899		947	

e Estimated



03282500 RED RIVER NEAR HAZEL GREEN, KY

LOCATION.--Lat 37°48'44", long 83°27'50", Wolfe County, Hydrologic Unit 05100204, on right bank 600 ft upstream from Buck Creek, 0.3 mi downstream from Chapel Branch, 2.7 mi northwest of Hazel Green, and at mile 72.7.

DRAINAGE AREA.--65.8 mi².

PERIOD OF RECORD.--April 1954 to current year.

REVISED RECORDS.--WRD KY 72-1: 1971.

GAGE.--Water-stage recorder with telemetry, crest-stage gage, and concrete control. Datum of gage is 870.11 ft NGVD of 1929.

REMARKS.--Records good except for daily discharges below 2.0 ft³/s and for those estimated, which are poor.

Cooperation.--Kentucky Natural Resources and Environmental Protection Cabinet.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	1830	1,280	5.56	May 28	1545	1,460	6.08
Feb 6	2045	2,800	9.77	May 31	1545	*4,550	13.86
Mar 6	1345	1,620	6.52	Sep 8	2145	2,210	8.20
Apr 13	2145	1,220	5.39	Sep 18	0245	3,270	10.96

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	7.5	7.2	127	116	60	21	175	85	1,120	15	23	5.4
2	7.3	6.2	88	848	60	25	140	159	348	14	17	3.6
3	6.3	5.6	70	690	212	29	151	186	294	12	13	8.9
4	5.2	4.8	101	350	333	26	135	116	222	11	11	33
5	4.7	420	253	762	388	65	113	88	238	22	71	11
6	4.3	333	264	528	2,290	1,420	93	69	161	14	53	7.1
7	4.0	102	201	289	1,350	510	82	56	102	12	29	6.0
8	3.7	57	141	204	401	271	73	46	70	15	e19	1,550
9	3.5	41	107	153	265	177	63	40	56	10	13	1,300
10	3.1	33	125	112	194	118	54	36	44	15	11	258
11	3.2	26	221	90	140	94	49	31	37	106	8.5	125
12	3.1	226	160	82	109	74	72	27	36	40	11	78
13	3.2	304	122	80	89	64	741	23	32	24	18	56
14	3.2	99	174	e70	76	57	798	21	38	17	12	e35
15	4.8	78	230	60	67	54	432	20	46	13	7.9	38
16	7.1	72	192	53	56	61	269	19	127	10	6.5	31
17	6.8	63	277	50	51	60	182	23	48	12	5.9	1,730
18	5.5	60	236	307	46	53	127	23	35	15	5.5	2,000
19	4.5	538	200	490	43	51	98	40	73	10	5.0	313
20	3.7	385	147	254	42	49	82	77	46	8.8	4.9	162
21	3.4	173	115	167	41	124	74	47	30	7.4	5.9	98
22	3.2	107	106	120	37	107	255	37	29	10	6.2	71
23	3.1	76	109	88	32	89	380	29	32	15	5.8	55
24	2.8	85	236	78	31	79	351	23	26	9.9	6.1	44
25	2.8	97	215	67	31	68	259	20	46	9.7	8.3	39
26	2.6	83	156	76	27	59	356	21	77	75	10	32
27	5.1	70	118	91	25	55	323	300	43	606	9.4	27
28	12	277	97	78	24	51	212	1,210	30	111	8.9	24
29	12	363	82	71	e22	47	141	414	23	44	18	23
30	9.5	206	139	72	---	190	103	609	19	33	9.2	21
31	8.4	---	130	62	---	246	---	3,510	---	26	8.2	---
TOTAL	159.6	4,397.8	4,939	6,558	6,542	4,394	6,383	7,405	3,528	1,342.8	441.2	8,185.0
MEAN	5.15	147	159	212	226	142	213	239	118	43.3	14.2	273
MAX	12	538	277	848	2,290	1,420	798	3,510	1,120	606	71	2,000
MIN	2.6	4.8	70	50	22	21	49	19	19	7.4	4.9	3.6
CFSM	0.08	2.23	2.42	3.22	3.43	2.15	3.23	3.63	1.79	0.66	0.22	4.15
IN.	0.09	2.49	2.79	3.71	3.70	2.48	3.61	4.19	1.99	0.76	0.25	4.63

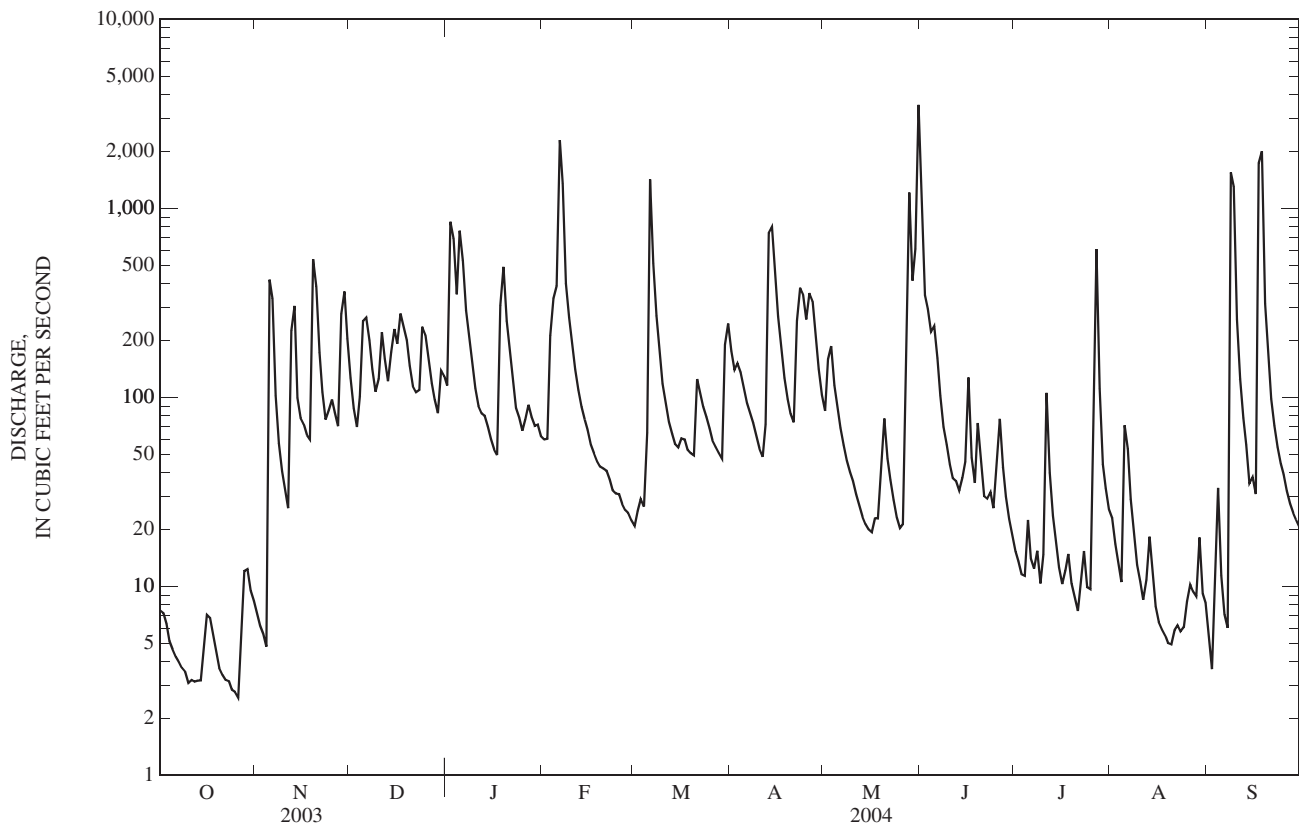
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

	MEAN	16.0	51.4	111	130	179	156	104	49.6	33.2	24.8	18.5
MAX	138	227	555	357	555	523	472	318	351	159	141	273
(WY)	(1990)	(1986)	(1979)	(1974)	(1989)	(1955)	(1972)	(1983)	(1997)	(2001)	(1974)	(2004)
MIN	0.22	0.54	2.76	17.5	27.6	49.1	16.6	13.9	1.19	0.99	0.27	0.05
(WY)	(1964)	(1956)	(1964)	(1981)	(1968)	(1969)	(1986)	(1986)	(1988)	(1999)	(1957)	(1999)

03282500 RED RIVER NEAR HAZEL GREEN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	42,216.2		54,275.4		88.3	
ANNUAL MEAN	116		148		153	
HIGHEST ANNUAL MEAN					39.6	
LOWEST ANNUAL MEAN					6,170	
HIGHEST DAILY MEAN	3,510	Feb 16	3,510	May 31	Dec 9, 1978	1994
LOWEST DAILY MEAN	2.6	Oct 26	2.6	Oct 26	Sep 14, 1954	1969
ANNUAL SEVEN-DAY MINIMUM	3.1	Oct 20	3.1	Oct 20	Sep 12, 1955	
MAXIMUM PEAK FLOW			4,550	May 31	Feb 27, 1962	
MAXIMUM PEAK STAGE			13.86	May 31	22.12	Feb 27, 1962
INSTANTANEOUS LOW FLOW					0.00	Sep 14, 1954
ANNUAL RUNOFF (CFSM)	1.76		2.25		1.34	
ANNUAL RUNOFF (INCHES)	23.87		30.68		18.24	
10 PERCENT EXCEEDS	264		316		203	
50 PERCENT EXCEEDS	50		58		31	
90 PERCENT EXCEEDS	6.2		6.3		1.5	

e Estimated



03283500 RED RIVER AT CLAY CITY, KY

LOCATION.--Lat 37°51'53", long 83°56'01", Powell County, Hydrologic Unit 05100204, on right bank 25 ft upstream from bridge on State Highway 15, 0.1 mi downstream from Skinner Branch, 0.4 mi upstream from Brush Creek, 0.5 mi west of Clay City, and at mile 21.6.

DRAINAGE AREA.--362 mi².

PERIOD OF RECORD.--October 1930 to March 1932, April 1938 to current year. Monthly discharge only for October 1930, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1931-32. WSP 1385: Drainage area.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 600.47 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Aug. 14, 1939, nonrecording gages, Aug. 14, 1939, to Aug. 13, 1975, water-stage recorder at site 50 ft downstream at same datum.

REMARKS.--Records good except for periods of estimated record, which are poor. Flow diversions by Clay City Water Plant, which can be significant during low-flow periods.

COOPERATION.--U.S. Army Corps of Engineers, Louisville District and Kentucky River Authority.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 7	unknown	11,500	19.42	May 31	2100	*22,000	*24.08
Mar 7	unknown	unknown	unknown	Sep 9	2300	10,200	18.68
May 29	1300	6,670	16.25	Sep 18	1500	12,800	20.05

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	107	126	812	e550	431	233	792	458	16,200	181	562	130
2	96	110	591	e4,200	441	351	658	795	7,700	159	287	97
3	84	100	483	e2,800	915	322	658	1,100	1,850	143	203	78
4	72	92	482	e1,800	1,440	303	610	711	1,160	132	166	108
5	65	270	763	e3,700	1,430	520	540	541	1,390	122	506	173
6	61	1,320	1,040	3,280	e5,990	e4,900	490	450	1,030	116	682	127
7	56	711	850	1,590	e11,000	e5,600	457	378	730	164	368	89
8	52	429	682	1,010	e5,300	1,930	434	323	535	174	253	1,930
9	49	326	563	803	1,470	973	404	274	446	127	189	6,530
10	46	262	530	664	1,040	748	367	238	373	106	158	7,960
11	43	225	792	552	840	604	339	230	326	214	317	1,500
12	41	1,160	724	522	708	531	417	214	293	1,040	181	598
13	38	e4,400	593	511	610	472	1,480	178	439	480	227	472
14	37	1,710	846	480	540	431	2,810	157	422	303	200	376
15	45	707	1,070	455	497	412	2,040	146	394	222	150	315
16	65	630	906	422	456	407	1,160	146	1,150	169	116	268
17	72	542	1,550	392	416	417	783	153	679	160	97	3,170
18	56	573	1,350	868	394	389	596	160	419	207	85	9,960
19	51	2,110	1,100	1,770	373	363	484	982	413	191	76	8,910
20	45	2,180	842	1,120	362	370	421	1,330	507	141	69	2,180
21	41	1,100	674	744	357	924	390	565	354	112	166	685
22	38	692	617	620	335	744	1,160	363	287	135	181	481
23	35	527	683	526	306	588	2,010	279	367	190	117	380
24	34	521	e1,150	483	293	519	1,640	226	341	209	86	320
25	33	610	e1,000	457	286	475	1,140	224	401	133	73	275
26	77	519	e900	586	268	435	1,780	229	581	186	69	238
27	386	462	e700	710	255	408	1,560	1,840	462	445	66	210
28	367	1,980	e600	609	246	387	960	4,770	329	898	65	188
29	245	2,430	e530	520	236	370	679	6,080	260	350	184	171
30	194	1,280	e750	508	---	1,260	530	3,320	216	237	368	156
31	153	---	e580	411	---	1,060	---	14,600	---	391	205	---
TOTAL	2,784	28,104	24,753	33,663	37,235	27,446	27,789	41,460	40,054	7,837	6,472	48,075
MEAN	89.8	937	798	1,086	1,284	885	926	1,337	1,335	253	209	1,602
MAX	386	4,400	1,550	4,200	11,000	5,600	2,810	14,600	16,200	1,040	682	9,960
MIN	33	92	482	392	236	233	339	146	216	106	65	78

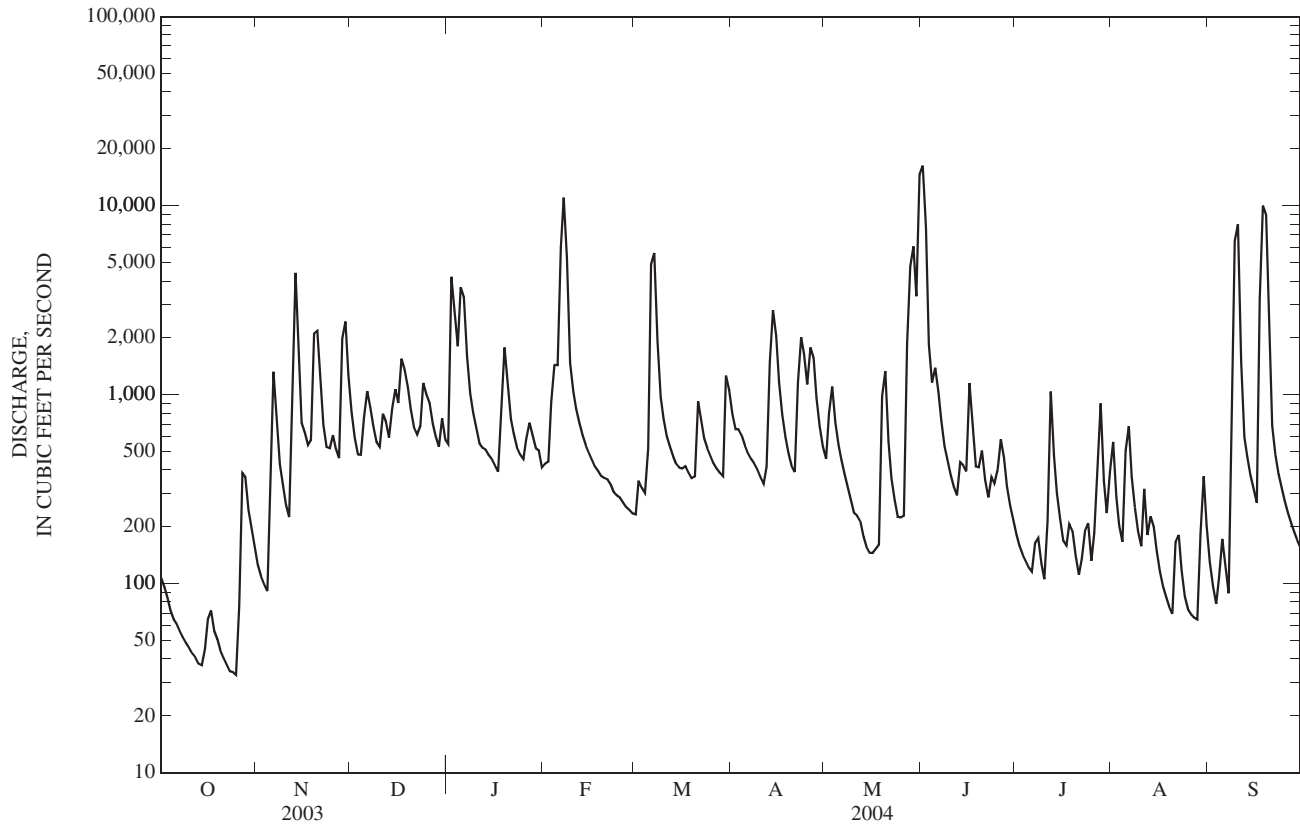
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	89.2	278	597	770	1,014	1,065	822	559	325	269	180	127
MAX	928	1,220	3,036	2,634	3,564	3,048	2,406	1,943	2,246	1,845	1,179	1,602
(WY)	(1990)	(1987)	(1979)	(1950)	(1989)	(1955)	(1972)	(1995)	(1997)	(1938)	(1938)	(2004)
MIN	4.41	9.75	19.7	43.2	127	258	110	54.6	23.9	5.01	18.2	6.15
(WY)	(1964)	(1954)	(1954)	(1931)	(1954)	(1969)	(1986)	(1941)	(1988)	(1944)	(1957)	(1984)

03283500 RED RIVER AT CLAY CITY, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	249,443		325,672		501	
ANNUAL MEAN	683		890		890	
HIGHEST ANNUAL MEAN					158	
LOWEST ANNUAL MEAN					26,100	
HIGHEST DAILY MEAN	18,200	Feb 17	16,200	Jun 1	26,100	Dec 9, 1978
LOWEST DAILY MEAN	33	Oct 25	33	Oct 25	1.2	Aug 10, 1944
ANNUAL SEVEN-DAY MINIMUM	40	Oct 19	40	Oct 19	2.0	Oct 2, 1930
MAXIMUM PEAK FLOW			22,000	May 31	28,800	Dec 9, 1978
MAXIMUM PEAK STAGE			24.08	May 31	26.75	Dec 9, 1978
INSTANTANEOUS LOW FLOW					1.2	Aug 10, 1944
10 PERCENT EXCEEDS	1,390		1,730		1,170	
50 PERCENT EXCEEDS	377		434		184	
90 PERCENT EXCEEDS	61		97		22	

e Estimated



03284000 KENTUCKY RIVER AT LOCK 10 NEAR WINCHESTER, KY

LOCATION.--Lat 37°53'41", long 84°15'44", Madison County, Hydrologic Unit 05100205, on left bank at lock 10, 0.9 mi downstream from Otter Creek, 8.0 mi southwest of Winchester, and at mile 176.4.

DRAINAGE AREA.--3,955 mi².

PERIOD OF RECORD.--October 1907 to current year.

REVISED RECORDS.--WSP 1275: 1908-52. 1955: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 557.37 ft above sea level (Ohio River datum) or 556.76 ft NGVD of 1929. Feb. 2, 1940 to Aug. 10, 1943, water-stage recorder 1.1 mi upstream at different datum. Aug. 11, 1943 to June 12, 1978, nonrecording gage at present site and datum.

REMARKS.--Records fair. Flow regulated since December 1960 by Buckhorn Lake (station 03280800), since January 1976 by Carr Fork Lake (station 03277446),..

COOPERATION.--Kentucky River Authority and U.S. Army Corps of Engineers, Louisville District.

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

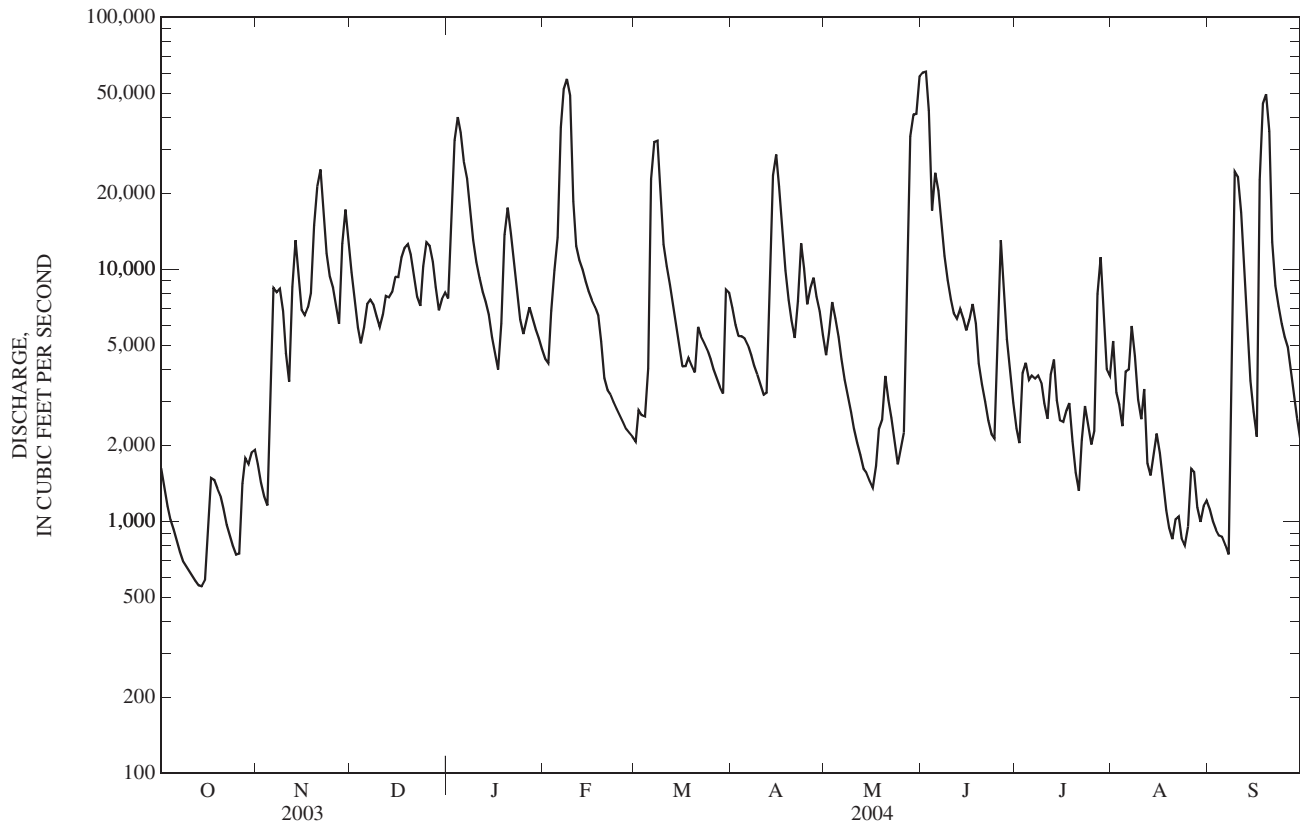
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,630	1,690	9,720	7,660	4,420	2,070	7,040	4,560	60,300	2,340	5,190	1,120
2	1,370	1,420	7,460	18,000	4,240	2,760	6,010	5,590	60,800	2,040	3,240	1,000
3	1,150	1,250	5,870	32,500	6,840	2,630	5,430	7,420	42,600	3,870	2,900	924
4	1,020	1,160	5,090	40,200	9,910	2,610	5,420	6,390	17,100	4,250	2,380	878
5	929	3,420	5,890	34,900	13,400	4,040	5,310	5,390	24,200	3,640	3,920	869
6	835	8,440	7,260	26,700	36,600	22,800	5,000	4,410	20,500	3,790	4,000	807
7	754	8,130	7,570	22,900	51,800	32,000	4,560	3,650	15,600	3,690	5,950	738
8	697	8,380	7,260	17,300	56,900	32,300	4,150	3,130	11,300	3,800	4,530	7,610
9	665	6,840	6,520	13,100	49,000	18,800	3,820	2,710	9,040	3,560	3,040	24,500
10	634	4,640	5,910	10,700	18,600	12,600	3,490	2,330	7,590	2,930	2,540	23,200
11	606	3,580	6,610	9,230	12,400	10,300	3,170	2,050	6,700	2,550	3,340	16,800
12	581	8,520	7,830	8,120	10,800	8,670	3,230	1,830	6,370	3,830	1,700	8,420
13	558	13,000	7,740	7,440	9,970	7,090	10,600	1,620	6,940	4,380	1,520	5,370
14	554	9,490	8,120	6,600	8,920	5,900	23,600	1,560	6,350	3,020	1,850	3,620
15	586	6,920	9,340	5,370	8,170	4,900	28,500	1,450	5,720	2,510	2,230	2,730
16	963	6,580	9,320	4,580	7,550	4,130	21,300	1,360	6,340	2,480	1,870	2,170
17	1,490	7,080	11,100	4,000	7,100	4,130	14,200	1,660	7,300	2,750	1,420	22,700
18	1,460	8,040	12,200	6,080	6,550	4,450	9,880	2,330	6,100	2,950	1,110	45,400
19	1,350	14,900	12,600	13,700	5,170	4,160	7,550	2,530	4,230	2,080	941	49,500
20	1,270	21,300	11,400	17,600	3,700	3,900	6,260	3,770	3,500	1,560	851	35,300
21	1,120	24,900	9,480	13,900	3,320	5,900	5,350	3,010	2,990	1,320	1,020	12,800
22	966	17,100	7,770	10,800	3,180	5,420	7,510	2,570	2,510	2,110	1,050	8,620
23	872	11,600	7,160	8,090	2,980	5,120	12,700	2,070	2,220	2,870	857	7,130
24	800	9,360	10,300	6,320	2,800	4,800	10,100	1,690	2,130	2,410	804	6,050
25	740	8,460	12,800	5,540	2,630	4,410	7,260	1,960	5,550	2,020	953	5,390
26	746	7,180	12,400	6,230	2,470	4,020	8,420	2,250	13,000	2,280	1,620	4,900
27	1,410	6,080	10,700	7,070	2,330	3,710	9,270	7,280	7,950	7,980	1,570	3,940
28	1,790	12,600	8,510	6,370	2,240	3,420	7,800	33,700	5,280	11,200	1,140	3,120
29	1,690	17,300	6,870	5,740	2,170	3,210	6,810	41,100	3,960	6,930	997	2,550
30	1,880	13,400	7,630	5,330	---	8,310	5,480	41,300	2,950	4,020	1,150	2,110
31	1,920	---	8,100	4,830	---	8,070	---	58,100	---	3,780	1,210	---
TOTAL	33,036	272,760	266,530	386,900	356,160	246,630	259,220	260,770	377,120	108,940	66,893	310,266
MEAN	1,066	9,092	8,598	12,480	12,280	7,956	8,641	8,412	12,570	3,514	2,158	10,340
MAX	1,920	24,900	12,800	40,200	56,900	32,300	28,500	58,100	60,800	11,200	5,950	49,500
MIN	554	1,160	5,090	4,000	2,170	2,070	3,170	1,360	2,130	1,320	804	738

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	1,481	3,362	6,772	8,526	10,170	11,760	9,316	6,709	3,804	1,842	1,554	1,371
MAX	12,850	10,270	23,400	25,490	25,060	27,650	26,100	19,600	15,220	4,640	4,916	10,340
(WY)	(1990)	(1987)	(1979)	(1974)	(1989)	(1975)	(1972)	(1984)	(1997)	(1992)	(1992)	(2004)
MIN	177	359	416	446	2,011	3,125	1,177	1,031	265	292	258	102
(WY)	(1970)	(2002)	(1966)	(1981)	(1968)	(1988)	(1986)	(1976)	(1988)	(1970)	(1986)	(1999)

03284000 KENTUCKY RIVER AT LOCK 10 NEAR WINCHESTER, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	2,793,829		2,945,225		5,533	
ANNUAL MEAN	7,654		8,047		9,815	
HIGHEST ANNUAL MEAN					2,228	
LOWEST ANNUAL MEAN					99,100	
HIGHEST DAILY MEAN	78,700	Feb 18	60,800	Jun 2	99,100	Dec 10, 1978
LOWEST DAILY MEAN	543	Aug 29	554	Oct 14	22	Oct 1, 1999
ANNUAL SEVEN-DAY MINIMUM	598	Oct 9	598	Oct 9	72	Sep 7, 1999
MAXIMUM PEAK FLOW			62,600	Jun 2	101,000	Dec 10, 1978
MAXIMUM PEAK STAGE			26.29	Jun 2	40.15	Dec 10, 1978
10 PERCENT EXCEEDS	17,200		17,400		13,900	
50 PERCENT EXCEEDS	4,380		5,240		2,400	
90 PERCENT EXCEEDS	1,010		1,150		342	



03284230 KENTUCKY RIVER AT LOCK 9 AT VALLEY VIEW, KY

LOCATION.--Lat 37°50'36", long 84°26'27", Madison County, Hydrologic Unit 05100205, at Lock and Dam No. 9 at Valley View, 1.0 mi below Tate Creek, and at mile 157.9.

DRAINAGE AREA.--4,101 mi².

PERIOD OF RECORD.--October 1999 to current year.

REVISIONS.--Peak discharge for the water year 2001 has been revised to 34,800 ft³/s February 18, 2001 based on rating number 2.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 538.71 ft above NGVD of 1929.

REMARKS.--Records good except for those estimated, which are fair. Flow regulated by Buckhorn Lake beginning December 1960 (station 03280800), and by Carr Fork Lake beginning January 1976 (station 03277446). Small diversions by City of Lexington waterworks.

COOPERATION.--Kentucky River Authority.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 61,900 ft³/s, June 2, gage height, 29.82 ft; minimum discharge, 526 ft³/s, Oct. 14, gage height, 10.84 ft.

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	1,710	1,840	11,200	8,760	4,980	2,310	8,270	5,210	e61,100	2,540	6,460	1,190
2	1,460	1,550	8,610	20,000	4,750	3,030	7,040	6,190	61,300	2,120	3,900	1,060
3	1,220	1,350	6,750	34,100	7,400	3,070	6,250	8,540	50,700	3,470	3,270	956
4	1,070	1,220	5,780	42,900	10,900	2,970	6,130	7,390	19,100	4,640	2,760	883
5	959	3,320	6,540	41,000	14,300	4,000	6,020	6,240	24,800	3,810	5,550	867
6	865	9,010	8,040	29,900	37,900	25,600	5,680	5,080	22,300	3,880	4,590	812
7	774	9,100	8,500	25,500	53,100	34,400	5,180	4,150	17,000	3,860	6,420	731
8	706	8,940	8,180	19,300	58,000	36,600	4,670	3,510	12,400	3,810	5,340	5,450
9	664	7,730	7,400	14,600	55,100	22,300	4,290	2,990	10,000	3,640	3,580	25,300
10	638	5,260	6,700	12,000	24,300	14,400	3,930	2,680	8,380	3,060	2,750	25,300
11	607	3,940	7,290	10,400	14,200	11,800	3,570	2,870	7,320	2,540	4,260	19,200
12	583	10,100	8,570	9,180	12,400	10,100	3,460	2,090	7,320	3,320	2,030	10,000
13	564	16,700	8,700	8,410	11,400	8,320	10,500	1,720	8,450	4,690	1,550	6,280
14	554	11,100	8,910	7,540	10,300	6,920	24,600	1,580	7,270	3,530	1,760	4,200
15	567	8,190	10,500	6,210	9,460	5,770	31,400	1,520	6,470	2,700	2,240	3,040
16	782	7,480	10,700	5,210	8,730	4,790	24,300	1,410	6,690	2,550	2,010	2,350
17	1,370	7,830	12,700	4,520	8,190	4,610	16,100	1,520	7,810	3,170	1,510	26,900
18	1,470	8,850	13,500	6,270	7,640	4,950	11,400	2,300	7,210	3,390	1,150	47,300
19	1,370	16,700	13,900	13,900	6,250	4,750	8,730	2,970	5,090	2,340	950	51,500
20	1,290	22,200	12,800	18,900	4,510	4,420	7,180	4,220	4,030	1,640	841	41,400
21	1,160	27,100	10,800	15,500	3,860	6,700	6,150	3,570	3,370	1,340	1,080	15,600
22	992	19,500	8,910	12,200	3,680	6,360	7,980	2,890	2,740	2,180	1,170	9,820
23	887	12,900	8,090	9,370	3,440	5,890	15,000	2,310	2,380	3,270	907	8,080
24	795	10,500	10,900	7,320	3,220	5,510	12,300	1,820	2,150	2,660	791	6,800
25	733	9,480	13,900	6,320	2,960	5,050	8,810	1,930	5,810	2,190	996	6,010
26	717	8,110	13,600	6,870	2,800	4,600	9,270	2,410	14,900	2,140	1,860	5,450
27	1,200	6,880	12,100	8,300	2,630	4,240	10,600	7,120	9,490	7,050	2,040	4,470
28	1,860	13,700	9,790	7,450	2,500	3,920	8,950	36,700	6,200	12,200	1,350	3,510
29	1,730	19,100	7,890	6,670	2,420	3,650	7,800	43,200	4,570	8,200	1,720	2,810
30	1,900	15,200	8,470	6,120	---	8,890	6,350	e42,700	3,400	4,760	1,330	2,270
31	2,000	---	9,240	5,520	---	9,630	---	e60,400	---	4,310	1,330	---
TOTAL	33,197	304,880	298,960	430,240	391,320	279,550	291,910	279,230	409,750	115,000	77,495	339,539
MEAN	1,071	10,160	9,644	13,880	13,490	9,018	9,730	9,007	13,660	3,710	2,500	11,320
MAX	2,000	27,100	13,900	42,900	58,000	36,600	31,400	60,400	61,300	12,200	6,460	51,500
MIN	554	1,220	5,780	4,520	2,420	2,310	3,460	1,410	2,150	1,340	791	731

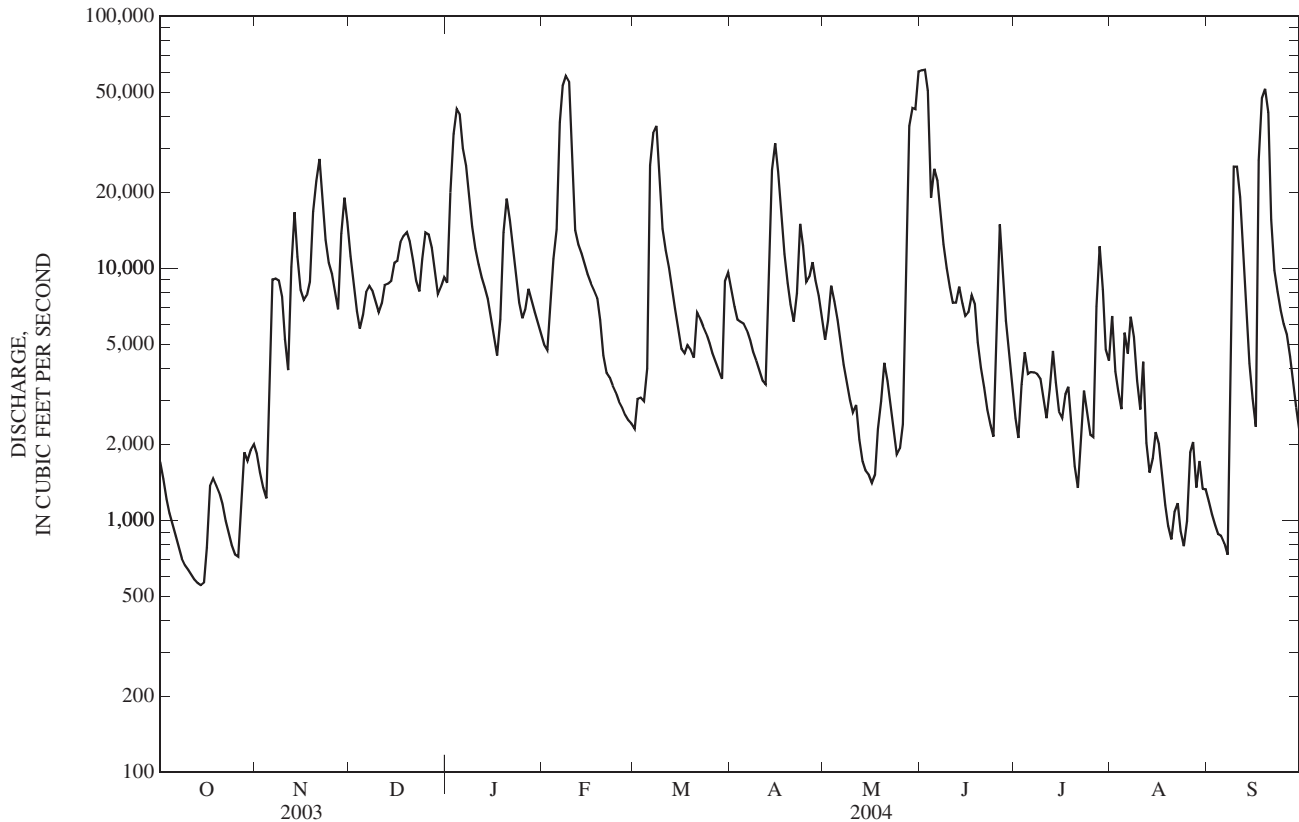
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1,033	3,484	5,175	5,930	11,600	8,280	9,054	7,117	6,519	2,963	2,341	3,194
MAX	2,952	10,160	9,644	13,880	23,030	13,990	13,090	12,320	13,660	4,145	3,933	11,320
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2002)	(2003)	(2002)	(2004)	(2001)	(2001)	(2004)
MIN	256	366	1,317	1,452	3,892	4,572	3,631	1,652	2,056	1,195	287	392
(WY)	(2000)	(2002)	(2000)	(2000)	(2002)	(2000)	(2001)	(2001)	(2000)	(2002)	(2002)	(2002)

03284230 KENTUCKY RIVER AT LOCK 9 AT VALLEY VIEW, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	2,920,694		3,251,071		5,515	
ANNUAL MEAN	8,002		8,883		8,883	
HIGHEST ANNUAL MEAN					2,909	
LOWEST ANNUAL MEAN					71,800	
HIGHEST DAILY MEAN	71,800	Feb 18	61,300	Jun 2	71,800	Feb 18, 2003
LOWEST DAILY MEAN	451	Aug 29	554	Oct 14	40	Oct 1, 1999
ANNUAL SEVEN-DAY MINIMUM	597	Oct 9	597	Oct 9	67	Oct 1, 1999
MAXIMUM PEAK FLOW			63,200	May 31	72,600	Feb 18, 2003
MAXIMUM PEAK STAGE			30.80	May 31	36.12	Feb 18, 2003
10 PERCENT EXCEEDS	18,100		19,400		13,100	
50 PERCENT EXCEEDS	5,010		5,950		2,440	
90 PERCENT EXCEEDS	958		1,220		393	

e Estimated



03284500 KENTUCKY RIVER AT LOCK 8 NEAR CAMP NELSON, KY

LOCATION.--Lat 37°44'43", long 84°35'12", Jessamine County, Hydrologic Unit 05100205, on right bank at Lock and Dam No. 8, 1.5 mi downstream from Davis Creek, 1.8 mi upstream from Canoe Creek, 2.4 mi Southeast of Camp Nelson, and at mile 139.9.

DRAINAGE AREA.--4414 mi² of which 45.1 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--July 1939 to September 1971, July 2002 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 520.51 ft above NGVD of 1929.

REMARKS.-- 2002 Wy: Records good except for those estimated and flows below 500 ft³/s, which are poor.

2003 Wy: Records good except for those estimated and flows below 500 ft³/s, which are poor.

2004 Wy: Records good except for those estimated and flows below 500 ft³/s, which are poor.

Flow regulated by Buckhorn Lake beginning December 1960 (station 03280800), and by Carr Fork Lake beginning January 1976 (station 03277446), Small diversion by City of Lexington Waterworks.

COOPERATION.--Kentucky River Authority.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	551	229
2	---	---	---	---	---	---	---	---	---	---	504	255
3	---	---	---	---	---	---	---	---	---	---	501	228
4	---	---	---	---	---	---	---	---	---	---	467	201
5	---	---	---	---	---	---	---	---	---	---	398	176
6	---	---	---	---	---	---	---	---	---	---	329	160
7	---	---	---	---	---	---	---	---	---	---	265	150
8	---	---	---	---	---	---	---	---	---	---	222	142
9	---	---	---	---	---	---	---	---	---	---	e194	134
10	---	---	---	---	---	---	---	---	---	---	e170	124
11	---	---	---	---	---	---	---	---	---	---	e157	115
12	---	---	---	---	---	---	---	---	---	---	e148	106
13	---	---	---	---	---	---	---	---	---	---	e140	98
14	---	---	---	---	---	---	---	---	---	---	e134	92
15	---	---	---	---	---	---	---	---	---	---	e130	90
16	---	---	---	---	---	---	---	---	---	---	e128	99
17	---	---	---	---	---	---	---	---	---	---	e130	110
18	---	---	---	---	---	---	---	---	---	---	e130	118
19	---	---	---	---	---	---	---	---	---	1,270	e134	122
20	---	---	---	---	---	---	---	---	---	1,180	e146	125
21	---	---	---	---	---	---	---	---	---	1,290	e167	148
22	---	---	---	---	---	---	---	---	---	1,600	214	166
23	---	---	---	---	---	---	---	---	---	2,160	251	178
24	---	---	---	---	---	---	---	---	---	1,840	264	182
25	---	---	---	---	---	---	---	---	---	1,540	253	229
26	---	---	---	---	---	---	---	---	---	1,320	232	552
27	---	---	---	---	---	---	---	---	---	1,250	214	1,120
28	---	---	---	---	---	---	---	---	---	1,150	195	2,150
29	---	---	---	---	---	---	---	---	---	1,020	184	2,430
30	---	---	---	---	---	---	---	---	---	838	185	2,110
31	---	---	---	---	---	---	---	---	---	649	197	---
TOTAL	---	---	---	---	---	---	---	---	---	---	7,334	12,139
MEAN	---	---	---	---	---	---	---	---	---	---	237	405
MAX	---	---	---	---	---	---	---	---	---	551	2,430	---
MIN	---	---	---	---	---	---	---	---	---	128	90	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2002, BY WATER YEAR (WY)

MEAN	625	2,349	5,901	9,129	12,060	13,760	9,542	5,559	2,656	2,586	1,732	765
MAX	2,784	9,098	18,790	27,160	31,030	39,250	19,030	16,600	9,681	9,455	10,480	4,469
(WY)	(1965)	(1943)	(1952)	(1950)	(1956)	(1955)	(1948)	(1971)	(1950)	(1942)	(1942)	(1950)
MIN	45.8	63.5	92.4	1,192	1,081	3,971	2,909	814	417	95.0	137	87.8
(WY)	(1954)	(1954)	(1954)	(1940)	(1954)	(1969)	(1963)	(1941)	(1966)	(1944)	(1957)	(1955)

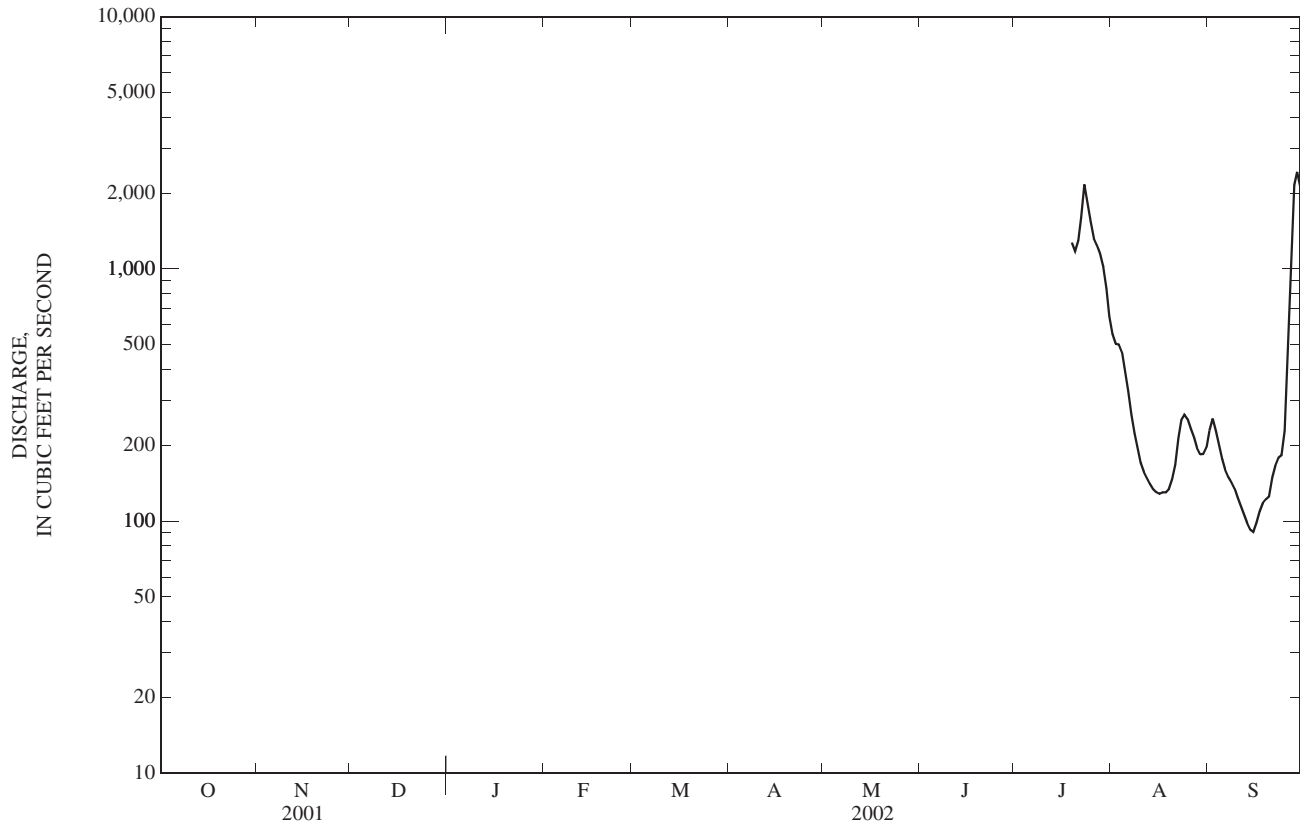
03284500 KENTUCKY RIVER AT LOCK 8 NEAR CAMP NELSON, KY—Continued

SUMMARY STATISTICS

WATER YEARS 1926 - 2002

ANNUAL MEAN	5,530	
HIGHEST ANNUAL MEAN	8,642	1950
LOWEST ANNUAL MEAN	2,119	1954
HIGHEST DAILY MEAN	92,300	Mar 2, 1962
LOWEST DAILY MEAN	35	Oct 12, 1953
ANNUAL SEVEN-DAY MINIMUM	38	Oct 10, 1953
MAXIMUM PEAK FLOW	92,800	Mar 2, 1962
MAXIMUM PEAK STAGE	40.30	Mar 2, 1962
10 PERCENT EXCEEDS	14,300	
50 PERCENT EXCEEDS	1,930	
90 PERCENT EXCEEDS	250	

e Estimated



03284500 KENTUCKY RIVER AT LOCK 8 NEAR CAMP NELSON, KY—Continued

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	1,570	8,280	2,040	5,940	5,930	13,800	3,090	3,110	3,690	1,880	3,970	2,610
2	1,120	5,020	1,900	8,610	6,010	13,200	3,370	2,930	3,200	1,700	2,890	4,110
3	852	3,580	1,720	10,100	5,570	12,500	3,640	2,910	3,260	1,660	2,510	7,480
4	671	2,830	1,560	10,300	7,140	11,500	3,490	3,040	4,170	1,590	4,700	9,290
5	549	4,080	1,510	8,960	10,000	10,100	3,440	13,500	3,660	1,410	14,800	15,000
6	430	12,100	1,590	7,490	11,900	9,210	3,560	21,400	3,430	1,230	13,700	19,100
7	362	10,300	3,090	6,360	10,000	8,720	7,760	12,200	31,700	1,200	8,900	8,730
8	314	8,040	4,890	5,530	8,230	8,200	17,900	9,660	27,800	1,140	6,250	4,950
9	283	5,750	4,560	4,850	6,660	7,560	31,400	27,100	22,600	1,100	5,210	3,150
10	1,200	8,010	4,250	4,330	5,640	7,100	37,400	28,300	14,700	2,020	4,530	2,320
11	20,400	17,000	5,900	3,870	5,200	6,700	41,100	22,100	8,920	3,560	3,480	1,870
12	10,100	14,600	9,510	3,400	4,990	6,020	42,100	13,900	9,590	4,410	4,120	1,530
13	4,650	10,100	13,400	2,930	4,750	5,330	40,600	8,910	10,400	6,310	2,930	1,250
14	2,890	7,060	30,500	2,610	4,510	4,800	29,100	6,590	15,200	5,650	2,220	1,060
15	2,160	5,510	36,100	2,360	33,100	4,330	16,200	5,010	29,700	4,830	1,790	930
16	2,530	7,530	29,200	2,200	62,600	3,740	12,600	6,460	27,300	6,230	1,830	819
17	2,570	7,510	16,000	2,060	74,700	3,250	11,600	10,300	33,100	3,780	1,580	726
18	2,240	6,580	11,400	1,940	76,500	3,010	14,400	16,900	31,500	2,410	1,330	670
19	2,060	5,660	8,950	1,830	77,100	3,880	14,600	22,000	31,100	1,890	1,380	634
20	1,940	5,110	10,200	1,770	70,300	13,400	15,700	19,000	31,100	1,550	1,430	633
21	1,790	4,640	10,100	1,800	39,300	7,500	14,000	16,400	25,700	1,310	1,490	596
22	1,650	4,250	11,100	1,820	25,000	5,080	13,400	13,000	16,000	1,130	1,290	635
23	1,510	4,050	9,860	1,740	35,400	4,140	11,700	12,600	11,200	1,020	1,030	1,010
24	1,320	3,770	7,970	1,590	39,900	3,520	9,460	11,200	9,060	1,200	869	1,720
25	1,150	3,440	7,790	1,400	36,500	3,050	7,630	8,200	7,710	1,530	764	2,440
26	1,090	3,130	8,550	1,290	23,100	2,830	6,530	6,240	5,310	1,710	651	2,120
27	1,060	2,890	9,630	1,290	16,900	2,650	5,610	4,930	3,410	1,660	562	e1,710
28	1,450	2,690	8,810	1,310	14,800	2,500	5,110	4,140	2,610	1,410	531	e1,710
29	5,680	2,420	7,340	1,460	---	2,590	4,450	3,720	2,230	1,700	463	e1,710
30	16,700	2,180	6,110	2,490	---	2,920	3,680	4,040	2,050	1,860	586	1,770
31	14,600	---	5,230	3,920	---	2,950	---	3,950	---	2,630	1,260	---
TOTAL	106,891	188,110	290,760	117,550	721,730	196,080	434,620	343,740	431,400	72,710	99,046	102,283
MEAN	3,448	6,270	9,379	3,792	25,780	6,325	14,490	11,090	14,380	2,345	3,195	3,409
MAX	20,400	17,000	36,100	10,300	77,100	13,800	42,100	28,300	33,100	6,310	14,800	19,100
MIN	283	2,180	1,510	1,290	4,510	2,500	3,090	2,910	2,050	1,020	463	596

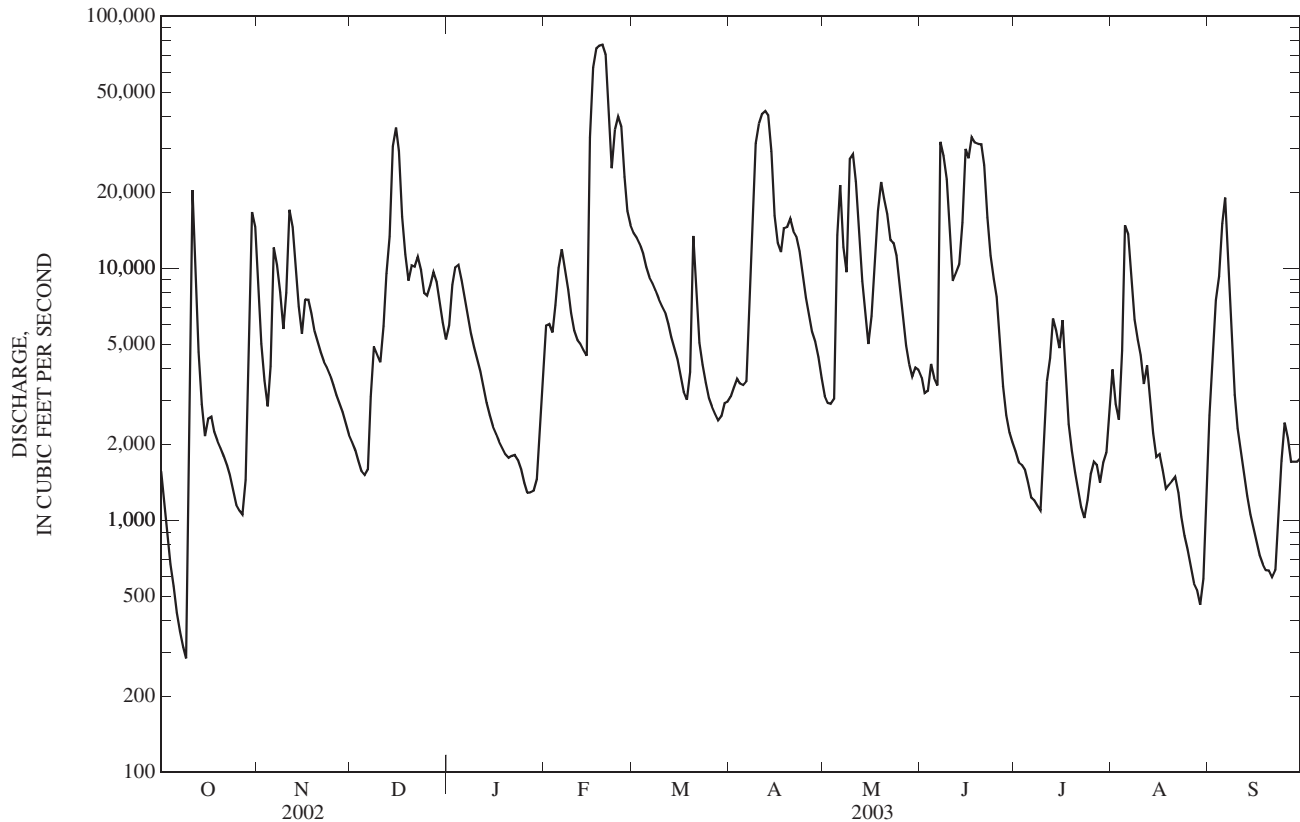
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2003, BY WATER YEAR (WY)

MEAN	711	2,468	6,007	8,967	12,480	13,530	9,691	5,727	3,012	2,579	1,775	843
MAX	3,448	9,098	18,790	27,160	31,030	39,250	19,030	16,600	14,380	9,455	10,480	4,469
(WY)	(2003)	(1943)	(1952)	(1950)	(1956)	(1955)	(1948)	(1971)	(2003)	(1942)	(1942)	(1950)
MIN	45.8	63.5	92.4	1,192	1,081	3,971	2,909	814	417	95.0	137	87.8
(WY)	(1954)	(1954)	(1954)	(1940)	(1954)	(1969)	(1963)	(1941)	(1966)	(1944)	(1957)	(1955)

03284500 KENTUCKY RIVER AT LOCK 8 NEAR CAMP NELSON, KY—Continued

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1926 - 2003	
ANNUAL TOTAL	3,104,920			
ANNUAL MEAN	8,507		5,621	
HIGHEST ANNUAL MEAN			8,642	
LOWEST ANNUAL MEAN			2,119	
HIGHEST DAILY MEAN	77,100	Feb 19	92,300	Mar 2, 1962
LOWEST DAILY MEAN	283	Oct 9	35	Oct 12, 1953
ANNUAL SEVEN-DAY MINIMUM	494	Oct 3	38	Oct 10, 1953
MAXIMUM PEAK FLOW	77,900	Feb 19	92,800	Mar 2, 1962
MAXIMUM PEAK STAGE	38.44	Feb 19	40.30	Mar 2, 1962
10 PERCENT EXCEEDS	20,800		14,500	
50 PERCENT EXCEEDS	4,510		2,020	
90 PERCENT EXCEEDS	1,220		250	

e Estimated



03284500 KENTUCKY RIVER AT LOCK 8 NEAR CAMP NELSON, KY—Continued

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	1,760	1,890	11,600	8,700	4,810	2,140	8,190	5,190	62,100	2,590	7,800	1,320
2	1,550	1,620	8,680	24,300	4,620	2,780	6,910	6,840	61,000	2,150	4,430	1,160
3	1,300	1,410	6,770	36,400	7,680	3,000	6,020	9,030	52,700	2,800	3,350	1,040
4	1,140	1,260	5,750	41,000	10,800	2,800	5,750	7,530	22,700	4,370	2,850	953
5	1,010	3,040	6,350	42,000	15,500	4,030	5,640	6,280	25,700	3,610	6,520	943
6	913	8,330	7,840	34,300	40,600	31,800	5,330	5,120	24,400	3,570	5,150	892
7	808	8,920	8,360	28,700	48,500	35,900	4,890	4,170	17,800	3,850	5,890	775
8	717	8,380	8,040	21,100	54,600	38,200	4,410	3,500	12,500	3,670	5,390	3,770
9	657	7,590	7,280	15,200	54,100	25,400	4,040	2,990	9,730	3,500	3,670	26,000
10	629	5,300	6,810	11,900	28,700	14,500	3,700	2,580	8,050	3,000	2,690	27,600
11	600	3,900	7,430	10,100	14,100	11,400	3,360	2,840	6,950	3,390	4,090	20,800
12	579	8,870	8,250	8,890	11,800	9,570	3,270	2,180	6,780	3,520	2,260	10,600
13	565	20,100	8,480	8,050	10,800	7,890	10,800	1,840	e8,800	4,640	1,640	6,320
14	555	11,400	8,750	7,250	9,640	6,530	26,500	1,680	e7,560	3,700	1,690	4,260
15	567	8,360	10,800	6,050	8,750	5,470	34,200	1,650	6,260	2,780	2,070	3,040
16	706	7,550	11,200	5,070	8,010	4,550	27,400	1,550	6,120	2,480	2,010	2,400
17	1,300	7,570	14,100	4,370	7,470	4,260	17,100	1,540	7,110	5,830	1,610	29,600
18	1,510	8,960	13,900	6,210	6,990	4,490	11,500	2,090	7,050	4,350	1,240	44,600
19	1,450	19,700	14,200	13,400	5,880	4,430	8,540	2,700	5,000	2,740	1,010	47,000
20	1,360	23,200	13,000	19,400	4,320	4,170	6,940	3,780	3,910	1,940	873	42,500
21	1,250	29,600	10,900	16,100	3,520	6,540	5,960	3,570	3,290	1,530	1,430	18,400
22	1,070	21,800	8,900	12,300	3,360	6,230	9,340	2,840	2,720	2,270	1,400	9,720
23	939	13,300	7,970	9,260	3,140	5,600	16,800	2,350	2,380	3,740	1,050	7,850
24	828	10,400	11,000	7,170	2,940	5,230	14,100	1,900	2,170	2,830	847	6,560
25	742	9,310	14,000	6,100	2,740	4,800	9,360	1,850	4,300	2,280	1,080	5,740
26	721	7,990	13,800	6,880	2,550	4,350	9,020	2,280	15,600	2,150	1,870	5,200
27	1,110	6,760	12,100	8,550	2,400	4,000	10,500	6,530	9,950	5,750	2,270	4,380
28	2,000	16,400	9,770	7,530	2,280	3,690	8,830	35,400	6,280	11,700	1,730	3,440
29	1,830	21,400	7,790	6,600	2,210	3,420	7,620	41,200	4,530	8,330	2,910	2,780
30	1,900	16,500	8,660	6,000	---	9,290	6,270	44,500	3,390	4,880	1,620	2,280
31	2,000	---	9,340	5,360	---	10,000	---	64,000	---	4,940	1,480	---
TOTAL	34,066	320,810	301,820	444,240	382,810	286,460	302,290	281,500	416,830	118,880	83,920	341,923
MEAN	1,099	10,690	9,736	14,330	13,200	9,241	10,080	9,081	13,890	3,835	2,707	11,400
MAX	2,000	29,600	14,200	42,000	54,600	38,200	34,200	64,000	62,100	11,700	7,800	47,000
MIN	555	1,260	5,750	4,370	2,210	2,140	3,270	1,540	2,170	1,530	847	775

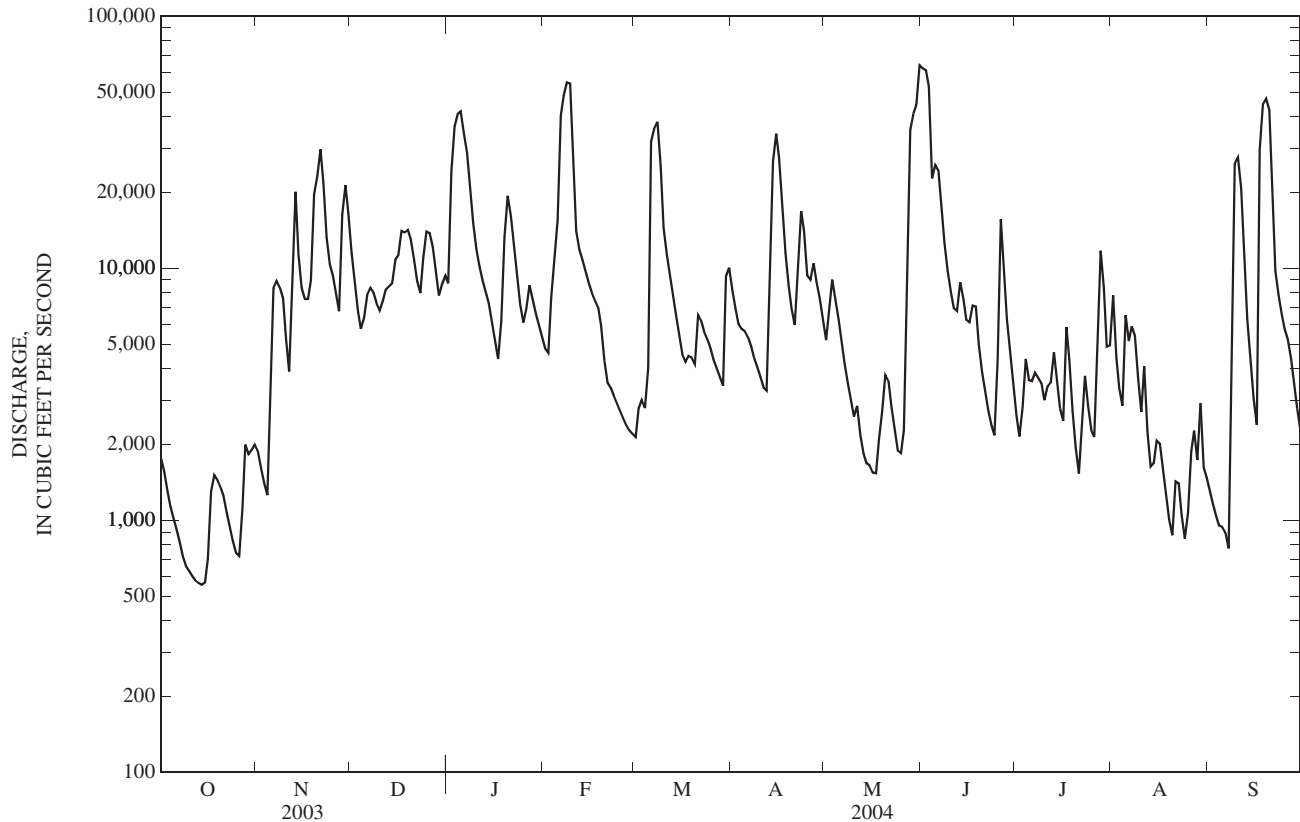
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2004, BY WATER YEAR (WY)

MEAN	722	2,710	6,116	9,125	12,500	13,410	9,703	5,825	3,332	2,616	1,802	1,144
MAX	3,448	10,690	18,790	27,160	31,030	39,250	19,030	16,600	14,380	9,455	10,480	11,400
(WY)	(2003)	(2004)	(1952)	(1950)	(1956)	(1955)	(1948)	(1971)	(2003)	(1942)	(1942)	(2004)
MIN	45.8	63.5	92.4	1,192	1,081	3,971	2,909	814	417	95.0	137	87.8
(WY)	(1954)	(1954)	(1954)	(1940)	(1954)	(1969)	(1963)	(1941)	(1966)	(1944)	(1957)	(1955)

03284500 KENTUCKY RIVER AT LOCK 8 NEAR CAMP NELSON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1926 - 2004	
ANNUAL TOTAL	3,175,855		3,315,549		5,722	
ANNUAL MEAN	8,701		9,059		2,119	
HIGHEST ANNUAL MEAN					9,059	
LOWEST ANNUAL MEAN					2,119	
HIGHEST DAILY MEAN	77,100	Feb 19	64,000	May 31	92,300	Mar 2, 1962
LOWEST DAILY MEAN	463	Aug 29	555	Oct 14	35	Oct 12, 1953
ANNUAL SEVEN-DAY MINIMUM	593	Oct 9	593	Oct 9	38	Oct 10, 1953
MAXIMUM PEAK FLOW			67,800	May 31	92,800	Mar 2, 1962
MAXIMUM PEAK STAGE			34.40	May 31	40.30	Mar 2, 1962
10 PERCENT EXCEEDS	21,400		22,100		14,700	
50 PERCENT EXCEEDS	4,950		5,750		2,130	
90 PERCENT EXCEEDS	1,090		1,350		255	

e Estimated



03284520 EAST HICKMAN CREEK AT ANDOVER VILLAGE NEAR CADENTOWN, KY

LOCATION.--Lat 37°59'50", long 84°24'20", Fayette County, Hydrologic Unit 05100205, on right wingwall, downstream side of culvert in Andover Village, 1.6 mi west of intersection of Todds Road and Walnut Hill-Chilesburg Road, and at mile 12.4.

DRAINAGE AREA.--1.58 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder with telemetry. Elevation of gage is 972.712 ft above NGVD of 1929.

REMARKS.--Records fair except for December and January, which are poor.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 65 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1630	178	4.15	Jun 25	1305	125	3.70
Jan 2	0630	96	3.39	Jul 22	0745	143	3.87
Mar 5	1920	133	3.78	Jul 31	1215	91	3.32
Apr 23	0905	91	3.32	Aug 20	2200	159	4.01
May 27	2310	162	4.03	Aug 28	2320	181	4.17
May 30	2155	*209	*4.36	Sep 17	0805	184	4.19
Jun 12	1630	86	3.26				

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	1.2	0.68	3.2	2.6	1.2	2.1	2.0	1.1	11	0.51	8.2	2.2
2	0.60	0.76	2.4	32	2.9	3.3	1.6	9.9	16	0.64	3.1	1.5
3	0.51	0.77	2.0	8.7	7.2	3.3	1.2	4.0	6.0	0.46	1.6	1.9
4	0.54	0.84	3.9	8.2	3.5	1.6	0.94	2.5	4.6	0.37	1.3	1.1
5	0.51	11	4.2	16	11	25	0.75	1.8	2.9	0.32	7.0	0.97
6	0.52	4.0	3.5	7.0	11	19	0.84	1.3	2.1	0.33	2.1	0.78
7	0.50	2.4	2.8	4.5	5.2	6.8	0.72	0.93	1.6	0.40	1.2	0.72
8	0.48	1.7	2.3	3.5	3.4	4.4	0.65	0.73	1.2	0.26	0.82	8.4
9	0.54	1.1	2.2	3.0	2.7	3.2	0.51	0.60	1.0	0.22	0.61	3.2
10	0.55	0.92	5.4	2.4	2.3	2.5	0.49	0.88	0.89	0.26	0.54	2.0
11	0.53	0.87	3.8	2.0	1.8	1.9	0.48	0.63	0.70	0.82	0.50	1.4
12	0.59	41	2.7	2.2	1.4	1.4	3.4	0.46	9.7	0.48	0.45	5.3
13	0.61	12	2.2	2.1	1.2	1.2	8.7	0.39	4.0	0.30	0.46	2.0
14	1.7	5.4	5.0	1.8	1.0	1.2	8.7	0.41	2.3	0.58	0.35	1.5
15	e0.97	6.1	4.0	1.5	0.92	1.0	4.4	1.6	1.4	0.28	0.26	1.2
16	e0.76	4.2	12	1.3	0.75	1.6	3.2	0.72	1.5	0.20	0.21	1.1
17	e0.65	3.1	10	1.3	0.68	1.0	2.3	0.56	1.3	6.3	0.18	58
18	e0.58	12	5.7	6.0	0.63	0.87	1.6	3.8	1.5	2.1	0.13	12
19	e0.55	17	4.1	3.7	0.61	0.73	1.2	7.5	5.7	0.73	0.12	6.4
20	e0.53	7.5	2.9	2.7	0.65	2.9	1.3	2.9	1.9	0.46	12	4.0
21	e0.50	4.2	2.4	2.2	0.58	2.7	2.6	1.4	1.2	0.35	12	2.9
22	e0.48	2.9	2.1	1.8	e0.55	1.5	7.4	1.2	1.4	14	2.8	2.3
23	e0.61	2.3	3.6	1.3	e0.52	1.2	17	0.78	1.1	2.3	1.4	1.7
24	e0.71	3.4	4.8	1.2	e0.50	0.96	6.6	0.50	0.62	1.1	2.2	1.2
25	e0.56	2.2	3.0	1.1	e0.48	0.80	4.6	0.55	17	0.70	2.6	1.2
26	5.7	1.7	2.3	3.4	e0.45	0.73	3.6	5.5	4.8	0.96	5.1	1.0
27	4.9	3.3	1.9	4.0	0.42	0.72	2.6	23	2.2	0.56	2.7	0.75
28	1.1	25	1.6	2.5	1.1	0.62	1.5	26	1.6	0.39	17	0.72
29	0.99	8.6	2.9	2.0	1.6	1.4	1.5	6.5	0.91	0.31	24	0.61
30	0.64	4.8	6.6	1.6	---	5.9	0.77	44	0.64	0.30	6.2	0.50
31	0.52	---	3.3	1.3	---	2.7	---	51	---	23	3.5	---
TOTAL	30.13	191.74	118.8	134.9	66.24	104.23	93.15	203.14	108.76	59.99	120.63	128.55
MEAN	0.97	6.39	3.83	4.35	2.28	3.36	3.10	6.55	3.63	1.94	3.89	4.29
MAX	5.7	41	12	32	11	25	17	51	17	23	24	58
MIN	0.48	0.68	1.6	1.1	0.42	0.62	0.48	0.39	0.62	0.20	0.12	0.50

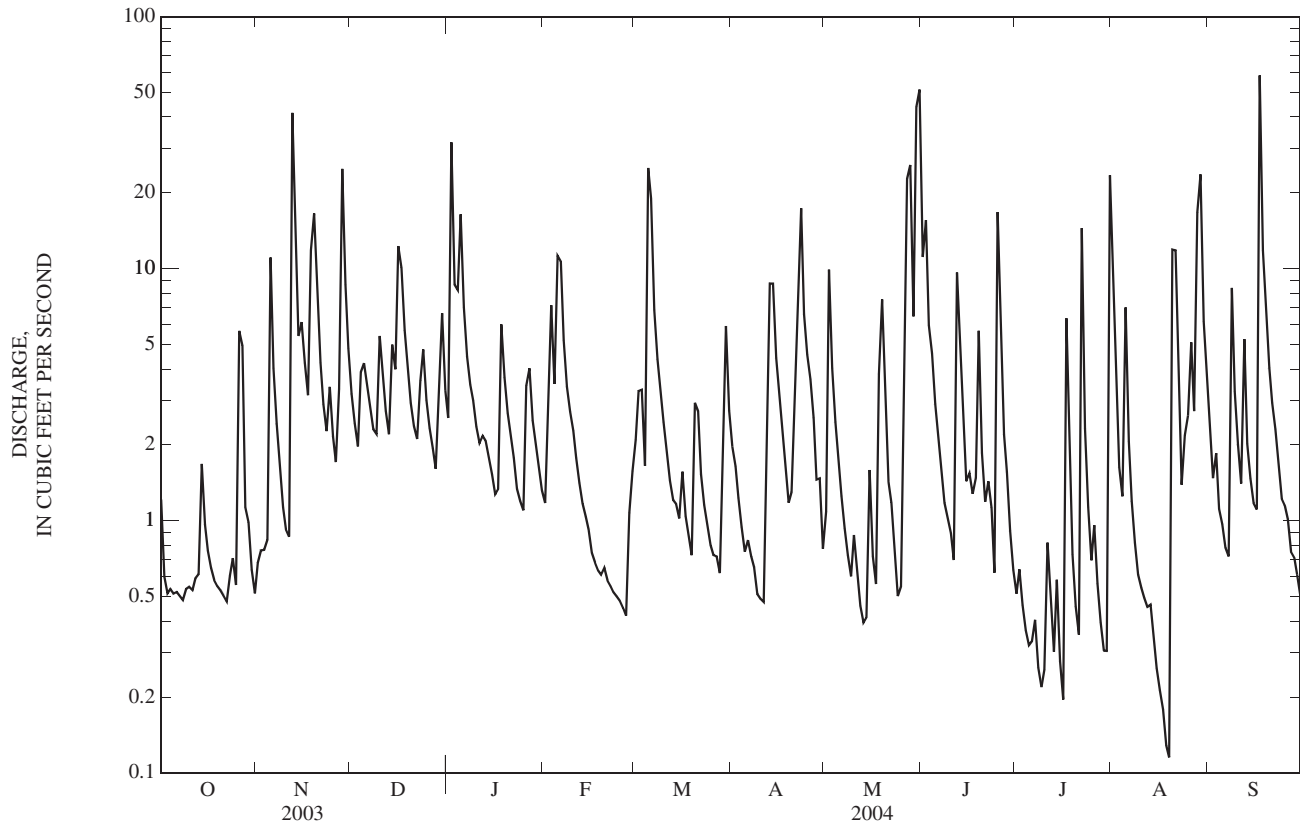
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	1.52	2.05	2.29	3.08	3.83	3.61	2.71	3.71	2.59	1.69	1.14	1.80
MAX	5.19	6.39	3.83	5.69	7.84	6.57	5.34	7.39	6.73	4.78	3.89	4.38
(WY)	(2003)	(2004)	(2004)	(1998)	(2003)	(2002)	(1998)	(2003)	(1998)	(1998)	(2004)	(2003)
MIN	0.19	0.37	1.02	1.18	1.00	2.00	0.82	0.31	0.41	0.20	0.05	0.01
(WY)	(2001)	(1999)	(2000)	(2001)	(2002)	(2003)	(2001)	(1999)	(1999)	(2002)	(1999)	(1999)

03284520 EAST HICKMAN CREEK AT ANDOVER VILLAGE NEAR CADENTOWN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	1,364.03		1,360.26		2.49	
ANNUAL MEAN	3.74		3.72		1.48	
HIGHEST ANNUAL MEAN					3.94	
LOWEST ANNUAL MEAN					1.48	
HIGHEST DAILY MEAN	47	Feb 15	58	Sep 17	63	Mar 20, 2002
LOWEST DAILY MEAN	0.17	Jul 8	0.12	Aug 19	0.00	Sep 20, 1998
ANNUAL SEVEN-DAY MINIMUM	0.22	Jul 2	0.24	Aug 13	0.00	Aug 31, 1999
MAXIMUM PEAK FLOW			209	May 30	269	Aug 31, 2003
MAXIMUM PEAK STAGE			4.36	May 30	4.78	Aug 31, 2003
INSTANTANEOUS LOW FLOW					0.00	Oct 1, 1999
10 PERCENT EXCEEDS	9.0		8.5		6.2	
50 PERCENT EXCEEDS	1.5		1.6		0.78	
90 PERCENT EXCEEDS	0.37		0.50		0.06	

e Estimated



03284525 EAST HICKMAN CREEK TRIBUTARY AT CHILESBUrg ROAD NEAR LEXINGTON, KY

LOCATION.--Lat 37°59'18", long 84°24'40", Fayette County, Hydrologic Unit 05100205, on left bank, downstream side of bridge on Walnut Hill-Chilesburg Road, 0.9 mi northeast of Athens Road (#418), and 0.9 mi southwest of Todds Road (1927) and 3.1 mi east of Lexington.

DRAINAGE AREA.--0.96 mi².

PERIOD OF RECORD.--October 1997 to 2000, 2003.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 976.847 ft above NGVD of 1929.

REMARKS.--Records poor.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1625	195	3.84	Jun 25	1540	44	2.65
Jan 2	0835	48	2.69	Jul 22	0720	67	2.85
Mar 5	2050	80	2.97	Aug 28	2240	96	3.12
May 27	2250	78	2.95	Sep 17	0905	*232	*4.06
May 31	0325	157	3.59				

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	0.29	0.12	2.5	2.1	0.62	0.36	1.1	0.56	19	0.46	4.9	1.3
2	0.24	0.12	1.6	13	1.3	0.49	0.92	5.7	16	0.49	2.3	0.94
3	0.19	0.17	1.2	7.2	4.9	0.57	0.74	3.4	6.0	0.32	1.2	0.91
4	0.15	0.18	2.6	5.0	3.3	0.61	0.55	2.3	3.7	0.24	0.72	0.43
5	0.12	5.0	3.1	10	4.9	10	0.45	1.4	2.1	0.20	4.1	0.33
6	0.10	3.2	2.4	5.5	10	14	0.40	0.83	1.2	0.35	1.2	0.25
7	0.05	4.8	1.7	3.8	5.4	6.6	0.35	0.58	1.3	0.28	0.26	0.21
8	0.06	3.7	1.3	2.5	3.8	3.6	0.30	0.47	0.73	0.19	0.12	5.0
9	0.07	3.6	0.98	2.0	2.9	2.5	0.25	0.37	0.50	0.19	0.34	1.8
10	0.06	3.8	2.8	1.5	2.2	1.7	0.23	0.59	1.3	0.15	0.34	0.94
11	0.07	1.9	2.8	1.2	1.6	1.2	0.21	0.72	0.30	0.16	0.33	0.58
12	0.05	27	1.8	1.5	1.3	0.86	0.44	0.45	3.7	0.30	0.46	1.2
13	0.04	10	1.4	1.3	e1.1	0.66	3.1	0.42	5.5	0.21	0.30	0.51
14	0.20	5.6	2.8	1.1	e1.0	1.9	5.5	0.33	2.2	0.25	0.05	0.42
15	0.09	4.6	3.2	0.87	e0.88	0.55	3.4	0.63	1.4	0.13	0.04	0.27
16	0.05	3.8	5.1	0.70	e0.68	0.65	4.2	0.43	1.7	0.18	0.26	0.17
17	0.05	2.6	7.2	0.73	0.51	0.50	1.3	0.43	1.5	2.1	0.12	50
18	0.04	4.1	4.6	3.8	0.46	0.43	0.89	0.87	1.8	1.4	0.18	9.9
19	0.04	9.7	3.7	3.4	e0.42	0.35	0.67	2.9	2.5	1.1	0.16	5.5
20	0.04	5.4	2.5	1.9	e0.54	1.5	0.54	1.2	1.2	0.26	1.4	3.5
21	0.03	3.8	1.8	1.4	e0.48	1.8	0.56	0.55	0.76	0.19	6.7	1.6
22	0.03	3.6	1.8	1.1	e0.43	0.89	5.4	0.28	0.98	9.4	0.94	0.88
23	0.58	1.4	2.2	0.72	e0.40	0.67	8.2	0.26	0.81	2.3	0.69	2.1
24	1.6	1.7	4.1	0.67	e0.35	0.55	6.2	0.29	0.46	0.93	1.2	3.8
25	0.11	1.1	2.7	0.54	e0.32	0.44	3.9	0.20	14	0.53	1.3	0.39
26	0.29	0.83	1.9	2.0	e0.29	0.39	3.0	3.1	11	0.69	3.5	0.33
27	0.57	1.7	1.6	3.2	e0.25	0.37	1.7	9.8	4.2	0.54	1.3	0.27
28	0.21	9.8	1.3	1.7	0.22	0.35	0.49	33	2.1	0.45	5.6	0.24
29	0.20	6.2	1.5	1.3	0.22	0.54	0.66	6.9	1.1	0.32	27	0.28
30	0.15	4.1	4.8	1.0	---	3.5	1.5	23	0.55	0.24	6.2	0.17
31	0.33	---	2.9	0.72	---	1.5	---	63	---	7.9	2.8	---
TOTAL	6.10	133.62	81.88	83.45	50.77	60.03	57.15	164.96	109.59	32.45	76.01	94.22
MEAN	0.20	4.45	2.64	2.69	1.75	1.94	1.91	5.32	3.65	1.05	2.45	3.14
MAX	1.6	27	7.2	13	10	14	8.2	63	19	9.4	27	50
MIN	0.03	0.12	0.98	0.54	0.22	0.35	0.21	0.20	0.30	0.13	0.04	0.17

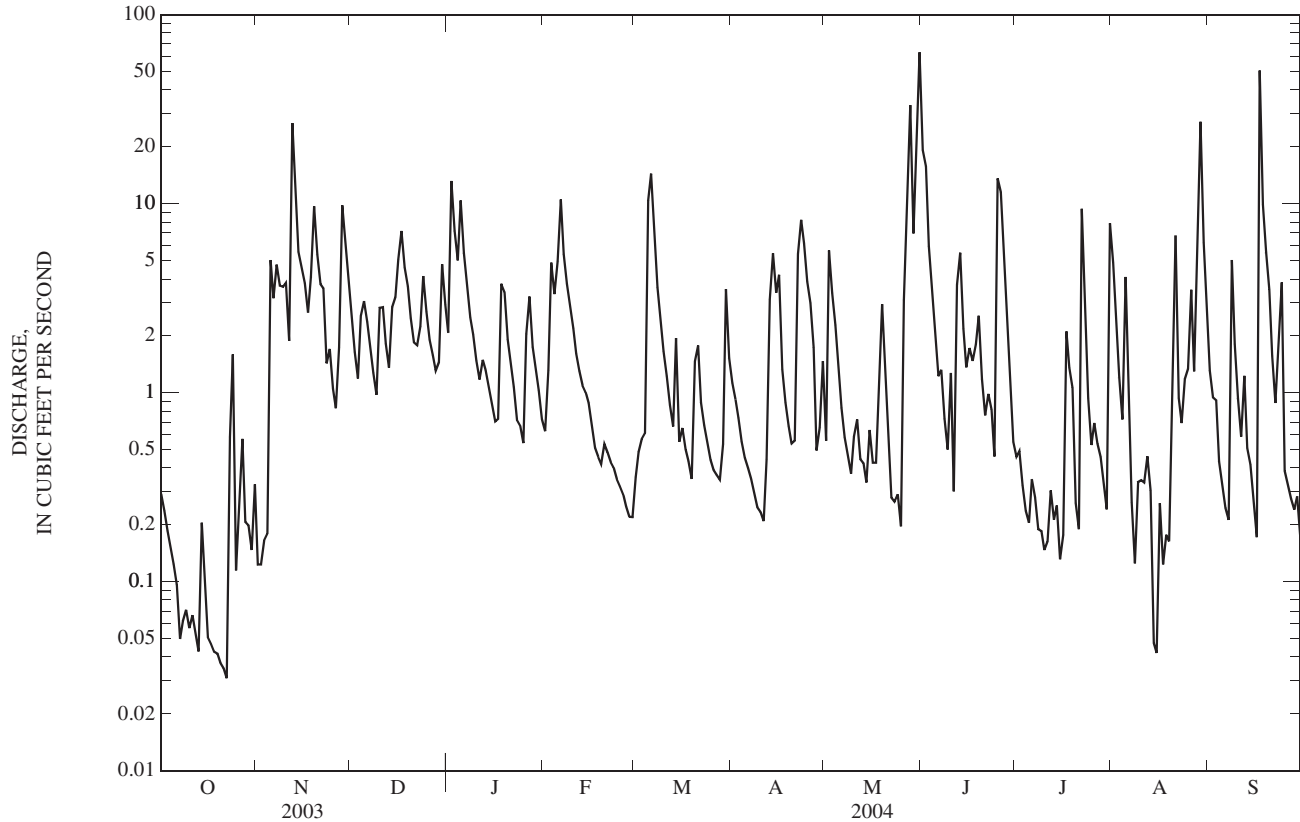
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
MEAN	1.87	3.42	1.06	2.36	3.69	3.54	1.63	3.10	1.71	5.69	6.49	5.82
MAX	11.7	12.7	2.64	4.38	8.80	13.0	3.28	7.38	3.65	26.9	25.4	27.9
(WY)	(2002)	(2002)	(2004)	(2001)	(2001)	(2002)	(1998)	(2001)	(2004)	(2002)	(2002)	(2002)
MIN	0.00	0.00	0.04	0.11	1.54	1.00	0.18	0.07	0.03	0.04	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2000)	(1999)	(2003)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)

03284525 EAST HICKMAN CREEK TRIBUTARY AT CHILESBURG ROAD NEAR LEXINGTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	768.15		950.23		1.44	
ANNUAL MEAN	2.10		2.60		0.54	
HIGHEST ANNUAL MEAN					2.60	
LOWEST ANNUAL MEAN					0.54	
HIGHEST DAILY MEAN	27	Nov 12	63	May 31	75	Mar 20, 2002
LOWEST DAILY MEAN	0.03	Jun 2	0.03	Oct 21	0.00	Sep 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.04	Oct 16	0.04	Oct 16	0.00	Sep 27, 1998
MAXIMUM PEAK FLOW			232	Sep 17	232	Aug 31, 2003
MAXIMUM PEAK STAGE			4.06	Sep 17	4.06	Aug 31, 2003
INSTANTANEOUS LOW FLOW					0.00	Oct 1, 1998
10 PERCENT EXCEEDS	5.3		5.5		3.7	
50 PERCENT EXCEEDS	0.65		1.0		0.27	
90 PERCENT EXCEEDS	0.10		0.19		0.00	

e Estimated



LOCATION.--Lat 37°56'59", long 84°27'19", Fayette County, Hydrologic Unit 05100205, on right bank, downstream side of bridge on Delong Road, 1.0 mi north of intersection with Walnut Hill Road, 1.6 mi south of intersection with Armstrong Mill Road, 2.0 mi north of East Hickman, and at mile 7.6.

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 913.491 ft above NGVD of 1929.

REMARKS.--Records fair except for those estimated and those below 1.0 ft³/s, which are poor.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1745	1,190	6.13	Jun 12	1705	835	5.38
Jan 2	0855	512	4.50	Jun 25	1410	*1,940	*7.24
Mar 6	0035	685	5.00	Aug 29	0020	1,400	6.48
May 28	0100	1,100	5.96	Sep 17	1000	1,060	5.88
May 31	0325	1,710	6.93				

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

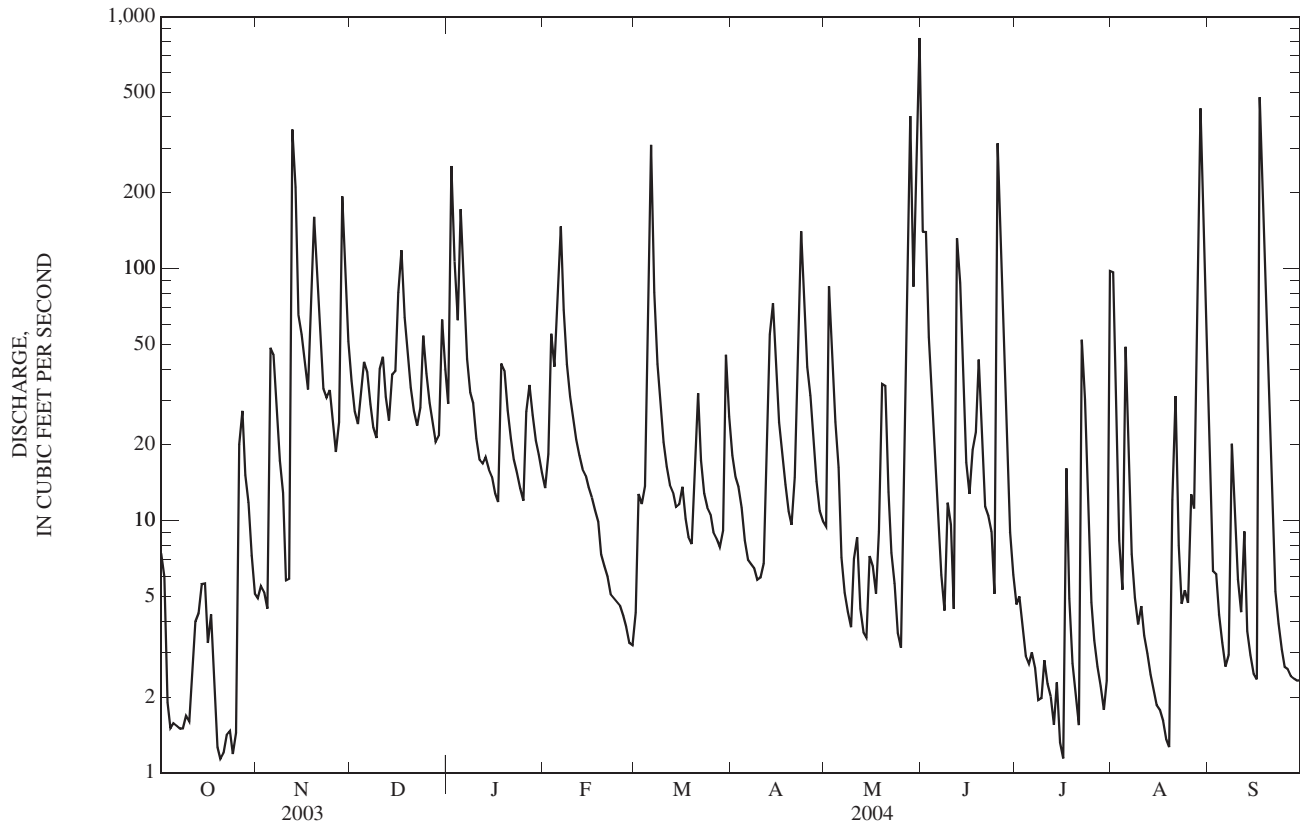
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	4.9	36	29	13	4.3	18	9.5	140	4.7	97	13
2	6.0	5.5	27	255	18	13	15	85	140	5.0	27	6.3
3	1.9	5.2	24	107	55	12	14	47	53	3.9	8.3	6.1
4	1.5	4.5	32	62	41	14	11	25	31	2.9	5.3	4.2
5	1.6	48	43	172	80	122	8.3	16	18	2.7	49	3.3
6	1.5	46	39	76	147	310	7.0	7.2	10	3.0	18	2.6
7	1.5	26	29	44	68	80	6.7	5.2	6.1	2.6	7.4	2.9
8	1.5	17	23	32	42	42	6.5	4.4	4.4	1.9	4.9	20
9	1.7	13	21	29	31	30	5.8	3.8	12	2.0	3.9	12
10	1.6	5.8	40	21	25	21	5.9	7.1	9.7	2.8	4.6	5.9
11	2.4	5.9	45	17	21	16	6.8	8.6	4.5	2.3	3.5	4.3
12	4.0	356	31	17	18	14	19	4.5	132	2.0	3.0	9.1
13	4.3	210	25	18	16	13	55	3.6	88	1.6	2.5	3.7
14	5.6	65	38	16	e15	11	73	3.4	34	2.3	2.1	2.9
15	5.6	55	39	15	e14	12	39	7.2	17	1.3	1.9	2.5
16	3.3	43	80	13	e12	14	25	6.6	13	1.1	1.8	2.4
17	4.3	33	118	12	11	10	19	5.1	19	16	1.6	478
18	2.2	64	64	42	9.9	8.6	14	9.1	22	4.9	1.4	115
19	1.3	160	46	39	7.3	8.1	11	35	44	2.7	1.3	38
20	1.1	83	34	27	e6.6	16	9.6	34	23	2.0	12	17
21	1.2	49	27	21	e6.0	32	15	13	11	1.5	31	8.7
22	1.4	33	24	17	e5.1	17	60	7.5	10	e52	8.0	5.2
23	1.5	31	28	15	e4.9	13	140	5.6	9.0	e30	4.7	3.9
24	1.2	33	54	13	e4.8	11	81	3.6	5.1	12	5.3	3.1
25	1.4	25	38	12	e4.6	11	41	3.1	314	4.7	4.7	2.6
26	20	19	29	27	e4.2	9.0	31	20	103	3.4	13	2.6
27	27	25	24	35	3.8	8.5	21	133	32	2.6	11	2.4
28	15	193	21	26	3.3	7.9	14	402	17	2.2	71	2.4
29	12	99	22	21	3.2	9.1	11	85	9.0	1.8	432	2.3
30	7.3	52	63	18	---	46	10	322	6.1	2.3	64	2.3
31	5.1	---	40	16	---	26	---	821	---	98	26	---
TOTAL	153.4	1,809.8	1,204	1,264	690.7	961.5	793.6	2,143.1	1,336.9	278.2	927.2	784.7
MEAN	4.95	60.3	38.8	40.8	23.8	31.0	26.5	69.1	44.6	8.97	29.9	26.2
MAX	27	356	118	255	147	310	140	821	314	98	432	478
MIN	1.1	4.5	21	12	3.2	4.3	5.8	3.1	4.4	1.1	1.3	2.3

MEAN	6.86	17.1	20.6	20.3	38.6	30.5	20.5	35.0	21.4	10.9	9.43	14.2
MAX	34.3	60.3	38.8	40.8	83.2	54.7	34.3	69.1	48.3	28.7	29.9	43.3
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2002)	(2002)	(2004)	(2003)	(1998)	(2004)	(2003)
MIN	1.00	1.25	1.70	3.94	23.8	12.9	7.25	1.86	1.24	3.40	0.09	0.18
(WY)	(1998)	(1999)	(2000)	(2000)	(2004)	(1998)	(1999)	(2000)	(1999)	(1999)	(1999)	(1999)

03284530 EAST HICKMAN CREEK AT DELONG ROAD NEAR EAST HICKMAN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	12,593.90		12,347.1		20.3	
ANNUAL MEAN	34.5		33.7		35.9	
HIGHEST ANNUAL MEAN					9.86	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	500	Feb 16	821	May 31	821	May 31, 2004
LOWEST DAILY MEAN	0.84	Aug 25	1.1	Oct 20	0.00	Aug 1, 1999
ANNUAL SEVEN-DAY MINIMUM	0.92	Aug 22	1.3	Oct 19	0.00	Aug 17, 1999
MAXIMUM PEAK FLOW			1,940	Jun 25	1,940	Jun 25, 2004
MAXIMUM PEAK STAGE			7.24	Jun 25	7.24	Jun 25, 2004
INSTANTANEOUS LOW FLOW					0.00	Sep 13, 2002
10 PERCENT EXCEEDS	80		74		49	
50 PERCENT EXCEEDS	14		13		5.2	
90 PERCENT EXCEEDS	1.8		2.3		0.50	

e Estimated



03284555 WEST HICKMAN CREEK AT ASH GROVE PIKE NEAR EAST HICKMAN, KY

LOCATION.--Lat 37°56'04", long 84°30'08", Jessamine County, Hydrologic Unit 05100205, on center pier, downstream side of bridge on Ash Grove Pike (#1980), 0.7 mi northwest of intersection with Macker Road, 1.9 mi northwest of East Hickman, 2.4 mi southeast of Nicholasville Road (US 27); and at mile 28.3.

DRAINAGE AREA.--20.5 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 868.402 ft above NGVD of 1929.

REMARKS.--Records fair except those estimated, which are poor.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1750	2,380	6.35	May 30	2310	*3,140	*7.59
May 28	0105	2,610	6.73	Sep 17	0910	2,100	5.86

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	54	41	93	82	48	45	60	49	324	37	227	62
2	42	40	74	527	76	53	57	320	320	45	132	52
3	36	38	62	216	170	52	52	134	177	42	95	50
4	36	38	102	177	98	49	47	89	136	36	89	45
5	34	141	120	400	250	392	42	72	101	42	389	41
6	31	84	102	183	262	447	39	59	81	40	121	39
7	29	64	84	123	154	190	38	51	67	41	89	37
8	29	54	71	95	109	124	38	49	60	33	69	134
9	28	48	62	80	87	91	36	46	62	32	58	72
10	28	43	152	69	71	71	37	44	63	43	59	55
11	30	43	114	62	62	59	36	41	55	55	50	49
12	31	789	87	60	56	51	120	41	259	42	47	92
13	30	258	74	56	50	47	233	40	137	35	42	51
14	59	131	114	54	49	44	221	40	89	44	40	47
15	40	137	111	48	46	40	122	99	67	33	38	40
16	34	108	285	44	44	51	90	53	57	31	36	37
17	33	86	237	45	39	42	74	47	72	181	35	712
18	34	227	156	120	36	39	64	64	81	64	35	196
19	34	263	124	90	e37	36	56	125	106	47	33	109
20	31	149	100	68	e39	96	52	78	64	40	103	76
21	32	104	86	59	e38	79	98	61	53	36	152	59
22	32	83	76	52	e36	54	236	67	60	218	66	50
23	32	69	107	46	e36	e50	372	54	53	83	52	42
24	32	86	143	45	e36	e44	190	47	42	62	66	37
25	34	73	101	39	e35	e43	129	44	299	52	54	35
26	101	63	85	110	e34	e39	99	152	117	43	68	33
27	62	97	73	105	e33	e36	72	360	74	38	57	30
28	50	410	65	74	32	e34	61	724	59	35	180	27
29	48	190	85	62	32	e50	52	195	46	32	241	26
30	42	124	172	56	---	152	48	810	41	51	108	25
31	41	---	97	51	---	72	---	1,270	---	539	79	---
TOTAL	1,209	4,081	3,414	3,298	2,095	2,672	2,871	5,325	3,222	2,152	2,910	2,360
MEAN	39.0	136	110	106	72.2	86.2	95.7	172	107	69.4	93.9	78.7
MAX	101	789	285	527	262	447	372	1,270	324	539	389	712
MIN	28	38	62	39	32	34	36	40	41	31	33	25

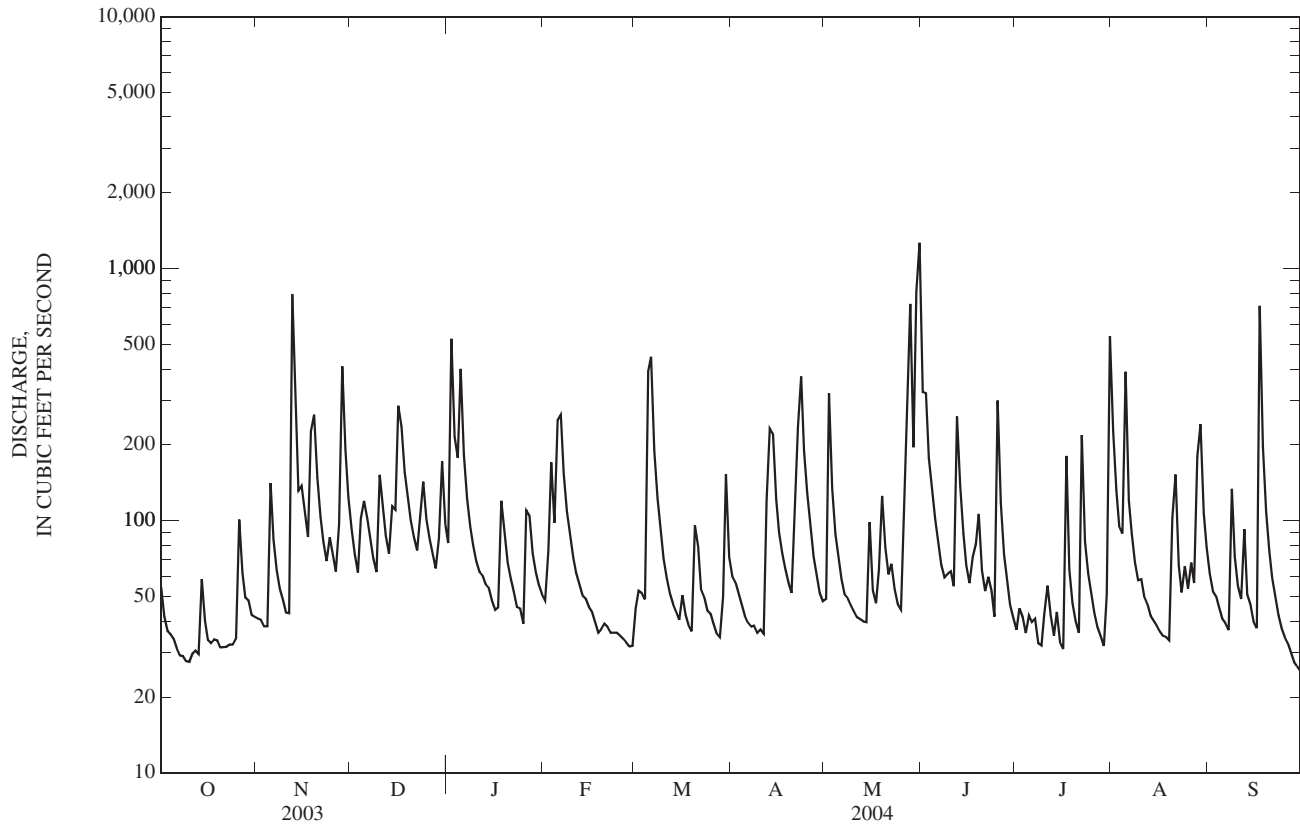
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	41.4	58.1	65.9	73.0	90.4	87.6	73.6	99.1	70.9	56.7	49.4	51.9
MAX	99.6	136	110	106	163	152	110	172	135	105	93.9	94.3
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2002)	(1998)	(2004)	(1998)	(1998)	(2004)	(2003)
MIN	26.3	23.6	33.4	42.6	37.5	49.1	39.6	31.0	26.7	25.6	20.6	18.9
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(2001)	(1999)	(1999)	(1999)	(1999)	(1999)

03284555 WEST HICKMAN CREEK AT ASH GROVE PIKE NEAR EAST HICKMAN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	33,092		35,609		68.0	
ANNUAL MEAN	90.7		97.3		97.3	
HIGHEST ANNUAL MEAN					45.0	
LOWEST ANNUAL MEAN					12	
HIGHEST DAILY MEAN	789	Nov 12	1,270	May 31	1,270	May 31, 2004
LOWEST DAILY MEAN	20	Sep 19	25	Sep 30	12	Nov 5, 1998
ANNUAL SEVEN-DAY MINIMUM	21	Sep 15	29	Oct 7	17	Aug 16, 1999
MAXIMUM PEAK FLOW			3,140	May 30	3,140	May 30, 2004
MAXIMUM PEAK STAGE			7.59	May 30	7.59	May 30, 2004
INSTANTANEOUS LOW FLOW					1.4	Nov 5, 1998
10 PERCENT EXCEEDS	189		190		131	
50 PERCENT EXCEEDS	53		59		40	
90 PERCENT EXCEEDS	30		35		22	

e Estimated



03285000 DIX RIVER NEAR DANVILLE, KY

LOCATION.--Lat 3738'31", long 8439'39", Garrard County, Hydrologic Unit 05100205, on right bank 50 ft downstream from bridge on State Highway 52, 1.4 mi downstream from Hanging Fork, 6 mi east of Danville, and at mile 34.6.

DRAINAGE AREA.--318 mi².

PERIOD OF RECORD.--May to August 1905 (gage heights only), October 1942 to current year. Published as "Dicks River," 1905.

REVISED RECORDS.--WSP 1555: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 750.10 ft above NGVD of 1929. Prior to Dec. 21, 1942, nonrecording gage at same site and datum. May to August 1905, nonrecording gage at site 6 mi downstream at different datum.

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

COOPERATION.--Kentucky Natural Resources, Environmental Protection Cabinet, and Kentucky Utilities.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	1900	10,200	10.35	Mar 6	0600	10,300	10.39
Feb 6	0900	12,400	11.19	Sep 17	1700	*13,900	*11.74

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	48	56	701	800	e351	95	653	308	1,710	42	1,360	60
2	39	45	462	5,400	391	458	478	1,110	923	37	436	46
3	34	38	346	e4,600	1,850	502	406	1,500	667	391	231	42
4	28	32	325	1,790	1,620	345	331	771	1,200	169	150	43
5	25	73	593	2,530	2,520	482	270	531	1,670	92	761	62
6	23	323	799	1,910	10,300	7,190	228	395	802	157	e1,050	65
7	21	311	631	1,120	e4,200	2,380	201	303	505	1,130	443	43
8	19	202	480	818	1,510	1,170	183	239	354	495	267	109
9	16	144	384	655	1,050	819	164	194	264	231	182	947
10	14	109	776	529	812	600	141	162	213	143	135	374
11	13	87	e1,400	420	632	463	128	136	171	413	103	217
12	11	100	861	e344	511	379	161	119	145	587	87	164
13	9.3	814	608	e299	426	310	2,210	105	199	387	74	124
14	8.2	474	749	e273	363	267	2,600	91	208	430	74	116
15	8.9	326	1,260	e247	318	243	1,480	96	144	393	63	82
16	9.6	603	1,300	e226	271	252	878	116	184	202	49	65
17	15	451	2,480	210	236	342	609	92	465	207	41	7,130
18	21	523	1,320	758	218	280	453	74	300	323	35	e4,500
19	24	3,760	1,030	1,630	197	235	354	64	194	179	29	1,240
20	24	1,780	811	826	189	207	290	68	136	114	26	680
21	21	892	626	588	180	776	260	82	102	83	130	446
22	19	580	554	475	170	582	2,560	74	81	71	130	317
23	16	418	550	375	150	394	3,020	54	68	202	68	240
24	15	366	1,900	328	140	319	1,860	44	79	167	52	187
25	14	477	1,270	1,270	132	270	1,110	39	80	90	61	151
26	16	358	861	1,020	120	232	1,160	43	162	63	121	125
27	28	288	645	e850	111	208	953	4,070	170	100	87	102
28	128	3,220	519	e689	104	192	619	4,180	96	116	96	86
29	136	2,770	437	e555	96	180	452	1,560	65	74	159	75
30	79	1,120	1,440	e466	---	1,630	353	819	51	54	140	67
31	66	---	1,160	e404	---	1,260	---	2,960	---	432	89	---
TOTAL	949.0	20,740	27,278	32,405	29,168	23,062	24,565	20,399	11,408	7,574	6,729	17,905
MEAN	30.6	691	880	1,045	1,006	744	819	658	380	244	217	597
MAX	136	3,760	2,480	5,400	10,300	7,190	3,020	4,180	1,710	1,130	1,360	7,130
MIN	8.2	32	325	210	96	95	128	39	51	37	26	42
CFSM	0.10	2.17	2.77	3.29	3.16	2.34	2.57	2.07	1.20	0.77	0.68	1.88
IN.	0.11	2.43	3.19	3.79	3.41	2.70	2.87	2.39	1.33	0.89	0.79	2.09

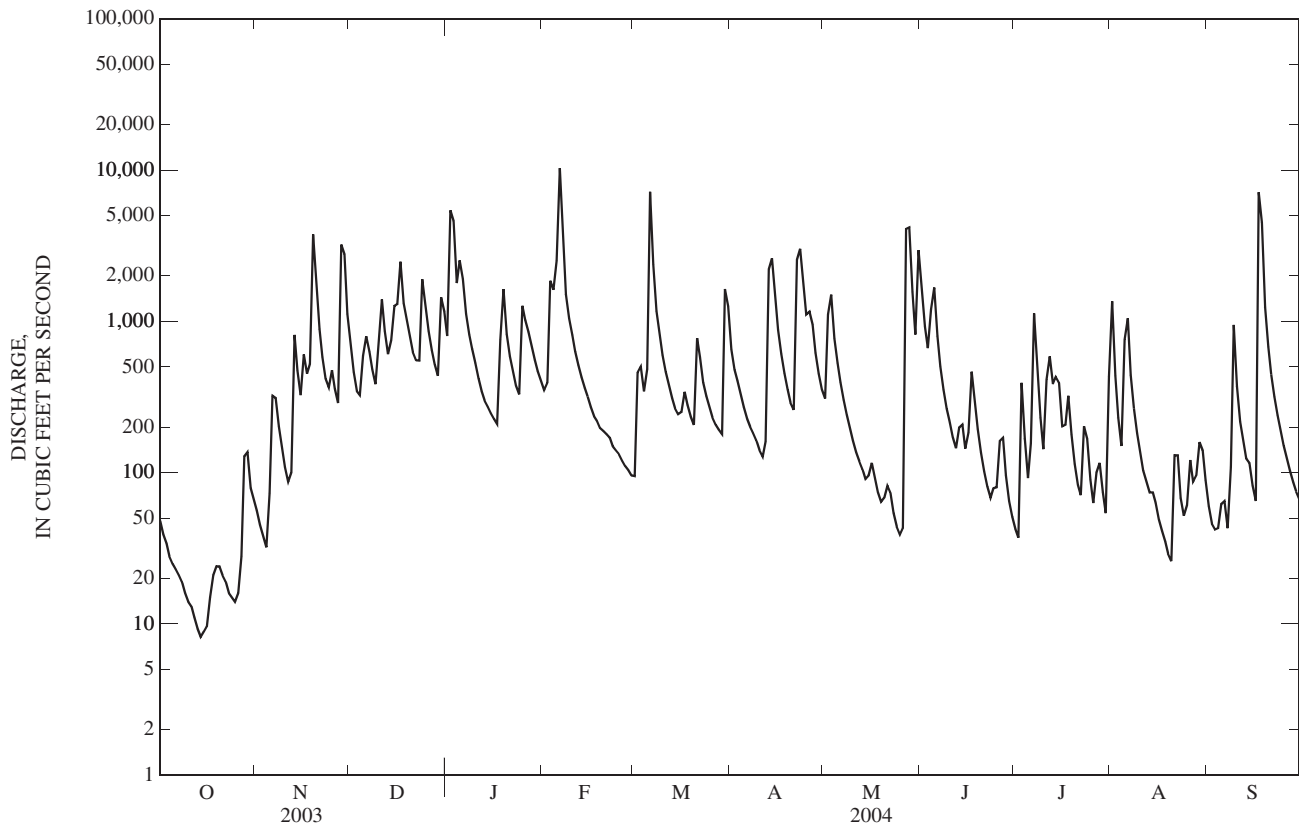
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2004, BY WATER YEAR (WY)

MEAN	101	306	652	792	984	998	673	480	291	174	95.1	156
MAX	1,323	1,471	3,656	3,140	4,129	3,059	2,736	2,618	1,732	1,692	527	3,430
(WY)	(1980)	(1987)	(1979)	(1950)	(1989)	(1997)	(1972)	(1983)	(1997)	(1996)	(1958)	(1979)
MIN	0.00	0.03	0.69	17.0	72.1	174	57.1	51.8	8.83	0.31	0.93	0.01
(WY)	(1953)	(1954)	(1954)	(1981)	(1954)	(1983)	(1986)	(1976)	(1988)	(1944)	(1952)	(1953)

03285000 DIX RIVER NEAR DANVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1943 - 2004	
ANNUAL TOTAL	220,866.0		222,182.0		473	
ANNUAL MEAN	605		607		1,184	
HIGHEST ANNUAL MEAN					119	
LOWEST ANNUAL MEAN					35,100	
HIGHEST DAILY MEAN	13,100	Feb 16	10,300	Feb 6	0.00	Jul 20, 1996
LOWEST DAILY MEAN	5.9	Aug 30	8.2	Oct 14	0.00	Jul 21, 1944
ANNUAL SEVEN-DAY MINIMUM	10	Aug 25	11	Oct 10	0.00	Jul 29, 1944
MAXIMUM PEAK FLOW			13,900	Sep 17	52,400	Jul 20, 1996
MAXIMUM PEAK STAGE			11.74	Sep 17	21.81	Dec 9, 1978
ANNUAL RUNOFF (CFSM)	1.90		1.91		1.49	
ANNUAL RUNOFF (INCHES)	25.84		25.99		20.20	
10 PERCENT EXCEEDS	1,270		1,450		1,060	
50 PERCENT EXCEEDS	269		268		125	
90 PERCENT EXCEEDS	24		43		3.1	

e Estimated



03286500 KENTUCKY RIVER AT LOCK 7 NEAR HIGH BRIDGE, KY

LOCATION.--Lat 37°48'53", long 84°43'26", Jessamine County, Hydrologic Unit 05100205, on right bank at Lock 7, 0.45 mi northwest of High Bridge, 1.2 mi downstream from Dix River, 3.8 mi upstream of U.S. Highway 68 bridge, and at mile 117.

DRAINAGE AREA.--5,036 mi².

PERIOD OF RECORD.--October 1901 to September 1924 (gage-heights only), monthly discharge October 1924 to September 1927, December 1992 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 503.92 ft above sea level, Kentucky River datum.

REMARKS.--Estimated daily discharges: Oct. 1 to Sept. 30. Discharge computed using percent of drainage area of Kentucky River at Lock #8 and Lock #6. Record fair above 1,000 ft³/s and poor below. Flow regulated since November 1925 by Herrington Lake, since December 1960 by Buckhorn Lake, since January 1976 by Carr Fork Lake, and by hydroelectric plant at lock 7.

COOPERATION.--Kentucky Utilities.

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	e2,080	e2,070	e13,500	e10,500	e6,150	e3,080	e9,800	e6,650	e71,000	e3,220	e9,950	e1,680
2	e1,900	e1,810	e10,100	e24,400	e5,850	e3,600	e8,450	e7,950	e69,000	e2,700	e6,000	e1,540
3	e1,540	e1,600	e8,000	e39,900	e8,600	e4,060	e7,200	e11,000	e61,500	e3,100	e4,230	e1,340
4	e1,320	e1,460	e7,050	e45,400	e12,400	e3,820	e6,800	e9,400	e30,300	e4,760	e3,660	e1,380
5	e1,180	e2,740	e7,500	e48,400	e16,200	e4,680	e6,550	e7,900	e26,900	e4,210	e7,150	e1,160
6	e1,100	e8,500	e8,950	e40,600	e42,900	e33,000	e6,050	e6,500	e27,600	e4,070	e5,800	e1,080
7	e1,240	e10,100	e9,600	e33,000	e54,000	e38,800	e5,600	e4,950	e20,700	e4,360	e6,500	e1,060
8	e1,160	e9,150	e9,350	e25,000	e61,000	e42,400	e5,050	e4,210	e14,900	e4,290	e6,400	e3,010
9	e1,020	e8,600	e8,700	e18,000	e61,500	e30,400	e4,640	e3,660	e11,600	e4,170	e4,590	e24,800
10	e925	e6,450	e8,400	e14,200	e37,500	e17,400	e4,260	e3,040	e9,750	e3,600	e3,400	e29,700
11	e840	e4,860	e9,150	e12,100	e17,100	e13,600	e3,880	e3,230	e8,450	e3,920	e4,560	e23,400
12	e690	e7,900	e9,750	e10,600	e14,000	e11,400	e3,740	e2,660	e7,700	e3,960	e3,000	e12,800
13	e660	e23,900	e10,200	e9,700	e12,700	e9,650	e10,100	e2,230	e10,200	e5,200	e2,080	e7,700
14	e755	e13,600	e10,200	e8,850	e11,400	e8,100	e27,300	e2,020	e8,950	e4,540	e1,920	e5,350
15	e975	e9,900	e12,400	e7,500	e10,400	e6,900	e36,800	e1,940	e7,400	e3,430	e2,270	e3,900
16	e1,080	e8,650	e13,100	e6,450	e9,600	e5,900	e31,400	e1,840	e7,000	e2,940	e2,400	e3,360
17	e1,580	e8,450	e16,600	e5,650	e9,000	e5,450	e20,300	e1,770	e8,000	e7,450	e2,180	e28,200
18	e1,650	e9,450	e16,200	e6,850	e8,500	e5,600	e13,900	e2,240	e8,300	e6,050	e1,860	e51,000
19	e1,580	e20,700	e16,300	e14,300	e7,450	e5,600	e10,400	e2,960	e6,100	e3,590	e1,510	e53,000
20	e1,720	e24,500	e15,200	e21,000	e5,800	e5,250	e8,050	e4,120	e4,700	e2,440	e1,290	e49,400
21	e1,660	e31,100	e13,100	e18,800	e4,730	e7,250	e6,900	e4,260	e3,940	e1,890	e1,720	e23,800
22	e1,360	e25,000	e10,800	e14,600	e4,480	e7,750	e9,700	e3,400	e3,460	e2,440	e1,650	e11,800
23	e1,260	e15,400	e9,650	e11,400	e4,240	e7,000	e19,000	e2,810	e3,070	e4,440	e1,300	e9,500
24	e1,200	e11,800	e12,200	e8,900	e4,010	e6,550	e17,600	e2,290	e2,620	e3,490	e1,080	e8,050
25	e920	e10,400	e15,800	e7,650	e3,790	e6,100	e11,800	e2,120	e3,880	e2,700	e1,380	e7,100
26	e845	e9,100	e15,800	e8,000	e3,580	e5,600	e10,600	e2,560	e16,200	e2,460	e2,180	e6,450
27	e1,180	e7,700	e14,300	e10,100	e3,400	e5,200	e12,200	e6,600	e11,900	e5,400	e2,600	e5,600
28	e2,330	e16,100	e11,800	e9,400	e3,240	e4,840	e10,800	e36,400	e7,500	e12,300	e2,270	e4,530
29	e2,250	e24,200	e9,600	e8,250	e3,150	e4,520	e9,300	e46,300	e5,400	e9,850	e4,180	e3,820
30	e2,040	e19,000	e10,100	e7,500	---	e9,600	e7,850	e51,000	e4,160	e6,000	e2,460	e3,250
31	e2,140	---	e11,200	e6,800	---	e12,200	---	e71,500	---	e6,100	e1,980	---
TOTAL	42,180	354,190	354,600	513,800	446,670	335,300	346,020	319,510	482,180	139,070	103,550	388,760
MEAN	1,361	11,810	11,440	16,570	15,400	10,820	11,530	10,310	16,070	4,486	3,340	12,960
MAX	2,330	31,100	16,600	48,400	61,500	42,400	36,800	71,500	71,000	12,300	9,950	53,000
MIN	660	1,460	7,050	5,650	3,150	3,080	3,740	1,770	2,620	1,890	1,080	1,060

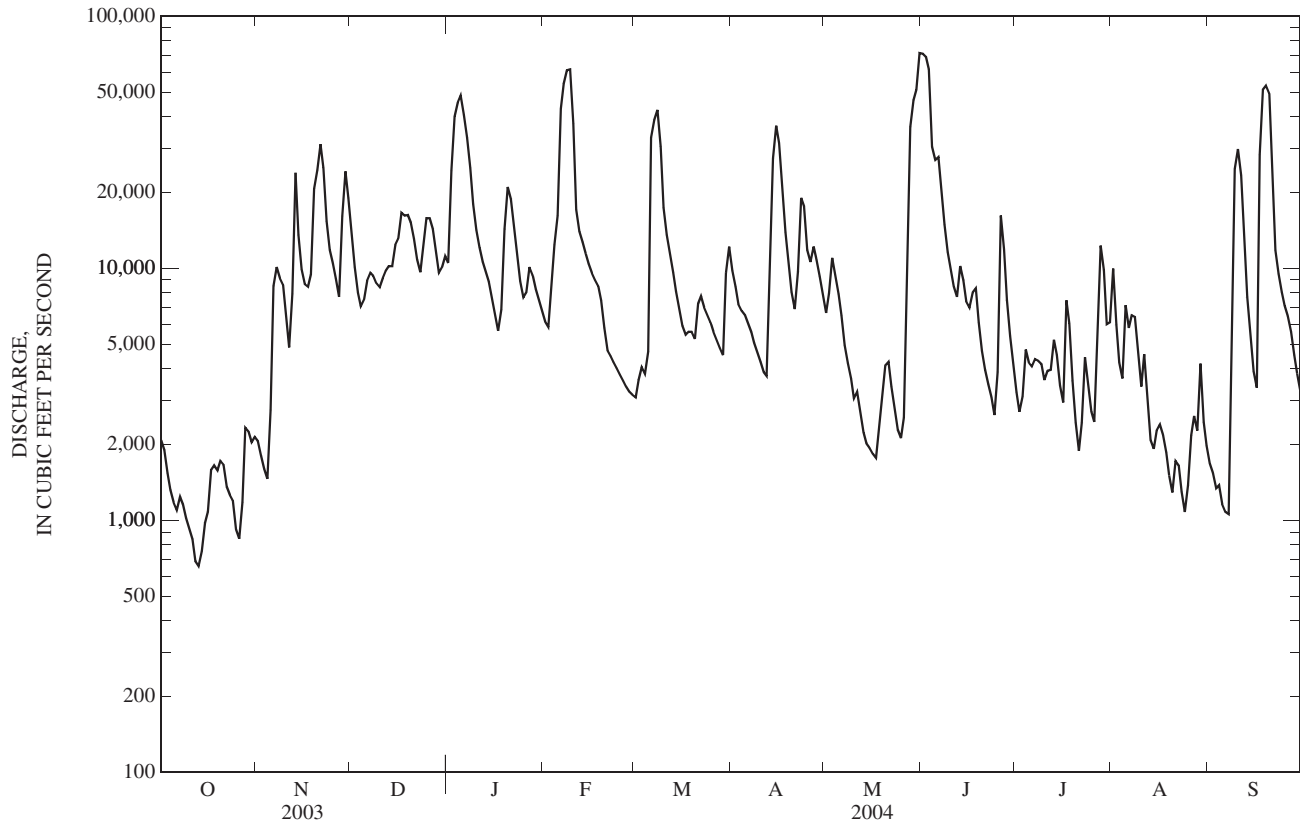
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	1,396	3,823	6,344	10,730	12,860	14,940	11,080	9,436	7,067	2,634	1,970	2,060	
MAX	4,022	11,810	12,670	22,370	27,360	29,500	21,390	22,020	18,360	4,867	4,660	12,960	
(WY)	(2003)	(2004)	(1994)	(1994)	(2003)	(1997)	(1994)	(1995)	(1997)	(1998)	(2001)	(2004)	
MIN	324	456	1,567	1,876	4,614	5,553	3,730	1,973	417	435	306	153	
(WY)	(1998)	(2002)	(2000)	(2000)	(2002)	(2000)	(1999)	(2001)	(1999)	(1999)	(1999)	(1999)	

03286500 KENTUCKY RIVER AT LOCK 7 NEAR HIGH BRIDGE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	3,562,360		3,825,830		6,995	
ANNUAL MEAN	9,760		10,450		11,250	
HIGHEST ANNUAL MEAN					3,371	
LOWEST ANNUAL MEAN					87,900	
HIGHEST DAILY MEAN	82,000	Feb 18	71,500	May 31	87,900	Mar 2, 1997
LOWEST DAILY MEAN	590	Aug 29	660	Oct 13	79	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	761	Aug 24	838	Oct 9	109	Sep 9, 2002
MAXIMUM PEAK FLOW			76,500	May 31	92,800	Mar 10, 1994
MAXIMUM PEAK STAGE			31.60	May 31	37.90	Mar 10, 1994
10 PERCENT EXCEEDS	23,700		24,600		17,500	
50 PERCENT EXCEEDS	6,250		6,820		3,100	
90 PERCENT EXCEEDS	1,340		1,650		478	

e Estimated



03287000 KENTUCKY RIVER AT LOCK 6, NEAR SALVISA, KY

LOCATION.--Lat 37°55'32", long 84°49'17", Woodford County, Hydrologic Unit 05100205, on right bank at lock 6, 1.5 mi upstream from Clear Creek, 2.1 mi east of Salvisa, and at mile 96.2.

DRAINAGE AREA.--5,102 mi², of which about 101 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1925 to current year. Prior to October 1953, published as "at Lock 6, at Warwick."

REVISED RECORDS.--WSP 1385: 1926-27, 1928(M), 1929, 1931(M), 1932, 1933-34(M), 1935, 1937, drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 489.90 ft, Kentucky River datum or 487.89 ft. above NGVD of 1929. Prior to November 1934, nonrecording gage at same site and datum. Auxiliary water-stage recorder with telemetry at lock 5, 14 mi downstream. Prior to Sept. 30, 1981, nonrecording gage at same site and datum.

REMARKS.--Records good above 1,000 ft³/s, fair below. Flow regulated since November 1925 by Herrington Lake, since December 1960 by Buckhorn Lake, since January 1976 by Carr Fork Lake, and by hydroelectric plant at lock 7.

COOPERATION.--Kentucky River Authority, U.S. Army Corps of Engineers, Louisville District.

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	2,170	2,010	13,900	11,200	6,870	3,750	10,400	7,420	72,100	3,530	11,100	1,880
2	2,060	1,790	10,400	21,300	6,530	4,080	9,110	8,190	69,300	2,990	6,990	1,790
3	1,630	1,600	8,330	38,700	8,520	4,740	7,610	11,700	63,800	3,030	4,690	1,510
4	1,350	1,500	7,630	44,600	12,700	4,480	7,160	10,300	35,100	4,580	e4,100	1,680
5	1,210	2,020	7,820	49,400	14,900	4,830	6,740	8,770	24,700	4,340	e6,940	1,260
6	1,160	7,620	e9,080	42,600	39,900	30,000	6,120	7,210	27,800	4,110	e5,800	1,150
7	1,570	10,100	e9,760	33,600	53,400	37,100	5,670	5,200	21,300	4,370	6,400	1,240
8	1,530	8,830	e9,620	26,100	60,000	41,800	5,160	4,470	15,800	4,440	6,730	1,740
9	1,290	8,590	9,210	19,000	62,100	32,000	4,720	3,950	12,300	4,390	5,050	20,300
10	1,140	6,940	9,100	15,000	42,700	18,600	4,350	3,160	10,400	3,820	3,770	28,200
11	1,010	5,310	9,920	12,800	18,300	14,200	3,970	3,250	9,090	4,030	4,490	23,200
12	727	5,740	10,200	11,200	14,700	12,100	3,780	2,860	7,740	3,940	3,460	13,600
13	688	25,200	10,700	10,300	13,200	10,400	7,960	2,380	10,600	5,180	2,320	8,250
14	889	14,300	10,500	9,490	12,000	8,850	24,600	2,150	9,340	4,920	1,920	5,920
15	1,310	10,400	12,500	8,130	11,000	7,680	34,900	2,010	7,720	3,730	2,200	4,380
16	1,360	8,740	13,500	7,210	10,200	6,690	31,800	1,930	7,050	3,070	2,540	4,030
17	1,690	8,320	17,400	6,360	9,590	6,070	21,300	1,800	7,940	8,320	2,550	22,800
18	1,600	8,750	16,800	6,690	9,100	6,130	14,800	2,130	8,640	7,200	2,320	51,200
19	1,540	19,100	16,600	13,400	8,250	6,260	11,100	2,870	6,540	4,100	1,890	52,700
20	1,900	22,800	15,800	20,000	6,720	5,820	8,280	3,960	4,980	2,710	e1,600	50,900
21	1,920	28,800	13,900	19,400	5,510	7,080	7,030	4,480	4,180	2,060	e1,840	26,800
22	1,530	25,400	11,600	15,400	5,190	8,510	8,880	3,590	3,860	2,310	e1,720	12,700
23	1,450	15,800	10,300	12,200	4,960	7,650	19,000	2,970	3,460	4,670	e1,410	10,100
24	1,480	11,800	11,900	9,760	4,720	7,200	19,200	2,430	2,790	3,790	e1,210	8,710
25	1,000	10,300	15,700	8,420	4,510	6,770	13,100	2,140	2,900	2,840	e1,560	7,690
26	877	9,130	16,200	8,220	4,290	6,260	11,000	2,540	14,700	2,500	e2,240	7,030
27	1,110	7,820	14,900	10,600	4,090	5,860	12,600	5,780	12,600	4,280	e2,630	6,320
28	2,400	13,600	12,700	10,300	3,920	5,520	11,500	32,700	7,950	11,400	2,600	5,190
29	2,430	24,100	10,400	9,070	3,820	5,200	10,000	46,100	5,710	10,300	5,090	4,510
30	1,930	19,400	10,400	8,280	---	8,660	8,670	52,300	4,500	6,480	3,110	3,940
31	2,030	---	11,800	7,590	---	13,000	---	70,300	---	6,660	2,300	---
TOTAL	45,981	345,810	368,570	526,320	461,690	347,290	350,510	321,040	494,890	144,090	112,570	390,720
MEAN	1,483	11,530	11,890	16,980	15,920	11,200	11,680	10,360	16,500	4,648	3,631	13,020
MAX	2,430	28,800	17,400	49,400	62,100	41,800	34,900	70,300	72,100	11,400	11,100	52,700
MIN	688	1,500	7,630	6,360	3,820	3,750	3,780	1,800	2,790	2,060	1,210	1,150

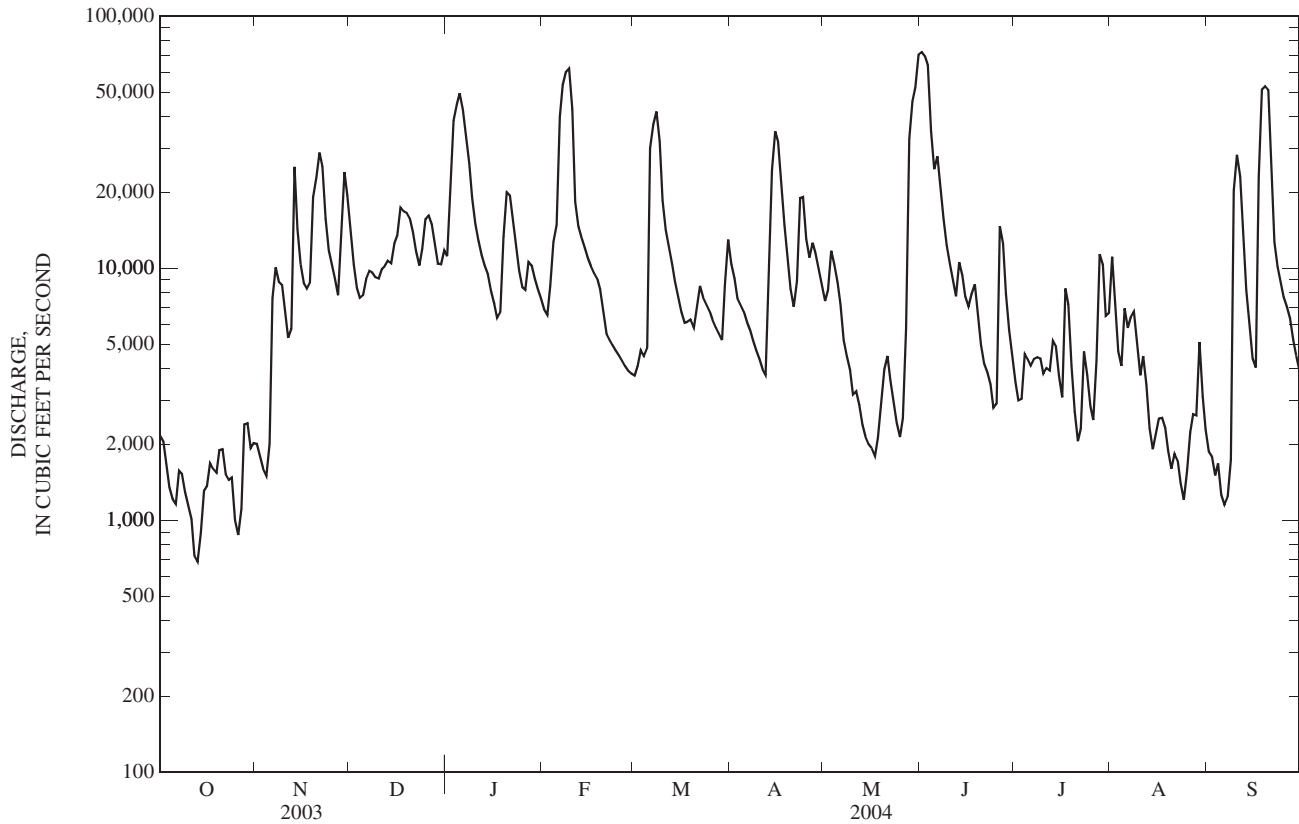
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

	MEAN	1,885	4,152	8,656	10,750	12,670	14,720	11,480	8,428	4,917	2,310	2,004	1,923
MAX	13,680	12,450	31,030	31,910	34,850	33,640	35,920	26,910	18,890	5,441	6,238	13,020	
(WY)	(1990)	(1987)	(1979)	(1974)	(1989)	(1975)	(1972)	(1983)	(1997)	(1998)	(1992)	(2004)	
MIN	312	467	525	502	2,655	3,769	1,491	1,127	362	420	277	188	
(WY)	(1981)	(2002)	(1966)	(1981)	(1968)	(1983)	(1986)	(1976)	(1988)	(1999)	(1986)	(1999)	

03287000 KENTUCKY RIVER AT LOCK 6, NEAR SALVISA, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	3,602,116		3,909,481		6,963	
ANNUAL MEAN	9,869		10,680		11,050	
HIGHEST ANNUAL MEAN					2,826	
LOWEST ANNUAL MEAN					125,000	
HIGHEST DAILY MEAN	77,000	Feb 19	72,100	Jun 1	125,000	Dec 10, 1978
LOWEST DAILY MEAN	614	Aug 30	688	Oct 13	83	Sep 4, 1984
ANNUAL SEVEN-DAY MINIMUM	792	Aug 24	1,010	Oct 9	112	Nov 8, 1991
MAXIMUM PEAK FLOW			76,400	May 31	130,000	Dec 10, 1978
MAXIMUM PEAK STAGE			30.54	May 31	49.04	Dec 10, 1978
10 PERCENT EXCEEDS	23,300		24,200		17,500	
50 PERCENT EXCEEDS	6,060		7,180		3,050	
90 PERCENT EXCEEDS	1,510		1,780		474	

e Estimated



03287500 KENTUCKY RIVER AT LOCK 4, AT FRANKFORT, KY

LOCATION.--Lat 38°12'06", long 84°52'54", Franklin County, Hydrologic Unit 05100205, on left bank at downstream side of Broadway Street Bridge at Frankfort, 300 ft upstream from Benson Creek, 0.8 mi upstream from lock 4, and at mile 65.8. Records include flow of Benson Creek.

DRAINAGE AREA.--5,411 mi², (includes that of Benson Creek), of which about 120 mi² does not contribute directly to surface runoff.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--March 1905 to July 1906 (gage heights only), October 1925 to current year. Monthly discharge only October 1930 to February 1931, October, November 1931, and May to September 1932, published in WSP 1305. Gage-height records collected in this vicinity September 1887 to December 1889, January to May 1893, and since April 1901 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1113: 1941-42. WSP 1385: 1926-27, 1929(M), 1932-33, 1935-37, 1938(M), drainage area. WSP 1555: 1932(M).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 462.10 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to Jan. 28, 1982.

REMARKS.--Record fair except those for estimated daily discharges and flow below 1000 ft³/s, which are poor. Flow regulated since November 1925 by Herrington Lake, since December 1960 by Buckhorn Lake, since January 1976 by Carr Fork Lake, and by hydroelectric plant at lock 7.

COOPERATION.--U.S. Army Corps of Engineers, Louisville District, Kentucky River Authority, and City of Frankfort.

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	2,260	2,190	16,200	11,600	e7,120	3,670	10,700	7,450	73,800	3,790	12,900	2,030
2	2,270	2,020	11,400	20,600	e6,890	3,870	9,110	8,670	71,500	3,130	8,760	2,010
3	1,910	1,780	8,770	38,100	9,570	4,630	7,520	12,100	67,400	2,960	5,420	1,580
4	1,510	1,680	8,090	42,600	13,000	5,540	6,950	11,000	46,300	4,090	4,400	1,810
5	1,300	1,830	8,360	49,500	15,700	6,230	6,620	9,090	25,100	4,550	6,920	1,400
6	1,160	6,040	9,550	46,600	35,500	27,500	5,960	7,570	28,900	4,370	9,200	1,160
7	1,510	10,100	10,600	35,600	50,500	36,300	5,520	5,500	23,300	5,000	6,590	1,140
8	1,670	8,960	10,500	28,800	58,500	39,900	5,050	4,520	17,600	4,560	6,980	1,430
9	1,430	8,680	9,770	21,400	61,800	35,200	4,650	4,220	13,200	4,480	5,650	14,300
10	1,050	7,180	10,400	16,300	51,100	21,500	4,300	3,350	10,900	4,120	4,240	28,500
11	1,160	5,750	11,200	13,300	23,100	15,300	3,980	3,150	9,180	4,370	4,250	25,400
12	792	6,780	10,600	11,600	15,700	12,600	3,840	3,100	7,850	3,980	4,090	16,500
13	721	26,100	11,000	10,400	13,600	10,600	6,230	2,470	10,100	e4,720	2,690	8,740
14	835	17,600	10,800	9,530	12,300	8,910	22,400	2,330	9,830	e5,220	2,030	6,250
15	1,340	11,700	12,600	8,260	11,100	7,650	33,000	2,770	7,950	4,170	2,150	4,630
16	1,500	9,380	15,200	7,220	10,100	6,750	33,200	2,540	7,070	3,350	2,480	4,080
17	1,760	8,610	20,100	6,380	9,390	6,000	24,100	2,060	7,720	11,100	2,690	9,350
18	1,790	8,940	18,900	7,020	8,850	5,850	16,500	2,180	8,800	9,110	2,480	46,700
19	1,700	19,100	18,200	12,400	8,160	6,000	11,700	2,960	7,410	4,960	2,100	50,900
20	1,870	24,100	17,400	19,700	6,820	5,720	8,480	3,800	5,380	3,250	1,730	51,500
21	2,130	28,600	15,100	21,000	5,490	6,210	7,060	4,520	4,360	2,340	1,480	34,400
22	1,710	28,200	12,500	16,800	5,020	8,240	8,520	3,830	4,070	2,230	2,240	14,800
23	1,620	18,600	10,900	12,900	4,820	7,490	20,300	3,130	3,660	4,270	2,220	10,400
24	1,610	12,900	13,000	10,000	4,590	6,980	22,200	2,570	3,030	4,260	1,790	8,770
25	1,190	10,800	16,600	8,330	4,410	6,580	15,500	2,240	2,970	3,130	1,550	7,620
26	1,040	9,550	17,500	7,950	4,200	6,080	11,500	3,000	12,000	2,600	2,290	6,910
27	1,200	8,900	16,000	10,900	4,020	5,680	12,500	8,600	14,700	3,360	3,190	6,290
28	2,230	14,200	13,500	10,800	3,850	5,350	11,900	32,900	8,790	9,610	3,180	5,320
29	2,810	26,300	10,900	9,310	3,720	5,060	10,100	44,600	6,020	11,400	4,430	4,550
30	2,140	22,300	11,100	e8,510	---	6,710	8,810	50,500	4,780	7,370	3,990	4,030
31	2,160	---	12,300	e7,840	---	13,100	---	69,200	---	10,100	2,580	---
TOTAL	49,378	368,870	399,040	541,250	468,920	347,200	358,200	325,920	523,670	155,950	126,690	382,500
MEAN	1,593	12,300	12,870	17,460	16,170	11,200	11,940	10,510	17,460	5,031	4,087	12,750
MAX	2,810	28,600	20,100	49,500	61,800	39,900	33,200	69,200	73,800	11,400	12,900	51,500
MIN	721	1,680	8,090	6,380	3,720	3,670	3,840	2,060	2,970	2,230	1,480	1,140

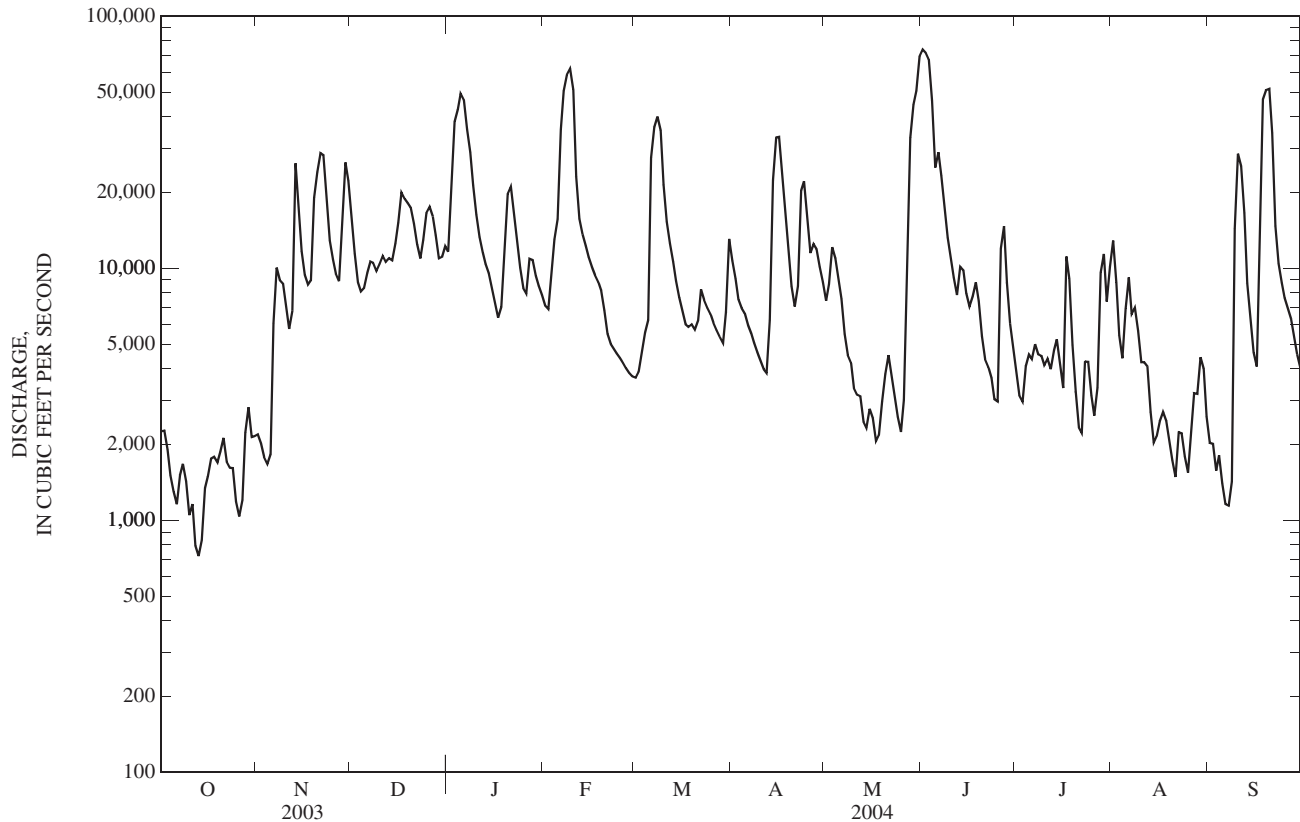
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

	1995	4,464	9,219	11,350	13,350	15,630	11,950	8,853	5,177	2,470	2,157	2,048
MEAN												
MAX	13,240	13,700	33,220	33,500	35,680	34,760	36,690	28,200	20,840	6,446	6,433	12,750
(WY)	(1990)	(1987)	(1979)	(1974)	(1989)	(1975)	(1972)	(1983)	(1997)	(1998)	(1992)	(2004)
MIN	289	542	566	540	2,885	4,175	1,518	1,142	417	568	260	207
(WY)	(1981)	(1966)	(1966)	(1981)	(1968)	(1983)	(1986)	(1976)	(1988)	(1970)	(2002)	(1999)

03287500 KENTUCKY RIVER AT LOCK 4, AT FRANKFORT, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	3,896,900		4,047,588		7,359	
ANNUAL MEAN	10,680		11,060		11,860	
HIGHEST ANNUAL MEAN					3,182	
LOWEST ANNUAL MEAN					116,000	
HIGHEST DAILY MEAN	82,000	Feb 19	73,800	Jun 1	116,000	Dec 10, 1978
LOWEST DAILY MEAN	702	Aug 29	721	Oct 13	78	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	905	Aug 25	1,050	Oct 9	88	Sep 8, 2002
MAXIMUM PEAK FLOW			75,100	Jun 1	118,000	Dec 9, 1978
MAXIMUM PEAK STAGE			34.41	Jun 1	48.47	Dec 10, 1978
10 PERCENT EXCEEDS	24,300		25,200		18,300	
50 PERCENT EXCEEDS	6,780		7,390		3,340	
90 PERCENT EXCEEDS	1,590		1,900		515	

e Estimated



03287500 KENTUCKY RIVER AT LOCK 4 AT FRANKFORT, KY

WATER-QUALITY RECORDS

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

COOPERATION.--Kentucky River Authority

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2001 to current water year.

pH: June 2001 to current water year.

WATER TEMPERATURES: June 2001 to current water year.

DISSOLVED OXYGEN: June 2001 to current water year.

INSTRUMENTATION.-- Water-quality monitor with telemetry.

REMARKS.--

SPECIFIC CONDUCTANCE: Records rated excellent except for the following period: Jun. 3-9 rated good.

pH: Records rated excellent except for the following periods: Mar. 8-11, Aug. 8-18 rated good.

WATER TEMPERATURES: Records rated excellent.

DISSOLVED OXYGEN: Records rated poor.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 634 microsiemens, Dec 28-29, 2001; minimum recorded, 96 microsiemens, Feb. 20, 2003.

pH: Maximum recorded, 9.9 units, Aug. 19, 2003; minimum recorded, 6.7 units, Aug 31, and Sept 1, 3-5, 2001.

WATER TEMPERATURES: Maximum recorded, 31.3°C, Aug 5, 2002; minimum recorded, 2.5°C, Feb. 1, 2004.

DISSOLVED OXYGEN: Maximum recorded, 15.4 mg/L, Jan 23, 2002; minimum recorded, 0.2 mg/L, Sept 13, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 565 microsiemens, Nov. 6, 2003; minimum recorded, 137 microsiemens, Feb. 9, 2004.

pH: Maximum recorded, 8.1 units, Dec. 11, 17, 18, 2003, Jan. 27-31 and Feb. 1-6, 2004.; minimum recorded, 7.1 units, Mar. 12, Sept. 20-21, 2004.

WATER TEMPERATURES: Maximum recorded, 26.4°C, Jul. 11, 2004; minimum recorded, 2.5°C, Feb. 1, 2004.

DISSOLVED OXYGEN: Maximum recorded, 14.7 mg/L, Feb. 6, 2004; minimum recorded, 4.4 mg/L, Jul. 15, 2004.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	305	297	299	393	387	390	286	274	281	301	289	292
2	310	305	308	403	390	393	277	265	272	310	289	304
3	322	310	317	463	403	434	278	263	270	307	258	283
4	321	310	315	482	463	476	285	270	277	275	248	260
5	310	308	309	481	466	471	300	284	292	262	177	214
6	314	310	312	565	477	520	304	296	301	230	181	212
7	320	314	317	563	519	544	297	283	290	230	227	229
8	324	320	323	553	484	531	290	287	288	228	225	226
9	328	324	325	553	467	490	303	290	296	232	225	229
10	334	328	331	563	473	521	316	303	309	232	229	230
11	342	334	338	483	463	472	319	316	318	252	232	241
12	342	341	342	498	470	483	319	315	317	266	252	261
13	342	339	340	495	370	441	326	315	319	266	257	262
14	339	336	338	412	286	331	329	326	327	257	255	256
15	341	339	340	308	288	300	326	324	325	264	257	260
16	343	341	341	328	281	303	330	321	324	270	264	267
17	343	342	343	322	301	314	341	330	335	274	269	272
18	345	343	344	319	288	300	348	330	341	290	274	283
19	345	341	344	348	295	312	330	318	323	298	277	294
20	341	337	339	363	345	352	325	320	323	308	297	303
21	344	338	342	350	325	337	321	304	311	312	301	307
22	344	342	343	327	276	289	304	296	299	329	301	314
23	353	343	349	295	248	272	307	298	303	381	325	351
24	354	343	350	252	238	246	307	300	304	378	297	336
25	343	333	336	253	249	251	300	293	295	297	277	283
26	336	331	333	257	251	254	311	296	306	312	260	283
27	343	336	339	258	251	255	305	299	302	316	279	306
28	364	343	352	266	255	261	302	291	294	309	303	307
29	396	364	385	277	265	271	291	285	288	314	303	308
30	396	378	387	288	274	278	297	285	291	329	314	322
31	392	378	387	---	---	---	295	291	294	324	289	317
MONTH	396	297	338	565	238	370	348	263	304	381	177	278

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	328	292	318	312	310	311	375	347	366	302	293	297
2	323	318	319	317	312	315	370	352	357	310	294	304
3	330	297	328	321	316	318	363	350	355	309	293	302
4	333	313	330	330	321	327	359	353	355	303	292	295
5	356	302	343	337	323	330	356	353	355	312	303	308
6	366	298	351	385	306	331	354	343	348	321	312	317
7	307	265	291	389	313	345	352	345	350	324	320	321
8	283	147	212	380	324	348	354	336	346	323	317	320
9	147	137	140	388	226	286	337	332	334	317	310	313
10	191	142	161	239	224	230	351	334	344	318	312	314
11	207	190	199	241	232	239	361	350	356	327	318	322
12	221	206	214	240	232	235	363	360	361	348	327	338
13	229	204	225	234	231	232	361	355	358	355	347	352
14	241	229	235	242	233	237	355	337	346	354	341	349
15	255	241	247	259	235	245	350	324	338	342	320	336
16	268	255	262	259	256	257	330	311	319	340	332	337
17	274	268	272	264	259	262	321	245	288	332	327	329
18	281	274	278	270	263	266	257	239	246	327	322	324
19	289	281	285	273	267	270	246	244	245	326	323	324
20	290	288	289	281	271	275	245	240	243	325	322	323
21	289	288	289	283	277	280	245	241	243	328	321	325
22	292	289	290	288	283	285	253	245	247	328	326	327
23	293	291	292	289	287	287	268	253	258	326	322	323
24	297	292	295	294	287	290	277	250	263	322	313	317
25	301	297	299	299	289	296	292	249	270	314	308	313
26	302	300	301	318	299	307	304	271	289	319	312	316
27	305	302	303	335	318	327	304	292	299	326	313	320
28	309	305	307	342	334	338	302	290	298	351	291	319
29	311	308	310	346	342	343	293	287	288	371	299	338
30	---	---	---	347	342	345	293	287	290	380	211	276
31	---	---	---	349	345	347	---	---	---	217	198	208
MONTH	366	137	275	389	224	294	375	239	312	380	198	316
	JUNE			JULY			AUGUST			SEPTEMBER		
1	218	208	213	325	308	314	385	301	335	365	362	363
2	210	163	189	346	325	336	416	385	405	362	350	355
3	169	158	163	352	346	350	415	394	401	350	345	347
4	229	169	192	352	346	350	402	397	399	347	343	345
5	228	209	210	352	309	334	400	367	387	350	344	346
6	226	210	218	310	302	305	367	339	357	357	349	353
7	243	225	234	344	310	325	339	300	317	361	352	359
8	242	198	220	384	344	365	300	274	282	362	349	358
9	211	196	202	417	384	401	277	257	264	398	332	357
10	225	211	218	418	404	413	277	268	272	450	376	410
11	242	225	233	404	388	399	278	275	276	479	418	434
12	292	242	264	388	361	373	302	276	290	433	228	338
13	303	279	296	361	350	356	311	302	308	228	194	207
14	281	254	266	341	337	339	323	311	316	204	194	199
15	260	253	256	363	335	344	333	323	328	216	204	209
16	266	253	259	402	363	387	337	333	336	237	216	225
17	276	266	272	412	309	379	336	328	332	277	237	252
18	291	276	286	347	287	306	328	319	322	322	232	265
19	292	286	291	326	274	291	334	320	327	262	211	249
20	295	292	293	399	326	365	344	334	339	211	160	171
21	304	295	301	405	378	395	361	344	353	207	177	194
22	312	304	306	409	371	388	368	361	366	207	200	204
23	318	312	316	415	374	402	367	354	360	208	201	205
24	326	318	322	374	314	346	363	352	358	215	208	212
25	332	326	329	314	303	306	364	360	362	223	215	219
26	332	306	324	331	308	319	362	357	360	234	223	228
27	358	302	332	351	331	344	359	352	357	242	234	238
28	412	348	372	351	333	344	352	331	339	252	241	247
29	412	304	352	376	341	361	365	334	347	258	252	256
30	309	297	303	373	315	333	389	365	381	265	258	262
31	---	---	---	334	313	322	374	365	366	---	---	---
MONTH	412	158	268	418	274	351	416	257	340	479	160	280
YEAR	565	137	311									

03287500 KENTUCKY RIVER AT LOCK 4 AT FRANKFORT, KY—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.6	7.5	7.8	7.7	8.0	7.9	8.0	8.0	8.1	8.1	7.8	7.7
2	7.7	7.6	7.8	7.7	7.9	7.9	8.0	8.0	8.1	8.1	7.7	7.7
3	7.7	7.6	7.7	7.7	7.9	7.9	8.0	7.9	8.1	8.1	7.7	7.7
4	7.7	7.5	7.8	7.7	8.0	7.9	7.9	7.7	8.1	8.1	7.7	7.7
5	7.8	7.6	7.7	7.7	8.0	8.0	7.8	7.6	8.1	8.1	7.7	7.7
6	7.7	7.5	7.9	7.7	8.0	7.9	7.8	7.6	8.1	7.9	7.7	7.7
7	7.8	7.6	7.9	7.9	8.0	7.8	7.8	7.8	7.9	7.8	7.7	7.6
8	7.8	7.6	7.9	7.9	8.0	7.9	7.8	7.8	7.8	7.6	7.6	7.4
9	7.7	7.6	7.9	7.8	8.0	7.9	7.8	7.8	7.6	7.5	7.5	7.4
10	7.7	7.5	7.9	7.8	8.0	7.9	7.8	7.8	7.6	7.5	7.4	7.4
11	7.6	7.5	7.8	7.8	8.1	8.0	7.8	7.7	7.7	7.6	7.5	7.4
12	7.7	7.5	8.0	7.8	8.0	8.0	7.8	7.8	7.8	7.7	7.7	7.1
13	8.0	7.5	8.0	7.8	8.0	7.9	7.9	7.8	7.8	7.8	7.7	7.7
14	7.8	7.6	7.8	7.7	8.0	7.8	7.8	7.8	7.8	7.8	7.7	7.6
15	7.8	7.6	7.8	7.8	8.0	7.8	7.8	7.8	7.8	7.8	7.8	7.6
16	7.8	7.6	7.9	7.8	8.0	8.0	7.8	7.8	7.8	7.8	7.7	7.7
17	7.7	7.6	7.9	7.8	8.1	8.0	7.8	7.8	7.8	7.8	7.7	7.7
18	7.8	7.6	7.8	7.8	8.1	7.9	7.8	7.8	7.8	7.8	7.7	7.7
19	7.8	7.6	8.0	7.8	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7
20	7.8	7.7	8.0	7.9	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7
21	7.7	7.6	8.0	7.9	8.0	7.9	7.9	7.8	7.8	7.8	7.9	7.8
22	7.7	7.6	7.9	7.8	7.9	7.9	7.9	7.8	7.8	7.8	7.9	7.8
23	7.7	7.7	7.8	7.7	7.9	7.9	7.9	7.5	7.8	7.7	7.9	7.8
24	7.8	7.7	7.8	7.7	7.9	7.9	8.0	7.9	7.8	7.7	7.9	7.8
25	7.8	7.7	7.8	7.7	7.9	7.8	8.0	7.9	7.8	7.8	7.9	7.8
26	7.8	7.7	7.8	7.8	7.9	7.8	8.0	8.0	7.8	7.8	7.9	7.7
27	7.8	7.7	7.9	7.8	7.8	7.8	8.1	8.0	7.8	7.8	7.9	7.8
28	7.8	7.7	8.0	7.9	7.8	7.8	8.1	8.0	7.8	7.8	7.9	7.8
29	7.8	7.7	8.0	7.9	7.9	7.7	8.1	8.1	7.8	7.8	7.8	7.7
30	7.8	7.7	7.9	7.9	8.0	7.9	8.1	8.1	---	---	7.8	7.7
31	7.8	7.7	---	---	8.0	7.9	8.1	8.1	---	---	7.8	7.8
MONTH	8.0	7.5	8.0	7.7	8.1	7.7	8.1	7.5	8.1	7.5	7.9	7.1
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.9	7.8	7.8	7.5	7.6	7.5	7.6	7.5	7.6	7.5	7.6	7.5
2	7.8	7.8	7.8	7.8	7.5	7.3	7.6	7.5	7.6	7.5	7.5	7.4
3	7.9	7.8	7.8	7.8	7.3	7.3	7.6	7.5	7.6	7.5	7.6	7.5
4	7.9	7.9	8.0	7.8	7.4	7.3	7.6	7.5	7.6	7.5	7.6	7.4
5	7.9	7.8	8.0	7.9	7.5	7.4	7.6	7.5	7.6	7.5	7.6	7.4
6	7.9	7.8	7.9	7.9	7.5	7.4	7.6	7.5	7.6	7.5	7.6	7.4
7	7.9	7.7	7.9	7.8	7.5	7.4	7.6	7.5	7.6	7.4	7.5	7.4
8	7.9	7.8	7.9	7.8	7.5	7.4	7.7	7.6	7.5	7.4	7.4	7.3
9	7.9	7.8	7.9	7.7	7.6	7.5	7.7	7.6	7.5	7.4	7.6	7.3
10	7.9	7.8	7.8	7.6	7.7	7.6	7.7	7.6	7.5	7.4	7.5	7.3
11	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.6	7.5	7.4	7.3	7.3
12	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.2
13	7.9	7.9	7.8	7.7	7.7	7.7	7.6	7.5	7.5	7.4	7.3	7.2
14	7.9	7.9	7.8	7.7	7.7	7.7	7.7	7.5	7.5	7.4	7.3	7.2
15	7.9	7.8	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.2
16	7.8	7.7	7.8	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.3
17	7.7	7.7	7.8	7.6	7.7	7.6	7.6	7.4	7.5	7.4	7.4	7.3
18	7.7	7.6	7.7	7.6	7.7	7.7	7.5	7.4	7.6	7.4	7.3	7.2
19	7.7	7.6	7.7	7.7	7.7	7.7	7.5	7.3	7.6	7.5	7.3	7.2
20	7.7	7.6	7.8	7.6	7.7	7.7	7.6	7.4	7.5	7.5	7.2	7.1
21	7.7	7.6	7.8	7.6	7.7	7.6	7.5	7.4	7.6	7.5	7.2	7.1
22	7.7	7.6	7.8	7.6	7.6	7.6	7.5	7.3	7.6	7.5	7.2	7.2
23	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.5	7.4	7.3	7.2
24	7.8	7.6	7.6	7.4	7.6	7.5	7.5	7.4	7.6	7.4	7.4	7.3
25	7.8	7.5	7.7	7.5	7.6	7.5	7.5	7.4	7.7	7.4	7.4	7.3
26	7.8	7.6	7.6	7.5	7.6	7.5	7.5	7.4	7.6	7.5	7.4	7.4
27	7.8	7.8	7.7	7.5	7.6	7.5	7.5	7.4	7.6	7.5	7.4	7.4
28	7.9	7.8	7.7	7.6	7.6	7.5	7.6	7.5	7.5	7.5	7.5	7.4
29	7.8	7.8	7.6	7.5	7.6	7.5	7.6	7.5	7.6	7.5	7.6	7.4
30	7.8	7.5	7.6	7.4	7.6	7.5	7.6	7.4	7.6	7.5	7.6	7.6
31	---	---	7.6	7.5	---	---	7.5	7.5	7.5	7.5	---	---
MONTH	7.9	7.5	8.0	7.4	7.7	7.3	7.7	7.3	7.7	7.4	7.6	7.1
YEAR	8.1	7.1										

03287500 KENTUCKY RIVER AT LOCK 4 AT FRANKFORT, KY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19.1	18.5	18.8	16.4	15.9	16.2	9.3	8.7	9.0	5.3	4.9	5.0
2	18.7	18.2	18.4	16.7	16.1	16.4	8.7	8.1	8.3	6.5	5.3	5.7
3	18.6	18.0	18.3	17.1	16.4	16.7	8.1	7.9	8.0	7.1	5.8	6.5
4	18.6	18.2	18.3	17.4	16.5	16.9	7.9	7.6	7.8	7.3	6.9	7.1
5	19.1	18.1	18.5	17.0	16.8	16.9	7.6	7.5	7.6	8.6	7.0	7.7
6	19.7	18.0	18.7	16.9	16.0	16.7	8.2	7.6	8.1	9.0	8.6	8.9
7	19.3	18.3	18.7	16.0	15.6	15.8	8.2	7.8	8.0	8.9	8.4	8.6
8	19.4	18.3	18.8	15.7	15.2	15.5	7.8	7.6	7.7	8.4	7.8	8.1
9	19.3	18.4	18.8	15.2	14.6	14.8	7.7	7.6	7.7	7.8	7.2	7.6
10	19.6	19.0	19.2	15.0	14.6	14.8	7.7	7.6	7.6	7.2	6.4	6.8
11	20.2	19.2	19.6	14.7	14.5	14.5	7.6	7.3	7.5	6.4	5.7	6.0
12	20.1	19.5	19.8	14.7	14.4	14.6	7.3	6.9	7.1	5.7	5.5	5.5
13	20.5	19.1	19.7	14.4	13.3	13.9	6.9	6.4	6.7	5.5	5.0	5.3
14	19.7	19.0	19.4	13.7	13.4	13.6	6.4	6.0	6.2	5.0	4.7	4.8
15	19.6	18.6	19.0	13.4	13.0	13.1	6.3	6.0	6.1	4.7	4.5	4.6
16	18.8	18.1	18.4	13.1	12.8	13.0	6.3	6.1	6.2	4.5	4.2	4.4
17	18.3	17.9	18.0	12.8	12.6	12.7	6.2	6.1	6.1	4.4	4.2	4.3
18	18.4	18.0	18.1	12.9	12.6	12.8	6.4	6.0	6.2	4.5	4.2	4.4
19	18.5	17.6	18.0	12.8	12.4	12.6	6.4	5.9	6.2	4.5	4.3	4.4
20	18.0	17.3	17.6	12.5	12.0	12.3	5.9	5.3	5.6	4.5	4.0	4.2
21	17.5	17.2	17.3	12.5	11.8	12.2	5.3	5.0	5.1	4.3	3.7	3.9
22	17.6	17.1	17.3	11.8	11.5	11.7	5.2	4.9	5.0	3.7	3.4	3.5
23	17.4	17.1	17.3	12.6	11.8	12.1	5.4	5.2	5.3	3.4	3.1	3.2
24	17.4	16.7	17.0	12.6	12.0	12.4	5.5	5.4	5.4	3.5	3.2	3.4
25	17.0	16.3	16.6	12.0	11.4	11.6	5.5	5.2	5.4	3.6	3.3	3.4
26	16.7	16.2	16.4	11.4	11.2	11.3	5.2	5.0	5.1	3.9	3.3	3.6
27	16.4	15.9	16.1	11.2	11.0	11.1	5.0	4.7	4.8	4.0	3.8	3.9
28	15.9	15.6	15.8	11.0	10.3	10.7	4.7	4.5	4.6	3.9	3.4	3.6
29	16.2	15.4	15.8	10.3	9.7	10.1	4.7	4.5	4.6	3.5	3.2	3.4
30	16.3	15.9	16.1	9.7	9.3	9.5	4.8	4.6	4.7	3.5	3.1	3.4
31	16.2	15.8	16.0	---	---	---	5.0	4.7	4.8	3.1	2.7	2.8
MONTH	20.5	15.4	17.9	17.4	9.3	13.6	9.3	4.5	6.4	9.0	2.7	5.1
FEBRUARY			MARCH			APRIL			MAY			
1	2.8	2.5	2.7	7.0	6.7	6.8	11.9	10.8	11.5	16.2	15.6	15.8
2	2.9	2.8	2.8	7.4	7.0	7.2	12.0	11.8	11.9	16.2	15.6	15.8
3	3.2	2.9	3.1	7.4	7.2	7.3	12.6	11.8	12.2	15.6	14.9	15.1
4	3.4	3.1	3.2	7.7	7.4	7.5	12.3	11.4	11.7	15.6	14.4	15.0
5	3.4	3.0	3.1	8.5	7.7	8.0	12.0	11.3	11.6	15.7	15.3	15.6
6	3.9	3.4	3.6	9.6	8.5	8.8	12.0	11.5	11.7	16.5	15.5	15.9
7	4.1	3.5	3.9	10.6	9.1	10.3	12.2	11.8	12.0	16.8	16.3	16.5
8	4.6	3.5	4.1	10.6	9.8	10.2	13.0	12.2	12.7	17.5	16.8	17.2
9	5.0	4.6	4.7	10.3	9.7	10.1	13.6	13.0	13.3	17.9	17.0	17.5
10	5.2	5.0	5.1	10.2	9.9	10	13.8	13.2	13.5	19.1	17.6	18.3
11	5.1	4.9	5.0	9.9	9.5	9.6	13.9	13.4	13.7	19.4	18.9	19.2
12	5.1	5.0	5.0	9.5	8.9	9.1	13.9	13.2	13.5	20.2	19.4	19.8
13	5.0	4.8	4.9	8.9	8.5	8.6	13.2	12.6	12.8	20.4	20.0	20.2
14	4.9	4.7	4.8	8.7	8.5	8.6	12.6	12.3	12.5	20.3	19.7	20.0
15	4.8	4.5	4.7	8.9	8.3	8.6	12.3	11.4	11.6	19.9	19.6	19.7
16	4.5	4.3	4.4	8.9	8.4	8.6	12.6	11.3	11.8	20.1	19.6	19.8
17	4.7	4.4	4.5	8.4	8.2	8.3	12.1	11.3	11.6	21.1	19.8	20.3
18	4.9	4.5	4.7	8.7	8.2	8.5	12.5	11.6	12.0	21.0	20.3	20.7
19	5.1	4.7	4.9	8.8	8.2	8.5	12.8	12.4	12.6	21.5	20.9	21.2
20	5.4	5.0	5.2	9.0	8.6	8.8	13.3	12.8	13.0	21.9	21.3	21.6
21	5.5	5.3	5.4	9.0	8.4	8.7	13.5	13.2	13.3	22.1	21.6	21.9
22	5.8	5.3	5.6	8.4	8.2	8.3	14.0	13.4	13.7	23.0	21.9	22.4
23	5.8	5.5	5.7	8.9	8.1	8.5	14.3	13.9	14.1	23.2	22.7	23.0
24	6.3	5.8	6.1	9.4	8.8	9.0	14.6	14.0	14.2	23.4	22.9	23.1
25	6.2	5.8	6.0	9.8	9.3	9.5	15.1	14.6	14.8	23.8	23.1	23.5
26	6.3	6.0	6.1	10.3	9.8	10.0	15.4	15.0	15.2	23.7	23.5	23.6
27	6.6	6.0	6.3	10.8	10.3	10.6	15.4	15.1	15.2	23.5	22.6	23.0
28	6.8	6.2	6.5	11.1	10.5	10.8	15.5	14.8	15.1	22.6	21.1	21.7
29	6.9	6.3	6.6	11.2	11.0	11.1	15.8	15.3	15.5	22.5	21.1	21.7
30	---	---	---	11.5	11.0	11.3	15.8	15.7	15.7	21.8	19.0	20.2
31	---	---	---	11.4	10.8	11.1	---	---	---	19.0	18.6	18.8
MONTH	6.9	2.5	4.8	11.5	6.7	9.1	15.8	10.8	13.1	23.8	14.4	19.6

03287500 KENTUCKY RIVER AT LOCK 4 AT FRANKFORT, KY—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.9	8.3	8.5	9.2	8.1	8.7	11.8	10.6	11.3	12.3	10.3	12.0
2	9.0	8.5	8.7	9.2	7.9	8.5	11.8	10.8	11.5	12.2	11.0	12.0
3	9.0	8.3	8.6	8.5	7.8	8.2	11.9	11.3	11.6	12.4	11.6	11.9
4	9.0	8.2	8.5	8.6	7.7	8.2	11.8	11.2	11.6	11.9	11.5	11.7
5	9.1	8.3	8.6	8.4	7.7	8.0	11.9	11.2	11.7	11.6	10.4	11.0
6	9.1	8.1	8.6	9.1	8.1	8.5	11.7	11.0	11.3	10.7	10.1	10.3
7	9.3	8.3	8.6	9.5	9.1	9.4	---	---	---	11.5	10.7	11.1
8	9.3	8.4	8.6	9.7	7.5	8.7	---	---	---	11.9	11.4	11.8
9	9.0	8.3	8.6	8.2	7.4	7.8	---	---	---	12.1	11.8	11.9
10	9.0	8.1	8.5	9.2	7.5	7.8	---	---	---	12.3	11.9	12.1
11	8.8	8.0	8.4	8.3	7.4	7.7	---	---	---	12.5	12.1	12.4
12	9.4	8.2	8.6	8.9	7.4	7.8	---	---	---	12.6	12.4	12.5
13	10.2	8.2	8.8	9.5	8.2	8.8	---	---	---	12.7	12.5	12.6
14	9.1	8.0	8.5	9.2	8.2	8.6	---	---	---	12.8	12.6	12.7
15	8.8	7.7	8.2	9.6	6.3	8.5	---	---	---	12.9	12.6	12.8
16	9.0	8.1	8.5	8.9	6.8	8.6	13.0	12.9	13.0	12.9	12.7	12.8
17	9.4	8.3	8.8	10.2	8.5	8.8	13.1	12.9	13.0	13.1	12.8	12.9
18	9.6	8.8	9.2	9.1	8.6	8.8	13.0	12.6	12.9	13.1	12.7	12.9
19	9.6	8.9	9.2	9.6	8.7	9.1	12.9	12.6	12.7	13.0	12.7	12.8
20	9.7	9.1	9.3	9.9	9.5	9.7	13.1	12.8	13.0	13.6	13.0	13.4
21	9.7	9.4	9.5	10.4	9.6	10	13.3	13.1	13.2	14.1	13.5	13.9
22	10.0	9.3	9.6	10.3	9.3	10.0	13.2	12.9	13.1	14.1	13.8	14.0
23	9.8	9.4	9.6	10.1	7.9	9.2	12.9	12.5	12.7	14.2	13.9	14.0
24	9.8	9.2	9.5	9.7	9.2	9.5	12.5	12.3	12.4	14.1	13.7	13.9
25	9.9	9.0	9.4	9.9	9.2	9.7	12.7	12.3	12.5	13.8	13.6	13.7
26	9.5	9.1	9.3	10.1	9.5	9.8	12.9	12.6	12.7	13.6	13.4	13.5
27	9.5	9.2	9.3	10.2	9.6	9.9	12.9	12.8	12.9	13.4	13.3	13.3
28	9.5	9.2	9.3	10.4	9.5	10.1	12.9	12.7	12.8	13.8	13.3	13.6
29	9.9	9.4	9.5	10.9	9.5	10.6	12.8	12.1	12.5	13.9	13.7	13.8
30	9.7	8.4	9.1	11.9	6.7	8.9	12.2	12.1	12.2	13.9	13.6	13.7
31	9.3	8.1	8.8	---	---	---	12.3	11.9	12.1	14.0	13.7	13.9
MONTH	10.2	7.7	8.9	11.9	6.3	8.9	13.3	10.6	12.4	14.2	10.1	12.7
FEBRUARY			MARCH			APRIL			MAY			
1	14.1	13.9	14.0	10.9	10.7	10.8	10.6	8.6	9.2	9.2	6.9	7.6
2	14.1	14.0	14.1	10.8	10.6	10.7	9.2	8.2	8.7	9.1	7.0	7.5
3	14.1	13.8	13.9	10.8	10.5	10.7	10.3	8.4	9.1	9.3	7.4	7.8
4	14.2	13.9	14.0	10.7	10.5	10.6	9.8	8.8	9.2	10.8	7.7	8.8
5	14.4	14.2	14.3	10.7	10.3	10.6	9.6	8.5	8.9	10.0	9.6	9.8
6	14.7	14.1	14.4	10.8	10.1	10.4	10.4	8.3	8.8	9.6	9.1	9.4
7	14.3	13.8	14.0	10.8	10.0	10.2	10.1	8.3	8.8	9.2	6.5	8.7
8	14.0	12.3	13.1	10.7	10.2	10.4	10.0	8.2	8.7	8.4	6.3	7.1
9	12.3	11.9	12.1	10.7	10.3	10.5	9.1	7.8	8.2	8.3	6.0	7.0
10	12.5	12.0	12.2	10.8	10.5	10.6	9.9	7.7	8.5	7.8	5.6	6.3
11	13.5	12.5	13.1	10.9	10.6	10.7	10.2	7.4	8.5	7.6	5.7	6.2
12	13.6	13.4	13.5	11.0	9.7	10.6	10.1	8.1	9.1	7.4	5.5	6.2
13	13.8	13.5	13.6	10.4	9.4	10	9.8	8.2	8.8	7.3	5.6	6.1
14	13.7	13.6	13.7	10.6	8.8	9.4	9.9	8.3	9.0	7.1	5.2	5.9
15	13.7	13.6	13.6	11.6	8.4	9.4	11.0	9.6	10.3	6.2	5.5	5.9
16	13.8	13.6	13.7	10.4	9.4	9.9	10.7	9.6	10.2	---	---	---
17	13.8	13.6	13.7	9.9	8.9	9.5	10.8	9.4	9.8	---	---	---
18	13.7	13.6	13.7	10.3	8.2	9.3	11.1	9.3	9.8	---	---	---
19	14.0	11.9	13.2	10.5	8.2	9.2	10.0	8.7	9.1	---	---	---
20	12.1	10.7	11.1	11.6	8.1	9.7	10.0	8.2	8.6	---	---	---
21	10.9	10.6	10.7	11.2	9.9	10.5	9.5	7.5	8.2	---	---	---
22	10.8	10.6	10.7	10.6	10.0	10.2	9.1	7.3	7.9	---	---	---
23	10.9	10.6	10.8	10.6	9.3	10.2	8.7	8.0	8.3	---	---	---
24	10.8	10.5	10.7	11.6	9.1	10.0	8.8	8.1	8.5	---	---	---
25	10.8	10.6	10.7	11.3	8.9	9.8	8.7	7.8	8.2	---	---	---
26	10.8	10.6	10.7	11.3	8.9	9.6	9.2	6.7	7.6	---	---	---
27	10.8	10.6	10.7	11.1	9.1	9.6	9.2	7.2	8.1	---	---	---
28	10.8	10.5	10.7	11.3	8.8	9.6	9.4	7.7	8.1	---	---	---
29	10.9	10.7	10.8	9.3	8.2	8.6	9.5	7.4	8.0	---	---	---
30	---	---	---	9.7	8.1	8.8	8.9	7.1	7.7	---	---	---
31	---	---	---	9.5	8.6	9.0	---	---	---	---	---	---
MONTH	14.7	10.5	12.6	11.6	8.1	10.0	11.1	6.7	8.7	10.8	5.2	7.4

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03287580 NORTH ELKHORN CREEK AT BRYANT ROAD NEAR CADENTOWN, KY

LOCATION.--Lat 38°01'42", long 84°24'07", Fayette County, Hydrologic Unit 05100205, on right bank, downstream side of bridge on Bryant Road, 0.7 miles northeast of intersection with I-75, 1.6 miles southeast of intersection of US 60 (Winchester Road), 1.8 miles northeast of Cadentown, and at mile 90.3.

DRAINAGE AREA.--2.20 mi².

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 942.109 ft above NGVD of 1929.

REMARKS.--Records fair except for those below 2.0 ft³/s and those estimated, which are poor.

COOPERATION.--Lexington-Fayette County Urban Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1650	91	3.80	Jul 22	0825	55	2.65
Nov 28	0725	56	2.94	Jul 31	2110	87	3.44
Jan 2	0650	81	3.53	Aug 5	0255	71	3.04
Mar 5	2035	82	3.58	Aug 20	2320	80	3.26
Apr 23	1050	52	2.84	Aug 28	2355	121	4.29
May 28	0045	87	3.70	Sep 17	0830	121	4.30
May 30	2230	*140	*4.71				

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	1.6	0.13	4.3	3.9	e2.5	1.3	3.0	0.95	19	0.75	15	2.7
2	1.5	0.12	3.5	40	3.1	1.7	2.8	6.5	21	3.0	5.0	2.4
3	1.4	0.12	3.1	17	7.8	1.6	2.6	4.0	7.1	1.5	3.2	2.5
4	1.4	0.11	3.7	10	4.7	2.0	2.4	2.6	4.2	1.0	3.0	2.4
5	1.3	3.8	4.8	27	14	16	2.4	2.0	3.0	0.93	24	2.2
6	1.1	2.5	4.6	12	24	36	2.0	1.8	2.3	0.95	6.1	1.0
7	0.49	2.2	3.8	6.0	11	13	1.4	1.1	1.7	0.95	3.6	1.1
8	0.42	1.6	3.3	4.2	5.5	5.7	1.3	0.87	1.0	0.81	2.6	4.3
9	0.35	1.3	3.1	3.7	4.2	4.0	1.2	0.78	0.96	0.70	2.3	3.9
10	0.33	1.2	5.6	3.2	3.7	3.3	1.1	0.93	1.1	0.73	2.2	2.4
11	0.30	1.1	5.4	2.9	3.3	2.9	1.0	0.70	1.0	1.0	1.9	2.0
12	0.17	30	3.9	2.9	3.1	2.7	2.1	0.59	5.2	0.98	1.4	2.0
13	0.08	16	3.4	2.9	2.9	2.5	8.8	0.53	6.0	0.76	1.3	2.1
14	0.11	5.4	4.7	2.8	e2.8	2.3	14	0.51	3.3	0.93	1.1	2.3
15	0.18	5.1	5.5	2.7	e2.7	1.6	5.5	0.68	2.2	0.69	1.00	2.9
16	0.11	4.2	16	2.5	e2.6	1.7	3.7	0.77	2.0	0.56	0.87	2.8
17	0.10	3.6	23	2.6	2.5	1.5	3.0	0.67	1.8	3.7	0.73	50
18	0.10	10	12	4.2	2.5	1.5	2.7	1.1	1.4	2.4	0.64	11
19	0.09	29	7.1	3.8	2.4	1.5	2.5	3.8	2.2	1.3	0.53	4.9
20	0.06	12	4.7	3.2	2.4	1.8	2.1	2.9	2.2	0.97	6.0	3.1
21	0.04	5.4	3.8	3.0	2.4	2.7	1.8	1.8	2.0	0.77	18	2.3
22	0.02	3.8	3.5	2.8	e2.2	2.5	5.9	1.6	1.9	11	4.3	2.4
23	0.03	3.2	4.1	2.7	e1.9	2.4	21	1.5	1.5	4.5	2.6	2.2
24	0.02	3.4	7.2	2.6	e1.6	2.3	9.7	1.0	0.80	2.8	2.8	1.8
25	0.00	3.0	5.1	2.5	e1.4	1.4	4.0	0.59	4.6	2.4	2.9	0.94
26	0.29	2.9	4.0	3.4	e1.3	1.3	2.8	0.99	3.9	2.4	3.9	0.93
27	0.40	3.4	3.5	3.8	1.2	1.3	2.2	19	2.3	2.3	3.4	1.2
28	0.29	33	3.2	3.3	1.2	1.2	1.9	34	2.0	2.2	11	1.7
29	0.29	17	3.4	e2.9	1.2	1.8	1.7	6.3	1.6	1.5	31	1.7
30	0.21	7.2	10	e2.7	---	5.2	1.1	39	0.84	0.76	6.9	0.84
31	0.15	---	5.6	e2.6	---	3.6	---	66	---	20	3.8	---
TOTAL	12.93	211.78	178.9	189.8	122.1	130.3	117.7	205.56	110.10	75.24	173.07	124.01
MEAN	0.42	7.06	5.77	6.12	4.21	4.20	3.92	6.63	3.67	2.43	5.58	4.13
MAX	1.6	33	23	40	24	36	21	66	21	20	31	50
MIN	0.00	0.11	3.1	2.5	1.2	1.2	1.0	0.51	0.80	0.56	0.53	0.84

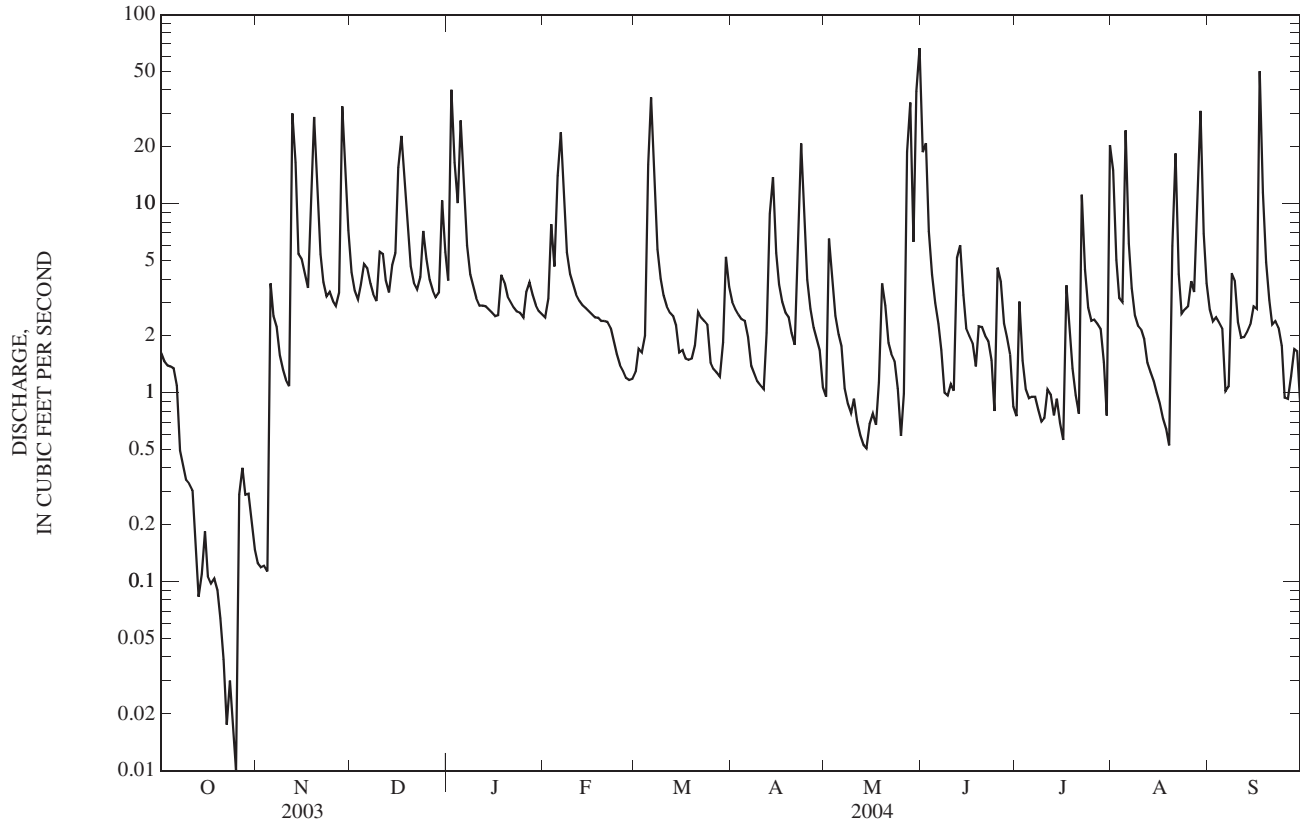
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	0.54	2.09	2.62	3.46	5.13	4.37	2.84	4.42	2.57	1.46	1.09	1.39
MAX	2.39	7.06	6.31	6.35	12.7	7.99	6.19	12.3	7.61	6.20	5.58	4.55
(WY)	(2003)	(2004)	(2003)	(1998)	(2003)	(2002)	(1998)	(2003)	(1998)	(1998)	(2004)	(2003)
MIN	0.00	0.00	0.07	0.25	0.48	2.19	0.73	0.20	0.03	0.02	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2000)	(2002)	(2003)	(2001)	(1999)	(1999)	(1999)	(1999)	(1999)

03287580 NORTH ELKHORN CREEK AT BRYANT ROAD NEAR CADENTOWN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	1,787.01		1,651.49		2.65	
ANNUAL MEAN	4.90		4.51		5.05	
HIGHEST ANNUAL MEAN					0.83	
LOWEST ANNUAL MEAN					98	
HIGHEST DAILY MEAN	75	Feb 16	66	May 31	98	Mar 20, 2002
LOWEST DAILY MEAN	0.00	Aug 28	0.00	Oct 25	0.00	Oct 1, 1997
ANNUAL SEVEN-DAY MINIMUM	0.04	Oct 19	0.04	Oct 19	0.00	Oct 1, 1997
MAXIMUM PEAK FLOW			140	May 30	281	Jun 29, 1998
MAXIMUM PEAK STAGE			4.71	May 30	5.11	Jun 29, 1998
INSTANTANEOUS LOW FLOW					0.00	Jul 1, 2001
10 PERCENT EXCEEDS	12		10		6.0	
50 PERCENT EXCEEDS	1.7		2.5		0.71	
90 PERCENT EXCEEDS	0.29		0.66		0.00	

e Estimated



03287590 NORTH ELKHORN CREEK AT WINCHESTER ROAD NEAR LEXINGTON, KY

LOCATION.--Lat 38°02'54", long 84°24'40", Fayette County, Hydrologic Unit 05100205, on right bank, downstream side of culvert on Winchester Road (US 60), 0.5 miles east of I-75, 0.8 miles west of intersection with Bryant Road (1425), 2.2 miles east of Lexington, and at mile 89.1.

DRAINAGE AREA.--4.05 mi².

PERIOD OF RECORD.--October 1997 to current year.

REVISIONS.--Maximum discharge for the water year 1998 has been revised to 720 ft³/s, July 20, 1998, gage height, 6.78 ft.

GAGE.--Water-stage recorder with telemetry. Elevation of gage is 921.258 ft above NGVD of 1929.

REMARKS.--Records good except for discharges below 8.0 cfs, above 250 cfs, and those estimated, which are poor.

COOPERATION.--Lexington-Fayette County Urban Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 30	1945	*779	*6.95	Sep 17	0905	651	6.57
Aug 28	2345	768	6.92				

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	4.3	1.1	8.3	7.7	e3.6	3.3	5.6	2.1	30	e2.1	32	6.1
2	2.7	1.0	6.1	120	e7.0	3.2	5.0	30	37	e3.1	10	4.3
3	e2.3	0.94	5.0	30	22	3.9	4.2	12	16	e2.5	5.2	4.9
4	e2.6	0.83	9.8	20	12	3.5	3.7	6.8	11	e2.2	4.9	3.5
5	e2.1	16	12	60	34	71	3.3	4.7	7.6	e1.9	66	3.2
6	e1.3	7.7	9.9	22	43	82	2.8	3.7	5.8	e1.8	13	2.0
7	e0.99	5.7	7.5	12	20	23	1.8	2.3	4.4	e2.3	6.4	1.5
8	e0.80	4.1	6.1	8.2	11	12	1.6	1.9	2.4	e2.1	4.1	14
9	e0.65	3.5	5.1	6.9	8.5	8.1	1.4	1.5	4.5	e1.9	3.3	6.4
10	e0.51	2.9	14	5.8	7.0	6.1	1.3	1.6	2.8	e1.7	2.9	3.5
11	e0.79	2.9	11	5.3	5.8	5.0	1.2	1.4	2.1	e1.6	2.5	2.5
12	e0.72	94	7.6	5.1	5.1	4.3	9.4	1.1	17	1.4	2.2	3.1
13	e0.50	34	5.9	5.0	4.5	3.9	25	1.0	14	0.97	1.7	2.4
14	4.6	12	11	4.4	4.1	3.5	30	1.0	8.2	3.1	1.4	2.2
15	1.8	14	12	4.2	3.8	2.3	14	4.1	4.5	0.84	1.2	3.3
16	1.1	9.4	36	3.8	3.6	3.3	8.2	2.0	3.9	0.58	1.2	3.5
17	1.0	6.9	36	4.0	3.5	2.3	5.9	1.5	3.4	21	1.1	202
18	0.87	27	19	15	3.4	2.0	4.7	7.5	3.4	7.3	0.94	27
19	0.78	53	13	9.3	3.3	1.9	4.1	19	9.9	2.5	0.89	12
20	e0.75	23	9.0	6.4	3.2	4.4	3.5	8.3	4.5	1.4	18	7.7
21	e0.72	11	7.0	5.4	3.1	4.8	6.8	4.1	3.6	0.99	40	5.1
22	e0.70	7.3	6.2	4.7	2.8	3.8	19	3.0	3.3	40	7.4	4.4
23	e0.68	5.7	9.7	4.2	2.0	3.3	50	2.5	2.9	8.3	4.1	4.3
24	e0.65	9.2	16	3.9	1.8	3.1	22	2.0	1.3	4.3	6.3	3.4
25	0.61	5.7	10	3.6	1.5	1.9	12	1.4	24	3.3	6.0	2.0
26	6.3	4.8	7.6	9.6	1.5	1.6	7.7	6.0	10	3.1	8.6	1.6
27	4.5	9.3	6.3	11	1.5	1.5	5.5	52	5.1	2.8	5.8	1.6
28	2.8	75	5.5	7.1	1.3	1.5	4.2	91	e3.3	2.5	67	2.6
29	2.4	27	7.4	5.7	1.3	3.3	3.5	16	e2.7	1.8	117	2.7
30	1.6	14	20	e5.0	---	e23	2.4	185	e2.3	2.2	16	1.6
31	1.2	---	11	e4.0	---	7.6	---	212	---	90	8.9	---
TOTAL	53.32	488.97	351.0	419.3	225.2	304.4	269.8	688.5	250.9	221.58	466.03	344.4
MEAN	1.72	16.3	11.3	13.5	7.77	9.82	8.99	22.2	8.36	7.15	15.0	11.5
MAX	6.3	94	36	120	43	82	50	212	37	90	117	202
MIN	0.50	0.83	5.0	3.6	1.3	1.5	1.2	1.0	1.3	0.58	0.89	1.5

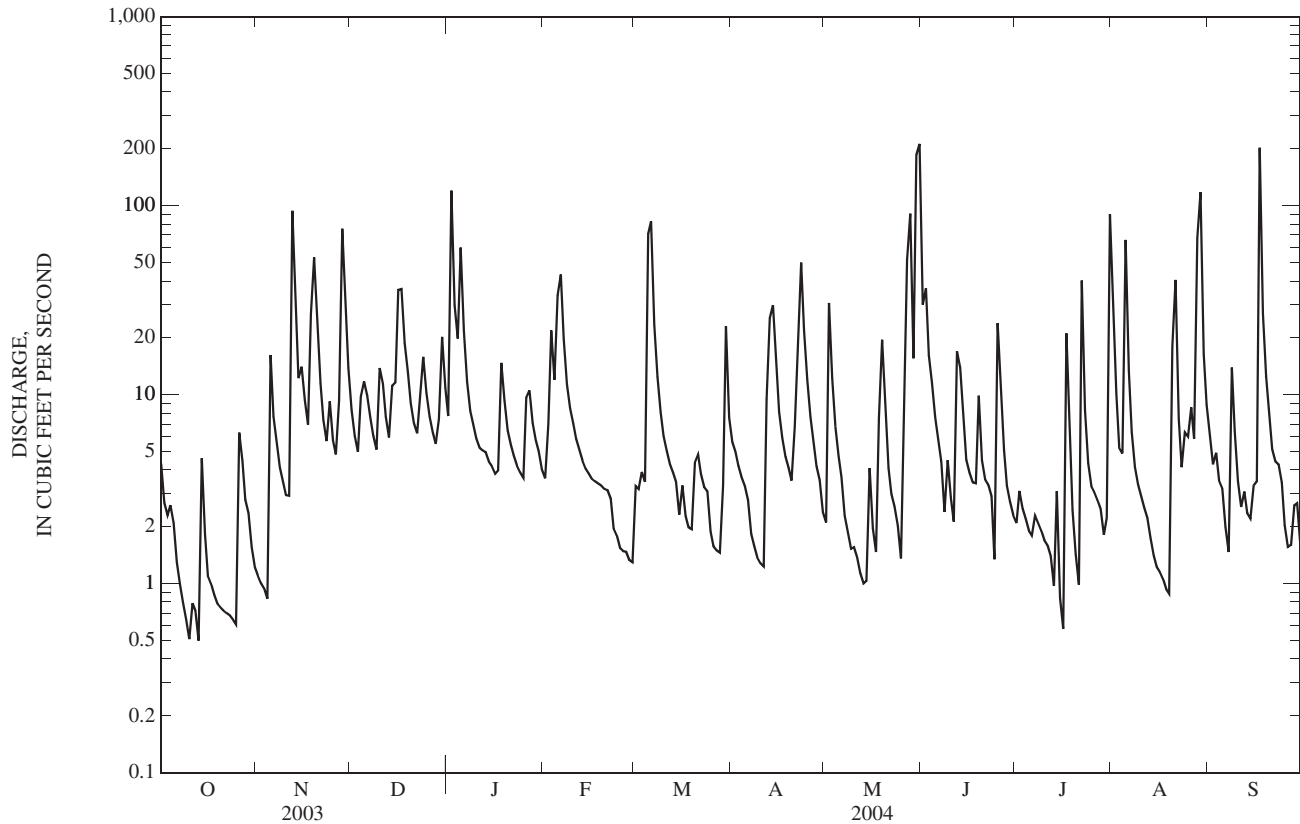
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	1.84	5.00	6.30	8.38	12.1	10.7	6.95	11.2	5.51	4.98	3.37	3.98
MAX	7.06	16.3	11.3	13.7	24.4	21.5	12.3	26.3	15.3	18.6	15.0	11.5
(WY)	(2003)	(2004)	(2004)	(1999)	(2003)	(2002)	(1998)	(2003)	(1998)	(1998)	(2004)	(2004)
MIN	0.33	0.67	1.40	2.25	2.66	5.74	1.49	0.49	0.78	0.24	0.16	0.14
(WY)	(1998)	(2000)	(2000)	(2000)	(2002)	(2003)	(1999)	(1999)	(2001)	(2002)	(1999)	(1999)

03287590 NORTH ELKHORN CREEK AT WINCHESTER ROAD NEAR LEXINGTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	3,814.34		4,083.40		6.67	
ANNUAL MEAN	10.5		11.2		11.2	
HIGHEST ANNUAL MEAN					3.11	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	162	Feb 16	212	May 31	357	Jul 20, 1998
LOWEST DAILY MEAN	0.45	Aug 25	0.50	Oct 13	0.00	Oct 5, 1997
ANNUAL SEVEN-DAY MINIMUM	0.54	Aug 22	0.70	Oct 19	0.00	Oct 5, 1997
MAXIMUM PEAK FLOW			779	May 30	779	May 30, 2004
MAXIMUM PEAK STAGE			6.95	May 30	6.95	May 30, 2004
INSTANTANEOUS LOW FLOW					0.00	Nov 8, 2000
10 PERCENT EXCEEDS	23		23		14	
50 PERCENT EXCEEDS	4.1		4.3		2.0	
90 PERCENT EXCEEDS	0.89		1.3		0.09	

e Estimated



03287600 NORTH ELKHORN CREEK AT BRYAN STATION ROAD AT MONTROSE, KY

LOCATION.--Lat 38°04'35", long 84°24'48", Fayette County, Hydrologic Unit 05100205, on right bank, downstream side of bridge on Bryan Station Road (Highway 57), 100 ft southwest of intersection of Briar Hill Road (Highway 1970) and Bryan Station Road (Highway 57), 0.5 miles northwest of Montrose, and at mile 86.0.

DRAINAGE AREA.--21.5 mi².

PERIOD OF RECORD.--October 1997 to current year.

REVISIONS.--Maximum discharge for the water year 1998 has been revised to 2480 ft³/s, June 29, 1998, gage height, 10.23 ft.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 892.042 ft above NGVD of 1929.

REMARKS.--Records good except for those below 10 ft³/s, and those estimated, which are poor.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1955	1,500	6.75	May 30	2220	*4,310	*10.69
Jan 2	1025	1,440	6.63	Jun 25	1505	1,480	6.70
Mar 5	2255	1,680	7.09	Aug 29	0230	2,230	8.05
May 28	0255	1,060	5.78	Sep 17	1120	2,530	8.49

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	11	3.4	48	45	e15	11	22	13	191	9.5	195	18
2	6.4	3.2	29	556	e20	22	19	151	237	14	48	12
3	5.4	2.8	21	184	125	16	15	72	90	13	21	13
4	6.2	3.1	38	102	67	21	13	42	62	10	24	9.3
5	5.6	47	57	356	161	266	11	28	38	8.6	293	7.9
6	4.8	29	52	135	258	539	10	20	23	7.9	74	7.5
7	3.6	17	39	75	116	144	9.8	16	16	10	33	6.7
8	2.7	11	29	54	68	76	9.9	14	13	8.2	20	51
9	2.4	7.5	22	42	52	51	9.6	13	89	7.1	15	22
10	2.3	6.0	65	e32	39	33	8.9	11	47	6.9	13	12
11	2.9	5.8	68	e25	29	24	8.4	12	19	6.5	12	8.6
12	2.9	693	44	21	23	19	46	11	193	6.5	11	8.7
13	2.5	188	31	21	18	15	129	9.5	116	6.3	9.8	8.0
14	12	64	49	19	17	14	157	9.2	58	8.4	9.0	7.2
15	8.9	e70	61	17	15	12	76	34	29	6.1	8.7	6.5
16	3.5	48	202	15	14	17	47	14	20	5.3	8.0	6.7
17	2.9	33	240	15	13	12	32	8.5	26	52	7.9	791
18	2.7	25	113	e70	12	11	24	25	21	31	7.5	165
19	2.4	259	78	58	e12	9.5	19	68	93	10	7.5	66
20	2.3	119	54	40	12	13	17	31	37	8.1	11	35
21	3.3	63	40	27	11	20	32	14	19	7.1	122	19
22	3.4	37	33	21	9.8	12	109	11	15	110	21	13
23	3.4	24	44	20	9.0	9.8	245	11	13	25	13	11
24	3.5	43	101	15	8.7	9.6	127	7.2	9.9	14	15	9.1
25	3.3	23	64	14	8.1	8.7	72	9.1	315	10	9.1	7.6
26	29	17	46	38	7.6	8.1	46	38	85	9.0	18	6.5
27	15	39	34	60	7.3	8.3	29	307	34	8.8	12	5.7
28	7.5	340	27	43	7.0	8.2	20	440	18	8.1	73	5.6
29	8.9	157	26	e28	7.0	9.2	16	74	13	7.3	573	5.4
30	4.7	79	117	e22	---	84	14	743	11	9.3	70	5.2
31	3.8	---	64	e18	---	34	---	1,380	---	322	33	---
TOTAL	179.2	2,456.8	1,936	2,188	1,161.5	1,537.4	1,393.6	3,636.5	1,950.9	766.0	1,787.5	1,350.2
MEAN	5.78	81.9	62.5	70.6	40.1	49.6	46.5	117	65.0	24.7	57.7	45.0
MAX	29	693	240	556	258	539	245	1,380	315	322	573	791
MIN	2.3	2.8	21	14	7.0	8.1	8.4	7.2	9.9	5.3	7.5	5.2

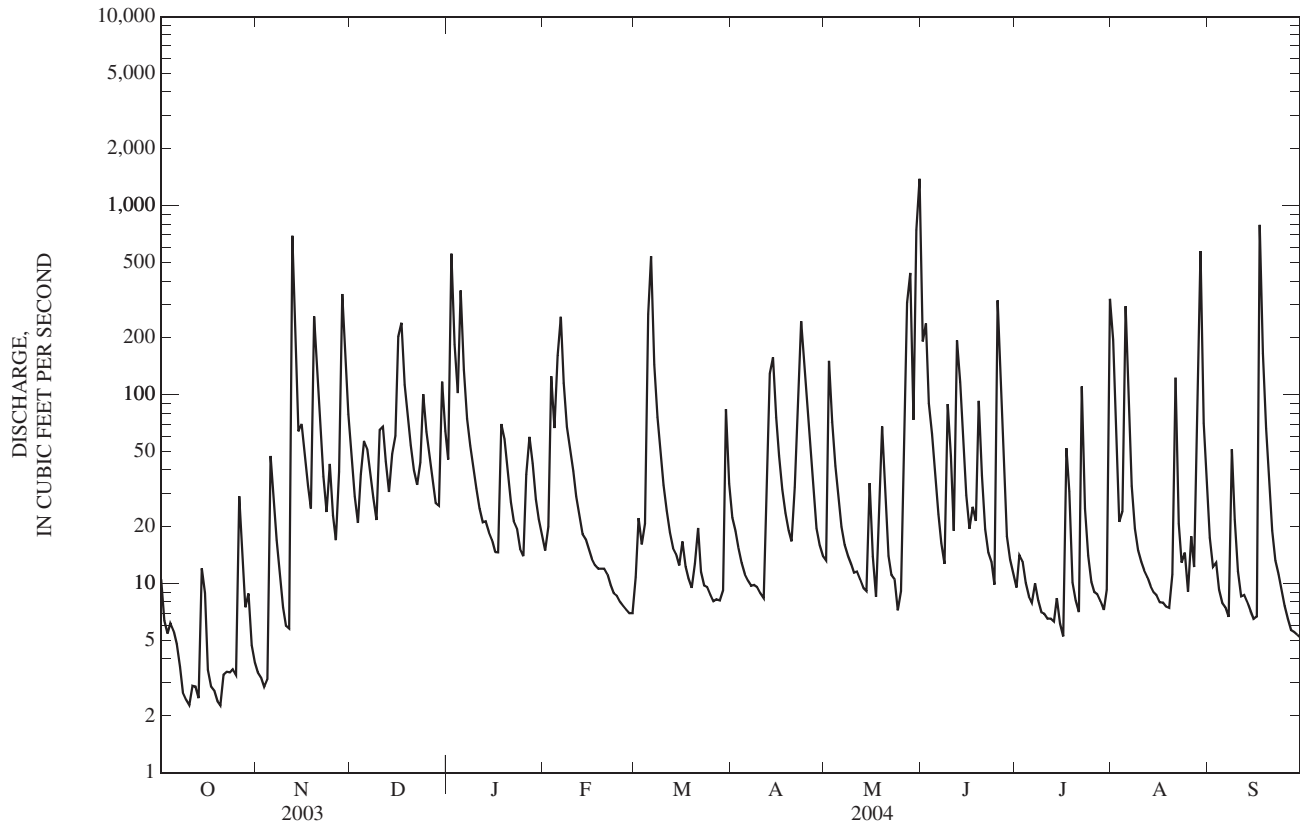
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	6.98	23.4	28.3	36.4	54.6	52.5	33.5	50.8	35.6	19.7	11.5	14.7
MAX	31.1	81.9	62.5	70.6	114	126	57.0	117	118	84.5	57.7	45.0
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2002)	(1998)	(2004)	(1998)	(1998)	(2004)	(2004)
MIN	1.03	2.26	6.78	15.8	13.6	22.7	8.29	4.00	3.22	0.72	1.13	0.01
(WY)	(1998)	(2000)	(2000)	(2000)	(2002)	(2003)	(1999)	(1999)	(2001)	(2002)	(1998)	(1999)

03287600 NORTH ELKHORN CREEK AT BRYAN STATION ROAD AT MONTROSE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	15,967.7		20,343.6		33.2	
ANNUAL MEAN	43.7		55.6		16.2	
HIGHEST ANNUAL MEAN					55.6	
LOWEST ANNUAL MEAN					16.2	
HIGHEST DAILY MEAN	693	Nov 12	1,380	May 31	1,830	Jul 20, 1998
LOWEST DAILY MEAN	1.1	Aug 25	2.3	Oct 10	0.00	Oct 8, 1997
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 23	2.8	Oct 7	0.00	Sep 8, 1998
MAXIMUM PEAK FLOW			4,310	May 30	4,310	May 30, 2004
MAXIMUM PEAK STAGE			10.69	May 30	10.69	May 30, 2004
INSTANTANEOUS LOW FLOW					0.00	Aug 7, 1999
10 PERCENT EXCEEDS	103		123		72	
50 PERCENT EXCEEDS	16		18		9.5	
90 PERCENT EXCEEDS	2.9		6.4		0.39	

e Estimated



03288100 NORTH ELKHORN CREEK AT GEORGETOWN, KY

LOCATION.--Lat 38°13'10", long 84°33'47", Scott County, Hydrologic Unit 05100205, on right bank, 400 ft upstream of bridge on Highway 25 at Georgetown, 0.4 mi downstream from Dry Run, and at mile 33.4.

DRAINAGE AREA.--147 mi², of which about 8 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--December 1992 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 803.40 ft above NGVD of 1929. Prior to Oct. 1, 1994 at datum 3.40 ft. lower.

REMARKS.--Records good except for those below 80 ft³/s and those estimated, which are poor.

COOPERATION.--City of Georgetown.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 6	1800	3,360	8.13	Jun 1	0000	*7,990	*11.76
May 28	0400	3,410	8.18	Sep 18	0800	3,040	7.84

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	55	28	380	347	e140	53	150	122	4,830	67	1,220	93
2	38	22	256	1,100	e210	85	117	447	1,290	53	501	68
3	35	19	194	1,560	702	106	100	590	841	42	281	86
4	26	16	172	733	551	358	86	383	558	88	177	69
5	18	16	232	1,190	481	504	76	270	418	89	599	44
6	15	34	272	1,010	1,370	2,890	69	200	305	60	671	29
7	15	97	246	633	924	1,220	64	155	212	73	345	20
8	14	72	213	453	592	637	60	121	160	55	204	27
9	12	54	184	355	439	444	53	105	128	59	139	81
10	10	40	296	268	352	327	45	90	257	161	105	82
11	9.5	31	473	212	279	246	40	85	173	155	87	54
12	7.3	236	376	185	226	200	58	77	121	78	75	61
13	7.1	844	287	170	194	165	262	67	560	53	66	54
14	13	434	256	155	170	142	632	56	403	51	54	38
15	22	253	273	139	152	127	492	139	258	37	43	25
16	e40	246	e555	122	130	123	321	150	186	31	34	20
17	e30	199	1,210	111	116	118	227	100	159	43	27	502
18	e28	170	772	262	108	102	177	75	141	76	22	1,850
19	12	512	555	374	99	90	142	280	139	85	17	444
20	e15	646	424	302	96	81	122	351	281	45	19	230
21	9.0	383	329	243	89	80	120	176	151	27	75	141
22	e9.2	245	276	206	82	89	219	109	113	155	220	102
23	e9.6	175	296	e160	76	76	546	83	113	288	90	82
24	9.1	153	612	145	72	71	714	70	101	120	62	76
25	8.2	151	535	129	69	64	476	71	104	82	43	67
26	33	120	410	158	63	59	367	218	640	63	46	55
27	e69	173	318	401	60	54	259	1,170	256	48	47	49
28	e80	844	251	e346	55	52	197	2,380	138	39	59	41
29	69	1,100	214	254	50	52	163	998	97	28	509	32
30	50	568	438	e210	---	132	137	1,690	80	23	399	28
31	36	---	453	e175	---	224	---	6,860	---	493	149	---
TOTAL	804.0	7,881	11,758	12,108	7,947	8,971	6,491	17,688	13,213	2,767	6,385	4,550
MEAN	25.9	263	379	391	274	289	216	571	440	89.3	206	152
MAX	80	1,100	1,210	1,560	1,370	2,890	714	6,860	4,830	493	1,220	1,850
MIN	7.1	16	172	111	50	52	40	56	80	23	17	20
CFSM	0.18	1.79	2.58	2.66	1.86	1.97	1.47	3.88	3.00	0.61	1.40	1.03
IN.	0.20	1.99	2.98	3.06	2.01	2.27	1.64	4.48	3.34	0.70	1.62	1.15

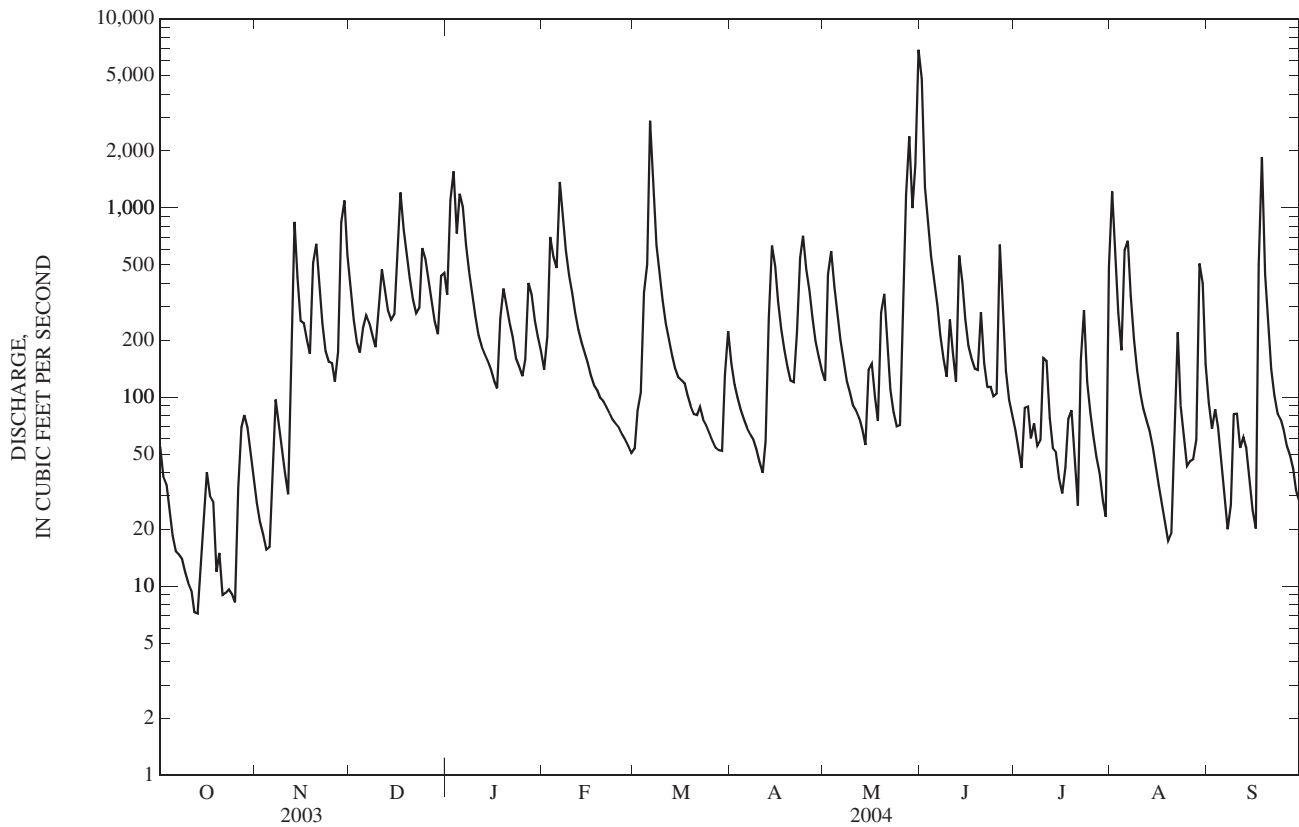
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	56.4	162	244	355	403	513	225	352	255	111	65.9	52.9
MAX	301	540	564	631	758	1,574	408	786	768	560	206	152
(WY)	(2003)	(2003)	(1997)	(1994)	(2003)	(1997)	(1994)	(1995)	(1997)	(1998)	(2004)	(2004)
MIN	6.82	9.49	29.7	55.1	136	224	62.7	25.0	19.6	12.8	4.39	2.63
(WY)	(2000)	(2000)	(2000)	(2000)	(2002)	(2003)	(1999)	(1999)	(1994)	(1999)	(2002)	(1999)

03288100 NORTH ELKHORN CREEK AT GEORGETOWN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	95,997.9		100,563.0		235	
ANNUAL MEAN	263		275		371	
HIGHEST ANNUAL MEAN					114	
LOWEST ANNUAL MEAN					11,000	
HIGHEST DAILY MEAN	3,610	Feb 16	6,860	May 31	11,000	Mar 3, 1997
LOWEST DAILY MEAN	7.1	Oct 13	7.1	Oct 13	1.3	Sep 18, 1999
ANNUAL SEVEN-DAY MINIMUM	10	Oct 19	10	Oct 19	1.6	Sep 14, 1999
MAXIMUM PEAK FLOW			7,990	Jun 1	19,300	Mar 2, 1997
MAXIMUM PEAK STAGE			11.76	Jun 1	19.01	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	1.79		1.87		1.60	
ANNUAL RUNOFF (INCHES)	24.29		25.45		21.68	
10 PERCENT EXCEEDS	644		575		558	
50 PERCENT EXCEEDS	140		134		80	
90 PERCENT EXCEEDS	17		28		9.7	

e Estimated



03288110 ROYAL SPRINGS AT GEORGETOWN, KY

LOCATION.--Lat 38°12'34", long 84°33'43", Scott County, Hydrologic Unit 05100205, at Georgetown Water Plant dam at Georgetown, Ky., and 0.64 mi upstream from mouth.

PERIOD OF RECORD.--December 1992 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 797.16 ft above NGVD of 1929.

REMARKS.--Records fair except for those estimated, which are poor.

COOPERATION.--City of Georgetown.

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	9.1	4.2	28	28	32	6.4	10	15	32	26	38	e8.6
2	7.8	3.6	29	42	30	10	8.4	44	43	31	53	e8.1
3	5.9	2.6	23	30	48	11	7.8	31	31	32	53	e7.5
4	5.3	2.3	22	32	41	18	6.5	23	25	29	56	e7.0
5	4.5	9.3	24	42	43	27	5.5	14	21	20	62	e6.7
6	3.6	12	23	36	35	27	5.0	8.5	15	17	53	e6.5
7	3.0	10	21	29	31	20	4.5	4.6	8.7	23	47	e6.6
8	2.5	7.9	19	23	25	22	3.8	13	5.9	15	40	e24
9	2.3	6.1	18	20	19	28	3.4	18	29	12	30	e13
10	2.0	4.6	25	16	15	24	3.6	13	41	20	26	e11
11	2.1	4.2	38	12	12	21	3.4	9.7	37	13	23	e9.3
12	1.8	24	33	9.1	9.9	16	10	7.9	43	8.4	20	e9.3
13	1.3	22	29	19	7.7	14	33	6.6	64	6.9	18	e12
14	3.0	28	29	36	6.4	10	15	6.1	60	11	17	e14
15	5.2	37	32	34	5.2	7.2	25	24	46	7.8	16	e11
16	3.8	31	33	31	16	16	26	23	42	6.0	13	e9.4
17	3.6	25	26	31	28	18	21	13	41	28	11	e78
18	3.1	25	36	38	24	15	17	13	41	24	4.4	e45
19	2.8	30	45	40	20	12	13	29	51	14	7.8	e30
20	1.9	28	39	39	17	11	10	20	44	9.2	8.9	e20
21	1.4	17	34	38	15	12	12	21	37	6.5	19	e16
22	0.96	11	29	36	12	9.3	38	16	35	42	12	e14
23	0.71	8.4	30	33	9.9	7.9	49	13	34	38	7.3	e13
24	0.48	18	46	31	9.4	6.9	49	9.0	32	27	6.1	e12
25	0.54	24	44	30	8.6	6.2	43	14	41	19	5.9	35
26	9.1	20	39	33	8.0	5.7	36	32	46	13	7.4	32
27	9.8	23	34	45	7.2	5.6	30	51	36	10	7.2	29
28	7.1	41	28	41	7.2	5.2	24	41	32	8.1	7.1	27
29	6.4	29	25	40	6.8	4.9	19	25	30	6.7	40	22
30	5.0	20	36	40	---	21	16	45	29	9.5	9.7	20
31	4.1	---	31	36	---	14	---	51	---	49	e8.9	---
TOTAL	120.19	528.2	948	990.1	549.3	432.3	547.9	654.4	1,072.6	582.1	727.7	557.0
MEAN	3.88	17.6	30.6	31.9	18.9	13.9	18.3	21.1	35.8	18.8	23.5	18.6
MAX	9.8	41	46	45	48	28	49	51	64	49	62	78
MIN	0.48	2.3	18	9.1	5.2	4.9	3.4	4.6	5.9	6.0	4.4	6.5

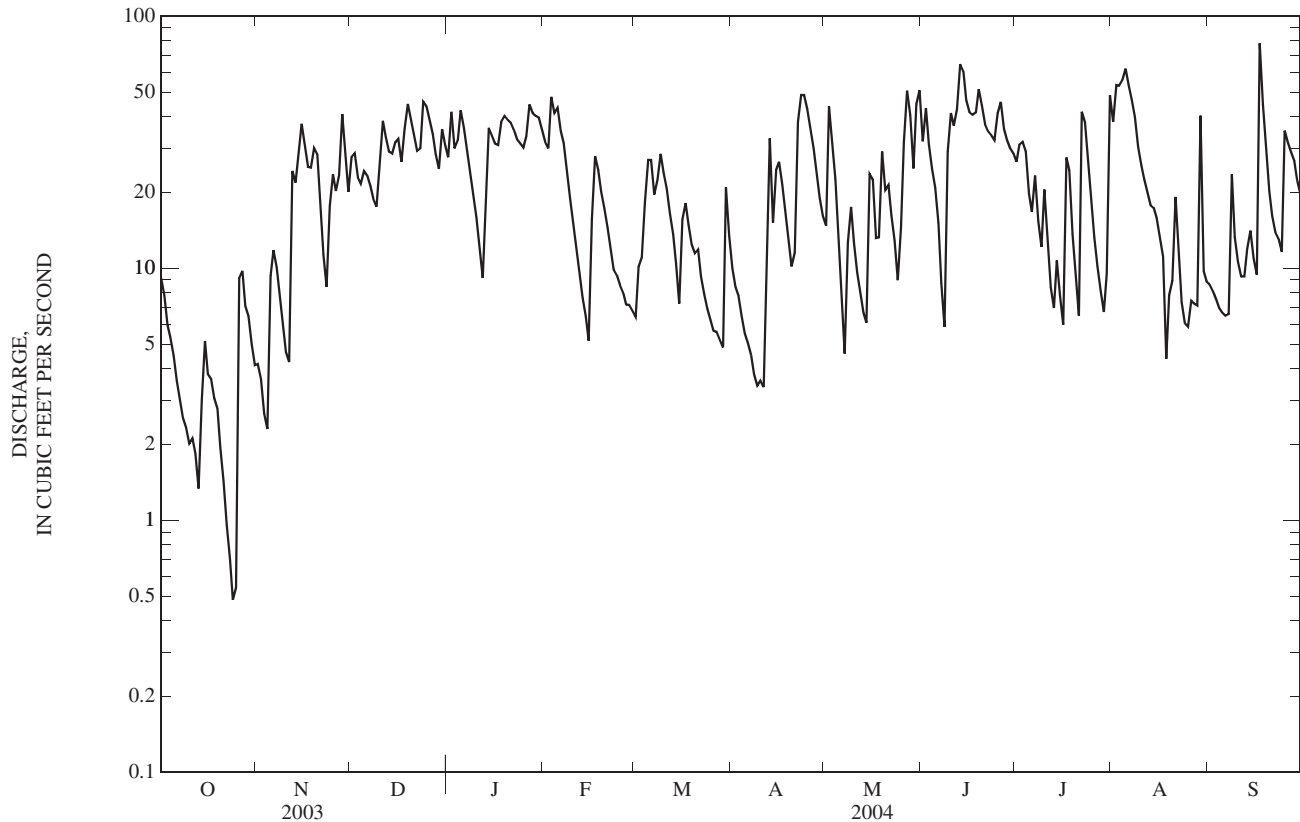
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

MEAN	6.08	13.5	24.9	32.2	31.5	38.0	26.2	26.7	24.6	10.6	8.62	6.47
MAX	15.0	35.9	48.3	49.0	52.5	77.5	47.5	55.9	65.1	44.1	23.5	18.6
(WY)	(2003)	(1994)	(1997)	(1996)	(1994)	(1997)	(1994)	(1996)	(1997)	(1998)	(2004)	(2004)
MIN	1.57	0.98	6.00	5.67	13.7	13.9	13.5	5.26	3.04	0.75	0.04	0.26
(WY)	(1999)	(2000)	(1999)	(2000)	(2000)	(2004)	(2001)	(1999)	(1994)	(2002)	(2002)	(1998)

03288110 ROYAL SPRINGS AT GEORGETOWN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1993 - 2004	
ANNUAL TOTAL	6,104.95		7,709.79		20.6	
ANNUAL MEAN	16.7		21.1		30.5	
HIGHEST ANNUAL MEAN					9.07	
LOWEST ANNUAL MEAN					313	
HIGHEST DAILY MEAN	49	Jun 7	78	Sep 17	0.00	Mar 1, 1997
LOWEST DAILY MEAN	0.02	Aug 29	0.48	Oct 24	0.00	Oct 15, 1993
ANNUAL SEVEN-DAY MINIMUM	0.88	Aug 24	1.3	Oct 19	0.00	Oct 4, 1997
MAXIMUM PEAK FLOW			108	May 31	2,240	Mar 1, 1997
MAXIMUM PEAK STAGE			5.94	May 31	7.30	Mar 1, 1997
10 PERCENT EXCEEDS	34		41		49	
50 PERCENT EXCEEDS	16		19		14	
90 PERCENT EXCEEDS	2.8		5.0		1.0	

e Estimated



03288200 CANE RUN AT BEREA ROAD NEAR DONERAIL, KY

LOCATION.--Lat 38°08'19", long 84°31'02", Fayette County, Hydrologic Unit 05100205, on right bank, upstream side of bridge on Berea Road, 0.2 mi southwest of Ironworks Road (Hwy 1973), 0.8 mi northeast of Georgetown Road (U.S. Hwy 25), 1.0 mi southeast of Donerail, Ky., and 9.0 mi upstream from North Elkhorn Creek.

DRAINAGE AREA.--19.9 mi².

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 850 ft above NGVD of 1929, (from topographic map).

REMARKS.--Records fair, except those estimated, which are poor.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	2255	239	4.70	Jun 2	0225	216	4.61
Jan 2	1135	347	5.06	Jun 12	2155	350	5.07
Mar 5	2340	448	5.37	Jul 31	1440	1,450	7.21
May 27	0640	297	4.98	Aug 5	0725	437	5.34
May 28	0535	695	5.95	Sep 17	1210	236	4.69
May 30	2315	*3,420	*9.63				

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	0.00	0.00	8.7	1.5	0.00	0.00	0.00	0.00	146	0.00	121	0.00
2	0.00	0.00	3.7	154	0.10	0.00	0.00	39	119	5.8	36	0.00
3	0.00	0.00	2.0	67	17	0.00	0.00	12	46	0.03	11	0.00
4	0.00	0.00	1.5	31	6.3	0.00	0.00	2.6	23	0.00	12	0.00
5	0.00	0.00	1.4	88	12	53	0.00	0.30	8.3	0.00	174	0.00
6	0.00	0.00	1.1	41	61	176	0.00	0.00	2.2	0.00	45	0.00
7	0.00	0.00	0.46	20	33	47	0.00	0.00	0.81	0.00	15	0.00
8	0.00	0.00	0.00	11	16	22	0.00	0.00	0.00	0.00	3.6	0.00
9	0.00	0.00	0.00	4.9	7.2	11	0.00	0.00	0.00	0.00	1.4	0.00
10	0.00	0.00	7.7	2.3	3.5	3.6	0.00	0.00	0.08	0.00	0.54	0.00
11	0.00	0.00	7.4	1.4	1.8	1.4	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	e65	3.4	0.23	1.1	0.13	2.5	0.00	59	0.00	0.00	0.00
13	0.00	49	2.2	0.00	0.07	0.00	11	0.00	44	0.00	0.00	0.00
14	0.00	8.9	2.7	0.00	0.00	0.00	9.8	0.00	10	0.00	0.00	0.00
15	0.00	4.7	3.2	0.00	0.00	0.00	0.78	2.3	0.84	0.00	0.00	0.00
16	0.00	0.71	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	73	0.00	0.00	0.00	0.00	0.00	0.00	6.2	0.00	88
18	0.00	5.6	35	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21
19	0.00	29	21	1.1	0.00	0.00	0.00	6.3	10	0.00	0.00	2.2
20	0.00	11	10	0.88	0.00	0.00	0.00	0.31	0.15	0.00	0.00	0.20
21	0.00	2.3	3.9	0.24	0.00	0.00	3.9	0.00	0.00	0.00	0.00	0.00
22	0.00	0.55	2.9	0.00	0.00	0.00	20	0.00	0.00	28	0.00	0.00
23	0.00	0.00	5.2	0.00	0.00	0.00	20	0.00	0.00	0.15	0.00	0.00
24	0.00	0.12	28	0.00	0.00	0.00	9.1	0.00	0.00	0.00	0.00	0.00
25	0.00	0.01	16	0.00	0.00	0.00	5.4	0.00	16	0.00	0.00	0.00
26	0.00	0.00	6.9	1.3	0.00	0.00	1.4	35	0.71	0.00	0.00	0.00
27	0.00	1.1	3.3	2.9	0.00	0.00	0.02	169	0.00	0.00	0.00	0.00
28	0.00	67	1.8	1.3	0.00	0.00	0.00	313	0.00	0.00	1.5	0.00
29	0.00	45	1.1	0.89	0.00	0.00	0.00	64	0.00	0.00	20	0.00
30	0.00	22	9.7	0.22	---	0.93	0.00	371	0.00	0.21	0.00	0.00
31	0.00	---	2.0	0.00	---	0.00	---	1,180	---	546	0.00	---
TOTAL	0.00	311.99	303.26	432.36	159.07	315.06	83.90	2,194.81	486.09	586.39	441.04	111.40
MEAN	0.00	10.4	9.78	13.9	5.49	10.2	2.80	70.8	16.2	18.9	14.2	3.71
MAX	0.00	67	73	154	61	176	20	1,180	146	546	174	88
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

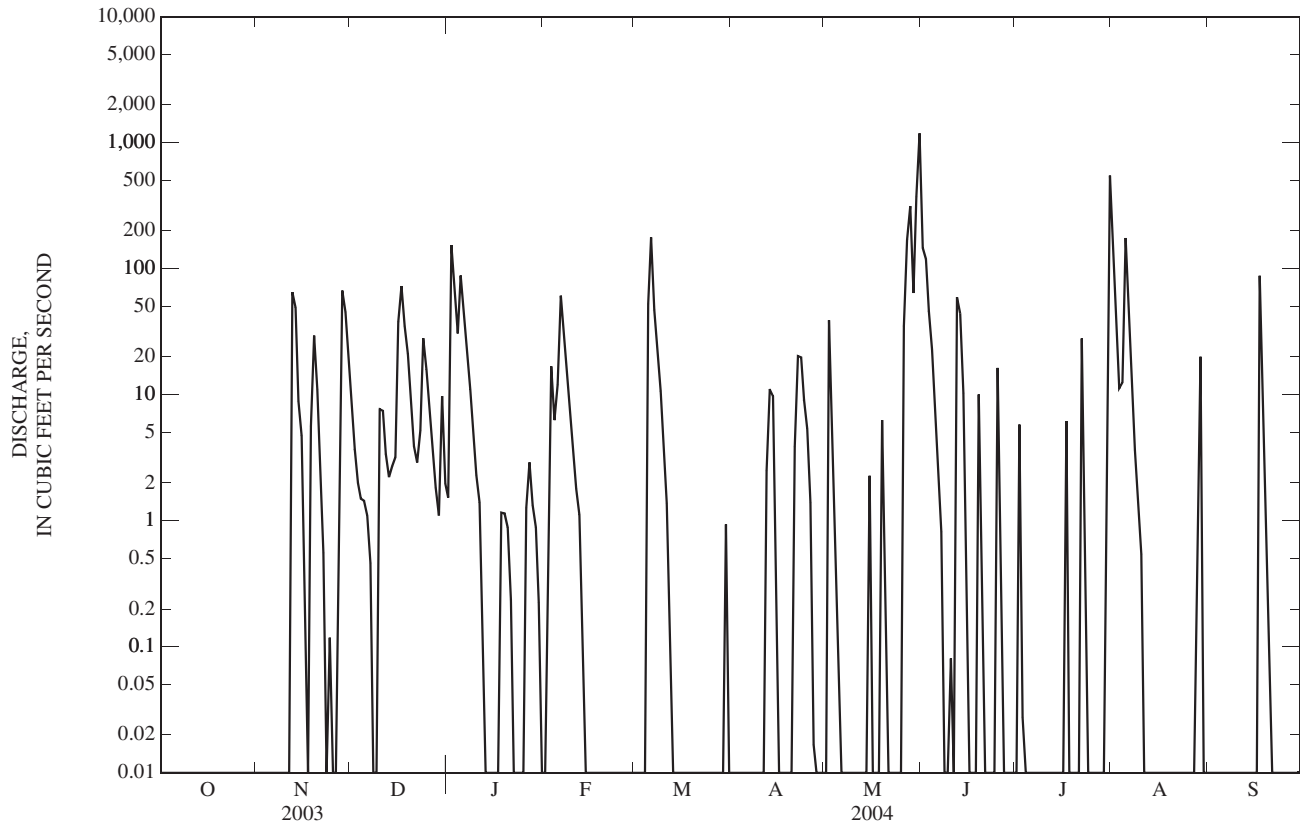
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1.59	7.17	6.31	4.89	12.2	13.5	2.73	17.6	4.60	3.65	2.52	1.77
MAX	7.88	23.7	14.6	13.9	35.0	50.3	11.3	70.8	16.2	18.9	14.2	3.71
(WY)	(2003)	(2003)	(2003)	(2004)	(2003)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	0.00	0.00	0.00	0.00	0.15	0.30	0.00	0.03	0.01	0.00	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(1999)	(2000)	(2001)	(1999)	(1999)	(1999)

03288200 CANE RUN AT BERE A ROAD NEAR DONERAIL, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	2,839.88		5,425.37		7.18	
ANNUAL MEAN	7.78		14.8		14.8	
HIGHEST ANNUAL MEAN					1.99	
LOWEST ANNUAL MEAN					1,180	
HIGHEST DAILY MEAN	299	Feb 16	1,180	May 31	1,180	May 31, 2004
LOWEST DAILY MEAN	0.00	Jan 8	0.00	Oct 1	0.00	Feb 17, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 8	0.00	Oct 1	0.00	Feb 17, 1999
MAXIMUM PEAK FLOW			3,420	May 30	3,420	May 30, 2004
MAXIMUM PEAK STAGE			9.63	May 30	9.63	May 30, 2004
INSTANTANEOUS LOW FLOW					0.00	Oct 1, 2001
10 PERCENT EXCEEDS	22		28		12	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



03289000 SOUTH ELKHORN CREEK AT FORT SPRING, KY

LOCATION.--Lat 38°02'35", long 84°37'35", Fayette County, Hydrologic Unit 05100205, on downstream side of bridge on Fort Spring Road at U.S. Highway 60 at Fort Spring, 1.7 mi upstream from Shannon Run, 6.5 mi west of Lexington, and at mile 42.6.

DRAINAGE AREA.--24.0 mi², of which about 3.0 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--March 1950 to September 1992, October 1997 to current year.

REVISED RECORDS.--WSP 1275: 1951-52. WSP 1505: Drainage area. WSP 1625: 1951-52 (P).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 834.25 ft above NGVD of 1929. Prior to Aug. 12, 1952, and Feb. 18 to Nov. 16, 1965, nonrecording gage and crest-stage gage at same site and datum.

REMARKS.- Records fair.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	2035	958	9.13	May 28	0345	1,440	10.23
Nov 28	0955	535	7.86	May 30	1425	737	8.52
Dec 16	2125	502	7.74	May 31	0120	*1,960	*11.17
Jan 2	1145	669	8.31	Jul 2	1900	641	8.22
Mar 5	2350	1,060	9.38	Jul 31	1135	962	9.14
May 27	0535	524	7.82				

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

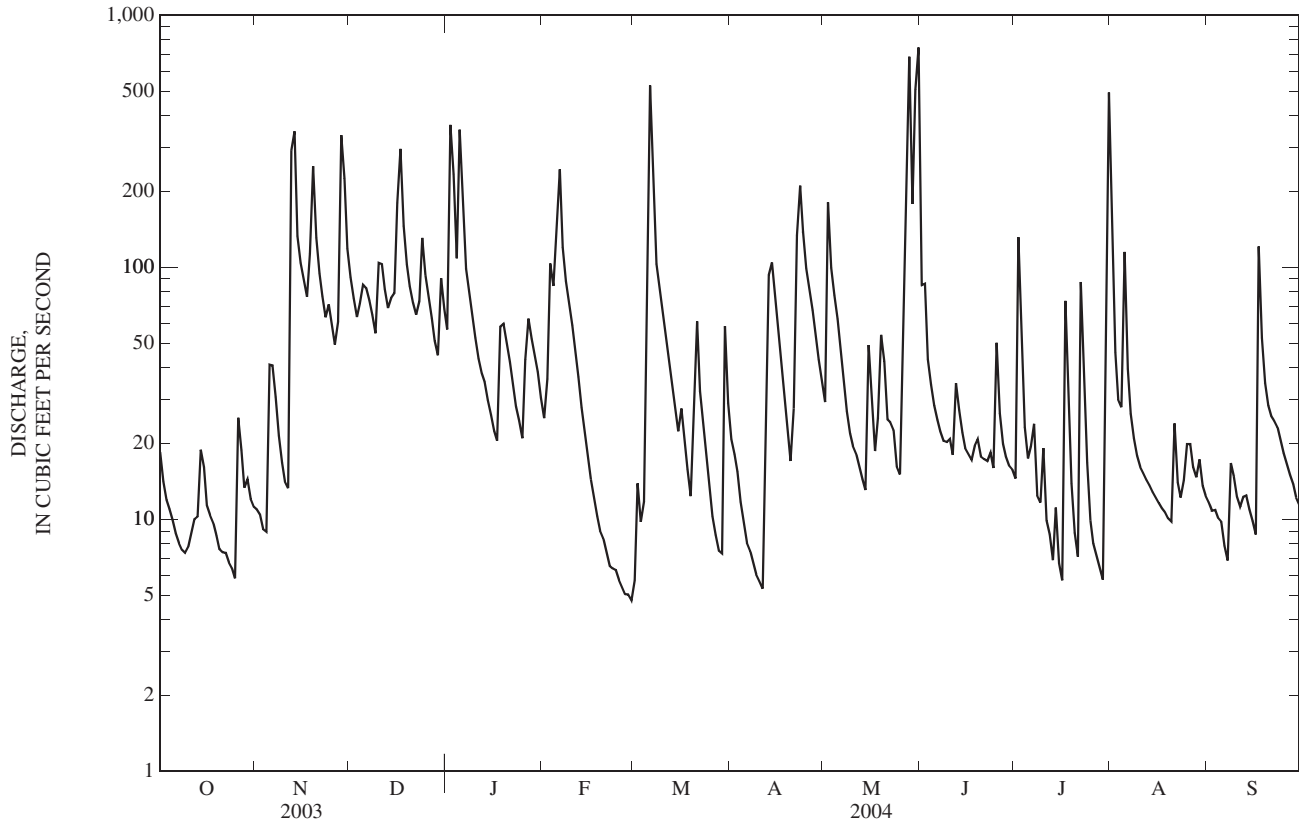
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	11	91	57	25	5.7	21	29	85	15	106	12
2	14	10	75	367	36	14	18	181	86	132	46	11
3	12	9.2	64	234	103	9.8	15	99	43	48	30	11
4	11	8.9	72	109	84	12	12	77	34	23	28	10
5	9.9	41	85	351	143	146	9.8	63	28	17	115	9.8
6	8.8	41	83	173	244	525	8.1	47	25	19	39	7.9
7	8.1	31	74	99	120	205	7.5	35	22	24	26	6.9
8	7.6	21	65	79	88	103	6.8	27	21	12	21	17
9	7.4	17	55	66	72	82	6.0	22	20	12	18	15
10	7.8	14	104	53	59	67	5.7	20	21	19	16	12
11	8.8	13	103	43	47	54	5.3	18	18	9.9	15	11
12	10	291	82	38	37	43	36	16	35	8.7	14	12
13	10	346	69	35	28	34	93	14	27	6.9	14	12
14	19	133	76	30	22	28	104	13	22	11	13	11
15	16	104	79	26	18	22	78	49	19	6.7	12	9.8
16	11	89	180	22	14	28	58	28	18	5.7	12	8.7
17	10	76	294	21	12	21	43	19	17	73	11	121
18	9.7	113	146	58	10	16	31	25	20	31	11	52
19	8.6	251	102	60	9.0	12	23	54	21	14	10	35
20	7.6	131	84	50	8.4	24	17	42	18	8.9	9.8	28
21	7.4	94	72	42	7.4	61	28	25	17	7.1	24	26
22	7.4	77	65	35	6.5	32	134	24	17	87	14	25
23	6.7	63	73	28	6.4	24	210	23	18	38	12	23
24	6.4	71	131	25	6.3	18	139	16	16	17	14	21
25	5.8	59	93	21	5.7	13	99	15	50	9.9	20	18
26	25	49	76	43	5.4	10	82	55	26	8.0	20	17
27	19	61	63	63	5.1	8.7	68	255	20	7.2	16	15
28	13	334	51	52	5.0	7.5	55	683	18	6.4	15	14
29	14	225	45	44	4.8	7.3	43	178	16	5.8	17	12
30	12	119	90	39	---	58	35	506	16	18	14	11
31	11	---	68	30	---	29	---	744	---	493	12	---
TOTAL	344.0	2,903.1	2,810	2,393	1,232.0	1,720.0	1,491.2	3,402	814	1,194.2	744.8	595.1
MEAN	11.1	96.8	90.6	77.2	42.5	55.5	49.7	110	27.1	38.5	24.0	19.8
MAX	25	346	294	367	244	525	210	744	86	493	115	121
MIN	5.8	8.9	45	21	4.8	5.7	5.3	13	16	5.7	9.8	6.9
CFSM	0.52	4.56	4.28	3.64	2.00	2.62	2.34	5.18	1.28	1.82	1.13	0.94
IN.	0.60	5.09	4.93	4.20	2.16	3.02	2.62	5.97	1.43	2.10	1.31	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	9.67	24.1	51.1	49.7	65.8	68.6	43.8	36.4	21.3	16.1	11.9	10.4
MAX	68.7	137	198	159	227	172	145	156	83.2	97.0	68.0	81.4
(WY)	(2003)	(2003)	(1979)	(1951)	(1989)	(1964)	(1972)	(1983)	(1960)	(1958)	(1974)	(1979)
MIN	0.00	0.09	0.86	4.43	6.48	11.0	10.3	3.92	1.14	0.66	0.01	0.02
(WY)	(1954)	(1954)	(1954)	(1981)	(1954)	(1954)	(1971)	(1952)	(1954)	(1951)	(1965)	(1953)

03289000 SOUTH ELKHORN CREEK AT FORT SPRING, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	23,733.8		19,643.4		33.9	
ANNUAL MEAN	65.0		53.7		74.6	
HIGHEST ANNUAL MEAN					6.75	
LOWEST ANNUAL MEAN					1,470	
HIGHEST DAILY MEAN	1,470	Feb 16	744	May 31	1,470	Feb 16, 2003
LOWEST DAILY MEAN	4.6	Jan 28	4.8	Feb 29	0.00	Aug 6, 1951
ANNUAL SEVEN-DAY MINIMUM	5.3	Jan 22	5.4	Feb 24	0.00	Aug 19, 1951
MAXIMUM PEAK FLOW			1,960	May 31	2,280	Feb 15, 1989
MAXIMUM PEAK STAGE			11.17	May 31	12.13	Sep 21, 1979
INSTANTANEOUS LOW FLOW					0.00	Aug 6, 1951
ANNUAL RUNOFF (CFSM)	3.07		2.53		1.60	
ANNUAL RUNOFF (INCHES)	41.65		34.47		21.72	
10 PERCENT EXCEEDS	131		110		83	
50 PERCENT EXCEEDS	31		23		12	
90 PERCENT EXCEEDS	8.7		8.1		1.5	



03289193 WOLF RUN AT OLD FRANKFORT PIKE AT LEXINGTON, KY

LOCATION.--Lat 38°04'00", long 84°33'16", Fayette County, Hydrologic Unit 05100205, on left bank, downstream side of bridge on Old Frankfort Pike (1681), at Lexington 0.3 mile southeast of the intersection of Old Frankfort Pike and Viley Road, 0.7 mile northwest of the intersection of Old Frankfort Pike and New Circle Road (Hwy 4), and 0.5 mile above mouth.

DRAINAGE AREA.--9.57 mi².

PERIOD OF RECORD.--October 1997 to current year.

REVISED RECORDS.--The maximum discharges for some water years have been revised as shown in the following table. They supersede figures published in WRD 1998, 1999, 2000, 2001, 2002 and 2003.

GAGE.--Water-stage recorder with telemetry. Elevation of gage is 862.31 ft above NGVD of 1929.

REMARKS.--Records good.

COOPERATION.--Lexington-Fayette Urban County Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1650	1,730	6.27	Jun 12	1655	1,300	5.68
Mar 5	1945	1,270	5.63	Jul 22	0830	1,270	5.64
May 19	1630	1,520	5.99	Jul 31	0730	1,310	5.70
May 28	0010	1,760	6.31	Jul 31	1230	2,030	6.63
May 30	2035	*2,710	*7.32	Aug 5	0225	1,020	5.23
May 31	0220	2,120	6.73				

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	e13	3.6	22	15	9.5	13	9.3	9.7	109	6.2	100	5.8
2	e9.8	3.1	16	155	22	9.6	9.4	85	113	53	50	4.8
3	e7.6	2.5	12	62	40	15	7.8	29	54	19	27	4.8
4	e6.5	2.3	25	52	23	9.2	6.9	19	40	14	38	4.2
5	e5.1	34	25	98	57	186	6.2	15	26	13	158	3.7
6	e3.9	13	18	52	63	114	5.6	12	19	18	42	3.4
7	e3.0	7.6	14	35	42	53	5.1	9.7	16	14	23	3.1
8	e2.4	5.7	12	25	29	33	4.6	8.3	12	7.7	15	26
9	e2.0	4.6	11	21	22	23	4.4	7.4	24	25	11	7.4
10	e2.3	3.9	41	16	17	17	4.3	6.8	18	11	9.4	5.7
11	e3.3	3.5	26	13	14	13	4.1	6.2	10	8.0	8.0	4.7
12	e4.7	230	18	12	11	11	35	5.7	129	7.3	7.6	5.8
13	e5.2	64	15	11	9.8	9.6	44	5.3	45	6.4	6.8	6.4
14	22	31	27	9.5	8.6	9.1	35	7.7	31	10	6.1	4.7
15	5.0	36	25	8.6	7.7	8.2	21	47	18	5.8	5.5	3.9
16	3.7	21	68	7.9	7.0	13	15	13	17	5.5	5.2	3.7
17	3.3	16	65	8.5	6.5	8.3	12	9.7	19	71	4.9	197
18	2.9	44	46	32	5.8	7.4	9.8	43	18	15	4.1	45
19	2.5	54	33	16	5.5	6.6	8.4	184	34	8.9	3.0	22
20	2.2	33	23	14	5.1	17	7.6	54	13	7.3	20	14
21	1.9	22	19	12	4.8	11	32	27	11	6.5	25	11
22	1.8	16	15	8.9	4.5	7.2	62	23	11	146	6.7	8.9
23	1.6	12	36	8.2	4.5	6.4	61	15	10	22	5.2	7.6
24	1.5	26	39	7.4	4.3	5.8	37	15	8.7	12	13	6.7
25	1.4	12	26	6.8	4.0	5.5	33	13	52	8.9	27	6.0
26	25	9.8	20	24	3.9	5.2	21	41	13	7.5	15	5.3
27	7.4	31	16	23	3.7	4.8	16	192	8.8	6.6	8.9	4.8
28	5.9	93	13	14	3.6	4.6	12	268	7.6	5.9	30	4.3
29	5.7	50	23	12	3.4	11	10	65	7.0	5.5	26	3.9
30	4.0	32	33	11	---	32	8.8	591	6.7	34	9.5	3.7
31	3.4	---	17	10	---	11	---	580	---	557	7.0	---
TOTAL	170.0	916.6	799	800.8	442.2	680.5	548.3	2,407.5	900.8	1,138.0	717.9	438.3
MEAN	5.48	30.6	25.8	25.8	15.2	22.0	18.3	77.7	30.0	36.7	23.2	14.6
MAX	25	230	68	155	63	186	62	591	129	557	158	197
MIN	1.4	2.3	11	6.8	3.4	4.6	4.1	5.3	6.7	5.5	3.0	3.1
CFSM	0.57	3.19	2.69	2.70	1.59	2.29	1.91	8.12	3.14	3.84	2.42	1.53
IN.	0.66	3.56	3.11	3.11	1.72	2.65	2.13	9.36	3.50	4.42	2.79	1.70

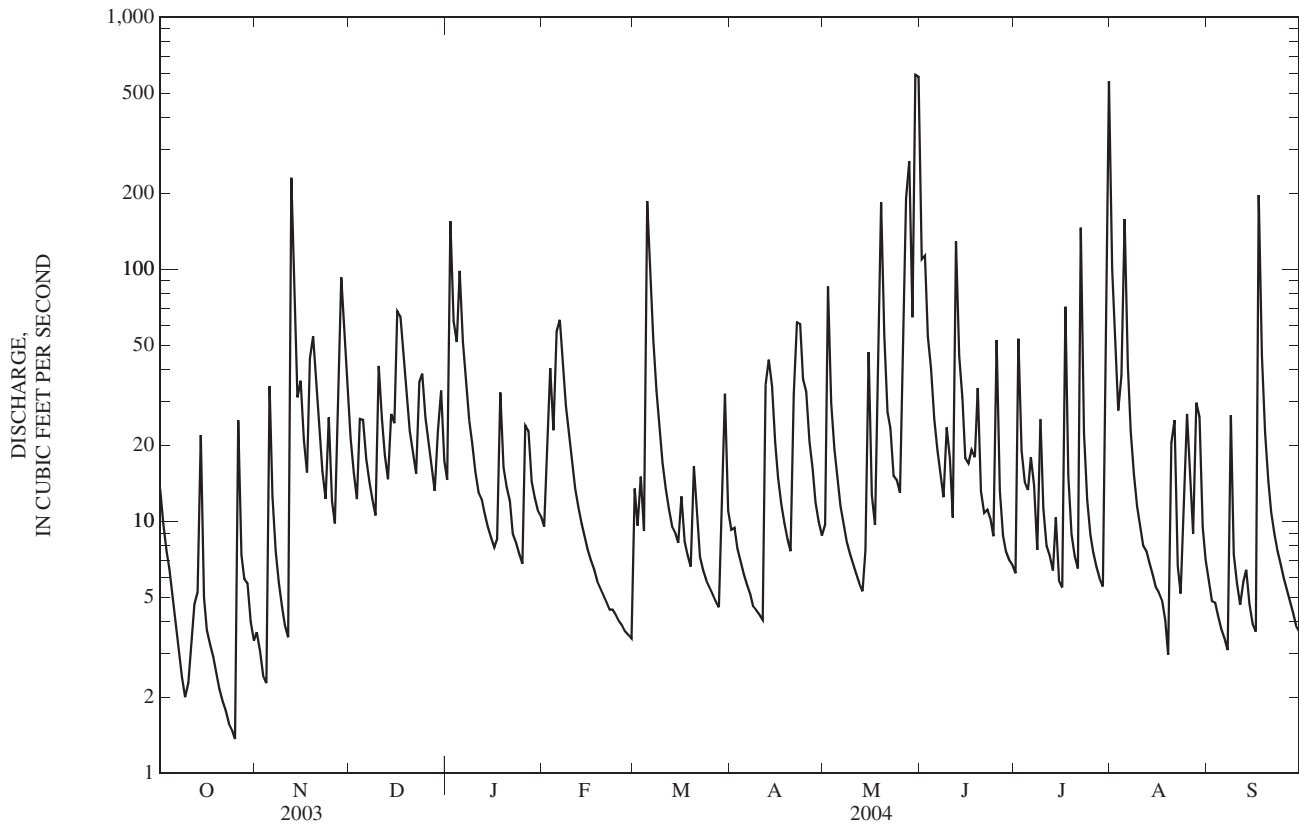
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	7.11	13.0	15.4	18.5	23.0	22.5	16.9	31.1	22.8	18.7	9.56	10.2
MAX	22.9	33.3	25.8	37.7	51.3	47.3	30.5	77.7	61.8	44.6	24.1	24.8
(WY)	(2003)	(2003)	(2004)	(1999)	(2003)	(2002)	(2002)	(2004)	(1998)	(1998)	(2003)	(2003)
MIN	1.59	2.45	5.19	6.31	6.35	11.2	5.84	5.82	5.10	2.21	1.58	1.37
(WY)	(2001)	(2000)	(2000)	(2001)	(2002)	(2003)	(2001)	(1999)	(2002)	(2002)	(2002)	(1999)

03289193 WOLF RUN AT OLD FRANKFORT PIKE AT LEXINGTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	9,361.8		9,959.9		17.4	
ANNUAL MEAN	25.6		27.2		27.2	
HIGHEST ANNUAL MEAN					9.93	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	421	May 9	591	May 30	717	Jul 20, 1998
LOWEST DAILY MEAN	1.4	Oct 25	1.4	Oct 25	0.34	Oct 13, 1997
ANNUAL SEVEN-DAY MINIMUM	1.8	Oct 19	1.8	Oct 19	0.42	Oct 7, 1997
MAXIMUM PEAK FLOW			2,710	May 30	3,120	Jun 29, 1998
MAXIMUM PEAK STAGE			7.32	May 30	7.97	Jun 29, 1998
INSTANTANEOUS LOW FLOW					0.00	Dec 9, 1999
ANNUAL RUNOFF (CFSM)	2.68		2.84		1.82	
ANNUAL RUNOFF (INCHES)	36.39		38.72		24.66	
10 PERCENT EXCEEDS	58		52		36	
50 PERCENT EXCEEDS	12		12		6.9	
90 PERCENT EXCEEDS	4.0		4.0		1.2	

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03289200 TOWN BRANCH AT YARNALLTON ROAD AT YARNALLTON, KY

LOCATION.--Lat 38°06'13", long 84°35'17", Fayette County, Hydrologic Unit 05100205, on the left bank, downstream side of bridge on Yarnallton Road (1977), 0.5 mile southwest of Leestown Road (HWY 421), 1.1 miles northeast of Old Frankfort Pike (HWY 1681), 0.2 mile Southwest of Yarnallton, KY.

DRAINAGE AREA.--30.0 mi².

PERIOD OF RECORD.--October 1997 to current year.

REVISED RECORDS.--The maximum discharges for some water years have been revised as shown in the following table. They supersede figures published in WRD 1998, 1999, 2000, 2001, 2002, and 2003.

Date	Discharge (ft ³ /s)	Gage height (ft)	Date	Discharge (ft ³ /s)	Gage height (ft)
Jun 29, 1998	5,390	9.12	Dec 16, 2000	1,520	5.48
Jan 9, 1999	995	4.34	Mar 20, 2002	2,440	6.81
Feb 18, 2000	2,040	6.29	May 9, 2003	2,320	6.65

GAGE.--Water-stage recorder with telemetry. Elevation of gage is 822.365 ft above NGVD of 1929.

REMARKS.--Records good except for those estimated, which are poor. Flow regulated by a Sewage Treatment Plant and Federal Correctional Institute upstream.

COOPERATION.--Lexington-Fayette County Urban Government.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	0920	1,170	4.84	Jun 12	2010	1,470	5.39
Mar 5	2310	1,800	5.94	Jul 22	1135	1,350	5.19
May 19	1935	1,460	5.38	Jul 31	1535	3,500	7.83
May 27	0450	1,190	4.88	Aug 5	0540	1,620	5.65
May 28	0350	2,370	6.72	Sep 17	1040	1,330	5.14
May 30	2340	*5,890	*9.38				

03289200 TOWN BRANCH AT YARNALLTON ROAD AT YARNALLTON, KY—Continued

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	63	37	120	89	68	55	64	67	571	40	433	52
2	49	35	94	524	93	74	63	342	516	126	234	46
3	43	33	80	291	190	75	57	185	290	94	157	47
4	41	35	102	204	136	73	52	136	219	69	174	41
5	37	e105	114	401	214	307	51	112	158	57	564	37
6	38	e76	94	239	293	555	51	94	122	66	220	34
7	37	59	83	179	217	259	49	83	102	88	145	35
8	36	49	77	140	163	182	49	73	85	54	108	96
9	35	43	71	119	135	138	48	67	92	75	87	60
10	33	40	147	98	116	110	44	66	97	77	74	49
11	33	42	135	85	97	91	42	66	68	52	64	42
12	31	e430	107	81	87	80	124	66	298	47	60	49
13	32	e661	90	74	77	69	177	61	204	43	53	59
14	65	e300	111	69	70	63	165	59	146	61	48	60
15	53	e145	120	65	64	61	120	171	99	43	42	47
16	43	e120	243	61	62	71	96	86	89	38	42	39
17	39	e100	283	58	60	59	82	69	91	201	41	562
18	36	e120	210	125	55	55	73	145	91	105	39	236
19	33	e324	166	97	54	54	69	364	140	69	37	137
20	33	e160	128	86	52	62	66	208	81	56	44	102
21	33	113	107	79	49	68	116	126	69	47	125	80
22	33	87	94	74	46	55	233	107	64	328	51	67
23	32	73	130	67	46	53	234	83	59	125	45	59
24	31	103	192	63	46	48	169	76	50	83	58	52
25	29	74	139	60	45	46	153	86	147	64	75	46
26	e92	66	116	112	45	45	123	213	82	57	78	42
27	e65	104	97	129	44	43	102	652	59	50	60	41
28	48	341	84	103	42	42	88	973	52	46	113	39
29	51	223	86	91	41	44	77	333	47	42	152	37
30	42	156	159	83	---	141	73	936	43	87	75	36
31	39	---	103	74	---	73	---	2,240	---	1,440	61	---
TOTAL	1,305	4,254	3,882	4,020	2,707	3,151	2,910	8,345	4,231	3,830	3,559	2,329
MEAN	42.1	142	125	130	93.3	102	97.0	269	141	124	115	77.6
MAX	92	661	283	524	293	555	234	2,240	571	1,440	564	562
MIN	29	33	71	58	41	42	42	59	43	38	37	34
CFSM	1.40	4.73	4.17	4.32	3.11	3.39	3.23	8.97	4.70	4.12	3.83	2.59
IN.	1.62	5.27	4.81	4.98	3.36	3.91	3.61	10.35	5.25	4.75	4.41	2.89

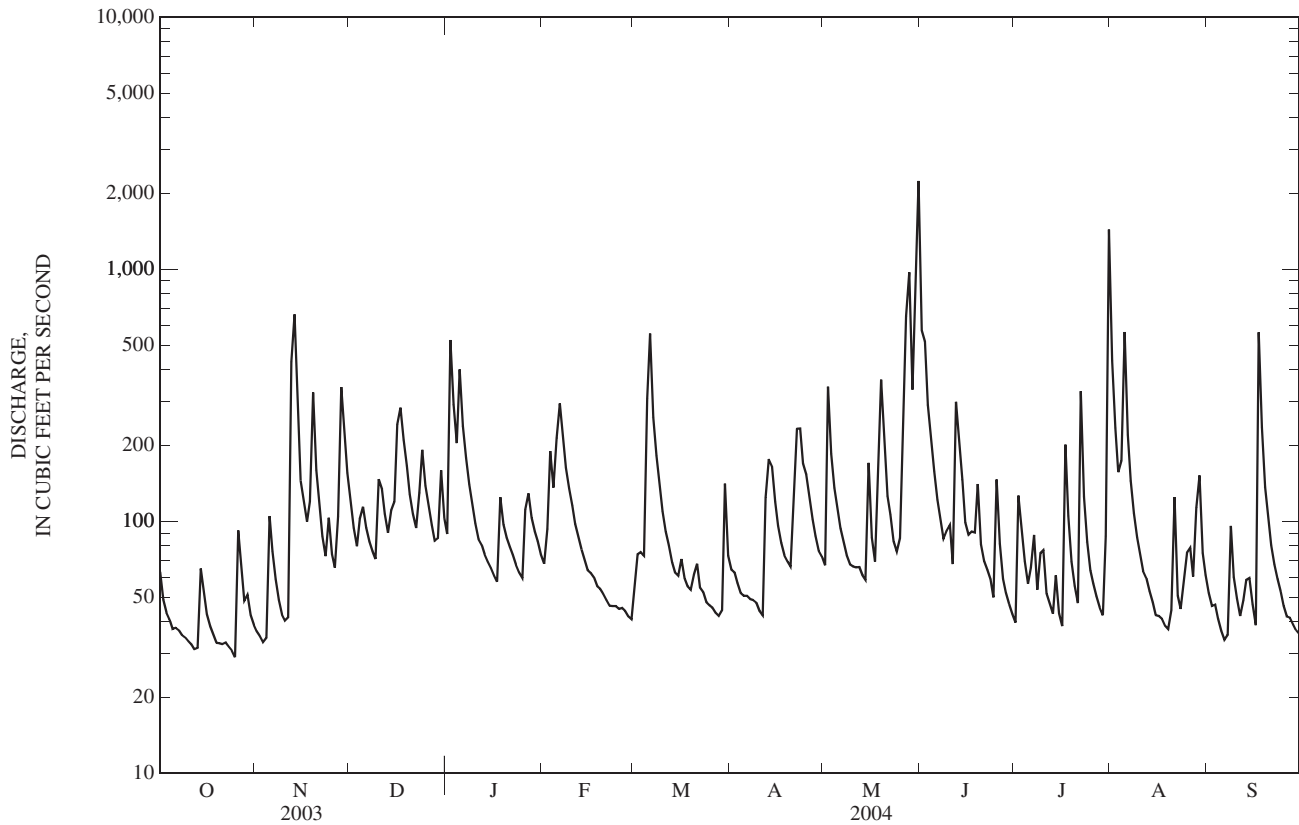
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	48.6	69.0	78.3	85.1	114	108	86.8	137	113	85.4	56.6	58.3
MAX	108	152	125	130	193	190	127	269	284	199	115	89.0
(WY)	(2003)	(2003)	(2004)	(2004)	(2003)	(2002)	(1998)	(2004)	(1998)	(1998)	(2004)	(2003)
MIN	32.1	32.0	41.2	47.8	51.5	67.5	49.6	46.5	46.4	32.3	30.3	24.9
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(1999)	(2000)	(2001)	(2002)	(2002)	(1999)

03289200 TOWN BRANCH AT YARNALLTON ROAD AT YARNALLTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	38,303		44,523		86.5	
ANNUAL MEAN	105		122		122	
HIGHEST ANNUAL MEAN					60.8	
LOWEST ANNUAL MEAN					2,240	
HIGHEST DAILY MEAN	904	May 9	2,240	May 31	2,240	May 31, 2004
LOWEST DAILY MEAN	29	Sep 21	29	Oct 25	17	Nov 29, 1997
ANNUAL SEVEN-DAY MINIMUM	31	Jan 22	32	Oct 19	22	Sep 13, 1999
MAXIMUM PEAK FLOW			5,890	May 30	5,890	May 30, 2004
MAXIMUM PEAK STAGE			9.38	May 30	9.38	May 30, 2004
INSTANTANEOUS LOW FLOW					13	Jul 16, 2001
ANNUAL RUNOFF (CFSM)	3.50		4.05		2.88	
ANNUAL RUNOFF (INCHES)	47.50		55.21		39.17	
10 PERCENT EXCEEDS	218		221		166	
50 PERCENT EXCEEDS	67		74		54	
90 PERCENT EXCEEDS	35		41		27	

e Estimated



03289300 SOUTH ELKHORN CREEK NEAR MIDWAY, KY

LOCATION.--Lat 38°08'27", long 84°38'43", Scott County, Hydrologic Unit 05100205, on right bank, 5 ft upstream from bridge on U.S. Route 62/421, 2.2 mi southeast of Midway, 6.5 mi downstream from Town Branch, and at mile 27.6.

DRAINAGE AREA.--95.0 mi², of which about 12 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--September 1982 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 790 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records good except for those estimated, which are poor. Water is diverted from the Kentucky River for use by the city of Lexington and is discharged into Town Branch at a site 17 mi above gage. Discharge partially regulated by low-head turbine, 1 mile upstream, since October 1989. Regulation does not effect peak discharge.

COOPERATION.--Kentucky River Authority.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	0430	1,730	11.39	May 28	1530	3,130	15.47
Nov 28	1900	1,090	9.26	May 31	1400	*8,120	*22.47
Dec 17	0500	1,140	9.45	Jun 13	0200	1,020	9.01
Jan 2	1830	1,740	11.42	Aug 1	0000	3,530	16.38
Jan 5	1330	1,120	9.36	Aug 5	1200	1,540	10.78
Mar 6	0930	2,370	13.37	Sep 17	1730	1,470	10.53
May 27	1400	1,700	11.27				

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

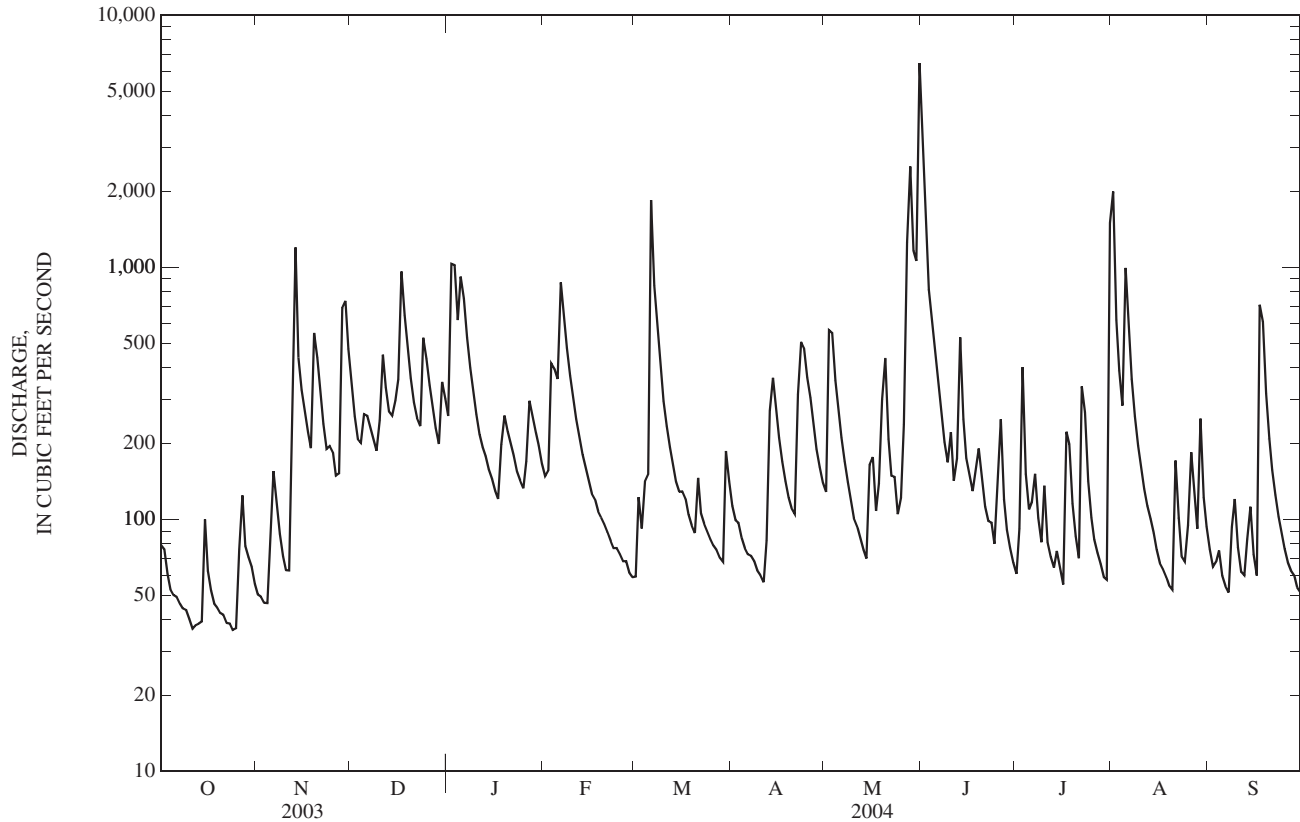
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	50	340	257	148	59	113	128	2,750	61	2,000	76
2	76	49	257	1,030	156	122	99	563	1,390	92	616	65
3	61	47	207	1,020	416	92	97	548	817	401	390	68
4	53	47	201	618	396	142	85	356	571	152	283	75
5	50	81	261	917	360	151	77	267	420	110	993	60
6	49	155	257	752	872	1,840	73	211	316	117	577	54
7	46	116	231	527	660	846	72	170	252	152	361	51
8	44	88	209	399	479	550	69	141	203	101	256	93
9	44	71	187	324	372	386	63	119	168	81	196	120
10	40	63	247	261	305	294	60	101	222	136	158	78
11	37	63	450	217	250	235	56	94	142	81	132	62
12	38	275	334	193	213	193	82	85	174	71	113	60
13	38	1,200	268	178	181	163	270	76	527	64	101	83
14	39	438	258	157	159	141	364	70	250	75	88	112
15	100	326	296	145	143	129	275	165	175	64	76	73
16	63	268	360	130	126	129	211	176	150	55	67	60
17	52	222	962	120	120	121	170	108	130	223	63	710
18	46	192	644	199	107	105	142	139	159	199	59	609
19	45	549	482	258	102	95	122	300	191	115	55	316
20	43	438	363	223	96	88	111	436	149	86	53	210
21	42	318	291	199	89	146	105	209	112	70	171	157
22	39	239	253	179	82	105	314	149	98	337	102	125
23	39	191	235	155	77	96	506	147	97	266	71	103
24	36	196	525	142	77	89	478	105	80	142	68	87
25	37	184	435	133	73	83	366	122	141	102	95	76
26	76	149	341	170	68	79	304	238	249	83	184	67
27	124	152	276	295	68	76	234	1,250	120	74	131	63
28	78	689	230	257	61	71	190	2,510	91	66	92	60
29	71	735	199	221	59	68	161	1,160	77	59	251	54
30	65	476	351	196	---	187	140	1,060	67	58	122	51
31	55	---	301	166	---	142	---	6,460	---	1,500	94	---
TOTAL	1,705	8,067	10,251	10,038	6,315	7,023	5,409	17,663	10,288	5,193	8,018	3,878
MEAN	55.0	269	331	324	218	227	180	570	343	168	259	129
MAX	124	1,200	962	1,030	872	1,840	506	6,460	2,750	1,500	2,000	710
MIN	36	47	187	120	59	59	56	70	67	55	53	51
CFSM	0.52	2.56	3.15	3.08	2.07	2.16	1.72	5.43	3.27	1.60	2.46	1.23
IN.	0.60	2.86	3.63	3.56	2.24	2.49	1.92	6.26	3.64	1.84	2.84	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, BY WATER YEAR (WY)

MEAN	66.5	136	227	229	287	299	183	232	180	101	75.1	64.8
MAX	198	354	673	405	1,030	1,165	366	718	606	443	259	158
(WY)	(2003)	(2003)	(1991)	(1996)	(1989)	(1997)	(1984)	(1983)	(1997)	(1998)	(2004)	(2003)
MIN	24.5	21.1	42.6	50.4	114	60.1	61.0	35.9	39.5	30.7	22.5	16.4
(WY)	(2000)	(2000)	(2000)	(1986)	(1993)	(1983)	(1986)	(1999)	(1988)	(2002)	(1999)	(1999)

03289300 SOUTH ELKHORN CREEK NEAR MIDWAY, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004	
ANNUAL TOTAL	81,736		93,848		173	
ANNUAL MEAN	224		256		276	
HIGHEST ANNUAL MEAN					99.6	
LOWEST ANNUAL MEAN					10,700	
HIGHEST DAILY MEAN	1,700	Feb 16	6,460	May 31	10,700	Mar 2, 1997
LOWEST DAILY MEAN	33	Sep 20	36	Oct 24	3.1	Oct 8, 1994
ANNUAL SEVEN-DAY MINIMUM	40	Oct 8	40	Oct 8	8.5	Nov 18, 2000
MAXIMUM PEAK FLOW			8,120	May 31	12,300	Mar 2, 1997
MAXIMUM PEAK STAGE			22.47	May 31	26.37	Mar 2, 1997
INSTANTANEOUS LOW FLOW					0.00	Oct 7, 1992
ANNUAL RUNOFF (CFSM)	2.13		2.44		1.65	
ANNUAL RUNOFF (INCHES)	28.96		33.25		22.38	
10 PERCENT EXCEEDS	500		526		364	
50 PERCENT EXCEEDS	146		142		90	
90 PERCENT EXCEEDS	48		59		29	



03289500 ELKHORN CREEK NEAR FRANKFORT, KY

LOCATION.--Lat 38°16'07", long 84°48'53", Franklin County, Hydrologic Unit 05100205, on right bank, 50 ft downstream from bridge on State Highway 1900, 4.2 mi northeast of city limits of Frankfort, 7.4 mi downstream from confluence of North and South Elkhorn Creeks, and at mile 10.4.

DRAINAGE AREA.--473 mi² of which about 70 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--May 1915 to December 1920 (gage heights only, October 1918 to December 1920), December 1939 to August 1984, October 1987 to current year. Published as "at Forks of Elkhorn" 1915-20.

REVISED RECORDS.--WSP 1555: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is approximately 540.20 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to Aug. 31, 1970.

REMARKS.--Records good. City of Lexington diverts water from Hickman Creek in Kentucky River Basin for municipal water supply; return flow of which enters tributary above station.

COOPERATION.--Kentucky River Authority.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 2, 1932, reached a stage of about 17.5 ft, from information by local resident. Flood of January 1937 was about 0.3 ft lower.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 6	1530	7,610	9.30	Jun 1	0200	*18,600	*13.67
May 28	1630	8,320	9.70				

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

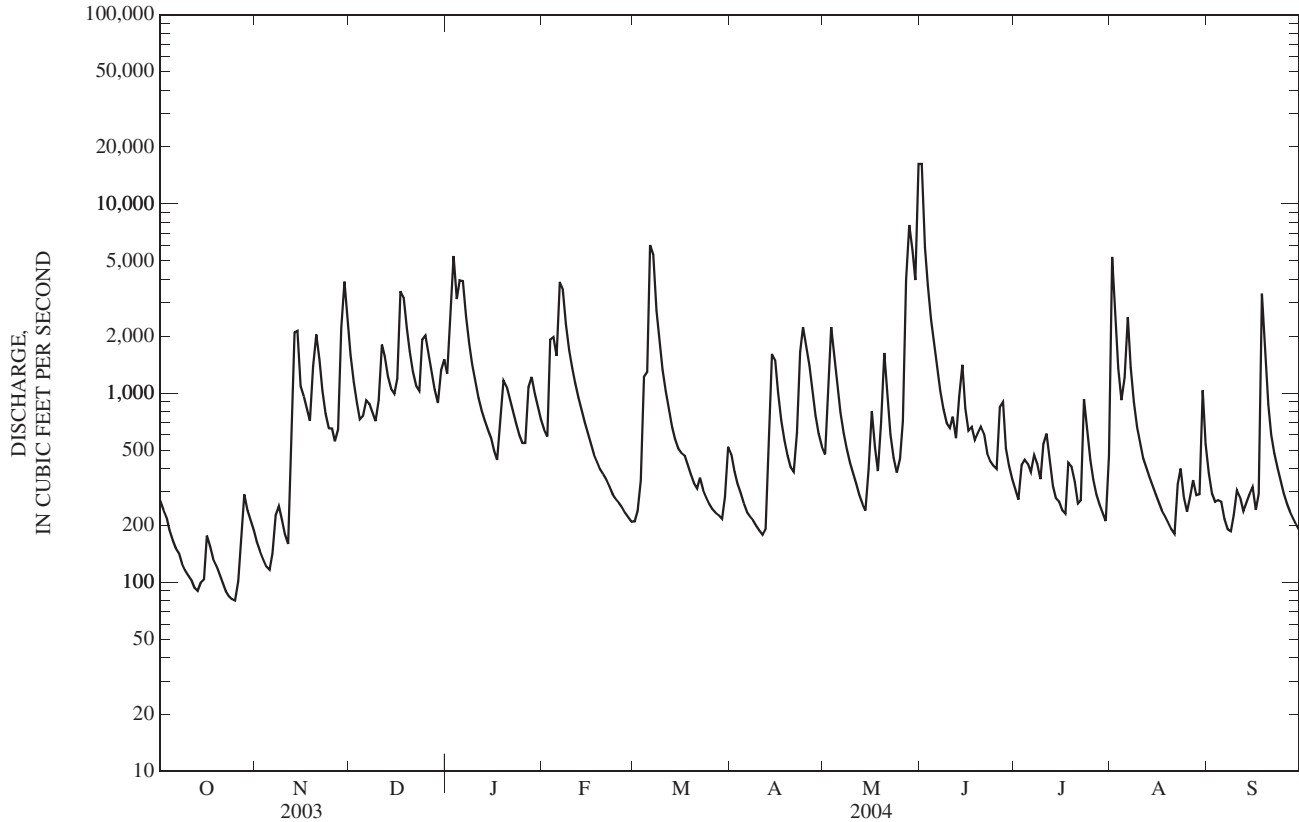
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	163	1,590	1,260	642	209	475	473	16,300	308	5,230	378
2	242	146	1,140	2,580	589	238	383	1,050	5,900	273	2,540	294
3	221	132	885	5,310	1,920	345	332	2,230	3,720	415	1,350	265
4	188	121	727	3,150	1,980	1,220	296	1,490	2,450	444	916	271
5	167	116	759	3,950	1,570	1,290	261	1,050	1,810	421	1,210	266
6	151	142	914	3,910	3,860	6,060	235	789	1,320	382	2,520	216
7	142	226	876	2,540	3,560	5,380	221	614	1,020	470	1,370	190
8	126	252	791	1,820	2,320	2,730	212	504	818	420	895	186
9	116	212	710	1,420	1,690	1,840	199	425	693	351	658	227
10	108	179	916	1,150	1,350	1,330	187	378	654	537	537	306
11	102	159	1,800	940	1,130	1,020	178	331	749	610	452	281
12	93	529	1,560	804	947	817	190	288	576	437	402	237
13	90	2,090	1,220	718	810	660	483	259	958	322	357	262
14	100	2,130	1,050	642	698	571	1,610	239	1,410	278	322	290
15	104	1,080	991	580	619	510	1,490	397	833	267	291	318
16	176	959	1,190	492	537	483	1,010	802	631	240	264	241
17	154	817	3,460	443	472	467	715	513	661	230	238	293
18	132	713	3,210	733	430	419	561	387	564	428	222	3,350
19	122	1,390	2,200	1,170	396	373	464	702	612	407	207	1,760
20	111	2,040	1,660	1,080	371	334	407	1,630	665	341	191	870
21	100	1,490	1,300	927	348	313	383	995	607	260	180	602
22	90	1,030	1,090	810	319	355	616	606	478	271	330	477
23	84	777	1,030	692	292	307	1,660	455	433	927	399	400
24	81	652	1,910	602	274	280	2,230	378	412	655	282	341
25	80	648	2,010	544	261	258	1,760	448	397	441	236	295
26	101	556	1,580	544	248	243	1,400	709	838	349	285	261
27	173	640	1,260	1,070	233	233	1,020	3,950	893	290	347	236
28	290	2,210	1,040	1,220	221	226	761	7,740	509	255	288	217
29	239	3,880	886	987	209	216	608	5,700	410	230	292	202
30	211	2,440	1,320	850	---	282	522	3,960	349	211	1,030	188
31	187	---	1,500	724	---	519	---	16,300	---	465	538	---
TOTAL	4,551	27,919	42,575	43,662	28,296	29,528	20,869	55,792	47,670	11,935	24,379	13,720
MEAN	147	931	1,373	1,408	976	953	696	1,800	1,589	385	786	457
MAX	290	3,880	3,460	5,310	3,860	6,060	2,230	16,300	16,300	927	5,230	3,350
MIN	80	116	710	443	209	209	178	239	349	211	180	186
CFSM	0.36	2.31	3.41	3.50	2.42	2.37	1.73	4.47	3.95	0.96	1.95	1.14
IN.	0.42	2.58	3.94	4.04	2.62	2.73	1.93	5.16	4.41	1.10	2.25	1.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)

	137	344	869	1,111	1,296	1,401	898	705	453	260	184	165
MEAN	1,012	1,467	3,138	4,630	4,438	4,309	3,332	3,747	2,686	1,708	963	2,101
(WY)	(1976)	(2003)	(1979)	(1950)	(1989)	(1964)	(1948)	(1983)	(1997)	(1998)	(1992)	(1979)
MIN	5.94	12.1	17.3	33.8	64.5	145	119	51.8	31.7	15.9	17.7	9.21
(WY)	(1944)	(1944)	(1944)	(1944)	(1944)	(1941)	(1918)	(1941)	(1944)	(1944)	(1948)	(1953)

03289500 ELKHORN CREEK NEAR FRANKFORT, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	334,262		350,896		650	
ANNUAL MEAN	916		959		1,103	
HIGHEST ANNUAL MEAN					126	
LOWEST ANNUAL MEAN					25,000	
HIGHEST DAILY MEAN	7,660	Feb 17	16,300	May 31	25,000	Feb 16, 1989
LOWEST DAILY MEAN	69	Sep 21	80	Oct 25	0.00	Jan 7, 1940
ANNUAL SEVEN-DAY MINIMUM	92	Oct 20	92	Oct 20	0.00	Jan 7, 1940
MAXIMUM PEAK FLOW			18,600	Jun 1	35,900	Mar 4, 1997
MAXIMUM PEAK STAGE			13.67	Jun 1	17.96	Mar 3, 1997
ANNUAL RUNOFF (CFSM)	2.28		2.38		1.61	
ANNUAL RUNOFF (INCHES)	30.90		32.44		21.94	
10 PERCENT EXCEEDS	2,270		2,020		1,620	
50 PERCENT EXCEEDS	477		510		213	
90 PERCENT EXCEEDS	122		188		35	



03290500 KENTUCKY RIVER AT LOCK 2, AT LOCKPORT, KY

LOCATION.--Lat 38°26'20", long 84°57'48", Henry County, Hydrologic Unit 05100205, on left bank at lock 2 at Lockport, 0.1 mi downstream from Sixmile Creek and at mile 31.0.

DRAINAGE AREA.--6,180 mi², of which about 196 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1925 to September 1930, March 1931 to September 1931, December 1931 to April 1932, October 1933 to September 1937, and July 1939 to current year. Monthly discharge only for some periods, published in WSP 1305. Monthly discharge only for June to January 1931, published in WSP 1305; figures of daily discharge published in WSP 698 are unreliable.

REVISED RECORDS.--WSP 1385: 1926-29, 1932, 1934-37, 1945. WSP 1555: Drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder with telemetry located in the lower pool at Lock 3. Datum of gage is 433.36 ft above NGVD of 1929. Prior to August 29, 1975, nonrecording gage at same site and datum. Auxiliary water-stage recorder with telemetry.

REMARKS.--Records good. Flow regulated by Herrington Lake beginning November 1925 (station 03286000), Buckhorn Lake beginning December 1960 (station 03280800), Carr Fork Lake beginning January 1976 (station 03277446), and by hydroelectric plant at lock 7.

COOPERATION.--U.S. Army Corps of Engineers, Louisville District.

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

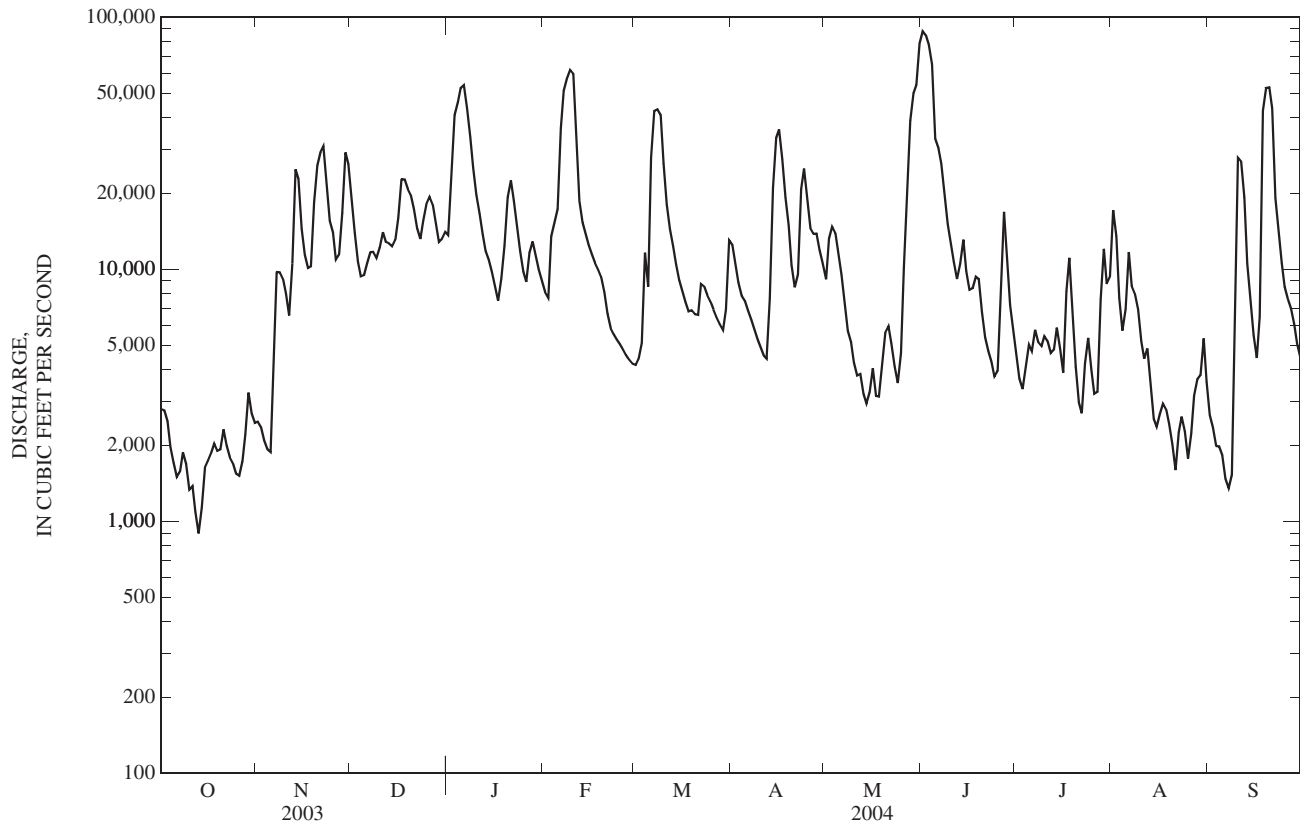
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,790	2,480	19,600	13,700	8,110	4,170	12,500	9,120	88,000	4,440	17,100	2,640
2	2,760	2,370	14,000	22,300	7,690	4,410	10,400	13,200	84,700	3,680	13,500	2,350
3	2,490	2,090	10,700	40,900	13,500	5,100	8,830	14,800	77,700	3,350	7,710	1,990
4	1,970	1,940	9,370	45,900	15,200	11,600	7,860	13,900	65,100	4,130	5,720	1,980
5	1,700	1,880	9,490	52,400	17,300	8,530	7,500	11,400	32,900	5,040	6,960	1,830
6	1,500	4,360	10,600	53,800	36,200	27,700	6,860	9,530	30,300	4,750	11,700	1,470
7	1,580	9,770	11,700	43,500	51,000	42,400	6,310	7,270	26,200	5,760	8,610	1,350
8	1,880	9,730	11,700	33,500	57,000	43,100	5,830	5,690	20,300	5,130	8,010	1,530
9	1,690	9,160	11,100	25,300	61,800	41,000	5,320	5,130	15,100	4,960	6,930	8,210
10	1,340	8,030	12,200	19,700	59,700	26,400	4,930	4,260	12,700	5,430	5,180	27,700
11	1,380	6,560	14,000	16,700	33,500	18,100	4,560	3,790	10,700	5,190	4,420	26,800
12	1,090	10,500	12,800	13,800	18,700	14,500	4,420	3,840	9,150	4,660	4,860	19,300
13	895	24,900	12,700	11,800	15,300	12,300	7,640	3,200	10,500	4,810	3,440	10,600
14	1,140	22,800	12,300	10,900	13,800	10,500	21,000	2,940	13,100	5,870	2,540	7,420
15	1,640	14,500	13,100	9,700	12,500	9,060	33,200	3,260	9,810	4,860	2,370	5,460
16	1,740	11,400	16,000	8,430	11,400	8,200	35,900	4,060	8,290	3,880	2,670	4,440
17	1,860	10,100	22,800	7,510	10,600	7,380	27,400	3,150	8,420	8,200	2,940	6,490
18	2,040	10,300	22,700	9,180	9,950	6,810	19,300	3,130	9,350	11,100	2,780	42,500
19	1,900	18,500	20,800	12,400	9,330	6,870	14,900	4,240	9,140	6,330	2,430	52,400
20	1,930	25,800	19,700	19,300	8,130	6,640	10,400	5,600	6,770	4,120	2,020	52,600
21	2,320	29,200	17,300	22,500	6,660	6,600	8,490	5,940	5,370	2,950	1,600	43,500
22	1,990	30,800	14,500	18,800	5,830	8,760	9,540	5,080	4,720	2,680	2,260	19,200
23	1,790	22,100	13,200	14,900	5,530	8,560	20,800	4,130	4,280	4,230	2,610	14,200
24	1,700	15,500	15,600	11,800	5,260	7,880	25,100	3,540	3,760	5,350	2,280	10,600
25	1,550	14,000	18,200	9,770	5,040	7,430	19,500	4,670	3,950	3,990	1,780	8,500
26	1,520	10,900	19,400	8,920	4,800	6,940	14,600	10,100	8,630	3,200	2,230	7,620
27	1,730	11,400	18,000	11,600	4,560	6,440	13,800	17,600	16,800	3,260	3,150	6,980
28	2,210	16,800	15,500	12,900	4,370	6,060	13,800	38,900	10,700	7,590	3,660	6,050
29	3,250	29,100	12,800	11,200	4,220	5,750	11,900	49,800	7,190	12,100	3,800	5,050
30	2,680	26,100	13,200	9,970	---	6,940	10,500	53,900	5,580	8,770	5,320	4,470
31	2,460	---	14,100	8,970	---	13,000	---	78,700	---	9,340	3,590	---
TOTAL	58,515	413,070	459,160	612,050	516,980	399,130	403,090	403,870	619,210	169,150	154,170	405,230
MEAN	1,888	13,770	14,810	19,740	17,830	12,880	13,440	13,030	20,640	5,456	4,973	13,510
MAX	3,250	30,800	22,800	53,800	61,800	43,100	35,900	78,700	88,000	12,100	17,100	52,600
MIN	895	1,880	9,370	7,510	4,220	4,170	4,420	2,940	3,760	2,680	1,600	1,350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2004, BY WATER YEAR (WY)

MEAN	2,291	5,045	10,670	13,130	15,260	18,280	13,840	10,450	6,129	2,871	2,479	2,420
MAX	14,120	13,960	39,510	37,850	40,180	40,410	41,540	34,340	23,380	8,458	8,589	14,740
(WY)	(1990)	(1987)	(1979)	(1974)	(1989)	(1975)	(1972)	(1983)	(1997)	(1998)	(1992)	(1979)
MIN	421	511	668	770	4,073	4,423	2,074	1,518	508	545	307	187
(WY)	(2000)	(2000)	(1966)	(1981)	(1968)	(1983)	(1986)	(1976)	(1988)	(1999)	(1999)	(1999)

03290500 KENTUCKY RIVER AT LOCK 2, AT LOCKPORT, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1961 - 2004	
ANNUAL TOTAL	4,388,692		4,613,625		8,541	
ANNUAL MEAN	12,020		12,610		14,030	
HIGHEST ANNUAL MEAN					3,891	
LOWEST ANNUAL MEAN					121,000	
HIGHEST DAILY MEAN	83,900	Feb 20	88,000	Jun 1	125	Dec 11, 1978
LOWEST DAILY MEAN	895	Oct 13	895	Oct 13	112	Sep 16, 1999
ANNUAL SEVEN-DAY MINIMUM	1,310	Oct 9	1,310	Oct 9	123,000	Sep 10, 1999
MAXIMUM PEAK FLOW			89,400	Jun 1	56.85	Jan 26, 1937
MAXIMUM PEAK STAGE			41.20	Jun 1	21,600	Jan 24, 1937
10 PERCENT EXCEEDS	26,600		27,500		3,880	
50 PERCENT EXCEEDS	7,180		8,540		626	
90 PERCENT EXCEEDS	1,880		2,220			



03291500 EAGLE CREEK AT GLENCOE, KY

LOCATION.--Lat 38°42'18", long 84°49'26", Gallatin County, Hydrologic Unit 05100205, on left bank, at bridge on U.S. Highway 127, 0.6 mi south of Glencoe, 5.8 mi downstream from Tenmile Creek, and at mile 21.6.

DRAINAGE AREA.--437 mi².

PERIOD OF RECORD.--April 1915 to September 1918, October 1918 to December 1920 (gage heights only), May 1928 to September 1931, June 1938 to September 1977, December 1988 to current year. Monthly discharge only for May 1915, June 1938, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1916-17, 1920(M). WSP 1555: Drainage area. WSP 1908: 1939-40(M), 1943(M), 1945(M), 1948(P), 1950(M), 1956-57(P), 1960(M).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 508.52 ft above NGVD of 1929. Prior Oct. 1, 1950, nonrecording gages at same site and datum. Oct. 1, 1950 to Oct. 19, 1960, nonrecording gage 600 ft downstream at same datum.

REMARKS.--Records fair except for those estimated, which are poor.

COOPERATION.--Kentucky Natural Resources and Environmental Protection Cabinet.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 4	0500	*17,400	*15.81	May 31	1300	14,100	14.09
May 28	2100	13,500	13.78				

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	114	98	471	556	e150	177	693	592	3,450	43	927	15
2	e92	84	339	6,420	e240	259	459	6,250	628	37	374	15
3	e70	87	278	3,600	4,750	328	406	3,350	351	99	232	24
4	56	88	245	8,810	3,010	5,810	340	847	257	73	227	26
5	47	86	245	7,230	1,440	3,230	285	476	202	41	742	174
6	37	73	334	2,470	7,890	5,740	250	358	167	32	453	106
7	32	74	393	852	3,330	2,010	232	290	140	32	231	53
8	24	68	294	565	1,030	707	222	244	119	60	151	35
9	17	60	247	462	585	462	205	212	121	49	92	28
10	13	59	1,120	373	e495	365	188	186	112	47	66	30
11	13	56	3,180	331	e460	311	175	167	86	67	49	28
12	9.5	2,570	943	302	e425	278	195	154	106	112	38	37
13	8.7	6,310	449	277	e405	249	1,800	142	243	84	32	27
14	12	942	358	252	e350	234	4,930	132	1,420	49	27	20
15	838	388	316	244	e315	225	1,490	187	869	35	23	15
16	254	511	400	218	e275	245	562	763	1,630	30	20	12
17	147	389	3,100	207	e262	416	382	453	457	28	18	13
18	109	715	1,190	1,190	247	363	309	312	1,570	32	16	559
19	86	3,950	570	2,230	238	296	264	1,100	479	29	14	376
20	79	2,030	447	e573	245	254	240	1,600	636	26	13	134
21	69	620	e384	e310	327	235	237	760	273	22	12	64
22	63	355	359	e200	298	218	732	307	157	26	11	37
23	57	271	618	e150	258	214	2,310	205	107	45	9.2	24
24	51	313	3,700	e140	243	207	2,680	155	82	214	8.9	17
25	51	369	1,460	e130	237	197	791	241	64	146	8.8	13
26	59	293	600	e180	218	187	1,000	4,830	59	101	14	10
27	286	1,370	430	e310	200	182	560	10,100	254	84	19	8.1
28	338	5,790	364	e590	186	178	356	12,400	132	55	18	6.5
29	225	3,490	336	e435	175	180	284	5,130	78	41	18	5.1
30	161	892	2,410	e270	---	1,160	328	1,570	55	47	18	4.2
31	126	---	1,490	e135	---	1,480	---	11,600	---	2,560	18	---
TOTAL	3,544.2	32,401	27,070	40,012	28,284	26,397	22,905	65,113	14,304	4,346	3,899.9	1,915.9
MEAN	114	1,080	873	1,291	975	852	764	2,100	477	140	126	63.9
MAX	838	6,310	3,700	8,810	7,890	5,810	4,930	12,400	3,450	2,560	927	559
MIN	8.7	56	245	130	150	177	175	132	55	22	8.8	4.2
CFSM	0.26	2.47	2.00	2.95	2.23	1.95	1.75	4.81	1.09	0.32	0.29	0.15
IN.	0.30	2.76	2.30	3.41	2.41	2.25	1.95	5.54	1.22	0.37	0.33	0.16

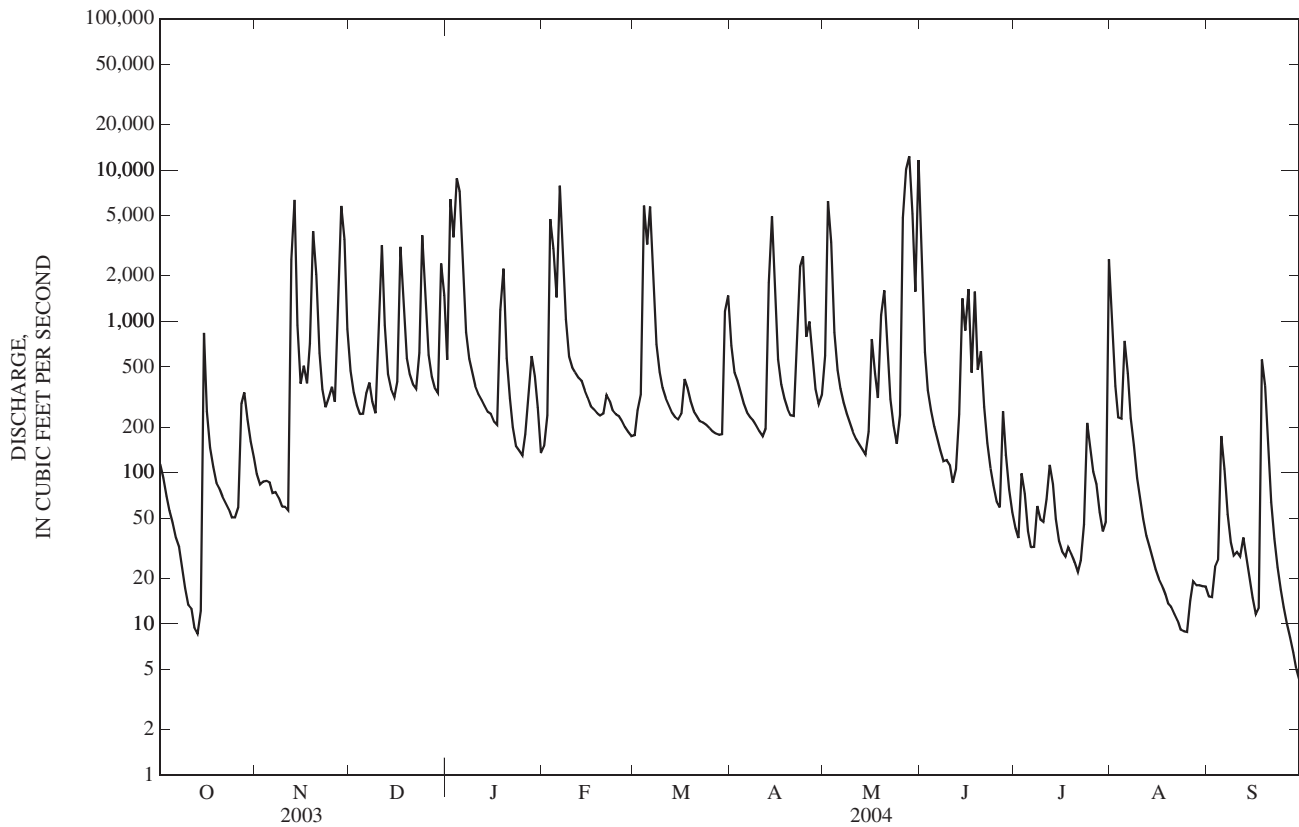
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)

	MEAN	114	353	650	940	1,076	1,257	911	709	474	247	134	121
MAX	1,005	1,641	1,874	3,170	3,295	5,197	2,910	3,190	2,673	1,016	755	1,355	
(WY)	(1976)	(1973)	(1952)	(1950)	(1956)	(1964)	(1948)	(1996)	(1997)	(1957)	(1977)	(1965)	
MIN	0.00	0.00	0.00	2.85	44.6	120	131	25.5	1.56	0.14	0.00	0.00	
(WY)	(1931)	(1931)	(1931)	(1931)	(1954)	(1941)	(1976)	(1930)	(1930)	(1930)	(1930)	(1930)	

03291500 EAGLE CREEK AT GLENCOE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	307,305.2		270,192.0		578	
ANNUAL MEAN	842		738		1,059	
HIGHEST ANNUAL MEAN					117	
LOWEST ANNUAL MEAN					39,300	
HIGHEST DAILY MEAN	12,300	Sep 2	12,400	May 28	0.00	Mar 10, 1964
LOWEST DAILY MEAN	8.7	Oct 13	4.2	Sep 30	0.00	Jul 15, 1930
ANNUAL SEVEN-DAY MINIMUM	14	Oct 8	9.1	Sep 24	0.00	Jul 15, 1930
MAXIMUM PEAK FLOW			17,400	Jan 4	58,300	Mar 2, 1997
MAXIMUM PEAK STAGE			15.81	Jan 4	29.08	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	1.93		1.69		1.32	
ANNUAL RUNOFF (INCHES)	26.16		23.00		17.98	
10 PERCENT EXCEEDS	2,400		1,860		1,320	
50 PERCENT EXCEEDS	281		240		101	
90 PERCENT EXCEEDS	58		23		1.4	

e Estimated



03292470 HARRODS CREEK AT HIGHWAY 329 NEAR GOSHEN, KY

LOCATION.--Lat 38°21'42", long 85°34'30", Oldham County, Hydrologic Unit 05140101, on downstream side of bridge on Highway 329 (Covered Bridge Road) 0.8 mi upstream from South Fork, 3.1 mi south of Goshen, and at mile 7.29.

DRAINAGE AREA.--70.3 mi².

PERIOD OF RECORD.--December 15, 1998 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage.

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

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	0935	4,850	7.19	May 28	0025	*19,000	*16.34
Jan 5	0230	6,040	7.91	May 30	2025	12,800	12.33
May 27	0735	8,470	9.36	Jul 17	0835	9,570	10.05

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	75	17	143	177	e40	33	93	754	497	2.0	92	2.4
2	59	15	99	2,360	167	63	74	2,290	253	2.9	36	2.0
3	41	14	80	542	1,620	54	61	494	135	2.3	18	1.8
4	33	13	74	1,620	301	1,490	51	236	87	1.9	11	1.7
5	26	13	116	e2,400	579	418	42	161	59	2.7	316	1.5
6	21	14	132	e367	1,530	550	37	114	42	3.6	45	1.6
7	17	16	90	e188	391	240	36	85	28	6.6	14	1.6
8	14	15	75	e136	211	160	34	65	20	5.7	7.1	1.1
9	12	12	66	e106	163	122	29	52	15	227	5.0	1.1
10	10	10	416	e78	e113	94	24	52	17	284	4.1	1.0
11	9.2	9.9	437	e63	e99	82	23	228	12	38	3.3	0.91
12	8.7	1,440	195	e56	e83	69	34	64	11	15	2.8	0.87
13	8.3	374	134	e54	e70	57	731	42	14	7.0	2.5	0.93
14	29	144	116	e51	e56	54	1,110	34	8.3	1,040	2.2	1.1
15	143	116	94	e49	e49	50	262	165	6.4	89	2.0	1.3
16	45	118	162	e43	e39	83	154	161	5.6	26	1.7	1.4
17	27	85	297	e43	e40	102	108	124	5.2	3,520	1.4	1.4
18	20	259	171	e340	e41	76	84	276	5.6	318	1.3	1.5
19	17	696	e126	e131	52	62	68	190	7.0	214	1.4	1.8
20	14	224	e81	e78	54	57	60	597	7.8	95	1.7	2.0
21	11	136	e78	e56	55	62	69	115	5.1	59	2.3	2.0
22	9.5	96	e103	e45	46	51	105	63	3.9	43	1.9	1.9
23	8.8	72	e301	e36	42	45	304	40	3.2	36	1.6	1.8
24	8.8	267	752	e30	41	43	221	27	2.6	30	1.8	1.6
25	9.3	166	259	e27	37	39	584	35	2.4	24	1.7	1.5
26	35	107	168	e52	33	36	295	1,950	2.2	34	4.6	1.4
27	70	426	127	e82	30	37	158	4,970	1.9	33	4.8	1.3
28	39	1,220	103	e58	27	36	106	6,720	1.7	21	2.7	1.2
29	31	410	182	e43	25	41	81	456	1.6	15	2.2	1.1
30	26	219	887	e35	---	133	89	3,060	1.6	19	3.1	1.1
31	21	---	259	e28	---	109	---	4,820	---	308	3.4	---
TOTAL	898.6	6,723.9	6,323	9,374	6,034	4,548	5,127	28,440	1,262.1	6,522.7	598.6	43.91
MEAN	29.0	224	204	302	208	147	171	917	42.1	210	19.3	1.46
MAX	143	1,440	887	2,400	1,620	1,490	1,110	6,720	497	3,520	316	2.4
MIN	8.3	9.9	66	27	25	33	23	27	1.6	1.9	1.3	0.87

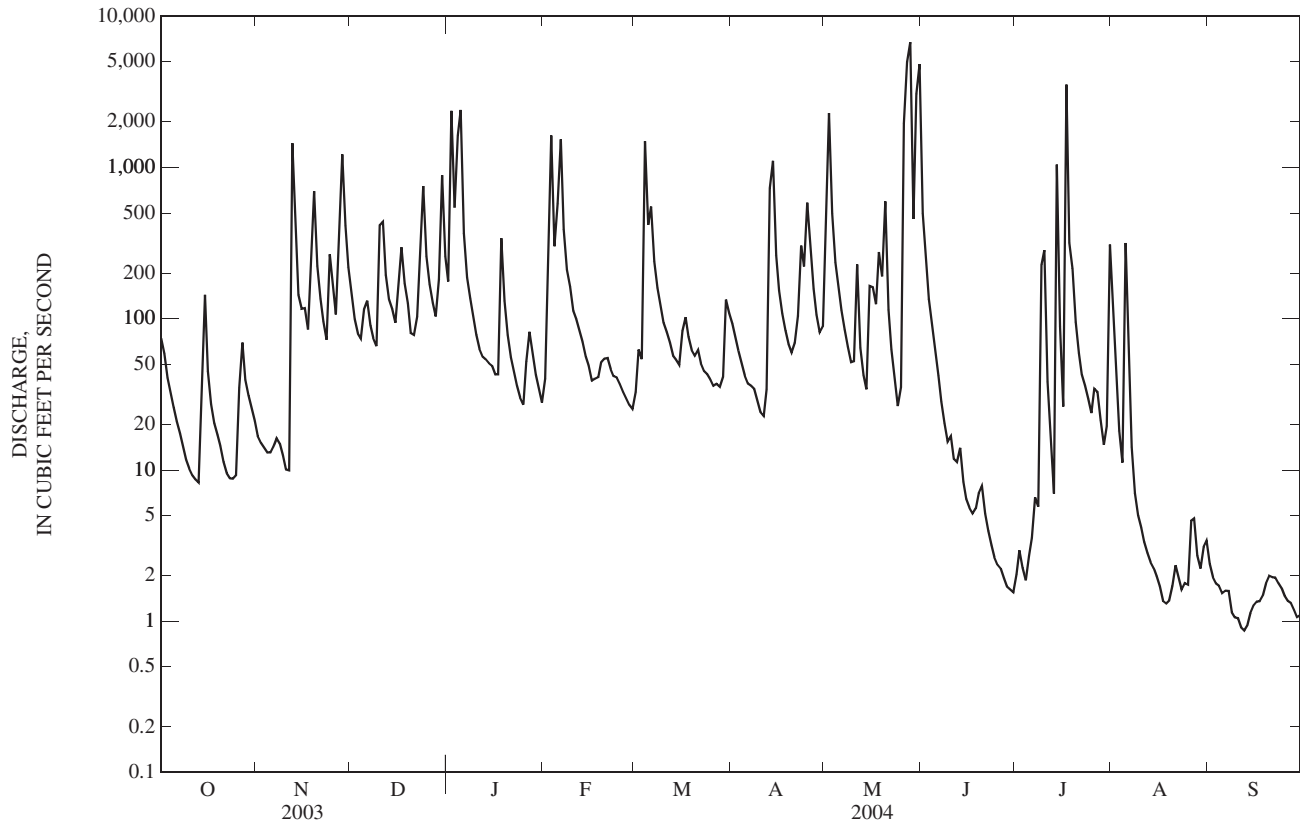
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	69.1	135	236	196	265	173	133	321	84.7	49.9	28.5	76.9
MAX	233	253	359	302	526	417	242	917	192	210	127	245
(WY)	(2002)	(2002)	(2002)	(2004)	(2000)	(2002)	(2002)	(2004)	(2002)	(2004)	(2003)	(2003)
MIN	1.99	3.33	83.5	40.6	121	77.0	25.9	16.5	32.4	6.81	0.29	0.09
(WY)	(2000)	(2000)	(2000)	(2001)	(1999)	(2003)	(2001)	(1999)	(2003)	(1999)	(1999)	(1999)

03292470 HARRODS CREEK AT HIGHWAY 329 NEAR GOSHEN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	59,543.62		75,895.81		160	
ANNUAL MEAN	163		207		226	
HIGHEST ANNUAL MEAN					75.2	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	3,890	May 5	6,720	May 28	7,360	Feb 18, 2000
LOWEST DAILY MEAN	0.76	Aug 21	0.87	Sep 12	0.00	Sep 2, 1999
ANNUAL SEVEN-DAY MINIMUM	1.0	Aug 15	1.0	Sep 8	0.00	Sep 2, 1999
MAXIMUM PEAK FLOW			19,000	May 28	19,000	May 28, 2004
MAXIMUM PEAK STAGE			16.34	May 28	16.34	May 28, 2004
10 PERCENT EXCEEDS	359		379		292	
50 PERCENT EXCEEDS	55		45		33	
90 PERCENT EXCEEDS	9.9		1.9		2.7	

e Estimated



03292474 GOOSE CREEK AT OLD WESTPORT ROAD NEAR ST. MATTHEWS, KY

LOCATION.--Lat 38°16'33", long 85°36'22", Jefferson County, Hydrologic Unit 05140101, on left downstream side of bridge on Old Westport Road, 1.2 mile northeast of St. Matthews, 5.0 miles above Little Goose Creek, and at mile 5.5

DRAINAGE AREA.--6.0 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 571.08 ft above NGVD of 1929.

REMARKS.--Records good.

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 19	1840	468	4.24	Jul 17	0135	370	3.57
May 25	2215	340	3.39	Jul 17	0455	422	3.94
Jul 10	1955	*716	*4.90	Jul 26	0235	368	3.56

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	8.3	6.2	12	14	7.2	4.8	7.1	20	e38	0.78	13	0.91
2	6.3	5.9	10	60	15	5.0	6.2	33	e20	2.9	9.5	0.86
3	4.8	5.6	9.1	30	38	6.9	5.5	19	15	1.1	7.5	0.95
4	4.3	6.0	8.6	46	20	42	5.0	15	12	0.86	7.0	0.92
5	3.6	6.1	9.0	66	30	20	4.5	12	10	0.83	6.0	0.83
6	3.2	6.6	7.6	30	41	20	4.2	11	8.5	3.9	4.7	0.70
7	3.0	6.1	6.2	21	25	15	4.2	8.9	7.1	4.1	3.8	0.57
8	2.4	5.3	5.7	17	18	13	4.1	7.5	5.9	1.7	3.1	0.55
9	2.1	4.9	5.3	15	16	12	3.7	6.4	6.7	4.1	2.3	0.58
10	2.5	4.8	15	13	14	10	3.3	4.9	6.2	69	2.0	0.55
11	2.1	5.3	13	12	12	9.9	3.4	4.4	4.5	25	1.7	0.50
12	2.1	53	10	11	11	8.6	7.1	4.0	11	9.2	1.4	0.48
13	2.1	20	9.6	9.7	10	7.9	27	4.2	7.4	e9.8	1.1	0.49
14	16	13	9.4	9.0	9.3	7.6	23	5.0	4.8	e14	0.95	0.47
15	8.1	13	8.1	7.9	8.6	6.9	15	16	4.4	7.0	0.85	0.46
16	5.2	11	11	7.2	7.7	11	13	10	5.0	5.2	0.78	0.40
17	4.5	8.7	11	8.4	7.2	8.9	11	6.5	3.6	163	0.73	0.39
18	4.5	17	11	20	6.7	7.2	10	4.9	2.9	41	0.63	0.30
19	4.0	19	11	13	6.0	6.4	9.1	59	4.9	18	0.57	0.20
20	3.6	13	9.0	11	6.0	6.3	8.2	51	3.0	13	1.4	0.27
21	3.5	11	8.3	11	5.6	5.8	10	17	2.3	9.9	2.0	0.50
22	3.5	9.7	8.1	9.7	5.0	5.2	10	11	1.9	8.0	1.2	0.29
23	3.3	8.5	22	8.4	4.8	4.9	17	9.2	1.6	7.2	0.87	0.16
24	3.2	16	20	7.6	4.4	4.7	11	7.8	1.1	5.7	0.95	0.15
25	3.0	9.9	15	7.4	4.0	4.5	19	36	0.90	4.6	0.99	0.12
26	12	8.5	13	11	3.9	4.2	13	51	0.88	61	3.9	0.11
27	8.1	19	11	14	3.8	4.1	11	e116	0.73	12	2.8	0.10
28	6.6	29	10	10	3.5	3.8	9.1	e127	0.62	8.8	1.6	0.10
29	6.4	19	19	9.6	3.3	6.0	7.9	47	0.50	6.9	1.2	0.06
30	6.0	15	23	8.8	---	9.9	10	32	0.47	8.1	1.6	0.05
31	6.3	---	15	7.8	---	8.1	---	87	---	32	1.3	---
TOTAL	154.6	376.1	356.0	526.5	347.0	290.6	292.6	843.7	191.90	558.67	87.42	13.02
MEAN	4.99	12.5	11.5	17.0	12.0	9.37	9.75	27.2	6.40	18.0	2.82	0.43
MAX	16	53	23	66	41	42	27	127	38	163	13	0.95
MIN	2.1	4.8	5.3	7.2	3.3	3.8	3.3	4.0	0.47	0.78	0.57	0.05
CFSM	0.83	2.09	1.91	2.83	1.99	1.56	1.63	4.54	1.07	3.00	0.47	0.07
IN.	0.96	2.33	2.21	3.26	2.15	1.80	1.81	5.23	1.19	3.46	0.54	0.08

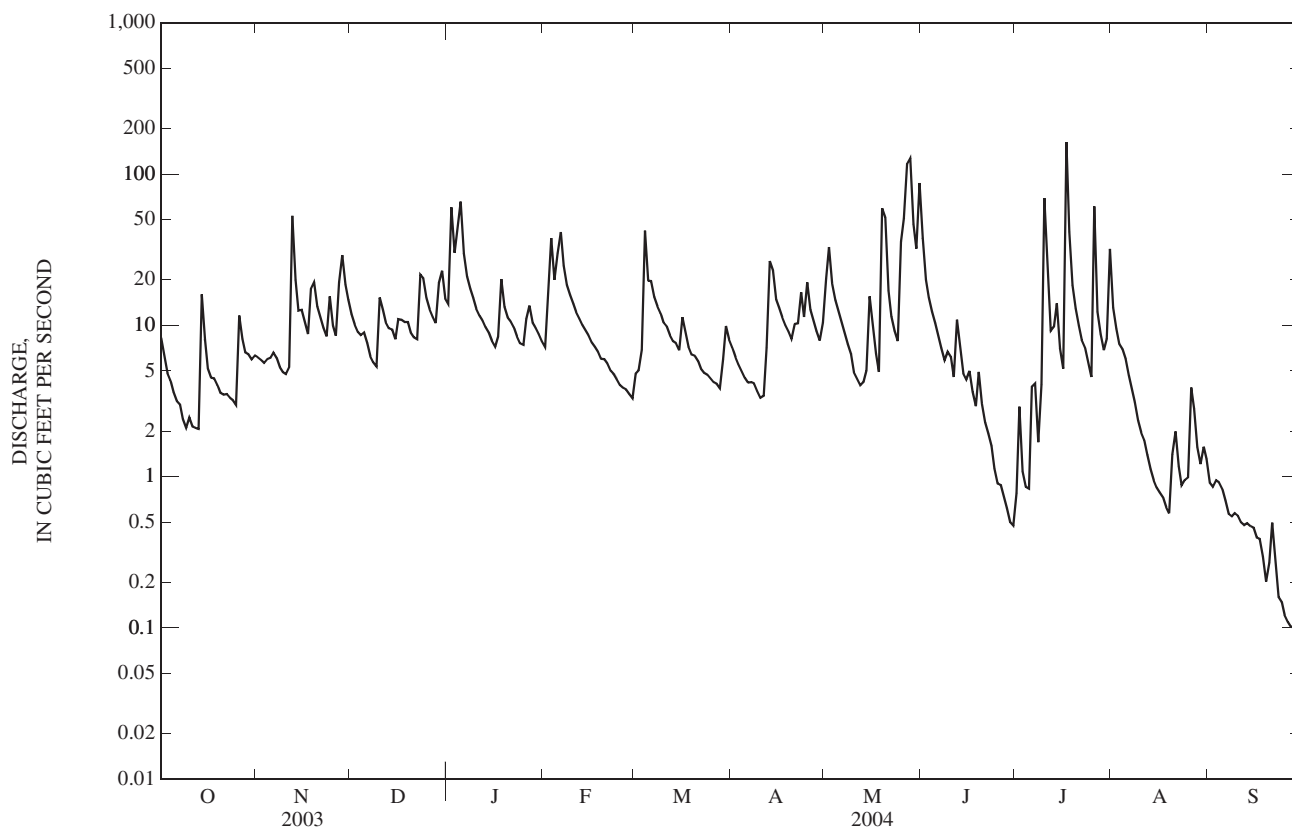
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	4.03	5.37	11.9	12.4	13.5	19.2	8.63	12.7	11.6	6.05	3.34	3.77
MAX	13.4	12.5	21.8	19.4	27.5	77.1	16.5	27.6	26.4	18.0	9.88	15.5
(WY)	(2002)	(2004)	(1997)	(1999)	(2000)	(1997)	(2002)	(2003)	(2003)	(2004)	(2003)	(2003)
MIN	0.57	0.48	3.74	3.16	7.37	6.83	3.56	2.46	2.74	0.84	0.15	0.32
(WY)	(1998)	(2000)	(1999)	(2001)	(2002)	(2001)	(2001)	(1999)	(2001)	(2002)	(1999)	(1999)

03292474 GOOSE CREEK AT OLD WESTPORT ROAD NEAR ST. MATTHEWS, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	4,840.5		4,038.11		9.37	
ANNUAL MEAN	13.3		11.0		14.8	
HIGHEST ANNUAL MEAN					5.00	
LOWEST ANNUAL MEAN					1997	
HIGHEST DAILY MEAN	266	Jun 14	163	Jul 17	800	Mar 2, 1997
LOWEST DAILY MEAN	1.6	Jul 30	0.05	Sep 30	0.01	Aug 16, 1999
ANNUAL SEVEN-DAY MINIMUM	2.3	Oct 7	0.10	Sep 24	0.02	Sep 12, 1999
MAXIMUM PEAK FLOW			716	Jul 10	4,050	Jun 14, 2003
MAXIMUM PEAK STAGE			4.90	Jul 10	6.03	Jun 14, 2003
ANNUAL RUNOFF (CFSM)	2.21		1.84		1.56	
ANNUAL RUNOFF (INCHES)	30.01		25.04		21.22	
10 PERCENT EXCEEDS	25		20		19	
50 PERCENT EXCEEDS	7.9		7.2		4.1	
90 PERCENT EXCEEDS	3.2		0.84		0.53	

e Estimated



03292475 GOOSE CREEK AT HIGHWAY 42 AT GLENVIEW ACRES, KY

LOCATION.--Lat 3818'12", long 8537'41", Jefferson County, Hydrologic Unit 05140101, on downstream side of culvert on U.S. Highway 42, 0.5 mi northeast of Glenview Acres, 1.7 mi above Little Goose Creek, and at mile 2.1.

DRAINAGE AREA.--10.1 mi².

PERIOD OF RECORD.--November 1999 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 430.06 ft above NGVD of 1929.

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

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul 17	0545	*538	*5.59				
						No other peak greater than base discharge.	

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	10	4.0	14	14	8.4	7.7	11	43	27	1.7	13	2.0
2	7.9	3.8	11	55	17	8.0	9.4	47	18	3.2	10	1.7
3	6.3	3.7	10	29	44	10	8.5	27	13	2.5	8.9	2.1
4	5.6	3.6	9.8	45	24	48	7.8	20	11	2.1	8.1	1.5
5	4.8	3.7	10	e64	34	24	7.2	17	9.4	2.1	7.6	1.3
6	4.3	4.6	9.2	e33	46	23	6.8	14	8.3	4.6	6.5	1.1
7	3.9	4.2	7.8	e22	29	19	6.7	12	7.2	7.3	5.8	1.0
8	3.6	3.5	7.0	e17	22	17	6.6	10	6.4	4.2	5.1	1.1
9	3.3	3.2	6.7	e16	19	16	6.0	8.9	7.3	5.0	4.5	0.94
10	4.1	3.1	17	e13	17	14	5.5	7.5	7.2	51	4.0	0.89
11	3.6	3.2	15	e11	15	13	5.5	6.7	5.5	26	3.5	0.84
12	3.5	63	11	11	14	12	11	6.2	12	12	3.3	0.77
13	3.3	24	10	9.7	13	11	36	5.9	8.5	12	2.9	0.73
14	18	15	10	9.0	12	10	32	7.5	6.2	18	2.6	0.62
15	11	15	9.2	8.3	11	9.6	19	21	5.2	9.8	2.3	0.55
16	7.5	13	12	7.5	10	17	15	14	5.6	8.2	2.2	0.56
17	5.9	11	13	8.4	9.6	13	13	9.7	4.6	161	2.0	0.55
18	5.1	21	12	22	8.9	11	11	7.9	4.0	36	2.1	0.54
19	4.6	24	12	14	8.5	9.7	10	33	7.9	e20	2.0	0.62
20	4.1	16	10	12	8.5	9.5	9.6	41	4.6	e13	2.9	0.60
21	3.9	13	9.3	11	8.0	9.3	13	17	3.7	11	3.7	0.52
22	3.8	12	9.0	10	7.4	8.5	13	13	3.2	10	2.6	0.63
23	3.6	10	23	8.9	7.0	8.1	21	10	2.9	9.7	2.1	0.69
24	3.4	19	23	8.3	6.8	7.8	15	10	2.5	8.7	1.9	0.69
25	3.3	12	16	8.3	6.4	7.4	27	34	2.3	7.5	2.1	0.65
26	12	10	13	10	6.1	7.1	17	48	2.3	44	5.2	0.58
27	8.4	24	12	14	5.9	7.1	14	103	2.1	13	4.2	0.56
28	6.5	35	11	11	5.6	6.8	12	111	2.0	10	3.1	0.56
29	5.7	22	19	10	5.6	9.1	11	34	1.8	9.0	2.6	0.53
30	4.8	17	25	9.7	---	13	14	26	1.7	10	2.6	0.53
31	4.3	---	16	8.7	---	12	---	72	---	26	2.7	---
TOTAL	180.1	416.6	393.0	530.8	429.7	398.7	394.6	837.3	203.4	558.6	132.1	25.95
MEAN	5.81	13.9	12.7	17.1	14.8	12.9	13.2	27.0	6.78	18.0	4.26	0.86
MAX	18	63	25	64	46	48	36	111	27	161	13	2.1
MIN	3.3	3.1	6.7	7.5	5.6	6.8	5.5	5.9	1.7	1.7	1.9	0.52
CFSM	0.58	1.37	1.26	1.70	1.47	1.27	1.30	2.67	0.67	1.78	0.42	0.09
IN.	0.66	1.53	1.45	1.96	1.58	1.47	1.45	3.08	0.75	2.06	0.49	0.10

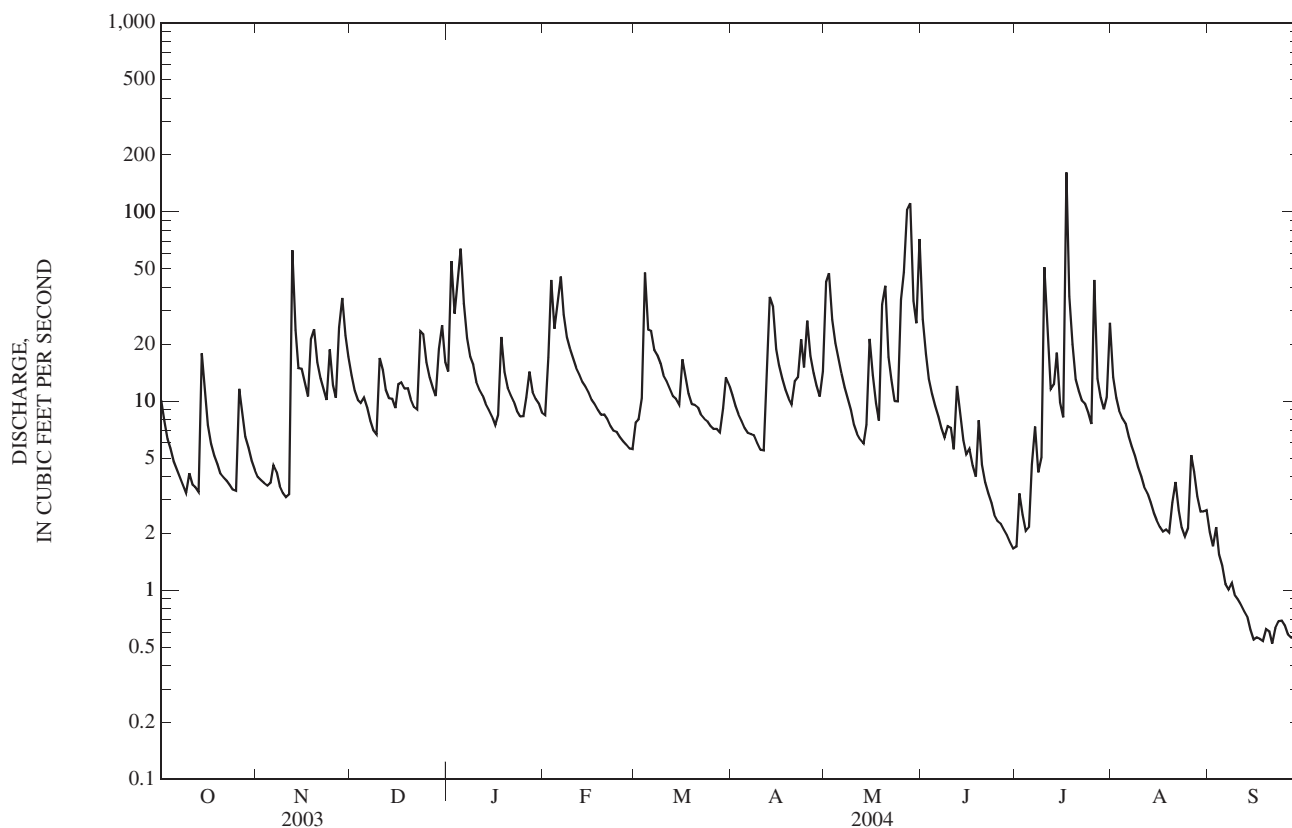
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	10.8	12.7	21.0	16.9	26.0	19.2	17.7	27.7	11.3	6.91	4.50	11.0
MEAN	21.8	15.8	34.1	24.3	41.5	37.2	30.8	49.5	20.4	18.0	8.36	19.4
MAX	(2002)	(2000)	(2003)	(2003)	(2000)	(2002)	(2002)	(2003)	(2003)	(2004)	(2003)	(2000)
MIN	2.17	4.19	12.7	1.99	14.8	10.3	6.85	5.09	5.23	1.64	0.71	0.86
(WY)	(2001)	(2001)	(2004)	(2001)	(2004)	(2001)	(2001)	(2000)	(2000)	(2002)	(2002)	(2004)

03292475 GOOSE CREEK AT HIGHWAY 42 AT GLENVIEW ACRES, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	7,012.29		4,500.85		15.8	
ANNUAL MEAN	19.2		12.3		21.8	
HIGHEST ANNUAL MEAN					8.28	
LOWEST ANNUAL MEAN					560	
HIGHEST DAILY MEAN	169	May 11	161	Jul 17	560	Feb 18, 2000
LOWEST DAILY MEAN	0.99	Sep 21	0.52	Sep 21	0.04	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 15	0.56	Sep 15	0.08	Aug 29, 2002
MAXIMUM PEAK FLOW			538	Jul 17	2,460	Jan 24, 2002
MAXIMUM PEAK STAGE			5.59	Jul 17	7.83	Feb 18, 2000
ANNUAL RUNOFF (CFSM)	1.90		1.22		1.57	
ANNUAL RUNOFF (INCHES)	25.83		16.58		21.29	
10 PERCENT EXCEEDS	46		24		39	
50 PERCENT EXCEEDS	11		9.0		7.5	
90 PERCENT EXCEEDS	2.3		2.1		1.1	

e Estimated



03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY

LOCATION.--Lat 38°18'45", long 85°37'33", Jefferson County, Hydrologic Unit 05140101, at downstream side of culvert on U.S. Highway 42, 1.1 mi south of Harrods Creek, and at mile 2.0.

DRAINAGE AREA.--5.8 mi².

PERIOD OF RECORD.--December 1998 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 459.93 ft above NAGVD of 1988.

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

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	0935	432	6.32	May 31	0210	317	5.74
Jan 4	2220	266	5.47	Jul 17	0630	450	6.41
May 25	2345	343	5.87	Jul 26	0410	341	5.86
May 27	2205	*486	*6.58				

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	e8.0	3.6	16	15	7.0	5.8	8.6	56	35	1.0	16	1.3
2	e12	3.4	12	71	19	5.7	6.4	63	23	1.7	9.0	0.99
3	9.2	3.2	9.6	34	53	8.7	5.2	30	14	1.4	5.4	1.4
4	8.5	3.2	9.6	67	25	66	4.4	17	11	1.2	4.3	1.1
5	7.7	3.0	12	76	39	28	3.8	13	8.9	1.9	4.5	0.81
6	6.5	5.6	10	35	52	22	3.5	10	7.5	4.9	2.7	0.74
7	5.4	5.0	8.2	20	27	15	3.4	7.9	6.2	8.7	2.2	0.72
8	4.0	3.7	7.2	16	18	11	3.1	6.4	5.2	2.9	1.8	1.1
9	4.3	3.2	6.6	13	15	9.6	2.8	5.3	6.2	12	1.6	0.84
10	5.5	3.0	24	11	13	7.9	2.6	4.4	7.5	20	1.5	0.69
11	3.0	2.6	20	9.6	11	7.0	2.5	3.8	4.5	15	1.3	0.62
12	3.0	122	14	8.6	9.6	6.1	8.2	3.3	18	9.7	1.2	0.70
13	3.8	43	10	7.5	8.4	5.3	45	4.3	11	11	1.1	0.80
14	33	22	10	6.8	7.7	5.1	47	5.6	5.9	21	1.1	0.68
15	17	19	9.3	6.1	6.9	4.6	21	27	4.3	11	1.0	0.60
16	8.3	14	15	5.4	6.0	13	14	15	4.6	5.4	0.87	0.56
17	6.5	11	16	7.5	5.6	10	11	8.4	3.7	162	0.90	0.57
18	4.9	36	13	30	5.1	7.3	8.7	6.3	3.6	27	0.86	0.48
19	4.3	33	13	15	4.8	5.7	7.3	12	24	18	0.80	0.41
20	3.5	21	11	11	4.7	5.4	6.5	17	6.9	11	3.6	0.32
21	3.5	14	9.5	8.8	4.1	5.1	12	9.2	4.0	6.4	4.5	0.42
22	3.3	12	8.9	7.8	3.6	4.2	13	4.9	3.0	5.0	1.9	0.48
23	3.0	9.6	33	6.6	3.3	3.8	26	3.7	2.3	4.7	1.3	0.50
24	2.8	24	29	6.2	3.0	3.7	17	2.9	1.8	4.0	2.0	0.48
25	2.4	16	20	6.1	2.8	3.4	35	32	1.7	2.9	2.0	0.48
26	17	11	15	11	2.6	3.2	20	69	1.5	64	8.9	0.42
27	12	36	11	18	2.5	3.3	13	145	1.3	17	7.9	0.45
28	6.6	53	9.7	11	2.4	3.1	8.7	140	1.2	11	3.5	0.48
29	6.5	29	26	9.5	2.4	6.3	6.9	38	1.1	5.1	2.3	0.31
30	4.9	22	33	8.6	---	12	12	46	1.0	9.1	3.0	0.47
31	4.2	---	20	7.5	---	11	---	102	---	32	2.1	---
TOTAL	224.6	587.1	461.6	566.6	364.5	308.3	378.6	908.4	229.9	508.0	101.13	19.92
MEAN	7.25	19.6	14.9	18.3	12.6	9.95	12.6	29.3	7.66	16.4	3.26	0.66
MAX	33	122	33	76	53	66	47	145	35	162	16	1.4
MIN	2.4	2.6	6.6	5.4	2.4	3.1	2.5	2.9	1.0	1.0	0.80	0.31
CFSM	1.25	3.37	2.57	3.15	2.17	1.71	2.18	5.05	1.32	2.83	0.56	0.11
IN.	1.44	3.77	2.96	3.63	2.34	1.98	2.43	5.83	1.47	3.26	0.65	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1999	7.87	17.6	0.77	(2001)
2000	10.7	19.6	3.06	(2000)
2001	18.7	27.4	9.84	(1999)
2002	16.3	32.7	2.06	(2001)
2003	16.8	26.6	12.1	(2002)
2004	14.2	31.1	5.08	(2001)
2005	11.2	23.6	2.38	(2001)
2006	17.1	29.3	3.49	(2000)
2007	9.31	14.9	5.52	(2001)
2008	8.22	23.4	1.77	(1999)
2009	4.30	10.9	0.41	(1999)
2010	7.20	15.0	0.66	(2004)

03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	4,903.5		4,658.65		12.2	
ANNUAL MEAN	13.4		12.7		7.96	
HIGHEST ANNUAL MEAN					16.2	
LOWEST ANNUAL MEAN					7.96	
HIGHEST DAILY MEAN	194	May 11	162	Jul 17	322	Feb 18, 2000
LOWEST DAILY MEAN	1.0	Sep 21	0.31	Sep 29	0.00	Aug 31, 1999
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 15	0.44	Sep 18	0.00	Aug 31, 1999
MAXIMUM PEAK FLOW			486	May 27	694	Feb 18, 2000
MAXIMUM PEAK STAGE			6.58	May 27	7.54	Feb 18, 2000
ANNUAL RUNOFF (CFSM)	2.32		2.19		2.10	
ANNUAL RUNOFF (INCHES)	31.45		29.88		28.57	
10 PERCENT EXCEEDS	29		29		28	
50 PERCENT EXCEEDS	6.7		6.9		4.8	
90 PERCENT EXCEEDS	1.9		1.1		0.92	

e Estimated

