

03292500 SOUTH FORK BEARGRASS CREEK AT LOUISVILLE, KY

LOCATION.--Lat 38°12'41", long 85°42'09", Jefferson County, Hydrologic Unit 05140101, on right bank, 10 ft downstream of Trevilian Way Bridge at Louisville, 4.9 mi upstream from Middle Fork Beargrass, and at mile 6.5.

DRAINAGE AREA.--17.2 mi².

PERIOD OF RECORD.--October 1939 to September 1940, August 1944 to September 1953, October 1954 to September 1983 (High water records only, October 1962 to June 1970), and June 1988 to current year. Monthly discharge only for October to December 1939, published in WSP 1305.

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder with telemetry and crest stage gage. Datum of gage is 445.60 ft, Louisville city datum. Prior to Oct. 29, 1953, at datum 5.00 ft higher. Oct. 29, 1953, to June 24, 1970, at datum 3.00 ft higher. Prior to April 8, 1994, gage located 125 ft upstream at same datum.

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 19, 1943 reached a stage of 18.1 ft, present datum, from information furnished by U.S. Army Corps of Engineers, Louisville District.

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)
May 25	2240	*1140	10.79				

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	14	7.2	16	19	12	15	11	109	e89	e4.6	14	5.4
2	5.9	7.1	13	229	70	8.5	8.5	142	75	4.4	9.6	4.4
3	4.9	7.7	11	51	119	40	7.4	41	31	5.1	7.3	4.7
4	5.1	8.5	12	122	36	264	8.7	26	21	5.8	23	4.2
5	4.6	11	15	184	88	77	9.2	19	17	25	87	3.4
6	4.5	13	11	48	97	66	8.1	16	14	50	9.6	3.1
7	3.8	9.2	8.4	30	41	29	8.6	14	12	27	6.7	4.1
8	4.0	6.8	8.1	22	27	21	8.8	13	11	8.4	5.6	4.2
9	4.0	6.8	7.3	21	23	17	9.1	12	141	18	4.8	4.2
10	7.5	6.8	75	17	19	13	9.3	12	53	128	5.0	4.9
11	3.8	6.6	25	15	17	11	10	13	15	59	7.2	4.2
12	3.7	161	15	14	13	9.3	41	15	44	16	6.5	4.1
13	3.9	24	12	13	12	8.0	156	18	20	41	6.4	4.1
14	65	11	14	11	11	7.6	75	28	13	134	6.5	3.8
15	12	22	13	9.5	9.7	6.9	26	113	15	16	7.5	e3.4
16	6.1	12	27	8.8	9.0	37	18	22	27	11	8.1	e3.3
17	5.8	8.7	18	23	8.5	15	14	14	15	244	8.3	e3.1
18	5.1	99	16	66	8.4	11	11	18	11	29	9.3	e3.2
19	4.6	52	16	22	7.9	8.2	9.7	21	11	17	13	e3.0
20	4.4	19	12	15	8.4	10	8.4	12	7.5	13	23	e3.4
21	5.2	13	11	12	8.8	9.7	32	9.8	6.7	10	9.7	e3.0
22	7.7	10	9.6	10	7.8	7.2	23	11	6.7	e9.0	5.6	e2.8
23	7.0	8.3	95	8.8	6.8	6.5	70	11	6.2	e22	5.7	e3.0
24	7.0	68	43	8.5	6.9	6.6	21	13	5.4	7.8	6.7	e2.3
25	6.7	16	22	9.4	6.2	6.1	71	132	5.2	5.1	11	e2.6
26	55	12	17	47	6.1	6.6	25	e280	5.1	e251	49	e2.6
27	8.5	100	14	44	5.7	8.0	22	e310	4.6	16	9.3	e2.7
28	5.9	114	12	20	5.3	7.7	29	e517	5.0	9.3	6.3	e2.7
29	5.7	35	63	17	5.3	26	28	e96	4.9	7.1	39	e2.7
30	4.3	22	59	14	---	39	61	e158	5.0	28	44	e2.7
31	6.8	---	21	13	---	17	---	e253	---	100	8.1	---
TOTAL	292.5	897.7	711.4	1,144.0	695.8	814.9	839.8	2,468.8	697.3	1,321.6	462.8	105.3
MEAN	9.44	29.9	22.9	36.9	24.0	26.3	28.0	79.6	23.2	42.6	14.9	3.51
MAX	65	161	95	229	119	264	156	517	141	251	87	5.4
MIN	3.7	6.6	7.3	8.5	5.3	6.1	7.4	9.8	4.6	4.4	4.8	2.3
CFSM	0.55	1.74	1.33	2.15	1.39	1.53	1.63	4.63	1.35	2.48	0.87	0.20
IN.	0.63	1.94	1.54	2.47	1.50	1.76	1.82	5.34	1.51	2.86	1.00	0.23

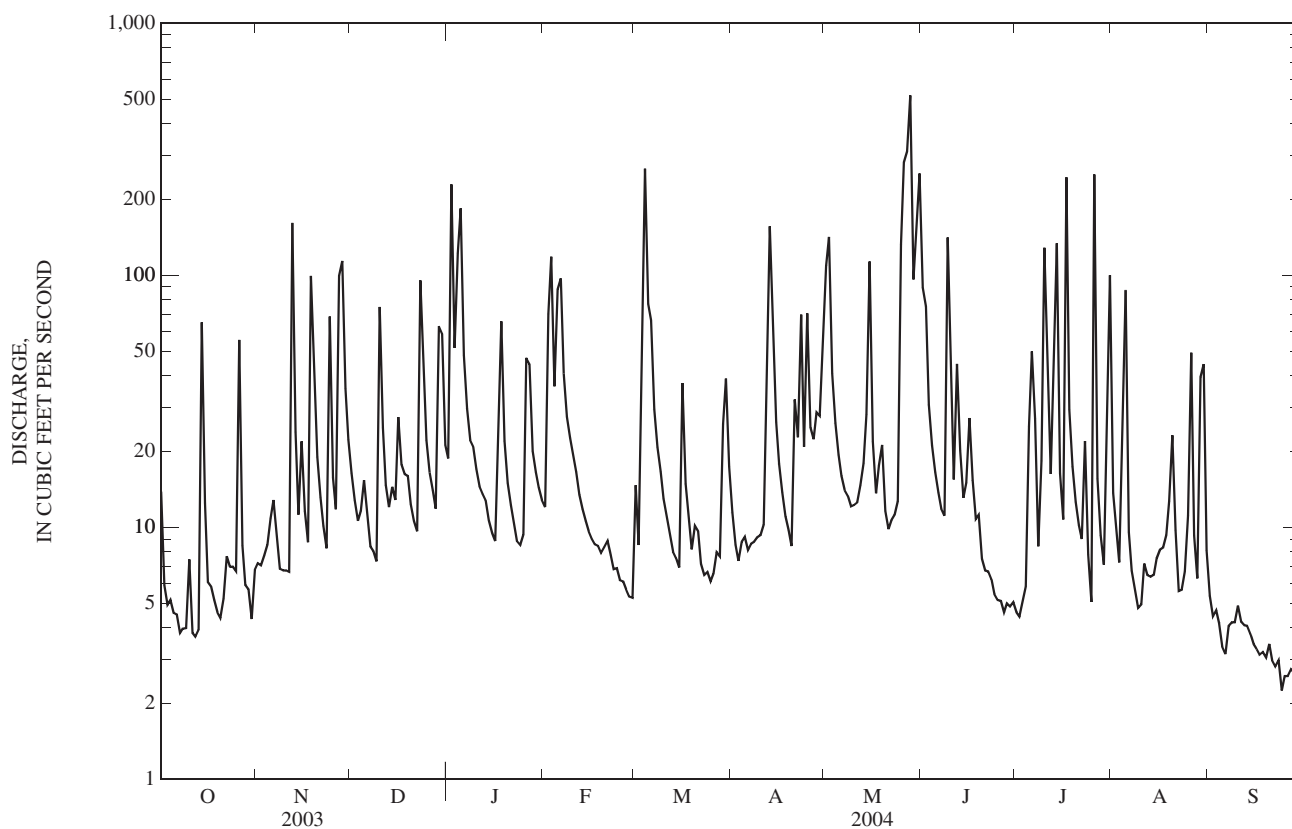
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	8.53	14.4	24.4	31.8	39.1	43.3	32.1	30.2	20.0	16.0	10.4	9.01
MAX	46.7	53.9	73.6	125	107	201	95.2	103	78.3	126	54.7	86.3
(WY)	(1978)	(1974)	(1979)	(1950)	(1989)	(1997)	(1948)	(1961)	(1950)	(1973)	(1974)	(1979)
MIN	0.30	0.84	1.32	0.71	8.52	6.41	3.13	5.51	1.11	0.89	0.23	0.00
(WY)	(1953)	(1953)	(1977)	(1940)	(1953)	(1983)	(1976)	(1962)	(1959)	(1956)	(1952)	(1953)

03292500 SOUTH FORK BEARGRASS CREEK AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	10,607.6		10,451.9		23.4	
ANNUAL MEAN	29.1		28.6		41.6	
HIGHEST ANNUAL MEAN					9.35	
LOWEST ANNUAL MEAN					1,960	
HIGHEST DAILY MEAN	440	Sep 2	517	May 28	1,960	Mar 2, 1997
LOWEST DAILY MEAN	1.9	Jul 27	2.3	Sep 24	0.00	Sep 4, 1940
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 24	2.6	Sep 24	0.00	Sep 4, 1940
MAXIMUM PEAK FLOW			1,140	May 25	5,290	Mar 2, 1997
MAXIMUM PEAK STAGE			10.79	May 25	17.81	Mar 2, 1997
INSTANTANEOUS LOW FLOW			3.2	Oct 11	0.00	Sep 4, 1940
ANNUAL RUNOFF (CFSM)	1.69		1.66		1.36	
ANNUAL RUNOFF (INCHES)	22.94		22.61		18.49	
10 PERCENT EXCEEDS	78		70		50	
50 PERCENT EXCEEDS	12		11		8.0	
90 PERCENT EXCEEDS	4.5		4.5		1.2	

e Estimated



03292550 SOUTH FORK BEARGRASS CREEK AT WINTER AVENUE AT LOUISVILLE, KY

LOCATION.--Lat 38°14'04", long 85°45'50", Jefferson County, Hydrologic Unit 05140101, on left bank of floodwall, 150 ft. upstream of Winter Avenue, at Louisville, 1.4 mi above Middle Fork Beargrass Creek, and at mile 3.3

DRAINAGE AREA.--22.6 mi².

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

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

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 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 25	2335	1,690	7.32	May 28	0055	*2,350	*7.91

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	e8.5	20	24	15	16	16	144	79	4.2	22	10
2	9.6	e8.4	16	279	74	12	12	181	85	3.3	16	9.0
3	7.8	e8.9	14	58	135	40	10	58	38	3.5	12	8.5
4	7.4	e10	14	137	41	337	8.2	37	27	3.3	32	7.8
5	6.9	e13	18	252	97	69	8.1	28	21	21	103	7.1
6	6.0	e15	15	56	107	71	6.8	22	17	52	18	6.7
7	e5.0	e14	11	36	46	33	6.8	18	16	43	12	5.3
8	e4.9	e10	10	28	33	25	6.3	15	14	7.3	9.6	4.0
9	e4.9	e9.0	8.7	24	28	20	5.8	14	154	12	8.0	3.7
10	e10	e8.4	74	20	24	16	5.3	12	64	122	7.5	4.0
11	e5.6	e8.5	29	17	20	15	5.4	10	19	82	6.6	3.7
12	e5.4	205	18	16	17	13	45	9.3	54	21	5.9	3.6
13	e5.5	e26	15	16	15	12	201	9.3	26	31	5.7	3.7
14	103	e16	17	14	14	11	90	21	17	135	5.5	3.5
15	31	e32	16	12	13	11	33	143	16	25	5.4	3.4
16	e9.5	e15	31	11	12	41	24	29	36	14	5.5	3.5
17	e8.3	e12	22	23	11	17	20	17	21	250	5.5	3.2
18	e7.1	111	19	69	10	14	17	15	14	31	6.0	3.3
19	e6.4	e73	20	27	9.7	11	16	27	16	18	5.9	3.3
20	e6.4	e29	16	19	9.6	12	14	16	10	13	25	3.7
21	e6.5	17	14	17	9.7	13	45	12	9.0	10	16	3.2
22	e9.6	14	13	15	8.5	9.0	36	10	8.6	11	6.2	3.2
23	e8.5	11	100	13	6.9	7.7	90	8.1	7.9	26	5.3	3.2
24	e8.1	72	49	12	6.8	7.6	30	7.7	7.0	9.4	5.0	2.6
25	e7.8	19	27	12	5.9	6.7	94	175	6.8	5.5	9.2	2.8
26	e60	15	20	44	5.6	6.5	34	315	6.6	255	65	2.8
27	e12	106	17	47	5.1	6.7	23	375	6.0	24	18	3.1
28	e9.1	112	15	24	4.8	6.3	19	631	5.9	15	8.0	2.9
29	e7.8	40	65	20	4.6	24	16	84	5.1	11	21	2.9
30	e5.9	27	70	18	---	40	56	158	4.7	34	70	2.9
31	e7.3	---	27	16	---	21	---	301	---	120	15	---
TOTAL	412.3	1,065.7	820.7	1,376	789.2	944.5	993.7	2,902.4	811.6	1,412.5	555.8	130.6
MEAN	13.3	35.5	26.5	44.4	27.2	30.5	33.1	93.6	27.1	45.6	17.9	4.35
MAX	103	205	100	279	135	337	201	631	154	255	103	10
MIN	4.9	8.4	8.7	11	4.6	6.3	5.3	7.7	4.7	3.3	5.0	2.6

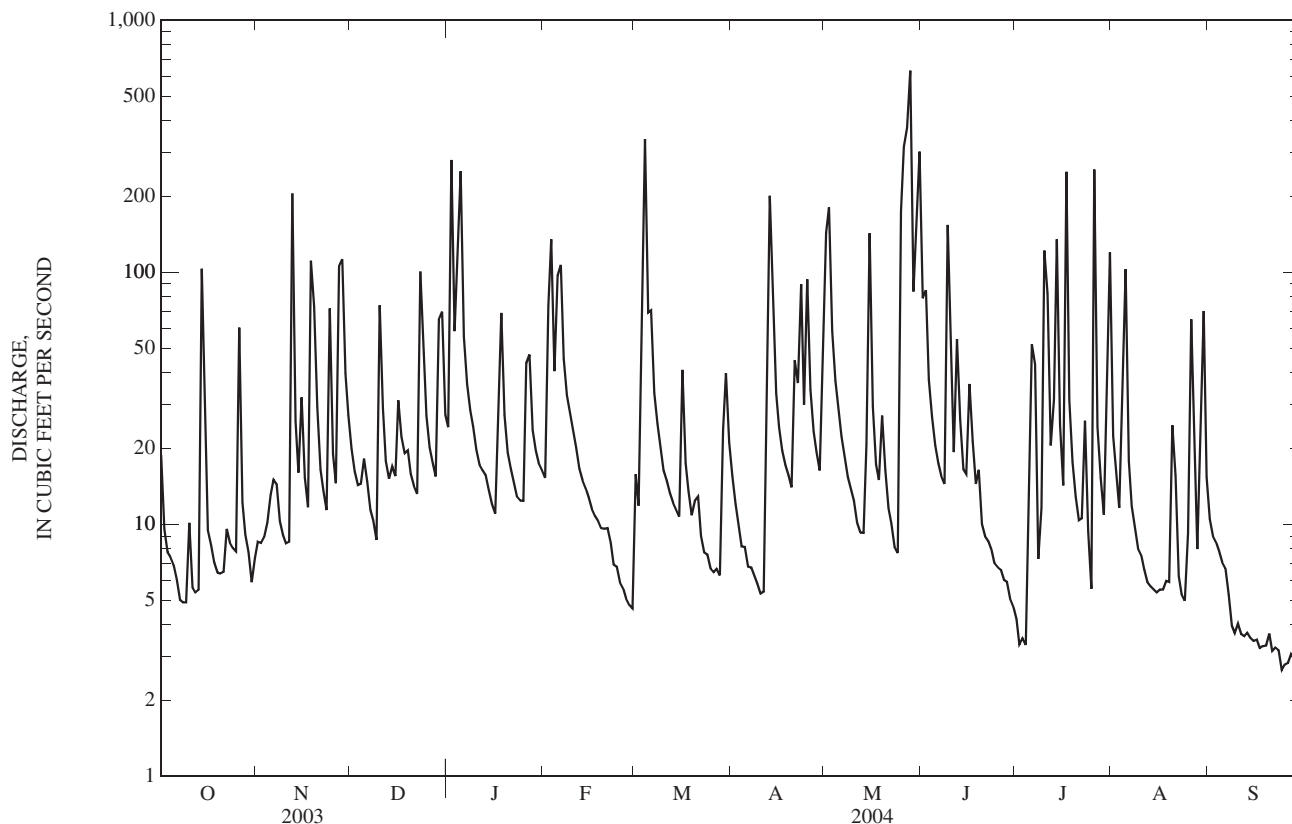
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

	19.7	21.7	41.2	46.3	48.8	39.1	38.4	55.5	27.2	20.1	14.5	26.2
MEAN	19.7	21.7	41.2	46.3	48.8	39.1	38.4	55.5	27.2	20.1	14.5	26.2
MAX	51.6	50.2	79.1	73.5	125	103	83.0	101	41.6	45.6	30.3	65.4
(WY)	(2002)	(2002)	(2003)	(2000)	(2000)	(2002)	(2002)	(2002)	(1999)	(2004)	(2003)	(2002)
MIN	4.80	4.05	17.1	9.40	22.9	19.1	10.1	16.1	13.8	4.55	2.78	3.29
(WY)	(2001)	(2000)	(1999)	(2001)	(1999)	(2003)	(2001)	(1999)	(2001)	(1999)	(1999)	(1999)

03292550 SOUTH FORK BEARGRASS CREEK AT WINTER AVENUE AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	12,820.6		12,215.0		33.2	
ANNUAL MEAN	35.1		33.4		52.5	
HIGHEST ANNUAL MEAN					20.2	
LOWEST ANNUAL MEAN					2,230	
HIGHEST DAILY MEAN	465	Jan 1	631	May 28	8,470	Feb 18, 2000
LOWEST DAILY MEAN	1.5	Aug 26	2.6	Sep 24	0.47	Jul 23, 2002
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 15	2.9	Sep 24	1.3	Nov 6, 1999
MAXIMUM PEAK FLOW			2,350	May 28	10.89	Feb 18, 2000
MAXIMUM PEAK STAGE			7.91	May 28	70	
10 PERCENT EXCEEDS	86		80		10	
50 PERCENT EXCEEDS	15		15		2.8	
90 PERCENT EXCEEDS	5.4		5.2			

e Estimated



03293000 MIDDLE FORK BEARGRASS CREEK AT LOUISVILLE, KY

LOCATION.--Lat 38°14'14", long 85°39'53", Jefferson County, Hydrologic Unit 05140101, on right bank 75 ft downstream from bridge on Old Cannons Lane at Louisville, 1.7 mi downstream from Weicher Creek, and 5.4 mi upstream from mouth.

DRAINAGE AREA.--18.9 mi², of which about 0.5 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1625: 1945(M), 1948(M), 1950(P), 1951-52(M), 1954-55(M), 1957(M), drainage area. WRD KY 72-1: 1950(M).

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 476.70 ft, Louisville city datum. See WDR KY-90-1 for history of changes prior to July 26, 1971.

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1943 reached a stage of 9.1 ft, present site and datum, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

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	21	5.1	26	30	14	12	14	83	79	7.6	25	1.9
2	11	5.4	19	278	56	11	10	135	53	9.0	15	0.97
3	8.5	5.8	15	79	133	28	7.9	57	32	3.4	10	1.6
4	7.8	6.1	15	135	55	216	7.3	e33	23	2.5	32	1.0
5	6.3	6.0	19	225	93	68	7.0	e25	16	29	18	0.71
6	5.1	8.6	15	73	112	67	6.3	e20	13	39	7.9	0.62
7	4.4	7.5	12	49	62	37	5.8	e17	9.7	32	5.6	0.53
8	3.9	6.0	10	38	45	28	5.7	e15	8.0	9.0	4.5	0.62
9	5.8	5.1	9.1	32	35	21	4.8	e12	112	27	3.1	0.34
10	16	4.1	67	24	29	16	4.6	e16	31	314	2.3	0.40
11	5.0	3.5	35	19	24	14	4.5	e16	16	168	2.0	0.36
12	4.1	160	22	17	20	12	31	e12	36	36	1.6	0.33
13	3.8	45	17	15	16	9.9	127	e12	22	40	1.2	0.38
14	79	23	18	14	14	9.0	87	e11	13	71	1.1	0.35
15	23	30	16	12	13	8.2	39	e32	14	19	0.99	0.47
16	12	19	31	9.7	11	36	27	e31	16	12	0.65	0.59
17	9.0	14	27	20	10	18	20	e20	11	507	0.74	0.58
18	7.4	77	24	78	9.6	13	15	e21	8.6	63	0.59	0.64
19	6.1	61	24	35	9.1	10	12	e38	15	32	0.55	0.55
20	5.2	31	18	24	8.9	13	11	e62	8.0	20	9.6	0.59
21	4.6	22	15	18	8.2	14	34	e29	5.6	14	5.9	0.33
22	4.2	18	14	15	7.4	8.2	28	15	4.7	10	1.8	0.36
23	3.9	13	85	12	6.9	7.0	65	10	3.8	10	1.0	0.14
24	3.4	63	62	11	6.6	6.5	29	7.9	3.2	7.7	4.2	0.16
25	3.5	23	36	12	5.2	7.8	69	87	3.1	4.2	1.8	0.11
26	43	16	27	38	5.6	6.1	32	237	2.5	246	32	0.38
27	13	84	21	53	8.2	4.4	22	327	2.5	32	9.6	0.44
28	8.4	109	17	30	8.7	5.2	16	419	2.0	17	3.4	0.39
29	7.7	53	62	23	4.6	20	13	86	2.0	11	5.2	0.23
30	5.6	36	76	20	---	31	39	90	1.5	18	14	0.10
31	5.7	---	35	16	---	21	---	272	---	106	3.8	---
TOTAL	347.4	960.2	889.1	1,454.7	831.0	778.3	793.9	2,247.9	567.2	1,916.4	225.12	16.17
MEAN	11.2	32.0	28.7	46.9	28.7	25.1	26.5	72.5	18.9	61.8	7.26	0.54
MAX	79	160	85	278	133	216	127	419	112	507	32	1.9
MIN	3.4	3.5	9.1	9.7	4.6	4.4	4.5	7.9	1.5	2.5	0.55	0.10
CFSM	0.61	1.74	1.56	2.55	1.56	1.36	1.44	3.94	1.03	3.36	0.39	0.03
IN.	0.70	1.94	1.80	2.94	1.68	1.57	1.61	4.54	1.15	3.87	0.46	0.03

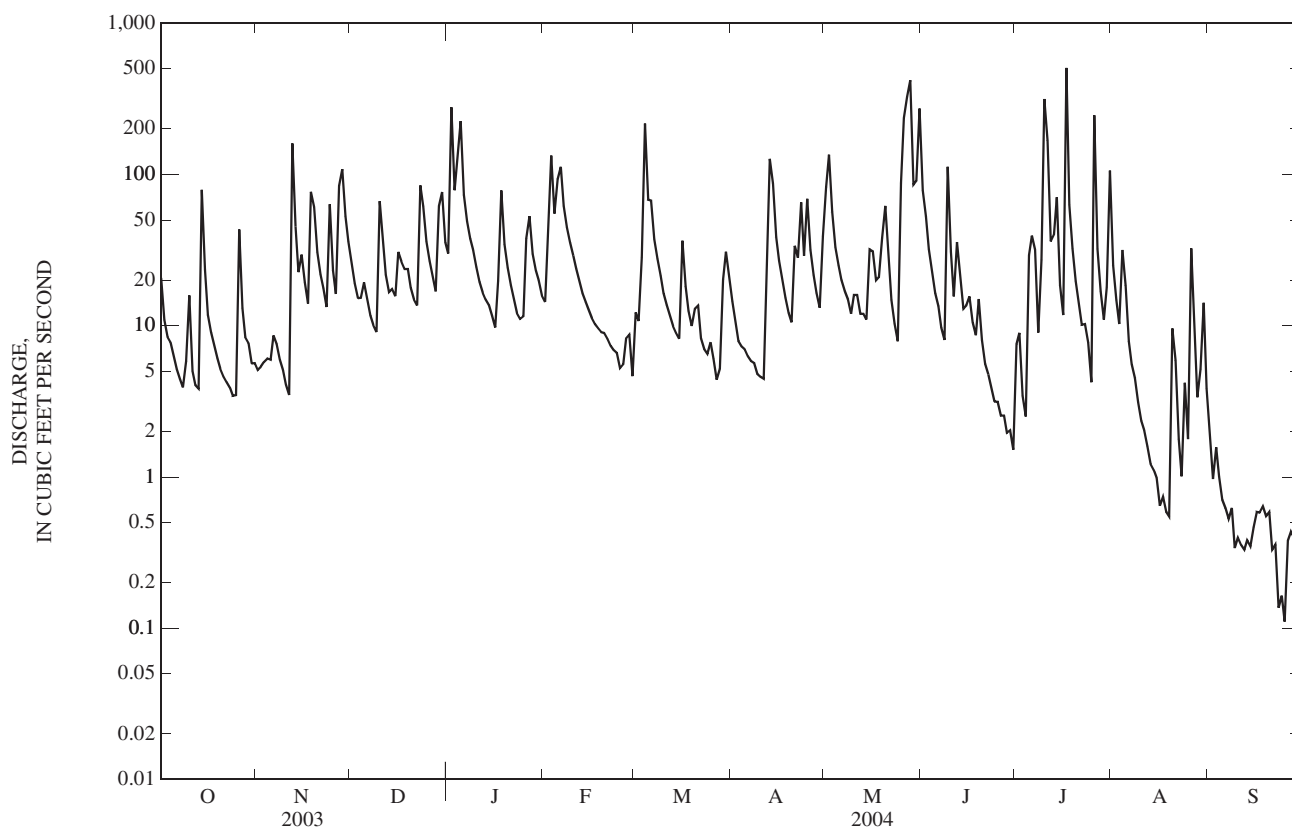
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

	MEAN	9.16	16.7	27.9	34.1	42.5	49.5	37.6	31.9	20.6	18.2	11.2	10.3
MAX	40.7	54.7	88.9	148	119	195	143	114	83.5	109	42.1	105	
(WY)	(1978)	(1974)	(1979)	(1950)	(1956)	(1964)	(1970)	(1961)	(1950)	(1973)	(1978)	(1979)	
MIN	0.15	0.71	1.90	3.31	3.44	4.20	5.27	3.04	0.93	0.37	0.52	0.03	
(WY)	(1954)	(1954)	(1954)	(1981)	(1954)	(1954)	(1954)	(1954)	(1954)	(1954)	(1999)	(1953)	

03293000 MIDDLE FORK BEARGRASS CREEK AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	12,166.55		11,027.39		25.7	
ANNUAL MEAN	33.3		30.1		49.2	
HIGHEST ANNUAL MEAN					3.76	
LOWEST ANNUAL MEAN					2,000	
HIGHEST DAILY MEAN	517	Sep 2	507	Jul 17	0.00	Mar 9, 1964
LOWEST DAILY MEAN	0.89	Aug 26	0.10	Sep 30	0.00	Aug 27, 1952
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 15	0.26	Sep 24	0.00	Sep 28, 1952
MAXIMUM PEAK FLOW			1,680	Jul 10	5,900	Mar 2, 1997
MAXIMUM PEAK STAGE			6.60	Jul 10	8.70	Mar 2, 1997
INSTANTANEOUS LOW FLOW			0.09	Sep 25	0.00	Aug 27, 1952
ANNUAL RUNOFF (CFSM)	1.81		1.64		1.40	
ANNUAL RUNOFF (INCHES)	24.60		22.29		19.00	
10 PERCENT EXCEEDS	84		70		54	
50 PERCENT EXCEEDS	14		14		10	
90 PERCENT EXCEEDS	4.0		1.4		1.9	

e Estimated



03293500 MIDDLE FORK BEARGRASS CREEK AT LEXINGTON ROAD AT LOUISVILLE, KY

LOCATION.--Lat 38°15'01", long 85°43'00", Jefferson County, Hydrologic Unit 05140101, on right bank 7at bridge on Lexington Road at Louisville, 0.86 miles upstream from South Fork Beagrass Creek.

DRAINAGE AREA.--24.8 mi².

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder with telemetry.

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

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

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	---	---	---	---	---	---	---	---	---	2.7	6.3	266
2	---	---	---	---	---	---	---	---	---	2.5	398	890
3	---	---	---	---	---	---	---	---	---	2.2	303	402
4	---	---	---	---	---	---	---	---	---	2.1	346	254
5	---	---	---	---	---	---	---	---	---	2.2	124	e183
6	---	---	---	---	---	---	---	---	---	2.0	49	e145
7	---	---	---	---	---	---	---	---	---	4.0	25	e104
8	---	---	---	---	---	---	---	---	---	2.2	29	e74
9	---	---	---	---	---	---	---	---	---	51	10	48
10	---	---	---	---	---	---	---	---	---	209	8.0	25
11	---	---	---	---	---	---	---	---	---	112	8.5	14
12	---	---	---	---	---	---	---	---	---	17	13	8.4
13	---	---	---	---	---	---	---	---	---	7.5	6.1	6.8
14	---	---	---	---	---	---	---	---	---	5.0	5.1	43
15	---	---	---	---	---	---	---	---	---	e4.2	4.7	155
16	---	---	---	---	---	---	---	---	---	e4.1	4.5	34
17	---	---	---	---	---	---	---	---	---	e4.1	9.6	11
18	---	---	---	---	---	---	---	---	---	3.0	5.5	7.7
19	---	---	---	---	---	---	---	---	---	2.6	4.2	6.8
20	---	---	---	---	---	---	---	---	---	2.2	4.2	6.6
21	---	---	---	---	---	---	---	---	---	6.2	3.9	6.3
22	---	---	---	---	---	---	---	---	---	5.3	30	241
23	---	---	---	---	---	---	---	---	---	4.5	48	109
24	---	---	---	---	---	---	---	---	---	8.6	6.6	43
25	---	---	---	---	---	---	---	---	---	3.6	4.6	17
26	---	---	---	---	---	---	---	---	---	2.5	3.9	11
27	---	---	---	---	---	---	---	---	---	2.0	18	475
28	---	---	---	---	---	---	---	---	---	2.8	44	145
29	---	---	---	---	---	---	---	---	---	6.9	35	78
30	---	---	---	---	---	---	---	---	---	2.5	423	48
31	---	---	---	---	---	---	---	---	---	11	204	---
TOTAL	---	---	---	---	---	---	---	---	---	497.5	2,184.7	3,857.6
MEAN	---	---	---	---	---	---	---	---	---	16.0	70.5	129
MAX	---	---	---	---	---	---	---	---	---	209	423	890
MIN	---	---	---	---	---	---	---	---	---	2.0	3.9	6.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	16.0	37.4	129
MAX	---	---	---	---	---	---	---	---	---	16.0	70.5	129
(WY)	---	---	---	---	---	---	---	---	---	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	---	---	16.0	4.27	129
(WY)	---	---	---	---	---	---	---	---	---	(2003)	(1996)	(2003)

03293500 MIDDLE FORK BEARGRASS CREEK AT LEXINGTON ROAD AT LOUISVILLE, KY—Continued

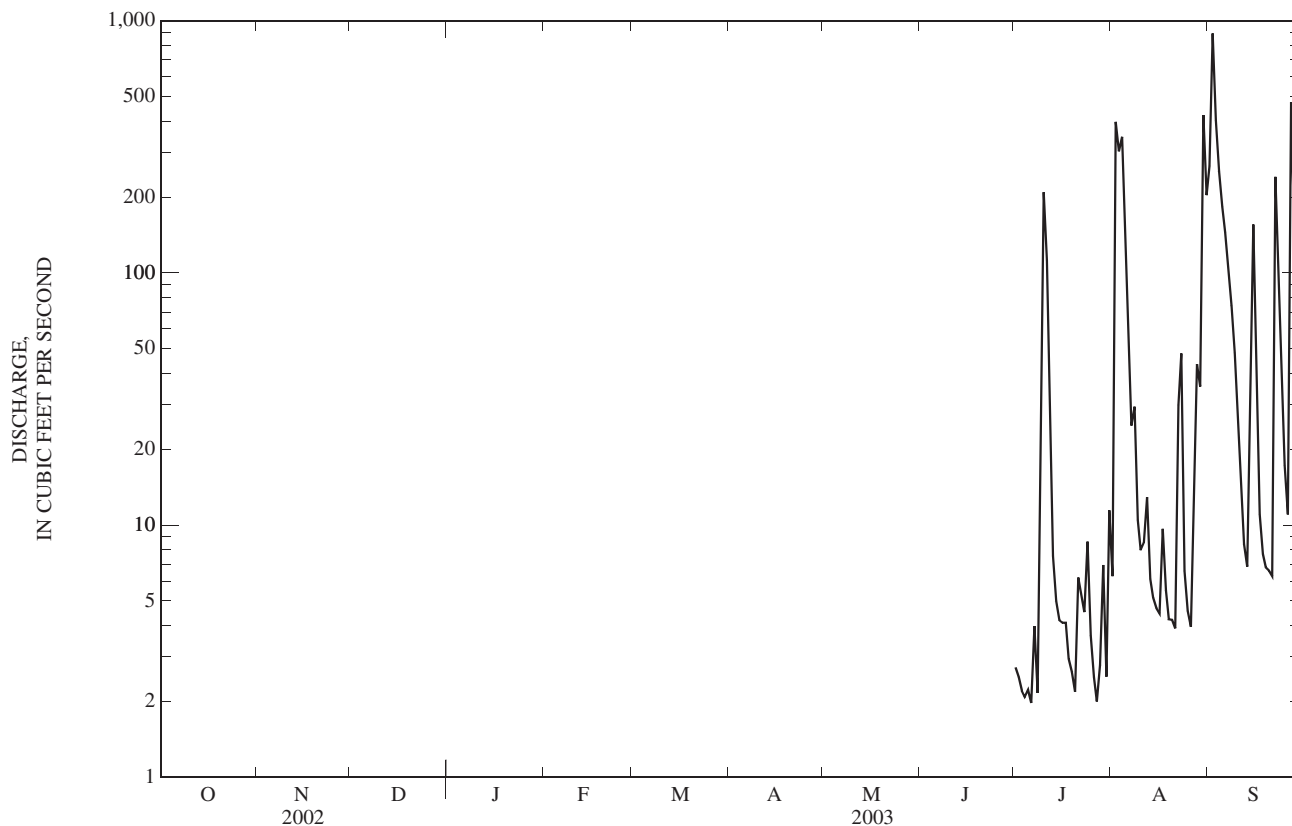
SUMMARY STATISTICS

WATER YEARS 1996 - 2003

HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
MAXIMUM PEAK FLOW
MAXIMUM PEAK STAGE

890	Sep 2, 2003
0.36	Sep 3, 1996
0.76	Aug 30, 1996
1,020	Sep 2, 2003
10.51	Sep 2, 2003

e Estimated



03293500 MIDDLE FORK BEARGRASS CREEK AT LEXINGTON ROAD AT LOUISVILLE, 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	77	15	44	51	e19	e34	30	118	115	7.5	33	6.4
2	40	15	27	396	87	e17	18	166	84	9.9	20	5.4
3	18	16	19	146	261	53	14	74	54	4.5	15	5.4
4	12	16	16	192	109	332	12	48	38	3.3	48	5.4
5	9.1	18	23	424	141	89	12	34	26	30	33	4.7
6	7.3	23	22	125	e175	109	11	25	20	33	13	4.3
7	7.1	22	15	82	e103	72	10	19	15	43	10	4.1
8	6.6	17	11	e59	e72	e51	9.3	15	12	8.2	9.5	4.3
9	6.3	15	9.8	e46	e59	e39	8.2	12	120	18	8.4	4.3
10	32	15	69	e40	e45	e32	7.3	11	34	154	7.4	3.8
11	7.2	14	58	e32	e38	e26	7.7	9.5	13	319	6.9	3.8
12	6.5	436	29	e26	e34	21	40	8.3	35	38	6.3	3.6
13	6.1	190	18	e23	e27	17	156	7.9	20	29	5.8	3.6
14	219	34	17	e21	e24	15	111	14	11	99	5.6	3.7
15	120	23	17	e18	e20	14	54	97	9.4	23	5.3	3.4
16	29	19	28	e17	e19	65	35	34	14	16	4.9	3.2
17	15	12	48	24	e17	38	25	19	9.4	551	4.6	3.2
18	13	75	32	116	e16	23	18	14	7.5	74	4.7	3.3
19	12	121	40	e66	e14	17	15	39	11	38	4.5	3.2
20	9.9	49	30	e39	e14	18	13	112	7.5	23	11	3.3
21	8.8	29	23	e27	e12	31	38	27	5.6	e18	12	3.3
22	8.5	19	19	e22	e12	15	38	17	5.0	e14	7.1	3.6
23	9.1	14	93	e18	e11	13	71	13	4.5	16	5.7	3.5
24	9.0	76	121	e16	e9.6	13	35	11	3.9	13	6.1	3.6
25	9.0	37	64	e17	e8.4	15	81	82	3.8	9.4	7.2	4.3
26	139	19	48	e54	e11	12	41	301	3.6	277	59	4.0
27	60	111	35	e75	e16	11	26	352	3.5	37	18	3.7
28	21	195	26	e43	e22	9.6	20	498	3.3	20	8.5	3.4
29	20	85	52	e31	e13	31	16	101	3.0	15	6.6	4.2
30	15	60	142	e26	---	61	42	94	3.0	27	21	4.7
31	13	---	64	e20	---	45	---	357	---	166	e11	---
TOTAL	965.5	1,790	1,259.8	2,292	1,409.0	1,338.6	1,014.5	2,729.7	695.0	2,133.8	419.1	120.7
MEAN	31.1	59.7	40.6	73.9	48.6	43.2	33.8	88.1	23.2	68.8	13.5	4.02
MAX	219	436	142	424	261	332	156	498	120	551	59	6.4
MIN	6.1	12	9.8	16	8.4	9.6	7.3	7.9	3.0	3.3	4.5	3.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	31.1	59.7	40.6	73.9	48.6	43.2	33.8	88.1	23.2	42.4	29.4	66.3
MAX	31.1	59.7	40.6	73.9	48.6	43.2	33.8	88.1	23.2	68.8	70.5	129
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)
MIN	31.1	59.7	40.6	73.9	48.6	43.2	33.8	88.1	23.2	16.0	4.27	4.02
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(1996)	(2004)

03293500 MIDDLE FORK BEARGRASS CREEK AT LEXINGTON ROAD AT LOUISVILLE, KY—Continued

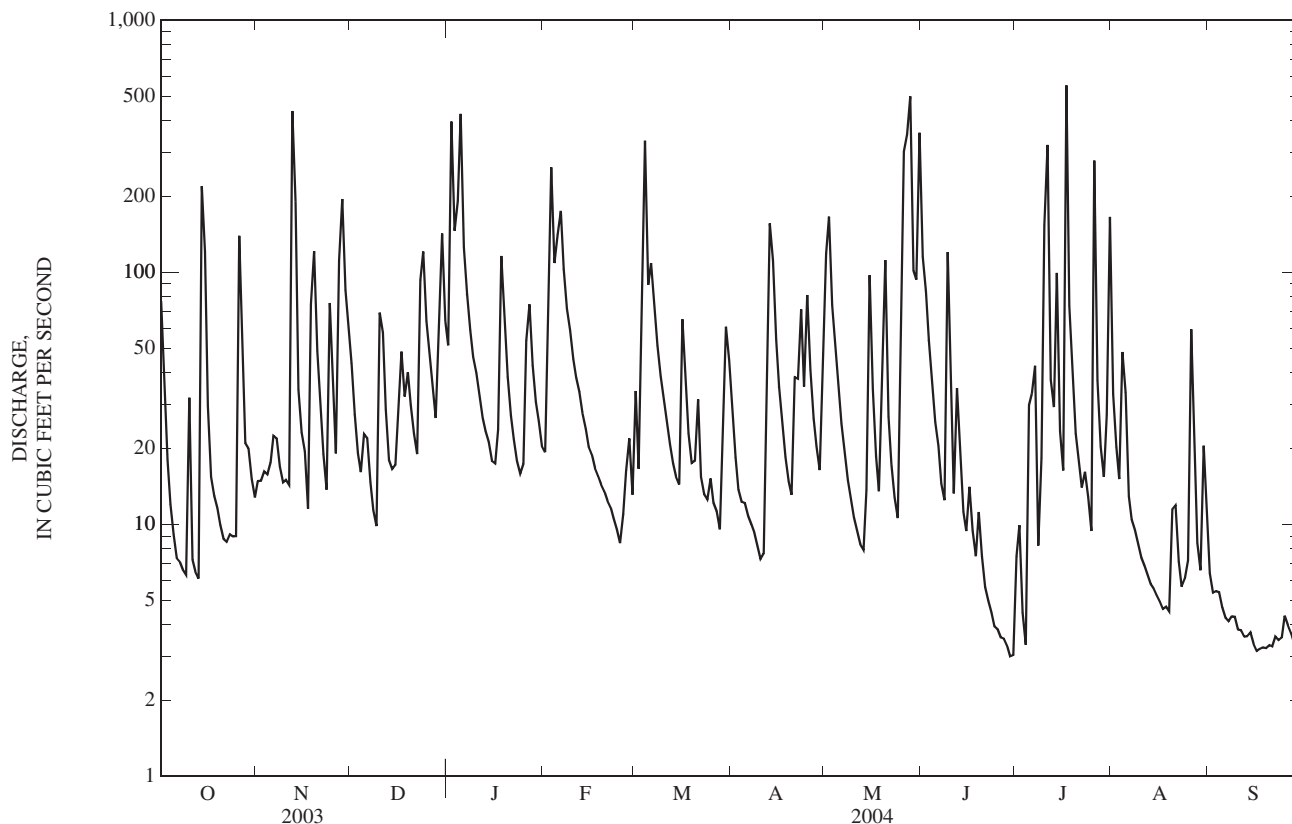
SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 1996 - 2004

ANNUAL TOTAL	16,167.7			
ANNUAL MEAN	44.2		44.2	
HIGHEST ANNUAL MEAN			44.2	2004
LOWEST ANNUAL MEAN			44.2	2004
HIGHEST DAILY MEAN	551	Jul 17	890	Sep 2, 2003
LOWEST DAILY MEAN	3.0	Jun 29	0.36	Sep 3, 1996
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 15	0.76	Aug 30, 1996
MAXIMUM PEAK FLOW	1,120	Jul 11	1,120	Jul 11, 2004
MAXIMUM PEAK STAGE	10.96	Jul 11	10.96	Jul 11, 2004
10 PERCENT EXCEEDS	110		110	
50 PERCENT EXCEEDS	19		19	
90 PERCENT EXCEEDS	4.7		4.7	

e Estimated



03294500 OHIO RIVER AT LOUISVILLE, KY

LOCATION.--Lat 38°16'49", long 85°47'57", Jefferson County, Hydrologic Unit 05140101, on left bank at downstream end of lock guide wall in lower pool at McAlpine Locks, at Louisville, 5.3 mi downstream from Beargrass Creek, and at mile 607.3.

DRAINAGE AREA.--91,170 mi², approximately.

PERIOD OF RECORD.--January 1928 to current year. Prior to October 1935 monthly discharge only, published in WSP 1305. Gage-height records collected in this vicinity since 1871 are published in reports of National Weather Service.

REVISED RECORDS.--WSP 893: 1939, KY-92-1 peak.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 373.18 ft above NGVD of 1929 or 374.00 ft Ohio River datum. Prior to Oct. 1, 1939, and Oct. 1, 1943 to Sept. 30, 1946, various combinations of gages near Louisville were used. Oct. 1, 1939 to Sept. 30, 1943, water-stage recorders at Louisville and Kosmosdale, downstream from McAlpine Dam (4 mi and 20.1 mi, respectively), were used to determine discharge. Oct. 1, 1946 to Sept. 30, 1961, nonrecording gage at site 0.3 mi upstream at same datum. Oct. 1, 1952 to Sept. 30, 1970, upper nonrecording gage at dam 43, 25.9 mi downstream used as an auxiliary gage. Since Oct. 1, 1970, auxiliary water-stage recorder at Kosmosdale, 19.8 mi downstream. Datum of auxiliary gage is 372.75 ft above NGVD of 1929 or 373.67 ft above Ohio River Datum.

REMARKS.--Records good except for estimated periods and those below 20,000 ft³/s, which are poor. Flow regulated by Ohio River system of locks, dams, and reservoirs.

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	144,000	117,000	306,000	202,000	67,900	87,800	210,000	194,000	468,000	48,100	137,000	e51,500
2	136,000	107,000	296,000	238,000	69,600	97,700	232,000	213,000	457,000	51,900	110,000	e45,000
3	112,000	94,800	273,000	285,000	100,000	97,600	262,000	226,000	444,000	46,700	119,000	e42,300
4	91,500	70,900	241,000	393,000	155,000	153,000	311,000	186,000	393,000	32,700	117,000	e31,400
5	81,700	67,600	203,000	516,000	211,000	203,000	341,000	157,000	308,000	44,300	113,000	e30,700
6	68,300	76,100	178,000	524,000	275,000	242,000	331,000	173,000	235,000	43,700	93,900	e33,600
7	70,400	124,000	164,000	521,000	375,000	330,000	291,000	155,000	216,000	38,000	91,600	e34,800
8	77,500	150,000	164,000	519,000	428,000	410,000	251,000	131,000	212,000	51,100	74,200	e22,700
9	70,800	160,000	169,000	517,000	474,000	447,000	205,000	107,000	167,000	31,800	61,800	e134,000
10	43,200	146,000	157,000	504,000	499,000	449,000	172,000	91,000	123,000	45,800	34,900	e272,000
11	51,500	109,000	151,000	472,000	495,000	413,000	151,000	82,600	86,500	31,000	32,900	e336,000
12	46,500	123,000	160,000	401,000	435,000	352,000	146,000	66,900	90,300	40,400	39,200	e341,000
13	34,500	203,000	203,000	315,000	340,000	291,000	141,000	80,200	151,000	33,600	37,100	e325,000
14	46,200	305,000	238,000	265,000	267,000	247,000	225,000	90,700	195,000	42,900	32,400	e260,000
15	45,200	375,000	258,000	230,000	211,000	200,000	317,000	94,000	214,000	62,500	27,500	e158,000
16	90,400	378,000	251,000	204,000	167,000	172,000	415,000	83,700	228,000	51,300	27,200	e123,000
17	110,000	313,000	243,000	177,000	140,000	143,000	462,000	78,200	229,000	56,000	27,100	e118,000
18	101,000	236,000	252,000	161,000	120,000	132,000	468,000	78,100	240,000	50,800	26,900	e264,000
19	107,000	192,000	254,000	158,000	106,000	133,000	439,000	95,100	233,000	49,800	25,200	e390,000
20	104,000	215,000	251,000	178,000	97,900	149,000	376,000	143,000	213,000	39,900	23,900	e475,000
21	88,700	313,000	230,000	198,000	92,700	152,000	267,000	186,000	215,000	48,700	47,300	e492,000
22	77,300	422,000	198,000	191,000	103,000	164,000	234,000	213,000	198,000	55,400	83,400	e480,000
23	65,900	464,000	172,000	156,000	121,000	195,000	215,000	221,000	162,000	59,200	124,000	e465,000
24	62,400	466,000	174,000	134,000	138,000	223,000	225,000	244,000	114,000	51,400	143,000	e423,000
25	58,200	436,000	184,000	116,000	139,000	229,000	218,000	280,000	103,000	45,400	104,000	e250,000
26	53,800	371,000	212,000	97,500	135,000	216,000	223,000	313,000	95,500	35,900	e48,800	e175,000
27	47,600	301,000	238,000	75,300	131,000	184,000	199,000	337,000	97,800	41,300	e44,200	e130,000
28	77,200	278,000	254,000	86,200	118,000	158,000	179,000	370,000	93,600	79,000	e47,900	e108,000
29	91,100	302,000	247,000	105,000	100,000	151,000	204,000	380,000	92,500	121,000	e38,900	e92,000
30	104,000	314,000	229,000	94,600	---	154,000	218,000	422,000	72,400	116,000	e82,800	e107,000
31	118,000	---	222,000	90,000	---	193,000	---	467,000	---	140,000	e64,800	---
TOTAL	2,475,900	7,229,400	6,772,000	8,123,600	6,111,100	6,768,100	7,928,000	5,958,500	6,146,600	1,685,600	2,080,900	6,210,000
MEAN	79,870	241,000	218,500	262,100	210,700	218,300	264,300	192,200	204,900	54,370	67,130	207,000
MAX	144,000	466,000	306,000	524,000	499,000	449,000	468,000	467,000	468,000	140,000	143,000	492,000
MIN	34,500	67,600	151,000	75,300	67,900	87,800	141,000	66,900	72,400	31,000	23,900	22,700

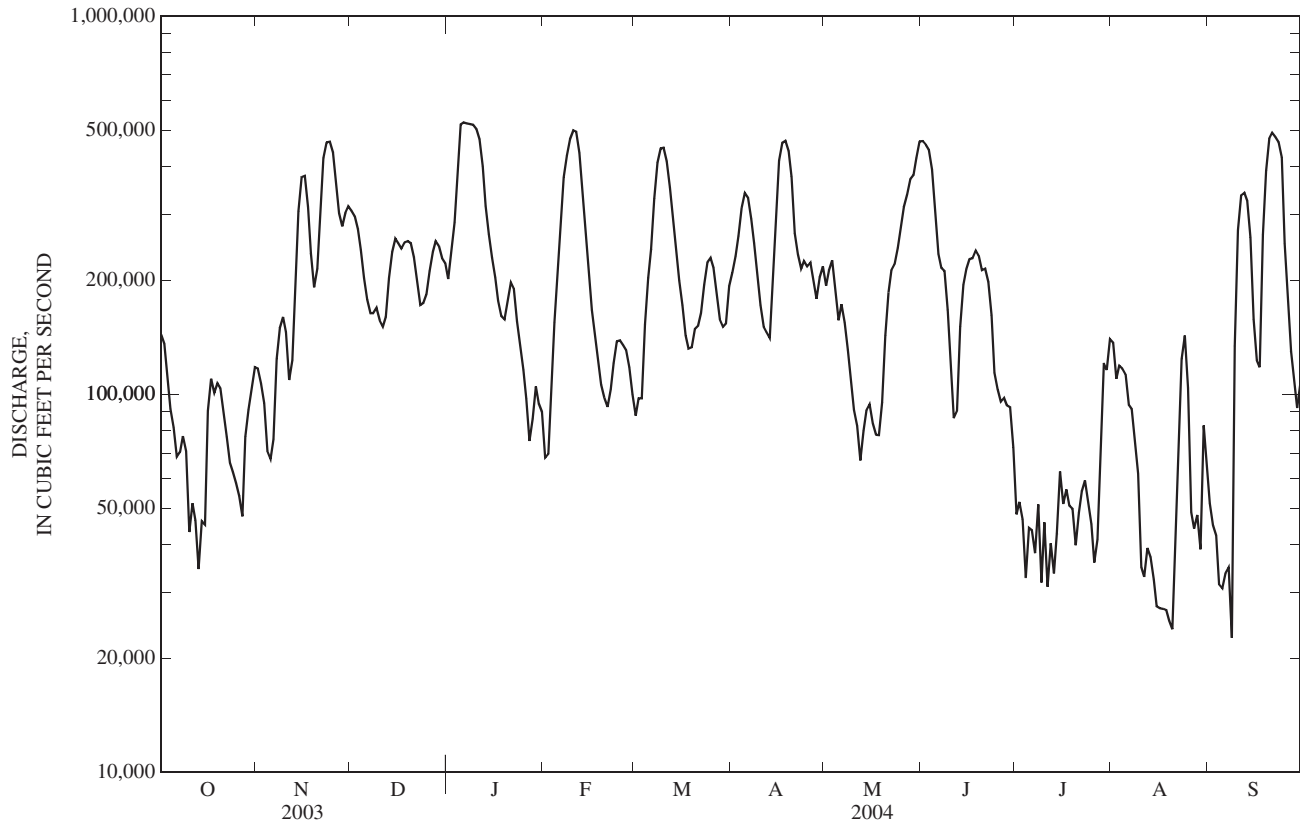
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	37,780	70,530	122,600	164,800	193,800	241,000	204,400	147,000	89,120	56,390	44,700	36,250
MAX	153,500	245,900	321,300	595,800	430,400	524,300	403,300	392,900	234,400	163,400	151,300	207,000
(WY)	(1980)	(1986)	(1973)	(1937)	(1939)	(1945)	(1948)	(1996)	(1981)	(1958)	(1958)	(2004)
MIN	4,377	6,660	14,090	21,630	38,010	69,390	66,480	29,350	16,400	8,035	4,924	6,005
(WY)	(1931)	(1931)	(1931)	(1931)	(1934)	(1969)	(1986)	(1941)	(1988)	(1930)	(1930)	(1930)

03294500 OHIO RIVER AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	62,761,100		67,489,700		117,000	
ANNUAL MEAN	171,900		184,400		184,400	
HIGHEST ANNUAL MEAN					184,400	
LOWEST ANNUAL MEAN					57,390	
HIGHEST DAILY MEAN	471,000	Feb 27	524,000	Jan 6	1,110,000	Jan 27, 1937
LOWEST DAILY MEAN	14,200	Jan 29	22,700	Sep 8	949	Sep 4, 2002
ANNUAL SEVEN-DAY MINIMUM	19,600	Jan 24	27,200	Aug 14	3,530	Oct 15, 1930
MAXIMUM PEAK FLOW			527,000	Jan 7	1,110,000	Jan 27, 1937
MAXIMUM PEAK STAGE			55.07	Jan 8	85.44	Jan 27, 1937
10 PERCENT EXCEEDS	313,000		393,000		281,000	
50 PERCENT EXCEEDS	151,000		155,000		73,400	
90 PERCENT EXCEEDS	51,500		45,700		16,800	

e Estimated



03294550 MILL CREEK CUTOFF NEAR LOUISVILLE, KY

LOCATION.--Lat 38°10'39", long 85°52'01", Jefferson County, Hydrologic Unit 05140101, on left bank at bridge on Highway 1230, 0.8 mi downstream from Big Run Creek, 1.5 mi upstream from Ohio River, and 6.0 mi southwest of Louisville.

DRAINAGE AREA.--24.4 mi².

PERIOD OF RECORD.--May 1988 to January 1995, August 1999 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 414.276 ft above NGVD of 1929.

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 25	2245	1,750	10.00	Aug 5	0210	1,890	10.38
May 27	2355	*2,080	*10.86				

Minimum discharge, 0.34 ft³/s, Mar. 1, gage height, 2.50 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	2.6	2.8	3.1	3.6	2.6	3.4	3.3	95	e40	1.2	3.0	1.1
2	1.1	2.8	2.0	157	83	3.3	1.8	120	e250	1.6	1.4	8.9
3	1.1	2.6	1.8	12	97	25	2.6	11	e37	1.5	1.2	11
4	1.2	2.4	2.2	114	10	242	2.6	4.9	e6.5	1.5	1.7	1.9
5	1.1	2.5	4.1	514	88	23	2.1	2.8	2.4	17	280	1.3
6	1.2	3.2	3.1	e107	66	18	0.85	1.6	1.7	10	4.9	1.2
7	1.1	2.8	2.1	e26	12	7.1	1.5	1.2	1.7	11	2.0	1.2
8	2.1	2.5	1.9	e11	6.2	5.1	2.1	1.2	1.6	1.6	1.6	1.5
9	2.1	2.5	1.7	e7.0	e5.4	e3.7	2.2	1.1	1.7	18	1.4	1.2
10	2.3	2.5	32	e5.1	e3.7	e3.1	1.9	1.1	1.8	19	1.9	1.1
11	2.2	2.6	6.6	e4.2	e3.9	e2.6	1.2	0.79	1.8	2.0	1.6	1.4
12	2.1	92	2.9	e3.0	e3.7	2.8	17	0.56	52	20	1.9	1.5
13	2.0	11	2.2	2.5	e3.3	2.4	131	0.56	6.6	3.8	2.7	1.4
14	49	3.6	3.4	2.2	3.2	2.4	39	12	1.7	12	2.0	1.1
15	6.1	10	3.4	2.1	3.1	2.4	7.6	119	1.3	2.2	1.7	1.0
16	2.5	4.4	29	1.9	2.7	21	4.4	9.5	43	1.8	1.4	1.0
17	2.1	2.5	9.9	9.8	2.6	6.5	e2.9	4.7	6.2	8.5	1.6	1.1
18	2.7	62	4.5	50	2.5	3.9	e2.3	3.7	1.6	2.2	1.8	1.0
19	2.8	25	3.8	7.6	2.8	3.0	e1.9	26	1.9	1.8	3.6	1.0
20	2.9	4.7	2.5	4.3	3.1	2.9	2.1	15	1.5	1.6	4.9	0.99
21	3.1	2.7	2.2	3.6	3.0	3.6	13	2.2	1.2	1.5	4.5	e1.1
22	2.6	2.1	2.1	3.4	2.7	2.6	17	1.1	1.1	1.7	1.3	e1.1
23	3.2	14	59	2.9	2.6	1.7	46	0.76	1.1	106	1.1	e1.1
24	3.2	e36	18	2.9	2.6	1.5	8.3	0.67	1.2	15	1.3	e1.1
25	3.2	e13	4.5	3.3	2.0	0.85	82	148	1.5	2.4	5.9	1.2
26	33	2.7	3.0	19	1.9	0.64	8.7	172	1.6	1.9	79	1.1
27	5.1	66	2.5	24	1.8	0.60	3.1	334	1.3	1.4	8.3	1.1
28	3.3	48	2.2	6.1	1.8	0.61	1.8	357	1.1	1.3	2.1	1.0
29	3.0	6.9	44	4.4	0.63	5.2	1.8	10	1.1	1.4	1.3	1.0
30	2.5	3.5	29	4.3	---	12	30	82	1.0	4.9	1.2	1.1
31	2.4	---	5.3	3.0	---	5.2	---	e405	---	54	1.1	---
TOTAL	154.9	439.3	294.0	1,121.2	423.83	418.10	442.05	1,944.44	474.2	329.8	429.4	52.79
MEAN	5.00	14.6	9.48	36.2	14.6	13.5	14.7	62.7	15.8	10.6	13.9	1.76
MAX	49	92	59	514	97	242	131	405	250	106	280	11
MIN	1.1	2.1	1.7	1.9	0.63	0.60	0.85	0.56	1.0	1.2	1.1	0.99
CFSM	0.20	0.60	0.39	1.48	0.60	0.55	0.60	2.57	0.65	0.44	0.57	0.07
IN.	0.24	0.67	0.45	1.71	0.65	0.64	0.67	2.96	0.72	0.50	0.65	0.08

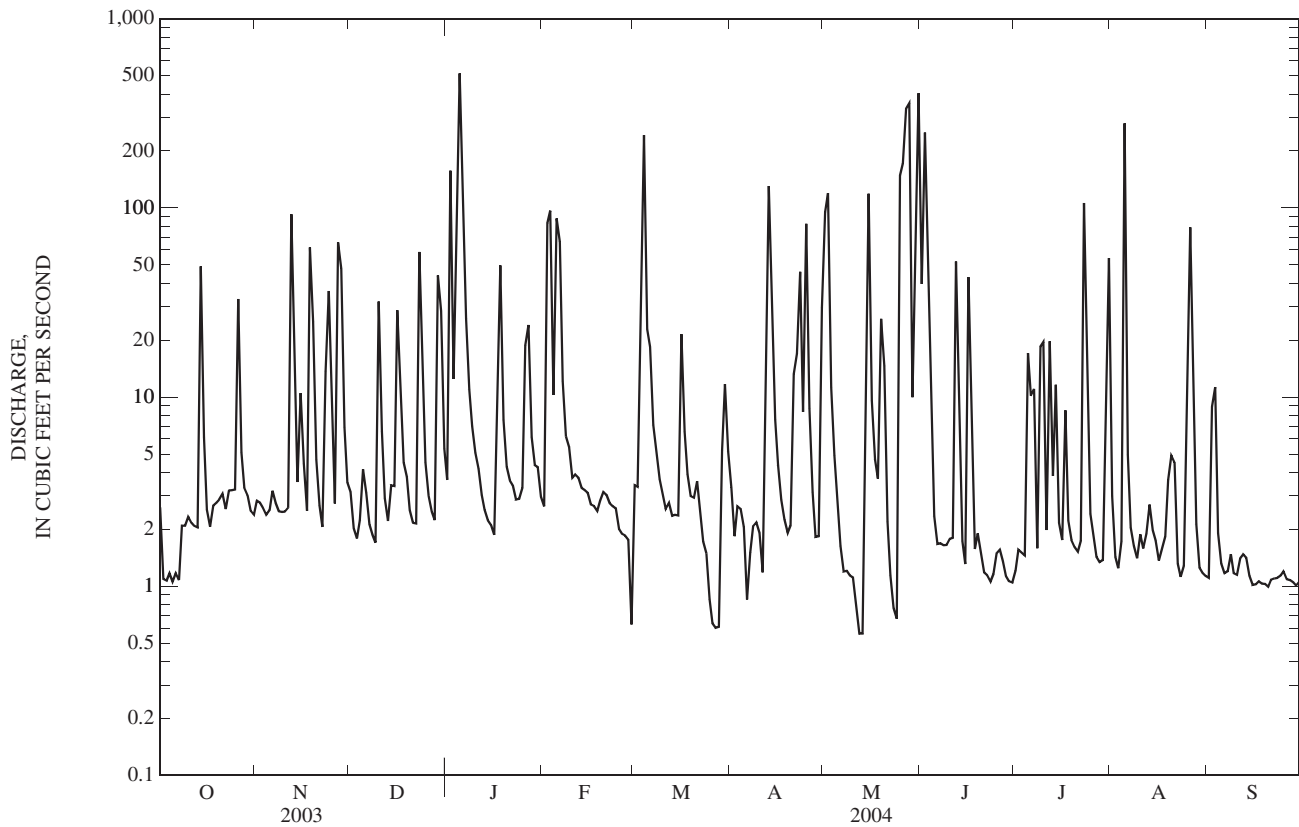
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

	MEAN	6.21	10.0	19.3	23.4	32.0	29.0	13.5	22.0	10.5	7.58	7.68	8.40
MAX	19.4	21.7	73.0	72.3	87.0	89.2	31.6	69.8	49.1	23.5	33.4	28.6	
(WY)	(2002)	(2002)	(1991)	(1991)	(1989)	(2002)	(2002)	(1990)	(1990)	(1989)	(1992)	(2002)	
MIN	0.18	0.31	1.35	3.26	3.97	1.78	0.93	3.21	0.04	0.18	0.83	0.07	
(WY)	(1989)	(2000)	(1990)	(2001)	(1992)	(2003)	(2001)	(2000)	(1988)	(2002)	(2001)	(1988)	

03294550 MILL CREEK CUTOFF NEAR LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	3,766.31		6,524.01		16.0	
ANNUAL MEAN	10.3		17.8		25.5	
HIGHEST ANNUAL MEAN					7.41	
LOWEST ANNUAL MEAN					1,070	
HIGHEST DAILY MEAN	316	Sep 2	514	Jan 5	1,070	Feb 15, 1990
LOWEST DAILY MEAN	0.00	Jan 11	0.56	May 12	0.00	May 15, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 14	0.93	May 7	0.00	May 28, 1988
MAXIMUM PEAK FLOW			2,080	May 27	4,310	Aug 8, 1992
MAXIMUM PEAK STAGE			10.86	May 27	15.83	Aug 8, 1992
ANNUAL RUNOFF (CFSM)	0.423		0.731		0.655	
ANNUAL RUNOFF (INCHES)	5.74		9.95		8.90	
10 PERCENT EXCEEDS	28		41		30	
50 PERCENT EXCEEDS	2.1		2.7		1.6	
90 PERCENT EXCEEDS	0.17		1.1		0.00	

e Estimated



03294570 MILL CREEK AT ORELL ROAD NEAR LOUISVILLE, KY

LOCATION.--Lat 38°04'41", long 85°53'24", Jefferson County, Hydrologic Unit 05140101, on right bank at bridge on Orell Road, 5.0 mi southwest of Louisville, and at mile 1.5

DRAINAGE AREA.--13.5 mi².

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

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 405.63 ft above NGVD of 1929.

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

Cooperation.--Louisville and Jefferson County Metropolitan Sewer 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	1.1	1.1	3.9	5.3	2.0	1.8	3.2	64	e78	1.6	5.5	1.8
2	0.79	1.1	2.7	194	80	3.9	1.9	145	e151	2.1	1.7	2.4
3	0.61	1.2	2.2	31	160	15	1.3	21	e23	1.8	1.3	8.8
4	0.62	1.4	2.6	e93	21	418	0.99	6.4	e8.6	1.6	1.2	4.1
5	0.48	1.7	6.1	e147	65	35	1.4	3.2	e4.8	13	386	2.2
6	0.49	2.3	5.9	e43	116	26	2.4	1.9	3.5	22	16	2.1
7	0.45	3.0	2.9	e15	e37	e19	0.87	1.3	3.1	15	5.1	2.2
8	0.66	2.2	2.0	e10	e24	e12	0.81	1.2	3.4	2.9	2.7	2.5
9	1.1	1.6	1.9	e7.7	e15	e8.1	0.73	0.87	4.1	36	2.1	2.3
10	1.5	1.5	18	e5.6	e9.1	e6.1	0.73	0.67	3.7	72	2.1	2.5
11	1.7	1.7	12	e4.9	e6.0	e4.3	0.87	0.65	3.7	6.1	2.3	2.3
12	1.6	132	4.8	e3.5	e4.6	e3.1	10	0.78	24	46	2.2	e2.4
13	1.5	38	2.9	e3.0	e3.9	e1.9	113	0.81	16	13	2.0	e3.0
14	40	11	2.9	2.3	e2.7	1.2	55	3.9	5.3	29	2.0	e3.4
15	16	e8.5	3.5	1.7	2.1	1.1	9.7	133	3.7	6.5	1.8	3.4
16	1.6	e7.3	23	1.5	1.8	11	e7.7	22	28	2.5	1.8	2.9
17	1.0	e6.3	21	3.4	1.7	6.6	e5.0	5.3	18	1.9	2.0	2.8
18	1.0	46	7.9	46	1.8	2.3	e3.4	5.5	4.2	1.2	2.3	2.7
19	0.84	45	7.5	14	1.7	1.3	e2.5	17	3.1	1.2	2.1	2.4
20	1.0	10	4.7	5.5	1.4	3.6	e2.2	36	1.9	1.2	7.3	e2.5
21	1.3	4.2	3.0	3.5	1.4	3.5	e3.7	5.5	1.7	1.2	7.9	e2.6
22	1.3	e4.2	2.5	2.6	1.3	1.6	12	2.1	1.8	6.5	2.9	e2.8
23	1.5	e3.4	44	1.8	1.1	1.6	40	1.2	1.9	11	2.4	e2.9
24	1.4	e23	33	1.8	0.97	1.4	13	1.0	1.3	6.9	1.9	e2.7
25	1.5	e17	8.8	2.0	1.1	1.2	82	9.9	1.1	1.9	8.1	e2.3
26	35	e13	4.6	8.4	1.2	1.1	17	197	1.4	1.2	75	e1.8
27	9.0	e36	3.1	24	1.1	1.1	4.7	e741	1.5	1.2	30	1.2
28	1.9	56	2.3	10	0.98	0.93	2.0	e1,170	1.6	1.2	7.0	1.3
29	1.2	15	25	7.9	0.83	3.9	1.5	e108	1.4	1.2	3.9	2.2
30	1.0	6.5	46	4.6	---	11	28	e238	1.3	1.4	3.1	2.2
31	0.99	---	10	2.1	---	6.5	---	e328	---	37	2.4	---
TOTAL	130.13	501.2	320.7	706.1	566.78	615.13	427.60	3,272.18	406.1	347.3	594.1	80.7
MEAN	4.20	16.7	10.3	22.8	19.5	19.8	14.3	106	13.5	11.2	19.2	2.69
MAX	40	132	46	194	160	418	113	1,170	151	72	386	8.8
MIN	0.45	1.1	1.9	1.5	0.83	0.93	0.73	0.65	1.1	1.2	1.2	1.2

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

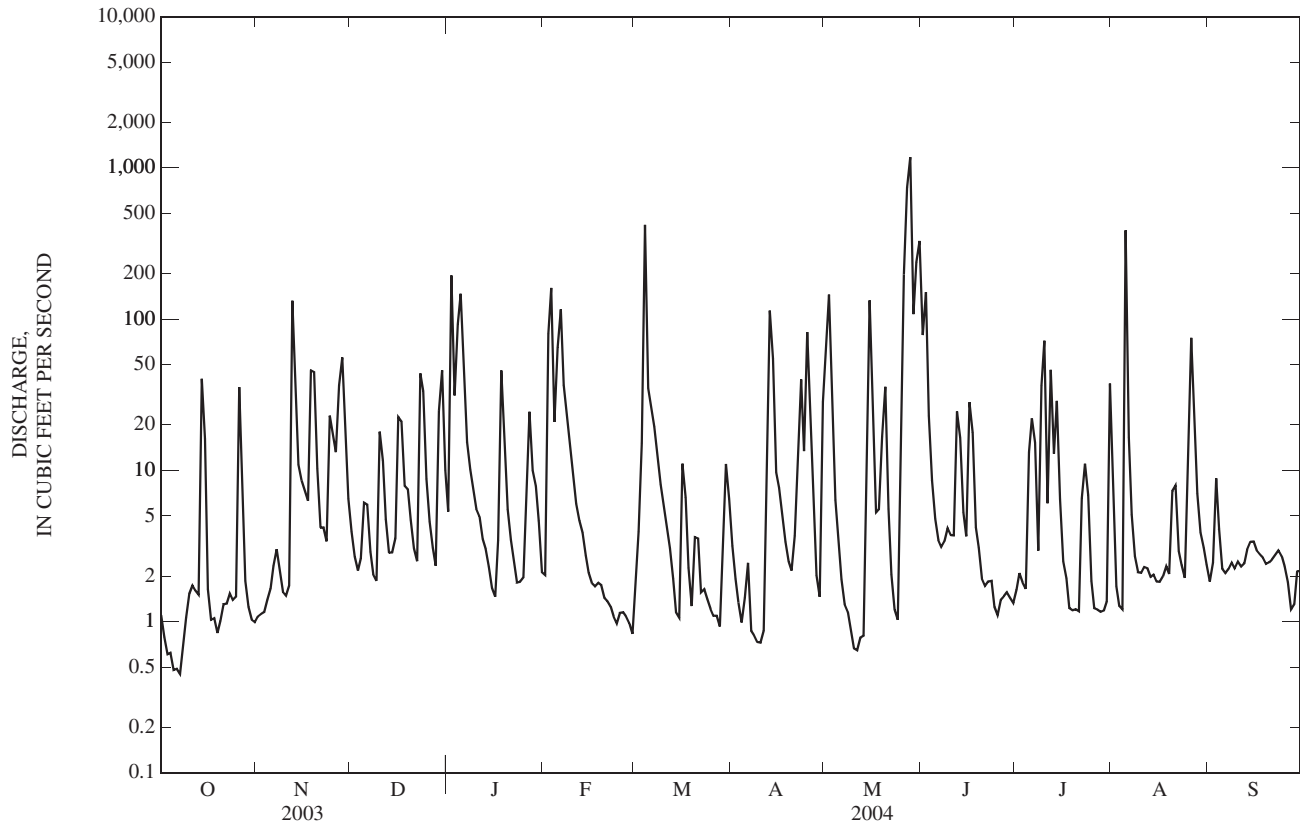
	MEAN	10.2	17.3	27.1	31.9	39.1	33.3	42.7	51.2	9.81	5.14	7.08	16.6
	MAX	27.5	40.7	41.4	71.3	75.2	111	121	106	14.8	11.2	19.2	51.8
	(WY)	(2002)	(2002)	(2002)	(2000)	(2000)	(2002)	(2000)	(2004)	(2003)	(2004)	(2004)	(2002)
	MIN	2.15	8.14	10.3	3.28	12.1	5.00	2.16	4.46	4.09	1.60	1.84	2.69
	(WY)	(2001)	(2001)	(2004)	(2001)	(2002)	(2003)	(2001)	(2000)	(2001)	(2002)	(2002)	(2004)

03294570 MILL CREEK AT ORELL ROAD NEAR LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	5,258.39		7,968.02		24.5	
ANNUAL MEAN	14.4		21.8		42.1	
HIGHEST ANNUAL MEAN					13.8	
LOWEST ANNUAL MEAN					1,680	
HIGHEST DAILY MEAN	359	Sep 2	1,170	May 28	1,680	Apr 9, 2000
LOWEST DAILY MEAN	0.45	Oct 7	0.45	Oct 7	0.08	Jan 1, 2000
ANNUAL SEVEN-DAY MINIMUM	0.59	Oct 2	0.59	Oct 2	0.15	Dec 26, 1999
MAXIMUM PEAK FLOW			1,170	May 28	7,430	Mar 26, 2002
MAXIMUM PEAK STAGE			b 14.84	Jun 2	16.53	Feb 19, 2000
10 PERCENT EXCEEDS	35		39		36	
50 PERCENT EXCEEDS	3.5		3.0		2.8	
90 PERCENT EXCEEDS	1.2		1.1		0.74	

e Estimated

b Backwater from Ohio River



03295400 SALT RIVER AT GLENSBORO, KY

LOCATION.--Lat 38°00'07", long 85°03'38", Anderson County, Hydrologic Unit 05140102, on left bank 5 ft downstream from bridge on Highway 53 at Glensboro, 0.9 mi upstream from Timber Creek, 2.0 mi downstream from Indian Creek, and at mile 82.5.

DRAINAGE AREA.--172 mi².

PERIOD OF RECORD.--May 1989 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 593.39 ft above NGVD of 1929.

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

COOPERATION.--Kentucky Natural Resources and Environmental Protection Cabinet and U.S. Army Corps of Engineers, Louisville District.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1900	6,800	9.14	May 31	0230	*15,200	*11.53
Mar 6	0015	6,100	8.85	Jul 17	1015	9,740	10.13
May 28	0500	8,010	9.58				

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	46	32	510	301	e181	55	136	118	1,420	22	1,170	25
2	39	28	355	2,600	218	91	106	711	987	19	224	17
3	32	26	293	1,970	1,180	87	94	914	317	17	94	13
4	29	24	305	772	772	147	83	335	208	18	62	11
5	26	25	700	1,820	780	1,020	74	217	166	29	1,260	9.4
6	24	31	722	1,230	2,370	3,190	67	166	123	97	840	8.3
7	21	75	533	542	1,110	1,060	63	132	96	136	194	7.6
8	19	83	434	328	524	417	59	108	79	41	90	7.7
9	17	59	375	254	337	252	55	91	67	26	59	8.7
10	16	46	1,140	200	264	188	50	78	62	43	45	8.1
11	14	40	1,650	168	219	154	47	69.0	58	170	35	7.1
12	14	2,000	893	154	184	130	99	61	75	46.0	28	9.5
13	13	2,430	635	156	159	112	417	57	235	30.0	24	9.1
14	14	641	563	140	142	104	1,300	54	90	368	22	7.7
15	28	387	614	130	129	97	570	867	69	78	19	6.3
16	27	385	1,470	114	113	102	262	337	67	48	16	5.5
17	23	309	e2,000	108	103	101	182	142	71	4,270	14	29
18	24	447	972	e531	95	93	142	111	167	714	12	796
19	22	1,540	630	568	91	82	116	113	174	155	10	183
20	18	1,140	407	288	89	108	101	175	88	71	9.9	77
21	15	548	296	207	84	335	117	111	59	46	10	47
22	13	332	260	173	76	238	692	78	45	36	13	34
23	12	247	361	147	71	144	1,800	61	63	37	48	27
24	11	274	1,080	130	68	118	e1,170	50	40	43	31	21
25	11	269	604	120	64	103	548	60	45	34	22	18
26	46	237	349	303	60	92	376	369	87	23	19	15
27	94	567	256	758	58	84	241	2,060	71	19	30	12
28	64	1,920	209	429	55	78	181	4,130	45	16	24	11
29	66	1,760	194	267	52	78	145	1,000	33	13	21	9.6
30	51	823	909	217	---	191	128	3,140	26	12	18	8.7
31	39	---	533	e197	---	175	---	7,310	---	2,030	29	---
TOTAL	888	16,725	20,252	15,322	9,648	9,226	9,421	23,225.0	5,133	8,707.0	4,492.9	1,449.3
MEAN	28.6	558	653	494	333	298	314	749	171	281	145	48.3
MAX	94	2,430	2,000	2,600	2,370	3,190	1,800	7,310	1,420	4,270	1,260	796
MIN	11	24	194	108	52	55	47	50	26	12	9.9	5.5
CFSM	0.17	3.24	3.80	2.87	1.93	1.73	1.83	4.36	0.99	1.63	0.84	0.28
IN.	0.19	3.62	4.38	3.31	2.09	2.00	2.04	5.02	1.11	1.88	0.97	0.31

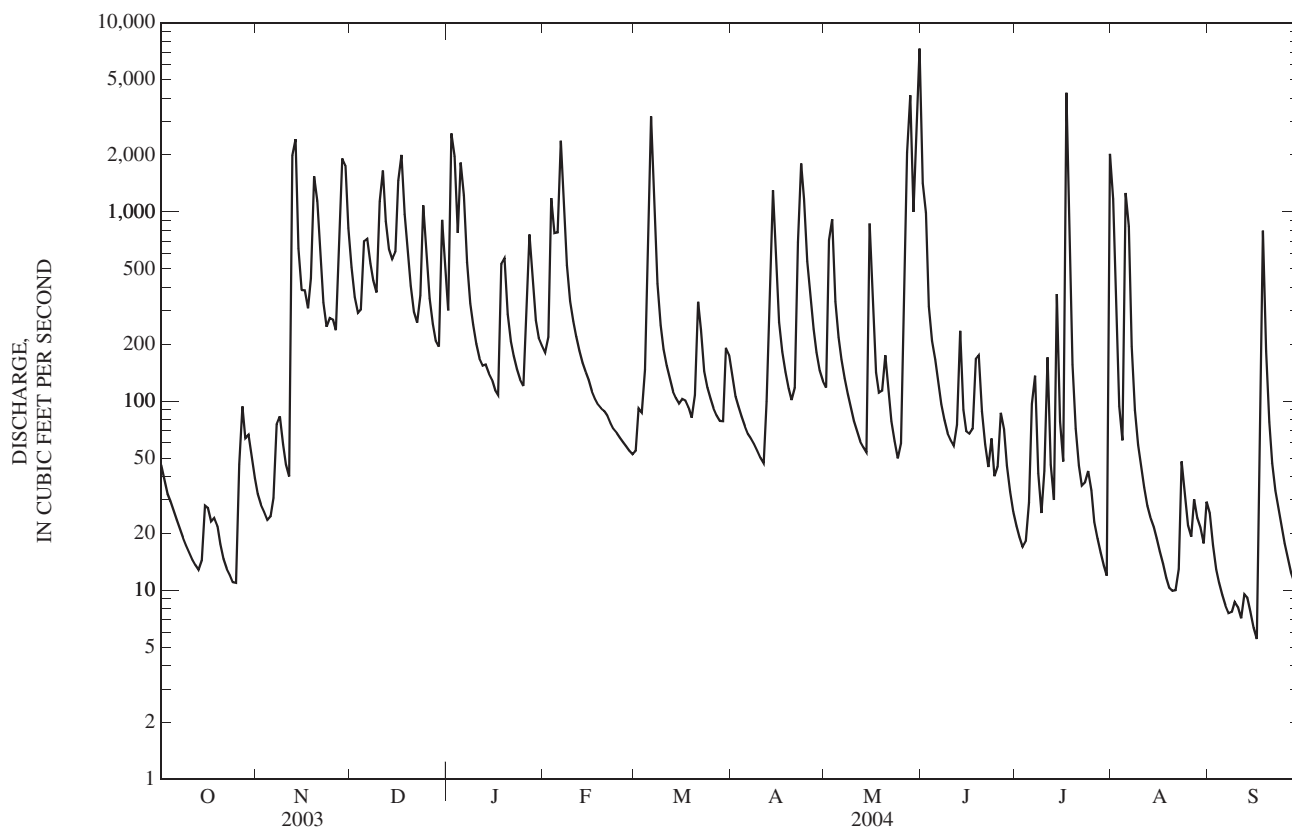
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

MEAN	71.4	191	363	414	452	545	227	360	275	133	60.2	71.1
MAX	351	558	1,360	675	1,041	1,845	480	925	926	528	145	383
(WY)	(2003)	(2004)	(1991)	(1994)	(2003)	(1997)	(1998)	(1995)	(1997)	(1998)	(2004)	(2003)
MIN	6.13	7.28	29.1	111	124	99.9	71.4	18.4	13.8	4.29	0.53	0.46
(WY)	(1995)	(2000)	(2000)	(2001)	(2002)	(1990)	(1997)	(2000)	(2000)	(2000)	(1999)	(1999)

03295400 SALT RIVER AT GLENSBORO, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1989 - 2004	
ANNUAL TOTAL	136,838		124,489.2		262	
ANNUAL MEAN	375		340		403	
HIGHEST ANNUAL MEAN					103	
LOWEST ANNUAL MEAN					16,400	
HIGHEST DAILY MEAN	7,000	Feb 16	7,310	May 31	16,400	Mar 2, 1997
LOWEST DAILY MEAN	11	Oct 24	5.5	Sep 16	0.00	Aug 5, 1999
ANNUAL SEVEN-DAY MINIMUM	15	Oct 19	7.6	Sep 10	0.00	Sep 6, 1999
MAXIMUM PEAK FLOW			15,200	May 31	22,000	Mar 2, 1997
MAXIMUM PEAK STAGE			11.53	May 31	12.91	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.18		1.98		1.53	
ANNUAL RUNOFF (INCHES)	29.60		26.92		20.73	
10 PERCENT EXCEEDS	949		931		593	
50 PERCENT EXCEEDS	116		100		76	
90 PERCENT EXCEEDS	24		16		5.5	

e Estimated



03295702 BULLSKIN CREEK NEAR SIMPSONVILLE, KY

LOCATION.--Lat 38°13'07", long 85°18'07", Shelby County, Hydrologic Unit 05140102, at center span on the downstream side of bridge on Highway 60, 2.6 miles east of Simpsonville, 2.6 miles below Fox Run, and at mile 21.7.

DRAINAGE AREA.--54.8 mi².

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

GAGE.--Water-stage recorder with telemetry. Datum of gage is 671.98 ft above NGVD of 1929.

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

COOPERATION.--City of Simpsonville.

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	26	15	101	109	e99	22	45	209	317	1.9	84	3.4
2	21	14	75	1,150	e287	39	37	1,210	179	1.6	36	1.8
3	16	13	64	338	982	35	32	319	105	1.4	20	1.4
4	15	13	61	326	192	1,340	27	159	74	1.4	33	1.2
5	14	12	84	1,230	303	466	23	105	56	2.0	564	0.98
6	11	13	87	260	838	590	20	74	41	4.5	58	0.84
7	9.7	15	73	152	222	212	19	55	31	8.6	22	0.68
8	8.5	12	65	113	130	121	18	43	23	4.7	12	0.67
9	7.4	10	58	95	100	88	16	33	18	5.5	8.2	0.72
10	6.2	9.8	409	74	84	65	15	31	17	179	6.0	0.66
11	7.9	9.8	286	63	76	55	13	44	14	158	4.2	0.61
12	8.1	1,220	148	60	68	45	15	28	12	42	3.2	0.54
13	7.0	403	105	55	62	37	124	22	22	27	2.4	0.53
14	59	152	92	48	57	36	309	21	20	446	2.0	0.53
15	117	132	74	45	52	32	106	72	13	90	1.5	0.46
16	50	122	138	38	45	47	69	92	11	40	1.2	0.59
17	34	94	203	40	40	57	51	53	12	1,870	0.99	0.93
18	27	441	133	296	36	45	40	42	16	264	0.82	0.99
19	22	566	128	169	35	38	33	203	18	145	0.62	0.87
20	18	189	101	104	36	36	30	287	14	72	0.58	0.81
21	15	118	87	82	33	37	42	98	8.7	42	0.72	0.91
22	13	85	84	69	29	30	94	62	6.5	29	0.62	0.97
23	12	67	e418	56	27	28	390	41	5.2	21	0.56	0.46
24	11	112	e700	49	27	26	221	29	4.1	17	13	0.33
25	10	85	174	e32	24	24	355	33	7.5	12	4.2	0.30
26	23	68	115	e139	22	22	230	719	8.7	9.8	56	0.18
27	43	370	90	e337	20	22	120	1,550	4.6	11	28	0.08
28	26	641	75	e232	19	21	78	2,370	3.5	9.1	9.5	0.04
29	23	263	79	e127	18	24	58	271	2.7	6.8	4.9	0.00
30	19	151	350	e129	---	75	72	1,170	2.2	6.5	16	0.03
31	16	---	151	e139	---	51	---	2,500	---	240	7.4	---
TOTAL	695.8	5,415.6	4,808	6,156	3,963	3,766	2,702	11,945	1,066.7	3,768.8	1,001.61	22.51
MEAN	22.4	181	155	199	137	121	90.1	385	35.6	122	32.3	0.75
MAX	117	1,220	700	1,230	982	1,340	390	2,500	317	1,870	564	3.4
MIN	6.2	9.8	58	32	18	21	13	21	2.2	1.4	0.56	0.00

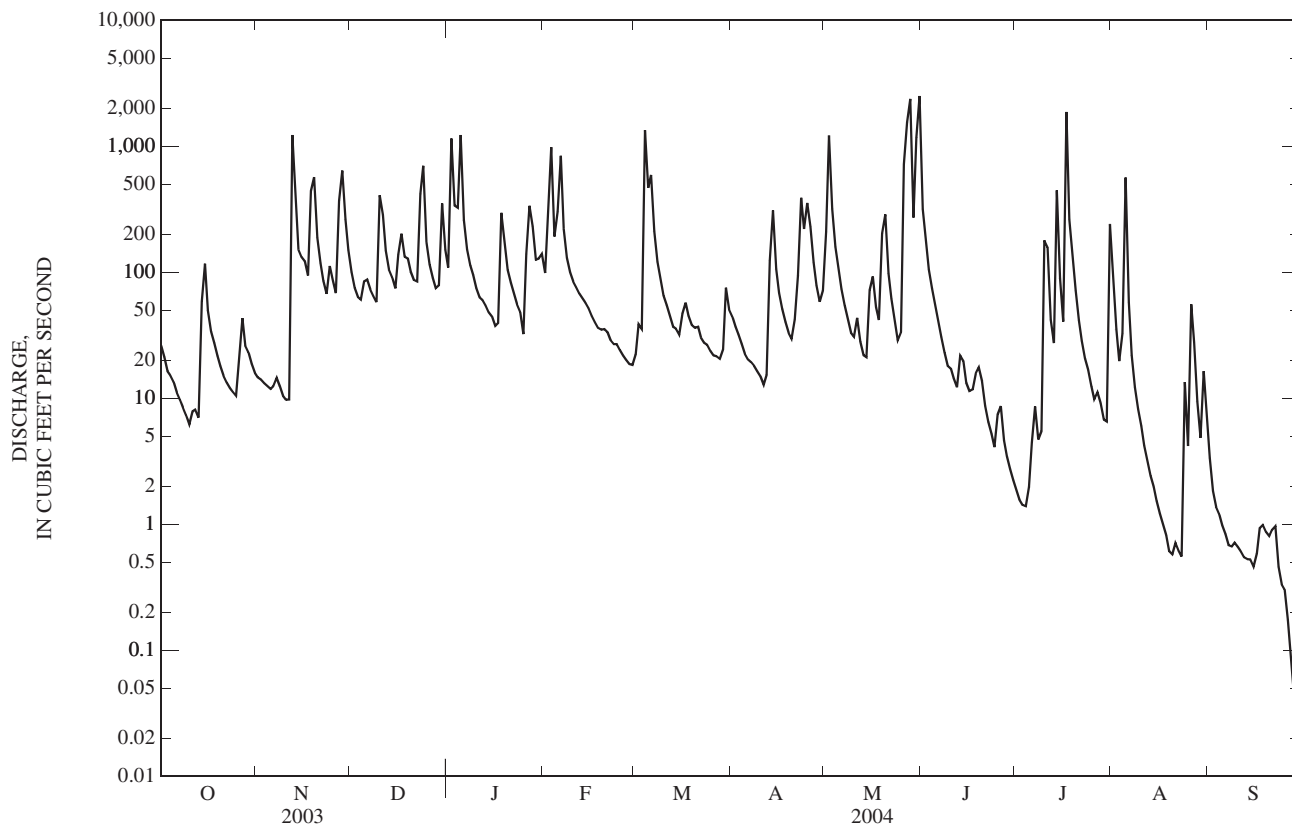
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	32.7	67.5	112	139	170	132	85.3	138	78.3	29.2	18.7	31.8
MAX	152	181	206	211	316	296	142	385	293	122	87.9	142
(WY)	(2003)	(2004)	(2003)	(2002)	(2000)	(2002)	(2003)	(2004)	(1998)	(2004)	(2003)	(2003)
MIN	0.00	0.18	5.20	44.3	67.4	54.2	28.4	2.61	8.99	0.25	0.00	0.00
(WY)	(2000)	(2000)	(1999)	(2001)	(1999)	(2003)	(1999)	(1999)	(2000)	(2001)	(1999)	(1999)

03295702 BULLSKIN CREEK NEAR SIMPSONVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	44,938.3		45,311.02		83.4	
ANNUAL MEAN	123		124		133	
HIGHEST ANNUAL MEAN					31.9	
LOWEST ANNUAL MEAN					3,830	
HIGHEST DAILY MEAN	2,350	Feb 22	2,500	May 31		Feb 18, 2000
LOWEST DAILY MEAN	2.7	Aug 21	0.00	Sep 29	0.00	Aug 25, 1998
ANNUAL SEVEN-DAY MINIMUM	4.3	Jul 3	0.14	Sep 24	0.00	Sep 5, 1998
MAXIMUM PEAK FLOW			5,250	May 28	8,990	Feb 18, 2000
MAXIMUM PEAK STAGE			15.24	May 28	21.05	Feb 18, 2000
10 PERCENT EXCEEDS	265		290		163	
50 PERCENT EXCEEDS	43		36		18	
90 PERCENT EXCEEDS	8.0		1.4		0.01	

e Estimated



03295890 BRASHEARS CREEK AT TAYLORSVILLE, KY

LOCATION.--Lat 38°02'13", long 85°20'27", Spencer County, Hydrologic Unit 05140102, on left bank at downstream side of bridge on State Highway 155, at the north edge of Taylorsville, 1.2 mi upstream from Salt River, and at mile 1.2.

DRAINAGE AREA.--259 mi²

PERIOD OF RECORD.--July 1981 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 466.85 ft above NGVD of 1929.

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

COOPEARTION.--Kentucky Natural Resources and Environmental Protection Cabinet and U.S. Army Corps of Engineers, Louisville, District.

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)
May 28	1100	10,200	18.65	Jul 17	1900	6,770	15.49
May 31	1100	*15,100	*22.21				

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	151	102	682	522	e211	81	220	343	2,580	20	1,230	56
2	145	91	483	2,520	e239	111	191	2,230	2,090	16	432	42
3	125	85	356	2,130	2,730	144	164	1,760	885	13	246	35
4	104	78	314	1,240	1,320	2,190	144	867	574	14	163	36
5	94	73	351	3,570	989	1,920	125	612	376	14	1,680	33
6	85	72	424	1,660	3,050	3,580	110	418	277	27	781	25
7	75	72	374	973	1,590	1,520	102	292	209	683	377	21
8	72	71	341	714	911	872	95	225	158	215	230	19
9	e67	67	307	544	690	633	85	174	121	110	150	16
10	63	61	783	430	533	470	77	139	113	151	104	13
11	61	56	1,630	338	426	349	73	124	106	808	77	14
12	57	410	910	303	359	284	82	128	101	377	59	14
13	50	2,440	685	273	313	237	286	101	85	202	47	12
14	63	792	553	240	282	205	1,180	87	85	1,080	38	11
15	205	591	422	219	257	189	767	119	87	610	31	9.2
16	264	538	422	194	222	202	536	294	76	279	26	8.1
17	176	445	939	176	190	245	396	217	156	5,190	22	13
18	138	443	743	580	177	215	298	166	198	1,850	20	15
19	118	1,670	664	867	161	184	223	190	71	803	22	28
20	102	963	554	e473	153	169	182	713	103	455	21	22
21	87	662	456	e306	146	187	196	369	71	282	19	17
22	76	450	405	e242	132	164	530	223	49	194	18	13
23	65	340	448	e200	118	141	1,350	155	39	145	20	10
24	62	343	1,550	e175	115	132	1,610	115	31	105	18	8.8
25	58	404	967	e163	109	123	1,060	98	213	79	67	7.7
26	85	302	699	e377	101	113	1,130	947	143	63	58	6.4
27	178	492	558	e977	92	107	677	3,660	92	50	123	7.5
28	191	2,280	424	556	86	101	453	7,550	49	44	106	13
29	153	1,680	349	e340	79	108	332	2,020	33	41	117	20
30	147	943	785	e254	---	248	280	1,910	25	37	119	20
31	138	---	662	217	---	274	---	12,000	---	1,170	74	---
TOTAL	3,455	17,016	19,240	21,773	15,781	15,498	12,954	38,246	9,196	15,127	6,495	565.7
MEAN	111	567	621	702	544	500	432	1,234	307	488	210	18.9
MAX	264	2,440	1,630	3,570	3,050	3,580	1,610	12,000	2,580	5,190	1,680	56
MIN	50	56	307	163	79	81	73	87	25	13	18	6.4
CFSM	0.43	2.19	2.40	2.71	2.10	1.93	1.67	4.76	1.18	1.88	0.81	0.07
IN.	0.50	2.44	2.76	3.13	2.27	2.23	1.86	5.49	1.32	2.17	0.93	0.08

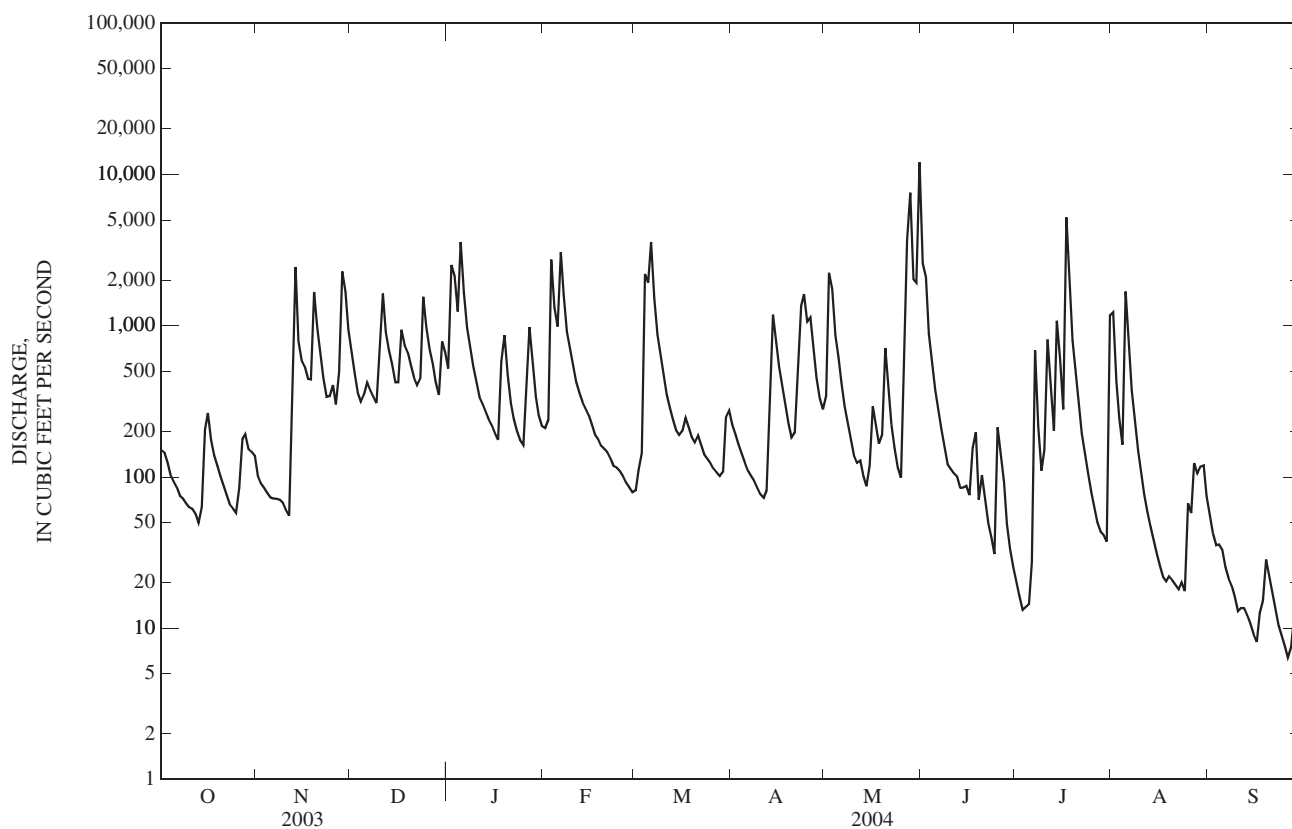
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2004, BY WATER YEAR (WY)

	MEAN	56.6	204	466	552	762	697	440	513	303	110	61.1	51.8
MAX	433	586	1,806	1,140	1,984	3,025	841	1,912	1,318	584	291	659	
(WY)	(2003)	(1986)	(1991)	(1999)	(1989)	(1997)	(1996)	(1983)	(1997)	(1998)	(1992)	(2003)	
MIN	0.01	2.76	51.1	47.0	212	80.5	48.4	37.2	1.90	4.44	0.03	0.00	
(WY)	(1989)	(2000)	(2000)	(1986)	(1992)	(1983)	(1986)	(2000)	(1988)	(1994)	(1983)	(1983)	

03295890 BRASHEARS CREEK AT TAYLORSVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1981 - 2004	
ANNUAL TOTAL	175,704		175,346.7		350	
ANNUAL MEAN	481		479		184	
HIGHEST ANNUAL MEAN					642	
LOWEST ANNUAL MEAN					184	
HIGHEST DAILY MEAN	5,760	Jan 1	12,000	May 31	39,600	Mar 2, 1997
LOWEST DAILY MEAN	22	Jul 8	6.4	Sep 26	0.00	Aug 19, 1983
ANNUAL SEVEN-DAY MINIMUM	32	Jul 3	9.5	Sep 22	0.00	Aug 19, 1983
MAXIMUM PEAK FLOW			15,100	May 31	44,800	Mar 2, 1997
MAXIMUM PEAK STAGE			22.21	May 31	31.54	Mar 2, 1997
INSTANTANEOUS LOW FLOW					0.08	Oct 1, 1994
ANNUAL RUNOFF (CFSM)	1.86		1.85		1.35	
ANNUAL RUNOFF (INCHES)	25.24		25.18		18.36	
10 PERCENT EXCEEDS	1,090		1,140		853	
50 PERCENT EXCEEDS	236		190		98	
90 PERCENT EXCEEDS	60		24		2.4	

e Estimated



03297800 CEDAR CREEK AT HIGHWAY 1442 NEAR SHEPHERDSVILLE, KY

LOCATION.--Lat 37°59'28", long 85°38'28", Bullitt County, Hydrologic Unit 05140102, on upstream side of bridge on Highway 1442, 1.1 mi upstream from Licksillet Creek, 1.4 mi upstream from the mouth, and 4.2 mi east of Shepherdsville, Ky.

DRAINAGE AREA.--12.1 mi².

PERIOD OF RECORD.--April 26, 2002 to current year.

REVISIONS.--Maximum gage heights for water years 2002 and 2003 have been revised to 11.95 and 10.31 because of adjustments to the gage datum.

GAGE.--Water-stage recorder with telemetry and crest-stage. Datum of gage is 410 ft above NGVD of 1929 from topographic map. Gage datum raised 1 ft. beginning in Oct. 1, 2003 based on 2004 level findings.

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

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer 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	1.7	1.5	15	19	e13.4	4.6	12	26	e168	0.74	20	0.35
2	1.5	1.6	11	160	62	7.2	9.1	147	e110	0.93	9.9	0.24
3	1.2	1.4	9.3	51	121	5.7	7.3	40	29	0.82	6.2	0.24
4	1.2	1.2	16	97	35	17	5.7	25	19	1.6	4.2	0.24
5	1.1	1.2	24	148	90	125	4.8	19	15	15	226	0.23
6	0.93	1.4	20	42	126	78	5.1	14	12	8.5	25	0.19
7	0.83	2.8	14	27	43	30	4.4	11	9.2	3.7	14	0.18
8	0.70	1.4	11	22	28	20	4.0	9.2	7.1	1.8	9.2	0.17
9	0.61	0.96	9.7	19	23	15	3.1	7.5	58	67	6.5	0.21
10	0.67	0.85	75	15	19	11	2.9	6.0	20	34	5.0	0.15
11	0.75	0.96	33	13	16	9.7	2.7	5.0	8.8	15	3.4	0.13
12	0.82	110	20	13	13	7.6	19	4.1	54	79	2.8	0.14
13	0.73	29	15	11	e11	6.5	149	4.0	27	37	2.2	0.12
14	6.5	12	16	9.5	e9.0	6.7	63	4.2	14	63	2.0	0.12
15	6.0	17	15	8.0	e7.8	5.7	26	21	9.3	19	1.5	0.39
16	1.5	13	47	6.7	e6.6	12	17	12	14	12	1.1	0.41
17	1.0	9.2	36	8.2	e6.2	9.3	13	6.5	17	12	0.83	0.43
18	0.90	99	25	55	e5.6	6.9	9.7	5.4	21	10	0.66	0.59
19	0.85	48	23	23	e5.4	5.2	7.9	21	8.2	4.8	0.58	0.50
20	0.71	21	17	e14.5	e5.0	23	7.1	19	4.7	3.5	0.63	0.31
21	0.71	14	14	e12	e4.7	24	54	6.9	3.6	2.6	1.5	0.22
22	0.69	9.7	13	e10	4.1	11	57	4.2	3.7	2.5	0.85	0.15
23	0.68	7.4	46	e9.1	4.1	9.1	159	2.9	3.3	6.9	0.52	0.12
24	0.73	37	47	e8.1	4.0	7.3	52	2.4	2.0	3.2	0.62	0.10
25	0.79	16	25	e8.0	3.2	6.0	80	3.3	4.4	1.9	0.62	0.08
26	13	11	18	e72	3.0	5.3	39	73	3.0	1.8	2.2	0.06
27	8.0	69	15	57	2.8	5.0	25	209	1.5	1.7	2.7	0.04
28	3.4	83	13	26	2.6	4.6	18	e640	1.1	1.2	1.1	0.04
29	2.9	35	32	e17.7	2.5	15	14	e164	0.95	0.90	0.61	0.02
30	2.1	22	60	e16	---	27	21	270	0.80	1.4	0.49	0.02
31	1.6	---	25	e14	---	14	---	e400	---	130	0.44	---
TOTAL	64.80	677.57	760.0	1,011.8	677.0	534.4	891.8	2,182.6	649.65	543.49	353.35	6.19
MEAN	2.09	22.6	24.5	32.6	23.3	17.2	29.7	70.4	21.7	17.5	11.4	0.21
MAX	13	110	75	160	126	125	159	640	168	130	226	0.59
MIN	0.61	0.85	9.3	6.7	2.5	4.6	2.7	2.4	0.80	0.74	0.44	0.02

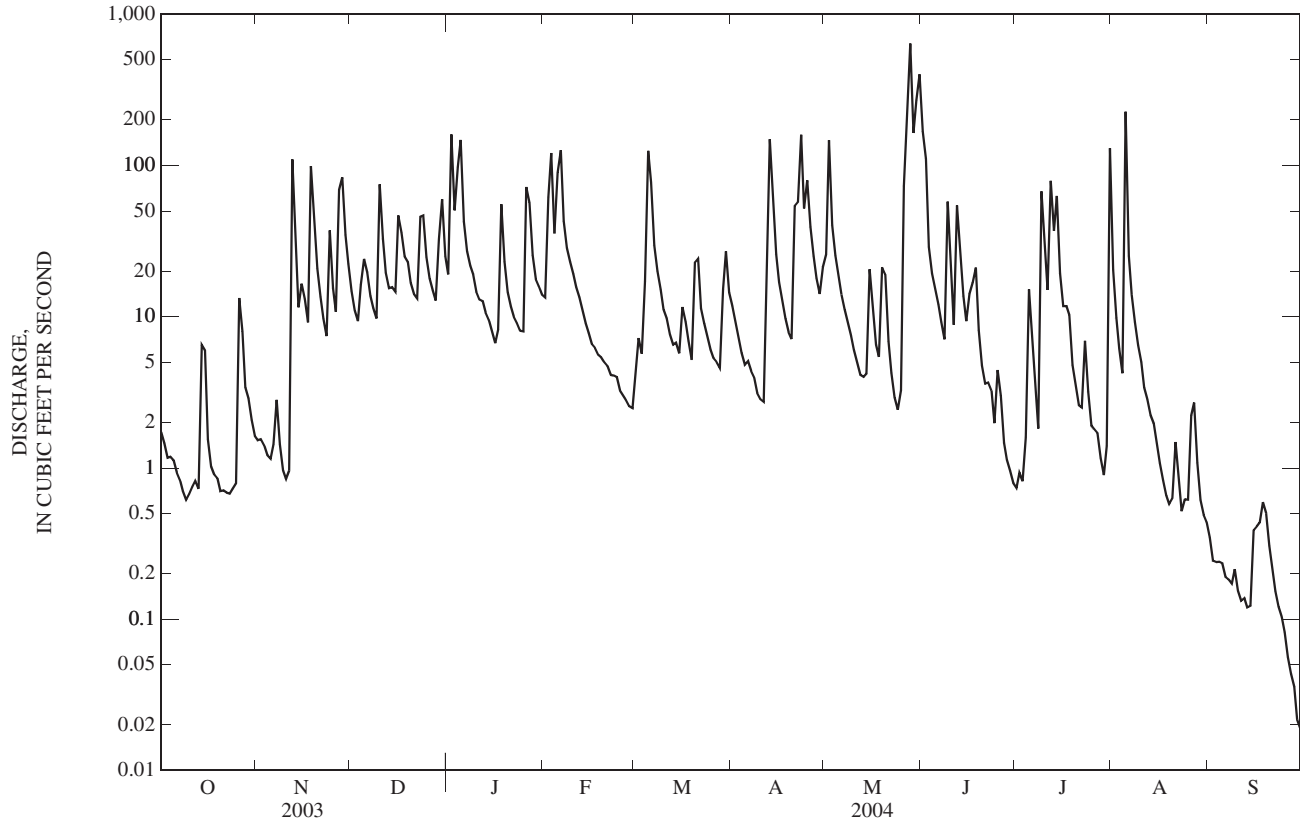
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	8.71	20.1	31.4	28.3	52.9	13.4	26.0	47.3	14.5	7.75	6.41	15.1
MAX	15.3	22.6	38.4	32.6	83.5	17.2	29.7	70.4	21.7	17.5	11.4	27.0
(WY)	(2003)	(2004)	(2003)	(2004)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)
MIN	2.09	17.6	24.5	23.9	23.3	9.54	22.2	28.9	1.02	0.13	0.01	0.21
(WY)	(2004)	(2003)	(2004)	(2003)	(2004)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2004)

03297800 CEDAR CREEK AT HIGHWAY 1442 NEAR SHEPHERDSVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	8,283.58		8,352.65		23.7	
ANNUAL MEAN	22.7		22.8		24.6	
HIGHEST ANNUAL MEAN					22.8	
LOWEST ANNUAL MEAN					2003	
HIGHEST DAILY MEAN	659	Feb 23	640	May 28	758	Apr 28, 2002
LOWEST DAILY MEAN	0.13	Aug 28	0.02	Sep 29	0.00	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.29	Jul 24	0.05	Sep 24	0.00	Aug 13, 2002
MAXIMUM PEAK FLOW			2,170	May 28	2,260	May 6, 2002
MAXIMUM PEAK STAGE			12.26	Jun 1	12.26	Jun 1, 2004
10 PERCENT EXCEEDS	47		57		54	
50 PERCENT EXCEEDS	7.7		8.1		7.6	
90 PERCENT EXCEEDS	0.79		0.62		0.73	

e Estimated



03297900 FLOYDS FORK NEAR PEWEE VALLEY, KY

LOCATION.--Lat 38°17'07", long 85°28'03", Oldham County, Hydrologic Unit 05140102, on left bank at downstream side of bridge on State Highway 362, 2.0 mi south of PeWee Valley, 2.2 mi downstream from Curry's Fork, and at mile 44.3.

DRAINAGE AREA.--79.9 mi².

PERIOD OF RECORD.--June 1991 to current year.

REVISED RECORDS.--WRD KY-95-1: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 599.892 ft above NGVD of 1929.

REMARKS.--Records fair except for discharges below 5.0 ft³/s and those estimated, which are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1800	5,210	16.77	May 31	0900	6,480	18.61
May 28	0900	*8,090	*20.52	Jul 17	1400	5,050	16.51

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	12	127	139	e80	26	78	e305	424	3.4	141	4.1
2	36	11	96	1,210	e339	61	61	e2,100	232	3.6	29	2.5
3	22	11	76	449	e1,690	49	50	e470	112	3.5	12	2.1
4	17	9.7	73	502	&229	e2,350	41	190	63	3.2	7.3	1.9
5	14	9.0	124	e1,460	e445	e742	34	122	41	3.1	516	1.7
6	11	9.2	153	e339	e1,400	e942	30	88	30	6.2	83	1.4
7	9.8	11	94	e174	&240	e306	28	64	23	10	20	1.3
8	9.5	11	79	e139	&186	136	26	48	19	5.4	9.8	1.3
9	9.3	8.8	68	e104	&143	102	21	37	17	23	6.2	1.3
10	9.0	7.9	449	&94	&117	78	19	28	19	366	4.5	1.2
11	9.2	7.3	500	e68	&111	65	18	40	12	561	3.5	1.2
12	8.9	2,060	185	73	&96	54	21	21	12	36	2.8	1.1
13	8.9	798	123	65	&92	45	e187	17	18	14	2.4	1.1
14	196	199	108	&54	&87	41	e458	15	12	944	2.1	1.1
15	e103	148	89	&50	&85	40	e152	82	9.9	147	2.0	1.1
16	e55	152	147	41	e70	61	112	112	9.3	32	1.8	1.1
17	e36	105	359	41	e50	98	76	48	8.1	2,420	1.7	1.1
18	e29	307	154	e516	e44	63	57	66	7.3	351	1.5	1.1
19	e22	1,110	189	e221	42	51	45	76	11	212	1.4	1.1
20	e17	262	136	e127	44	44	38	693	9.5	58	1.4	1.1
21	e13	138	114	&112	45	55	42	121	7.2	24	1.7	1.1
22	e11	98	110	&80	39	44	153	61	5.9	15	1.7	1.0
23	e9.3	74	391	&71	34	38	e576	34	4.9	10	1.4	1.0
24	e8.2	267	835	&66	33	37	e293	21	4.4	7.9	1.4	1.0
25	e7.2	160	252	&53	31	33	e540	40	4.1	5.9	1.4	1.0
26	e22	100	151	&58	26	30	e316	1,500	3.8	17	2.2	1.0
27	e47	373	116	e256	24	29	120	2,140	3.5	10	5.0	1.0
28	e27	1,000	95	&138	22	29	81	4,130	3.4	7.1	3.3	1.0
29	e24	403	100	e127	21	31	60	391	3.2	5.1	17	1.0
30	e18	193	774	e91	---	169	71	447	3.2	4.1	113	1.0
31	e14	---	227	e91	---	95	---	3,850	---	455	10	---
TOTAL	871.3	8,054.9	6,494	7,009	5,865	5,944	3,804	17,357	1,132.7	5,763.5	1,007.5	40.0
MEAN	28.1	268	209	226	202	192	127	560	37.8	186	32.5	1.33
MAX	196	2,060	835	1,460	1,690	2,350	576	4,130	424	2,420	516	4.1
MIN	7.2	7.3	68	41	21	26	18	15	3.2	3.1	1.4	1.0
CFSM	0.35	3.36	2.62	2.83	2.53	2.40	1.59	7.01	0.47	2.33	0.41	0.02
IN.	0.41	3.75	3.02	3.26	2.73	2.77	1.77	8.08	0.53	2.68	0.47	0.02

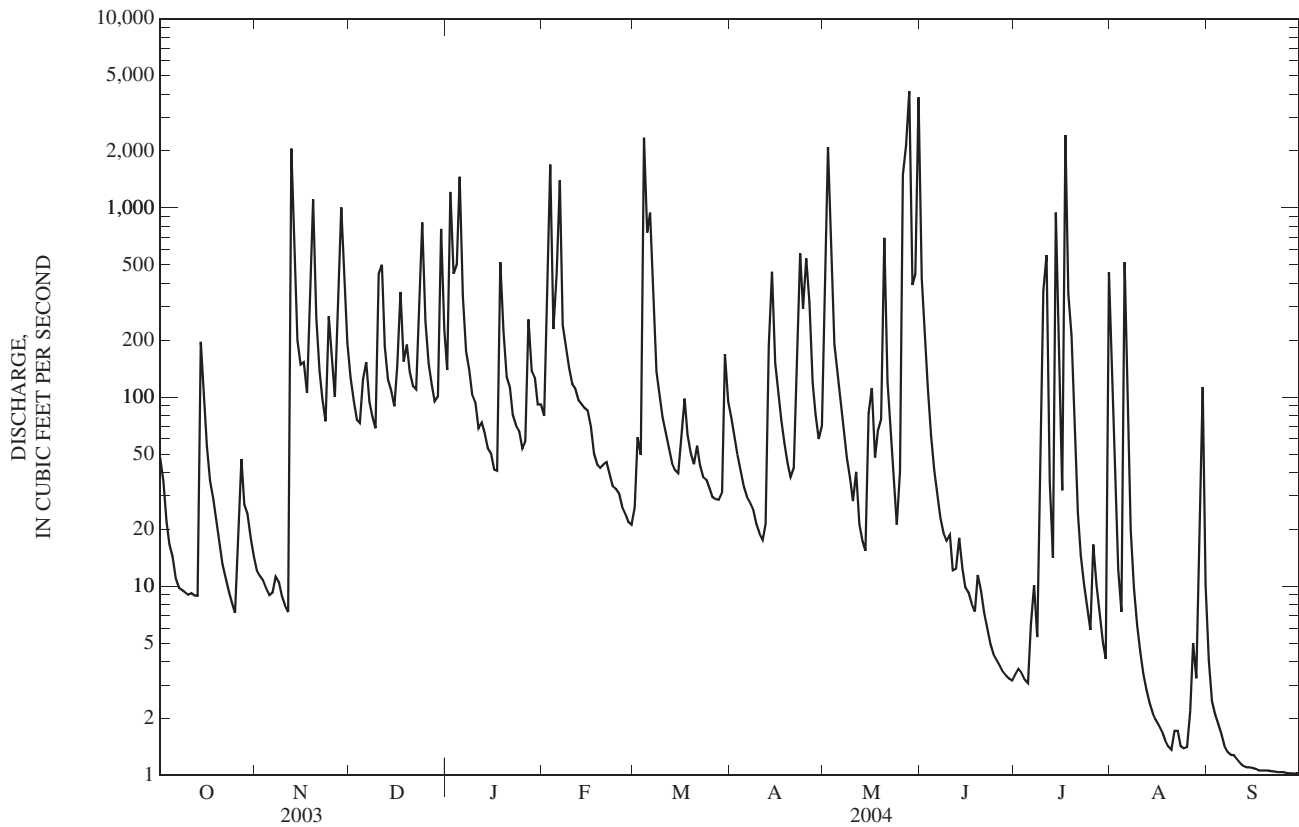
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

	MEAN	29.4	80.0	146	206	192	242	137	194	124	39.1	33.7	35.2
	MAX	132	268	331	320	448	958	306	560	381	186	149	215
	(WY)	(2003)	(2004)	(1997)	(1996)	(2000)	(1997)	(1996)	(2004)	(1997)	(2004)	(2003)	(2003)
	MIN	1.03	3.14	35.8	46.9	43.3	79.0	27.8	12.1	4.07	1.89	0.86	0.09
	(WY)	(2000)	(1992)	(1999)	(2001)	(1992)	(2001)	(2001)	(1999)	(1991)	(1991)	(1999)	(1999)

03297900 FLOYDS FORK NEAR PEWEE VALLEY, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	68,388.48		63,342.9		120	
ANNUAL MEAN	187		173		198	
HIGHEST ANNUAL MEAN					57.5	
LOWEST ANNUAL MEAN					10,500	
HIGHEST DAILY MEAN	2,890	Sep 2	4,130	May 28	18,800	Mar 2, 1997
LOWEST DAILY MEAN	0.86	Aug 21	1.0	Sep 22	0.00	Sep 2, 1999
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 16	1.0	Sep 22	0.01	Sep 23, 1999
MAXIMUM PEAK FLOW			8,090	May 28	28.60	Mar 2, 1997
MAXIMUM PEAK STAGE			20.52	May 28	1.51	
ANNUAL RUNOFF (CFSM)	2.35		2.17		20.47	
ANNUAL RUNOFF (INCHES)	31.84		29.49		234	
10 PERCENT EXCEEDS	497		409		31	
50 PERCENT EXCEEDS	63		43		2.1	
90 PERCENT EXCEEDS	7.4		1.9			

e Estimated



LOCATION.--Lat 38°11'18", long 85°27'37", Jefferson County, Hydrologic Unit 05140102, on left bank on downstream side of bridge on former State Highway 155, at Fisherville, 0.2 mi downstream from Brush Run, 1.4 mi upstream from Pope Lick, and at mile 32.7.

PERIOD OF RECORD.--August 1944 to current year. Monthly discharge only for August 1944, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1946. WSP 1909: 1945(P), 1948(P), 1960(M).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 542.60 ft above NGVD of 1929, from benchmark elevation supplied by Park Aerial Survey.

REMARKS.--Records fair except for discharges below 2.0 ft³/s and those estimated, which are poor. Diversions by local golf course for irrigation.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1937 reached a stage of 16.8 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 28	1205	*7,750	*11.38	Jul 17	0845	6,430	10.65
May 31	0450	7,170	11.09				

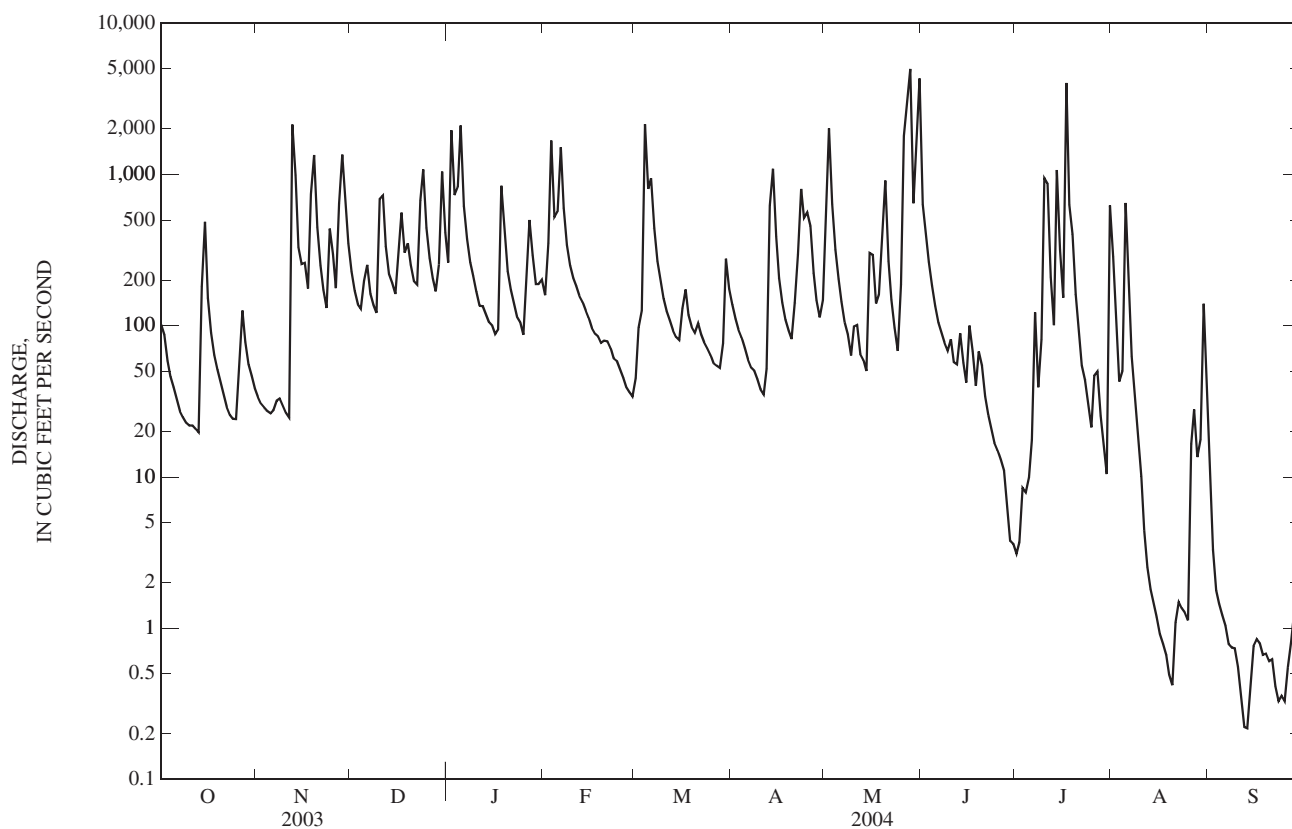
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	34	228	261	e159	45	138	523	634	3.1	285	13
2	87	31	169	1,960	350	97	111	2,020	407	3.7	90	3.3
3	59	29	138	732	1,670	126	95	634	264	8.5	43	1.8
4	46	27	130	827	523	2,140	83	320	184	7.9	50	1.4
5	39	26	198	2,100	569	800	71	204	135	10	646	1.2
6	33	28	253	621	1,510	942	60	144	104	18	176	1.0
7	27	32	162	376	601	444	53	105	91	122	62	0.79
8	25	33	138	262	342	266	51	87	77	39	32	0.75
9	23	29	122	214	250	195	44	64	69	81	17	0.74
10	22	27	689	168	206	152	38	99	81	948	10	0.56
11	22	25	727	136	183	124	35	101	57	872	4.5	0.34
12	21	2,130	335	135	157	108	52	65	56	e209	2.5	0.22
13	20	991	220	121	144	92	622	59	89	101	1.8	0.22
14	181	330	192	106	126	84	1,090	50	57	1,070	1.4	0.42
15	485	255	162	100	113	81	389	302	42	e316	1.2	0.77
16	153	261	279	88	97	130	207	293	100	153	0.91	0.85
17	90	177	559	94	89	174	142	140	68	4,030	0.79	0.80
18	64	742	305	e840	e85	118	109	161	40	630	0.66	0.67
19	51	1,340	351	460	e77	98	92	402	68	403	0.49	0.68
20	43	449	253	229	79	90	82	910	55	161	0.42	0.61
21	35	250	197	172	79	104	142	269	34	88	1.1	0.62
22	29	173	186	142	71	88	295	148	26	54	1.5	0.41
23	26	131	675	115	61	78	803	97	21	44	1.4	0.33
24	24	438	1,080	106	59	71	514	68	17	31	1.3	0.36
25	24	297	444	e87	52	64	558	187	e15	21	1.1	0.33
26	61	177	280	e195	45	57	455	1,800	e13	47	17	0.55
27	126	640	205	499	40	55	224	2,850	e11	50	28	0.81
28	78	1,350	169	e292	37	53	147	4,990	e7.0	25	14	1.3
29	56	635	254	e189	34	77	114	643	e3.8	15	18	2.0
30	47	351	1,040	e189	---	277	148	1,430	3.6	10	140	2.0
31	38	---	413	e201	---	175	---	4,310	---	623	46	---
TOTAL	2,137	11,438	10,553	12,017	7,808	7,405	6,964	23,475	2,829.4	10,194.2	1,695.07	38.83
MEAN	68.9	381	340	388	269	239	232	757	94.3	329	54.7	1.29
MAX	485	2,130	1,080	2,100	1,670	2,140	1,090	4,990	634	4,030	646	13
MIN	20	25	122	87	34	45	35	50	3.6	3.1	0.42	0.22
CFSM	0.50	2.76	2.47	2.81	1.95	1.73	1.68	5.49	0.68	2.38	0.40	0.01
IN.	0.58	3.08	2.84	3.24	2.10	2.00	1.88	6.33	0.76	2.75	0.46	0.01

MEAN	37.5	112	237	297	365	395	276	225	131	67.5	45.8	44.8
MAX	423	485	1,025	1,252	990	1,639	1,021	971	622	331	290	1,020
(WY)	(1978)	(1974)	(1991)	(1950)	(1956)	(1997)	(1970)	(1983)	(1997)	(1973)	(1979)	(1979)
MIN	0.00	0.00	0.00	3.54	12.4	40.3	34.0	12.2	0.90	1.73	0.05	0.00
(WY)	(1949)	(1954)	(1954)	(1977)	(1954)	(1954)	(1959)	(1965)	(1988)	(1954)	(1962)	(1948)

03298000 FLOYDS FORK AT FISHERVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	104,690		96,554.50		185	
ANNUAL MEAN	287		264		382	
HIGHEST ANNUAL MEAN					29.0	
LOWEST ANNUAL MEAN					20,000	
HIGHEST DAILY MEAN	3,680	Feb 22	4,990	May 28	42,100	Mar 2, 1997
LOWEST DAILY MEAN	10	Jul 6	0.22	Sep 12	0.00	Sep 7, 1945
ANNUAL SEVEN-DAY MINIMUM	11	Jul 2	0.46	Sep 20	0.00	Sep 7, 1945
MAXIMUM PEAK FLOW			7,750	May 28	17.39	Mar 2, 1997
MAXIMUM PEAK STAGE			11.38	May 28	0.00	Sep 7, 1945
INSTANTANEOUS LOW FLOW			0.20	Sep 12	1.34	
ANNUAL RUNOFF (CFSM)	2.08		1.91		18.24	
ANNUAL RUNOFF (INCHES)	28.22		26.03		383	
10 PERCENT EXCEEDS	717		636		37	
50 PERCENT EXCEEDS	126		97		0.53	
90 PERCENT EXCEEDS	22		1.5			

e Estimated



03298135 CHENOWETH RUN AT RUCKRIEGAL PARKWAY NEAR JEFFERSONTOWN, KY

LOCATION.--Lat 38°11'41", long 85°33'26", Jefferson County, Hydrologic Unit 05140102, on right downstream bank at bridge on Ruckriegal Parkway, 500 feet south of Penion Drive, near Jeffersontown.

DRAINAGE AREA.--5.47 mi².

PERIOD OF RECORD.--May 5, 1993 to February 26, 1998; January 19, 1999 to current year.

GAGE.--Water-stage recorder with telemetry.

REMARKS.--Records good except for estimated records which are poor.

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

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)
May 25	2200	*1,290	*6.35				
						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	e3.3	2.9	4.6	10	e2.7	8.7	4.5	21	17	0.77	4.4	2.6
2	2.4	2.9	3.7	107	e13	3.5	3.3	62	15	0.73	3.0	2.0
3	e2.2	3.2	3.1	16	e18	24	2.8	11	7.3	0.65	2.3	1.8
4	e2.0	4.9	5.8	65	e7.5	116	2.4	6.6	5.7	0.87	14	1.3
5	e1.9	48	9.0	44	e16	51	2.2	4.9	4.7	19	12	0.98
6	e1.8	12	4.7	12	e15	20	2.0	3.8	4.0	57	2.9	0.84
7	e1.6	5.9	3.5	7.6	e11	8.7	2.0	3.1	3.4	9.6	2.4	0.80
8	e1.5	4.3	3.0	5.9	e8.9	5.7	1.9	2.6	3.0	3.0	1.9	0.85
9	1.2	3.9	2.7	5.9	e7.2	4.6	1.6	2.3	23	18	1.5	0.77
10	38	51	47	4.6	e5.7	3.7	1.5	2.0	5.6	33	1.3	0.71
11	106	15	11	4.0	e5.0	3.2	1.5	2.0	3.4	8.4	0.99	0.66
12	9.9	6.7	5.6	3.8	e4.3	2.7	24	1.7	19	3.7	0.89	0.62
13	5.3	4.8	4.4	e3.3	e4.5	2.4	77	3.6	5.8	42	0.78	0.64
14	3.6	3.9	6.0	e3.1	e4.1	2.4	27	11	3.4	19	0.70	0.53
15	2.9	8.7	5.6	e3.1	e3.5	2.2	8.3	57	5.1	3.9	0.66	0.47
16	2.4	5.4	17	e3.1	e3.1	16	5.8	7.9	17	4.5	0.63	0.46
17	2.0	3.7	8.2	e6.5	e2.9	4.2	4.7	3.8	4.5	133	0.62	0.51
18	1.6	2.9	10	e13	e2.7	3.1	3.7	11	2.9	7.7	0.53	0.46
19	4.1	3.5	7.8	e7.5	e2.6	2.5	3.0	9.9	4.2	4.5	0.51	0.42
20	6.3	2.6	5.1	e5.2	2.6	5.0	2.7	5.3	2.3	3.4	4.8	0.38
21	2.1	e4.1	4.3	e3.6	2.3	3.3	23	2.6	2.0	2.7	3.4	0.42
22	1.8	3.5	3.9	e3.2	2.1	2.4	11	2.1	2.1	2.7	1.2	0.37
23	1.3	2.9	55	e3.1	2.1	2.2	44	2.0	1.4	3.2	0.79	0.37
24	1.3	32	17	e3.3	2.0	2.1	8.2	3.8	1.1	2.2	0.81	0.36
25	5.6	5.4	8.1	e3.5	1.7	1.8	36	93	0.93	1.6	0.92	0.37
26	2.3	3.8	5.6	e8.5	1.5	1.8	8.6	59	0.86	38	35	0.53
27	1.7	46	4.5	e9.5	1.5	1.8	5.2	149	0.78	3.6	4.2	0.59
28	12	46	3.9	e6.1	1.4	1.8	4.0	103	0.76	2.6	2.4	0.58
29	27	11	38	e4.6	1.4	19	3.2	13	0.72	2.2	23	0.57
30	7.2	6.4	21	e3.6	---	9.8	22	117	0.80	12	22	0.66
31	3.9	---	7.9	e3.5	---	6.2	---	110	---	27	3.8	---
TOTAL	266.2	357.3	337.0	383.1	156.3	341.8	347.1	887.0	167.75	470.52	154.33	22.62
MEAN	8.59	11.9	10.9	12.4	5.39	11.0	11.6	28.6	5.59	15.2	4.98	0.75
MAX	106	51	55	107	18	116	77	149	23	133	35	2.6
MIN	1.2	2.6	2.7	3.1	1.4	1.8	1.5	1.7	0.72	0.65	0.51	0.36

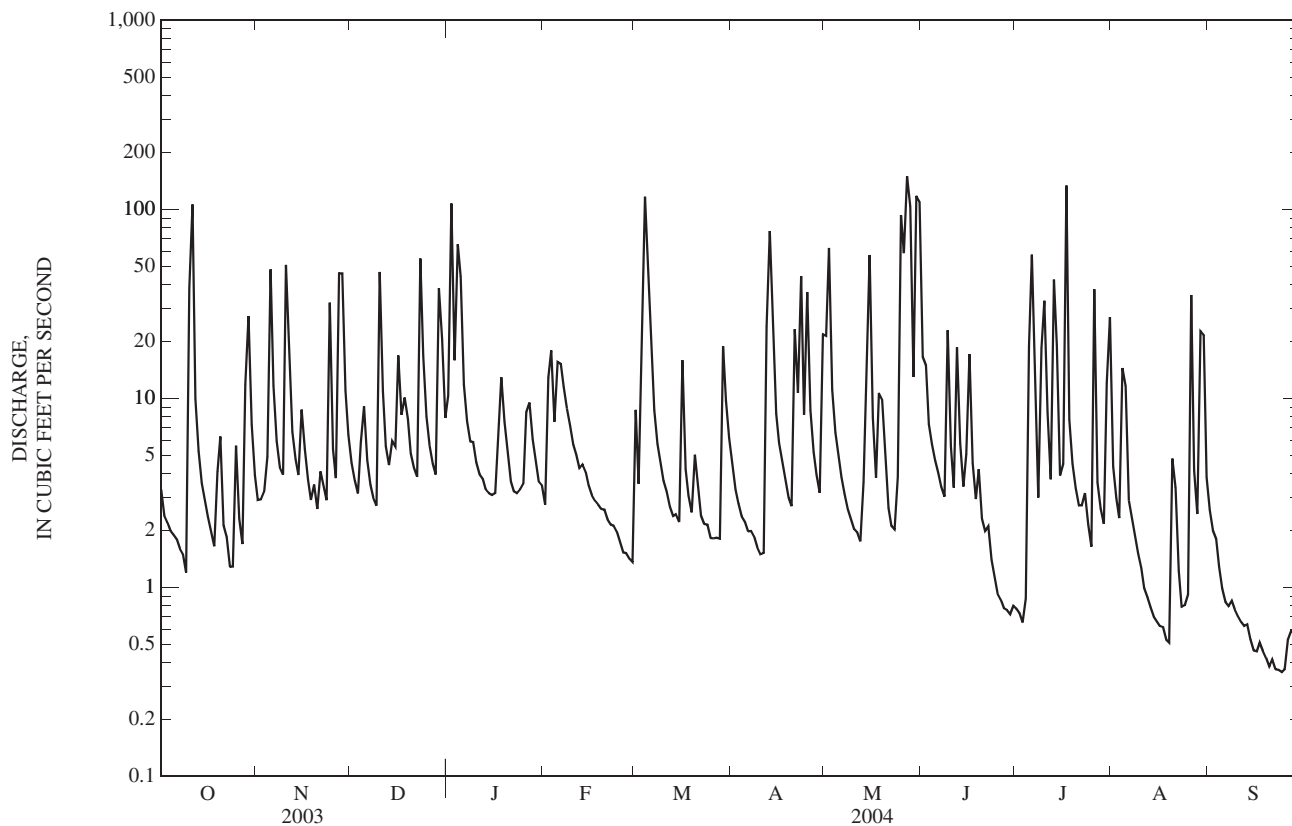
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	7.83	8.35	15.4	10.5	11.9	11.3	12.3	13.7	6.64	4.26	3.87	6.65
MEAN												
MAX	14.3	15.3	26.0	17.6	21.5	25.6	22.8	28.6	12.3	15.2	10.1	15.1
(WY)	(2002)	(2002)	(2002)	(2002)	(2000)	(2002)	(2002)	(2004)	(1999)	(2004)	(2003)	(2003)
MIN	2.36	1.80	8.57	2.94	5.39	4.56	2.45	3.40	1.44	0.80	0.47	0.31
(WY)	(2001)	(2000)	(2000)	(2001)	(2004)	(2001)	(2001)	(2000)	(2001)	(1999)	(1999)	(1999)

03298135 CHENOWETH RUN AT RUCKRIEGAL PARKWAY NEAR JEFFERSONTOWN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	4,104.24		3,891.02		9.69	
ANNUAL MEAN	11.2		10.6		14.5	
HIGHEST ANNUAL MEAN					4.37	
LOWEST ANNUAL MEAN					402	
HIGHEST DAILY MEAN	137	Sep 2	149	May 27	402	Feb 18, 2000
LOWEST DAILY MEAN	0.80	Aug 25	0.36	Sep 24	0.02	Jul 17, 2000
ANNUAL SEVEN-DAY MINIMUM	1.1	Jun 29	0.38	Sep 19	0.03	Jul 21, 2000
MAXIMUM PEAK FLOW			1,290	May 25	4,680	Mar 1, 1997
MAXIMUM PEAK STAGE					6.35	May 25, 2004
10 PERCENT EXCEEDS	29		24		20	
50 PERCENT EXCEEDS	4.3		3.7		2.8	
90 PERCENT EXCEEDS	1.3		0.80		0.51	

e Estimated



03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY

LOCATION.--Lat 38°09'36", long 85°32'32", Jefferson County, Hydrologic Unit 05140102, at bridge on Gelhaus Lane, 100 ft above Razor Branch, near Fern Creek, and at mile 2.3.

DRAINAGE AREA.--11.6 mi².

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

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

REMARKS.--Records good except for periods of estimated records which are poor. Diversions by a package treatment plant about 2.0 miles upstream.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 4	0145	*1,670	*8.93	May 25	2220	1,510	8.53

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	18	8.8	22	26	19	22	26	81	38	e2.1	11	6.4
2	10	8.7	18	219	87	17	20	218	47	e2.1	7.6	5.8
3	8.9	8.9	15	50	129	43	18	48	17	e2.0	6.4	5.5
4	9.1	9.2	20	138	43	352	16	24	12	e1.7	17	5.0
5	8.3	9.2	29	136	100	160	15	17	10	e23	22	4.6
6	8.2	11	21	45	97	106	14	13	8.8	e90	7.7	4.4
7	8.2	10	16	33	46	56	15	11	7.8	e10	6.3	4.6
8	7.9	9.0	15	27	34	39	14	9.6	7.0	6.9	5.6	4.6
9	7.9	8.4	14	25	30	32	13	8.2	41	25	5.4	4.6
10	9.1	8.5	87	21	26	26	13	8.3	16	29	5.3	4.3
11	8.7	8.7	39	19	23	23	13	8.2	8.6	15	5.0	4.1
12	8.7	136	26	18	21	19	52	7.5	e7.1	8.4	4.8	4.1
13	9.1	32	20	17	18	17	183	9.0	e7.0	6.8	4.7	4.0
14	63	18	23	15	17	16	107	11	e5.4	25	4.4	4.0
15	18	30	22	14	16	15	45	110	e7.3	10	4.2	3.9
16	11	20	43	13	14	46	34	23	e27	8.5	4.3	3.9
17	9.8	16	34	29	14	26	28	11	e10	192	4.4	4.1
18	9.1	143	33	80	13	19	23	49	7.3	19	4.2	3.9
19	8.6	55	32	34	13	16	20	34	7.1	11	4.3	3.7
20	8.4	29	24	24	13	20	20	17	4.7	8.2	8.0	3.7
21	8.8	21	20	20	12	19	62	9.3	4.1	6.8	7.8	3.8
22	8.5	17	19	18	12	15	51	6.9	4.0	6.2	5.1	3.7
23	8.4	14	112	15	11	14	154	5.7	3.9	6.8	4.7	3.4
24	8.2	64	55	15	11	14	56	12	3.5	5.7	4.9	3.6
25	8.1	25	33	16	11	13	121	159	3.5	5.0	5.3	3.6
26	36	18	26	53	11	13	56	144	3.2	40	41	3.7
27	14	96	21	62	10	13	39	284	2.7	7.6	9.8	3.8
28	11	105	18	33	10	13	31	233	3.3	6.3	6.4	3.8
29	11	41	72	27	10	48	26	32	3.4	5.6	29	3.9
30	9.5	29	64	23	---	44	68	269	e2.8	12	31	3.9
31	9.1	---	32	26	---	29	---	240	---	47	8.5	---
TOTAL	382.6	1,009.4	1,025	1,291	871	1,305	1,353	2,112.7	330.5	644.7	296.1	126.4
MEAN	12.3	33.6	33.1	41.6	30.0	42.1	45.1	68.2	11.0	20.8	9.55	4.21
MAX	63	143	112	219	129	352	183	284	47	192	41	6.4
MIN	7.9	8.4	14	13	10	13	13	5.7	2.7	1.7	4.2	3.4

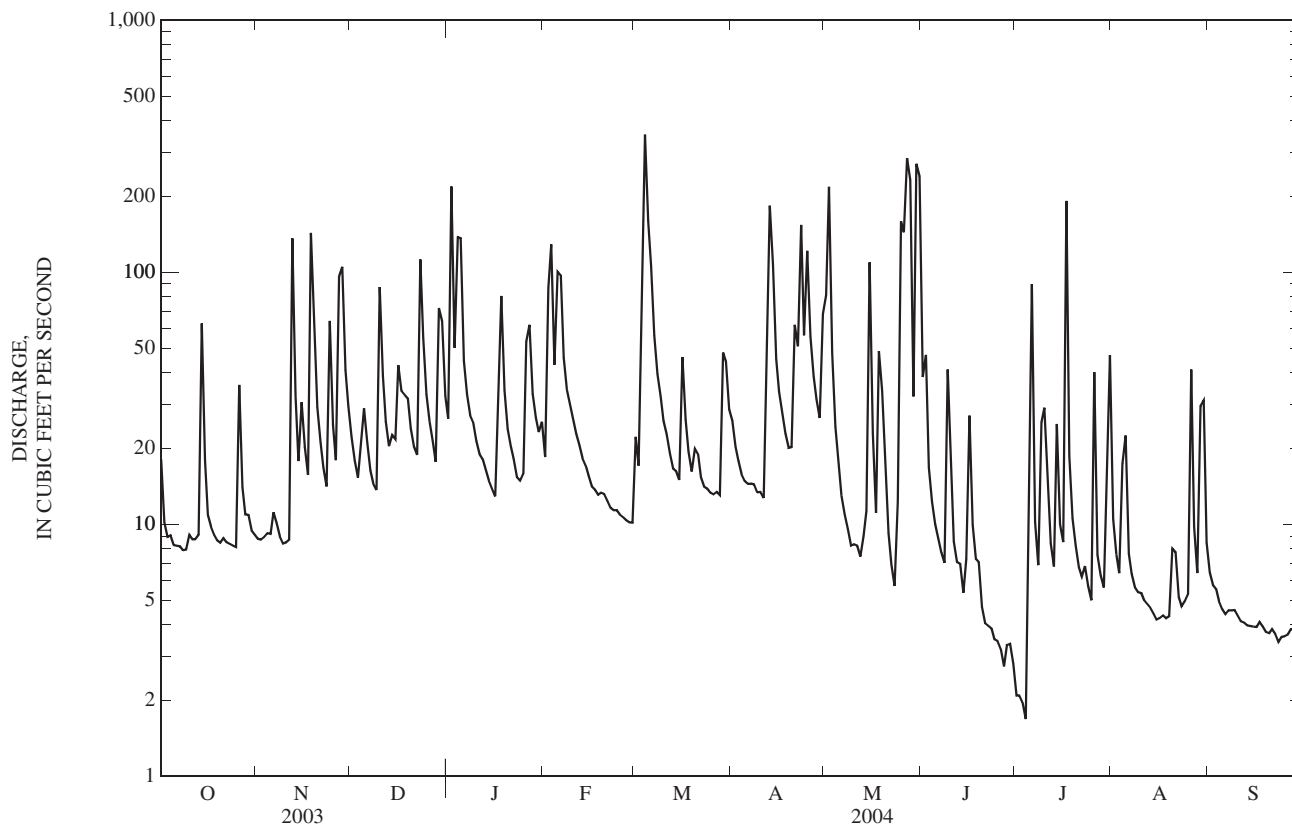
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	12.6	17.3	30.1	33.4	33.3	43.7	34.0	33.5	26.7	11.0	10.4	14.4
MEAN	12.6	17.3	30.1	33.4	33.3	43.7	34.0	33.5	26.7	11.0	10.4	14.4
MAX	26.3	33.6	47.5	54.1	54.3	119	57.7	68.2	73.4	20.8	20.7	30.2
(WY)	(2003)	(2004)	(2003)	(1999)	(2000)	(1997)	(2002)	(2004)	(1997)	(2004)	(2003)	(2003)
MIN	3.81	7.23	15.6	9.24	17.4	15.7	9.17	11.3	9.29	5.52	4.76	3.73
(WY)	(1998)	(2000)	(1999)	(2001)	(2002)	(2001)	(2001)	(1999)	(2001)	(2002)	(1999)	(1999)

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	10,219.2		10,747.4		25.0	
ANNUAL MEAN	28.0		29.4		32.3	
HIGHEST ANNUAL MEAN					13.7	
LOWEST ANNUAL MEAN					1,590	
HIGHEST DAILY MEAN	326	Jan 1	352	Mar 4	1,590	Mar 1, 1997
LOWEST DAILY MEAN	5.6	Jul 5	1.7	Jul 4	1.7	Jul 4, 2004
ANNUAL SEVEN-DAY MINIMUM	6.7	Jun 29	2.5	Jun 28	2.3	Mar 4, 2000
MAXIMUM PEAK FLOW			1,670	Mar 4	4,810	Mar 2, 1997
MAXIMUM PEAK STAGE					8.93	Mar 4, 2004
10 PERCENT EXCEEDS	64		63		49	
50 PERCENT EXCEEDS	13		15		10	
90 PERCENT EXCEEDS	7.6		4.3		4.3	

e Estimated



03298200 FLOYDS FORK AT BARDSTOWN ROAD NEAR MOUNT WASHINGTON, KY

LOCATION.--Lat 38°05'07", long 85°33'18", Jefferson County, Hydrologic Unit 05140102, on right downstream side of bridge on U.S. Highway 31E, 0.2 mi below Old Mans Run, 2.0 mi north of Mount Washington, and 18.7 miles above the mouth.

DRAINAGE AREA.--213 mi².

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

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 457.23 ft above NGVD of 1929.

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

COOPERATION.--Louisville and Jefferson County Metropolitan Sewer 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	120	67	340	376	327	109	247	599	1,020	24	512	63
2	105	64	265	3,310	487	167	208	3,790	1,120	23	191	47
3	82	61	224	1,060	2,730	240	177	1,000	412	22	113	40
4	68	60	215	941	731	4,030	154	500	296	24	87	36
5	60	59	283	3,950	749	1,470	136	358	235	29	632	33
6	54	59	342	813	2,470	1,610	126	274	193	115	282	30
7	49	63	255	499	815	622	119	216	162	204	122	28
8	45	61	218	385	488	417	114	175	140	75	82	26
9	42	60	196	e305	391	324	107	147	597	126	66	25
10	41	57	874	e256	338	264	97	370	195	420	56	24
11	40	55	1,060	e225	e294	224	93	292	103	1,440	49	23
12	39	2,270	446	e212	e259	196	134	165	195	225	44	21
13	35	2,300	325	e194	e235	170	1,000	126	147	116	39	20
14	148	423	e258	e181	e215	159	1,750	117	104	1,260	36	18
15	539	351	e221	e167	e195	152	559	463	79	415	33	18
16	203	350	399	157	e177	228	347	451	255	156	31	19
17	126	265	678	158	e163	276	258	259	199	5,970	29	18
18	98	1,240	415	1,070	e153	211	208	249	94	1,040	27	17
19	85	2,220	445	646	e145	176	175	438	89	447	28	17
20	76	567	360	e333	e139	161	158	1,160	92	246	25	17
21	69	359	297	e244	e132	184	287	350	64	146	36	18
22	62	269	278	e202	e127	161	516	221	54	115	31	19
23	57	216	823	e177	125	147	1,540	158	46	95	31	20
24	55	543	1,750	e152	119	138	941	127	38	77	30	20
25	54	440	567	e144	e114	129	771	205	102	63	38	11
26	100	276	394	e276	e109	120	712	2,960	50	94	81	12
27	146	904	313	727	e104	117	389	5,530	35	91	89	13
28	127	2,150	266	457	98	115	283	8,730	31	68	60	11
29	96	892	355	e290	95	158	227	922	28	56	49	10
30	82	471	1,510	e219	---	412	335	2,170	25	89	182	9.2
31	72	---	540	373	---	307	---	7,840	---	2,640	121	---
TOTAL	2,975	17,172	14,912	18,499	12,524	13,194	12,168	40,362	6,200	15,911	3,232	683.2
MEAN	96.0	572	481	597	432	426	406	1,302	207	513	104	22.8
MAX	539	2,300	1,750	3,950	2,730	4,030	1,750	8,730	1,120	5,970	632	63
MIN	35	55	196	144	95	109	93	117	25	22	25	9.2

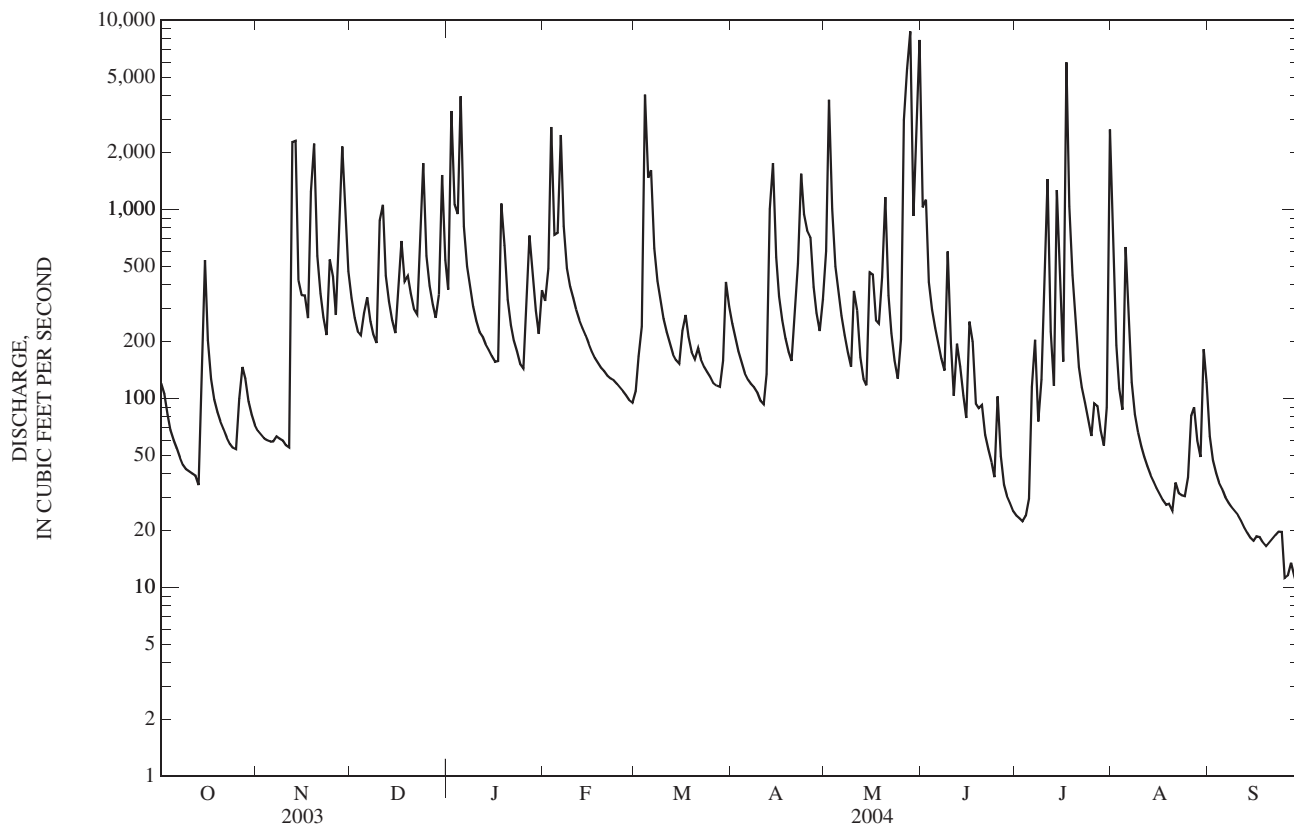
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	227	369	560	415	509	494	464	767	256	176	117	234
MAX	367	572	800	597	900	1,018	676	1,302	349	513	331	579
(WY)	(2003)	(2004)	(2003)	(2004)	(2003)	(2002)	(2002)	(2004)	(2002)	(2004)	(2003)	(2003)
MIN	96.0	94.1	402	122	186	263	116	166	137	34.8	10.7	11.0
(WY)	(2004)	(2001)	(2001)	(2001)	(2002)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2001)

03298200 FLOYDS FORK AT BARDSTOWN ROAD NEAR MOUNT WASHINGTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	167,786		157,832.2		450	
ANNUAL MEAN	460		431		493	2003
HIGHEST ANNUAL MEAN					425	2002
LOWEST ANNUAL MEAN					8,730	May 28, 2004
HIGHEST DAILY MEAN	7,420	Sep 2	8,730	May 28	8,730	May 28, 2004
LOWEST DAILY MEAN	20	Jul 6	9.2	Sep 30	3.0	Sep 30, 2001
ANNUAL SEVEN-DAY MINIMUM	24	Jul 2	12	Sep 24	4.1	Sep 13, 2001
MAXIMUM PEAK FLOW			9,750	May 31	13,900	Jan 24, 2002
MAXIMUM PEAK STAGE			16.89	May 31	19.65	Jan 24, 2002
10 PERCENT EXCEEDS	1,090		941		950	
50 PERCENT EXCEEDS	197		172		152	
90 PERCENT EXCEEDS	45		30		23	

e Estimated



03298300 PENNSYLVANIA RUN AT MOUNT WASHINGTON ROAD NEAR LOUISVILLE, KY

LOCATION.--Lat 38°05'15", long 85°38'33", Jefferson County, Hydrologic Unit 05140102, at bridge on Mt. Washington Road, near Louisville, Ky. and at mile 1.9.

DRAINAGE AREA.--6.4 mi².

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

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 430.38 ft above NGVD of 1929.

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

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

PEAKS ABOVE BASE.--Peak discharges above base of 400 ft³/s and maximum*.

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)
May 27	0110	421	4.38	May 28	0115	*650	*5.15

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	e3.0	2.1	9.4	11	5.6	3.6	5.7	19	41	0.54	15	0.78
2	e2.3	2.0	6.8	69	21	4.4	4.5	67	76	0.55	5.5	0.60
3	e1.9	1.9	5.5	29	62	12	3.4	28	23	0.56	3.2	0.46
4	e1.4	1.6	5.9	48	22	117	2.9	17	14	0.63	2.1	0.38
5	e1.1	1.6	7.9	84	34	52	2.5	12	11	2.3	49	0.34
6	e0.89	2.0	7.4	26	52	49	2.4	8.4	8.2	2.2	6.8	0.36
7	e0.76	2.1	5.5	18	24	22	2.4	8.5	6.8	2.5	3.1	0.34
8	e0.66	1.7	4.7	14	16	16	2.2	5.1	5.9	1.5	2.0	0.38
9	0.66	1.6	4.2	12	13	12	1.9	3.9	26	2.3	1.5	0.63
10	0.83	1.4	29	9.3	11	8.9	1.6	3.3	27	1.8	1.2	0.58
11	0.96	1.7	19	8.0	9.0	7.6	1.6	2.9	8.2	1.2	0.89	0.56
12	0.86	82	11	7.3	7.6	6.2	5.3	2.4	26	3.6	0.75	0.58
13	0.64	27	8.1	6.2	6.4	5.1	51	2.2	21	5.3	0.62	0.63
14	13	9.3	8.1	5.2	5.8	4.9	41	2.2	9.9	25	0.50	0.59
15	7.2	8.3	6.9	4.4	5.2	4.7	17	23	5.5	5.3	0.47	0.51
16	2.5	6.8	13	3.8	4.2	9.8	10	13	12	2.3	0.47	0.63
17	1.9	4.7	16	5.1	3.9	7.3	7.3	5.5	13	12	0.47	0.88
18	1.6	48	11	24	3.6	5.6	5.2	e4.2	6.1	4.4	0.50	0.72
19	1.4	34	10	14	3.6	4.4	4.6	e15	7.1	2.2	0.53	0.64
20	1.3	13	7.4	8.5	3.7	4.6	4.1	9.0	3.9	1.5	0.81	0.67
21	1.6	7.5	6.0	6.9	3.3	5.0	13	4.3	2.5	0.95	2.0	0.61
22	1.6	5.4	5.5	5.9	2.9	3.8	18	2.7	1.9	0.91	1.2	0.55
23	1.2	4.2	34	4.7	2.8	3.4	73	1.9	1.5	2.6	0.87	0.50
24	0.84	21	34	4.5	2.9	3.4	28	1.5	1.2	2.3	1.8	0.45
25	0.74	10	16	5.6	2.5	3.2	34	7.1	1.4	1.1	8.5	0.39
26	6.7	6.9	11	17	2.3	3.0	21	63	1.4	2.4	24	0.41
27	4.3	35	8.3	31	2.2	3.3	13	158	1.1	1.7	11	0.39
28	2.5	50	7.0	16	2.1	3.0	8.8	168	0.89	1.2	3.5	0.38
29	2.3	23	18	11	2.1	6.9	6.6	26	0.71	0.78	2.1	0.33
30	1.9	15	33	9.0	---	11	20	80	0.62	2.2	1.7	0.32
31	1.9	---	16	6.8	---	6.8	---	105	---	68	1.1	---
TOTAL	70.44	430.8	385.6	525.2	336.7	409.9	412.0	869.1	364.82	161.82	153.18	15.59
MEAN	2.27	14.4	12.4	16.9	11.6	13.2	13.7	28.0	12.2	5.22	4.94	0.52
MAX	13	82	34	84	62	117	73	168	76	68	49	0.88
MIN	0.64	1.4	4.2	3.8	2.1	3.0	1.6	1.5	0.62	0.54	0.47	0.32

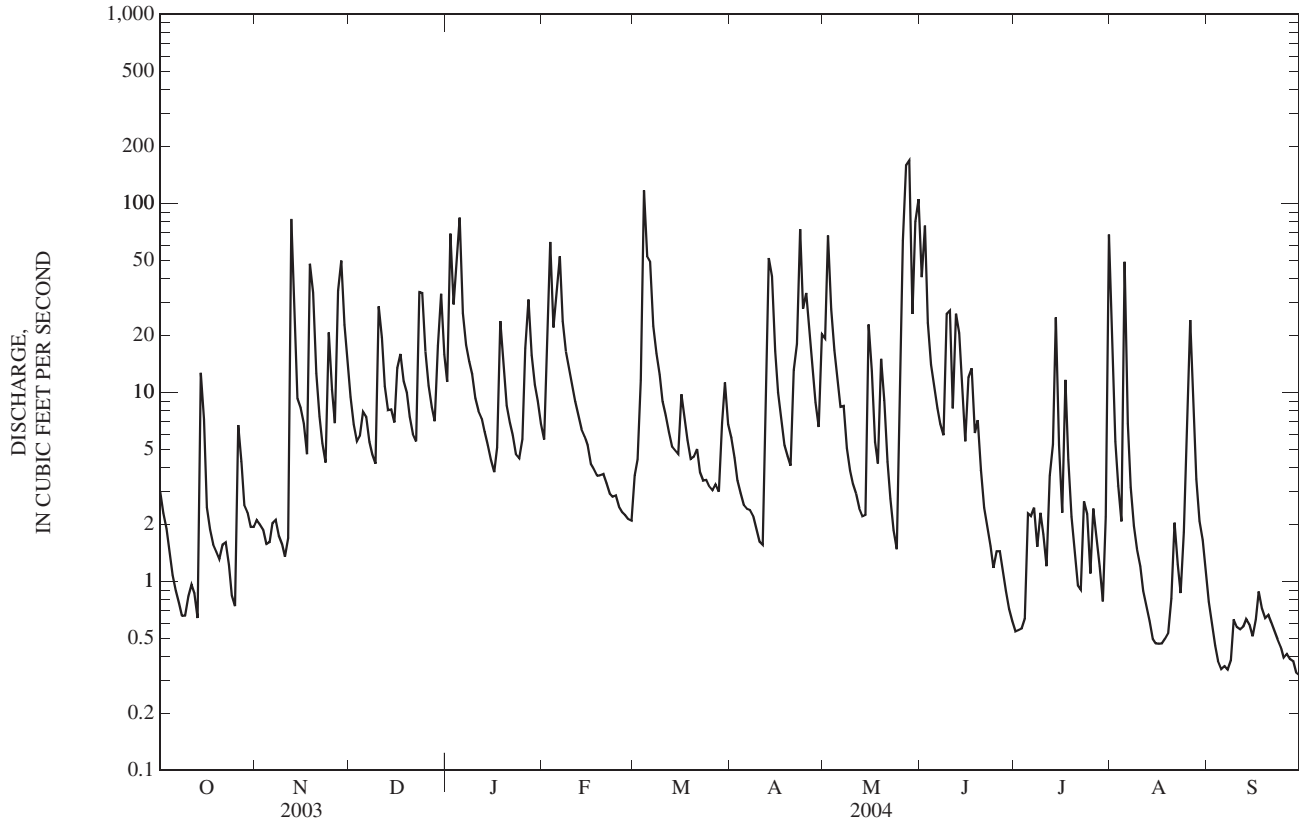
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	3.63	6.63	11.4	13.7	14.6	13.4	14.3	15.1	6.48	1.81	2.64	4.06
MEAN	3.63	6.63	11.4	13.7	14.6	13.4	14.3	15.1	6.48	1.81	2.64	4.06
MAX	9.05	14.4	21.1	21.5	24.7	30.6	35.9	28.9	14.9	5.22	8.60	14.1
(WY)	(2002)	(2004)	(2003)	(1999)	(2000)	(2002)	(2002)	(2002)	(1999)	(2004)	(2003)	(2003)
MIN	0.66	0.45	4.34	2.85	6.92	5.80	1.58	0.94	0.92	0.30	0.34	0.52
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(2001)	(2000)	(2001)	(2002)	(1999)	(2004)

03298300 PENNSYLVANIA RUN AT MOUNT WASHINGTON ROAD NEAR LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	3,970.76		4,135.15		8.94	
ANNUAL MEAN	10.9		11.3		13.7	
HIGHEST ANNUAL MEAN					3.69	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	147	Jan 1	168	May 28	353	Feb 18, 2000
LOWEST DAILY MEAN	0.45	Jul 15	0.32	Sep 30	0.17	Jul 31, 2002
ANNUAL SEVEN-DAY MINIMUM	0.67	Jun 29	0.38	Sep 24	0.22	Jun 20, 2002
MAXIMUM PEAK FLOW			650	May 28	1,540	Jun 28, 1999
MAXIMUM PEAK STAGE			5.15	May 28	8.22	Jun 28, 1999
10 PERCENT EXCEEDS	29		27		20	
50 PERCENT EXCEEDS	4.1		4.6		2.4	
90 PERCENT EXCEEDS	0.93		0.63		0.45	

e Estimated



03298500 SALT RIVER AT SHEPHERDSVILLE, KY

LOCATION.--Lat 37°59'06", long 85°43'03", Bullitt County, Hydrologic Unit 05140102, on downstream side of bridge on State Highway 61 at Shepherdsville, 500 ft downstream from Louisville and Nashville Railroad bridge, 2.6 mi downstream from Floyds Fork, and at mile 22.9.

DRAINAGE AREA.--1,197 mi².

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 893: 1937(M). WSP 1435: 1955: WSP 1705: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 406.58 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to Oct. 16, 1969. Auxillary gage is a water-stage recorder with telemetry, located at mouth of Floyds Fork 2.6 mi upstream.

REMARKS.--Records fair. Flow regulated since January 1983 by Taylorsville Lake (station 03295597). Diversions for water supply by Sheperdsville and other municipalities.

COOPERATION.--U.S. Army Corps of Engineers, Louisville District and Kentucky Natural Resources and Environmental Protection Cabinet.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 26, 1937, reached a stage of 47.3 ft, from floodmark (backwater from Ohio River).

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	572	480	2,770	2,860	1,610	529	1,740	1,850	e14,700	261	3,990	281
2	445	431	3,500	7,790	2,100	688	1,640	7,430	e9,600	245	1,450	211
3	392	403	3,260	7,330	7,530	752	1,150	6,180	e5,100	240	1,940	175
4	340	317	3,140	4,260	5,570	5,080	965	4,490	4,340	217	2,140	163
5	300	238	3,060	10,900	4,730	5,960	877	4,010	3,950	527	5,180	155
6	279	236	2,640	5,690	8,620	9,690	817	2,210	3,110	825	4,210	145
7	266	246	2,300	3,090	5,670	5,110	782	1,450	2,910	1,160	2,630	135
8	252	240	1,840	2,810	3,740	4,040	760	1,160	2,770	937	1,620	130
9	234	233	1,680	2,410	3,230	3,650	728	986	3,180	593	628	121
10	198	223	3,020	2,380	2,700	3,090	649	863	3,920	1,300	409	117
11	170	216	5,160	2,780	2,420	3,170	568	1,220	2,730	2,840	338	111
12	189	1,790	3,720	3,710	2,740	3,310	627	888	3,240	2,250	287	111
13	188	8,170	3,560	3,940	3,490	2,410	2,920	770	3,220	1,490	249	167
14	236	3,940	3,350	3,450	2,580	2,170	6,050	717	2,010	2,570	214	107
15	788	4,070	3,070	3,310	1,760	1,590	4,570	1,260	1,540	3,100	180	97
16	736	3,850	2,600	3,220	1,220	1,180	3,870	2,060	2,630	2,070	161	90
17	565	3,790	3,650	3,100	1,040	1,270	2,700	1,760	3,380	6,390	144	97
18	424	3,910	4,000	4,070	976	1,170	1,380	2,640	4,570	7,320	132	118
19	355	7,670	3,900	4,720	939	945	1,100	3,140	2,930	2,460	124	114
20	320	4,520	3,560	3,530	915	905	1,530	4,050	2,670	2,890	137	1,210
21	282	3,700	3,230	3,050	887	1,400	1,690	2,470	2,530	2,760	139	e681
22	234	3,520	3,000	2,230	839	1,050	2,880	1,610	2,400	2,560	148	e1,200
23	210	2,960	2,140	1,620	796	908	5,990	889	2,310	2,740	139	e1,500
24	198	3,420	5,530	1,120	1,150	834	5,790	664	2,240	2,430	142	e771
25	190	3,210	3,550	e990	886	862	4,760	613	1,780	2,240	201	e1,340
26	293	2,740	3,480	e1,610	634	843	5,280	4,360	1,430	1,320	287	112
27	608	2,860	3,070	3,550	557	803	4,370	e9,400	932	613	417	83
28	601	6,820	2,800	3,290	525	777	3,770	e9,900	790	370	342	79
29	553	5,730	2,570	2,970	521	809	2,660	e10,100	394	273	286	77
30	530	3,730	4,180	2,170	---	1,640	1,740	e6,800	282	287	300	77
31	524	---	3,600	1,600	---	1,610	---	e15,900	---	3,900	418	---
TOTAL	11,472	83,663	100,930	109,550	70,375	68,245	74,353	111,840	97,588	59,178	28,982	9,775
MEAN	370	2,789	3,256	3,534	2,427	2,201	2,478	3,608	3,253	1,909	935	326
MAX	788	8,170	5,530	10,900	8,620	9,690	6,050	15,900	14,700	7,320	5,180	1,500
MIN	170	216	1,680	990	521	529	568	613	282	217	124	77

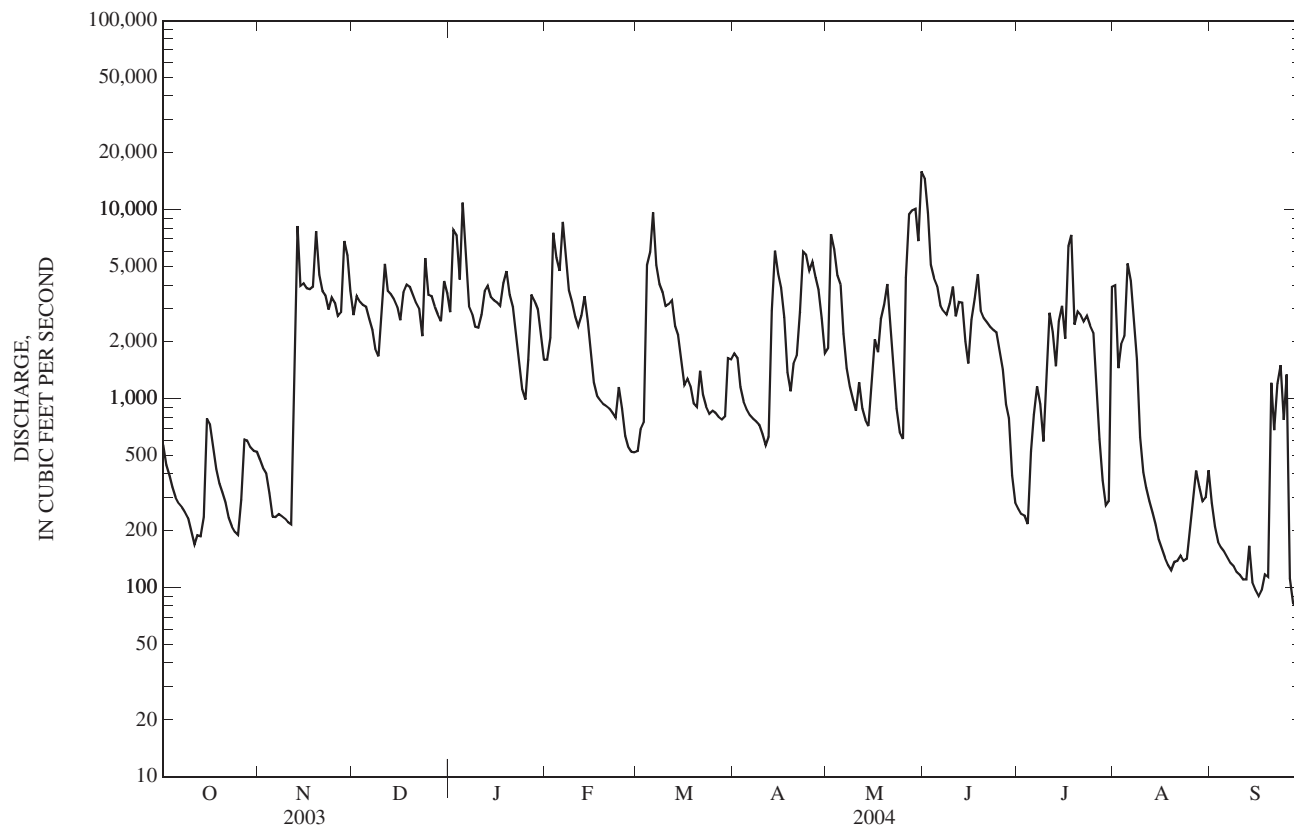
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	328	1,063	2,095	2,538	3,619	3,218	2,119	2,078	1,524	572	317	351
MAX	1,698	2,789	6,329	5,728	12,370	11,410	3,683	5,768	5,192	1,976	1,052	2,949
(WY)	(2003)	(2004)	(1991)	(1991)	(1989)	(1997)	(2002)	(1995)	(1997)	(1998)	(2003)	(2003)
MIN	25.9	48.1	258	335	996	1,113	377	201	38.9	63.6	29.9	30.6
(WY)	(1989)	(2000)	(1990)	(1986)	(1992)	(1990)	(1986)	(2000)	(1988)	(1994)	(2002)	(1999)

03298500 SALT RIVER AT SHEPHERDSVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	828,794		825,951		1,642	
ANNUAL MEAN	2,271		2,257		772	
HIGHEST ANNUAL MEAN					2,809	
LOWEST ANNUAL MEAN					772	
HIGHEST DAILY MEAN	17,200	Jan 1	15,900	May 31	65,600	Mar 2, 1997
LOWEST DAILY MEAN	130	Aug 21	77	Sep 29	7.7	Jul 1, 1988
ANNUAL SEVEN-DAY MINIMUM	179	Aug 16	111	Sep 11	9.3	Jun 26, 1988
MAXIMUM PEAK FLOW			18,500	May 31	78,200	Mar 10, 1964
MAXIMUM PEAK STAGE			25.23	Jun 1	41.50	Mar 11, 1964
INSTANTANEOUS LOW FLOW			73	Sep 29	73	Sep 29, 2004
10 PERCENT EXCEEDS	4,900		4,740		4,110	
50 PERCENT EXCEEDS	1,470		1,620		548	
90 PERCENT EXCEEDS	234		196		47	

e Estimated



03298550 LONG LICK AT CLERMONT, KY

LOCATION.--Lat 37°55'40", long 85°39'13", Bullitt County, Hydrologic Unit 05140102, downstream side of bridge at Jim Beam Distillery, at Clermont, and 10.8 mi upstream from mouth.

DRAINAGE AREA.-- 7.91 mi².

PERIOD OF RECORD.--April 1, 1992 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 450 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records fair except for those estimated, which are poor. Slight regulation from Jim Beam Distillery.

COOPERATION.--Bullitt County.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 17	2130	*871	*6.22				
						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	0.51	e2.2	5.3	9.4	6.4	2.3	12	16	24	1.1	7.1	1.6
2	0.77	e2.3	5.1	110	35	2.5	8.7	112	14	1.2	2.6	2.0
3	1.0	e2.1	4.5	33	85	2.6	7.5	23	9.5	1.4	1.4	2.1
4	1.1	e1.8	8.5	41	21	15	7.7	12	8.2	2.4	1.1	0.97
5	0.87	e1.7	18	85	60	104	3.3	8.4	7.0	3.0	e32	0.88
6	0.57	e2.0	11	22	92	64	3.1	5.7	7.3	3.2	e4.9	0.84
7	0.47	3.9	8.4	13	25	22	3.4	3.9	3.1	3.1	e1.8	1.6
8	0.73	e2.6	5.5	11	17	14	3.3	3.3	2.5	2.6	e1.0	1.9
9	0.73	e1.5	3.3	9.4	11	10	3.1	4.2	2.3	6.3	e0.69	1.7
10	1.1	e1.2	55	7.3	9.1	8.2	3.2	1.4	3.0	5.9	0.64	1.3
11	0.97	1.1	23	6.9	7.6	7.3	4.7	2.0	2.4	0.53	0.49	0.56
12	1.1	24	9.7	5.5	6.4	5.7	28	1.2	4.1	10	0.35	0.83
13	1.7	8.5	7.0	6.1	6.3	3.4	141	1.6	5.2	5.0	0.28	0.38
14	6.1	0.76	8.0	4.9	4.6	1.7	58	1.8	1.9	14	0.18	0.37
15	6.1	0.52	6.1	4.5	6.1	3.7	21	10	2.0	4.0	0.18	0.41
16	3.6	1.5	38	4.3	4.5	7.8	13	6.6	10	1.7	0.20	0.50
17	e1.6	0.86	26	4.2	3.6	4.9	9.6	2.1	e53	0.98	0.52	1.5
18	e1.3	55	14	42	1.4	4.7	9.3	1.2	e15	0.79	1.0	1.7
19	e1.2	33	11	17	1.3	3.8	5.9	39	e7.2	0.91	0.88	1.2
20	e1.1	10	8.9	8.7	1.8	9.3	5.6	23	e2.6	0.40	0.98	1.4
21	e0.94	5.5	7.0	6.7	2.5	21	44	4.8	e2.2	0.53	1.1	1.6
22	e0.92	4.3	5.0	6.2	2.4	8.6	53	1.9	e2.0	11	1.2	1.5
23	e0.88	5.2	23	5.8	1.4	4.9	111	2.4	e1.5	11	1.3	1.7
24	e0.90	31	33	5.3	1.5	4.8	32	0.80	e0.62	1.9	1.8	1.9
25	5.4	11	15	5.7	1.3	4.2	45	1.1	2.1	0.84	2.3	1.6
26	14	5.4	9.1	42	1.8	3.8	22	32	1.3	0.55	4.2	1.5
27	10	52	7.1	37	2.0	3.8	12	119	1.1	0.49	3.8	1.3
28	8.5	69	6.3	15	1.9	5.1	8.6	112	1.0	0.35	2.4	1.0
29	3.9	21	12	10	1.9	14	6.9	20	1.0	0.49	1.9	1.5
30	e3.0	12	44	8.3	---	31	8.0	93	0.95	1.6	1.8	1.5
31	e2.6	---	15	6.6	---	14	---	173	---	45	2.3	---
TOTAL	83.66	372.94	452.8	593.8	421.8	412.1	693.9	838.40	198.07	142.26	82.39	38.84
MEAN	2.70	12.4	14.6	19.2	14.5	13.3	23.1	27.0	6.60	4.59	2.66	1.29
MAX	14	69	55	110	92	104	141	173	53	45	32	2.1
MIN	0.47	0.52	3.3	4.2	1.3	1.7	3.1	0.80	0.62	0.35	0.18	0.37

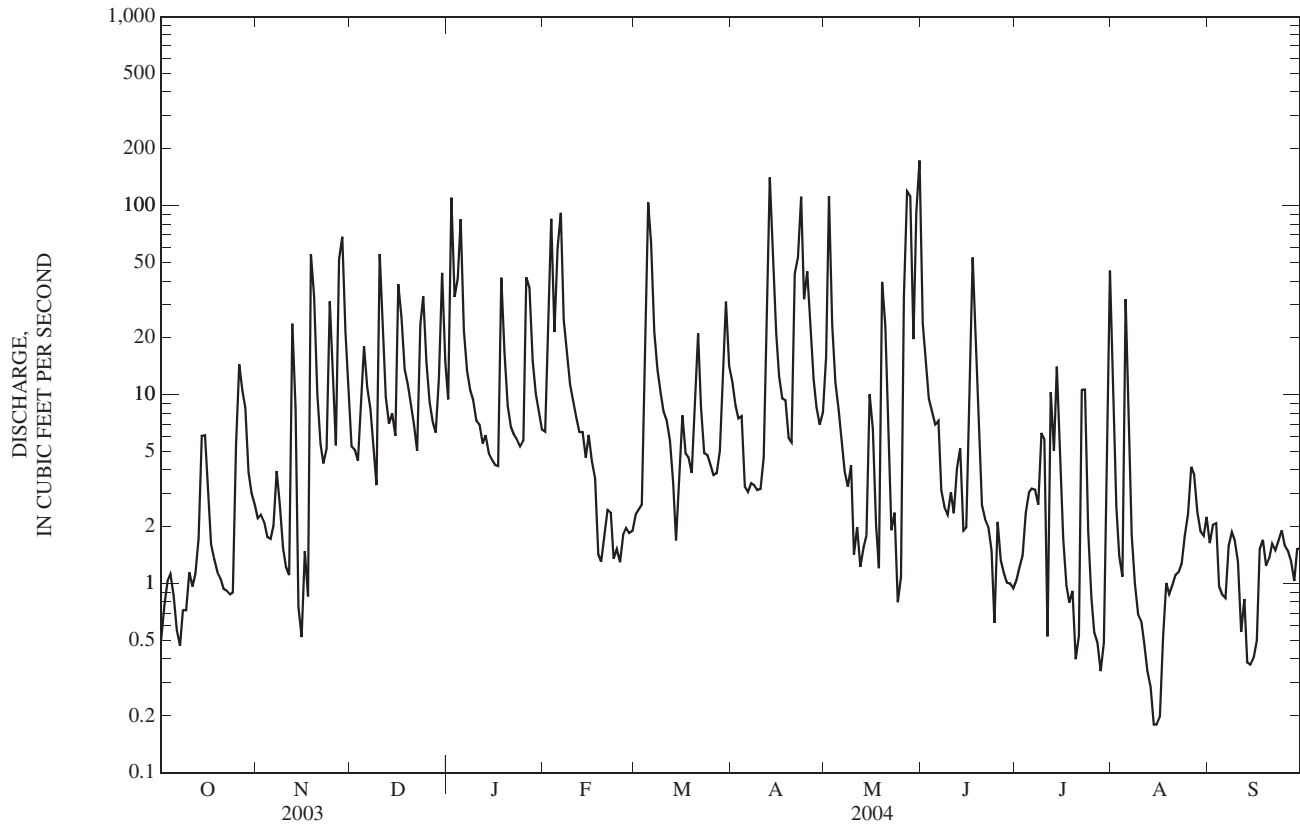
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	MEAN	2.13	4.62	8.73	16.2	18.3	27.6	19.3	18.4	9.01	1.37	1.53	2.02
	MAX	7.37	12.4	23.4	29.2	37.1	101	42.2	47.2	35.0	4.59	9.21	11.9
	(WY)	(2003)	(2004)	(2003)	(1996)	(2003)	(1997)	(1998)	(1995)	(1997)	(2004)	(1995)	(2003)
	MIN	0.10	0.68	0.83	1.79	6.43	10.0	2.40	1.34	0.05	0.04	0.06	0.13
	(WY)	(1998)	(1995)	(1999)	(2001)	(2002)	(2001)	(2001)	(2000)	(2001)	(2001)	(1998)	(1998)

03298550 LONG LICK AT CLERMONT, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	4,688.25		4,330.96		10.9	
ANNUAL MEAN	12.8		11.8		19.1	
HIGHEST ANNUAL MEAN					3.59	
LOWEST ANNUAL MEAN					680	
HIGHEST DAILY MEAN	255	Feb 15	173	May 31	2,820	Mar 1, 1997
LOWEST DAILY MEAN	0.04	Sep 26	0.18	Aug 14	0.00	Nov 13, 2001
ANNUAL SEVEN-DAY MINIMUM	0.31	Sep 7	0.31	Aug 11	0.01	Aug 20, 1999
MAXIMUM PEAK FLOW			871	Jun 17	11.44	May 6, 2002
MAXIMUM PEAK STAGE			6.22	Jun 17	0.01	Sep 26, 2003
INSTANTANEOUS LOW FLOW			0.08	Nov 14	23	
10 PERCENT EXCEEDS	32		32		1.6	
50 PERCENT EXCEEDS	4.1		4.2		0.11	
90 PERCENT EXCEEDS	0.52		0.87			

e Estimated



03300400 BEECH FORK AT MAUD, KY

LOCATION.--Lat 37°49'58", long 85°17'46", Nelson County, Hydrologic Unit 05140103, on right bank on downstream side of bridge on State Highway 55, 100 ft upstream from Nealy Run, 0.8 mi north of Maud, 1.7 mi downstream from Chaplin River, and at mile 48.1.

DRAINAGE AREA.--436 mi².

PERIOD OF RECORD.--August 1972 to current year.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 530.00 ft above NGVD of 1929.

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

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

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)
Nov 13	0930	11,600	18.00	May 31	0815	*14,500	19.40
Jan 3	0100	11,200	17.81	Aug 1	0145	8110	16.27
Mar 6	1330	12,400	18.40	Aug 5	2000	9490	16.95
May 28	1815	10,800	17.62				

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	184	107	781	813	e430	150	426	320	4,290	39	4,120	153
2	145	90	545	5,750	e400	196	315	1,550	1,140	31	514	94
3	119	77	429	7,190	2,870	275	269	2,550	689	26	266	66
4	100	68	389	1,950	2,300	245	241	912	469	28	163	49
5	86	91	797	4,410	1,630	1,050	218	551	392	68	6,170	37
6	75	258	1,200	3,360	6,340	10,200	198	423	327	119	3,590	29
7	67	432	848	1,270	2,910	3,470	184	344	267	73	773	23
8	60	305	601	836	1,180	1,040	176	288	218	72	368	22
9	52	221	491	647	806	642	168	245	180	49	233	22
10	50	176	1,620	557	670	487	156	215	153	44	162	19
11	43	149	4,130	473	571	398	146	191	133	33	121	17
12	38	3,320	1,360	410	492	344	185	171	124	62	99	21
13	34	8,920	739	382	434	305	1,330	162	318	52	81	117
14	38	1,630	626	350	390	274	3,740	164	309	113	68	51
15	92	726	833	322	358	255	1,760	2,850	232	186	55	29
16	132	801	1,870	298	325	258	752	2,230	167	109	44	18
17	121	660	5,910	275	293	262	507	569	167	2,190	37	404
18	98	691	2,330	625	272	253	397	357	362	2,040	30	2,580
19	83	3,430	1,220	1,710	257	230	330	314	431	247	25	847
20	66	2,670	949	829	249	225	290	722	232	150	21	347
21	54	1,040	726	518	241	1,090	291	429	161	101	73	213
22	48	623	618	435	226	832	1,990	256	119	79	201	146
23	42	458	664	388	207	424	5,870	194	108	74	382	104
24	36	521	2,550	343	196	328	2,980	155	111	61	186	78
25	31	765	1,610	320	186	288	1,180	138	432	63	109	61
26	69	536	877	576	177	258	983	1,300	290	52	91	48
27	383	701	648	1,910	168	237	640	8,550	132	43	95	40
28	322	4,100	535	1,180	158	223	491	9,930	105	40	241	33
29	217	4,580	478	698	150	220	394	3,380	69	30	302	27
30	167	1,420	2,180	e510	---	420	343	8,130	50	24	156	23
31	131	---	1,640	e460	---	633	---	12,500	---	2,460	276	---
TOTAL	3,183	39,566	40,194	39,795	24,886	25,512	26,950	60,090	12,177	8,758	19,052	5,718
MEAN	103	1,319	1,297	1,284	858	823	898	1,938	406	283	615	191
MAX	383	8,920	5,910	7,190	6,340	10,200	5,870	12,500	4,290	2,460	6,170	2,580
MIN	31	68	389	275	150	150	146	138	50	24	21	17
CFSM	0.24	3.02	2.97	2.94	1.97	1.89	2.06	4.45	0.93	0.65	1.41	0.44
IN.	0.27	3.38	3.43	3.40	2.12	2.18	2.30	5.13	1.04	0.75	1.63	0.49

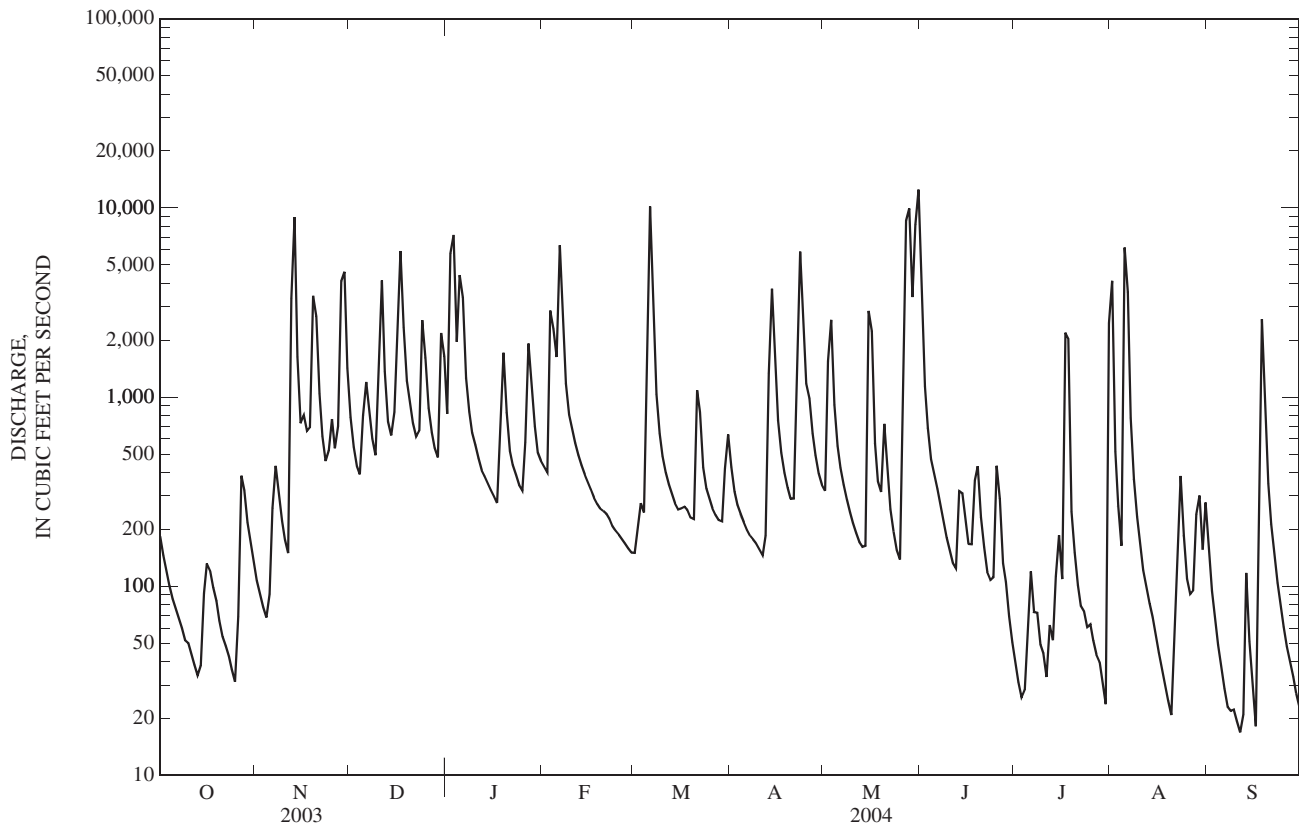
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	174	517	997	940	1,187	1,219	745	746	497	198	176	256
MAX	1,042	1,699	3,691	2,461	5,071	4,663	2,022	2,359	2,499	764	939	2,284
(WY)	(1976)	(1989)	(1979)	(1974)	(1989)	(1997)	(1979)	(1995)	(1997)	(1998)	(1978)	(1979)
MIN	0.01	0.06	37.2	16.2	203	134	103	43.6	3.32	2.45	0.87	0.02
(WY)	(1988)	(2000)	(2000)	(1981)	(1980)	(1983)	(1986)	(1976)	(1988)	(1975)	(1986)	(1999)

03300400 BEECH FORK AT MAUD, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1973 - 2004	
ANNUAL TOTAL	360,644		305,881		635	
ANNUAL MEAN	988		836		1,243	
HIGHEST ANNUAL MEAN					256	
LOWEST ANNUAL MEAN					39,800	
HIGHEST DAILY MEAN	18,100	Feb 16	12,500	May 31	0.00	Mar 2, 1997
LOWEST DAILY MEAN	18	Aug 21	17	Sep 11	0.00	Oct 8, 1983
ANNUAL SEVEN-DAY MINIMUM	39	Jul 17	22	Sep 6	0.00	Oct 23, 1987
MAXIMUM PEAK FLOW			14,500	May 31	41,500	Mar 2, 1997
MAXIMUM PEAK STAGE			19.40	May 31	27.60	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.27		1.92		1.46	
ANNUAL RUNOFF (INCHES)	30.77		26.10		19.79	
10 PERCENT EXCEEDS	2,520		2,250		1,370	
50 PERCENT EXCEEDS	375		289		170	
90 PERCENT EXCEEDS	52		47		4.2	

e Estimated



03301000 BEECH FORK AT BARDSTOWN, KY

LOCATION.--Lat 37°47'49", long 85°28'51", Nelson County, Hydrologic Unit 05140103 near center of span on downstream side of bridge on U.S. Highway 31E, 0.1 mile downstream from Rowan Creek, 1 mile southwest of Bardstown, and mile 20.7.

DRAINAGE AREA.--669 mi².

PERIOD OF RECORD.--October 1939 to September 1974; converted to a crest-stage partial-record station. Monthly discharge only for October, November 1939, published in WSP 1305. October 1997 to September 1999 and January 2001 to current year.

REVISIONS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 439.3 ft above mean sea level.

REMARKS.--Records good except for periods of estimated, record which are fair. At times during periods of low flow, City of Bardstown diverts flow above station for municipal water supply. Some of this water is returned to stream by sewer outfall 300 ft above gage.

COOPERATION.--City of Bardstown.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 13	1800	9,980	24.56	May 27	1400	13,400	29.03
Jan 3	0600	10,600	25.40	May 31	1700	*17,600	*33.00
Mar 6	2200	10,500	25.27				

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	283	266	1,420	1,430	596	104	465	463	7,840	102	5,140	297
2	198	123	958	8,670	910	166	313	2,290	2,910	96	1,110	180
3	145	112	722	9,700	3,900	209	236	3,640	1,250	106	481	140
4	127	103	696	3,840	3,400	243	185	1,660	836	120	336	105
5	120	122	994	5,950	3,080	1,260	152	870	651	218	7,700	89
6	121	316	1,690	4,870	6,940	10,700	129	638	561	580	5,090	72
7	105	613	1,360	2,500	4,390	5,000	117	513	526	536	1,650	57
8	105	607	973	1,500	1,970	1,760	108	433	434	447	642	53
9	73	363	776	1,170	1,130	843	100	375	382	449	443	54
10	55	287	2,160	951	876	589	92	326	329	429	344	56
11	51	224	4,860	775	710	460	85	287	304	1,580	267	54
12	49	2,990	2,650	685	592	379	122	268	263	1,440	206	70
13	46	9,520	1,270	627	500	320	1,970	257	368	712	162	74
14	54	3,390	1,070	571	438	281	4,240	295	579	565	133	202
15	88	1,320	1,220	527	394	248	2,860	5,500	414	580	114	304
16	94	1,230	2,490	478	347	267	987	3,990	346	572	99	510
17	109	1,090	6,600	448	313	256	593	1,250	455	674	86	1,830
18	102	1,580	3,820	1,140	274	229	447	682	1,730	4,110	77	3,380
19	89	4,280	2,080	2,210	254	196	370	1,000	708	886	68	2,840
20	88	3,890	1,560	1,530	240	237	326	1,260	505	614	63	1,800
21	78	2,020	1,190	864	224	895	389	891	360	537	101	e970
22	71	1,140	1,000	710	198	989	2,550	507	316	476	228	e618
23	54	838	1,150	589	174	489	7,800	387	239	276	375	e397
24	46	1,020	3,480	552	157	333	4,490	313	219	224	359	e306
25	40	1,160	2,820	536	141	265	2,070	278	189	172	221	e276
26	122	962	1,510	1,260	128	219	1,460	1,510	601	178	199	e256
27	432	1,280	1,070	2,520	120	184	972	13,700	299	101	423	e226
28	530	5,540	871	2,050	113	162	707	12,600	213	67	335	e206
29	379	6,220	808	1,200	105	197	554	5,680	141	61	473	e186
30	284	2,910	2,910	869	---	413	496	12,400	120	57	449	e165
31	253	---	2,860	641	---	593	---	17,000	---	3,000	370	---
TOTAL	4,391	55,516	59,038	61,363	32,614	28,486	35,385	91,263	24,088	19,965	27,744	15,773
MEAN	142	1,851	1,904	1,979	1,125	919	1,180	2,944	803	644	895	526
MAX	530	9,520	6,600	9,700	6,940	10,700	7,800	17,000	7,840	4,110	7,700	3,380
MIN	40	103	696	448	105	104	85	257	120	57	63	53

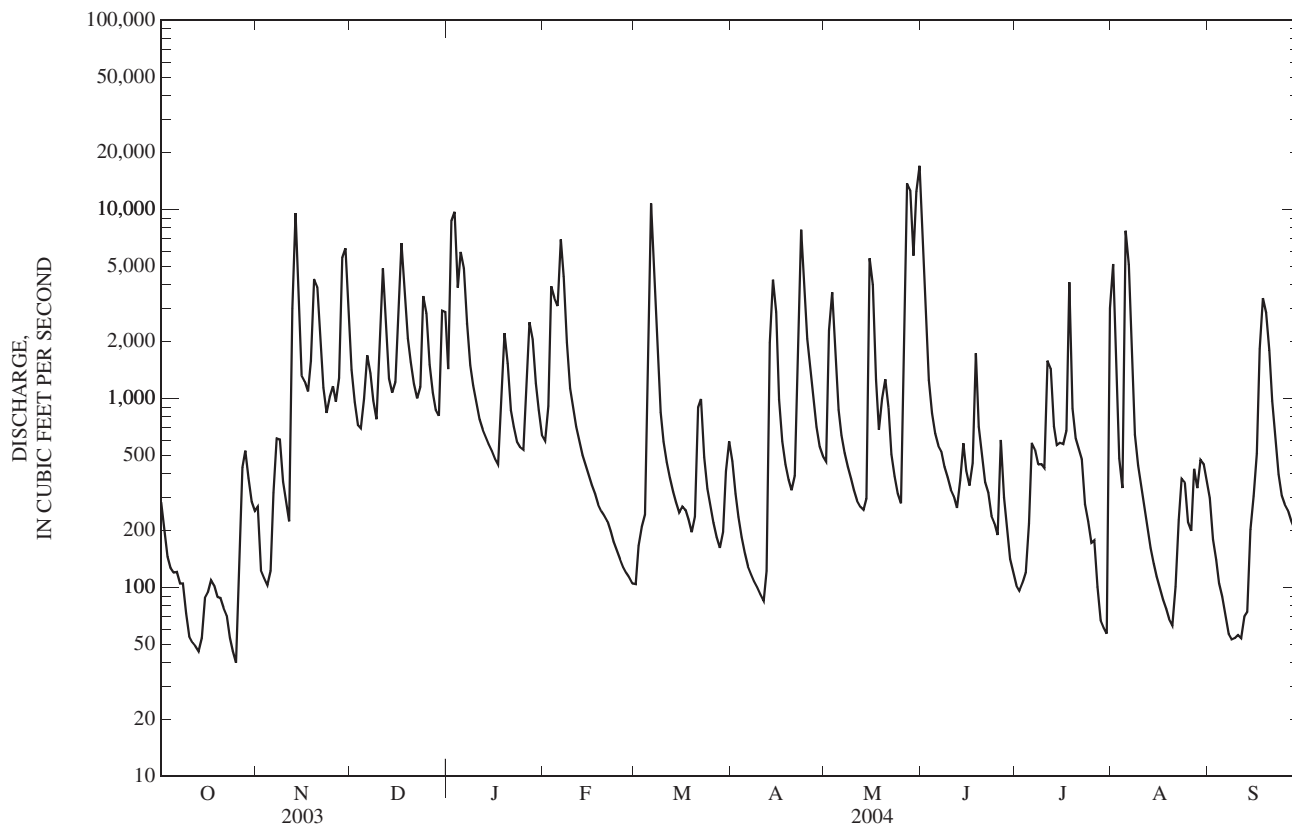
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	136	578	1,126	1,610	1,840	1,957	1,367	977	593	459	219	220
MAX	1,973	2,682	3,631	7,384	5,269	6,277	6,321	3,372	2,565	2,946	1,115	2,206
(WY)	(1963)	(1958)	(1952)	(1950)	(1956)	(1964)	(1972)	(1967)	(1998)	(1958)	(1974)	(1974)
MIN	0.27	0.70	1.40	42.7	123	153	145	46.1	22.2	1.36	3.44	0.39
(WY)	(1954)	(1964)	(1944)	(1944)	(1954)	(1941)	(1963)	(1941)	(1948)	(1954)	(1999)	(1953)

03301000 BEECH FORK AT BARDSTOWN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	557,809		455,626		931	
ANNUAL MEAN	1,528		1,245		1,733	
HIGHEST ANNUAL MEAN					245	
LOWEST ANNUAL MEAN					32,200	
HIGHEST DAILY MEAN	22,500	Feb 16	17,000	May 31	32,200	Mar 5, 1964
LOWEST DAILY MEAN	40	Oct 25	40	Oct 25	0.00	Sep 29, 1948
ANNUAL SEVEN-DAY MINIMUM	59	Oct 9	59	Oct 9	0.03	Sep 28, 1948
MAXIMUM PEAK FLOW			17,600	May 31	33,900	Mar 5, 1964
MAXIMUM PEAK STAGE			33.00	May 31	43.50	Mar 5, 1964
10 PERCENT EXCEEDS	3,850		3,390		2,160	
50 PERCENT EXCEEDS	697		464		215	
90 PERCENT EXCEEDS	105		101		6.0	

e Estimated



03301500 ROLLING FORK NEAR BOSTON, KY

LOCATION.--Lat 37°46'02", long 85°42'14", Nelson Cty, Hydrologic Unit 05140103, on downstream side of bridge on U.S. Hwy 62 and State Hwy 61, 0.4 mi downstream from Beech Fork, 2.3 mi southwest of Boston, and at mile 19.8.

DRAINAGE AREA.--1,299 mi².

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder with telemetry. Datum of gage is 400.42 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to Sept. 30, 1971. Datum of Auxiliary gage (Rolling Fork at Lebanon Junction) 385.06 ft above sea level.

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 55.2 ft, former site, from floodmarks (backwater from Ohio River).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 4	0600	16,000	35.31	Jun 1	1645	22,100	39.93
May 29	1345	*22,800	*40.35				

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	723	438	3,470	3,250	e1,200	444	1,670	1,160	21,800	251	6,760	522
2	607	373	2,170	6,500	1,390	559	1,260	2,420	18,800	236	3,610	375
3	501	333	1,690	14,800	4,740	818	1,040	5,690	11,600	211	1,070	274
4	425	301	1,490	15,700	e6,470	1,080	918	4,240	5,290	362	673	217
5	374	280	1,670	13,000	5,030	1,460	875	2,100	2,510	330	4,410	178
6	326	376	2,290	e7,330	9,560	10,300	818	1,530	1,610	270	11,000	156
7	290	655	2,540	e4,820	12,600	14,000	682	e1,220	1,290	379	5,460	186
8	263	1,020	2,070	e3,870	9,950	10,500	604	975	1,080	393	1,450	163
9	243	774	1,690	e3,130	e4,440	e3,830	556	803	916	354	899	130
10	226	609	2,350	e2,510	e3,220	e2,410	506	672	797	440	649	111
11	219	508	6,280	e2,040	e2,340	e1,610	466	585	692	1,650	499	100
12	228	1,460	6,440	e1,900	e1,930	e1,180	523	e516	631	3,060	393	e112
13	205	9,560	2,850	e1,560	e1,660	e979	2,530	e493	706	1,410	324	e257
14	203	10,300	2,120	e1,160	e1,390	992	7,670	621	1,150	798	277	e190
15	293	3,580	2,280	1,140	1,230	890	8,600	2,270	900	570	240	155
16	327	e1,910	3,230	1,020	1,090	922	4,400	10,000	744	510	212	120
17	314	e1,540	7,300	936	979	951	e1,890	5,020	738	401	185	169
18	311	e1,820	9,730	1,420	892	897	e1,410	1,620	2,680	2,740	160	3,030
19	279	5,640	5,230	e3,210	833	802	e1,070	1,290	2,030	1,450	144	4,080
20	251	7,960	2,980	e2,360	795	790	e936	2,400	1,370	477	131	e1,290
21	233	5,070	2,350	1,920	763	1,680	e1,000	2,200	881	331	138	e911
22	214	2,610	1,960	1,540	709	2,190	2,850	1,240	660	801	573	e836
23	200	e2,170	1,840	1,320	657	1,670	9,520	864	890	2,110	821	e761
24	188	e2,110	3,770	1,190	617	1,200	12,900	659	e637	703	699	e537
25	177	e2,290	5,080	e1,120	579	1,010	8,040	550	507	422	458	e387
26	268	e1,940	3,190	e1,950	542	885	3,340	1,570	691	292	330	254
27	580	e2,160	2,220	e3,500	507	796	2,360	12,300	652	243	414	171
28	848	5,230	1,840	e3,300	474	731	1,770	21,200	405	e209	402	e146
29	790	9,360	1,650	e2,420	449	729	1,410	22,400	352	182	402	131
30	639	8,690	3,220	e1,500	---	1,450	1,230	20,500	297	163	478	115
31	525	---	5,010	e1,320	---	1,660	---	20,400	---	3,230	603	---
TOTAL	11,270	91,067	102,000	112,736	77,036	69,415	82,844	149,508	83,306	24,978	43,864	16,064
MEAN	364	3,036	3,290	3,637	2,656	2,239	2,761	4,823	2,777	806	1,415	535
MAX	848	10,300	9,730	15,700	12,600	14,000	12,900	22,400	21,800	3,230	11,000	4,080
MIN	177	280	1,490	936	449	444	466	493	297	163	131	100
CFSM	0.28	2.34	2.53	2.80	2.04	1.72	2.13	3.71	2.14	0.62	1.09	0.41
IN.	0.32	2.61	2.92	3.23	2.21	1.99	2.37	4.28	2.39	0.72	1.26	0.46

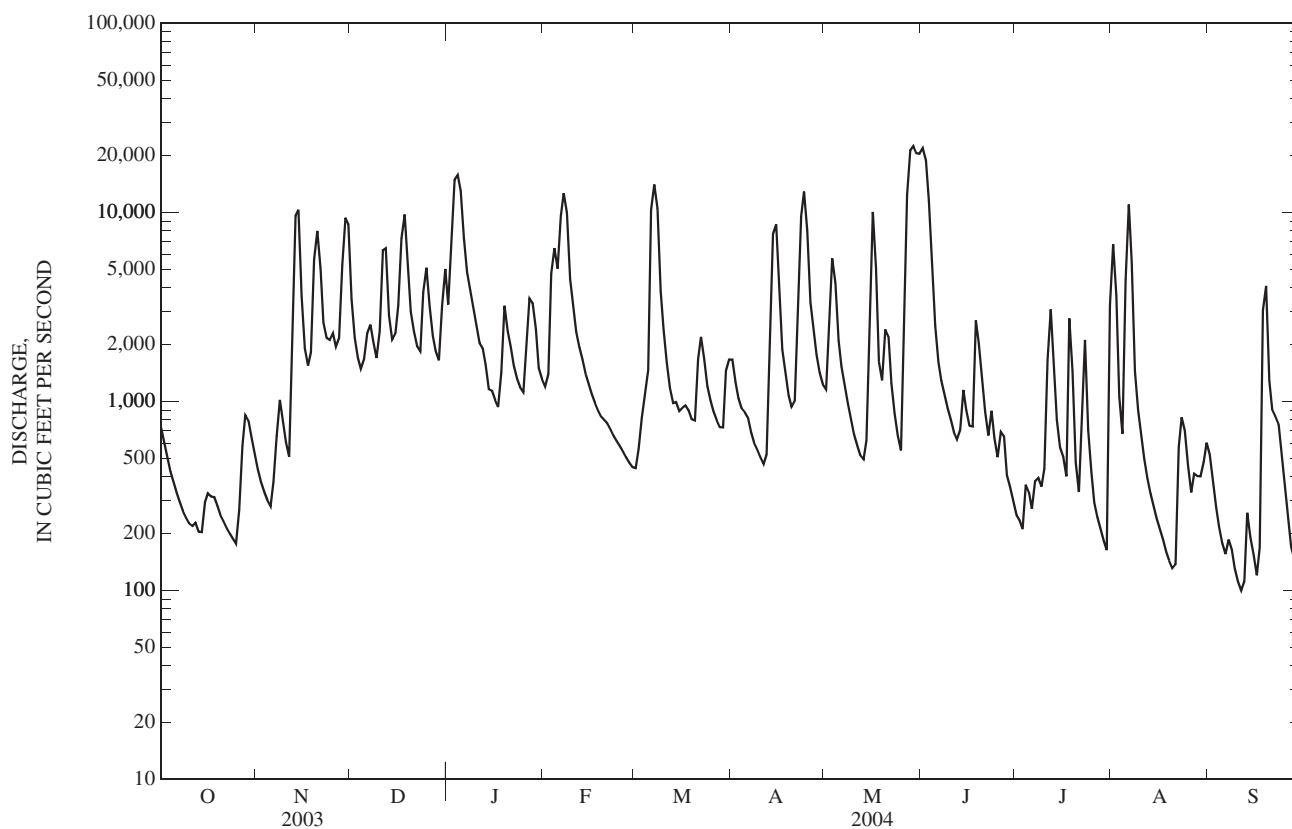
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

	326	1,065	2,362	2,958	3,765	3,827	2,759	1,998	1,174	728	425	490
MEAN	326	1,065	2,362	2,958	3,765	3,827	2,759	1,998	1,174	728	425	490
MAX	2,778	5,310	11,050	13,420	16,320	13,540	11,350	11,810	6,865	5,339	2,806	8,265
(WY)	(1976)	(1958)	(1979)	(1950)	(1989)	(1997)	(1972)	(1983)	(1997)	(1958)	(1977)	(1979)
MIN	0.57	4.32	5.84	77.0	288	344	353	150	24.4	6.78	12.9	1.89
(WY)	(1954)	(1944)	(1944)	(1981)	(1954)	(1941)	(1986)	(1941)	(1988)	(1954)	(1999)	(1953)

03301500 ROLLING FORK NEAR BOSTON, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	976,820		864,088		1,813	
ANNUAL MEAN	2,676		2,361		4,268	
HIGHEST ANNUAL MEAN					473	
LOWEST ANNUAL MEAN					68,400	
HIGHEST DAILY MEAN	25,000	Feb 18	22,400	May 29		Mar 4, 1997
LOWEST DAILY MEAN	131	Aug 22	100	Sep 11	0.40	Oct 20, 1939
ANNUAL SEVEN-DAY MINIMUM	209	Aug 16	137	Sep 6	0.40	Oct 3, 1953
MAXIMUM PEAK FLOW			22,800	May 29	69,800	Mar 3, 1997
MAXIMUM PEAK STAGE			40.35	May 29	53.22	Mar 3, 1997
INSTANTANEOUS LOW FLOW			98	Sep 11	0.40	Oct 20, 1939
ANNUAL RUNOFF (CFSM)	2.06		1.82		1.40	
ANNUAL RUNOFF (INCHES)	27.97		24.75		18.97	
10 PERCENT EXCEEDS	7,060		6,330		4,810	
50 PERCENT EXCEEDS	1,300		996		510	
90 PERCENT EXCEEDS	266		232		27	

e Estimated



03301700 MILL CREEK NEAR FORT KNOX, KY

LOCATION.--Lat 37°53'00", long 85°54'52", Hardin County, Hydrologic Unit 05140104, on wooden bridge on Poorman Road, 2.2 miles southeast of Fort Knox and at mile 8.0.

DRAINAGE AREA.--38.2 mi².

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

GAGE.--Water-stage recorder with telemetry. Elevation of gage is 440 ft above NGVD of 1929 (from topographic map).

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

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	13	12	60	73	e74	18	51	88	275	5.5	71	3.5
2	11	11	45	405	140	28	43	456	159	5.2	31	3.8
3	10	11	39	203	445	24	39	196	98	5.1	20	9.2
4	9.6	10	44	138	163	44	33	117	62	5.7	14	4.8
5	9.0	10	60	319	244	259	29	88	49	5.6	16	3.4
6	e8.7	12	56	141	387	362	26	67	40	10	9.2	3.0
7	8.0	14	45	97	177	139	26	54	33	7.5	6.8	2.8
8	7.8	11	40	78	112	89	23	45	27	5.5	5.5	3.2
9	e8.0	11	35	66	89	70	21	37	73	4.5	4.8	2.8
10	e7.8	10	117	52	75	54	19	e30	120	4.3	4.4	2.6
11	11	10	91	45	62	46	18	e29	43	14	3.8	2.4
12	9.5	271	61	42	52	40	47	25	39	151	3.7	3.0
13	8.9	164	49	36	46	33	402	23	55	44	3.3	5.3
14	23	60	48	32	43	31	397	22	30	40	3.2	2.8
15	28	53	43	29	39	28	167	93	23	20	2.8	2.3
16	13	46	119	27	33	33	106	62	27	12	2.7	2.3
17	9.4	35	131	27	29	29	76	37	144	9.9	2.5	2.4
18	8.8	197	85	89	27	25	58	28	218	7.5	2.5	2.6
19	8.7	201	69	69	26	23	47	67	63	6.4	2.6	2.3
20	8.3	85	55	49	26	71	41	118	36	5.2	2.6	2.2
21	8.1	56	46	43	24	150	131	47	26	4.5	6.3	2.1
22	8.2	42	41	39	21	66	231	32	22	54	3.4	2.2
23	8.2	34	141	34	19	50	631	25	17	85	2.7	2.3
24	7.7	131	178	32	19	43	309	20	13	21	3.0	2.2
25	8.0	70	94	33	17	37	304	22	12	11	20	2.2
26	48	50	69	115	16	33	184	422	10	7.7	22	2.2
27	37	204	57	130	15	30	117	1,100	8.1	6.4	19	2.2
28	22	295	48	79	14	28	87	545	7.0	4.5	5.9	2.2
29	18	140	83	64	14	35	67	231	6.4	4.2	4.0	2.2
30	15	88	202	e55	---	67	78	934	5.8	13	22	2.1
31	12	---	97	e47	---	67	---	750	---	309	4.5	---
TOTAL	413.7	2,344	2,348	2,688	2,448	2,052	3,808	5,810	1,741.3	889.2	325.2	88.6
MEAN	13.3	78.1	75.7	86.7	84.4	66.2	127	187	58.0	28.7	10.5	2.95
MAX	48	295	202	405	445	362	631	1,100	275	309	71	9.2
MIN	7.7	10	35	27	14	18	18	20	5.8	4.2	2.5	2.1

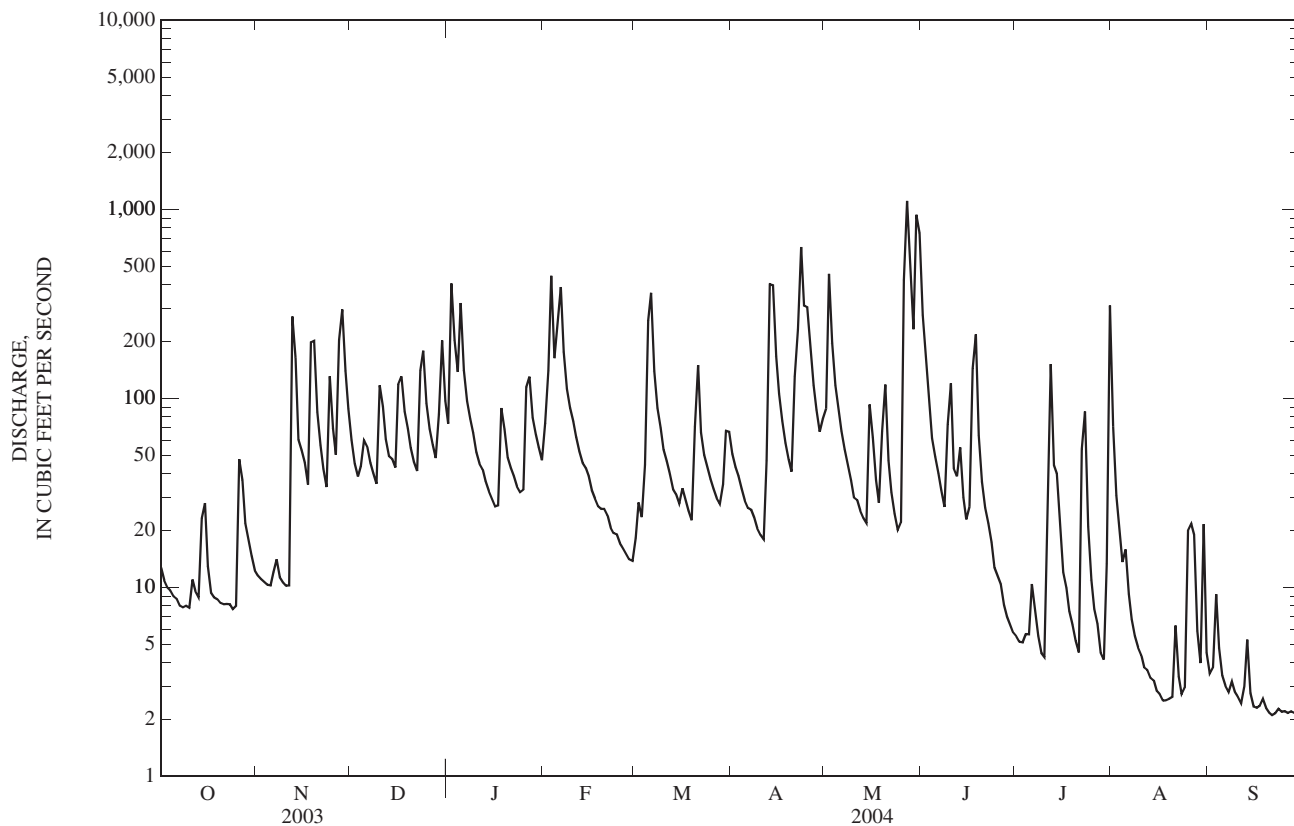
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	25.8	45.0	76.8	80.1	105	103	100	120	28.7	16.5	12.5	27.2
MEAN	65.5	90.6	136	119	189	280	207	226	62.0	28.7	25.7	66.7
(WY)	(2003)	(2002)	(2003)	(1999)	(2003)	(2002)	(2002)	(2002)	(2003)	(2004)	(2000)	(2003)
MIN	6.50	4.67	26.4	21.1	50.2	54.6	29.4	16.2	9.16	4.56	3.28	2.95
(WY)	(2001)	(2000)	(1999)	(2001)	(2002)	(2003)	(2001)	(2001)	(2001)	(1999)	(1999)	(2004)

03301700 MILL CREEK NEAR FORT KNOX, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	28,074.3		24,956.0		61.5	
ANNUAL MEAN	76.9		68.2		31.6	
HIGHEST ANNUAL MEAN					99.9	
LOWEST ANNUAL MEAN					31.6	
HIGHEST DAILY MEAN	1,240	Feb 15	1,100	May 27	2,730	Mar 26, 2002
LOWEST DAILY MEAN	5.2	Jul 27	2.1	Sep 21	2.1	Sep 21, 2004
ANNUAL SEVEN-DAY MINIMUM	6.7	Aug 15	2.2	Sep 24	2.2	Sep 24, 2004
MAXIMUM PEAK FLOW			4,160	May 30	9,220	Mar 26, 2002
MAXIMUM PEAK STAGE			9.35	May 30	10.29	Jan 4, 2000
10 PERCENT EXCEEDS	185		163		131	
50 PERCENT EXCEEDS	32		32		20	
90 PERCENT EXCEEDS	8.4		3.5		4.4	

e Estimated



03301900 FERN CREEK AT OLD BARDSTOWN ROAD AT LOUISVILLE, KY

LOCATION.--Lat 38°10'32", long 85°36'55", Jefferson County, Hydrologic Unit 05140102, on right upstream wingwall, at bridge on Old Bardstown Road, at Louisville, and at mile 3.2.

DRAINAGE AREA.--3.5 mi².

PERIOD OF RECORD.--February 1991 to October 1995, (medium and high flows only), September 1997 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage 550.74 ft. above NGVD of 1929.

REMARKS.--Records good. Flow partially regulated by sewage treatment plant upstream.

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

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)
May 25	2200	*564	*3.43				
						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	e3.9	e1.8	6.1	8.0	5.3	3.4	3.9	9.8	29	1.8	5.0	2.3
2	e2.9	e1.5	4.9	42	19	2.7	3.5	32	25	1.9	3.7	1.9
3	2.6	e2.9	4.3	16	31	8.8	3.3	14	15	1.8	3.1	1.8
4	2.7	e3.6	4.6	33	14	65	3.0	9.7	12	1.8	3.7	1.6
5	2.5	e1.4	5.4	35	26	29	2.7	7.6	9.4	5.0	12	1.5
6	2.3	e1.8	4.5	16	28	22	2.6	6.2	7.8	8.8	3.5	1.5
7	2.1	e1.8	4.0	12	16	13	2.6	5.1	6.6	3.8	3.0	1.4
8	2.0	e1.6	3.6	9.4	11	9.3	2.5	4.5	5.6	2.5	2.6	1.4
9	2.0	e1.4	3.4	8.0	9.6	7.4	2.4	4.0	26	7.4	2.3	1.4
10	2.6	e1.5	21	6.7	8.2	6.1	2.3	3.3	12	8.4	2.2	1.2
11	2.5	e1.7	8.9	6.1	6.9	5.6	2.3	2.9	7.2	4.7	2.0	1.1
12	2.7	e1.4	6.2	5.4	6.1	4.8	5.9	2.8	21	4.0	1.9	1.2
13	2.9	e6.7	5.2	4.7	5.4	4.3	33	3.1	12	12	1.8	1.1
14	16	e4.6	5.3	4.4	5.1	4.1	19	4.1	8.3	15	1.8	1.1
15	3.1	e5.3	4.7	3.7	4.6	3.7	9.6	19	6.8	5.4	1.7	0.99
16	2.3	e4.6	8.1	3.4	4.0	6.3	7.2	7.1	10	3.9	1.6	1.0
17	2.3	e2.5	6.6	6.9	3.7	4.4	6.0	4.9	6.3	28	1.5	1.1
18	2.1	28	6.3	17	3.6	3.7	5.1	11	5.0	7.5	1.5	0.98
19	1.9	13	5.9	8.2	3.5	3.3	4.6	8.3	5.0	5.0	1.5	0.99
20	1.8	6.8	5.1	6.2	3.4	3.6	4.7	6.1	3.9	3.9	2.2	0.98
21	1.7	5.1	4.7	5.5	3.1	3.3	9.5	4.5	3.5	3.2	2.1	0.93
22	1.6	4.2	4.3	4.9	2.9	2.9	7.3	3.8	3.2	3.0	1.6	0.95
23	1.6	3.7	24	4.2	2.7	2.9	23	3.4	2.9	3.1	1.4	0.96
24	1.4	13	14	4.0	2.6	3.2	9.5	3.1	2.6	2.7	1.3	0.98
25	1.4	5.3	9.0	4.2	2.5	3.0	21	43	2.6	2.4	1.6	0.96
26	5.4	4.5	7.0	13	2.3	3.0	11	36	2.4	11	8.4	0.98
27	2.1	20	6.0	14	2.3	3.0	8.0	71	2.2	3.5	2.7	0.88
28	1.6	25	5.2	8.1	2.2	2.8	6.4	63	2.1	2.9	2.1	0.87
29	1.5	12	16	6.8	2.2	5.8	5.4	23	1.9	2.5	10	0.89
30	1.4	8.5	14	5.9	---	5.3	11	59	1.8	7.2	6.5	0.90
31	1.3	---	8.5	5.5	---	4.3	---	62	---	13	2.9	---
TOTAL	84.2	207.8	236.8	328.2	237.2	250.0	238.3	537.3	259.1	187.1	99.2	35.84
MEAN	2.72	6.93	7.64	10.6	8.18	8.06	7.94	17.3	8.64	6.04	3.20	1.19
MAX	16	28	24	42	31	65	33	71	29	28	12	2.3
MIN	1.3	1.4	3.4	3.4	2.2	2.7	2.3	2.8	1.8	1.8	1.3	0.87
CFSM	0.78	1.98	2.18	3.02	2.34	2.30	2.27	4.95	2.47	1.72	0.91	0.34
IN.	0.89	2.21	2.52	3.49	2.52	2.66	2.53	5.71	2.75	1.99	1.05	0.38

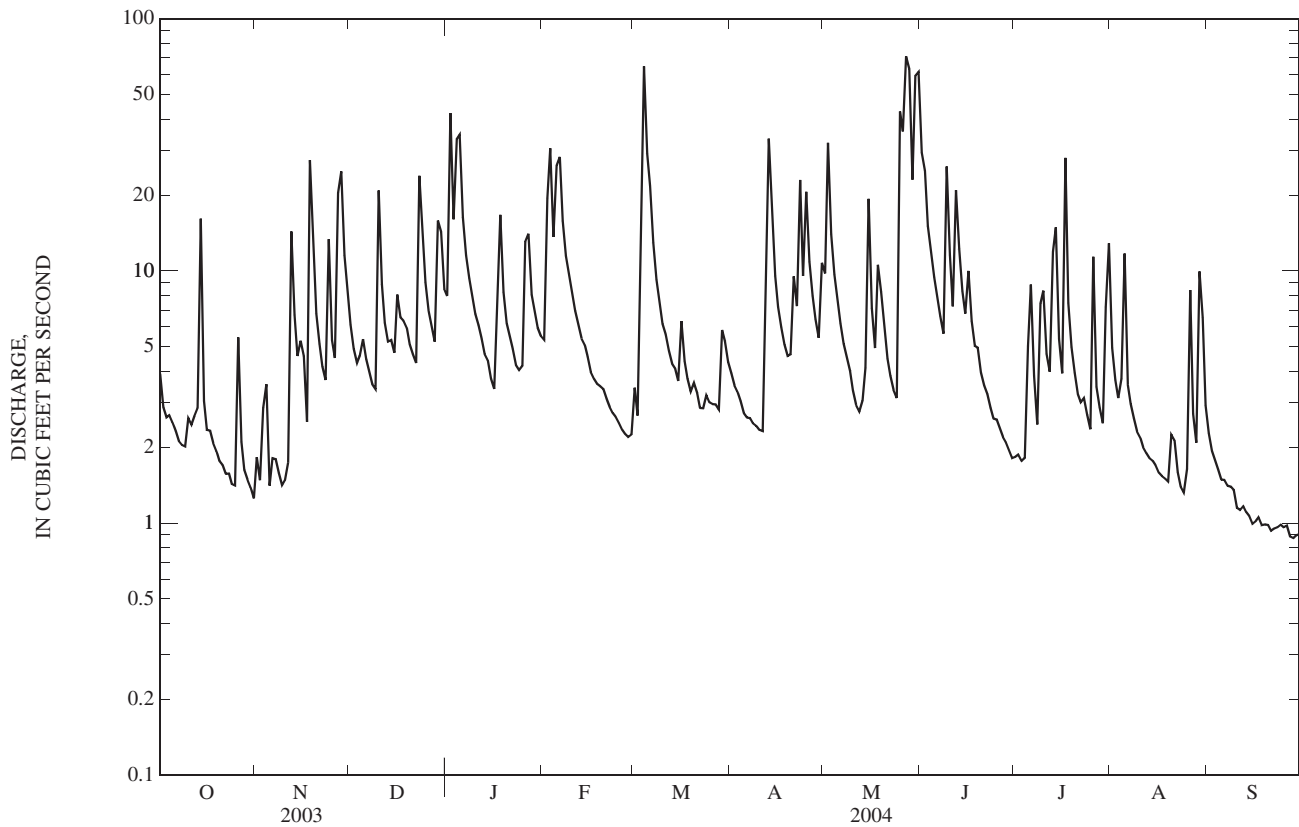
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1998	3.44	7.34	(2002)	1.18	(1998)
1999	4.52	9.22	(2002)	1.74	(2000)
2000	8.19	17.4	(2003)	3.37	(1999)
2001	9.01	11.7	(2002)	1.48	(2001)
2002	9.32	16.1	(2003)	4.92	(2001)
2003	9.19	20.6	(2002)	3.26	(2001)
2004	9.00	16.2	(2002)	2.32	(2001)
2005	9.90	19.5	(2002)	2.31	(2000)
2006	5.77	8.64	(2004)	1.77	(2001)
2007	3.07	6.04	(2004)	1.32	(2002)
2008	2.33	4.55	(2003)	0.75	(1999)
2009	3.27	8.65	(2003)	0.80	(1999)

03301900 FERN CREEK AT OLD BARDSTOWN ROAD AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	2,925.1		2,701.04		6.40	
ANNUAL MEAN	8.01		7.38		9.92	
HIGHEST ANNUAL MEAN					2.86	
LOWEST ANNUAL MEAN					163	
HIGHEST DAILY MEAN	105	Feb 22	71	May 27	163	Feb 18, 2000
LOWEST DAILY MEAN	1.1	Aug 27	0.87	Sep 28	0.40	Oct 6, 1997
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 15	0.92	Sep 24	0.61	Oct 3, 1997
MAXIMUM PEAK FLOW			564	May 25	933	Jun 28, 2000
MAXIMUM PEAK STAGE			3.43	May 25	4.16	Jun 28, 2000
ANNUAL RUNOFF (CFSM)	2.29		2.11		1.83	
ANNUAL RUNOFF (INCHES)	31.09		28.71		24.85	
10 PERCENT EXCEEDS	16		16		14	
50 PERCENT EXCEEDS	4.5		4.2		3.0	
90 PERCENT EXCEEDS	1.7		1.5		1.1	

e Estimated



03301940 NORTHERN DITCH AT OKOLONA, KY

LOCATION.--Lat 38°09'01", long 85°41'37", Jefferson County, Hydrologic Unit 05140102, at Okolona on, bridge on Preston Highway, 0.1 mi above Spring Ditch, and at mile 5.1.

DRAINAGE AREA.--11.1 mi².

PERIOD OF RECORD.--June 1974 to Sept. 1976, Mar. 1988 to Feb. 1991, Oct. 1992 to Sept. 1993, Oct. 1994 to Sept. 1995, and Oct. 1997 to current year.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 447.32 ft above NGVD of 1929.

REMARKS.--Records good except for periods of estimated records, which are fair.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 28	0045	*923	*9.67				
						No other peak greater than base discharge.	

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

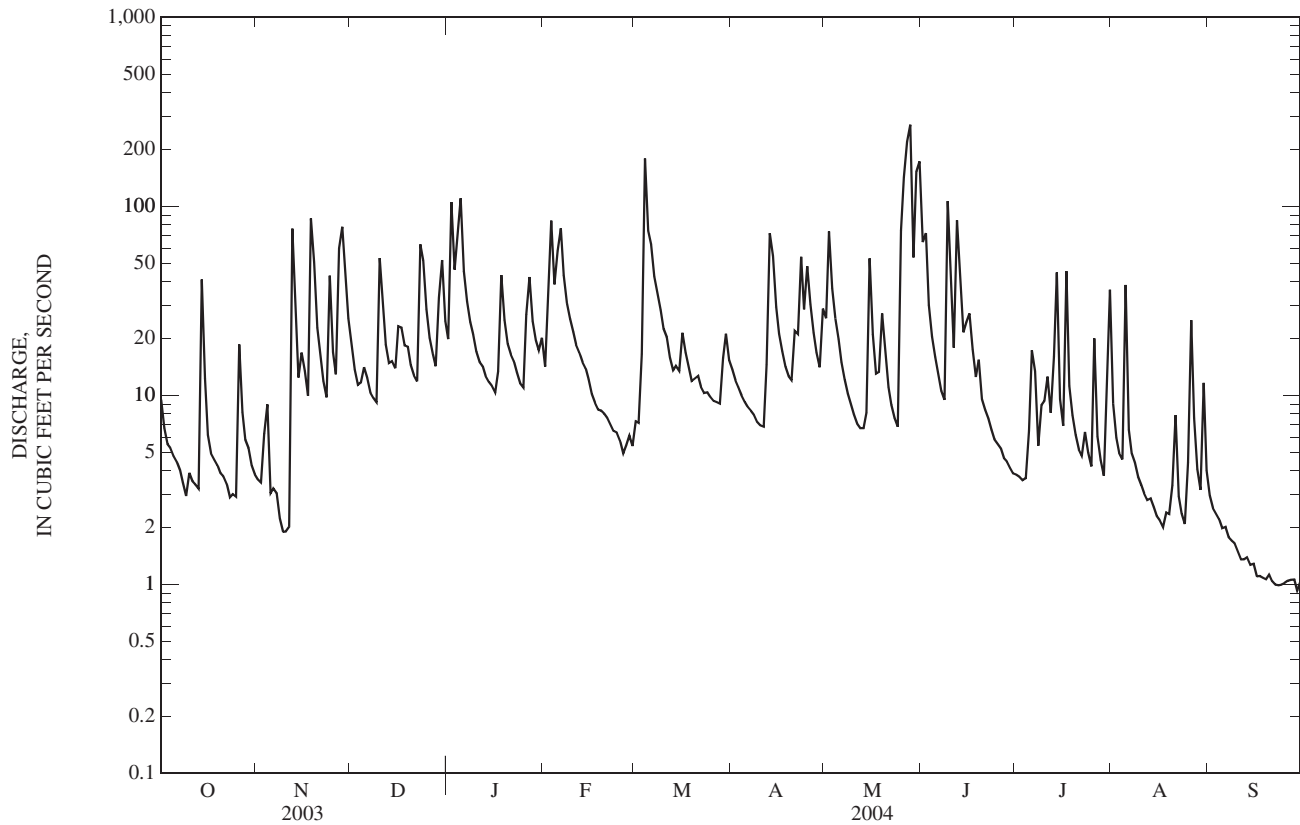
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	3.6	18	20	14	7.3	14	26	65	3.8	9.0	2.9
2	6.7	3.5	14	105	36	7.1	12	73	72	3.7	6.0	2.5
3	5.5	6.2	11	46	84	17	11	37	30	3.6	5.0	2.4
4	5.3	9.0	12	70	39	179	10	25	20	3.6	4.6	2.2
5	4.8	3.0	14	110	58	74	9.2	20	16	6.5	38	2.0
6	4.5	3.2	12	45	76	63	8.7	15	13	17	6.6	2.0
7	4.0	3.0	10	31	43	43	8.2	12	11	13	4.9	1.8
8	3.4	2.2	9.7	24	31	35	7.9	10	9.5	5.4	4.4	1.7
9	2.9	1.9	9.2	21	25	28	7.2	8.9	106	8.9	3.7	1.7
10	3.9	1.9	53	17	22	23	6.9	7.9	47	9.3	3.4	1.5
11	3.5	2.0	31	15	18	20	6.8	7.1	18	13	3.0	1.4
12	3.4	76	19	14	17	16	15	6.7	84	8.1	2.8	1.4
13	3.2	27	15	13	15	14	72	6.7	43	16	2.8	1.4
14	41	12	15	12	14	14	55	8.1	22	45	2.6	1.3
15	12	17	14	11	12	13	29	53	24	9.6	2.3	1.3
16	6.2	13	23	10	10	21	21	21	27	6.9	2.2	1.1
17	4.9	10	23	13	9.1	17	17	13	18	45	2.0	1.1
18	4.6	86	18	43	8.4	14	14	13	13	11	2.4	1.1
19	4.3	51	18	25	8.3	12	13	27	15	7.8	2.3	1.1
20	3.9	23	14	19	8.0	12	12	18	9.5	6.2	3.3	1.1
21	3.7	16	13	16	7.6	13	22	11	8.4	5.2	7.8	1.0
22	3.4	12	12	15	7.0	11	21	8.9	7.5	4.8	2.9	1.00
23	2.9	9.7	63	13	6.5	10	54	7.6	6.5	6.4	2.4	0.99
24	3.0	43	52	12	6.4	10	28	6.8	5.9	5.0	2.1	1.00
25	2.9	17	29	11	5.8	9.7	48	74	5.5	4.2	4.4	1.0
26	19	13	20	27	4.9	9.3	30	142	5.2	20	25	1.0
27	8.2	60	17	42	5.4	9.2	21	219	4.6	6.1	7.6	1.1
28	5.8	78	14	25	6.1	9.0	17	270	4.5	4.5	4.1	1.1
29	5.3	40	33	20	5.4	16	14	54	4.1	3.8	3.2	0.93
30	4.3	26	52	17	---	21	29	152	3.9	9.3	12	1.0
31	3.8	---	25	20	---	15	---	172	---	36	4.0	---
TOTAL	199.8	669.2	682.9	882	602.9	762.6	633.9	1,525.7	719.1	348.7	186.8	43.12
MEAN	6.45	22.3	22.0	28.5	20.8	24.6	21.1	49.2	24.0	11.2	6.03	1.44
MAX	41	86	63	110	84	179	72	270	106	45	38	2.9
MIN	2.9	1.9	9.2	10	4.9	7.1	6.8	6.7	3.9	3.6	2.0	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

	8.94	12.4	21.9	27.8	34.2	25.8	26.5	27.3	17.6	9.88	8.27	8.56
MEAN												
MAX	21.6	22.3	58.7	40.5	75.1	84.5	62.7	59.7	36.9	20.7	25.3	25.9
(WY)	(1991)	(2004)	(1991)	(1976)	(1989)	(1975)	(1975)	(1990)	(1990)	(1989)	(1993)	(2003)
MIN	2.47	3.20	6.39	6.50	12.6	11.1	5.34	4.49	4.08	2.17	0.70	0.61
(WY)	(1998)	(2000)	(1999)	(2001)	(1999)	(1999)	(2001)	(2000)	(2001)	(2002)	(1999)	(1999)

03301940 NORTHERN DITCH AT OKOLONA, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	7,889.4		7,256.72		18.9	
ANNUAL MEAN	21.6		19.8		28.6	
HIGHEST ANNUAL MEAN					8.31	
LOWEST ANNUAL MEAN					1975	
HIGHEST DAILY MEAN	248	Sep 2	270	May 28	608	May 18, 1995
LOWEST DAILY MEAN	1.9	Nov 9	0.93	Sep 29	0.18	Aug 16, 1999
ANNUAL SEVEN-DAY MINIMUM	2.5	Nov 5	1.0	Sep 20	0.24	Aug 12, 1999
MAXIMUM PEAK FLOW			923	May 28	1,590	Jun 28, 1999
MAXIMUM PEAK STAGE			9.67	May 28	13.19	Jun 28, 1999
10 PERCENT EXCEEDS	52		46		42	
50 PERCENT EXCEEDS	12		11		8.9	
90 PERCENT EXCEEDS	3.5		2.4		2.4	



03302000 POND CREEK NEAR LOUISVILLE, KY

LOCATION.--Lat 38°07'11", long 85°47'45", Jefferson County, Hydrologic Unit 05140102, on upstream side of bridge on Manslick Rd, right bank, 0.4 mi south of Third Street Rd, 0.6 mi downstream from Bee Lick Creek, 1.5 mi downstream from confluence of Northern and Southern Ditches, 2.4 mi south of Louisville city limits, and at mile 15.4.

DRAINAGE AREA.--64.0 mi².

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 430.38 ft above NGVD of 1929. See WDR KY-90-1 for history of changes prior to Nov. 16, 1962.

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of about 23 ft present datum, backwater from Ohio River, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1820	1,340	11.82	May 28	0310	*3,270	*18.19
Jan 5	0150	1,650	13.12	May 31	0445	1,710	13.36
May 27	0345	1,960	14.30	Aug 5	0340	2,110	14.86

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	39	11	67	101	e58	e43	63	169	329	8.4	84	14
2	20	10	57	729	e169	e72	42	483	641	8.5	44	18
3	16	10	44	249	e447	e63	33	153	195	8.9	30	19
4	15	16	53	350	e151	e563	27	95	104	8.2	24	13
5	14	11	104	867	e246	e326	23	69	76	56	917	11
6	14	14	60	234	e398	e291	21	51	60	101	114	10
7	13	13	46	142	e144	e143	20	39	50	108	58	9.4
8	12	10	41	98	e110	e89	19	32	45	27	34	9.4
9	12	8.9	39	79	e88	e70	18	27	121	118	23	9.2
10	e15	8.3	289	57	e74	e57	16	23	183	108	18	9.1
11	e16	8.5	147	50	e71	e51	16	21	62	42	14	8.3
12	e10	486	84	51	e67	e45	77	19	258	80	13	11
13	e19	196	62	47	e64	e41	594	19	162	42	11	7.8
14	e107	62	69	42	e62	e38	442	27	81	187	10	7.8
15	55	89	71	40	e62	e38	134	329	60	44	9.7	7.7
16	19	59	148	37	e54	e50	85	101	104	24	9.4	8.3
17	15	41	164	76	e43	e82	56	51	76	97	9.5	8.0
18	13	324	102	329	e37	e48	42	46	38	36	12	7.9
19	11	293	96	98	e38	e43	35	92	54	22	21	7.7
20	10	93	72	e72	e39	36	32	85	27	18	28	7.7
21	9.4	55	60	e66	e39	49	93	40	20	15	49	7.7
22	9.1	42	57	e55	e38	33	118	26	19	18	16	7.9
23	8.5	34	377	e53	e34	27	340	20	17	109	12	8.0
24	8.1	207	314	e50	e36	26	148	18	16	69	11	8.3
25	8.1	77	132	e45	e32	23	320	76	13	25	48	8.5
26	114	52	95	e48	e30	22	135	611	12	217	194	8.9
27	38	333	80	e140	e28	22	77	1,170	10	48	81	9.0
28	22	430	72	e89	e28	21	53	1,920	10	28	30	8.7
29	22	151	181	e78	e29	66	41	406	10	19	20	8.2
30	14	92	335	e64	---	135	134	606	9.2	52	25	8.2
31	12	---	136	e66	---	92	---	1,090	---	373	17	---
TOTAL	710.2	3,236.7	3,654	4,502	2,716	2,705	3,254	7,914	2,862.2	2,117.0	1,986.6	287.7
MEAN	22.9	108	118	145	93.7	87.3	108	255	95.4	68.3	64.1	9.59
MAX	114	486	377	867	447	563	594	1,920	641	373	917	19
MIN	8.1	8.3	39	37	28	21	16	18	9.2	8.2	9.4	7.7
CFSM	0.36	1.69	1.84	2.27	1.46	1.36	1.69	3.99	1.49	1.07	1.00	0.15
IN.	0.41	1.88	2.12	2.62	1.58	1.57	1.89	4.60	1.66	1.23	1.15	0.17

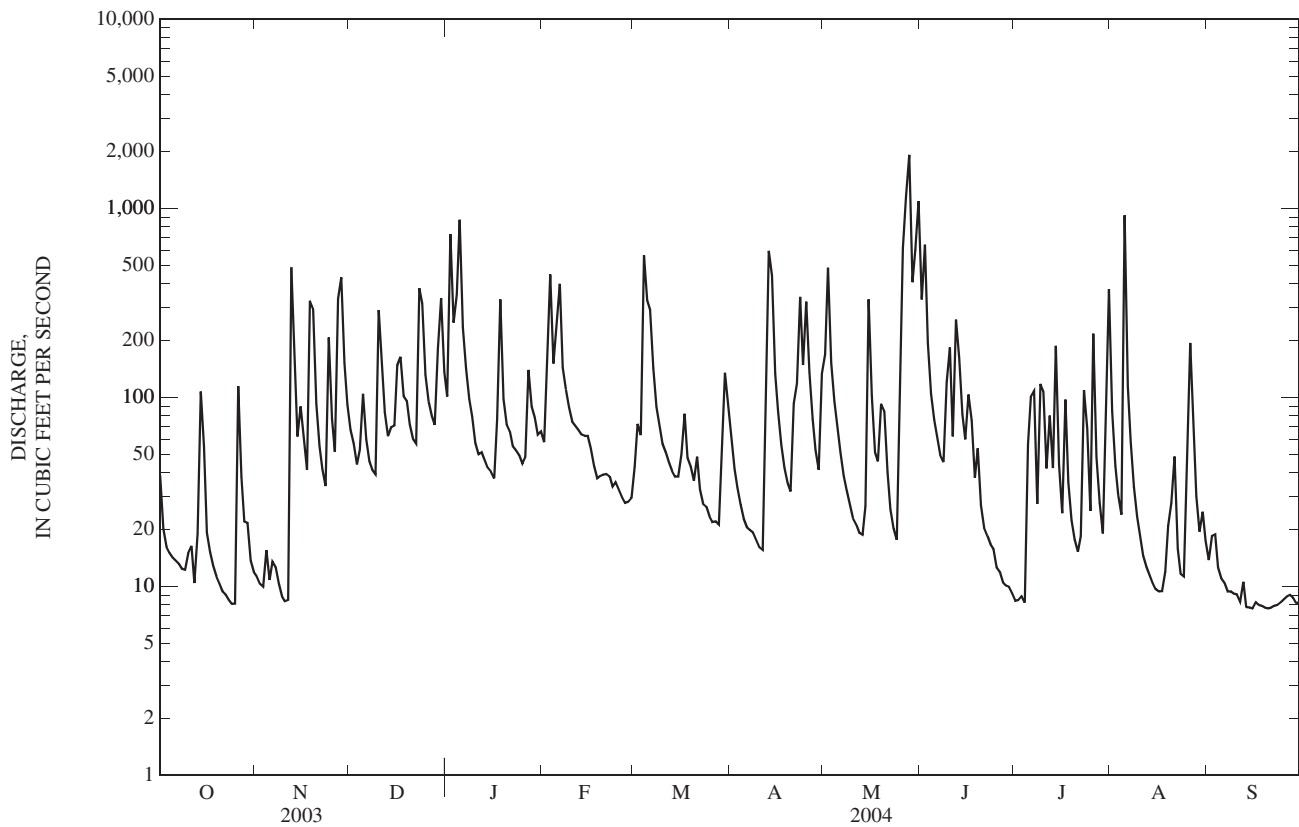
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	29.3	58.9	99.7	132	155	184	132	115	69.2	46.2	35.0	34.6
MAX	117	256	310	614	454	814	551	505	328	282	186	399
(WY)	(1976)	(1974)	(1979)	(1950)	(1989)	(1997)	(1970)	(1983)	(1997)	(1973)	(1992)	(1979)
MIN	1.76	2.60	4.48	8.52	10.1	11.4	21.2	10.6	4.54	2.96	0.78	1.15
(WY)	(1947)	(1945)	(1954)	(1977)	(1954)	(1954)	(2001)	(1954)	(1954)	(1952)	(1945)	(1945)

03302000 POND CREEK NEAR LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	37,702.5		35,945.4		90.7	
ANNUAL MEAN	103		98.2		159	
HIGHEST ANNUAL MEAN					11.4	
LOWEST ANNUAL MEAN					7,200	
HIGHEST DAILY MEAN	1,570	Jan 1	1,920	May 28	0.10	Mar 2, 1997
LOWEST DAILY MEAN	8.1	Oct 24	7.7	Sep 15	0.19	Sep 3, 1945
ANNUAL SEVEN-DAY MINIMUM	9.2	Oct 19	7.8	Sep 17	8,020	Sep 17, 1945
MAXIMUM PEAK FLOW			3,270	May 28	25.74	Mar 9, 1964
MAXIMUM PEAK STAGE			18.19	May 28	0.10	Mar 2, 1997
INSTANTANEOUS LOW FLOW					1.42	Sep 3, 1945
ANNUAL RUNOFF (CFSM)	1.61		1.53		19.25	
ANNUAL RUNOFF (INCHES)	21.91		20.89		190	
10 PERCENT EXCEEDS	220		247		27	
50 PERCENT EXCEEDS	46		45		6.0	
90 PERCENT EXCEEDS	13		9.4			

e Estimated



03302030 POND CREEK AT PENDELTON ROAD NEAR LOUISVILLE, KY

LOCATION.--Lat 38°03'15", long 85°52'18", Jefferson County, Hydrologic Unit 05140102, at bridge on Pendleton Road near Louisville, 1.3 mi above Brier Creek and at mile 7.1.

DRAINAGE AREA.--80.3 mi².

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

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

REMARKS.--Records good except those 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)
May 28	0605	*3,880	*18.51				

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	44	18	e80	101	71	34	98	275	e535	15	125	26
2	29	17	e66	1,150	292	63	65	886	3,110	15	58	24
3	22	15	e52	359	1,390	108	50	255	e398	15	39	42
4	20	18	e55	389	273	2,190	42	128	e153	15	31	24
5	17	20	e165	2,700	370	602	35	91	e109	39	1,550	21
6	16	15	e68	e411	1,090	859	32	68	85	117	187	18
7	15	21	e52	e203	312	252	30	52	68	204	88	17
8	15	15	e45	e129	e163	260	28	42	60	45	54	16
9	14	13	e46	e94	e121	812	26	36	79	88	38	15
10	18	11	e480	e67	e101	1,200	23	32	347	357	32	15
11	19	11	221	e62	e94	898	21	29	85	57	26	14
12	14	791	95	e64	e86	253	58	27	272	132	22	15
13	13	523	66	e59	e75	58	899	25	305	70	20	15
14	138	91	66	53	58	52	995	28	114	266	19	13
15	118	105	70	49	53	47	219	495	75	70	17	12
16	36	103	145	42	44	146	185	182	104	39	16	12
17	25	58	212	58	41	110	e72	74	136	99	16	12
18	23	336	111	472	39	e80	e53	56	57	54	15	11
19	20	677	101	185	37	54	e43	121	66	32	32	11
20	18	e117	73	95	38	55	e38	141	45	26	23	e11
21	17	e65	57	73	36	81	100	63	33	22	82	e11
22	16	e48	52	70	32	52	182	42	30	35	30	e11
23	14	e38	428	54	29	44	507	33	28	111	19	e11
24	14	e365	623	49	29	41	253	28	27	153	19	e11
25	13	e105	162	46	27	37	506	27	23	38	78	e12
26	140	e69	103	128	25	34	231	895	21	260	304	12
27	69	e469	80	411	24	33	110	1,990	19	65	180	12
28	35	e810	68	150	24	32	75	3,180	18	38	60	12
29	34	e189	139	101	23	57	57	e586	17	27	39	11
30	25	e107	556	88	---	193	149	e687	16	38	39	11
31	19	---	157	85	---	156	---	e1,790	---	658	34	---
TOTAL	1,030	5,240	4,694	7,997	4,997	8,893	5,182	12,364	6,435	3,200	3,292	458
MEAN	33.2	175	151	258	172	287	173	399	214	103	106	15.3
MAX	140	810	623	2,700	1,390	2,190	995	3,180	3,110	658	1,550	42
MIN	13	11	45	42	23	32	21	25	16	15	15	11

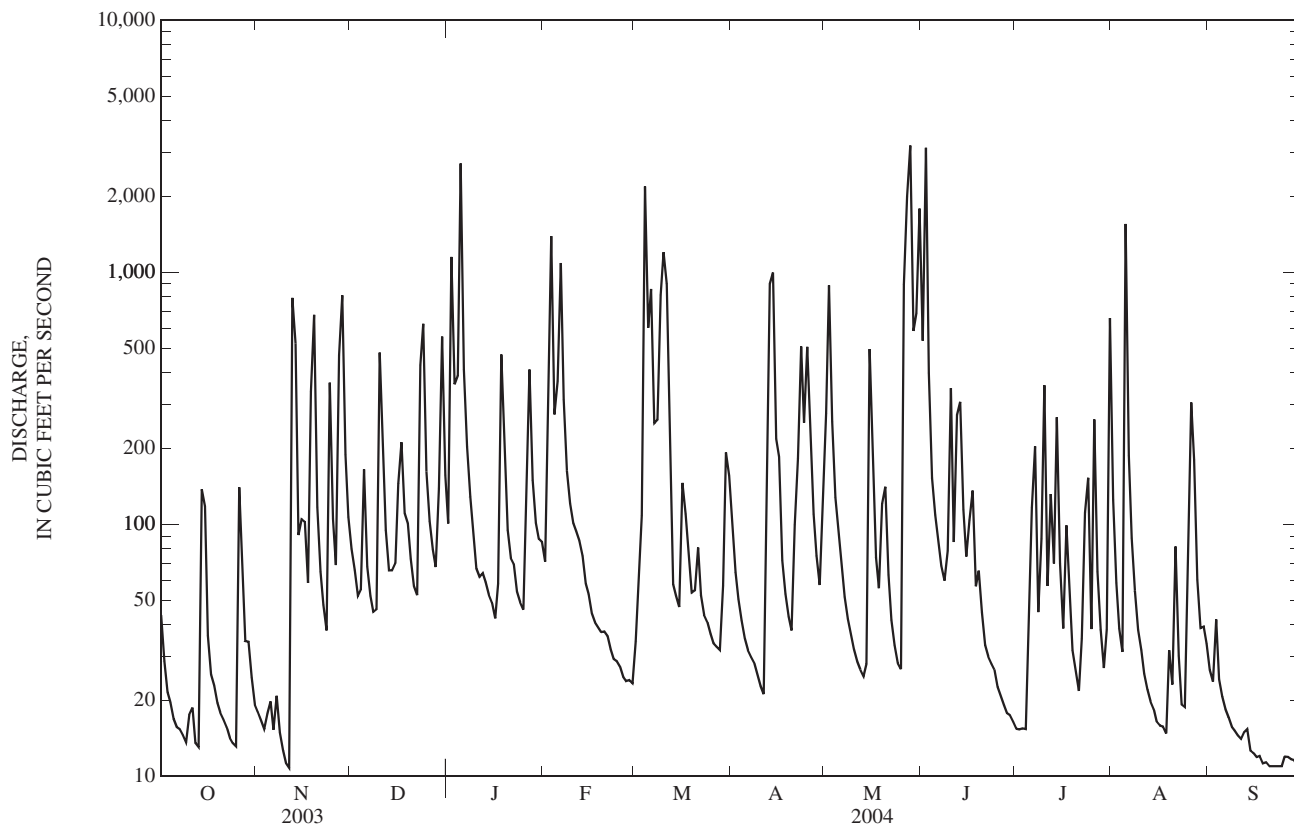
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	67.1	104	180	248	193	205	156	196	100	42.7	41.0	78.6
MAX	131	189	302	440	315	451	287	399	214	103	106	169
(WY)	(2003)	(2002)	(2003)	(1999)	(2003)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2003)
MIN	26.9	21.3	100	44.0	104	84.8	33.0	23.4	22.0	12.8	11.6	15.3
(WY)	(2001)	(2000)	(2000)	(2001)	(2002)	(2001)	(2001)	(2000)	(2001)	(2002)	(2002)	(2004)

03302030 POND CREEK AT PENDELTON ROAD NEAR LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	54,559		63,782		136	
ANNUAL MEAN	149		174		60.9	
HIGHEST ANNUAL MEAN					176	
LOWEST ANNUAL MEAN					60.9	
HIGHEST DAILY MEAN	2,480	Jan 1	3,180	May 28	6,220	Jan 4, 2000
LOWEST DAILY MEAN	10	Jul 28	11	Nov 10	1.7	Jul 17, 2001
ANNUAL SEVEN-DAY MINIMUM	14	Jun 30	11	Sep 18	4.1	Jul 11, 2001
MAXIMUM PEAK FLOW			3,880		10,500	
MAXIMUM PEAK STAGE			18.51		19.82	
10 PERCENT EXCEEDS	373		416		260	
50 PERCENT EXCEEDS	52		57		38	
90 PERCENT EXCEEDS	15		15		11	

e Estimated



03302050 BRIER CREEK AT PENDLETON ROAD NEAR LOUISVILLE, KY

LOCATION.--Lat 38°02'52", long 85°51'26", Jefferson County, Hydrologic Unit 05140102, at bridge on Pendleton Road, 0.4 mi below Headley Hollow, 10 miles south of Louisville, and at mile 1.64

DRAINAGE AREA.--4.01 mi².

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 360 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	1540	424	3.98	May 28	0145	*3,330	*7.47
Mar 4	0230	720	4.66	Jun 2	0145	413	3.95
May 27	0105	933	5.04				

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	e1.7	1.2	5.3	7.1	4.4	1.5	7.7	6.9	39	0.09	2.2	0.11
2	e0.95	1.2	4.1	48	25	1.5	6.4	25	74	0.09	0.68	0.11
3	e0.70	1.1	3.4	22	52	4.3	5.5	13	10	0.08	0.37	0.11
4	e0.65	1.1	3.5	41	19	109	4.6	7.9	4.5	0.08	0.25	0.10
5	e0.55	1.2	3.9	57	27	36	4.0	5.5	2.3	1.3	28	0.09
6	e0.49	1.2	3.4	18	39	35	3.6	3.9	1.3	0.83	1.8	0.08
7	e0.42	1.2	3.0	10	19	16	3.3	2.7	0.83	0.61	0.61	0.08
8	0.36	1.0	2.8	7.6	11	9.7	3.0	1.8	0.62	0.22	0.34	0.09
9	0.38	0.96	2.6	6.3	8.3	7.2	2.5	1.2	1.9	5.1	0.23	0.09
10	0.42	0.93	11	4.9	6.7	5.5	2.1	0.91	1.5	2.2	0.18	0.06
11	0.44	0.95	8.2	4.4	5.5	4.8	1.9	0.67	0.63	0.37	0.13	0.06
12	0.47	39	5.7	4.2	4.8	4.1	4.6	0.53	12	7.8	0.11	0.05
13	0.55	9.5	4.7	3.7	4.1	3.5	53	0.49	7.0	4.3	0.09	0.05
14	3.0	4.4	4.5	3.4	3.8	3.4	43	0.57	2.6	7.0	0.07	0.05
15	1.3	4.5	4.2	3.0	3.4	3.1	17	12	1.1	0.93	0.06	0.04
16	0.84	3.8	7.9	2.6	2.8	5.3	9.9	4.5	1.5	0.46	0.05	0.04
17	0.73	3.1	8.2	3.4	2.6	4.4	6.9	2.3	1.7	0.30	0.05	0.04
18	0.67	20	7.0	13	2.3	3.7	5.2	1.4	1.9	0.21	0.05	0.03
19	0.59	16	6.2	8.0	2.3	3.2	4.2	16	1.0	0.15	0.04	0.03
20	0.52	6.9	5.0	5.9	2.2	7.7	3.6	14	0.61	0.12	0.06	0.03
21	0.50	4.8	4.4	5.2	1.8	9.6	5.8	5.1	0.45	0.10	0.09	0.03
22	0.50	3.7	4.0	4.5	1.5	6.5	7.0	3.0	0.38	0.41	0.05	0.02
23	0.51	3.0	24	3.7	1.4	5.5	26	1.7	0.33	0.47	0.04	0.02
24	0.47	13	24	3.5	1.4	4.9	16	1.1	0.24	0.31	0.04	0.02
25	0.46	6.4	11	3.4	1.2	4.3	23	0.90	0.21	0.19	3.4	0.02
26	2.6	4.7	7.3	8.1	1.1	3.9	14	17	0.17	0.82	8.1	0.02
27	1.7	22	5.7	13	1.0	3.6	8.5	173	0.13	0.30	1.4	0.02
28	1.4	33	4.8	7.7	0.94	3.4	5.8	e540	0.12	0.19	0.39	0.02
29	1.3	13	11	6.6	0.92	5.1	4.3	e17	0.11	0.13	0.23	0.02
30	1.1	7.8	17	6.0	---	8.5	8.9	e66	0.09	0.42	0.19	0.02
31	1.2	---	9.3	5.0	---	9.2	---	89	---	19	0.14	---
TOTAL	27.47	230.64	227.1	340.2	256.46	333.4	311.3	1,035.07	168.22	54.58	49.44	1.55
MEAN	0.89	7.69	7.33	11.0	8.84	10.8	10.4	33.4	5.61	1.76	1.59	0.05
MAX	3.0	39	24	57	52	109	53	540	74	19	28	0.11
MIN	0.36	0.93	2.6	2.6	0.92	1.5	1.9	0.49	0.09	0.08	0.04	0.02

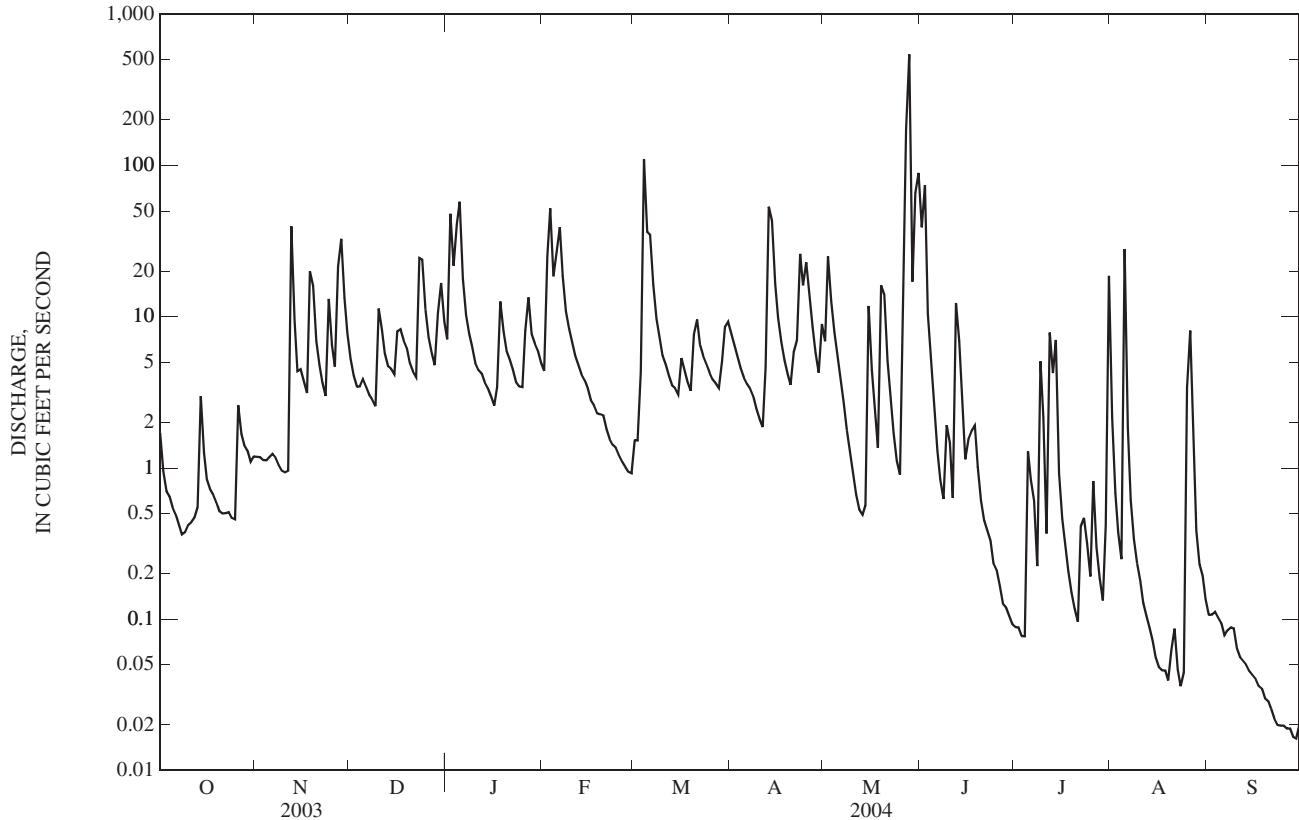
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	1.00	3.85	7.15	11.3	12.5	10.9	9.46	10.1	2.33	0.55	0.42	1.25
MEAN												
MAX	2.29	7.69	14.2	23.2	30.7	25.0	17.2	33.4	5.61	1.76	1.59	5.52
(WY)	(2003)	(2004)	(2003)	(2000)	(2000)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2003)
MIN	0.00	0.00	0.68	1.32	5.27	4.19	1.91	1.42	0.26	0.03	0.02	0.00
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2001)	(2001)	(2000)	(2001)	(2002)	(2002)	(1999)

03302050 BRIER CREEK AT PENDLETON ROAD NEAR LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	2,324.53		3,035.43		6.17	
ANNUAL MEAN	6.37		8.29		8.29	
HIGHEST ANNUAL MEAN					1.76	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	104	Jan 1	540	May 28	685	Feb 18, 2000
LOWEST DAILY MEAN	0.09	Aug 21	0.02	Sep 22	0.00	Aug 21, 1999
ANNUAL SEVEN-DAY MINIMUM	0.17	Aug 15	0.02	Sep 22	0.00	Aug 21, 1999
MAXIMUM PEAK FLOW			3,330	May 28	3,330	May 28, 2004
MAXIMUM PEAK STAGE			7.47	May 28	7.61	Feb 18, 2000
10 PERCENT EXCEEDS	14		17		11	
50 PERCENT EXCEEDS	2.6		2.8		1.1	
90 PERCENT EXCEEDS	0.35		0.09		0.05	

e Estimated



03302110 OTTER CREEK AT OTTER CREEK PARK NEAR ROCK HAVEN, KY

LOCATION.--Lat 37°56'37", long 86°01'47", Meade County, Hydrologic Unit 05140104, at downstream side of bridge on Highway 1638, 1.4 mi east of Rock Haven, and at mile 3.3.

DRAINAGE AREA.--99.2 mi².

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

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 440.037 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 3,900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 30	1117	*6,020	*8.24				
						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	37	27	164	184	107	64	110	285	932	55	119	27
2	35	26	128	887	272	73	101	1,030	576	54	71	26
3	32	25	111	550	1,050	69	93	591	391	52	54	32
4	32	25	108	382	433	96	85	357	297	52	46	27
5	30	25	119	887	480	292	79	259	244	55	76	25
6	28	25	115	411	887	754	73	199	204	59	48	24
7	27	26	101	277	476	311	72	164	174	52	42	23
8	26	25	95	222	303	203	71	141	144	49	39	22
9	25	25	90	189	246	166	65	125	374	45	37	22
10	26	24	158	158	209	136	60	111	581	45	35	22
11	27	24	157	140	179	121	59	101	185	54	34	22
12	28	359	116	131	159	110	81	91	197	484	33	22
13	26	365	105	119	140	98	566	85	203	e167	32	21
14	52	130	105	110	131	95	812	84	142	e121	31	21
15	51	102	99	103	121	90	411	277	122	84	29	21
16	36	94	184	94	107	94	245	195	141	70	29	21
17	31	80	260	92	100	89	180	125	143	59	28	21
18	29	386	178	173	94	84	148	103	357	53	27	20
19	27	527	155	153	93	77	128	116	155	50	27	19
20	26	215	126	118	94	82	116	233	120	46	29	19
21	24	147	111	109	88	204	151	122	104	43	39	18
22	25	114	107	104	79	120	289	101	93	42	29	19
23	23	94	362	95	77	102	1,150	89	87	104	26	19
24	22	269	555	93	74	94	779	101	79	54	26	19
25	22	163	277	92	68	88	821	124	76	44	25	18
26	47	122	195	255	66	84	552	653	71	43	64	18
27	52	421	160	308	62	81	345	2,310	64	42	50	18
28	40	688	140	178	60	78	246	1,370	61	40	31	18
29	36	353	181	151	59	87	193	715	58	36	29	18
30	32	223	457	135	---	120	343	2,060	56	36	40	19
31	28	---	235	118	---	131	---	1,910	---	323	28	---
TOTAL	982	5,129	5,454	7,018	6,314	4,293	8,424	14,227	6,431	2,513	1,253	641
MEAN	31.7	171	176	226	218	138	281	459	214	81.1	40.4	21.4
MAX	52	688	555	887	1,050	754	1,150	2,310	932	484	119	32
MIN	22	24	90	92	59	64	59	84	56	36	25	18

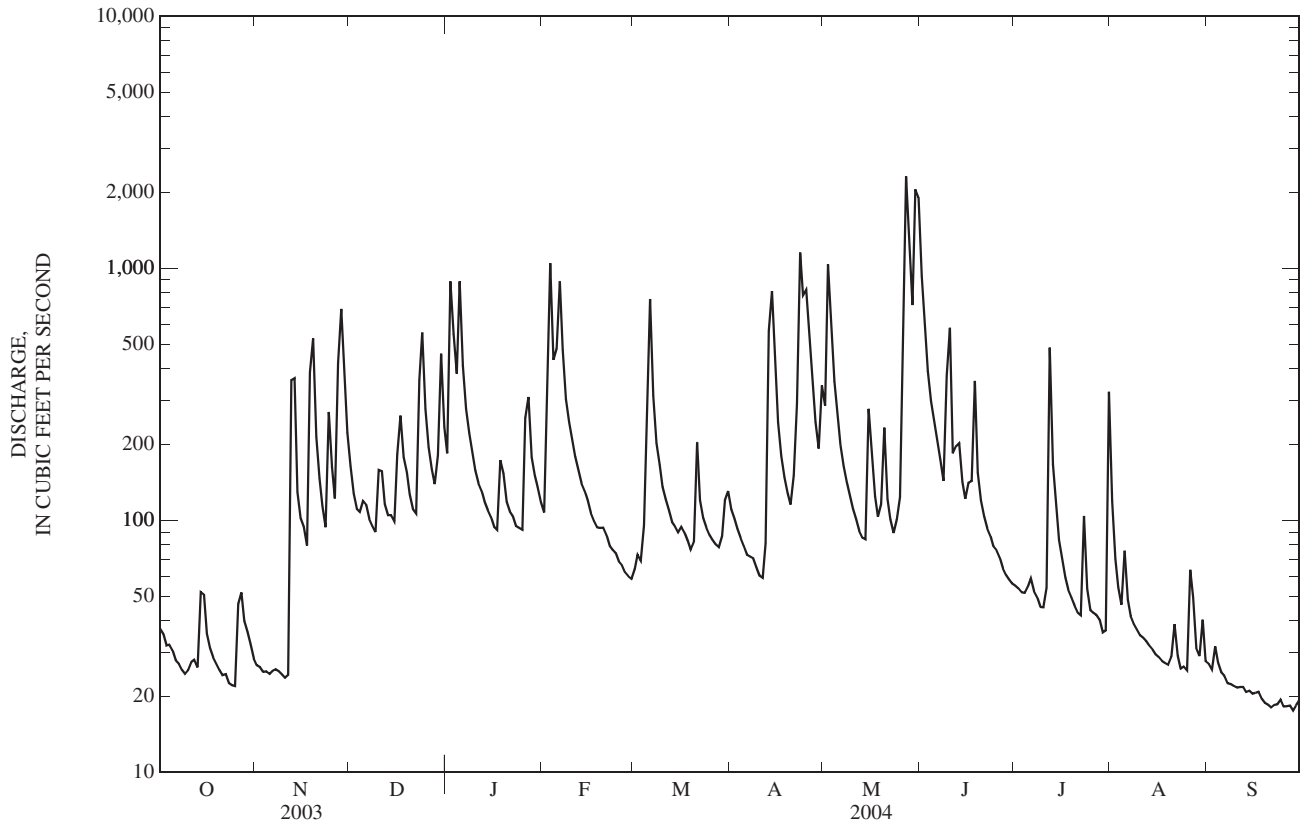
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	53.8	109	209	198	239	211	200	282	93.7	41.9	30.5	54.8
MAX	111	183	351	324	447	509	391	552	214	81.1	50.4	169
(WY)	(2003)	(2002)	(2002)	(1999)	(2003)	(2002)	(2002)	(2002)	(2004)	(2004)	(2000)	(2003)
MIN	15.5	11.9	58.6	33.4	126	130	45.6	46.7	36.1	21.5	10.9	5.82
(WY)	(2001)	(2000)	(2000)	(2001)	(2002)	(2001)	(2001)	(2001)	(2001)	(1999)	(1999)	(1999)

03302110 OTTER CREEK AT OTTER CREEK PARK NEAR ROCK HAVEN, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	64,587		62,679		148	
ANNUAL MEAN	177		171		216	
HIGHEST ANNUAL MEAN					60.3	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	1,800	Jan 1	2,310	May 27	3,590	Mar 26, 2002
LOWEST DAILY MEAN	15	Aug 19	18	Sep 21	4.9	Sep 6, 1999
ANNUAL SEVEN-DAY MINIMUM	18	Aug 15	18	Sep 23	5.4	Sep 10, 1999
MAXIMUM PEAK FLOW			6,020	May 30	8,810	Jan 4, 2000
MAXIMUM PEAK STAGE			8.24	May 30	8.63	Mar 26, 2002
10 PERCENT EXCEEDS	398		383		341	
50 PERCENT EXCEEDS	89		94		56	
90 PERCENT EXCEEDS	26		25		16	

e Estimated



03303205 SINKING CREEK NEAR LODIBURG, KY

LOCATION.--Lat 37°52'06", long 86°23'16", Breckinridge County, Hydrologic Unit 05140104, on bridge located 2.3 miles south of Lodiburg on County Road #86, 0.75 mile downstream from Boiling Spring.

DRAINAGE AREA.--125 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--May 27, 2004 to current year.

GAGE.--Water-stage recorder and four parameter water-quality monitor with telemetry. Datum of gage is 410 ft above NGVD of 1929, (from topographic map).

REMARKS.--Records rated good.

COOPERATION.--Kentucky Department of Agriculture.

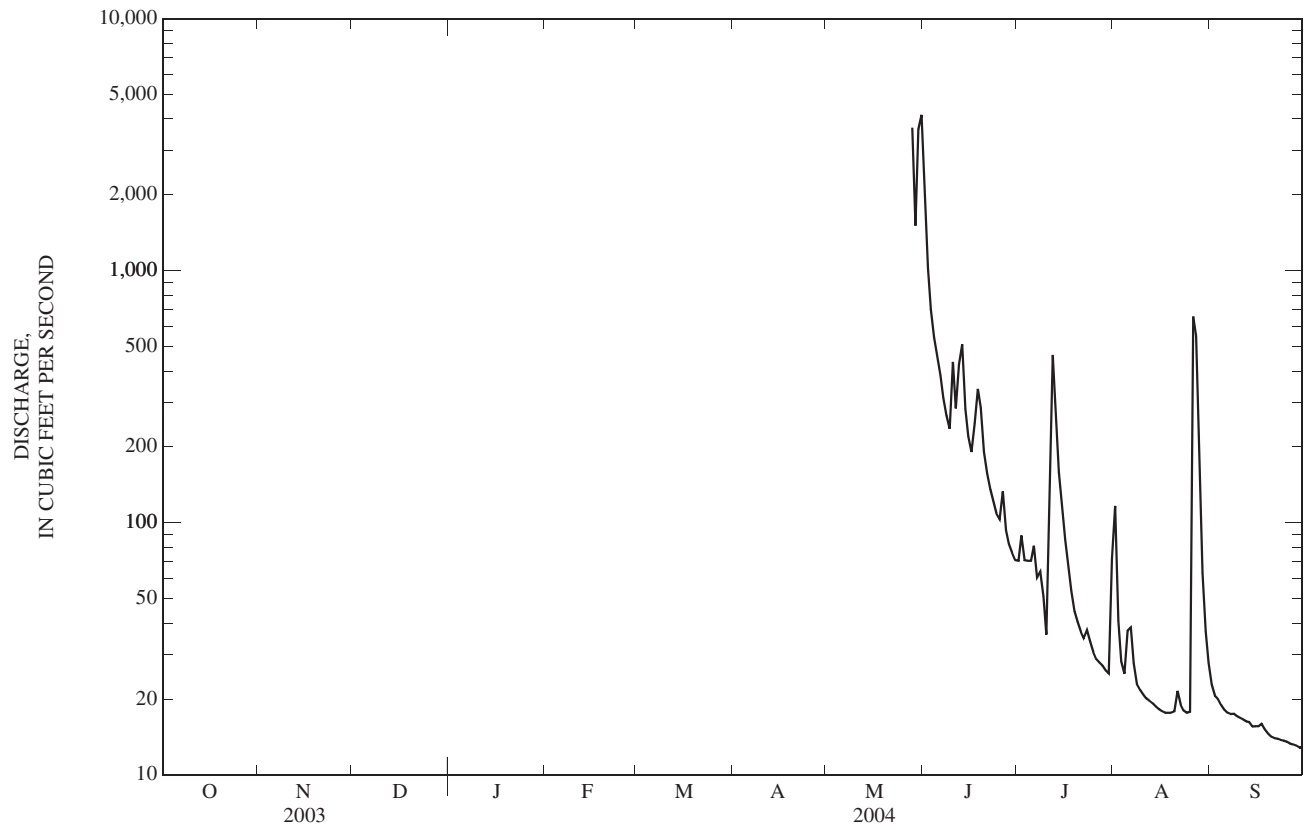
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	2,010	71	116	23
2	---	---	---	---	---	---	---	---	1,030	89	41	21
3	---	---	---	---	---	---	---	---	704	71	28	20
4	---	---	---	---	---	---	---	---	546	71	25	19
5	---	---	---	---	---	---	---	---	454	71	37	18
6	---	---	---	---	---	---	---	---	385	81	38	18
7	---	---	---	---	---	---	---	---	313	61	28	17
8	---	---	---	---	---	---	---	---	266	64	23	17
9	---	---	---	---	---	---	---	---	235	51	22	17
10	---	---	---	---	---	---	---	---	434	36	21	17
11	---	---	---	---	---	---	---	---	284	185	20	17
12	---	---	---	---	---	---	---	---	425	461	20	16
13	---	---	---	---	---	---	---	---	510	261	19	16
14	---	---	---	---	---	---	---	---	283	159	19	16
15	---	---	---	---	---	---	---	---	220	119	18	16
16	---	---	---	---	---	---	---	---	191	85	18	16
17	---	---	---	---	---	---	---	---	247	68	18	16
18	---	---	---	---	---	---	---	---	340	54	18	15
19	---	---	---	---	---	---	---	---	286	45	18	15
20	---	---	---	---	---	---	---	---	191	40	18	14
21	---	---	---	---	---	---	---	---	157	37	22	14
22	---	---	---	---	---	---	---	---	136	35	19	14
23	---	---	---	---	---	---	---	---	121	37	18	14
24	---	---	---	---	---	---	---	---	109	34	18	14
25	---	---	---	---	---	---	---	---	103	31	18	14
26	---	---	---	---	---	---	---	---	133	29	657	13
27	---	---	---	---	---	---	---	---	93	28	550	13
28	---	---	---	---	---	---	---	3,680	82	27	149	13
29	---	---	---	---	---	---	---	1,510	76	26	63	13
30	---	---	---	---	---	---	---	3,630	71	25	37	13
31	---	---	---	---	---	---	---	4,140	---	72	28	---
MEAN	---	---	---	---	---	---	---	---	348	81.4	69.2	16.0
MAX	---	---	---	---	---	---	---	2,010	461	657	23	
MIN	---	---	---	---	---	---	---	71	25	18	13	

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

MEAN	---	---	---	---	---	---	---	---	348	81.4	69.2	16.0
MAX	---	---	---	---	---	---	---	---	348	81.4	69.2	16.0
(WY)	---	---	---	---	---	---	---	---	(2004)	(2004)	(2004)	(2004)
MIN	---	---	---	---	---	---	---	---	348	81.4	69.2	16.0
(WY)	---	---	---	---	---	---	---	---	(2004)	(2004)	(2004)	(2004)

03303205 SINKING CREEK NEAR LODIBURG, KY—Continued



03303205 SINKING CREEK NEAR LODIBURG, KY

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 27, 2004 to current water year.

INSTRUMENTATION.--Four parameter water-quality monitor with telemetry.

REMARKS.--

SPECIFIC CONDUCTANCE.--Records rated good.

PH.--Records rated excellent except for the following periods: July 6, July 17-31 rated good.

WATER TEMPERATURE.--Records rated excellent.

DISSOLVED OXYGEN.--Records rated good.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE.--Maximum recorded, 662 microseimens, Sep. 30; minimum recorded, 174 microseimens, May 30.

PH.--Maximum recorded, 8.3 units, July 9; minimum recorded, 6.7 units, July 31.

WATER TEMPERATURE.--Maximum recorded, 25.1°C, July 19; minimum recorded 14.9°C, June 5.

DISSOLVED OXYGEN.--Maximum recorded, 11.5 mg/L, Sep. 30; minimum recorded, 6.9 mg/L, Sep. 28.

COOPERATION.--Kentucky Department of Agriculture.

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

[illegible]

03303205 SINKING CREEK NEAR LODIBURG, KY—Continued

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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	246	196	224
29	---	---	---	---	---	---	---	---	---	307	246	277
30	---	---	---	---	---	---	---	---	---	310	174	214
31	---	---	---	---	---	---	---	---	---	201	177	190
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	261	201	236	---	---	---	---	---	---	434	415	424
2	290	261	277	---	---	---	568	543	554	446	430	439
3	303	290	297	---	---	---	546	525	534	459	442	450
4	310	303	307	---	---	---	525	512	518	472	455	466
5	314	310	312	---	---	---	514	509	512	486	469	478
6	320	314	317	---	---	---	523	514	519	505	484	492
7	328	320	325	---	---	---	537	522	531	533	499	516
8	334	328	332	---	---	---	537	527	530	551	526	539
9	341	334	338	---	---	---	527	518	521	559	541	552
10	348	288	312	---	---	---	524	516	519	572	553	562
11	300	291	294	---	---	---	541	524	533	575	560	568
12	309	281	300	---	---	---	547	536	541	577	569	573
13	290	276	281	432	370	395	561	545	552	584	575	580
14	297	277	286	384	368	374	570	558	564	589	583	586
15	322	297	310	404	384	394	579	570	575	596	589	592
16	337	322	330	424	404	415	585	579	582	607	596	600
17	340	329	335	---	---	---	590	583	588	620	603	612
18	329	316	322	---	---	---	593	589	591	626	613	620
19	319	308	312	---	---	---	593	591	592	629	618	622
20	---	---	---	---	---	---	602	586	593	633	617	622
21	329	321	325	505	494	501	601	587	597	625	618	621
22	343	329	336	514	500	508	606	601	604	629	624	626
23	352	336	348	522	510	517	608	606	607	633	628	630
24	360	352	356	531	522	527	606	599	605	636	633	634
25	363	357	360	535	531	534	602	597	599	639	636	637
26	369	363	367	544	535	540	---	---	---	646	634	639
27	373	359	363	552	544	549	---	---	---	659	637	646
28	---	---	---	560	552	556	---	---	---	656	649	652
29	---	---	---	566	559	563	---	---	---	660	651	654
30	---	---	---	572	566	569	397	359	380	662	652	657
31	---	---	---	585	568	576	417	394	408	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	662	415	576
YEAR	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated

03303205 SINKING CREEK NEAR LODIBURG, 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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	7.4	7.4	---	---	7.3	7.2	7.2	7.1
2	---	---	---	---	7.4	7.4	---	---	7.3	7.2	7.2	7.1
3	---	---	---	---	7.4	7.3	---	---	7.3	7.2	7.2	7.1
4	---	---	---	---	7.4	7.3	---	---	7.3	7.2	7.2	7.1
5	---	---	---	---	7.3	7.3	---	---	7.2	7.2	7.2	7.2
6	---	---	---	---	7.3	7.3	7.2	7.1	7.3	7.2	7.2	7.1
7	---	---	---	---	7.3	7.3	7.2	7.2	7.3	7.3	7.2	7.1
8	---	---	---	---	7.4	7.3	7.8	7.1	7.3	7.3	7.3	7.2
9	---	---	---	---	7.4	7.4	8.3	7.4	7.3	7.3	7.3	7.1
10	---	---	---	---	7.5	7.3	8.2	7.9	7.3	7.3	7.3	7.1
11	---	---	---	---	7.3	7.2	8.1	7.2	7.3	7.3	7.3	7.3
12	---	---	---	---	7.4	7.3	7.5	7.2	7.3	7.3	7.3	7.3
13	---	---	---	---	7.3	7.2	7.2	7.0	7.3	7.3	7.3	7.3
14	---	---	---	---	7.2	7.2	7.1	7.0	7.3	7.3	7.3	7.3
15	---	---	---	---	7.3	7.2	7.0	7.0	7.3	7.3	7.3	7.3
16	---	---	---	---	7.3	7.3	7.1	7.0	7.3	7.3	7.3	7.3
17	---	---	---	---	7.4	7.2	7.0	7.0	7.3	7.3	7.3	7.3
18	---	---	---	---	7.2	7.1	7.8	7.0	7.3	7.2	7.4	7.3
19	---	---	---	---	7.3	7.1	8.1	7.4	7.3	7.2	7.4	7.3
20	---	---	---	---	7.2	7.1	8.1	6.7	7.2	7.2	7.4	7.3
21	---	---	---	---	7.2	7.2	6.9	6.8	7.3	7.2	7.4	7.3
22	---	---	---	---	7.2	7.2	6.9	6.8	7.3	7.2	7.4	7.3
23	---	---	---	---	7.3	7.2	6.8	6.8	7.3	7.2	7.4	7.3
24	---	---	---	---	7.3	7.3	6.8	6.8	7.3	7.2	7.4	7.3
25	---	---	---	---	7.3	7.2	6.8	6.8	7.3	7.2	7.4	7.3
26	---	---	---	---	7.3	7.2	6.8	6.8	7.4	7.0	7.4	7.3
27	---	---	7.4	7.3	---	---	6.8	6.8	7.2	7.0	7.3	7.2
28	---	---	7.4	7.3	---	---	6.8	6.8	7.2	7.0	7.4	7.3
29	---	---	7.4	7.4	---	---	6.8	6.8	7.1	7.0	7.4	7.3
30	---	---	7.4	7.3	---	---	6.8	6.8	7.1	7.1	7.4	7.3
31	---	---	7.4	7.3	---	---	7.2	6.7	7.1	7.1	---	---
MONTH	---	---	---	---	---	---	---	---	7.4	7.0	7.4	7.1
YEAR	---	---										

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

[illegible]

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

[illegible]

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03303280 OHIO RIVER AT CANNELTON DAM, KY

LOCATION.--Lat 37°53'58", long 86°42'20", Hancock County, Hydrologic Unit 05140201, at Cannelton Dam, 0.7 mi upstream from Indian Creek, 3.3 mi upstream from Lead Creek, and at mile 720.8.

DRAINAGE AREA.--97,000 mi², approximately.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to current year.

GAGE.--Water-stage recorders with telemetry. Datum of headwater gage 0.4 mi upstream is 374.0 ft Ohio River datum. Datum of tailwater gage 0.4 mi downstream is 26.0 ft lower.

REMARKS.--Records good except those below 20,000 ft³/s, which are poor and extreme events, which can be affected by high flows on the Mississippi River. All extreme high flow periods should be scrutinized for this reason. Daily discharge computed from head, gate openings, and lockages furnished by U.S. Army Corps of Engineers, Louisville District. Flow regulated by Ohio River system of locks, dams, and reservoirs upstream from station.

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	142,000	127,000	285,000	231,000	95,200	105,000	205,000	218,000	512,000	75,500	170,000	80,900
2	144,000	121,000	285,000	230,000	83,000	111,000	220,000	241,000	520,000	69,700	142,000	68,900
3	131,000	107,000	283,000	271,000	129,000	115,000	234,000	244,000	517,000	70,600	127,000	58,900
4	106,000	94,400	272,000	e340,000	161,000	152,000	266,000	226,000	504,000	56,400	133,000	53,000
5	96,100	82,900	246,000	448,000	200,000	193,000	290,000	186,000	e451,000	54,200	131,000	37,600
6	83,800	81,800	212,000	508,000	e270,000	234,000	291,000	176,000	e353,000	71,700	126,000	36,300
7	77,500	114,000	190,000	535,000	358,000	274,000	285,000	171,000	e296,000	61,300	124,000	49,200
8	84,900	145,000	182,000	544,000	410,000	e353,000	266,000	154,000	e281,000	66,300	103,000	50,000
9	91,700	155,000	178,000	548,000	446,000	429,000	233,000	132,000	198,000	63,100	84,900	60,300
10	63,500	158,000	179,000	546,000	477,000	455,000	192,000	113,000	163,000	67,900	62,700	159,000
11	54,900	133,000	178,000	538,000	500,000	464,000	167,000	105,000	127,000	56,300	41,600	241,000
12	62,000	121,000	178,000	516,000	505,000	e440,000	157,000	90,700	113,000	72,500	58,600	290,000
13	46,000	175,000	196,000	473,000	e460,000	e353,000	157,000	90,200	151,000	67,000	54,800	291,000
14	53,300	242,000	231,000	e367,000	e369,000	273,000	197,000	104,000	182,000	61,400	44,200	282,000
15	55,200	352,000	254,000	257,000	264,000	234,000	262,000	118,000	203,000	82,200	39,900	273,000
16	79,600	389,000	266,000	225,000	208,000	195,000	e334,000	120,000	219,000	83,300	35,000	201,000
17	122,000	e366,000	262,000	197,000	167,000	169,000	412,000	109,000	227,000	67,900	38,700	139,000
18	116,000	284,000	264,000	180,000	147,000	151,000	459,000	101,000	228,000	88,100	38,800	146,000
19	109,000	239,000	271,000	171,000	127,000	144,000	470,000	102,000	240,000	85,200	39,800	239,000
20	117,000	212,000	269,000	177,000	116,000	154,000	462,000	139,000	227,000	69,000	28,800	316,000
21	103,000	242,000	261,000	193,000	113,000	163,000	e393,000	174,000	214,000	67,600	54,000	420,000
22	93,400	303,000	239,000	197,000	113,000	165,000	281,000	195,000	208,000	71,700	86,500	458,000
23	79,700	418,000	207,000	179,000	130,000	183,000	241,000	209,000	185,000	82,600	119,000	477,000
24	69,200	454,000	195,000	157,000	142,000	202,000	238,000	228,000	152,000	82,200	142,000	475,000
25	75,400	470,000	200,000	138,000	150,000	215,000	248,000	251,000	122,000	72,800	139,000	e440,000
26	72,200	e455,000	211,000	123,000	151,000	219,000	246,000	297,000	118,000	70,000	93,000	e335,000
27	59,300	e380,000	236,000	106,000	146,000	201,000	229,000	e355,000	116,000	58,800	66,100	221,000
28	74,700	279,000	250,000	99,600	137,000	176,000	196,000	e413,000	115,000	84,000	53,000	152,000
29	101,000	277,000	262,000	121,000	124,000	161,000	191,000	451,000	112,000	124,000	65,600	122,000
30	108,000	285,000	257,000	122,000	---	162,000	207,000	464,000	105,000	135,000	60,400	106,000
31	125,000	---	247,000	111,000	---	171,000	---	490,000	---	136,000	96,600	---
TOTAL	2,796,400	7,262,100	7,246,000	8,848,600	6,698,200	7,016,000	8,029,000	6,466,900	7,159,000	2,374,300	2,599,000	6,278,100
MEAN	90,210	242,100	233,700	285,400	231,000	226,300	267,600	208,600	238,600	76,590	83,840	209,300
MAX	144,000	470,000	285,000	548,000	505,000	464,000	470,000	490,000	520,000	136,000	170,000	477,000
MIN	46,000	81,800	178,000	99,600	83,000	105,000	157,000	90,200	105,000	54,200	28,800	36,300

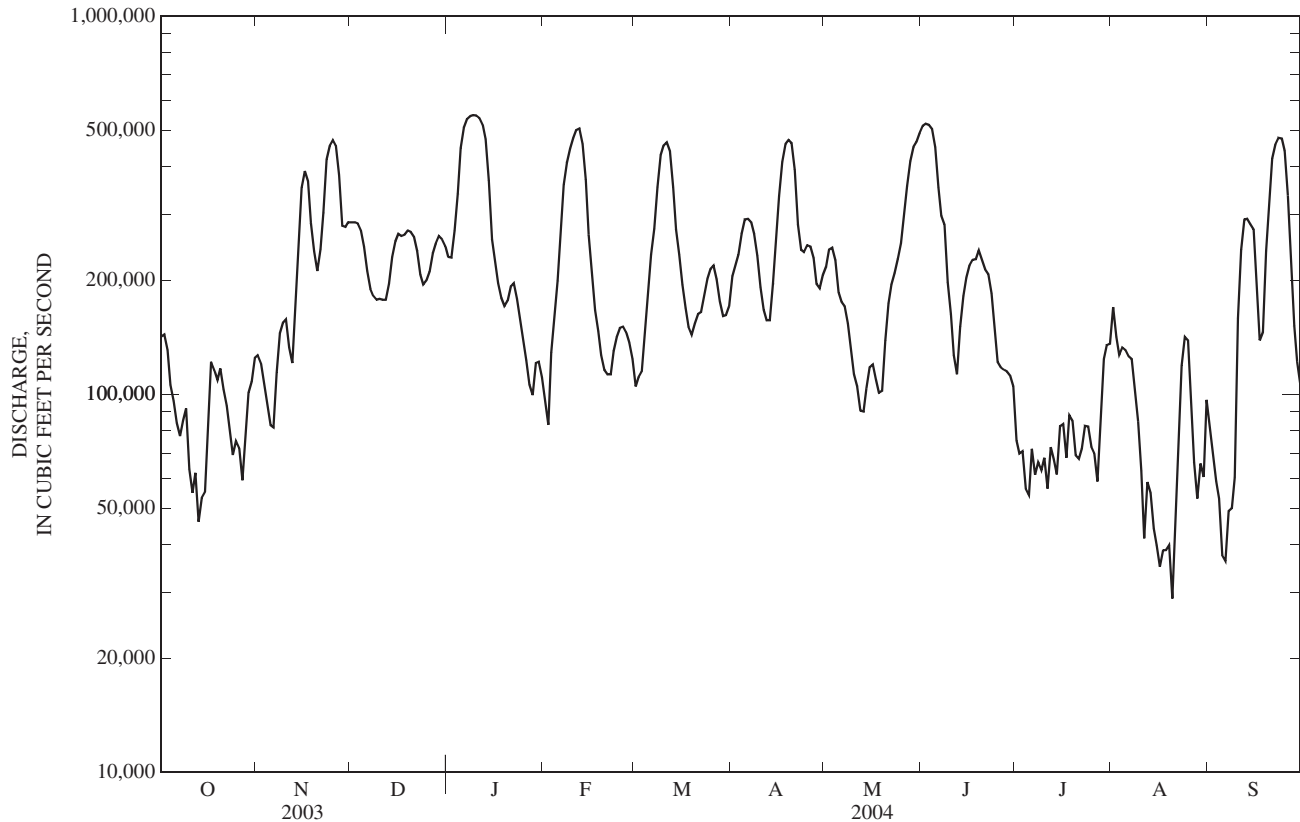
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

	MEAN	56,690	94,380	155,000	165,700	205,000	234,500	204,700	170,500	114,300	68,920	55,780	51,380
MAX	155,800	242,100	334,000	368,700	358,600	443,300	360,400	415,100	238,600	125,500	148,200	209,300	
(WY)	(1980)	(2004)	(1979)	(1991)	(1994)	(1997)	(1994)	(1996)	(2004)	(1998)	(1980)	(2004)	
MIN	13,980	24,350	47,120	36,500	94,740	125,500	72,990	46,020	16,490	18,760	13,130	11,630	
(WY)	(1992)	(1999)	(1999)	(1977)	(1992)	(1983)	(1986)	(1976)	(1988)	(1988)	(1988)	(1999)	

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	68,292,800		72,773,600		131,000	
ANNUAL MEAN	187,100		198,800		198,800	
HIGHEST ANNUAL MEAN					72,150	
LOWEST ANNUAL MEAN					3,180	
HIGHEST DAILY MEAN	475,000	Feb 28	548,000	Jan 9	735,000	Mar 8, 1997
LOWEST DAILY MEAN	35,700	Jan 28	28,800	Aug 20	3,180	Aug 28, 1995
ANNUAL SEVEN-DAY MINIMUM	46,100	Jan 24	37,900	Aug 14	7,650	Jul 12, 1988
MAXIMUM PEAK FLOW			549,000	Jan 9	736,000	Mar 8, 1997
MAXIMUM PEAK STAGE			43.55	Jan 9	52.42	Mar 8, 1997
10 PERCENT EXCEEDS	303,000		423,000		284,000	
50 PERCENT EXCEEDS	164,000		170,000		94,600	
90 PERCENT EXCEEDS	66,200		66,000		23,400	

e Estimated



03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to 1986 and 1996 to current water year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--October 1974 to September 1986 (discontinued).

WATER TEMPERATURES.--October 1974 to September 1986 (discontinued).

REMARKS.--Flow regulated by Ohio River system of locks, dams, and reservoirs.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--Maximum daily recorded, 691 microsiemens, Nov. 14, 1978; minimum daily recorded, 176 microsiemens, Dec. 15, 1978.

WATER TEMPERATURES.--Maximum daily recorded, 30.0°C, July 23, 24, 1977, Aug. 5, 1982, several days in July and August; minimum daily recorded, 0.0°C, on several days during most winter months.

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

Date	Time	Sample type	THIS PAGE IS INTENTIONALLY BLANK									
			Instantaneous discharge, cfs (00061)	Turbidity, wat unit lab. Hach 2100AN NTU (99872)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
NOV												
04...	1400	Environmental	81,100	16	0.083	0.061	9.3	96	7.5	401	16.0	150
04...	1410	Replicate	--	--	--	--	--	--	--	--	--	--
DEC												
16...	1400	Environmental	267,000	65	.072	.054	12.9	105	7.7	328	5.5	130
16...	1408	Field Blank	--	--	--	--	--	--	--	--	--	--
JAN												
08...	1600	Environmental	550,000	250	.100	.077	--	--	7.7	269	5.5	110
14...	1200	Environmental	411,000	120	.085	.065	13.1	102	7.6	283	4.0	120
FEB												
12...	1420	Environmental	473,000	E210	.063	.048	13.3	99	7.3	304	3.0	110
MAR												
09...	1230	Environmental	426,000	96	.078	.059	--	--	7.6	397	8.0	140
09...	1238	Field Blank	--	--	<.004	<.004	--	--	--	--	--	--
25...	1310	Environmental	216,000	44	.051	.038	12.8	110	7.5	322	8.5	120
25...	1320	Replicate	--	49	.054	.041	--	--	--	--	--	120
APR												
16...	1255	Environmental	322,000	63	.070	.052	11.1	--	7.7	340	11.5	130
16...	1303	Field Blank	--	--	--	--	--	--	--	--	--	--
27...	1245	Environmental	219,000	86	.086	.065	9.7	97	7.6	318	15.0	130
MAY												
13...	1440	Environmental	92,500	9.9	.067	.050	9.8	109	7.6	364	20.0	150
25...	1240	Environmental	246,000	98	.084	.063	7.7	93	7.5	393	23.5	160
JUN												
03...	1030	Environmental	518,000	230	.143	.108	6.3	71	7.5	282	21.0	110
JUL												
01...	1230	Environmental	66,900	18	.095	.070	7.7	95	7.4	374	26.0	140
01...	1238	Field Blank	--	--	--	--	--	--	--	--	--	--
AUG												
26...	1230	Environmental	91,800	21	.085	.062	6.7	85	7.4	420	27.0	150
26...	1238	Field Blank	--	--	<.004	<.004	--	--	--	--	--	--
SEP												
23...	1310	Environmental	470,000	--	.149	.111	6.9	78	7.3	226	21.0	76
23...	1320	Replicate	--	340	.148	.110	--	--	--	--	--	77

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)
NOV													
04...	40.3	12.7	3.00	19.5	92	112	27.1	0.2	5.28	58.3	242	0.27	0.35
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
16...	35.6	10.4	2.51	12.6	64	78	16.6	<.2	6.68	48.5	191	.27	.50
16...	0.03	<0.008	<0.16	<0.10	--	--	1.31	<.01	<0.04	<0.01	--	--	--
JAN													
08...	30.4	7.94	2.40	9.48	70	85	14.7	<.2	5.71	35.4	162	.24	1.3
14...	33.3	8.35	2.38	9.98	66	80	14.2	<.2	6.66	39.0	169	.19	.79
FEB													
12...	29.2	8.31	2.21	17.2	46	E55	23.1	<.2	5.73	52.3	183	.32	1.1
MAR													
09...	37.9	10.9	2.38	19.7	67	82	28.2	<.2	5.90	54.8	216	.28	.88
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	31.8	9.64	2.18	16.5	55	67	24.4	<.2	5.37	50.1	190	.19	.39
25...	32.3	9.53	1.82	15.6	56	68	23.5	<.2	5.30	50.3	193	.18	.39
APR													
16...	36.2	10.1	2.11	15.3	71	86	21.3	<.2	5.93	48.8	209	.21	.60
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	36.4	8.91	2.08	12.5	84	102	15.9	<.2	5.91	41.8	190	.19	.68
MAY													
13...	40.4	11.5	2.24	14.3	82	100	19.8	<.2	5.22	52.1	218	.29	.30
25...	42.2	12.1	2.85	18.6	74	90	24.5	.2	4.05	60.2	245	.26	.77
JUN													
03...	30.9	6.86	2.83	8.29	63	77	9.61	<.2	6.26	30.7	155	.33	.97
JUL													
01...	39.2	11.2	2.93	15.1	79	97	18.4	.2	6.49	55.9	228	.20	.31
01...	<.01	<.008	<.008	<.10	--	--	.24	<.01	<.04	<.01	--	--	--
AUG													
26...	40.2	12.1	2.97	22.2	80	98	28.8	.2	5.31	71.0	243	.24	.31
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
23...	22.1	5.06	2.57	7.46	48	59	7.99	<.2	6.25	32.6	133	.25	1.2
23...	22.3	5.04	2.63	7.45	50	60	8.07	<.2	6.31	32.6	130	.26	1.2

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitro- gen, susp, water, mg/L (49570)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)
NOV 04...	<0.04	1.16	0.015	0.09	0.035	0.049	0.078	0.8	<0.1	0.8	3.0	2.9	3.2
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	E.03	1.13	.008	.18	.026	.034	.150	2.1	<.1	2.1	2.5	E1.8	E0.7
16...	<.010	E0.009	<.002	--	<.006	--	--	--	--	--	--	--	--
JAN 08...	<.04	.93	.019	.87	.030	.041	.52	10.2	<.1	10.1	3.8	4.7	2.0
14...	<.04	1.20	.009	.15	.013	.032	.25	1.8	.2	1.7	3.2	1.6	0.8
FEB 12...	.05	.89	E.007	.54	.006	.018	.34	6.3	.3	5.9	2.3	2.8	1.7
MAR 09...	.05	1.23	.015	.44	.027	.040	.40	5.1	.1	4.9	2.9	3.7	3.2
09...	--	--	--	.02	--	--	--	.2	<.1	.2	0.7	--	--
25...	E.02	1.13	.015	.20	.007	.019	.111	2.1	.1	2.0	2.1	1.9	2.5
25...	E.04	1.14	.016	.12	.009	.018	.114	1.6	<.1	1.6	2.1	1.6	2.1
APR 16...	<.04	1.05	.016	.29	.018	.032	.24	3.4	<.1	3.4	2.7	3.7	3.3
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	<.04	1.00	.024	.29	.020	.036	.20	3.4	<.1	3.3	3.3	3.9	3.6
MAY 13...	<.04	1.33	.022	.10	.014	.034	.052	.6	<.1	.5	2.8	2.4	5.8
25...	<.04	1.38	.020	.44	.023	.040	.24	4.1	<.1	4.0	2.6	9.7	7.2
JUN 03...	<.04	1.22	E.004	.57	.038	.055	.43	5.6	<.1	5.5	4.9	4.0	1.4
JUL 01...	<.04	1.66	E.004	.08	.034	.044	.075	.6	<.1	.6	3.2	1.7	2.5
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26...	<.04	1.17	.024	.09	.037	.049	.078	.7	<.1	.7	2.8	3.0	2.6
26...	--	--	--	<.02	--	--	--	<.1	<.1	<.1	E.2	--	--
SEP 23...	<.04	.60	<.008	.82	.018	.027	.41	9.1	.2	8.9	4.8	5.8	1.4
23...	<.04	.59	<.008	.44	.018	.029	.40	5.7	.2	5.4	4.5	6.6	2.2

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Lithium water, fltrd, ug/L (01130)	Selen- ium, water, fltrd, ug/L (01145)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Atra- zine, water, fltrd, ug/L (39632)
NOV													
04...	0.7	57	E5	5.9	<0.4	275	0.5	<0.006	E0.007	0.009	<0.005	<0.005	0.067
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
16...	.5	29	18	3.8	E.3	208	.7	<.006	E.013	.013	<.005	<.005	.070
16...	<.2	<8	<6	<0.6	<.4	<0.40	<.1	--	--	--	--	--	--
JAN													
08...	.5	22	22	2.6	E.3	145	.5	<.006	E.014	.013	<.005	<.005	.051
14...	.5	24	19	2.3	E.3	159	.4	<.006	E.012	.015	<.005	<.005	.034
FEB													
12...	.3	23	20	3.7	E.2	156	.3	<.006	E.006	E.005	<.005	<.005	.019
MAR													
09...	.5	35	12	5.2	E.4	212	.5	<.006	E.008	.009	.008	<.005	.044
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	.3	28	10	3.8	E.4	178	1.1	<.006	E.008	.011	<.005	<.005	.035
25...	.3	28	9	3.8	.4	178	1.1	<.006	E.009	.011	<.005	<.005	.036
APR													
16...	.4	29	8	3.6	E.4	189	.5	<.006	E.009	<.010	<.005	<.005	.096
16...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	<.007
27...	.6	32	8	3.3	E.2	188	.5	<.006	E.015	.029	<.005	<.005	.390
MAY													
13...	.5	36	E6	4.6	E.3	228	.7	<.006	E.022	.101	.007	<.005	.673
25...	.8	42	<6	5.7	.5	240	.7	<.006	E.112	.341	.021	<.005	3.42
JUN													
03...	.6	27	12	2.6	E.2	131	.7	<.006	E.116	.164	.009	<.005	1.34
JUL													
01...	.7	44	E4	4.7	<.4	245	.8	<.006	E.086	.130	.009	<.005	.908
01...	<.2	<8	<6	<.6	<.4	<.40	<.1	--	--	--	--	--	--
AUG													
26...	.9	68	E5	7.4	.7	241	.8	<.006	E.021	.043	<.005	<.005	.203
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
23...	.5	36	19	2.7	<.4	104	.5	<.006	<.006	<.006	<.005	<.005	.034
23...	.6	35	23	2.7	E.3	104	.6	<.006	E.007	<.006	<.005	<.005	.031

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)
NOV 04...	<0.050	<0.010	<0.004	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	E0.004	<0.009	<0.02	<0.007
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	<.050	<.010	<.004	E.006	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 08...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
14...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
FEB 12...	<.050	<.010	<.004	E.011	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
MAR 09...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.050	<.010	<.004	E.005	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
25...	<.050	<.010	<.004	E.005	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
APR 16...	<.050	<.010	<.004	E.006	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
16...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
27...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
MAY 13...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
25...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
JUN 03...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	E.002	<.005	<.009	<.02	<.004
JUL 01...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.011
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 23...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.044
23...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.005

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)
NOV 04...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.015	0.017	<0.006	<0.003	<0.007	<0.003	<0.010
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.014	.008	<.003	<.007	<.003	<.010
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 08...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.016	<.010	<.003	<.007	<.003	<.010
14...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.017	<.006	<.003	<.007	<.003	<.010
FEB 12...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	E.008	<.006	<.003	<.007	<.003	<.010
MAR 09...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.015	<.006	<.003	<.007	<.005	<.010
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.018	<.006	<.003	<.007	<.003	<.010
25...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.018	<.006	<.003	<.007	<.003	<.010
APR 16...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.018	<.006	<.003	<.007	<.003	<.010
16...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
27...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.036	<.010	<.003	<.007	<.003	<.010
MAY 13...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.105	<.010	<.003	<.007	<.003	<.010
25...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.486	.021	<.003	<.007	<.003	<.010
JUN 03...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.284	.011	<.003	<.007	<.003	<.010
JUL 01...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.268	.007	<.003	<.007	<.003	<.010
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	.044	<.006	<.003	<.007	<.003	<.010
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 23...	<.009	<.006	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010
23...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)
NOV 04...	<0.004	<0.022	<0.011	0.01	<0.004	<0.025	<0.011	<0.02	0.031	<0.02	<0.034	<0.02	<0.010
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 16...	<.004	<.022	<.011	M	<.004	<.025	<.011	<.02	.020	<.02	<.034	<.02	<.010
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 08...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.044	<.02	<.034	<.02	<.010
14...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.025	<.02	<.034	<.02	<.010
FEB 12...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.011	<.02	<.034	<.02	<.010
MAR 09...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.014	<.02	<.034	<.02	<.010
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.008	<.02	<.034	<.02	<.010
25...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.008	<.02	<.034	<.02	<.010
APR 16...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.024	<.02	<.034	<.02	<.010
16...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010
27...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.112	<.02	<.034	<.02	<.010
MAY 13...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.061	<.02	<.034	<.02	<.010
25...	<.004	<.022	<.011	E.02	<.004	<.025	<.011	<.02	.381	<.02	<.034	<.02	<.010
JUN 03...	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	.218	E.02	<.034	<.02	<.010
JUL 01...	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	.145	<.02	<.034	<.02	<.010
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26...	<.004	<.022	<.011	.02	<.006	<.025	<.011	<.02	.018	<.02	<.034	<.02	<.010
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 23...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.013	<.02	<.034	<.02	<.010
23...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.008	<.02	<.034	<.02	<.010

03303280 OHIO RIVER AT CANNELTON DAM, KY—Continued

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

Date	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV				
04...	<0.002	<0.009	100	17
04...	--	--	100	18
DEC				
16...	<.002	<.009	90	93
16...	--	--	--	--
JAN				
08...	<.002	<.009	80	416
14...	<.002	<.009	87	167
FEB				
12...	<.002	<.009	87	328
MAR				
09...	<.002	<.009	97	272
09...	--	--	--	--
25...	<.002	<.009	90	81
25...	<.002	<.009	95	75
APR				
16...	<.002	<.009	74	179
16...	<.002	<.009	--	--
27...	<.002	<.009	94	67
MAY				
13...	<.002	<.009	95	12
25...	<.002	<.009	94	180
JUN				
03...	<.002	<.009	92	332
JUL				
01...	<.002	<.009	99	16
01...	--	--	--	--
AUG				
26...	<.002	<.009	98	22
26...	--	--	--	--
SEP				
23...	<.002	<.009	92	502
23...	<.002	<.009	92	495

E--Laboratory estimated value.

M--Presence of material verified but not quantified.

<--Numeric result is less than the value shown.