

03287580 NORTH ELKHORN CREEK AT BRYANT ROAD NEAR CADENTOWN, KY

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

DRAINAGE AREA.--2.20 mi².

PERIOD OF RECORD.--October 1997 to August 2005.

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

REMARKS.--Records fair except for those below 2.0 ft³/s and those estimated, which are poor. Gage removed Aug. 9, 2005 for road construction.

COOPERATION.--Lexington-Fayette County Urban Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0235	*137	*4.65	Dec 7	0825	75	3.14
Oct 24	0510	57	2.71	Jan 8	0110	70	3.01
Nov 4	0510	70	3.00	Jul 19	1735	89	3.49
Nov 30	1645	84	3.37				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.69	11	27	6.4	3.0	3.0	7.2	2.3	0.45	0.21	0.21	---
2	0.70	15	9.2	4.9	2.9	2.7	12	1.2	0.44	0.16	0.26	---
3	0.68	12	5.8	5.2	3.3	2.5	6.7	0.88	0.52	0.07	0.11	---
4	0.63	31	4.4	7.3	2.7	2.5	4.8	0.78	0.52	e0.15	0.12	---
5	0.60	11	3.6	12	1.8	2.4	3.8	0.72	0.42	0.44	0.09	---
6	0.59	5.9	5.1	17	1.6	1.9	3.2	0.70	0.37	0.21	0.07	---
7	0.60	4.0	24	15	1.5	2.8	3.0	0.68	0.32	0.11	0.06	---
8	0.59	3.1	9.4	32	1.6	8.1	2.7	0.62	0.30	0.05	0.05	---
9	0.59	2.7	7.8	10	1.6	5.1	2.4	0.39	0.29	e0.00	0.04	---
10	0.63	2.5	7.4	6.2	1.6	4.1	2.3	0.35	0.31	e0.00	---	---
11	0.64	4.8	5.3	4.8	1.5	3.6	1.9	0.33	0.54	e0.00	---	---
12	0.84	17	4.4	4.3	1.7	3.6	1.3	e0.32	0.48	e0.00	---	---
13	1.6	6.6	3.7	8.5	3.0	3.3	1.4	0.34	0.43	0.92	---	---
14	1.3	4.3	3.2	11	5.7	3.0	1.4	2.0	0.48	1.7	---	---
15	2.3	3.3	2.9	6.5	5.1	2.9	1.1	0.84	0.63	1.1	---	---
16	1.7	2.8	2.7	4.9	4.0	2.7	1.0	0.50	0.38	0.72	---	---
17	1.5	2.6	2.6	3.9	2.8	2.3	0.94	0.40	0.29	4.1	---	---
18	6.6	2.5	2.5	3.1	2.2	3.0	0.95	0.36	0.35	1.9	---	---
19	56	3.0	2.4	3.0	2.1	1.4	0.92	2.6	0.25	15	---	---
20	9.7	2.7	2.4	2.8	2.6	1.7	0.90	7.5	0.17	3.8	---	---
21	5.1	2.5	2.3	2.7	5.6	1.6	0.87	2.8	0.13	1.6	---	---
22	3.5	2.3	3.2	2.6	6.0	2.4	0.87	1.7	0.09	0.98	---	---
23	4.1	2.7	13	2.5	4.2	2.4	1.3	1.8	0.05	0.76	---	---
24	21	7.3	5.3	2.3	3.5	2.3	1.3	1.3	e0.03	0.62	---	---
25	7.0	6.0	4.0	2.2	3.0	2.3	1.1	1.00	e0.01	0.51	---	---
26	4.3	4.4	3.4	2.2	2.7	2.3	1.6	0.82	e0.00	0.43	---	---
27	15	4.1	2.9	2.1	2.5	4.0	2.5	0.75	e0.00	0.37	---	---
28	8.4	5.3	2.7	2.0	2.9	14	2.1	0.67	e0.00	0.33	---	---
29	4.9	4.0	2.6	2.9	---	7.0	3.7	0.58	e0.00	0.27	---	---
30	4.0	25	2.7	3.9	---	4.9	15	0.51	e0.02	0.21	---	---
31	3.1	---	2.6	3.3	---	3.9	---	0.49	---	0.17	---	---
TOTAL	168.88	211.4	180.5	197.5	82.7	109.7	90.25	36.23	8.27	36.89	---	---
MEAN	5.45	7.05	5.82	6.37	2.95	3.54	3.01	1.17	0.28	1.19	---	---
MAX	56	31	27	32	6.0	14	15	7.5	0.63	15	---	---
MIN	0.59	2.3	2.3	2.0	1.5	1.4	0.87	0.32	0.00	0.00	---	---

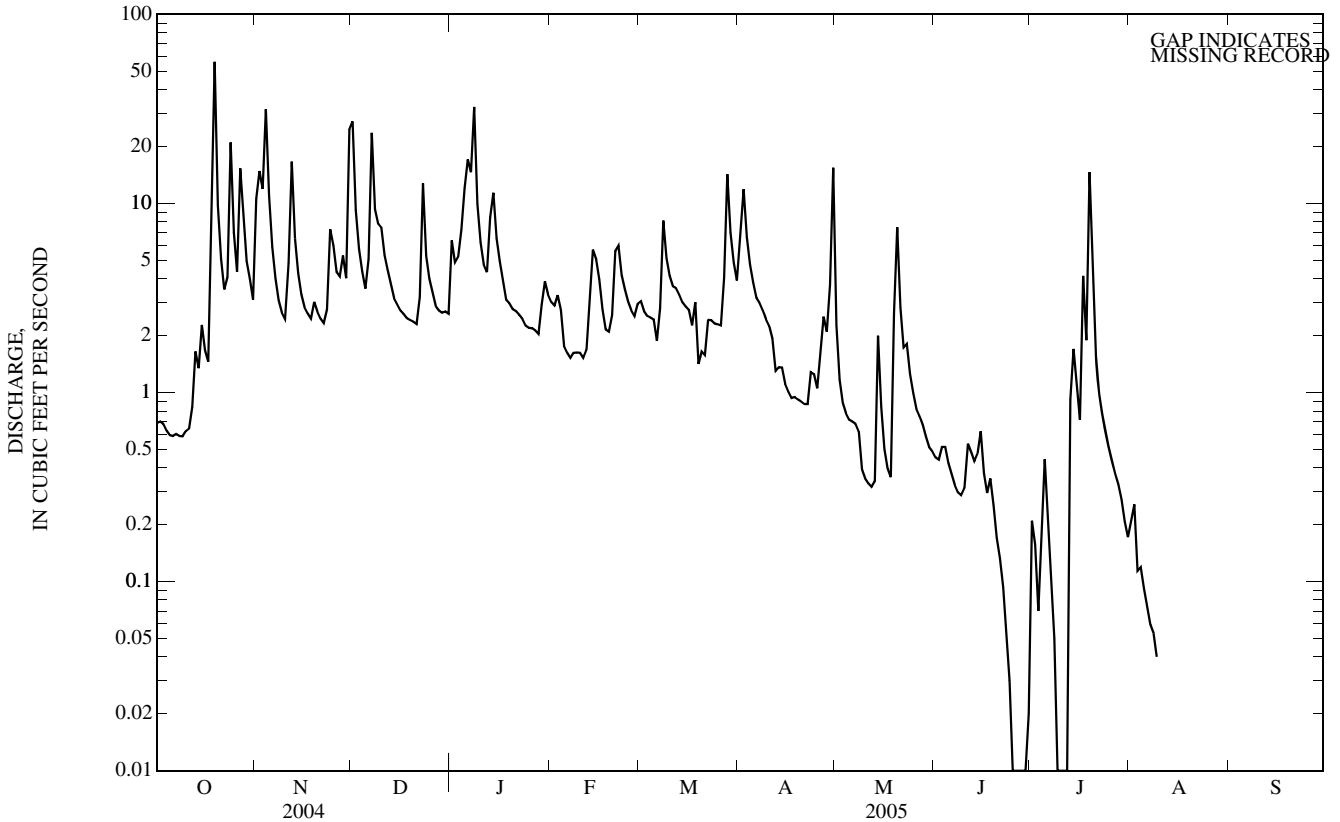
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	1.16	2.71	3.02	3.82	4.86	4.26	2.86	4.02	2.28	1.42	1.09	1.39
MAX	5.45	7.06	6.31	6.37	12.7	7.99	6.19	12.3	7.61	6.20	5.58	4.55
(WY)	(2005)	(2004)	(2003)	(2005)	(2003)	(2002)	(1998)	(2003)	(1998)	(1998)	(2004)	(2003)
MIN	0.00	0.00	0.07	0.25	0.48	2.19	0.73	0.20	0.03	0.02	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2000)	(2002)	(2003)	(2001)	(1999)	(1999)	(1999)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	WATER YEARS 1998 - 2005
ANNUAL TOTAL	1,808.66	
ANNUAL MEAN	4.94	2.65
HIGHEST ANNUAL MEAN		5.05 2003
LOWEST ANNUAL MEAN		0.83 2000
HIGHEST DAILY MEAN	66 May 31	98 Mar 20, 2002
LOWEST DAILY MEAN	0.51 May 14	0.00 Oct 1, 1997
ANNUAL SEVEN-DAY MINIMUM	0.60 Oct 4	0.00 Oct 1, 1997
MAXIMUM PEAK FLOW		281 Jun 29, 1998
MAXIMUM PEAK STAGE		5.11 Jun 29, 1998
INSTANTANEOUS LOW FLOW		0.00 Jul 1, 2001
10 PERCENT EXCEEDS	11	6.0
50 PERCENT EXCEEDS	2.6	0.71
90 PERCENT EXCEEDS	0.86	0.00

e Estimated



03287590 NORTH ELKHORN CREEK AT WINCHESTER ROAD NEAR LEXINGTON, KY

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

DRAINAGE AREA.--4.05 mi².

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

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

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

REMARKS.--Records good except for discharges below 3.0 cfs, above 250 cfs, and those estimated, which are poor.

COOPERATION.--Lexington-Fayette County Urban Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0255	*675	*6.64	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	38	68	20	5.4	5.5	20	13	0.82	1.1	0.12	4.6
2	1.3	46	20	12	5.3	4.5	29	6.6	0.83	0.36	0.16	2.0
3	1.1	29	12	13	6.6	4.1	14	4.6	1.6	0.53	0.11	1.1
4	0.88	97	8.4	20	5.4	4.1	9.4	3.7	0.91	1.00	0.10	0.73
5	0.82	23	6.6	32	3.9	4.1	7.2	3.2	0.73	0.72	0.09	0.54
6	0.76	12	13	51	3.5	3.5	5.6	2.8	0.61	0.37	0.11	0.44
7	0.74	8.7	72	46	3.2	9.9	5.4	2.4	0.56	0.26	0.10	0.40
8	0.72	6.2	19	100	4.1	20	4.8	2.2	0.51	0.22	0.08	0.34
9	0.75	5.1	19	24	3.8	9.9	4.2	1.2	0.50	0.19	0.06	0.33
10	0.80	4.6	15	12	3.6	7.2	3.8	0.89	0.89	0.15	0.05	0.32
11	0.81	20	11	9.2	3.1	6.4	3.4	0.78	0.84	0.14	0.03	0.31
12	4.0	48	8.5	7.5	3.1	7.0	3.6	0.74	0.87	0.61	0.01	0.35
13	3.6	15	6.9	28	9.9	5.6	4.5	0.78	0.82	8.5	0.67	0.28
14	2.0	9.2	5.4	32	16	4.8	3.2	20	2.6	5.7	0.23	0.35
15	3.9	6.7	4.8	13	12	4.3	2.4	6.1	1.2	2.4	0.08	0.34
16	1.7	5.4	4.5	8.7	7.8	4.0	2.1	2.7	0.57	1.2	2.6	1.1
17	1.3	4.7	4.2	e6.2	5.6	3.7	1.9	1.9	0.40	17	0.49	0.57
18	28	4.4	3.8	e5.4	4.2	4.4	1.7	1.5	0.35	5.8	0.21	0.41
19	e150	7.5	3.7	4.8	3.9	3.8	1.8	14	0.33	52	3.2	0.37
20	e22	5.4	3.6	4.6	5.7	3.8	1.7	21	0.27	8.5	0.80	0.40
21	13	4.6	3.5	4.7	14	2.8	1.7	5.8	0.22	2.5	0.25	0.42
22	9.6	4.4	8.8	4.5	12	3.5	2.3	3.4	0.19	1.2	0.37	0.34
23	14	6.6	44	e4.3	7.7	4.2	4.5	4.7	0.17	0.78	0.26	0.32
24	58	22	12	e4.0	6.3	3.6	2.8	2.3	0.17	0.56	0.10	0.34
25	16	15	e6.6	e3.8	5.1	3.5	2.2	1.8	0.16	0.42	0.06	0.34
26	9.5	9.7	e5.9	e3.5	4.5	3.2	6.6	1.5	0.16	0.40	2.9	1.4
27	47	10	e4.8	e3.2	4.1	13	5.2	1.3	0.15	0.31	3.4	0.53
28	20	12	e4.4	e3.0	6.5	44	4.6	1.1	0.16	0.25	2.0	0.39
29	11	8.2	e4.1	9.5	---	16	13	0.97	0.40	0.18	30	7.9
30	9.1	85	e3.8	8.8	---	9.7	47	0.88	0.33	0.16	44	1.0
31	6.6	---	4.7	6.5	---	7.1	---	0.82	---	0.14	27	---
TOTAL	439.98	573.4	412.0	505.2	176.3	231.2	219.6	134.66	18.32	113.65	119.64	28.26
MEAN	14.2	19.1	13.3	16.3	6.30	7.46	7.32	4.34	0.61	3.67	3.86	0.94
MAX	150	97	72	100	16	44	47	21	2.6	52	44	7.9
MIN	0.72	4.4	3.5	3.0	3.1	2.8	1.7	0.74	0.15	0.14	0.01	0.28

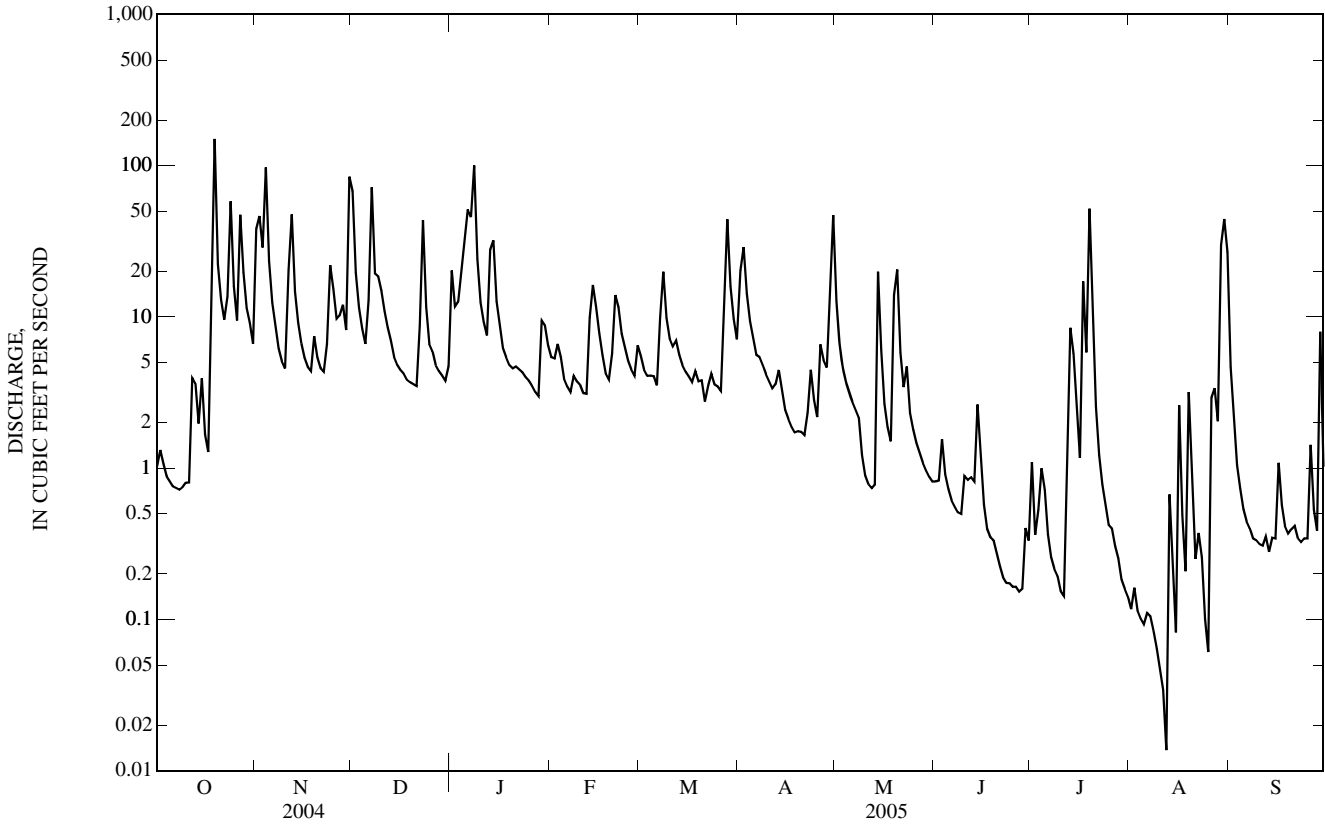
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	3.39	6.76	7.17	9.37	11.4	10.3	6.99	10.4	4.90	4.82	3.43	3.60
MAX	14.2	19.1	13.3	16.3	24.4	21.5	12.3	26.3	15.3	18.6	15.0	11.5
(WY)	(2005)	(2005)	(2005)	(2005)	(2003)	(2002)	(1998)	(2003)	(1998)	(1998)	(2004)	(2004)
MIN	0.33	0.67	1.40	2.25	2.66	5.74	1.49	0.49	0.61	0.24	0.16	0.14
(WY)	(1998)	(2000)	(2000)	(2000)	(2002)	(2003)	(1999)	(1999)	(2005)	(2002)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	4,615.49		2,972.21		6.85	
ANNUAL MEAN	12.6		8.14		3.11	
HIGHEST ANNUAL MEAN					11.2	2004
LOWEST ANNUAL MEAN					3.11	2000
HIGHEST DAILY MEAN	212	May 31	150	Oct 19	357	Jul 20, 1998
LOWEST DAILY MEAN	0.58	Jul 16	0.01	Aug 12	0.00	Oct 5, 1997
ANNUAL SEVEN-DAY MINIMUM	0.77	Oct 5	0.06	Aug 6	0.00	Oct 5, 1997
MAXIMUM PEAK FLOW			675	Oct 19	779	May 30, 2004
MAXIMUM PEAK STAGE			6.64	Oct 19	6.95	May 30, 2004
INSTANTANEOUS LOW FLOW					0.00	Nov 8, 2000
10 PERCENT EXCEEDS	28		20		15	
50 PERCENT EXCEEDS	4.5		3.8		2.2	
90 PERCENT EXCEEDS	1.5		0.27		0.11	

e Estimated



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

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

DRAINAGE AREA.--21.5 mi².

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

REVISIONS.--WDR KY-03-01, peak.

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

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

COOPERATION.--Lexington-Fayette Urban County Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0440	*3,920	*10.26	Nov 30	1855	1,060	5.79
Nov 4	0705	1,100	5.89				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	162	310	99	25	26	83	46	3.3	0.23	0.68	23
2	4.3	187	111	74	24	19	164	17	3.5	0.38	0.20	7.5
3	4.4	154	64	72	31	18	82	10	4.3	0.80	0.11	e4.3
4	4.3	427	43	96	27	18	54	7.9	3.9	3.5	0.12	e3.6
5	4.0	132	28	166	23	18	39	6.8	3.5	3.4	0.11	e3.0
6	3.4	74	55	240	20	16	30	6.4	3.2	3.3	0.10	e2.7
7	3.4	50	277	168	18	28	31	6.0	2.8	2.7	0.09	e2.3
8	3.8	31	106	388	21	104	27	5.8	3.2	1.9	0.06	e2.0
9	3.8	22	92	124	19	52	21	5.6	3.0	1.0	0.04	e1.8
10	4.0	18	83	72	18	36	19	5.3	2.8	0.48	0.02	e1.7
11	3.3	57	59	53	16	31	18	5.0	3.4	0.32	0.01	e1.6
12	6.9	313	44	44	16	32	21	4.6	3.7	1.4	0.00	e2.0
13	16	99	33	89	24	26	26	4.2	4.1	26	0.01	e1.7
14	7.1	58	24	147	58	22	19	e36	8.9	18	0.55	e1.6
15	15	40	20	72	53	19	15	e78	10	12	0.60	e1.4
16	6.1	29	19	50	40	18	14	e22	7.4	8.2	10	e4.4
17	4.8	22	18	35	30	18	14	e14	5.9	37	9.0	e3.2
18	76	19	17	e30	23	17	14	e10	5.2	34	7.0	e1.9
19	1,300	33	16	23	20	19	14	e16	4.4	86	21	e1.4
20	138	20	15	19	24	23	13	e100	3.5	41	11	e1.3
21	66	15	15	19	53	16	13	16	2.9	13	6.2	e1.7
22	40	14	30	18	55	16	13	8.5	2.4	9.3	4.6	e1.4
23	38	23	199	e16	37	20	23	15	1.8	7.5	5.2	e1.3
24	196	99	70	e15	31	17	15	6.5	1.3	6.4	3.9	e1.3
25	82	91	44	e14	25	16	13	5.4	0.90	5.6	3.1	e1.3
26	46	56	31	e13	21	16	27	5.0	0.68	4.9	10	e6.5
27	203	45	23	e12	19	53	23	4.5	0.49	4.1	16	e4.0
28	104	66	e18	e11	28	287	15	4.2	0.32	3.4	8.5	e1.7
29	62	41	e17	e45	---	112	38	3.9	0.22	3.1	58	17
30	49	289	e16	36	---	65	187	3.6	0.15	2.6	138	2.5
31	30	---	e15	29	---	44	---	3.5	---	1.6	112	---
TOTAL	2,528.9	2,686	1,912	2,289	799	1,222	1,085	482.7	101.16	343.11	426.20	111.1
MEAN	81.6	89.5	61.7	73.8	28.5	39.4	36.2	15.6	3.37	11.1	13.7	3.70
MAX	1,300	427	310	388	58	287	187	100	10	86	138	23
MIN	3.3	14	15	11	16	16	13	3.5	0.15	0.23	0.00	1.3

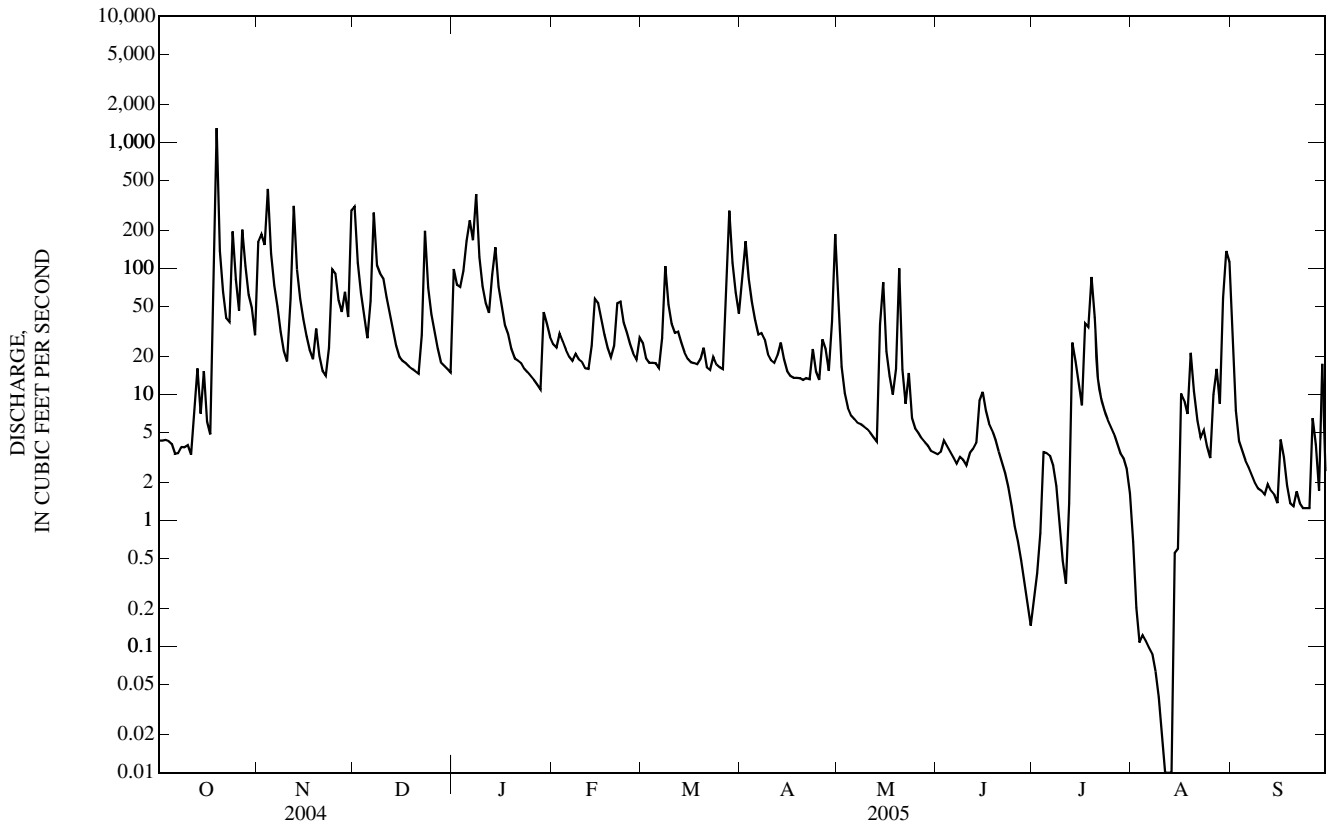
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	16.3	31.6	32.4	41.8	51.4	50.8	33.8	46.4	31.6	18.6	11.8	13.3
MAX	81.6	89.5	62.5	73.8	114	126	57.0	117	118	84.5	57.7	45.0
(WY)	(2005)	(2005)	(2004)	(2005)	(2003)	(2002)	(1998)	(2004)	(1998)	(1998)	(2004)	(2004)
MIN	1.03	2.26	6.78	15.8	13.6	22.7	8.29	4.00	3.22	0.72	1.13	0.01
(WY)	(1998)	(2000)	(2000)	(2000)	(2002)	(2003)	(1999)	(1999)	(2001)	(2002)	(1998)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	22,898.5		13,986.17		34.0	
ANNUAL MEAN	62.6		38.3		16.2	
HIGHEST ANNUAL MEAN					55.6	2004
LOWEST ANNUAL MEAN					16.2	2000
HIGHEST DAILY MEAN	1,380	May 31	1,300	Oct 19	1,830	Jul 20, 1998
LOWEST DAILY MEAN	3.3	Oct 11	0.00	Aug 12	0.00	Oct 8, 1997
ANNUAL SEVEN-DAY MINIMUM	3.7	Oct 5	0.03	Aug 7	0.00	Sep 8, 1998
MAXIMUM PEAK FLOW			3,920	Oct 19	4,310	May 30, 2004
MAXIMUM PEAK STAGE			10.26	Oct 19	10.69	May 30, 2004
INSTANTANEOUS LOW FLOW					0.00	Aug 7, 1999
10 PERCENT EXCEEDS	146		91		74	
50 PERCENT EXCEEDS	20		16		10	
90 PERCENT EXCEEDS	7.3		1.5		0.45	

e Estimated



03288100 NORTH ELKHORN CREEK AT GEORGETOWN, KY

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

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

PERIOD OF RECORD.--December 1992 to September 30, 2005 (discontinued).

GAGE.--Water-stage recorder with telemetry. Datum of gage is 784.728 ft above NGVD of 1929. Prior to Oct. 1, 1994 at datum 3.40 ft. lower.

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

COOPERATION.--City of Georgetown.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 20	0500	*4,840	*9.37	Dec 1	0900	2,920	7.74
Nov 4	1000	2,820	7.67				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	392	2,310	215	204	164	312	457	21	3.9	3.6	221
2	23	855	1,060	440	190	146	620	235	19	3.3	3.1	110
3	21	1,050	634	991	197	130	541	170	e17	3.1	3.0	63
4	18	2,000	401	969	204	126	364	136	e17	3.1	2.8	34
5	e16	1,280	292	1,270	191	127	273	116	e16	2.8	3.9	19
6	e14	691	260	1,400	176	124	210	103	e15	2.6	5.8	14
7	e13	429	996	1,160	164	117	174	95	13	2.0	5.8	11
8	e12	295	1,050	1,860	164	228	158	87	13	1.8	6.0	9.2
9	e11	215	648	1,120	164	278	135	79	12	1.6	5.4	7.3
10	e11	176	696	698	160	206	115	70	29	1.4	5.0	6.0
11	e10	294	516	462	150	180	103	61	59	1.5	4.1	6.3
12	e24	1,990	388	342	141	171	96	52	49	1.6	3.7	5.0
13	64	1,020	302	302	152	165	103	43	56	5.8	3.7	4.6
14	74	565	233	718	274	149	114	47	32	22	4.3	4.8
15	101	358	e193	561	341	136	95	168	23	45	4.5	4.9
16	78	267	e167	388	310	128	80	124	25	50	7.4	5.3
17	66	211	e145	291	251	122	74	82	26	31	11	5.1
18	151	177	e128	e224	205	116	68	64	16	33	12	4.8
19	3,350	259	e115	e173	175	119	63	66	13	57	28	4.2
20	2,690	266	e103	e164	160	132	56	319	11	108	30	8.0
21	631	202	e90	e145	175	130	51	227	10	108	32	9.0
22	383	174	e123	e134	211	113	52	127	8.6	55	20	7.5
23	288	163	1,180	e120	202	111	69	112	7.0	31	12	6.7
24	516	375	827	e110	179	113	73	97	6.1	18	6.9	6.3
25	592	631	454	e103	166	110	66	73	5.5	13	5.1	6.0
26	363	461	308	e94	148	110	60	56	3.9	9.7	16	4.6
27	401	339	227	e90	136	153	88	44	4.2	8.3	17	5.1
28	708	332	182	e84	136	1,610	86	35	7.2	7.2	11	4.6
29	464	289	168	108	---	1,090	100	29	5.5	5.8	26	4.1
30	343	562	165	e228	---	647	529	26	4.4	5.0	170	3.8
31	284	---	158	e236	---	420	---	23	---	4.2	347	---
TOTAL	11,746	16,318	14,519	15,200	5,326	7,671	4,928	3,423	544.4	645.7	816.1	605.2
MEAN	379	544	468	490	190	247	164	110	18.1	20.8	26.3	20.2
MAX	3,350	2,000	2,310	1,860	341	1,610	620	457	59	108	347	221
MIN	10	163	90	84	136	110	51	23	3.9	1.4	2.8	3.8
CFSM	2.58	3.70	3.19	3.34	1.29	1.68	1.12	0.75	0.12	0.14	0.18	0.14
IN.	2.97	4.13	3.67	3.85	1.35	1.94	1.25	0.87	0.14	0.16	0.21	0.15

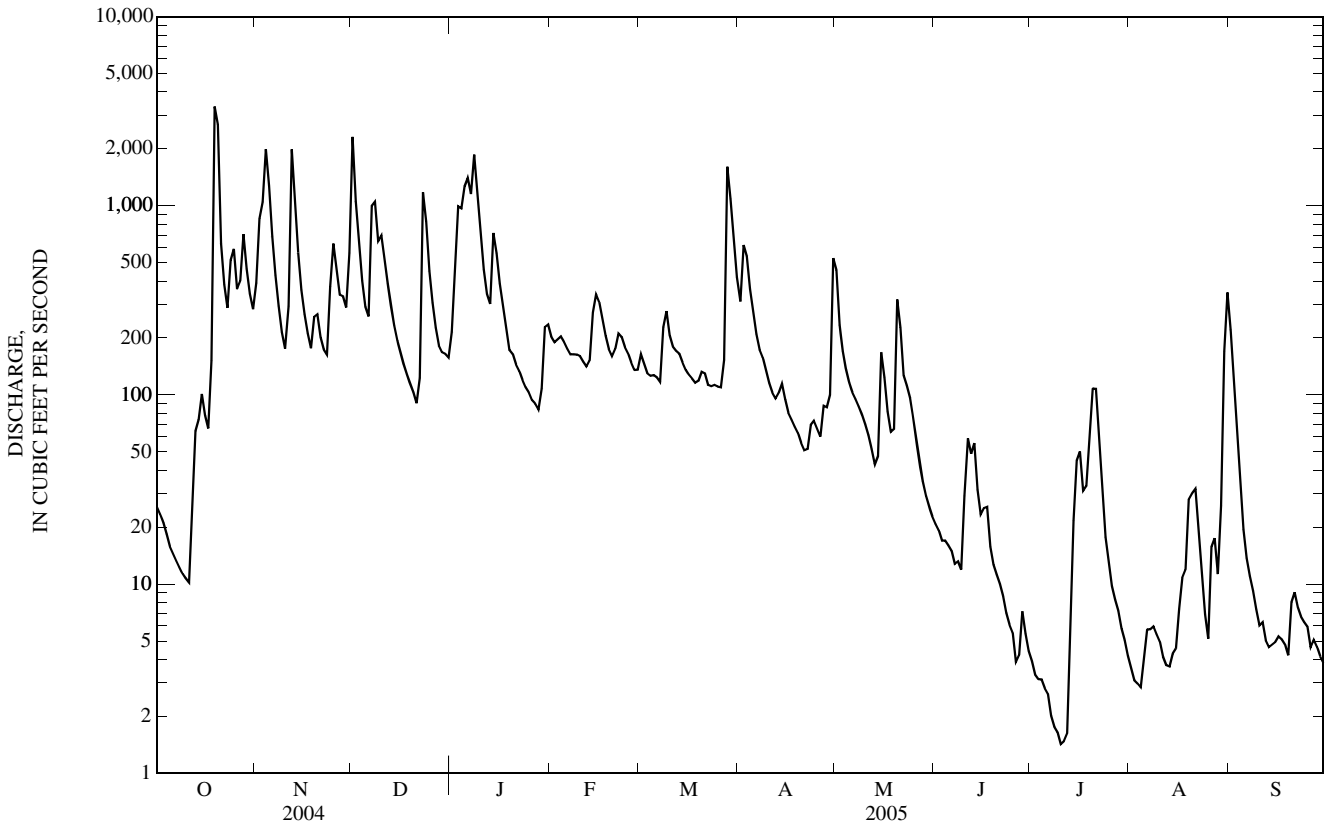
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

	83.3	194	261	365	387	493	220	333	237	104	62.9	50.3
MEAN	83.3	194	261	365	387	493	220	333	237	104	62.9	50.3
MAX	379	544	564	631	758	1,574	408	786	768	560	206	152
(WY)	(2005)	(2005)	(1997)	(1994)	(2003)	(1997)	(1997)	(1995)	(1997)	(1998)	(2004)	(2004)
MIN	6.82	9.49	29.7	55.1	136	224	62.7	25.0	18.1	12.8	4.39	2.63
(WY)	(2000)	(2000)	(2000)	(2000)	(2002)	(2003)	(1999)	(1999)	(2005)	(1999)	(2002)	(1999)

03288100 NORTH ELKHORN CREEK AT GEORGETOWN, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1993 - 2005	
ANNUAL TOTAL	122,703		81,742.4		234	
ANNUAL MEAN	335		224		371	
HIGHEST ANNUAL MEAN					1997	
LOWEST ANNUAL MEAN					114	
HIGHEST DAILY MEAN	6,860	May 31	3,350	Oct 19	11,000	Mar 3, 1997
LOWEST DAILY MEAN	10	Oct 11	1.4	Jul 10	1.3	Sep 18, 1999
ANNUAL SEVEN-DAY MINIMUM	12	Oct 5	1.8	Jul 6	1.6	Sep 14, 1999
MAXIMUM PEAK FLOW			4,840	Oct 20	19,300	Mar 2, 1997
MAXIMUM PEAK STAGE			9.37	Oct 20	19.01	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.28		1.52		1.59	
ANNUAL RUNOFF (INCHES)	31.05		20.69		21.60	
10 PERCENT EXCEEDS	698		563		559	
50 PERCENT EXCEEDS	155		110		83	
90 PERCENT EXCEEDS	43		5.0		9.2	

e Estimated



03288110 ROYAL SPRINGS AT GEORGETOWN, KY

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

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

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

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

COOPERATION.--City of Georgetown.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	62	66	12	26	24	21	35	2.0	1.8	0.00	19
2	15	69	63	14	25	20	47	26	2.3	2.9	0.00	13
3	14	74	66	20	27	18	44	22	1.9	1.1	0.00	9.4
4	6.2	73	58	28	25	17	41	18	2.1	0.01	0.00	6.1
5	0.32	59	54	33	25	17	38	15	1.8	0.00	0.00	3.4
6	0.17	48	53	37	24	17	34	12	0.61	0.00	0.23	1.9
7	0.06	40	64	33	22	15	30	10	0.45	0.00	0.24	e1.6
8	0.04	26	64	44	24	28	27	9.0	0.18	0.00	0.00	1.4
9	0.30	17	61	34	22	23	24	5.2	0.00	0.01	0.00	0.27
10	0.02	11	59	27	21	22	21	5.6	0.00	0.00	0.00	1.1
11	0.01	26	58	24	19	22	17	5.9	0.01	0.00	0.00	0.83
12	4.7	67	56	21	19	23	16	2.9	0.00	0.00	0.00	0.00
13	26	58	53	20	21	22	19	3.7	0.00	1.8	0.00	0.00
14	18	52	48	23	30	19	19	9.2	0.00	8.7	2.1	0.00
15	40	44	41	22	33	18	16	23	1.8	6.4	0.07	0.00
16	29	36	e33	21	34	17	13	11	0.59	3.1	1.2	0.00
17	22	25	e29	18	31	16	11	7.5	0.25	5.1	4.0	0.06
18	47	19	e28	16	28	15	8.1	4.9	0.98	4.2	1.6	0.02
19	113	54	31	14	26	15	7.2	6.1	0.41	12	4.2	0.00
20	56	74	29	12	25	20	6.4	37	0.00	25	6.8	0.00
21	43	72	27	9.9	30	15	5.9	23	0.00	11	2.6	0.00
22	28	70	31	8.6	30	14	5.8	17	0.00	11	0.18	0.00
23	30	69	40	7.7	28	14	11	19	0.00	7.7	0.04	0.00
24	62	78	29	4.8	26	14	11	13	0.00	4.8	0.00	0.00
25	69	71	23	12	24	14	7.4	9.3	0.00	2.6	0.00	0.00
26	71	64	20	26	22	13	9.6	6.6	0.01	1.7	0.01	0.00
27	66	62	17	25	21	25	18	4.9	0.09	1.4	0.26	0.00
28	66	62	14	21	21	34	10	4.8	2.0	1.1	0.57	0.00
29	63	57	11	23	---	24	19	4.4	1.4	3.3	2.6	0.01
30	60	64	9.4	30	---	17	44	2.9	0.94	1.8	24	0.06
31	58	---	7.3	27	---	12	---	2.3	---	0.99	24	---
TOTAL	1,020.82	1,603	1,242.7	668.0	709	584	601.4	376.2	19.82	119.51	74.70	58.15
MEAN	32.9	53.4	40.1	21.5	25.3	18.8	20.0	12.1	0.66	3.86	2.41	1.94
MAX	113	78	66	44	34	34	47	37	2.3	25	24	19
MIN	0.01	11	7.3	4.8	19	12	5.8	2.3	0.00	0.00	0.00	0.00

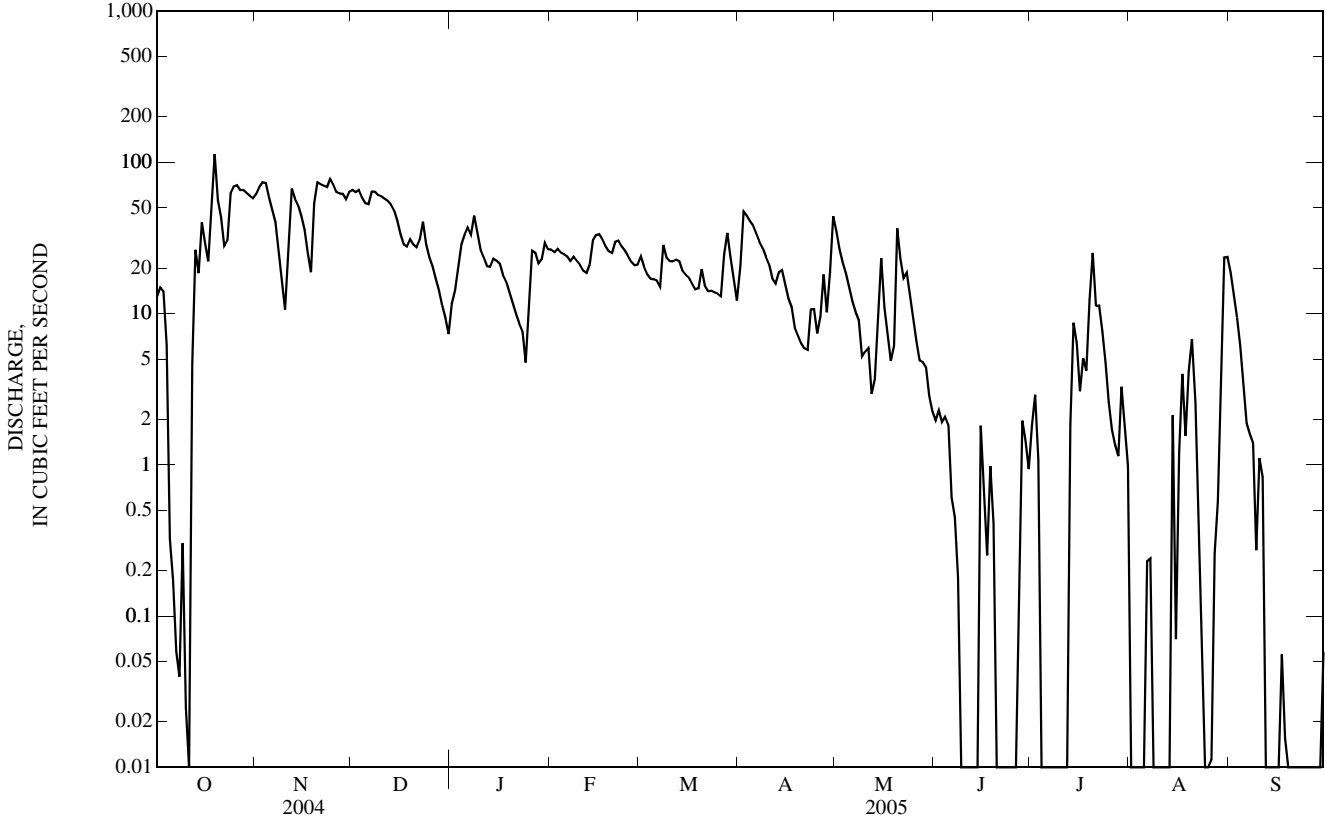
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

MEAN	8.32	16.8	26.1	31.4	31.0	36.5	25.8	25.6	22.7	10.1	8.14	6.12
MAX	32.9	53.4	48.3	49.0	52.5	77.5	47.5	55.9	65.1	44.1	23.5	18.6
(WY)	(2005)	(2005)	(1997)	(1996)	(1994)	(1997)	(1994)	(1996)	(1997)	(1998)	(2004)	(2004)
MIN	1.57	0.98	6.00	5.67	13.7	13.9	13.5	5.26	0.66	0.75	0.04	0.26
(WY)	(1999)	(2000)	(1999)	(2000)	(2000)	(2004)	(2001)	(1999)	(2005)	(2002)	(2002)	(1998)

03288110 ROYAL SPRINGS AT GEORGETOWN, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1993 - 2005	
ANNUAL TOTAL	9,979.92		7,077.30		20.5	
ANNUAL MEAN	27.3		19.4		9.07	
HIGHEST ANNUAL MEAN					30.5	1997
LOWEST ANNUAL MEAN					9.07	2000
HIGHEST DAILY MEAN	113	Oct 19	113	Oct 19	313	Mar 1, 1997
LOWEST DAILY MEAN	0.01	Oct 11	0.00	Jun 9	0.00	Oct 15, 1993
ANNUAL SEVEN-DAY MINIMUM	0.13	Oct 5	0.00	Sep 19	0.00	Oct 4, 1997
MAXIMUM PEAK FLOW			204	Oct 19	2,240	Mar 1, 1997
MAXIMUM PEAK STAGE			6.29	Oct 19	7.30	Mar 1, 1997
10 PERCENT EXCEEDS	58		56		49	
50 PERCENT EXCEEDS	23		15		14	
90 PERCENT EXCEEDS	6.7		0.00		0.79	

e Estimated



03288200 CANE RUN AT BEREA ROAD NEAR DONERAIL, KY

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

DRAINAGE AREA.--19.9 mi².

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

GAGE.--Water-stage recorder with telemetry. Datum of gage is 847.863 ft above NGVD of 1929.

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

COOPERATION.--Lexington-Fayette Urban County Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0710	*1,050	*6.61	Nov 30	1900	278	4.84
Nov 4	0755	381	5.17	Dec 1	0310	218	4.62
Nov 12	0155	336	5.02	Dec 7	1010	216	4.61

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	31	125	6.4	1.9	1.5	13	2.3	0.00	0.00	0.00	0.00
2	0.00	42	52	4.5	1.8	0.88	20	0.90	0.00	0.00	0.00	0.00
3	0.00	44	29	12	2.4	0.69	10	0.30	0.00	0.00	0.00	0.00
4	0.00	158	16	24	2.2	0.62	6.8	0.00	0.00	0.00	0.00	0.00
5	0.00	63	8.1	38	2.0	0.55	4.2	0.00	0.00	0.00	0.00	0.00
6	0.00	31	11	73	1.8	0.35	2.8	0.00	0.00	0.00	0.00	0.00
7	0.00	15	62	56	1.5	0.30	2.0	0.00	0.00	0.00	0.00	0.00
8	0.00	7.7	35	121	1.5	5.9	1.4	0.00	0.00	0.00	0.00	0.00
9	0.00	4.9	28	53	1.1	1.3	0.67	0.00	0.00	0.00	0.00	0.00
10	0.00	3.2	24	28	0.90	1.4	0.32	0.00	0.00	0.00	0.00	0.00
11	0.00	14	16	18	0.66	1.4	0.07	0.00	0.00	0.00	0.00	0.00
12	0.00	155	10	11	0.58	1.4	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	51	6.3	18	1.8	1.1	0.22	0.00	0.00	0.00	0.00	0.00
14	0.00	26	4.5	27	4.0	0.78	0.36	5.4	0.00	0.00	0.00	0.00
15	0.00	14	3.5	16	4.1	0.60	0.00	0.82	0.00	0.00	0.00	0.00
16	0.00	7.5	2.5	10	4.3	0.44	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	4.4	1.7	6.2	3.4	0.38	0.00	0.00	0.00	0.00	0.00	0.00
18	7.3	3.2	1.0	4.2	2.4	0.20	0.00	0.00	0.00	0.00	0.00	0.00
19	416	6.6	0.63	3.1	1.7	0.25	0.00	0.02	0.00	31	0.00	0.00
20	69	3.0	0.20	2.4	2.4	0.61	0.00	24	0.00	6.9	0.00	0.00
21	29	1.7	0.04	1.8	6.3	0.29	0.00	0.00	0.00	0.00	0.00	0.00
22	13	1.1	1.9	1.3	4.7	0.12	0.00	0.00	0.00	0.00	0.00	0.00
23	9.3	0.98	60	0.79	3.2	0.21	0.00	0.00	0.00	0.00	0.00	0.00
24	35	14	26	0.47	2.8	0.06	0.00	0.00	0.00	0.00	0.00	0.00
25	19	20	13	0.23	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	10	13	8.4	0.17	1.4	0.00	0.66	0.00	0.00	0.00	0.00	0.00
27	50	8.5	4.8	0.00	1.0	26	0.31	0.00	0.00	0.00	0.00	0.00
28	35	12	3.4	0.00	1.3	95	0.00	0.00	0.00	0.00	0.00	0.00
29	20	4.9	2.8	1.2	---	45	0.00	0.00	0.00	0.00	0.00	0.00
30	13	69	2.4	1.5	---	24	20	0.00	0.00	0.00	17	0.00
31	9.4	---	1.5	1.8	---	13	---	0.00	---	0.00	15	---
TOTAL	735.00	829.68	560.67	541.06	65.14	224.33	82.81	33.74	0.00	37.90	32.00	0.00
MEAN	23.7	27.7	18.1	17.5	2.33	7.24	2.76	1.09	0.00	1.22	1.03	0.00
MAX	416	158	125	121	6.3	95	20	24	0.00	31	17	0.00
MIN	0.00	0.98	0.04	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00

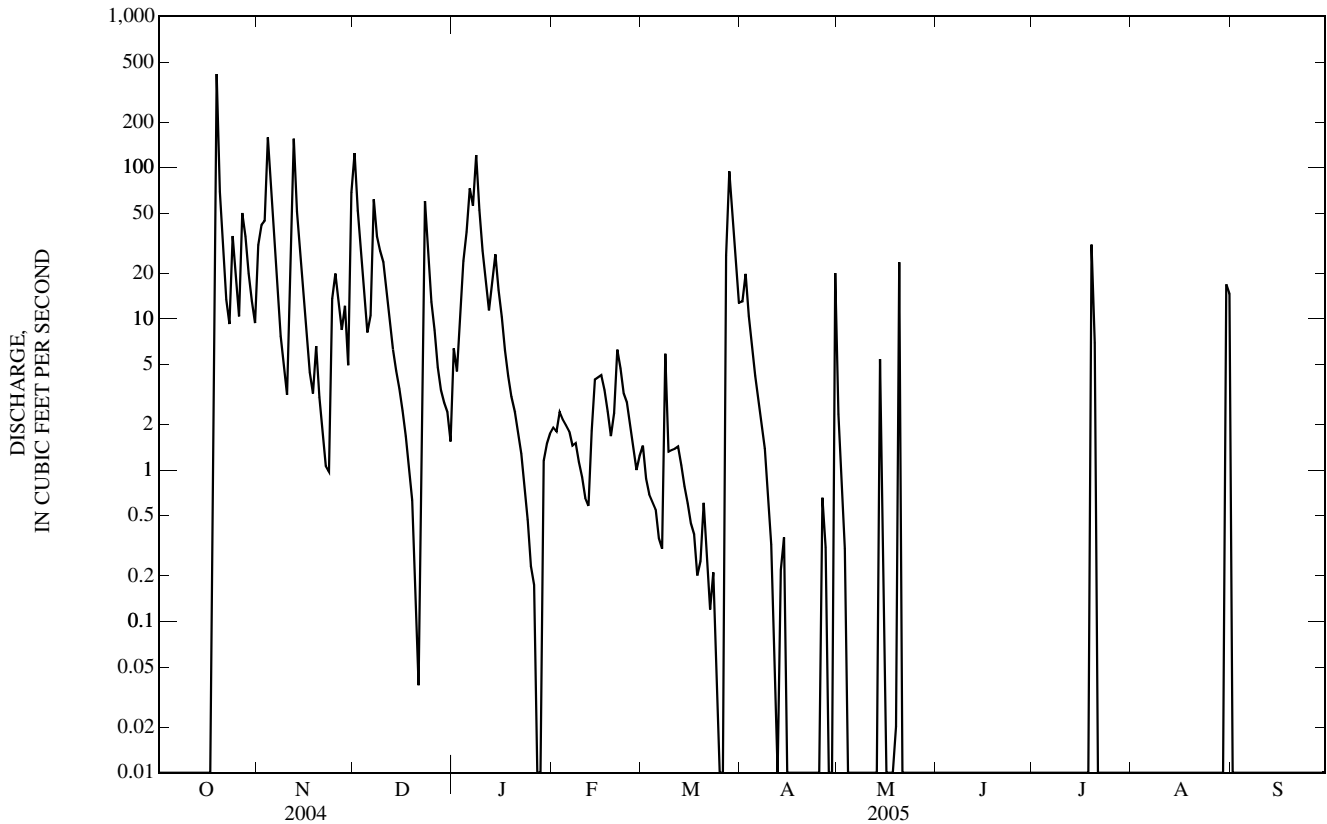
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	5.28	10.6	8.27	6.98	10.6	12.6	2.73	15.3	3.94	3.30	2.31	1.52
MAX	23.7	27.7	18.1	17.5	35.0	50.3	11.3	70.8	16.2	18.9	14.2	3.71
(WY)	(2005)	(2005)	(2005)	(2005)	(2003)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	0.00	0.00	0.00	0.00	0.15	0.30	0.00	0.03	0.00	0.00	0.00	0.00
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(1999)	(2000)	(2005)	(1999)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	6,935.47		3,142.33		7.42	
ANNUAL MEAN	18.9		8.61		14.8	
HIGHEST ANNUAL MEAN					1.99	2004
LOWEST ANNUAL MEAN					0.00	2000
HIGHEST DAILY MEAN	1,180	May 31	416	Oct 19	1,180	May 31, 2004
LOWEST DAILY MEAN	0.00	Jan 13	0.00	Oct 1	0.00	Feb 17, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 14	0.00	Oct 1	0.00	Feb 17, 1999
MAXIMUM PEAK FLOW			1,050	Oct 19	3,420	May 30, 2004
MAXIMUM PEAK STAGE			6.61	Oct 19	9.63	May 30, 2004
INSTANTANEOUS LOW FLOW					0.00	Oct 1, 2001
10 PERCENT EXCEEDS	41		24		15	
50 PERCENT EXCEEDS	0.00		0.17		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



03289000 SOUTH ELKHORN CREEK AT FORT SPRING, KY

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

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

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

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

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

REMARKS.- Records fair.

COOPERATION.--Lexington-Fayette Urban County Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0505	*2,610	*9.95	Nov 30	1830	1,170	7.44
Nov 4	0740	1,140	7.38	Dec 7	1005	1,050	7.15
Nov 12	0115	1,230	7.58	May 14	2155	1,330	7.79

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

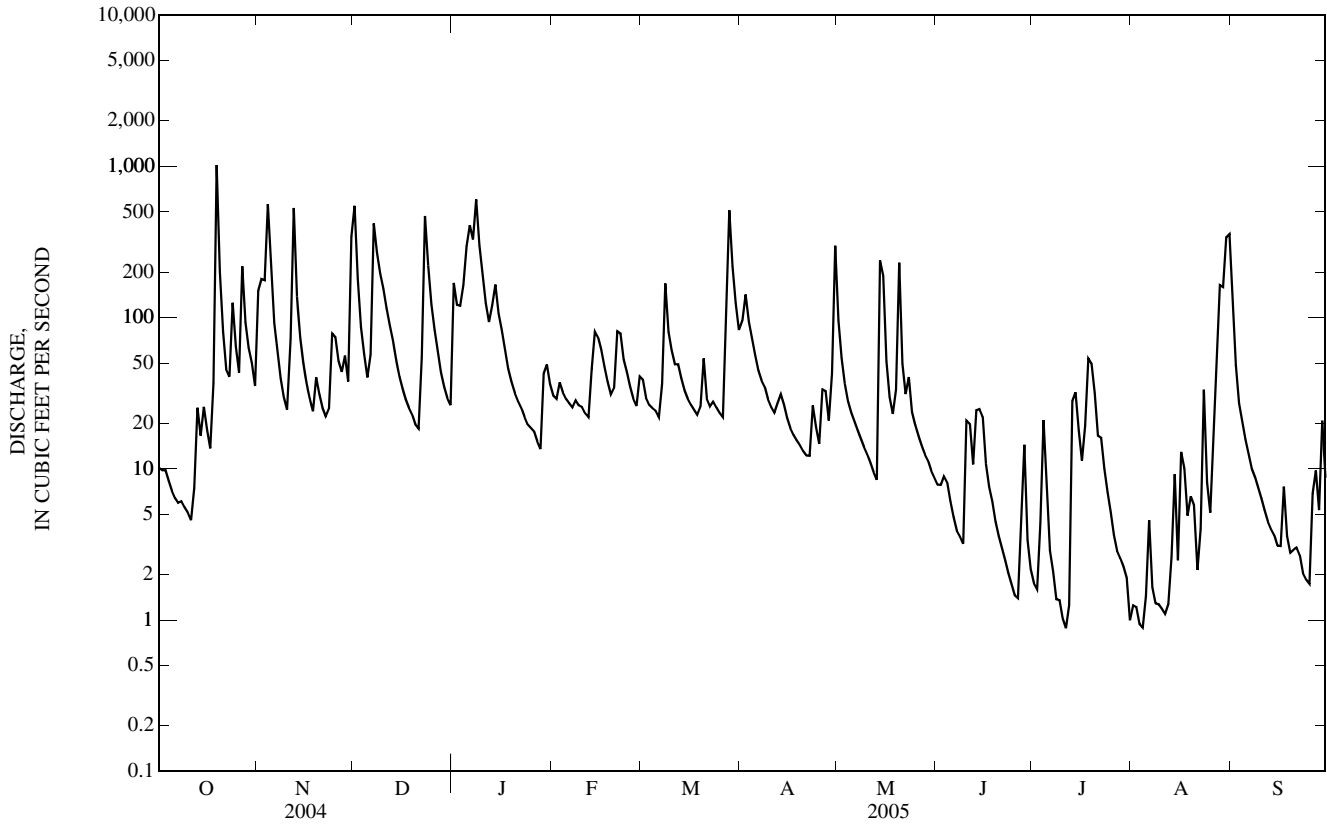
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	151	549	170	31	39	96	96	7.9	1.8	1.2	117
2	9.8	180	180	121	29	30	142	54	7.8	1.6	1.2	48
3	9.8	176	86	120	37	27	94	36	8.9	4.3	0.94	27
4	8.3	561	57	165	32	25	73	28	8.2	21	0.89	20
5	7.2	211	40	296	29	24	56	24	6.1	6.9	1.4	16
6	6.4	92	57	407	27	22	45	21	4.8	2.9	4.6	12
7	6.0	59	420	329	25	37	38	18	3.9	2.1	1.7	10
8	6.1	40	269	604	28	168	35	16	3.6	1.4	1.3	8.8
9	5.6	30	196	302	26	81	29	14	3.2	1.4	1.3	7.5
10	5.1	25	156	187	26	61	26	13	21	1.0	1.2	6.4
11	4.6	72	115	125	23	49	24	11	20	0.88	1.1	5.3
12	7.5	529	89	94	22	49	27	9.5	11	1.3	1.3	4.5
13	25	138	70	121	46	40	31	8.5	24	28	2.6	4.0
14	17	74	53	166	81	33	26	238	25	32	9.2	3.6
15	26	50	41	107	74	29	22	189	22	18	2.5	3.1
16	18	37	34	83	61	27	19	52	11	11	13	3.1
17	14	29	29	62	47	25	17	30	7.6	19	10	7.6
18	37	24	25	46	37	23	15	23	6.1	54	4.9	3.6
19	1,020	40	23	38	31	26	14	33	4.5	50	6.6	2.8
20	200	31	20	32	34	54	13	231	3.6	32	5.8	2.9
21	81	25	19	28	81	29	12	50	3.0	17	2.1	3.0
22	45	22	55	25	78	26	12	31	2.5	16	4.0	2.7
23	41	25	470	22	53	28	26	41	2.0	10	33	2.0
24	125	79	222	20	43	25	19	24	1.7	7.0	8.2	1.9
25	64	75	123	19	35	23	15	20	1.5	5.2	5.1	1.7
26	43	52	83	18	29	22	33	17	1.4	3.7	12	6.9
27	219	44	59	15	26	138	33	14	4.2	2.9	36	9.8
28	93	56	43	14	41	511	21	12	14	2.6	164	5.3
29	63	38	35	43	---	219	43	11	3.4	2.3	159	21
30	50	344	29	49	---	125	298	9.8	2.2	1.9	340	8.7
31	35	---	26	36	---	83	---	8.8	---	1.00	357	---
TOTAL	2,302.4	3,309	3,673	3,864	1,132	2,098	1,354	1,383.6	246.1	360.18	1,193.13	376.2
MEAN	74.3	110	118	125	40.4	67.7	45.1	44.6	8.20	11.6	38.5	12.5
MAX	1,020	561	549	604	81	511	298	238	25	54	357	117
MIN	4.6	22	19	14	22	22	12	8.5	1.4	0.88	0.89	1.7
CFSM	3.50	5.20	5.59	5.88	1.91	3.19	2.13	2.11	0.39	0.55	1.82	0.59
IN.	4.04	5.81	6.45	6.78	1.99	3.68	2.38	2.43	0.43	0.63	2.09	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

	11.0	25.9	52.4	51.2	65.3	68.6	43.8	36.6	21.1	16.0	12.4	10.5
MEAN	11.0	25.9	52.4	51.2	65.3	68.6	43.8	36.6	21.1	16.0	12.4	10.5
MAX	74.3	137	198	159	227	172	145	156	83.2	97.0	68.0	81.4
(WY)	(2005)	(2003)	(1979)	(1951)	(1989)	(1964)	(1972)	(1983)	(1960)	(1958)	(1974)	(1979)
MIN	0.00	0.09	0.86	4.43	6.48	11.0	10.3	3.92	1.14	0.66	0.01	0.02
(WY)	(1954)	(1954)	(1954)	(1981)	(1954)	(1954)	(1971)	(1952)	(1954)	(1951)	(1965)	(1953)

03289000 SOUTH ELKHORN CREEK AT FORT SPRING, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1950 - 2005	
ANNUAL TOTAL	22,870.7		21,291.61		34.4	
ANNUAL MEAN	62.5		58.3		74.6	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	1,020	Oct 19	1,020	Oct 19	1,470	Feb 16, 2003
LOWEST DAILY MEAN	4.6	Oct 11	0.88	Jul 11	0.00	Aug 6, 1951
ANNUAL SEVEN-DAY MINIMUM	5.4	Feb 24	1.2	Jul 30	0.00	Aug 19, 1951
MAXIMUM PEAK FLOW			2,610	Oct 19	2,610	Oct 19, 2004
MAXIMUM PEAK STAGE			9.95	Oct 19	12.13	Sep 21, 1979
INSTANTANEOUS LOW FLOW					0.00	Aug 6, 1951
ANNUAL RUNOFF (CFSM)	2.95		2.75		1.62	
ANNUAL RUNOFF (INCHES)	40.13		37.36		22.04	
10 PERCENT EXCEEDS	138		157		84	
50 PERCENT EXCEEDS	26		26		13	
90 PERCENT EXCEEDS	8.2		2.8		1.5	



03289193 WOLF RUN AT OLD FRANKFORT PIKE AT LEXINGTON, KY

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

DRAINAGE AREA.--9.57 mi².

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

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

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

COOPERATION.--Lexington-Fayette Urban County Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 18	2300	1,260	5.61	Oct 19	0300	*2,230	*6.84

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	47	94	41	8.9	11	39	16	3.8	5.2	0.92	18
2	4.0	45	45	23	10	8.6	36	9.9	4.1	2.5	0.86	9.3
3	3.2	34	27	31	12	7.6	22	7.4	4.8	7.9	0.86	6.1
4	2.9	117	18	41	9.5	7.1	16	5.7	4.2	4.2	1.0	4.5
5	2.7	47	13	46	8.7	7.0	13	5.0	4.0	2.5	5.5	3.7
6	2.6	26	26	83	8.1	6.2	11	4.4	3.6	2.2	1.9	3.0
7	2.6	17	96	78	7.7	24	10	4.0	3.5	2.0	0.79	2.7
8	2.4	12	44	108	9.9	28	9.1	3.4	3.2	1.8	0.59	2.2
9	2.2	9.1	43	58	8.6	15	7.4	2.8	2.9	1.7	0.55	1.9
10	2.1	7.5	30	38	8.1	13	6.6	2.5	28	1.5	0.59	1.6
11	2.0	86	24	27	7.2	13	5.9	2.3	6.8	1.5	0.53	1.3
12	16	103	18	23	6.6	16	9.9	2.2	4.2	1.6	0.55	0.84
13	10	43	14	46	22	11	15	2.2	e7.0	30	5.0	0.70
14	5.2	25	12	36	20	9.8	7.9	71	e10	26	3.1	0.58
15	19	17	11	24	15	8.7	6.2	21	e6.2	7.5	1.4	0.56
16	5.7	12	9.5	20	13	8.2	5.1	5.8	3.7	5.4	12	2.1
17	4.5	9.7	8.6	15	11	7.6	4.5	4.3	3.0	20	3.0	1.8
18	117	8.3	7.8	13	9.7	7.0	4.0	3.6	2.7	27	1.8	0.61
19	487	21	7.1	11	8.6	16	3.7	63	2.4	16	7.0	0.45
20	58	10	6.8	9.9	17	13	3.5	e90	2.3	11	2.9	0.87
21	27	7.9	5.9	9.1	24	8.0	3.3	e25	2.2	6.4	1.8	0.54
22	16	7.1	29	8.1	14	7.3	5.1	e8.0	2.0	4.3	15	0.45
23	23	14	68	7.6	11	9.7	12	e14	1.8	3.5	8.9	0.44
24	58	41	38	7.1	10	7.5	5.0	6.8	1.7	2.7	2.2	0.40
25	23	25	23	6.2	9.2	7.3	4.0	5.8	1.6	2.4	1.5	0.36
26	15	17	17	5.8	8.1	6.5	24	5.2	1.4	2.1	3.5	3.1
27	71	22	13	5.1	7.3	66	8.6	4.6	32	1.9	18	1.7
28	27	20	10	4.5	19	105	8.0	4.2	11	1.8	37	0.89
29	18	12	9.3	25	---	48	31	3.9	4.6	1.5	28	9.8
30	17	92	8.4	14	---	31	53	3.8	2.8	1.4	93	1.4
31	11	---	7.9	10	---	22	---	3.7	---	1.2	63	---
TOTAL	1,058.5	954.6	784.3	874.4	324.2	556.1	389.8	411.5	171.5	206.7	322.74	81.89
MEAN	34.1	31.8	25.3	28.2	11.6	17.9	13.0	13.3	5.72	6.67	10.4	2.73
MAX	487	117	96	108	24	105	53	90	32	30	93	18
MIN	2.0	7.1	5.9	4.5	6.6	6.2	3.3	2.2	1.4	1.2	0.53	0.36
CFSM	3.57	3.32	2.64	2.95	1.21	1.87	1.36	1.39	0.60	0.70	1.09	0.29
IN.	4.11	3.71	3.05	3.40	1.26	2.16	1.52	1.60	0.67	0.80	1.25	0.32

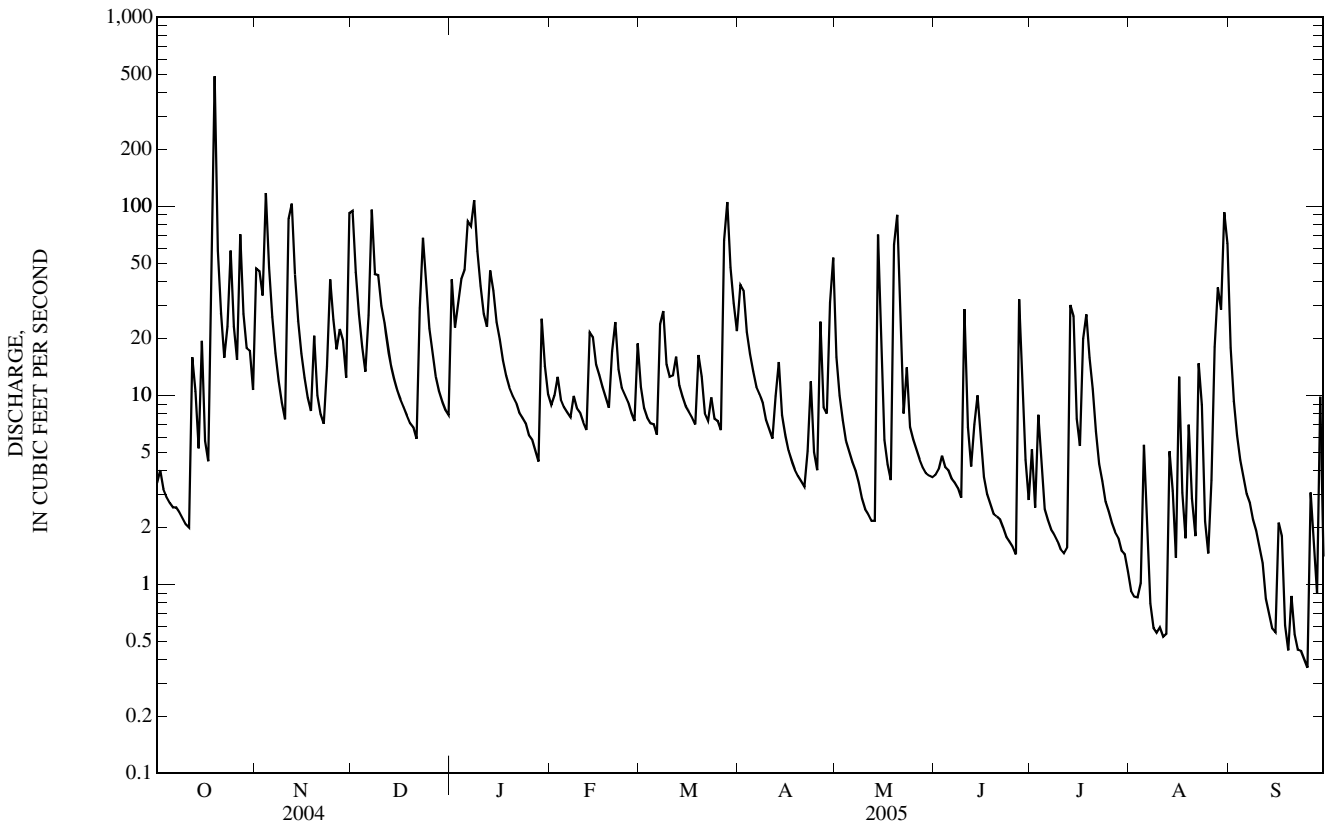
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	10.5	15.4	16.6	19.7	21.6	21.9	16.4	28.8	20.7	17.2	9.66	9.22
MAX	34.1	33.3	25.8	37.7	51.3	47.3	30.5	77.7	61.8	44.6	24.1	24.8
(WY)	(2005)	(2003)	(2004)	(1999)	(2003)	(2002)	(2002)	(2004)	(1998)	(1998)	(2003)	(2003)
MIN	1.59	2.45	5.19	6.31	6.35	11.2	5.84	5.82	5.10	2.21	1.58	1.37
(WY)	(2001)	(2000)	(2000)	(2001)	(2002)	(2003)	(2001)	(1999)	(2002)	(2002)	(2002)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	10,871.7		6,136.23		17.3	
ANNUAL MEAN	29.7		16.8		9.93	
HIGHEST ANNUAL MEAN					27.2	2004
LOWEST ANNUAL MEAN					9.93	2000
HIGHEST DAILY MEAN	591	May 30	487	Oct 19	717	Jul 20, 1998
LOWEST DAILY MEAN	2.0	Oct 11	0.36	Sep 25	0.34	Oct 13, 1997
ANNUAL SEVEN-DAY MINIMUM	2.4	Oct 5	0.50	Sep 19	0.42	Oct 7, 1997
MAXIMUM PEAK FLOW			2,230	Oct 19	3,120	Jun 29, 1998
MAXIMUM PEAK STAGE			6.84	Oct 19	7.97	Jun 29, 1998
INSTANTANEOUS LOW FLOW					0.00	Dec 9, 1999
ANNUAL RUNOFF (CFSM)	3.10		1.76		1.81	
ANNUAL RUNOFF (INCHES)	42.26		23.85		24.56	
10 PERCENT EXCEEDS	57		41		36	
50 PERCENT EXCEEDS	12		8.1		7.2	
90 PERCENT EXCEEDS	4.7		1.7		1.2	

e Estimated



03289200 TOWN BRANCH AT YARNALLTON ROAD AT YARNALLTON, KY

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

DRAINAGE AREA.--30.0 mi².

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

REVISED RECORDS.--KY-04-01, Peaks.

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

REMARKS.--Records good. Flow regulated by a Sewage Treatment Plant and Federal Correctional Institute upstream.

COOPERATION.--Lexington-Fayette Urban County Government.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0550	*4,210	*8.37	Nov 30	1820	980	4.46
Nov 4	0650	1,160	4.82	May 20	0050	1,030	4.56
Nov 12	0110	1,240	4.99				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

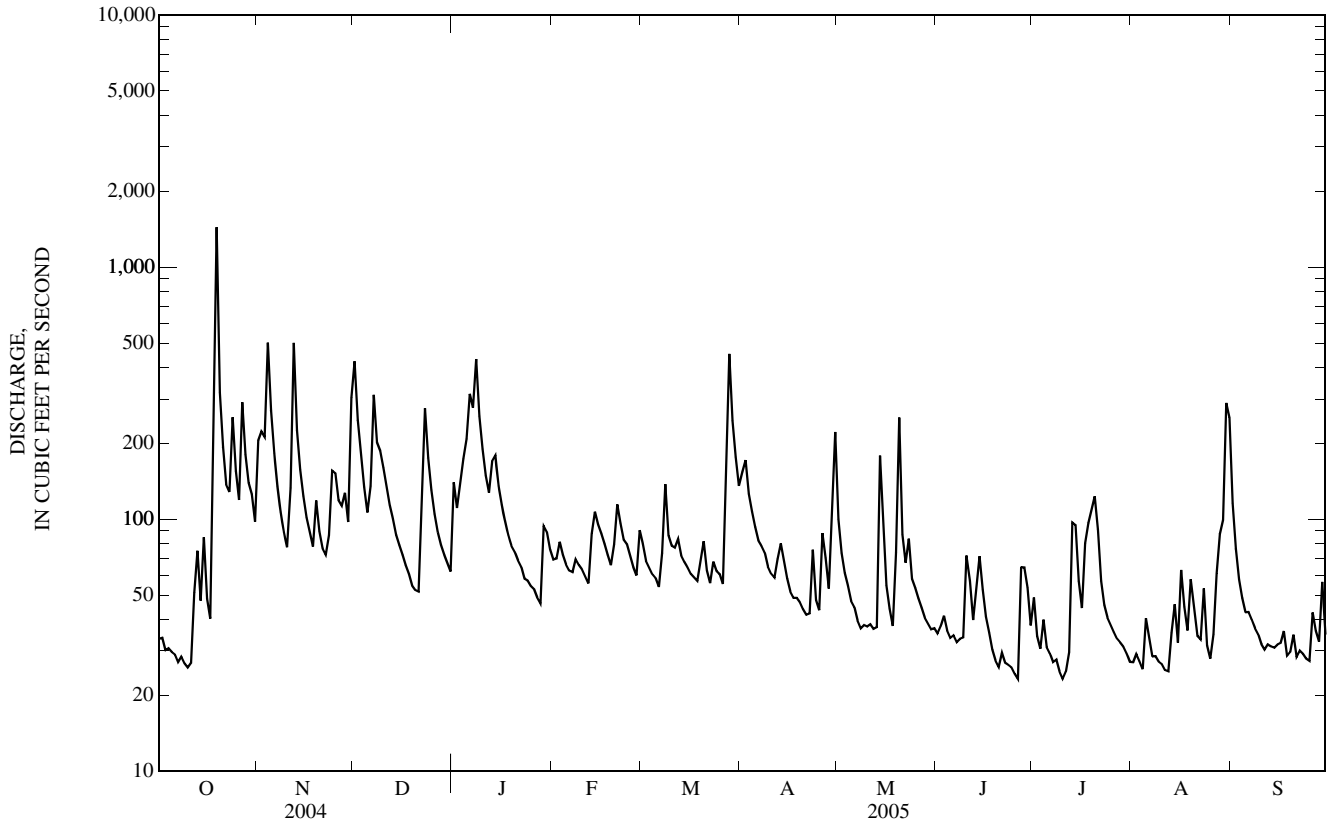
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	206	423	140	69	80	154	100	35	49	27	115
2	34	223	248	111	70	68	172	74	38	34	29	77
3	30	213	178	140	81	64	126	61	41	31	27	58
4	31	501	134	174	72	60	108	54	36	40	25	49
5	30	271	107	209	66	58	93	47	34	31	40	43
6	29	183	136	314	62	54	82	45	35	29	34	43
7	27	136	312	277	62	73	78	40	33	27	29	40
8	29	107	202	432	69	138	74	37	34	28	29	37
9	27	89	187	257	66	86	65	38	34	25	27	35
10	26	77	160	190	63	79	61	38	72	23	27	32
11	27	133	134	149	59	77	59	38	57	25	25	30
12	51	499	114	128	56	84	70	37	40	30	25	32
13	75	226	100	170	88	72	80	37	53	97	36	31
14	48	158	87	179	107	68	68	178	71	95	46	31
15	85	124	79	136	95	64	58	92	53	57	32	32
16	49	102	72	114	88	61	52	55	41	44	63	32
17	40	88	66	99	80	59	49	44	36	80	45	36
18	121	78	61	86	72	57	49	38	30	96	36	29
19	1,440	119	55	78	66	68	47	74	28	109	58	30
20	317	90	52	74	79	82	44	253	26	123	45	35
21	194	77	52	69	115	63	42	87	30	91	34	28
22	137	72	98	65	96	56	42	67	27	57	33	30
23	128	87	275	58	83	68	76	84	26	46	53	29
24	254	156	175	57	80	62	48	58	26	41	32	28
25	156	153	131	54	72	61	44	53	24	38	28	27
26	119	119	105	53	65	55	88	49	23	36	35	43
27	291	113	89	49	60	197	70	45	65	34	61	36
28	181	127	79	46	90	453	53	41	64	32	87	33
29	139	98	72	94	---	246	95	39	54	31	99	56
30	125	304	67	89	---	176	221	37	38	29	289	35
31	98	---	62	76	---	136	---	37	---	27	253	---
TOTAL	4,372	4,929	4,112	4,167	2,131	3,025	2,368	1,977	1,204	1,535	1,709	1,192
MEAN	141	164	133	134	76.1	97.6	78.9	63.8	40.1	49.5	55.1	39.7
MAX	1,440	501	423	432	115	453	221	253	72	123	289	115
MIN	26	72	52	46	56	54	42	37	23	23	25	27
CFSM	4.70	5.48	4.42	4.48	2.54	3.25	2.63	2.13	1.34	1.65	1.84	1.32
IN.	5.42	6.11	5.10	5.17	2.64	3.75	2.94	2.45	1.49	1.90	2.12	1.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	60.1	80.9	85.1	91.2	109	107	85.8	128	104	80.9	56.4	56.0
MAX	141	164	133	134	193	190	127	269	284	199	115	89.0
(WY)	(2005)	(2005)	(2005)	(2005)	(2003)	(2002)	(1998)	(2004)	(1998)	(1998)	(2004)	(2003)
MIN	32.1	32.0	41.2	47.8	51.5	67.5	49.6	46.5	40.1	32.3	30.3	24.9
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(1999)	(2000)	(2005)	(2002)	(2002)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	48,495		32,721		86.9	
ANNUAL MEAN	132		89.6		122	
HIGHEST ANNUAL MEAN					2004	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	2,240	May 31	1,440	Oct 19	2,240	May 31, 2004
LOWEST DAILY MEAN	26	Oct 10	23	Jun 26	17	Nov 29, 1997
ANNUAL SEVEN-DAY MINIMUM	28	Oct 5	26	Jun 20	22	Sep 13, 1999
MAXIMUM PEAK FLOW			4,210	Oct 19	5,890	May 30, 2004
MAXIMUM PEAK STAGE			8.37	Oct 19	9.38	May 30, 2004
INSTANTANEOUS LOW FLOW					13	Jul 16, 2001
ANNUAL RUNOFF (CFSM)	4.42		2.99		2.90	
ANNUAL RUNOFF (INCHES)	60.13		40.57		39.35	
10 PERCENT EXCEEDS	237		178		169	
50 PERCENT EXCEEDS	80		63		55	
90 PERCENT EXCEEDS	43		29		28	



KENTUCKY RIVER BASIN

03289300 SOUTH ELKHORN CREEK NEAR MIDWAY, KY

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

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

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

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

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

COOPERATION.--Kentucky River Authority.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	1600	*4,070	*17.40	Dec 23	1230	1,200	9.50
Nov 4	1530	1,780	11.50	Jan 6	1600	1,030	8.89
Nov 12	0900	1,560	10.79	Jan 8	1000	1,450	10.39
Dec 1	0730	1,640	11.06	Mar 28	1200	1,800	11.56
Dec 7	1700	1,270	9.76				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

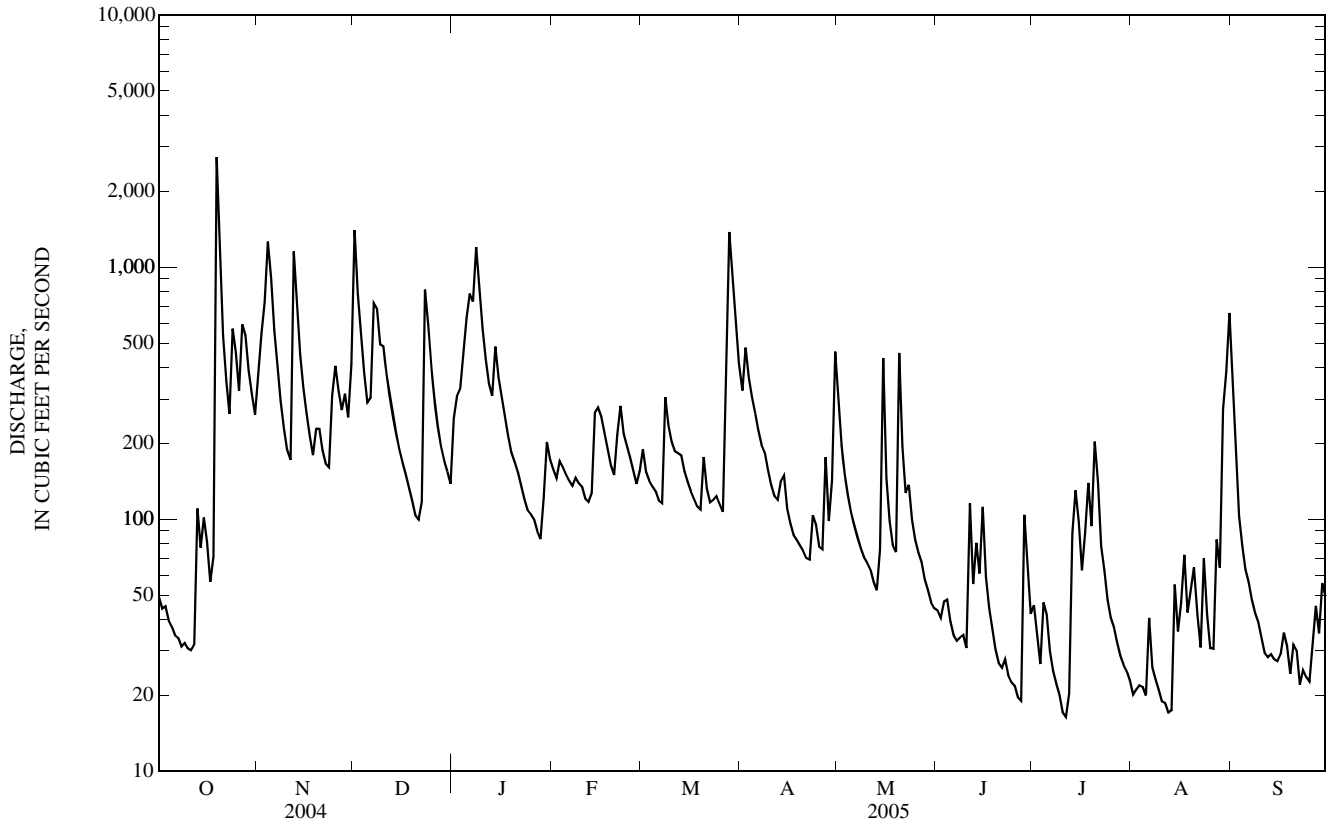
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	382	1,400	251	158	190	324	302	44	46	20	288
2	44	545	786	308	146	154	480	196	41	35	21	160
3	45	727	531	329	171	142	364	150	47	27	22	103
4	40	1,260	381	463	161	135	305	124	48	47	22	79
5	37	914	290	629	151	129	263	105	39	42	20	63
6	35	566	303	787	142	119	225	94	35	30	41	56
7	34	396	720	731	136	116	197	85	33	25	26	48
8	31	293	685	1,200	146	305	184	76	34	22	23	42
9	32	230	493	819	139	235	157	71	35	20	21	39
10	31	189	486	572	135	202	137	67	31	17	19	34
11	30	172	374	431	121	186	123	63	116	16	19	30
12	32	1,150	315	345	117	183	119	57	55	20	17	28
13	110	684	264	308	127	179	141	52	81	88	17	29
14	77	450	220	484	264	155	149	76	61	130	55	28
15	102	332	188	365	277	141	110	436	112	98	36	27
16	81	262	168	304	255	129	96	145	59	63	47	29
17	56	214	150	256	219	121	87	98	45	89	72	35
18	71	180	134	213	188	112	83	79	37	139	43	31
19	2,730	229	118	184	163	109	79	74	30	94	52	24
20	1,200	229	104	167	150	177	75	457	27	203	64	32
21	536	187	100	153	217	132	70	194	26	141	42	30
22	356	166	117	135	282	117	69	127	28	78	31	22
23	262	161	815	120	218	119	104	137	24	63	70	25
24	570	310	593	108	195	124	95	100	23	48	42	24
25	458	406	399	105	175	115	78	83	22	41	31	23
26	323	323	298	100	155	107	76	74	20	37	31	32
27	592	272	235	90	138	273	176	67	19	32	83	45
28	537	315	194	84	155	1,380	98	58	104	29	64	35
29	388	253	171	122	---	845	142	52	62	27	274	56
30	314	411	154	203	---	571	463	47	42	25	386	49
31	260	---	138	172	---	415	---	44	---	23	658	---
TOTAL	9,463	12,208	11,324	10,538	4,901	7,417	5,069	3,790	1,380	1,795	2,369	1,546
MEAN	305	407	365	340	175	239	169	122	46.0	57.9	76.4	51.5
MAX	2,730	1,260	1,400	1,200	282	1,380	480	457	116	203	658	288
MIN	30	161	100	84	117	107	69	44	19	16	17	22
CFSM	2.91	3.88	3.48	3.24	1.67	2.28	1.61	1.16	0.44	0.55	0.73	0.49
IN.	3.35	4.33	4.01	3.73	1.74	2.63	1.80	1.34	0.49	0.64	0.84	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005, BY WATER YEAR (WY)

	76.9	147	233	234	282	297	182	228	175	99.2	75.1	64.2
MEAN	76.9	147	233	234	282	297	182	228	175	99.2	75.1	64.2
MAX	305	407	673	405	1,030	1,165	366	718	606	443	259	158
(WY)	(2005)	(2005)	(1991)	(1996)	(1989)	(1997)	(1984)	(1983)	(1997)	(1998)	(2004)	(2003)
MIN	24.5	21.1	42.6	50.4	114	60.1	61.0	35.9	39.5	30.7	22.5	16.4
(WY)	(2000)	(2000)	(2000)	(1986)	(1993)	(1983)	(1986)	(1999)	(1988)	(2002)	(1999)	(1999)

03289300 SOUTH ELKHORN CREEK NEAR MIDWAY, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1982 - 2005	
ANNUAL TOTAL	106,820		71,800		174	
ANNUAL MEAN	292		197		276	
HIGHEST ANNUAL MEAN					99.6	1997
LOWEST ANNUAL MEAN					10,700	2000
HIGHEST DAILY MEAN	6,460	May 31	2,730	Oct 19	3.1	Mar 2, 1997
LOWEST DAILY MEAN	30	Oct 11	16	Jul 11	8.5	Oct 8, 1994
ANNUAL SEVEN-DAY MINIMUM	32	Oct 6	20	Aug 7	12,300	Nov 18, 2000
MAXIMUM PEAK FLOW			4,070	Oct 19	26.37	Mar 2, 1997
MAXIMUM PEAK STAGE			17.40	Oct 19	0.00	Oct 7, 1992
INSTANTANEOUS LOW FLOW					1.66	
ANNUAL RUNOFF (CFSM)	2.78		1.87		22.52	
ANNUAL RUNOFF (INCHES)	37.84		25.44		369	
10 PERCENT EXCEEDS	592		460		91	
50 PERCENT EXCEEDS	156		119		29	
90 PERCENT EXCEEDS	63		28			



KENTUCKY RIVER BASIN

03289500 ELKHORN CREEK NEAR FRANKFORT, KY

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

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

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

REVISED RECORDS.--WSP 1555: Drainage area.

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

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

COOPERATION.--Kentucky River Authority.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 20	0715	*8,990	*10.06	Mar 28	1730	7,010	8.95

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

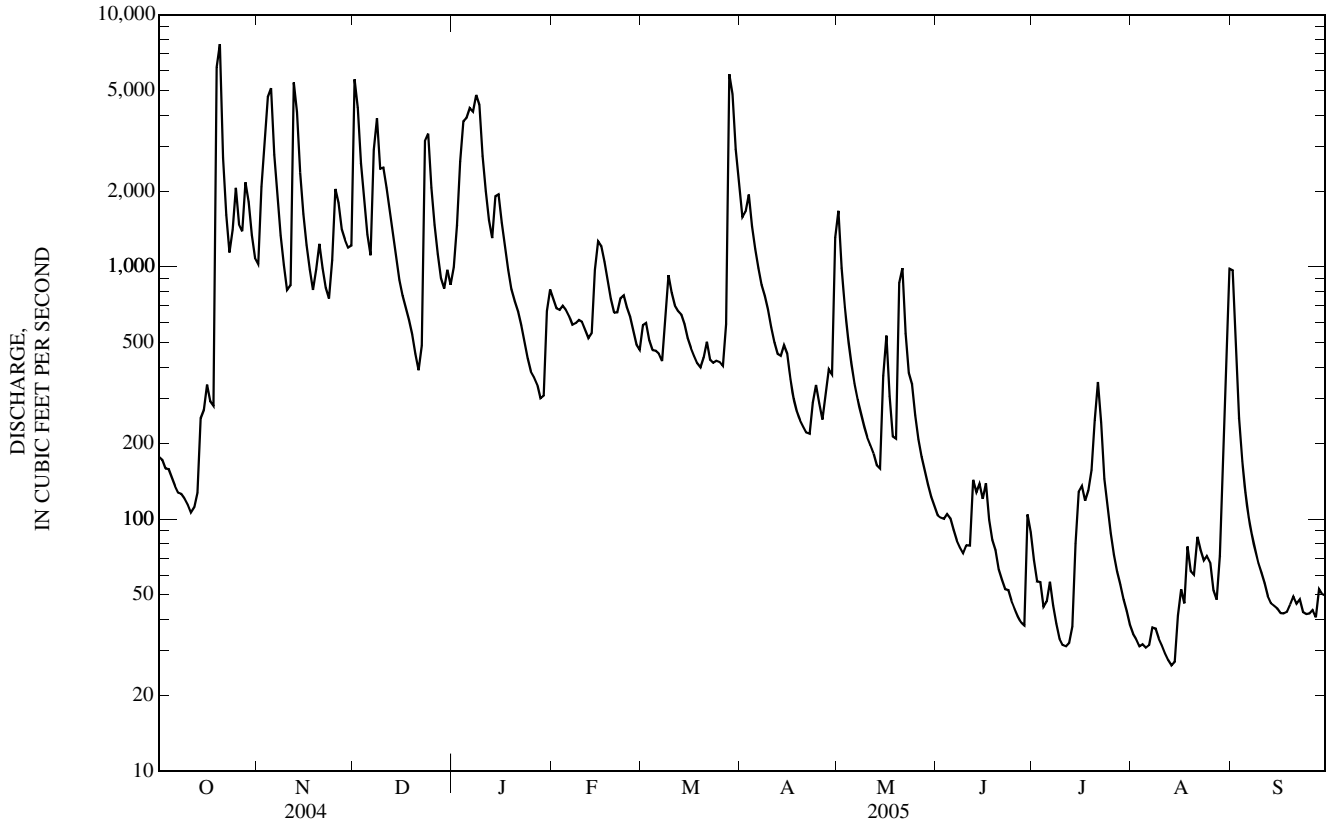
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	1,030	5,550	996	744	586	1,570	1,670	104	69	35	968
2	171	2,080	4,270	1,460	683	598	1,660	991	101	57	33	472
3	159	3,220	2,580	2,620	674	510	1,940	692	100	56	31	252
4	158	4,730	1,810	3,780	699	468	1,450	525	104	45	32	170
5	146	5,100	1,340	3,910	675	465	1,180	420	101	47	31	128
6	135	2,790	1,110	4,260	635	453	988	345	90	56	32	102
7	127	1,880	2,910	4,130	589	424	847	297	82	45	37	87
8	125	1,330	3,880	4,810	599	606	768	264	77	38	37	76
9	120	1,020	2,460	4,390	616	926	676	235	73	33	34	67
10	114	808	2,480	2,750	605	789	576	211	79	32	31	61
11	106	843	2,060	2,000	562	703	502	196	78	31	29	56
12	111	5,390	1,630	1,530	521	668	451	181	143	32	28	49
13	127	4,110	1,310	1,300	545	648	444	163	128	37	26	46
14	251	2,360	1,070	1,900	975	593	488	159	138	80	27	45
15	271	1,620	888	1,940	1,270	521	453	370	120	128	41	44
16	341	1,220	770	1,500	1,210	477	359	534	139	135	53	42
17	293	978	687	1,200	1,050	444	301	307	99	118	46	42
18	282	810	616	973	877	415	267	213	83	130	78	43
19	6,190	976	540	815	745	399	247	208	75	157	62	46
20	7,650	1,240	452	726	658	438	233	864	63	247	60	49
21	2,700	988	389	664	661	505	220	989	57	349	85	46
22	1,610	825	487	586	751	429	217	544	53	242	75	48
23	1,140	749	3,150	504	771	416	289	379	52	144	68	43
24	1,400	1,060	3,370	434	690	424	341	343	47	113	71	42
25	2,060	2,030	2,060	385	634	419	288	258	44	88	67	42
26	1,480	1,790	1,460	365	561	404	248	207	41	72	52	44
27	1,380	1,410	1,120	341	491	593	308	176	39	62	48	41
28	2,160	1,280	901	301	469	5,820	393	155	38	55	71	53
29	1,810	1,190	821	308	---	4,850	375	137	104	48	135	50
30	1,340	1,210	976	668	---	2,930	1,310	122	89	43	322	50
31	1,090	---	849	813	---	2,160	---	112	---	38	982	---
TOTAL	35,223	56,067	53,996	52,359	19,960	30,081	19,389	12,267	2,541	2,827	2,759	3,304
MEAN	1,136	1,869	1,742	1,689	713	970	646	396	84.7	91.2	89.0	110
MAX	7,650	5,390	5,550	4,810	1,270	5,820	1,940	1,670	143	349	982	968
MIN	106	749	389	301	469	399	217	112	38	31	26	41
CFSM	2.82	4.64	4.33	4.20	1.77	2.41	1.61	0.98	0.21	0.23	0.22	0.27
IN.	3.26	5.18	4.99	4.84	1.85	2.78	1.79	1.13	0.23	0.26	0.26	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

MEAN	153	368	882	1,120	1,287	1,394	894	701	448	258	183	164
MAX	1,136	1,869	3,138	4,630	4,438	4,309	3,332	3,747	2,686	1,708	963	2,101
(WY)	(2005)	(2005)	(1979)	(1950)	(1989)	(1964)	(1948)	(1983)	(1997)	(1998)	(1992)	(1979)
MIN	5.94	12.1	17.3	33.8	64.5	145	119	51.8	31.7	15.9	17.7	9.21
(WY)	(1944)	(1944)	(1944)	(1944)	(1944)	(1941)	(1918)	(1941)	(1944)	(1944)	(1948)	(1953)

03289500 ELKHORN CREEK NEAR FRANKFORT, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1916 - 2005	
ANNUAL TOTAL	421,137		290,773		652	
ANNUAL MEAN	1,151		797		126	
HIGHEST ANNUAL MEAN					1,103	1997
LOWEST ANNUAL MEAN					126	1954
HIGHEST DAILY MEAN	16,300	May 31	7,650	Oct 20	25,000	Feb 16, 1989
LOWEST DAILY MEAN	106	Oct 11	26	Aug 13	0.00	Jan 7, 1940
ANNUAL SEVEN-DAY MINIMUM	119	Oct 7	30	Aug 8	0.00	Jan 7, 1940
MAXIMUM PEAK FLOW			8,990	Oct 20	35,900	Mar 4, 1997
MAXIMUM PEAK STAGE			10.06	Oct 20	17.96	Mar 3, 1997
ANNUAL RUNOFF (CFSM)	2.86		1.98		1.62	
ANNUAL RUNOFF (INCHES)	38.93		26.88		22.01	
10 PERCENT EXCEEDS	2,550		2,040		1,630	
50 PERCENT EXCEEDS	608		416		215	
90 PERCENT EXCEEDS	229		45		35	



03290500 KENTUCKY RIVER AT LOCK 2 AT LOCKPORT, KY

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

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

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

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,950	12,300	35,700	10,600	15,200	9,570	e22,900	37,700	1,580	602	691	5,320
2	3,550	15,200	44,600	10,300	14,700	11,700	22,900	50,100	1,490	571	677	3,210
3	3,170	15,900	46,300	16,800	13,500	15,400	33,900	51,400	1,440	639	632	1,930
4	2,260	19,600	42,500	16,400	12,000	15,500	41,600	34,800	1,430	955	574	1,300
5	2,340	35,400	25,300	18,600	10,700	12,600	39,400	17,700	1,430	1,300	503	959
6	2,590	29,000	18,300	23,700	9,250	11,100	27,600	13,400	1,430	1,380	456	775
7	2,670	23,200	25,100	27,900	8,590	9,830	19,900	10,600	1,490	1,250	443	640
8	2,290	16,200	32,200	37,100	8,680	14,900	16,600	8,650	1,580	1,070	451	546
9	1,900	12,000	31,600	47,500	8,310	23,000	14,400	7,260	1,580	943	383	466
10	1,530	9,480	29,800	49,000	8,340	20,100	12,600	5,850	1,540	842	347	401
11	1,290	10,700	31,800	38,700	7,960	17,700	10,600	4,620	1,670	837	338	364
12	1,530	22,200	38,500	24,800	7,820	15,500	9,580	3,980	1,780	1,140	323	333
13	1,790	17,500	34,700	20,000	8,210	13,800	8,720	3,660	1,880	1,360	314	296
14	2,340	13,000	25,600	22,500	11,300	12,400	8,020	3,290	2,070	1,360	322	267
15	2,800	10,800	20,500	25,300	12,900	11,200	6,950	3,650	2,290	1,430	322	254
16	2,670	9,740	16,500	25,500	15,800	9,840	8,600	3,770	2,010	1,490	415	219
17	2,290	8,720	13,700	22,600	17,500	8,870	11,200	3,190	1,630	1,620	473	202
18	2,310	7,820	11,200	18,500	15,400	7,860	9,700	2,790	1,340	2,000	483	201
19	20,300	9,860	9,710	15,600	13,200	7,820	7,430	4,400	1,170	2,390	588	180
20	29,800	8,810	8,700	14,000	11,300	7,700	6,220	10,500	1,050	2,710	600	224
21	19,600	8,090	7,490	10,600	10,400	6,770	5,760	6,380	949	2,880	574	201
22	12,800	7,620	7,010	8,850	12,300	7,110	5,070	5,310	846	3,260	605	169
23	8,370	7,180	14,800	8,170	15,400	7,370	5,590	5,330	760	3,390	617	158
24	7,380	8,850	18,600	7,580	15,600	6,780	4,920	4,840	726	2,800	651	137
25	7,610	11,600	13,900	6,930	14,100	6,240	4,630	3,990	776	1,990	636	131
26	7,370	12,800	11,500	6,440	12,100	5,870	4,880	3,320	826	1,540	591	153
27	8,420	13,500	10,200	6,160	10,500	7,790	5,280	2,870	801	1,220	546	145
28	16,200	13,400	9,090	5,970	9,440	e11,900	5,280	2,530	702	971	579	139
29	22,800	13,300	8,610	6,020	---	e17,800	6,220	2,200	642	803	1,050	160
30	20,000	12,700	12,000	8,700	---	e29,700	15,000	1,950	653	717	2,690	166
31	14,200	---	11,000	12,900	---	e28,800	---	1,720	---	692	6,420	---
TOTAL	238,120	416,470	666,510	573,720	330,500	392,520	401,450	321,750	39,561	46,152	24,294	19,646
MEAN	7,681	13,880	21,500	18,510	11,800	12,660	13,380	10,380	1,319	1,489	784	655
MAX	29,800	35,400	46,300	49,000	17,500	29,700	41,600	51,400	2,290	3,390	6,420	5,320
MIN	1,290	7,180	7,010	5,970	7,820	5,870	4,630	1,720	642	571	314	131

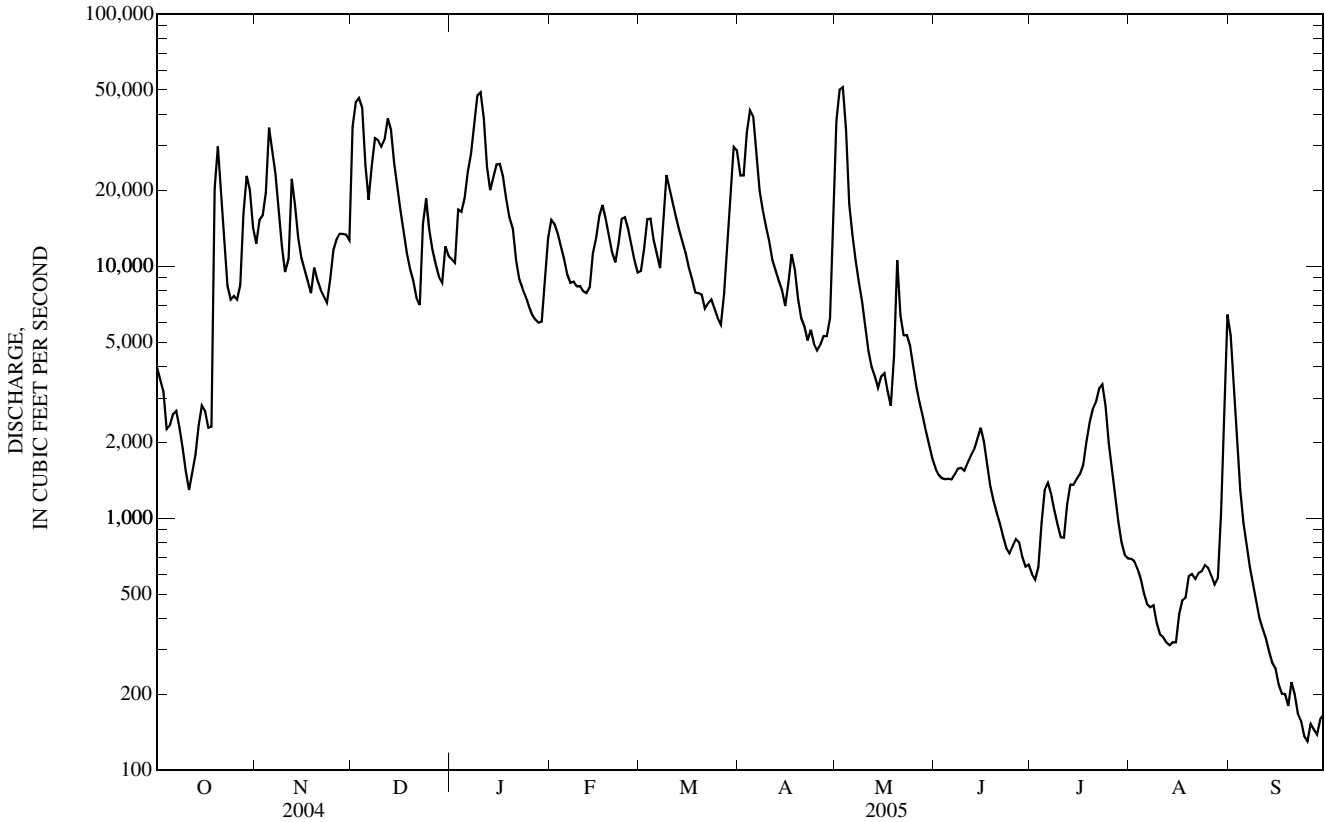
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	2,663	5,849	11,290	12,860	15,480	16,210	12,270	10,710	6,956	2,970	2,452	2,541
MAX	14,120	13,960	39,510	32,950	40,180	37,680	26,630	34,340	23,380	8,458	8,589	14,740
(WY)	(1990)	(1987)	(1979)	(1979)	(1989)	(1997)	(1994)	(1983)	(1997)	(1998)	(1992)	(1979)
MIN	421	511	1,849	770	5,952	4,423	2,074	1,832	508	545	307	187
(WY)	(2000)	(2000)	(2000)	(1981)	(2002)	(1983)	(1986)	(1986)	(1988)	(1999)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005	
ANNUAL TOTAL	5,003,980		3,470,693		8,486	
ANNUAL MEAN	13,670		9,509		3,891	
HIGHEST ANNUAL MEAN					14,030	1979
LOWEST ANNUAL MEAN					3,891	1988
HIGHEST DAILY MEAN	88,000	Jun 1	51,400	May 3	121,000	Dec 11, 1978
LOWEST DAILY MEAN	1,290	Oct 11	131	Sep 25	112	Sep 16, 1999
ANNUAL SEVEN-DAY MINIMUM	1,790	Sep 2	146	Sep 23	125	Sep 10, 1999
MAXIMUM PEAK FLOW			52,500	May 3	123,000	Jan 26, 1937
MAXIMUM PEAK STAGE			30.61	Jan 10	56.85	Jan 24, 1937
10 PERCENT EXCEEDS	33,000		23,100		21,300	
50 PERCENT EXCEEDS	8,840		7,110		4,070	
90 PERCENT EXCEEDS	2,900		529		617	

e Estimated



KENTUCKY RIVER BASIN

03291500 EAGLE CREEK AT GLENCOE, KY

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

DRAINAGE AREA.--437 mi².

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

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

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

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	0400	17,600	15.88	Mar 28	0900	*25,800	*19.34
Jan 3	1800	19,900	16.98	Aug 30	2300	14,500	14.32
Jan 6	1100	13,100	13.55				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	69	4,740	2,350	689	424	724	2,030	42	9.0	6.1	1,010
2	3.0	3,220	2,090	2,520	471	456	797	515	39	11	5.7	328
3	2.3	3,790	692	10,100	391	344	1,580	314	36	13	5.4	170
4	2.3	2,460	455	9,850	435	301	694	241	35	12	4.9	98
5	2.2	3,130	353	10,000	404	389	456	199	36	12	4.5	63
6	2.5	694	330	10,100	356	587	365	171	39	12	4.0	45
7	3.2	398	2,480	3,750	335	383	319	153	51	10	3.5	35
8	4.3	296	4,030	3,940	839	1,330	286	139	108	9.1	3.4	28
9	5.5	233	1,280	2,460	820	762	251	126	37	8.0	3.3	23
10	6.2	194	2,730	1,020	829	452	220	114	26	6.9	3.1	20
11	7.2	2,340	1,880	1,940	597	371	204	104	22	6.5	3.4	17
12	9.4	13,400	971	2,280	428	344	192	98	27	6.3	4.5	15
13	15	3,280	610	1,560	456	319	279	88	38	7.3	4.1	13
14	19	774	435	4,820	1,980	291	375	105	59	9.3	4.4	12
15	25	445	345	1,530	1,970	265	246	200	42	9.9	3.9	9.5
16	61	340	297	712	858	247	204	132	49	15	4.9	9.2
17	73	288	277	513	537	238	166	102	32	46	5.4	8.6
18	e63	253	254	395	420	231	150	84	44	41	5.8	6.9
19	e1,810	2,910	238	371	356	223	141	122	36	26	524	6.2
20	e627	2,520	198	346	324	234	134	2,390	27	20	313	7.5
21	e260	766	194	325	332	231	129	597	21	28	96	7.6
22	e100	433	277	275	315	240	128	254	18	34	43	7.3
23	128	337	3,430	256	303	534	925	158	15	27	27	7.7
24	106	1,710	2,310	239	294	814	1,330	115	13	21	19	10
25	467	3,140	607	236	289	386	459	88	11	16	14	10
26	227	1,010	402	239	281	320	318	73	10	14	12	11
27	132	507	319	224	275	528	629	70	8.9	11	12	12
28	155	511	284	223	276	16,400	545	63	8.1	9.6	10	12
29	188	558	265	228	---	5,260	300	57	7.8	8.3	10	12
30	123	439	4,030	747	---	1,340	2,290	51	7.0	7.2	3,140	11
31	80	---	6,630	1,400	---	689	---	47	---	6.4	5,760	---
TOTAL	4,710.9	50,445	43,433	74,949	15,860	34,933	14,836	9,000	944.8	472.8	10,060.3	2,025.5
MEAN	152	1,682	1,401	2,418	566	1,127	495	290	31.5	15.3	325	67.5
MAX	1,810	13,400	6,630	10,100	1,980	16,400	2,290	2,390	108	46	5,760	1,010
MIN	2.2	69	194	223	275	223	128	47	7.0	6.3	3.1	6.2
CFSM	0.35	3.85	3.21	5.53	1.30	2.58	1.13	0.66	0.07	0.03	0.74	0.15
IN.	0.40	4.29	3.70	6.38	1.35	2.97	1.26	0.77	0.08	0.04	0.86	0.17

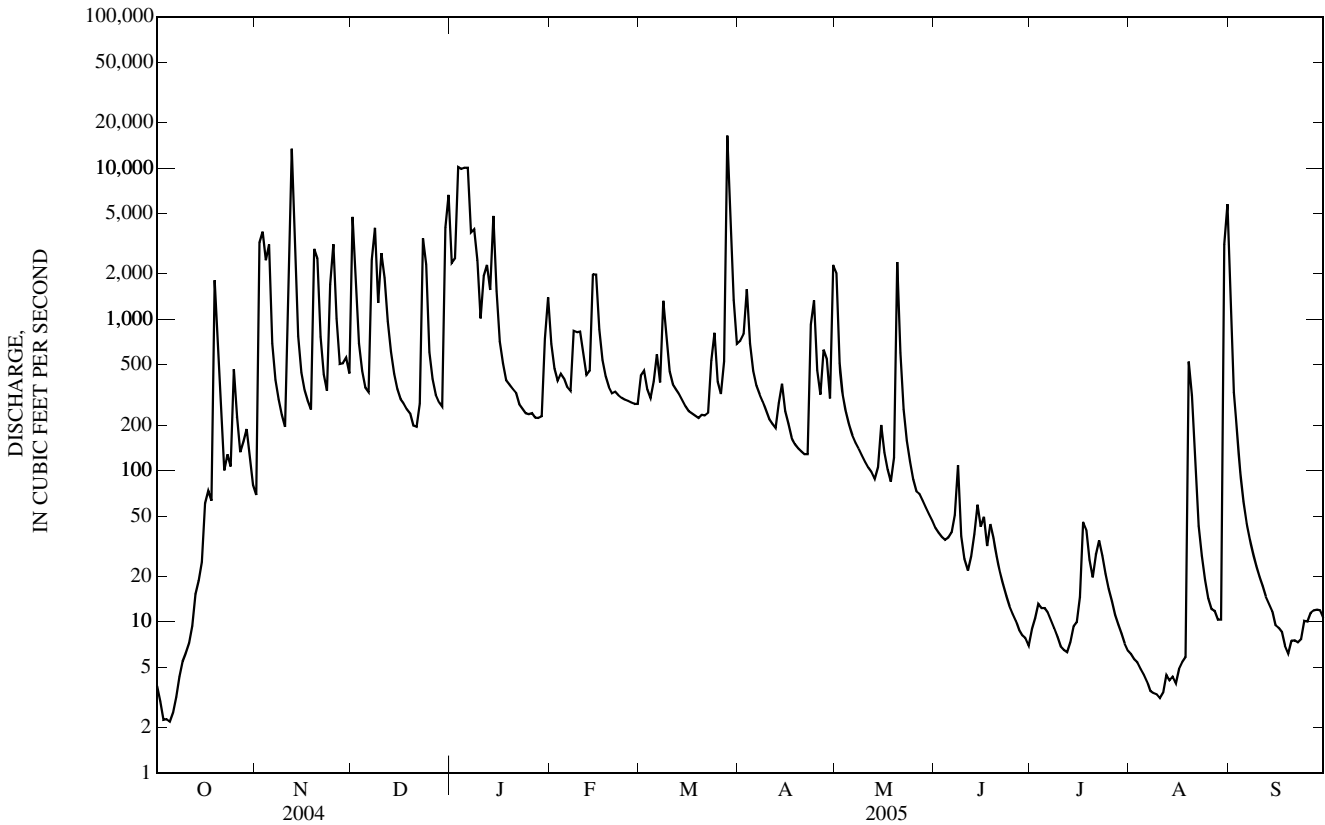
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

MEAN	114	375	662	964	1,068	1,255	905	702	467	243	137	120
MAX	1,005	1,682	1,874	3,170	3,295	5,197	2,910	3,190	2,673	1,016	755	1,355
(WY)	(1976)	(2005)	(1952)	(1950)	(1956)	(1964)	(1948)	(1996)	(1997)	(1957)	(1977)	(1965)
MIN	0.00	0.00	0.00	2.85	44.6	120	131	25.5	1.56	0.14	0.00	0.00
(WY)	(1931)	(1931)	(1931)	(1931)	(1954)	(1941)	(1976)	(1930)	(1930)	(1930)	(1930)	(1930)

03291500 EAGLE CREEK AT GLENCOE, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1916 - 2005	
ANNUAL TOTAL	305,765.7		261,670.3		581	
ANNUAL MEAN	835		717		1,059	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					117	
HIGHEST DAILY MEAN	13,400	Nov 12	16,400	Mar 28	39,300	Mar 10, 1964
LOWEST DAILY MEAN	2.2	Oct 5	2.2	Oct 5	0.00	Jul 15, 1930
ANNUAL SEVEN-DAY MINIMUM	2.8	Oct 1	2.8	Oct 1	0.00	Jul 15, 1930
MAXIMUM PEAK FLOW			25,800	Mar 28	58,300	Mar 2, 1997
MAXIMUM PEAK STAGE			19.34	Mar 28	29.08	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	1.91		1.64		1.33	
ANNUAL RUNOFF (INCHES)	26.03		22.27		18.05	
10 PERCENT EXCEEDS	2,490		2,050		1,330	
50 PERCENT EXCEEDS	244		224		102	
90 PERCENT EXCEEDS	18		7.2		1.4	

e Estimated



03292470 HARRODS CREEK AT HIGHWAY 329 NEAR GOSHEN, KY

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

DRAINAGE AREA.--70.3 mi².

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

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

REMARKS.--Records fair 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 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 11	2300	5,310	7.48	Jan 6	0815	5,990	7.88
Jan 3	1255	*10,100	*10.44	Mar 28	0520	7,720	8.90
Jan 5	1345	5,150	7.38	May 20	0140	7,420	8.73

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	21	328	1,270	76	121	138	148	9.2	2.5	1.5	53
2	1.1	925	150	646	66	82	127	95	9.7	2.6	1.4	17
3	1.4	406	93	4,780	65	69	109	71	10	2.4	1.3	6.9
4	1.6	151	63	1,190	64	64	88	56	10	2.7	1.2	4.5
5	1.6	89	44	3,020	57	82	76	46	7.7	2.6	1.2	3.3
6	1.5	51	43	3,010	52	81	66	40	6.8	2.3	1.2	2.6
7	1.6	34	446	628	56	76	63	34	6.1	2.1	1.3	2.1
8	1.6	21	202	1,030	295	435	64	30	5.9	2.1	1.3	1.9
9	1.7	15	286	398	194	140	52	26	6.0	1.9	1.2	1.7
10	1.8	11	387	252	156	104	46	23	5.0	1.7	1.2	1.4
11	1.7	1,420	179	483	117	89	43	20	4.8	1.8	1.1	1.2
12	2.0	2,050	139	464	100	84	45	17	5.5	3.6	1.0	0.99
13	3.2	276	91	566	215	78	80	16	6.4	6.4	1.00	0.84
14	4.9	124	57	733	530	66	66	41	6.5	6.8	1.4	0.70
15	5.6	75	41	257	281	58	48	94	7.5	5.8	1.4	0.74
16	5.1	51	34	188	172	52	39	38	4.8	5.8	2.5	0.72
17	4.6	37	29	e110	122	49	34	25	3.9	6.4	4.3	0.60
18	31	29	24	e80	96	46	30	19	3.5	6.0	4.1	0.49
19	212	934	e12	e65	81	44	27	270	3.2	19	3.5	0.56
20	32	351	e7.0	e55	75	47	25	2,350	3.0	11	3.4	1.2
21	10	141	e12	e45	87	42	23	187	2.8	5.4	2.9	1.5
22	6.8	88	e14	e38	75	38	25	94	2.7	8.2	2.5	1.2
23	6.8	64	e17	e32	63	51	154	65	2.4	6.6	2.5	0.86
24	23	142	e21	e26	64	61	113	46	2.3	5.0	2.4	0.83
25	30	164	e26	e22	65	52	62	33	2.2	4.0	2.2	0.87
26	14	90	e24	e18	60	49	91	26	2.2	3.3	2.0	1.8
27	213	68	e22	e15	55	110	213	21	2.0	2.7	1.9	2.2
28	75	121	e20	e13	70	3,740	90	19	2.0	2.4	8.7	2.0
29	31	79	e30	e11	---	642	89	16	2.2	2.1	12	2.1
30	20	67	1,250	67	---	253	262	13	2.1	1.9	251	2.1
31	19	---	2,630	80	---	185	---	11	---	1.7	244	---
TOTAL	765.6	8,095	6,721.0	19,592	3,409	7,090	2,388	3,990	148.4	138.8	568.60	117.90
MEAN	24.7	270	217	632	122	229	79.6	129	4.95	4.48	18.3	3.93
MAX	213	2,050	2,630	4,780	530	3,740	262	2,350	10	19	251	53
MIN	1.0	11	7.0	11	52	38	23	11	2.0	1.7	1.0	0.49

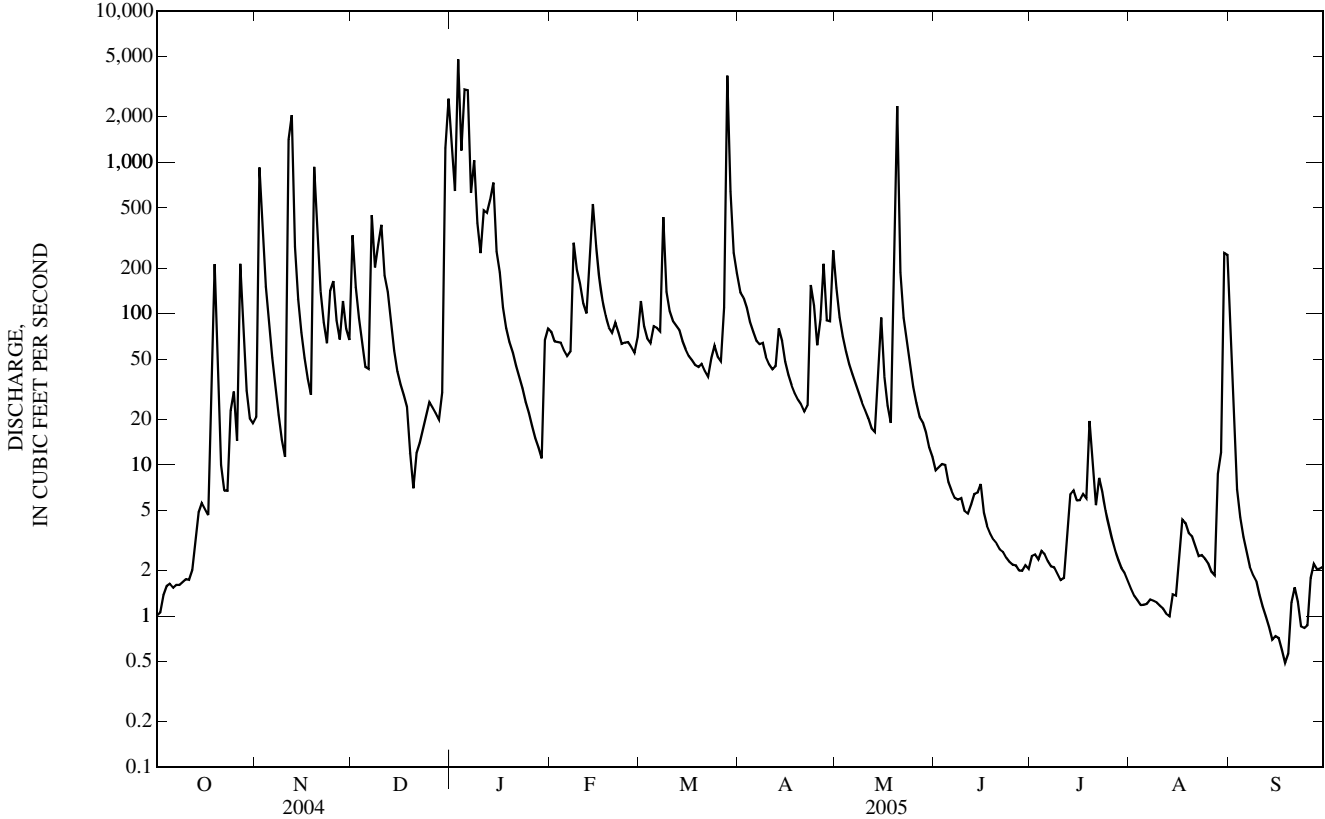
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	61.7	158	232	258	245	181	125	294	73.3	43.5	27.1	66.5
MAX	233	270	359	632	526	417	242	917	192	210	127	245
(WY)	(2002)	(2005)	(2002)	(2005)	(2000)	(2002)	(2002)	(2004)	(2002)	(2004)	(2003)	(2003)
MIN	1.99	3.33	83.5	40.6	121	77.0	25.9	16.5	4.95	4.48	0.29	0.09
(WY)	(2000)	(2000)	(2000)	(2001)	(1999)	(2003)	(2001)	(1999)	(2005)	(2005)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	77,531.91		53,024.30		158	
ANNUAL MEAN	212		145		75.2	
HIGHEST ANNUAL MEAN					226	2002
LOWEST ANNUAL MEAN					75.2	2001
HIGHEST DAILY MEAN	6,720	May 28	4,780	Jan 3	7,360	Feb 18, 2000
LOWEST DAILY MEAN	0.87	Sep 12	0.49	Sep 18	0.00	Sep 2, 1999
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 8	0.66	Sep 13	0.00	Sep 2, 1999
MAXIMUM PEAK FLOW			10,100	Jan 3	19,000	May 28, 2004
MAXIMUM PEAK STAGE			10.44	Jan 3	16.34	May 28, 2004
10 PERCENT EXCEEDS	373		255		283	
50 PERCENT EXCEEDS	41		29		32	
90 PERCENT EXCEEDS	1.7		1.6		2.2	

e Estimated



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

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

DRAINAGE AREA.--6.0 mi².

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

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

REMARKS.--Records good.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 19	2200	*460	*4.20	Aug 28	1830	321	3.27

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	11	19	107	5.0	7.3	17	13	1.9	5.7	0.12	12
2	0.05	59	15	72	4.7	5.5	16	11	2.8	0.79	0.09	7.8
3	0.05	35	13	147	5.9	4.9	13	8.6	3.3	0.49	0.05	5.6
4	0.04	22	11	104	5.3	4.6	11	7.0	3.9	0.39	0.04	4.3
5	0.04	14	9.8	106	4.8	e4.9	10	5.6	2.4	0.35	0.04	2.3
6	0.02	11	11	142	4.6	4.4	8.9	5.0	1.8	0.31	0.03	1.5
7	0.01	9.6	36	80	7.0	5.2	9.2	4.6	1.5	0.21	0.02	1.2
8	0.01	7.7	16	76	15	6.6	8.8	3.9	1.2	0.15	0.01	0.97
9	0.01	6.6	28	48	12	5.0	6.9	3.4	1.2	0.11	0.01	6.1
10	0.01	5.5	24	33	12	4.6	5.7	3.2	1.5	0.08	0.01	1.3
11	0.01	36	18	25	11	4.5	5.0	2.7	1.3	0.14	0.01	1.0
12	2.5	45	15	20	10	5.4	6.2	2.4	2.5	1.2	0.01	0.85
13	1.9	25	12	29	17	5.2	8.2	2.3	2.2	2.5	0.00	0.72
14	1.0	17	10	24	21	4.7	5.5	13	1.5	1.4	0.03	0.63
15	2.5	13	8.6	18	17	4.1	4.5	8.0	1.3	1.4	0.06	0.60
16	1.6	11	8.0	16	15	3.9	3.5	4.3	0.88	4.8	7.7	0.53
17	1.4	9.3	7.4	14	13	3.9	3.3	3.3	0.75	2.0	1.7	0.52
18	47	8.2	6.9	12	11	3.7	3.0	2.8	0.63	1.3	0.80	0.52
19	35	32	6.2	12	10	4.1	2.8	47	0.53	1.4	1.1	0.48
20	11	21	5.2	11	9.6	4.0	2.6	64	0.49	0.98	0.83	3.8
21	5.6	17	4.9	9.6	9.7	3.3	2.6	24	0.44	0.79	0.54	1.3
22	5.1	14	11	8.7	7.8	3.6	3.6	15	0.39	5.3	0.36	0.90
23	5.9	13	e9.0	7.4	6.4	5.2	6.6	12	0.35	2.2	0.27	0.75
24	11	18	e8.0	6.8	6.4	4.6	4.7	9.2	0.35	1.3	0.17	0.64
25	6.0	15	e6.0	6.3	5.5	3.9	3.5	7.7	0.31	0.91	0.10	0.74
26	5.7	12	5.4	5.4	4.9	3.6	8.6	6.6	0.27	0.70	0.14	2.1
27	27	13	4.8	4.7	4.6	15	8.0	5.0	0.22	0.55	0.38	1.4
28	12	14	4.7	3.8	6.9	113	5.5	3.5	0.21	0.46	23	1.0
29	8.7	11	9.9	5.8	---	44	10	3.0	0.21	0.33	8.9	1.5
30	8.5	14	47	6.9	---	27	25	2.6	0.18	0.23	57	1.0
31	8.0	---	99	5.6	---	22	---	2.3	---	0.15	34	---
TOTAL	207.71	539.9	489.8	1,167.0	263.1	341.7	229.2	306.0	36.51	38.62	137.52	64.05
MEAN	6.70	18.0	15.8	37.6	9.40	11.0	7.64	9.87	1.22	1.25	4.44	2.13
MAX	47	59	99	147	21	113	25	64	3.9	5.7	57	12
MIN	0.01	5.5	4.7	3.8	4.6	3.3	2.6	2.3	0.18	0.08	0.00	0.48
CFSM	1.12	3.00	2.63	6.27	1.57	1.84	1.27	1.65	0.20	0.21	0.74	0.36
IN.	1.29	3.35	3.04	7.24	1.63	2.12	1.42	1.90	0.23	0.24	0.85	0.40

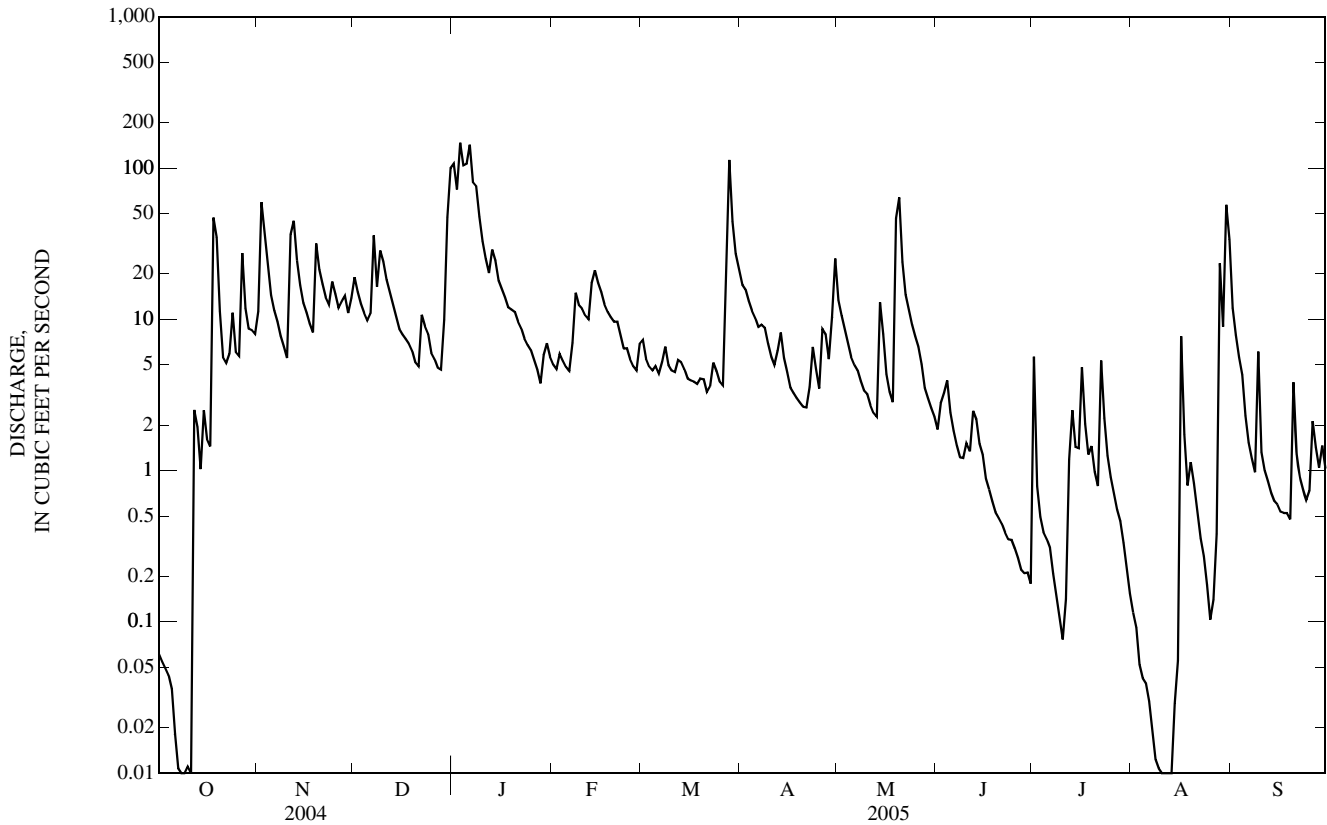
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	4.33	6.78	12.3	15.2	13.1	18.3	8.52	12.4	10.5	5.52	3.46	3.59
MAX	13.4	18.0	21.8	37.6	27.5	77.1	16.5	27.6	26.4	18.0	9.88	15.5
(WY)	(2002)	(2005)	(1997)	(2005)	(2000)	(1997)	(2002)	(2003)	(2003)	(2004)	(2003)	(2003)
MIN	0.57	0.48	3.74	3.16	7.37	6.83	3.56	2.46	1.22	0.84	0.15	0.32
(WY)	(1998)	(2000)	(1999)	(2001)	(2002)	(2001)	(2001)	(1999)	(2005)	(2002)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	4,388.82		3,821.11		9.49	
ANNUAL MEAN	12.0		10.5		5.00	
HIGHEST ANNUAL MEAN					14.8	1997
LOWEST ANNUAL MEAN					5.00	2001
HIGHEST DAILY MEAN	163	Jul 17	147	Jan 3	800	Mar 2, 1997
LOWEST DAILY MEAN	0.01	Oct 7	0.00	Aug 13	0.00	Aug 13, 2005
ANNUAL SEVEN-DAY MINIMUM	0.02	Oct 5	0.01	Aug 7	0.01	Aug 7, 2005
MAXIMUM PEAK FLOW			460	May 19	4,050	Jun 14, 2003
MAXIMUM PEAK STAGE			4.20	May 19	6.03	Jun 14, 2003
ANNUAL RUNOFF (CFSM)	2.00		1.74		1.58	
ANNUAL RUNOFF (INCHES)	27.21		23.69		21.50	
10 PERCENT EXCEEDS	27		23		19	
50 PERCENT EXCEEDS	7.6		5.0		4.3	
90 PERCENT EXCEEDS	0.57		0.21		0.49	

e Estimated



03292475 GOOSE CREEK AT HIGHWAY 42 AT GLENVIEW ACRES, KY

LOCATION.--Lat 38°18'12", long 85°37'41", Jefferson County, Hydrologic Unit 05140101, on downstream side of culvert on U.S. Highway 42, 0.5 mi northeast of Glenview Acres, 1.7 mi above Little Goose Creek, and at mile 2.1.

DRAINAGE AREA.--10.1 mi².

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.66	12	20	74	7.2	11	17	15	3.8	7.0	1.3	12
2	0.61	56	16	49	7.0	9.5	16	12	4.5	2.7	1.3	8.5
3	0.57	31	14	117	8.1	8.7	14	10	4.9	2.2	1.3	9.0
4	0.55	24	12	72	8.0	8.4	13	8.7	5.4	1.9	1.2	5.8
5	0.49	16	11	78	7.2	8.7	12	7.7	4.3	1.7	1.2	4.8
6	0.48	13	12	108	6.9	8.2	11	7.1	3.8	1.6	1.3	3.9
7	0.47	12	29	77	9.0	8.7	11	6.8	3.3	1.4	1.4	3.4
8	0.46	10	18	101	17	10	11	6.3	5.1	1.4	1.4	3.0
9	0.47	9.2	23	e62	14	8.8	9.7	5.9	4.7	1.3	1.4	14
10	0.48	8.7	22	e42	13	8.2	8.9	5.8	3.8	1.3	1.3	4.6
11	0.45	39	18	e31	11	8.3	8.3	5.4	3.8	1.6	1.4	3.5
12	0.85	46	16	e26	11	9.4	10	5.0	5.2	3.8	1.6	3.1
13	1.7	24	14	e36	17	9.4	13	5.0	5.0	5.5	1.8	2.7
14	1.0	17	12	e29	21	8.8	9.3	16	3.9	4.5	2.4	2.6
15	1.5	14	11	e22	17	8.3	8.1	10	3.4	3.6	2.0	e2.4
16	1.1	12	e10	e19	15	8.0	7.4	7.5	2.9	4.6	7.9	e2.2
17	0.83	11	e9.3	e17	13	8.0	6.9	6.4	2.5	4.4	4.4	2.1
18	41	11	e8.6	e14	12	7.8	6.7	5.9	2.3	3.5	2.9	e1.9
19	41	29	e8.0	e12	12	8.1	6.3	7.7	2.1	9.2	3.4	e1.8
20	15	21	e7.5	11	12	8.2	6.1	6.2	1.9	3.7	2.9	5.8
21	9.8	17	e7.0	10	12	7.7	6.0	20	1.9	3.1	2.4	e2.7
22	8.6	14	e27	9.5	10	7.9	8.4	12	1.7	9.4	2.0	e1.9
23	9.1	13	e17	8.6	9.6	9.8	9.8	10	1.6	5.2	1.8	e1.6
24	13	18	e12	8.2	9.6	9.1	8.2	8.6	1.5	3.8	1.7	e1.4
25	9.8	15	e10.5	7.9	9.1	8.4	7.9	7.6	1.5	3.2	1.5	e2.0
26	10	13	9.5	7.3	8.4	8.2	12	6.8	1.4	2.8	1.7	e4.5
27	28	14	8.6	6.7	8.1	19	11	6.2	2.5	2.4	1.8	e2.6
28	13	16	8.3	6.2	9.9	100	9.1	5.5	2.4	2.1	13	e2.0
29	11	13	12	7.7	---	40	13	4.8	1.8	1.9	10	3.3
30	11	14	39	8.8	---	26	26	4.4	1.5	1.6	5.2	2.7
31	9.4	---	68	7.9	---	22	---	4.2	---	1.4	30	---
TOTAL	242.37	562.9	510.3	1,085.8	315.1	432.6	317.1	375.6	94.4	103.8	161.7	121.8
MEAN	7.82	18.8	16.5	35.0	11.3	14.0	10.6	12.1	3.15	3.35	5.22	4.06
MAX	41	56	68	117	21	100	26	77	5.4	9.4	52	14
MIN	0.45	8.7	7.0	6.2	6.9	7.7	6.0	4.2	1.4	1.3	1.2	1.4
CFSM	0.77	1.86	1.63	3.47	1.11	1.38	1.05	1.20	0.31	0.33	0.52	0.40
IN.	0.89	2.07	1.88	4.00	1.16	1.59	1.17	1.38	0.35	0.38	0.60	0.45

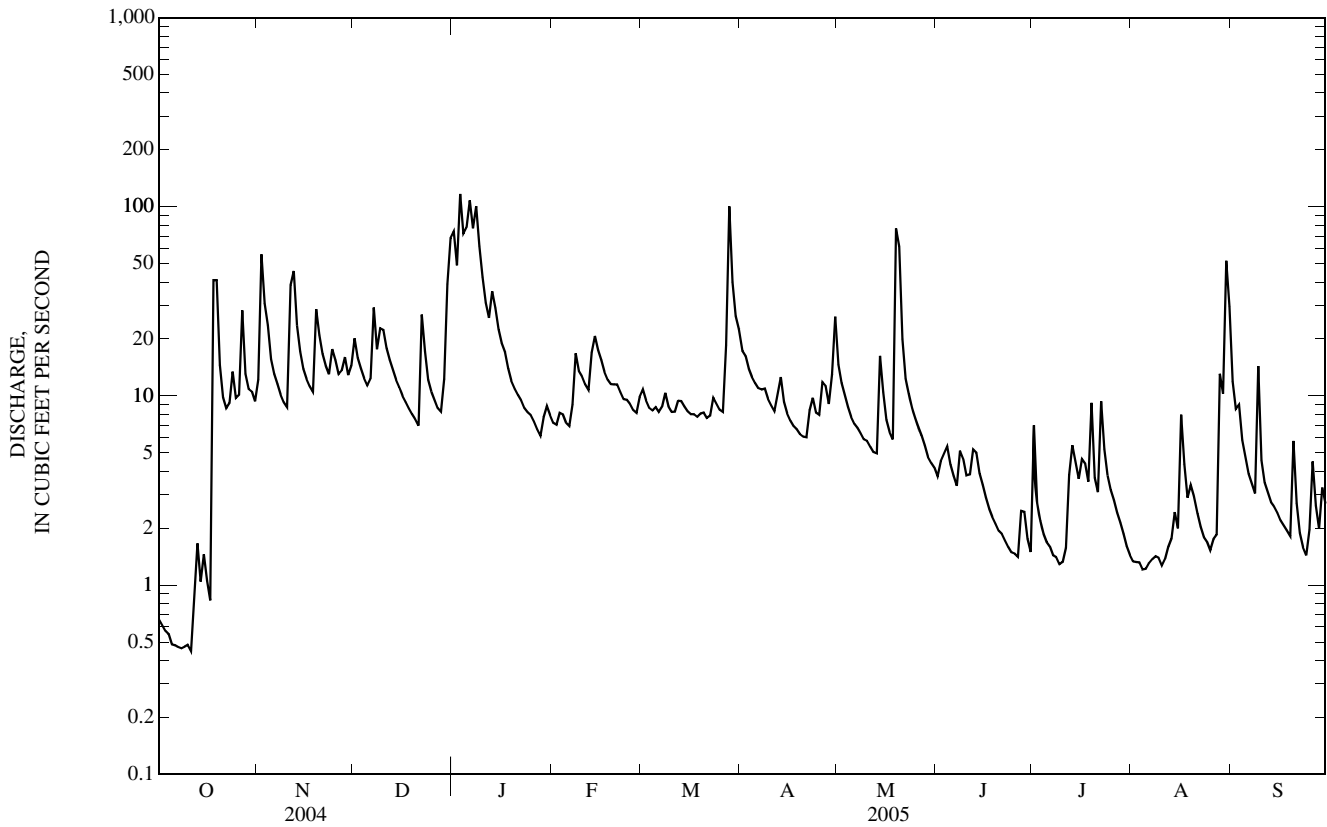
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	10.2	13.8	20.3	19.9	23.6	18.3	16.5	25.1	9.94	6.31	4.62	9.81
MEAN	10.2	13.8	20.3	19.9	23.6	18.3	16.5	25.1	9.94	6.31	4.62	9.81
MAX	21.8	18.8	34.1	35.0	41.5	37.2	30.8	49.5	20.4	18.0	8.36	19.4
(WY)	(2002)	(2005)	(2003)	(2005)	(2000)	(2002)	(2002)	(2003)	(2003)	(2004)	(2003)	(2000)
MIN	2.17	4.19	12.7	1.99	11.3	10.3	6.85	5.09	3.15	1.64	0.71	0.86
(WY)	(2001)	(2001)	(2004)	(2001)	(2005)	(2001)	(2001)	(2000)	(2005)	(2002)	(2002)	(2004)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	4,826.72		4,323.47		15.0	
ANNUAL MEAN	13.2		11.8		21.8	
HIGHEST ANNUAL MEAN					8.28	2003
LOWEST ANNUAL MEAN					560	2001
HIGHEST DAILY MEAN	161	Jul 17	117	Jan 3	560	Feb 18, 2000
LOWEST DAILY MEAN	0.45	Oct 11	0.45	Oct 11	0.04	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.47	Oct 5	0.47	Oct 5	0.08	Aug 29, 2002
MAXIMUM PEAK FLOW			1,070	May 19	2,460	Jan 24, 2002
MAXIMUM PEAK STAGE			b 7.85	Jan 12	7.85	Jan 12, 2005
ANNUAL RUNOFF (CFSM)	1.31		1.17		1.49	
ANNUAL RUNOFF (INCHES)	17.78		15.92		20.22	
10 PERCENT EXCEEDS	28		23		36	
50 PERCENT EXCEEDS	9.7		8.2		7.9	
90 PERCENT EXCEEDS	1.0		1.5		1.3	

e Estimated
b Backwater



03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY

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

DRAINAGE AREA.--5.8 mi².

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

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

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 18	2205	321	5.76	Mar 28	0240	357	5.94
Oct 19	0140	347	5.89	May 19	2240	*704	*7.58
Nov 2	1240	307	5.69	Aug 28	1925	446	6.39
Jan 3	1015	385	6.08	Aug 30	1255	299	5.65
Jan 6	0625	317	5.74				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

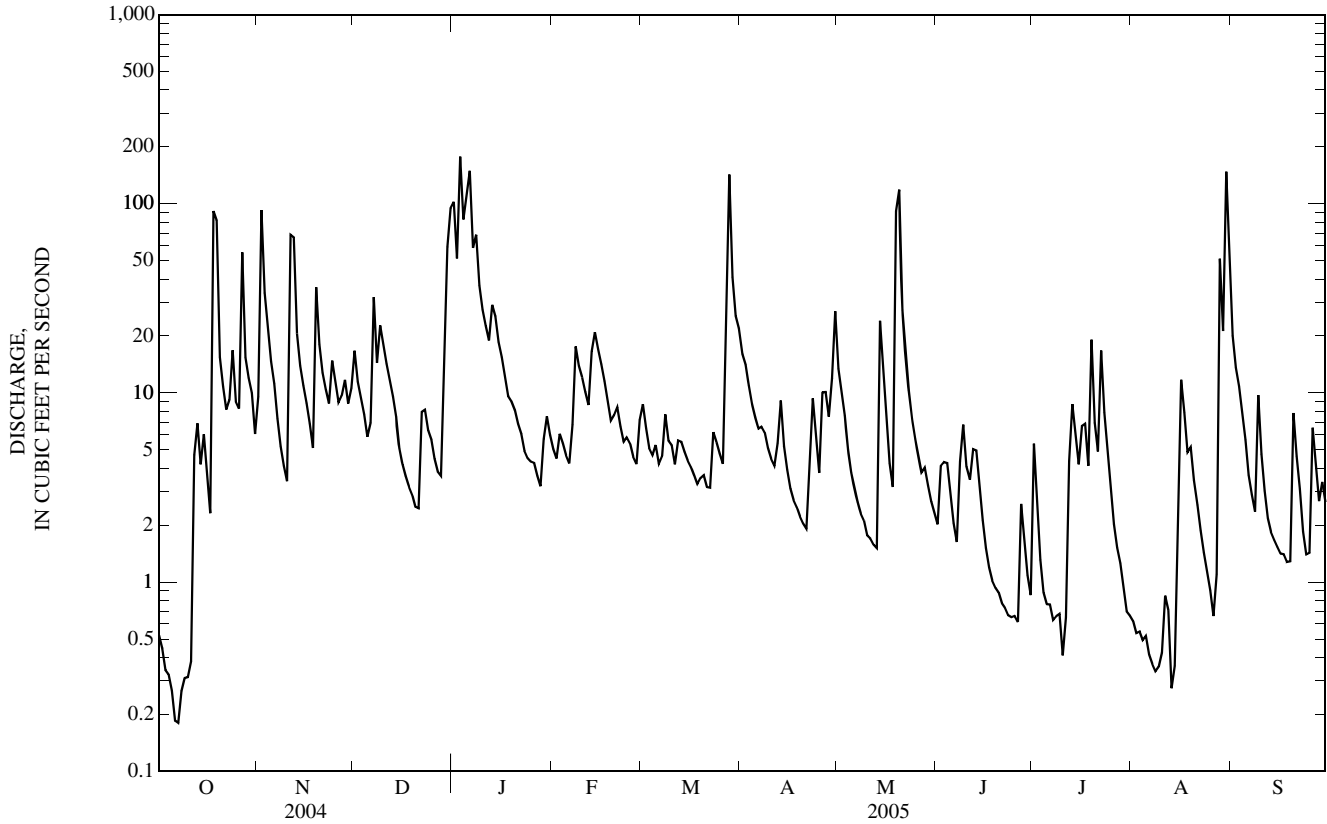
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	9.5	17	102	5.0	8.7	16	13	2.0	5.4	0.62	20
2	0.44	93	11	51	4.5	6.5	14	10	4.1	2.5	0.54	14
3	0.34	34	9.4	178	6.1	5.1	11	7.6	4.3	1.3	0.55	11
4	0.32	23	7.7	83	5.4	4.7	8.7	5.0	4.3	0.88	0.49	8.0
5	0.27	15	5.9	112	4.7	5.3	7.5	3.8	2.9	0.76	0.52	5.7
6	0.18	11	6.9	149	4.2	4.2	6.5	3.2	2.0	0.76	0.41	3.7
7	0.18	7.3	32	58	6.8	4.6	6.6	2.6	1.6	0.63	0.37	2.9
8	0.27	5.2	14	69	18	7.7	6.2	2.3	4.3	0.66	0.34	2.4
9	0.31	4.1	23	37	14	5.6	5.1	2.1	6.8	0.68	0.36	9.7
10	0.31	3.4	18	28	12	5.3	4.5	1.8	4.1	0.41	0.42	4.7
11	0.38	69	14	23	10	4.2	4.1	1.7	3.5	0.65	0.85	3.0
12	4.7	67	12	19	8.6	5.6	5.4	1.6	5.0	4.4	0.71	2.2
13	6.9	21	9.6	29	17	5.5	9.1	1.5	5.0	8.7	0.27	1.8
14	4.2	14	7.5	25	21	4.9	5.2	24	3.2	6.0	0.36	1.7
15	6.1	11	5.1	19	17	4.4	3.9	13	2.1	4.2	1.7	1.5
16	3.6	8.8	4.2	15	14	4.1	3.1	7.3	1.5	6.7	12	1.4
17	2.3	6.9	3.6	12	12	3.7	2.7	4.2	1.2	6.9	7.9	1.4
18	91	5.1	3.2	9.6	9.2	3.3	2.5	3.2	1.0	4.1	4.8	1.3
19	82	36	2.9	9.0	7.1	3.5	2.2	92	0.93	19	5.2	1.3
20	15	18	2.5	8.1	7.6	3.7	2.0	119	0.88	6.9	3.5	7.8
21	11	13	2.4	6.8	8.4	3.2	1.9	27	0.77	4.9	2.6	4.6
22	8.1	10	7.9	6.1	6.6	3.2	3.8	17	0.73	17	1.9	3.1
23	9.2	8.8	8.1	4.9	5.5	6.2	9.4	10	0.67	7.9	1.4	1.8
24	17	15	6.3	4.5	5.8	5.5	5.9	7.3	0.65	5.3	1.1	1.4
25	9.0	11	5.7	4.3	5.4	4.8	3.8	5.7	0.66	3.4	0.90	1.4
26	8.3	8.9	4.5	4.3	4.6	4.2	10	4.6	0.61	2.0	0.66	6.5
27	55	9.7	3.8	3.6	4.2	17	10	3.8	2.6	1.5	1.1	4.3
28	15	12	3.6	3.2	7.2	143	7.5	4.0	1.7	1.3	51	2.7
29	12	8.8	12	5.7	---	41	12	3.2	1.1	0.95	21	3.4
30	10	11	59	7.5	---	25	27	2.7	0.85	0.70	148	2.6
31	6.1	---	95	6.0	---	22	---	2.3	---	0.66	62	---
TOTAL	380.02	570.5	417.8	1,092.6	251.9	375.7	217.6	406.5	71.05	127.14	333.57	137.3
MEAN	12.3	19.0	13.5	35.2	9.00	12.1	7.25	13.1	2.37	4.10	10.8	4.58
MAX	91	93	95	178	21	143	27	119	6.8	19	148	20
MIN	0.18	3.4	2.4	3.2	4.2	3.2	1.9	1.5	0.61	0.41	0.27	1.3
CFSM	2.11	3.28	2.32	6.08	1.55	2.09	1.25	2.26	0.41	0.71	1.86	0.79
IN.	2.44	3.66	2.68	7.01	1.62	2.41	1.40	2.61	0.46	0.82	2.14	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	8.60	12.1	17.9	19.0	15.7	13.9	10.6	16.5	8.32	7.63	5.22	6.82
MEAN	8.60	12.1	17.9	19.0	15.7	13.9	10.6	16.5	8.32	7.63	5.22	6.82
MAX	17.6	19.6	27.4	35.2	26.6	31.1	23.6	29.3	14.9	23.4	10.9	15.0
(WY)	(2002)	(2004)	(2000)	(2005)	(2000)	(2002)	(2002)	(2004)	(2002)	(2001)	(2003)	(2002)
MIN	0.77	3.06	9.84	2.06	9.00	5.08	2.38	3.49	2.37	1.77	0.41	0.66
(WY)	(2001)	(2000)	(1999)	(2001)	(2005)	(2001)	(2001)	(2000)	(2005)	(1999)	(1999)	(2004)

03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	4,753.67		4,381.68		12.2	
ANNUAL MEAN	13.0		12.0		7.96	
HIGHEST ANNUAL MEAN					16.2	2002
LOWEST ANNUAL MEAN					7.96	2001
HIGHEST DAILY MEAN	162	Jul 17	178	Jan 3	322	Feb 18, 2000
LOWEST DAILY MEAN	0.18	Oct 6	0.18	Oct 6	0.00	Aug 31, 1999
ANNUAL SEVEN-DAY MINIMUM	0.26	Oct 4	0.26	Oct 4	0.00	Aug 31, 1999
MAXIMUM PEAK FLOW			704	May 19	704	May 19, 2005
MAXIMUM PEAK STAGE			7.58	May 19	7.58	May 19, 2005
ANNUAL RUNOFF (CFSM)	2.24		2.07		2.10	
ANNUAL RUNOFF (INCHES)	30.49		28.10		28.49	
10 PERCENT EXCEEDS	31		23		27	
50 PERCENT EXCEEDS	6.9		5.2		4.9	
90 PERCENT EXCEEDS	0.83		0.72		0.88	



BEARGRASS CREEK BASIN

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 Creek, 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)
Oct 19	0025	*1,680	*13.16	May 19	2300	1,110	10.65
Nov 2	1245	1,020	10.16				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2.2	64	45	272	8.9	13	18	19	7.4	13	1.6	24
2	e2.6	395	21	166	12	8.9	20	13	17	5.7	1.5	13
3	e2.9	120	18	e449	18	7.7	15	11	37	4.7	1.9	9.5
4	e2.8	58	15	e263	12	7.1	12	8.8	16	4.2	2.4	7.5
5	e2.8	26	13	e247	9.6	8.6	11	7.3	7.4	4.2	3.7	5.6
6	e2.9	17	24	e404	8.8	7.1	10	6.6	6.1	3.8	2.7	5.7
7	e2.6	12	130	161	31	13	12	5.7	6.4	3.7	2.2	4.6
8	e2.3	10	32	182	48	16	10	6.0	5.3	3.7	2.8	4.3
9	e2.6	7.5	101	67	24	e8.4	8.8	6.0	4.7	3.4	2.0	45
10	e2.5	6.7	47	43	19	7.3	8.1	11	59	3.6	2.0	8.0
11	e2.7	192	35	32	16	7.7	8.2	5.5	15	6.6	1.9	5.9
12	e28	188	24	24	14	15	21	4.0	36	30	2.8	e6.0
13	e33	46	18	71	63	10	24	3.8	17	26	2.6	e4.7
14	e5.4	28	14	39	37	11	8.1	121	12	11	9.5	e4.0
15	e16	20	12	23	24	8.1	7.0	17	11	8.4	8.2	e3.6
16	e4.1	16	9.9	20	19	7.2	6.2	8.7	7.4	13	80	e3.5
17	e2.0	14	8.5	17	16	6.8	5.9	6.6	6.4	7.1	11	e2.0
18	e439	14	7.7	15	14	6.4	6.2	5.4	6.1	5.4	6.1	e2.7
19	536	149	7.4	14	12	9.7	5.9	115	5.8	4.8	5.4	e3.8
20	31	42	6.1	13	17	8.5	5.9	293	5.9	4.3	4.5	52
21	13	26	6.5	12	15	6.6	5.9	30	6.3	3.4	3.7	8.1
22	9.0	20	52	11	12	11	60	16	6.3	62	3.3	4.5
23	21	17	24	8.9	10	18	27	12	e5.3	8.5	3.4	3.1
24	49	68	14	8.1	11	9.2	9.3	7.8	e4.8	5.4	3.4	5.0
25	11	30	12	8.3	9.0	7.8	7.6	6.9	e4.7	3.8	3.3	6.8
26	11	20	10	8.0	8.0	6.8	41	9.0	e4.3	3.8	3.0	17
27	166	27	8.8	e6.7	7.7	72	16	15	e4.0	2.8	6.2	5.5
28	23	27	8.9	e5.7	18	375	13	7.8	e5.7	2.2	189	3.7
29	19	17	50	21	---	80	37	6.9	26	2.2	58	13
30	28	35	177	17	---	36	107	6.1	7.0	1.9	406	3.9
31	13	---	259	11	---	27	---	5.9	---	1.7	104	---
TOTAL	1,486.4	1,712.2	1,210.8	2,639.7	514.0	836.9	547.1	797.8	363.3	264.3	938.1	286.0
MEAN	47.9	57.1	39.1	85.2	18.4	27.0	18.2	25.7	12.1	8.53	30.3	9.53
MAX	536	395	259	449	63	375	107	293	59	62	406	52
MIN	2.0	6.7	6.1	5.7	7.7	6.4	5.9	3.8	4.0	1.7	1.5	2.0
CFSM	2.79	3.32	2.27	4.95	1.07	1.57	1.06	1.50	0.70	0.50	1.76	0.55
IN.	3.21	3.70	2.62	5.71	1.11	1.81	1.18	1.73	0.79	0.57	2.03	0.62

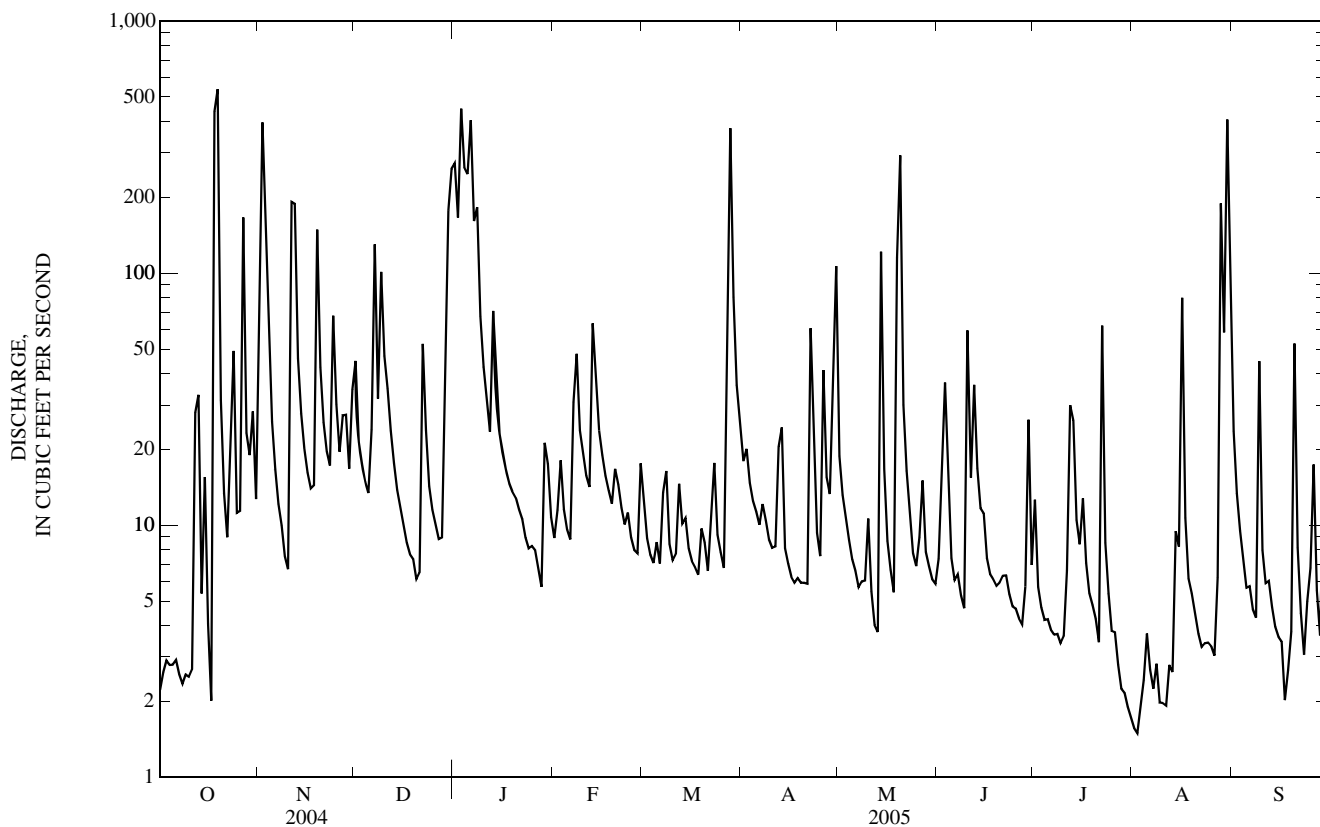
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)																												
	9.37	47.9	0.30	(1953)	15.3	57.1	0.84	(1953)	24.7	73.6	1.32	(1977)	33.0	125	0.71	(1940)	38.7	107	8.52	(1953)	43.0	201	6.41	(1983)	31.8	95.2	3.13	(1976)	30.1	103	5.51	(1962)	19.9	78.3	1.11	(1959)	15.9	126	0.89	(1956)	10.8	54.7	0.23	(1952)	9.02	86.3	0.00	(1953)

03292500 SOUTH FORK BEARGRASS CREEK AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	12,959.7		11,596.6		23.6	
ANNUAL MEAN	35.4		31.8		41.6	
HIGHEST ANNUAL MEAN					9.35	
LOWEST ANNUAL MEAN					1959	
HIGHEST DAILY MEAN	536	Oct 19	536	Oct 19	1,960	Mar 2, 1997
LOWEST DAILY MEAN	2.0	Oct 17	1.5	Aug 2	0.00	Sep 4, 1940
ANNUAL SEVEN-DAY MINIMUM	2.6	Sep 25	1.9	Jul 28	0.00	Sep 4, 1940
MAXIMUM PEAK FLOW			1,660	Oct 19	5,290	Mar 2, 1997
MAXIMUM PEAK STAGE			13.16	Oct 19	17.81	Mar 2, 1997
INSTANTANEOUS LOW FLOW					0.00	Sep 4, 1940
ANNUAL RUNOFF (CFSM)	2.06		1.85		1.37	
ANNUAL RUNOFF (INCHES)	28.03		25.08		18.63	
10 PERCENT EXCEEDS	88		62		50	
50 PERCENT EXCEEDS	13		10		8.0	
90 PERCENT EXCEEDS	4.2		3.4		1.2	

e Estimated



BEARGRASS CREEK BASIN

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

LOCATION.--Lat 38°14'04", long 85°43'50" (Revised), 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)
Oct 18	1945	1,610	7.24	May 20	0000	1,530	7.15
Oct 19	0040	*2,650	*8.14				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	59	54	305	10	17	30	35	13	17	3.9	36
2	3.3	419	27	137	12	11	33	25	30	5.8	3.1	22
3	3.3	118	22	471	23	9.2	24	21	51	4.6	2.9	15
4	3.3	65	18	256	14	8.4	20	19	33	4.1	3.2	11
5	3.1	36	15	225	11	10	18	16	16	4.1	11	8.0
6	3.2	24	30	467	9.7	8.0	17	15	14	4.1	3.5	7.7
7	2.7	19	130	171	33	14	19	14	15	4.0	3.2	6.4
8	2.7	15	40	205	57	24	16	14	13	4.1	3.3	5.7
9	2.7	11	94	85	31	11	13	14	12	4.0	3.1	52
10	2.7	9.0	55	54	25	9.1	12	23	70	3.8	2.9	11
11	2.9	192	42	41	20	9.5	11	16	27	8.0	2.8	6.5
12	30	206	29	33	18	18	28	12	50	48	2.8	6.9
13	36	54	23	78	68	13	40	11	e29	44	2.8	5.5
14	9.5	35	19	53	50	13	14	173	e19	16	13	4.7
15	24	24	16	32	33	9.9	11	33	18	12	9.7	4.3
16	4.5	20	14	27	25	8.6	9.7	18	9.3	22	95	4.1
17	2.3	17	11	22	20	8.2	9.0	14	8.0	11	16	2.4
18	524	18	9.7	19	18	7.7	8.7	11	7.3	6.8	6.1	3.2
19	755	150	8.8	18	16	11	7.8	135	6.7	6.0	5.3	4.5
20	44	53	7.1	17	23	10	7.6	446	6.5	5.2	4.9	68
21	20	34	7.3	15	20	7.3	7.4	51	7.1	4.7	4.2	11
22	12	25	54	13	15	14	99	32	6.6	85	3.9	5.5
23	31	22	28	10	12	31	49	25	5.6	13	3.6	3.4
24	55	69	26	9.2	14	15	18	19	5.2	7.3	3.8	3.4
25	16	39	15	9.3	11	12	14	16	5.0	5.7	3.6	6.8
26	16	24	13	8.8	9.8	11	52	14	4.7	5.4	3.1	27
27	160	31	11	7.1	9.0	78	29	22	4.6	4.7	4.5	6.8
28	30	36	11	6.0	23	515	22	13	6.5	4.1	212	4.5
29	23	20	48	26	---	111	53	11	48	3.9	86	18
30	31	36	171	23	---	54	147	10	9.2	3.6	518	5.2
31	16	---	283	13	---	46	---	10	---	3.6	129	---
TOTAL	1,872.1	1,880.0	1,331.9	2,856.4	630.5	1,124.9	839.2	1,288	550.3	375.6	1,170.2	376.5
MEAN	60.4	62.7	43.0	92.1	22.5	36.3	28.0	41.5	18.3	12.1	37.7	12.6
MAX	755	419	283	471	68	515	147	446	70	85	518	68
MIN	2.3	9.0	7.1	6.0	9.0	7.3	7.4	10	4.6	3.6	2.8	2.4

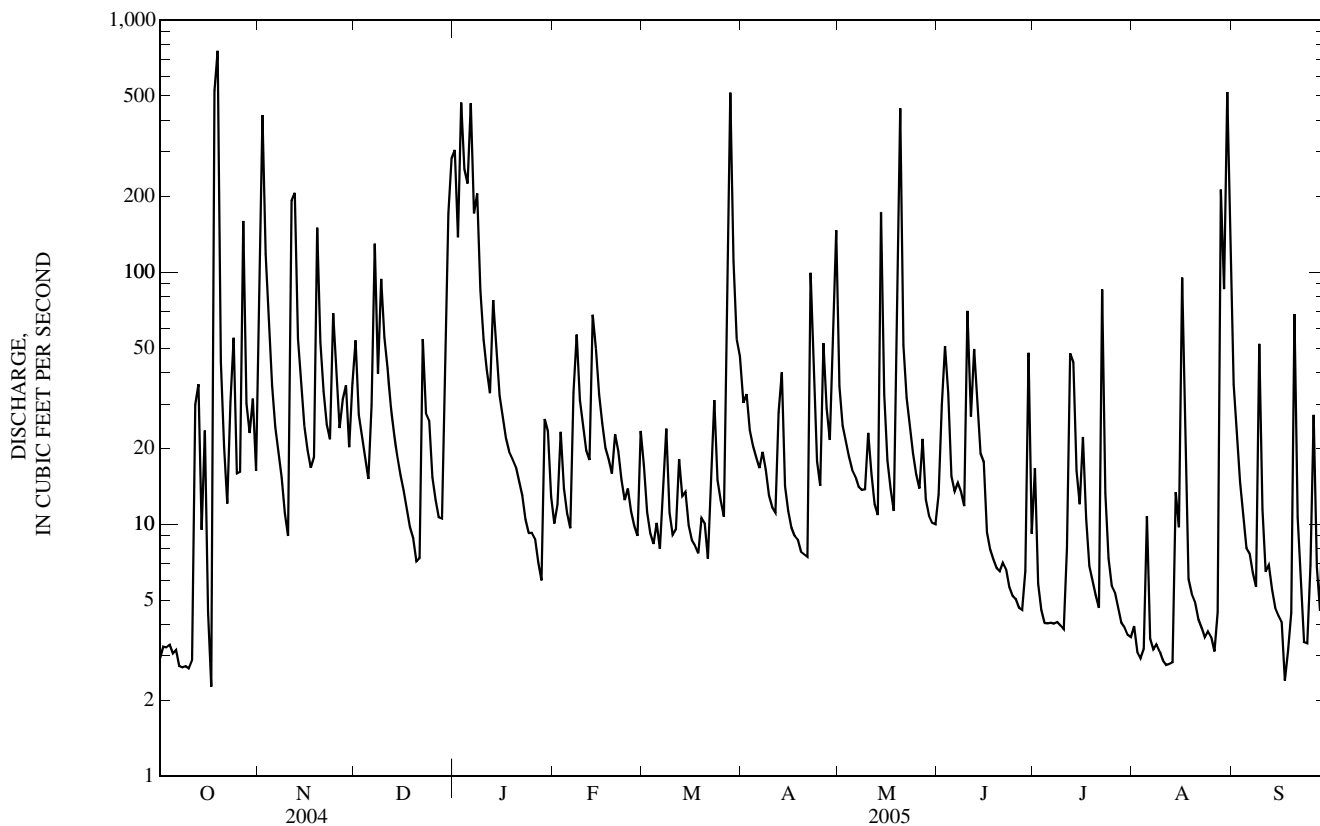
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	25.5	27.6	41.5	52.8	45.1	38.7	36.9	53.5	26.0	18.9	17.8	24.2
MAX	60.4	62.7	79.1	92.1	125	103	83.0	101	41.6	45.6	37.7	65.4
(WY)	(2005)	(2005)	(2003)	(2005)	(2000)	(2002)	(2002)	(2002)	(1999)	(2004)	(2005)	(2002)
MIN	4.80	4.05	17.1	9.40	22.5	19.1	10.1	16.1	13.8	4.55	2.78	3.29
(WY)	(2001)	(2000)	(1999)	(2001)	(2005)	(2003)	(2001)	(1999)	(2001)	(1999)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	15,000.3		14,295.6		34.0	
ANNUAL MEAN	41.0		39.2		20.2	
HIGHEST ANNUAL MEAN					52.5	2002
LOWEST ANNUAL MEAN					20.2	1999
HIGHEST DAILY MEAN	755	Oct 19	755	Oct 19	2,230	Feb 18, 2000
LOWEST DAILY MEAN	2.3	Oct 17	2.3	Oct 17	0.47	Jul 23, 2002
ANNUAL SEVEN-DAY MINIMUM	2.9	Sep 24	2.9	Oct 5	1.3	Nov 6, 1999
MAXIMUM PEAK FLOW			2,650	Oct 19	8,470	Feb 18, 2000
MAXIMUM PEAK STAGE			8.14	Oct 19	10.89	Feb 18, 2000
10 PERCENT EXCEEDS	94		73		70	
50 PERCENT EXCEEDS	16		15		11	
90 PERCENT EXCEEDS	3.9		3.9		2.9	

e Estimated



BEARGRASS CREEK BASIN

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.

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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

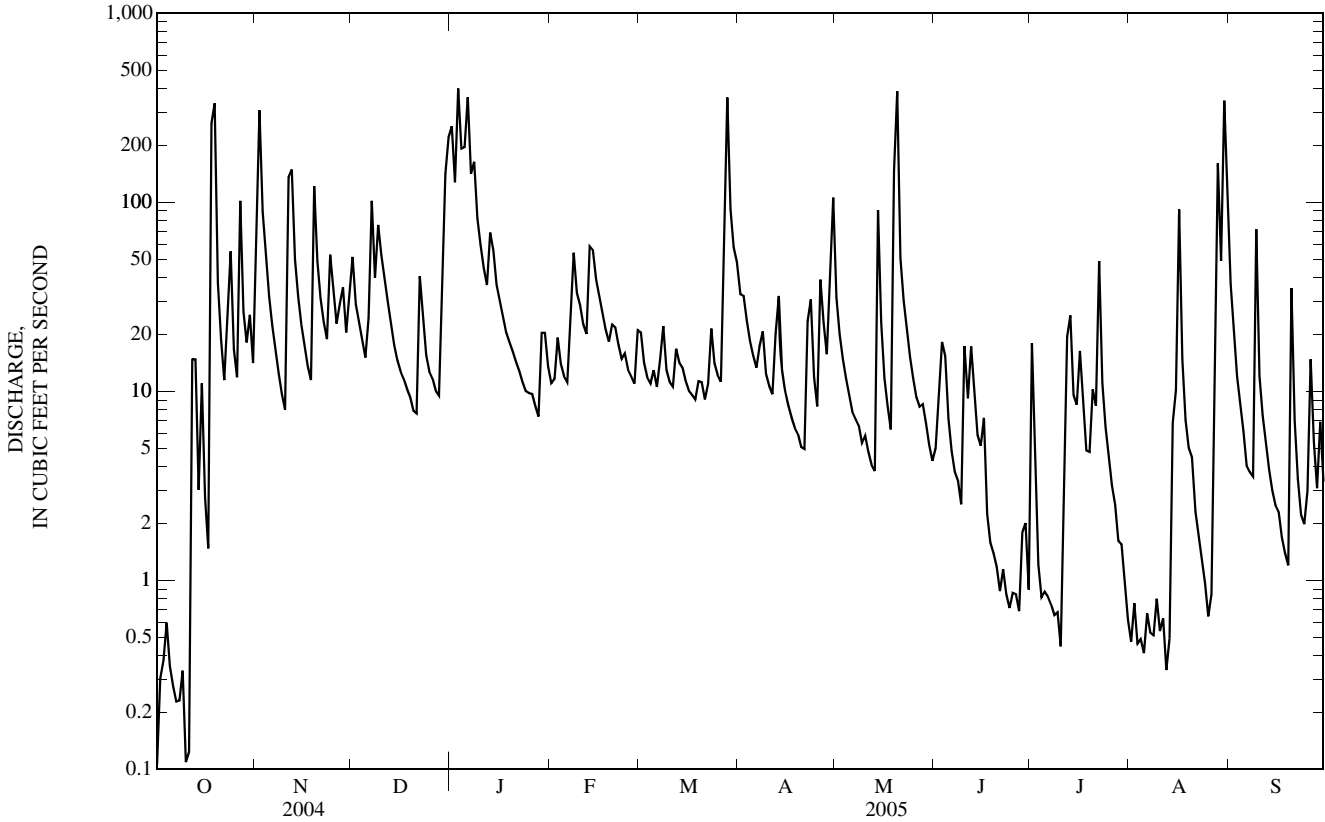
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	41	51	251	11	20	33	31	5.0	18	0.47	37
2	0.30	305	29	127	12	14	32	20	10	3.5	0.76	20
3	0.38	89	23	399	19	12	24	15	18	1.2	0.46	12
4	0.60	56	18	191	14	11	18	12	15	0.81	0.49	8.5
5	0.35	32	15	195	12	13	15	9.5	7.2	0.87	0.41	6.1
6	0.28	22	25	358	11	11	13	7.8	4.8	0.82	0.67	4.0
7	0.23	17	102	141	27	15	17	7.1	3.7	0.75	0.53	3.7
8	0.23	12	40	164	54	22	21	6.6	3.4	0.66	0.51	3.5
9	0.33	9.7	76	82	33	13	12	5.3	2.5	0.68	0.80	72
10	0.11	8.0	52	59	28	11	11	5.8	17	0.45	0.54	12
11	0.12	136	40	45	23	11	9.6	4.8	9.2	1.6	0.63	7.5
12	15	148	30	36	20	17	20	4.1	17	19	0.34	5.4
13	15	50	23	69	58	14	32	3.8	10	25	0.49	3.9
14	3.0	32	18	55	56	13	13	91	5.9	9.5	6.8	3.0
15	11	23	15	37	39	11	9.9	23	5.2	8.5	10	2.5
16	2.7	17	13	30	32	10	8.4	12	7.2	16	91	2.3
17	1.5	14	12	25	26	9.6	7.3	8.4	2.3	8.5	15	1.7
18	262	11	10	20	21	9.0	6.4	6.3	1.6	4.9	7.1	1.4
19	334	121	9.3	18	18	11	5.9	147	1.4	4.8	5.0	1.2
20	38	49	7.9	16	23	11	5.1	385	1.2	10	4.5	35
21	19	31	7.6	14	22	9.1	5.0	51	0.88	8.4	2.3	7.0
22	11	23	41	13	18	11	24	30	1.1	49	1.7	3.4
23	22	19	25	11	15	21	31	22	0.84	11	1.3	2.2
24	55	53	16	10	16	14	12	15	0.71	6.5	0.96	2.0
25	17	35	13	9.8	13	12	8.3	12	0.86	4.5	0.64	3.0
26	12	23	12	9.7	12	11	39	9.3	0.85	3.2	0.84	15
27	101	29	10	8.3	11	58	23	8.3	0.69	2.5	3.9	5.4
28	26	35	9.5	7.3	21	357	16	8.6	1.8	1.6	160	3.1
29	18	20	34	20	---	92	35	6.8	2.0	1.5	49	6.9
30	25	33	141	20	---	57	106	5.2	0.89	0.95	343	3.3
31	14	---	220	14	---	48	---	4.3	---	0.62	107	---
TOTAL	1,005.24	1,493.7	1,138.3	2,455.1	665	948.7	612.9	978.0	158.22	225.31	817.14	294.0
MEAN	32.4	49.8	36.7	79.2	23.8	30.6	20.4	31.5	5.27	7.27	26.4	9.80
MAX	334	305	220	399	58	357	106	385	18	49	343	72
MIN	0.11	8.0	7.6	7.3	11	9.0	5.0	3.8	0.69	0.45	0.34	1.2
CFSM	1.76	2.71	2.00	4.30	1.29	1.66	1.11	1.71	0.29	0.40	1.43	0.53
IN.	2.03	3.02	2.30	4.96	1.34	1.92	1.24	1.98	0.32	0.46	1.65	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

	9.54	17.3	28.0	34.8	42.2	49.1	37.3	31.9	20.4	18.0	11.4	10.3
MEAN	9.54	17.3	28.0	34.8	42.2	49.1	37.3	31.9	20.4	18.0	11.4	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1944 - 2005	
ANNUAL TOTAL	12,467.93		10,791.61		25.8	
ANNUAL MEAN	34.1		29.6		3.76	
HIGHEST ANNUAL MEAN					49.2	1979
LOWEST ANNUAL MEAN					3.76	1954
HIGHEST DAILY MEAN	507	Jul 17	399	Jan 3	2,000	Mar 9, 1964
LOWEST DAILY MEAN	0.10	Sep 30	0.11	Oct 1	0.00	Aug 27, 1952
ANNUAL SEVEN-DAY MINIMUM	0.24	Oct 5	0.24	Oct 5	0.00	Sep 28, 1952
MAXIMUM PEAK FLOW			1,610	May 20	5,900	Mar 2, 1997
MAXIMUM PEAK STAGE			6.51	May 20	8.70	Mar 2, 1997
INSTANTANEOUS LOW FLOW					0.00	Aug 27, 1952
ANNUAL RUNOFF (CFSM)	1.85		1.61		1.40	
ANNUAL RUNOFF (INCHES)	25.21		21.82		19.05	
10 PERCENT EXCEEDS	79		57		54	
50 PERCENT EXCEEDS	15		12		10	
90 PERCENT EXCEEDS	0.62		0.85		1.9	



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, downstream side of bridge on Lexington Road at Louisville, 0.86 miles upstream from South Fork Beargrass Creek.

DRAINAGE AREA.--24.8 mi².

PERIOD OF RECORD.--July 2003 to current year. Datum of gage is 431.00 ft. above NGVD of 1929.

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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	e45	e58	e275	14	23	38	37	5.1	13	1.7	38
2	4.6	e327	e35	e142	13	17	36	24	7.5	5.7	1.5	20
3	4.5	e95	e30	e410	21	15	28	19	12	3.5	1.8	13
4	4.5	e61	e24	228	17	14	23	16	19	2.6	1.9	9.7
5	4.2	e36	e20	239	14	15	19	14	9.0	1.6	4.3	7.8
6	4.5	e26	e31	431	13	13	17	12	7.0	1.7	2.1	6.6
7	4.2	e21	e109	165	23	13	19	11	6.1	1.5	1.3	5.4
8	4.5	e16	e45	203	56	25	25	10	5.9	1.5	1.3	5.6
9	4.5	e11	e81	94	34	15	16	9.3	5.0	1.5	1.3	66
10	4.2	e11	e58	67	31	14	14	9.7	15	1.3	1.4	13
11	4.0	e140	e45	53	24	13	13	8.8	9.7	2.6	1.5	8.6
12	25	e159	e39	43	22	17	20	8.3	13	15	1.5	6.9
13	60	e60	e29	66	53	17	35	7.7	12	28	2.6	5.7
14	12	e39	e22	66	59	16	17	91	6.2	10	8.3	5.2
15	50	e29	e18	42	44	14	13	28	5.4	6.6	9.8	4.8
16	9.3	e23	e14	35	35	13	12	16	6.6	15	92	4.5
17	5.6	e16	e12	29	28	12	11	12	4.0	9.7	17	4.2
18	e303	e16	e11	24	24	11	10	10	3.2	5.9	8.2	3.9
19	e377	e132	e12	22	21	12	9.7	77	2.8	4.7	6.2	3.6
20	e48	e57	e11	20	23	14	9.0	470	2.7	6.3	5.5	34
21	e24	e35	e12	18	24	11	8.8	57	2.5	10	4.9	7.8
22	e15	e27	e46	16	20	12	31	31	2.1	48	3.7	3.8
23	e25	e22	e27	15	17	23	41	21	2.7	11	3.4	2.2
24	e59	e61	e20	13	18	17	17	14	2.6	7.0	3.0	1.7
25	e20	e40	e16	13	16	14	13	11	2.4	5.6	2.6	1.7
26	e16	e29	e15	13	15	14	35	7.9	2.5	4.6	2.1	7.0
27	e106	e35	e13	12	13	52	30	7.0	2.4	4.0	2.8	3.5
28	e30	e42	e12	11	20	411	18	7.0	4.3	3.6	149	2.4
29	e24	e28	e38	19	---	106	34	6.1	9.3	3.2	78	3.2
30	e30	e39	e147	23	---	64	110	5.2	3.6	2.8	356	2.6
31	e20	---	e232	16	---	59	---	4.7	---	2.1	121	---
TOTAL	1,307.4	1,678	1,282	2,823	712	1,086	722.5	1,062.7	191.6	239.6	897.7	302.4
MEAN	42.2	55.9	41.4	91.1	25.4	35.0	24.1	34.3	6.39	7.73	29.0	10.1
MAX	377	327	232	431	59	411	110	470	19	48	356	66
MIN	4.0	11	11	11	13	11	8.8	4.7	2.1	1.3	1.3	1.7

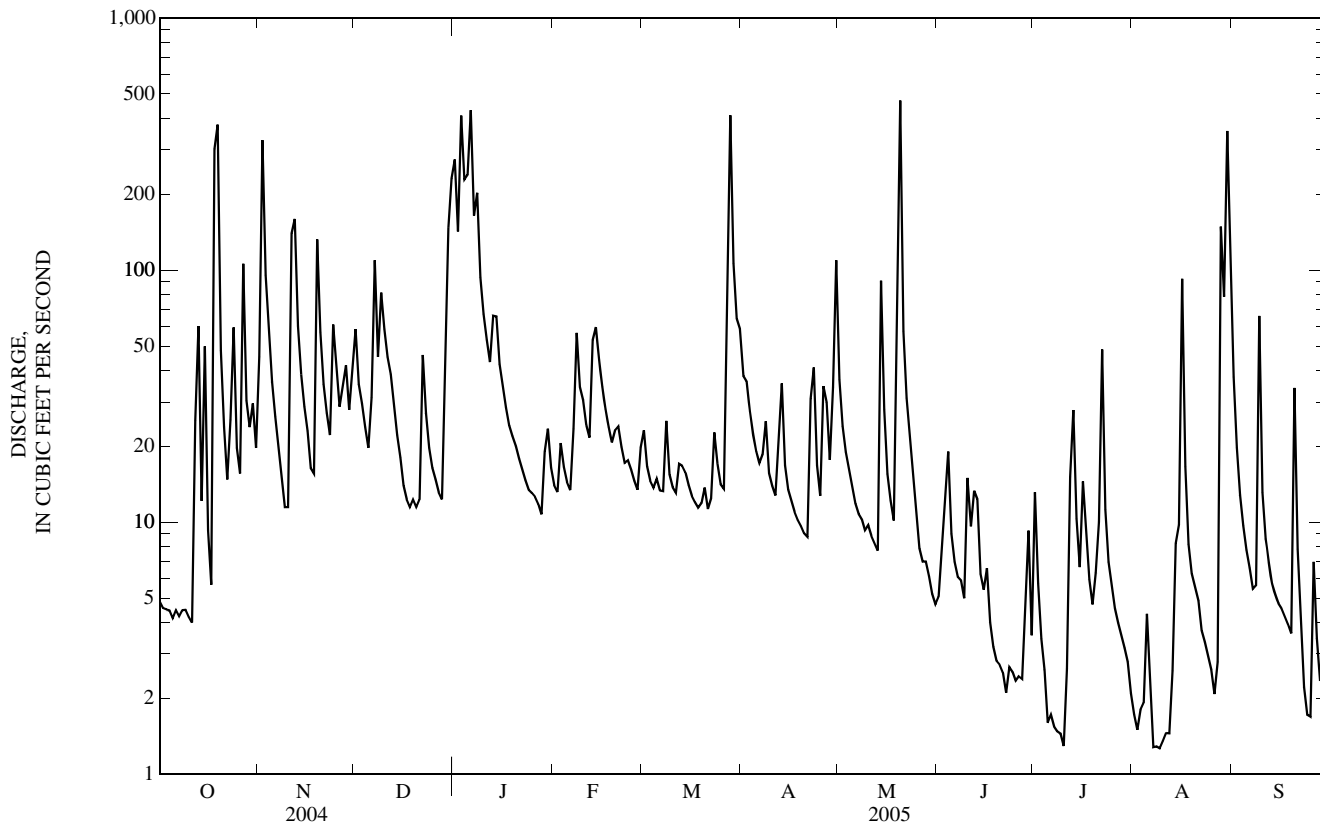
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	36.7	57.8	41.0	82.5	37.2	39.1	29.0	61.2	14.8	30.9	29.3	47.6
MAX	42.2	59.7	41.4	91.1	48.6	43.2	33.8	88.1	23.2	68.8	70.5	129
(WY)	(2005)	(2004)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)
MIN	31.1	55.9	40.6	73.9	25.4	35.0	24.1	34.3	6.39	7.73	4.27	4.02
(WY)	(2004)	(2005)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(1996)	(2004)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	16,419.8		12,304.9		39.0	
ANNUAL MEAN	44.9		33.7		33.7	
HIGHEST ANNUAL MEAN					44.2	2004
LOWEST ANNUAL MEAN					33.7	2005
HIGHEST DAILY MEAN	551	Jul 17	470	May 20	890	Sep 2, 2003
LOWEST DAILY MEAN	3.0	Jun 29	1.3	Jul 10	0.36	Sep 3, 1996
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 15	1.5	Aug 6	0.76	Aug 30, 1996
MAXIMUM PEAK FLOW			1,080	May 20	1,120	Jul 11, 2004
MAXIMUM PEAK STAGE			10.78	May 20	10.96	Jul 11, 2004
10 PERCENT EXCEEDS	109		65		91	
50 PERCENT EXCEEDS	20		14		16	
90 PERCENT EXCEEDS	4.4		2.8		3.8	

e Estimated



03293530 MUDDY FORK AT MOCKINGBIRD VALLEY ROAD AT LOUISVILLE, KY

LOCATION.--Lat 38°16'35", long 85°41'37", Jefferson County, Hydrologic Unit 05140101, at culvert on Mockingbird Valley Road at Louisville, 0.5 mi east of Indian Hills subdivision, 1.0 mi north of St. Matthews, and at mile 1.5.

DRAINAGE AREA.--6.2 mi².

PERIOD OF RECORD.--October 2002 to September 2003. October 2004 to current year

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 724.62 ft. above NGVD of 1929. Prior to Oct. 2004 at datum 0.79 ft. lower.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.21	22	25	63	8.8	4.8	e16	9.8	2.4	16	0.72	e17
2	0.37	e70	21	43	8.2	2.5	e15	6.4	4.3	5.1	0.55	e10
3	0.36	34	18	79	14	1.6	e12	5.0	4.3	3.7	0.50	e7.5
4	0.39	31	17	56	11	1.7	e11	4.3	4.4	2.4	0.69	e6.2
5	0.46	24	16	64	9.7	3.1	e9.3	3.4	2.1	2.7	0.47	e4.2
6	0.77	21	19	e75	9.2	2.0	e8.4	2.9	1.4	2.6	0.42	e2.8
7	1.1	19	34	e58	16	4.2	e7.6	2.3	1.0	2.5	0.37	e1.9
8	1.1	16	23	e55	22	8.1	e7.3	2.4	0.85	2.1	0.22	1.2
9	2.1	15	27	e39	15	2.9	5.6	2.1	0.62	3.0	0.40	16
10	2.3	14	26	e31	11	2.3	5.1	1.7	2.7	1.4	0.28	4.3
11	2.8	46	22	e23	9.0	3.3	4.7	1.5	1.2	3.4	0.11	2.4
12	11	52	19	e16	8.1	9.5	6.3	1.4	5.9	6.6	0.02	1.7
13	e21	30	17	e21	19	6.9	8.7	1.1	6.7	6.8	0.12	1.4
14	16	24	e15	e18	23	7.0	5.0	14	2.3	5.0	1.2	1.2
15	27	21	14	e14	18	5.1	3.8	4.8	0.92	6.4	1.4	1.4
16	20	19	13	e11	15	4.2	3.3	2.5	0.43	7.9	e11	0.84
17	19	18	11	e8.3	11	4.8	2.9	1.7	0.63	3.4	e4.5	0.72
18	62	17	11	e8.3	8.7	3.8	2.7	1.4	0.37	2.0	e2.2	0.88
19	49	37	10	e5.8	5.9	5.1	2.6	23	0.22	6.4	e2.5	0.65
20	21	28	9.9	e5.8	7.4	4.1	2.4	70	0.12	2.7	e2.2	8.3
21	16	22	9.9	e5.1	8.1	3.8	1.9	20	0.16	1.6	e2.2	2.2
22	14	19	e16	5.9	3.8	6.4	5.8	14	0.12	16	e1.5	1.3
23	17	18	17	4.7	2.4	18	7.6	10	0.12	5.8	e1.5	1.2
24	28	28	15	6.1	2.5	13	4.1	7.4	0.02	3.3	e1.2	0.80
25	18	21	13	7.9	1.6	8.7	4.0	7.2	0.05	2.2	e1.7	1.3
26	15	18	13	7.7	1.3	5.4	7.6	6.1	0.17	1.6	e1.3	5.9
27	42	20	12	5.7	0.86	16	5.4	5.1	0.02	1.5	e2.2	2.3
28	21	21	11	2.6	6.0	71	3.6	4.8	0.60	1.4	e32	1.5
29	18	18	20	11	---	30	8.9	3.4	2.6	1.0	e13	2.5
30	18	20	42	13	---	20	19	2.6	0.17	1.00	e66	1.4
31	15	---	61	9.5	---	e18	---	2.2	---	0.74	e37	---
TOTAL	479.96	763	597.8	773.4	276.56	297.3	207.6	244.5	46.89	128.24	189.47	110.99
MEAN	15.5	25.4	19.3	24.9	9.88	9.59	6.92	7.89	1.56	4.14	6.11	3.70
MAX	62	70	61	79	23	71	19	70	6.7	16	66	17
MIN	0.21	14	9.9	2.6	0.86	1.6	1.9	1.1	0.02	0.74	0.02	0.65
CFSM	2.51	4.12	3.12	4.04	1.60	1.55	1.12	1.28	0.25	0.67	0.99	0.60
IN.	2.89	4.59	3.60	4.66	1.66	1.79	1.25	1.47	0.28	0.77	1.14	0.67

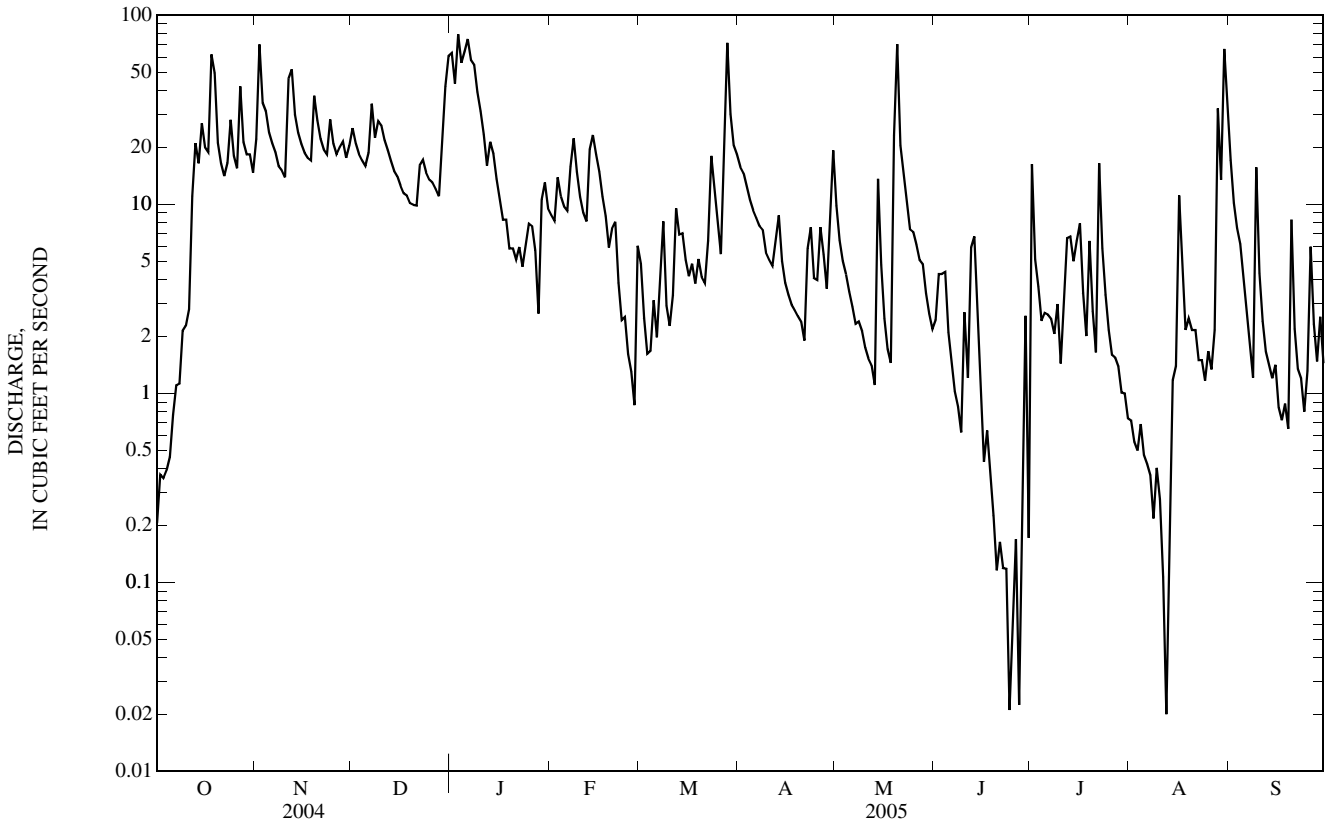
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

	6.99	10.7	16.1	15.2	22.9	9.54	13.6	17.7	7.06	5.29	5.78	7.53
MEAN	6.99	10.7	16.1	15.2	22.9	9.54	13.6	17.7	7.06	5.29	5.78	7.53
MAX	15.5	25.4	27.7	24.9	37.1	14.9	21.6	38.1	17.0	9.96	13.3	24.3
(WY)	(2005)	(2005)	(1991)	(2005)	(1989)	(1989)	(1989)	(2003)	(1990)	(1989)	(2003)	(2003)
MIN	1.29	4.42	2.39	11.0	9.88	6.89	6.92	3.53	1.38	2.70	2.61	1.27
(WY)	(1989)	(1990)	(1990)	(1990)	(2005)	(1990)	(2005)	(1988)	(1988)	(2003)	(1989)	(1988)

03293530 MUDDY FORK AT MOCKINGBIRD VALLEY ROAD AT LOUISVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	4,115.71			
ANNUAL MEAN	11.3		12.1	
HIGHEST ANNUAL MEAN			15.7	2003
LOWEST ANNUAL MEAN			10.3	1990
HIGHEST DAILY MEAN	79	Jan 3	251	May 11, 2003
LOWEST DAILY MEAN	0.02	Jun 24	0.02	Jun 24, 2005
ANNUAL SEVEN-DAY MINIMUM	0.09	Jun 21	0.09	Jun 21, 2005
MAXIMUM PEAK FLOW	210	May 20	730	May 11, 2003
MAXIMUM PEAK STAGE	b 11.64	Jan 12	11.64	Jan 12, 2005
ANNUAL RUNOFF (CF5M)	1.82		1.95	
ANNUAL RUNOFF (INCHES)	24.77		26.53	
10 PERCENT EXCEEDS	24		27	
50 PERCENT EXCEEDS	6.0		4.8	
90 PERCENT EXCEEDS	0.76		1.2	

e Estimated
 b Backwater from Ohio River



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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e139,000	99,900	182,000	219,000	179,000	143,000	417,000	227,000	54,900	39,700	23,800	95,000
2	e136,000	107,000	260,000	187,000	173,000	172,000	419,000	275,000	49,000	43,700	26,600	72,400
3	e104,000	120,000	314,000	203,000	169,000	208,000	417,000	312,000	36,400	48,000	26,700	50,600
4	e78,500	104,000	361,000	290,000	178,000	213,000	429,000	296,000	33,400	22,200	25,600	58,100
5	e52,600	172,000	353,000	350,000	168,000	181,000	445,000	242,000	31,700	22,000	18,900	28,700
6	e48,900	221,000	302,000	459,000	158,000	152,000	446,000	204,000	39,900	32,700	9,630	21,100
7	e42,500	226,000	260,000	507,000	153,000	159,000	425,000	149,000	37,400	31,000	16,900	26,600
8	e46,900	208,000	240,000	527,000	159,000	172,000	383,000	118,000	35,700	28,500	19,000	17,500
9	e37,600	166,000	239,000	546,000	173,000	212,000	326,000	101,000	43,400	29,200	15,500	15,000
10	e38,200	136,000	246,000	568,000	175,000	238,000	282,000	90,400	42,100	56,200	15,100	11,500
11	e35,400	110,000	254,000	585,000	200,000	269,000	251,000	74,300	32,800	52,100	25,800	14,000
12	e35,600	185,000	288,000	590,000	220,000	276,000	222,000	74,200	32,200	34,500	17,500	24,000
13	e37,500	194,000	331,000	575,000	238,000	246,000	192,000	67,300	57,900	19,200	14,800	11,900
14	e38,100	184,000	333,000	558,000	248,000	208,000	166,000	65,400	62,400	34,700	21,200	14,600
15	41,800	156,000	304,000	547,000	244,000	193,000	148,000	76,700	36,200	6,070	14,100	21,000
16	44,300	131,000	261,000	534,000	238,000	175,000	120,000	101,000	30,700	3,720	17,000	15,800
17	56,200	110,000	211,000	526,000	253,000	156,000	108,000	103,000	33,300	31,200	11,900	10,400
18	69,300	92,800	170,000	517,000	268,000	140,000	95,400	98,400	31,100	40,500	18,200	23,700
19	140,000	108,000	140,000	495,000	264,000	125,000	80,100	83,500	26,400	39,700	24,100	16,900
20	167,000	160,000	125,000	456,000	246,000	114,000	80,900	119,000	34,200	46,500	22,300	16,800
21	192,000	181,000	114,000	392,000	219,000	110,000	70,100	120,000	27,500	59,900	32,600	19,500
22	191,000	191,000	97,300	312,000	195,000	107,000	71,500	143,000	21,900	47,300	24,700	15,200
23	142,000	177,000	108,000	259,000	183,000	120,000	77,500	155,000	19,200	32,900	27,100	19,300
24	107,000	155,000	146,000	232,000	197,000	136,000	129,000	136,000	23,000	35,800	9,690	15,800
25	95,900	150,000	181,000	214,000	214,000	166,000	181,000	97,800	19,600	27,100	18,800	9,340
26	94,300	155,000	215,000	209,000	209,000	196,000	209,000	85,900	19,500	25,500	18,600	23,000
27	90,100	164,000	221,000	193,000	186,000	220,000	227,000	81,000	17,800	31,100	27,100	30,400
28	89,900	186,000	202,000	190,000	157,000	317,000	233,000	78,200	16,000	28,400	38,100	24,200
29	92,400	193,000	173,000	192,000	---	353,000	233,000	61,800	13,500	30,600	36,000	44,800
30	77,000	186,000	165,000	181,000	---	362,000	223,000	65,400	29,900	27,800	49,600	45,000
31	86,800	---	232,000	177,000	---	360,000	---	53,000	---	19,200	114,000	---
TOTAL	2,647,800	4,728,700	7,028,300	11,790,000	5,664,000	6,199,000	7,106,500	3,954,300	989,000	1,026,990	780,920	812,140
MEAN	85,410	157,600	226,700	380,300	202,300	200,000	236,900	127,600	32,970	33,130	25,190	27,070
MAX	192,000	226,000	361,000	590,000	268,000	362,000	446,000	312,000	62,400	59,900	114,000	95,000
MIN	35,400	92,800	97,300	177,000	153,000	107,000	70,100	53,000	13,500	3,720	9,630	9,340

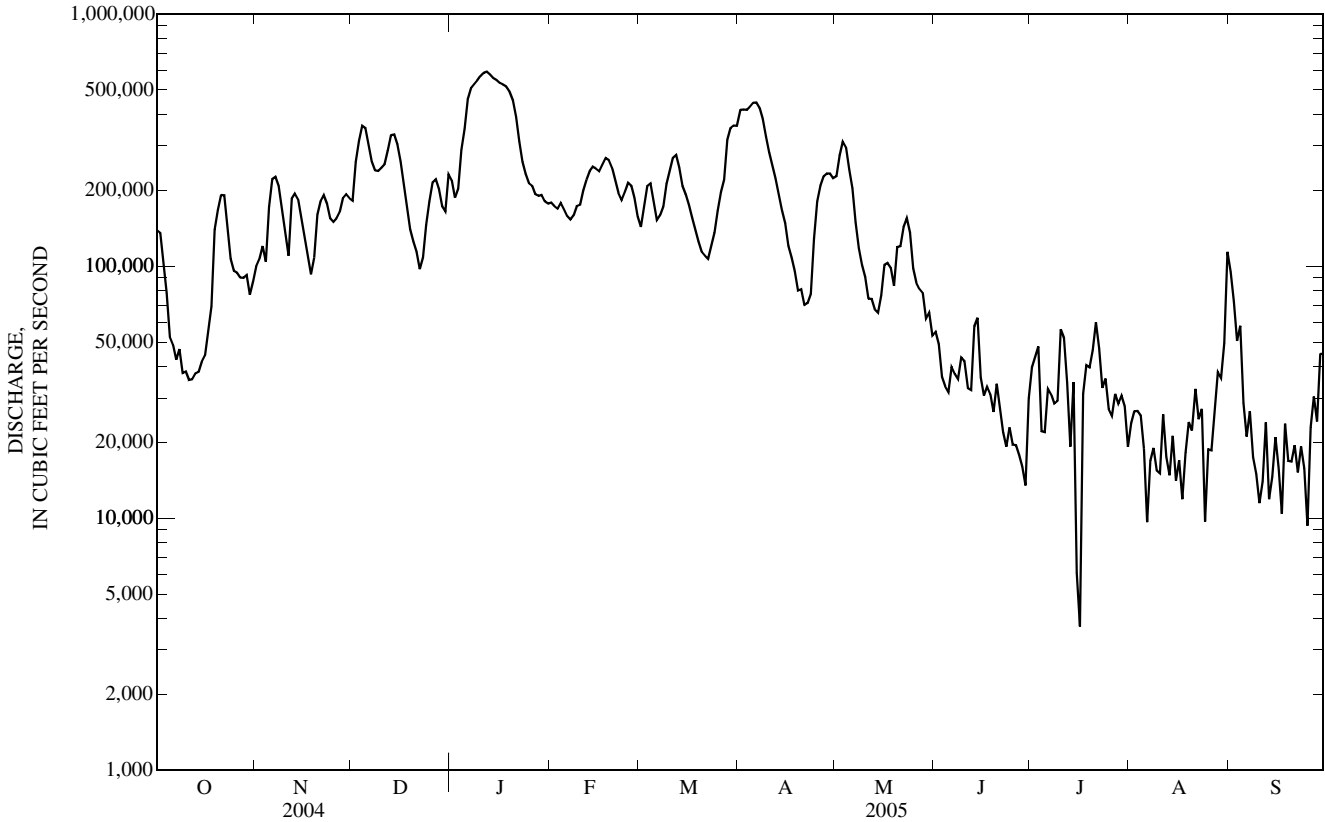
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	38,500	71,660	124,200	167,600	194,000	240,500	204,800	146,900	88,610	56,120	44,490	36,370
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	65,417,200		52,727,650			
ANNUAL MEAN	178,700		144,500		117,400	
HIGHEST ANNUAL MEAN					184,400	2004
LOWEST ANNUAL MEAN					57,390	1954
HIGHEST DAILY MEAN	524,000	Jan 6	590,000	Jan 12	1,110,000	Jan 27, 1937
LOWEST DAILY MEAN	22,700	Sep 8	3,720	Jul 16	2,100	Aug 12, 1930
ANNUAL SEVEN-DAY MINIMUM	27,200	Aug 14	15,500	Sep 8	3,530	Oct 15, 1930
MAXIMUM PEAK FLOW			593,000		1,110,000	Jan 27, 1937
MAXIMUM PEAK STAGE			59.09		85.44	Jan 27, 1937
10 PERCENT EXCEEDS	375,000		312,000		281,000	
50 PERCENT EXCEEDS	154,000		114,000		73,800	
90 PERCENT EXCEEDS	43,500		19,300		17,000	

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 and crest-stage gage. 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)
Oct 18	2105	2,020	10.72	Mar 28	0255	1,630	9.66
Oct 19	0120	1,550	9.44	May 19	2250	*2,570	*12.08

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.73	39	32	185	3.2	5.7	6.9	5.6	1.5	1.4	1.1	2.8
2	0.71	229	7.2	31	3.2	3.1	8.4	2.8	1.9	1.1	1.2	1.6
3	0.71	21	4.8	281	11	2.5	5.0	2.1	50	1.1	1.2	1.3
4	0.75	15	3.6	72	4.9	2.3	3.7	1.8	7.8	1.0	1.2	1.2
5	0.81	5.5	2.9	63	3.6	2.4	3.9	1.8	1.8	1.0	1.5	1.1
6	0.82	5.0	12	e100	3.3	2.1	11	1.8	1.4	1.1	1.3	1.1
7	0.73	3.6	117	e5.0	20	4.7	6.2	1.8	1.4	1.2	1.5	1.1
8	0.71	2.4	16	e4.2	40	8.0	3.6	1.8	1.7	1.2	1.1	1.1
9	0.67	1.6	37	e3.6	9.7	2.6	2.5	1.8	2.3	1.3	1.00	1.0
10	0.66	1.9	18	e3.0	7.4	2.3	2.2	2.1	2.2	1.3	0.92	1.0
11	0.63	262	11	e2.7	4.9	2.6	2.0	2.1	2.4	1.8	0.84	0.98
12	0.67	105	7.0	e2.3	4.1	9.4	7.3	1.8	13	20	0.88	0.99
13	2.3	9.1	4.3	e5.0	47	4.2	18	1.7	8.8	12	0.90	1.0
14	1.4	4.4	3.3	e3.3	30	3.8	3.2	39	2.8	1.8	0.91	0.96
15	4.5	3.0	2.5	e2.0	9.7	3.2	2.2	5.8	2.4	3.7	0.93	1.0
16	1.0	2.4	2.3	e2.0	5.8	2.5	1.9	1.9	1.8	9.5	14	0.99
17	0.77	2.1	2.2	e2.0	3.9	2.3	1.9	1.5	1.4	3.2	2.8	0.96
18	378	2.4	2.0	e2.0	3.2	2.2	1.8	1.4	1.4	1.4	1.0	0.96
19	251	111	1.9	e2.0	2.8	2.5	1.9	231	1.2	1.3	0.90	0.96
20	5.4	17	1.7	e2.0	7.4	3.0	2.0	291	1.2	1.6	0.85	9.7
21	1.9	6.5	1.8	e2.0	7.3	2.1	1.9	6.9	1.2	1.5	0.81	1.7
22	1.3	4.1	23	e2.0	3.9	18	2.2	2.9	1.1	15	1.0	1.1
23	2.3	3.3	12	e2.0	2.9	62	5.9	6.0	1.2	2.0	1.2	1.2
24	8.9	31	5.8	2.1	3.6	13	2.4	2.1	1.1	1.3	0.75	1.0
25	2.4	12	4.5	2.2	3.1	6.4	2.0	1.7	1.1	1.3	0.89	1.3
26	1.7	4.9	4.5	2.5	2.4	4.7	13	1.6	1.1	1.3	0.87	5.2
27	132	7.8	4.0	2.2	2.2	101	5.7	1.6	1.4	1.3	1.0	1.5
28	4.2	16	3.3	1.9	8.7	444	2.4	1.7	1.5	1.3	2.3	1.0
29	1.7	4.7	56	8.0	---	21	21	1.6	1.5	1.1	8.4	1.3
30	4.7	16	166	10	---	8.6	81	1.6	1.5	1.2	272	1.0
31	2.7	---	148	4.8	---	17	---	1.6	---	1.2	20	---
TOTAL	816.77	948.7	717.6	812.8	259.2	769.2	233.1	629.9	121.1	96.5	345.25	48.10
MEAN	26.3	31.6	23.1	26.2	9.26	24.8	7.77	20.3	4.04	3.11	11.1	1.60
MAX	378	262	166	281	47	444	81	291	50	20	272	9.7
MIN	0.63	1.6	1.7	1.9	2.2	2.1	1.8	1.4	1.1	1.0	0.75	0.96
CFSM	1.08	1.30	0.95	1.07	0.38	1.02	0.32	0.83	0.17	0.13	0.46	0.07
IN.	1.25	1.45	1.09	1.24	0.40	1.17	0.36	0.96	0.18	0.15	0.53	0.07

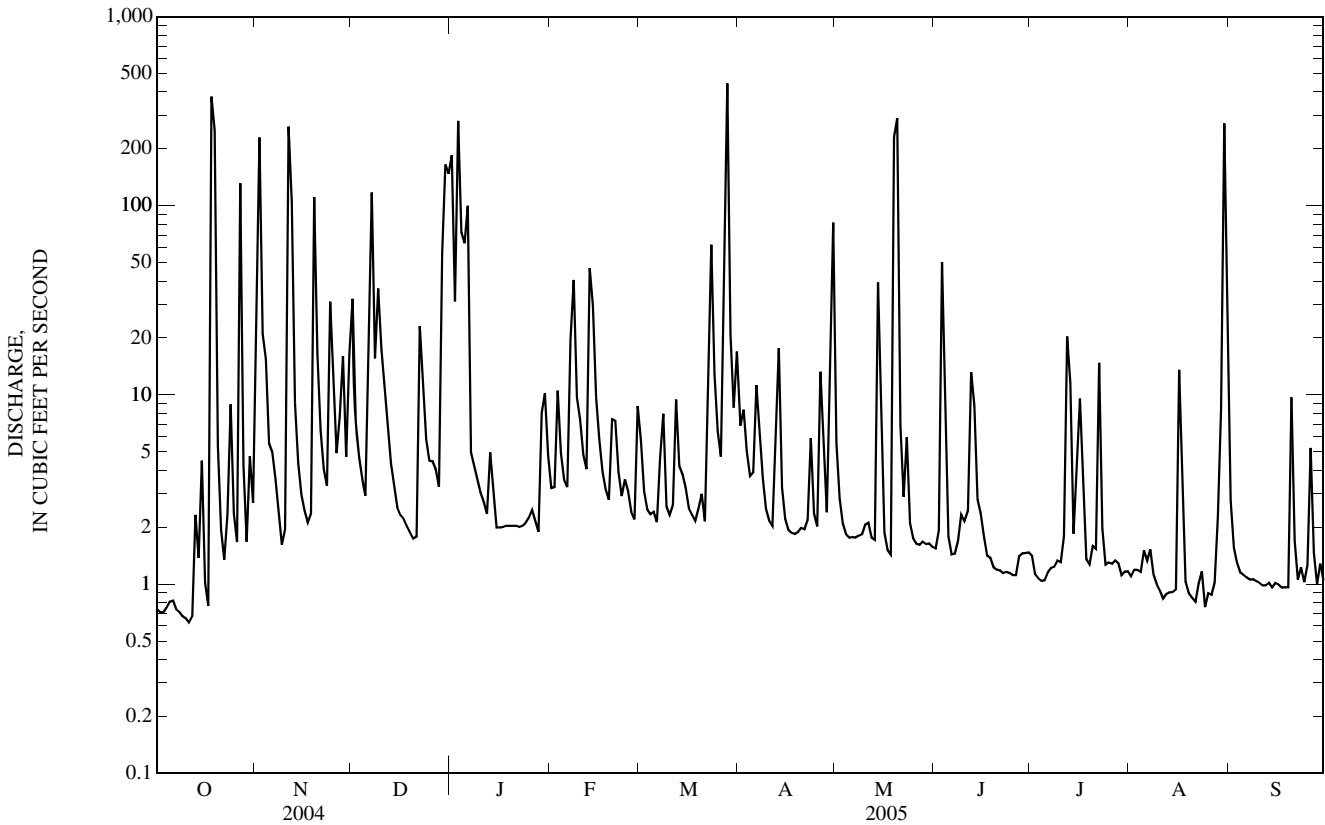
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

	7.89	11.8	19.6	23.6	30.1	28.6	13.0	21.9	9.99	7.24	7.92	7.92
MEAN	7.89	11.8	19.6	23.6	30.1	28.6	13.0	21.9	9.99	7.24	7.92	7.92
MAX	26.3	31.6	73.0	72.3	87.0	89.2	31.6	69.8	49.1	23.5	33.4	28.6
(WY)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	8,118.88		5,798.22		16.0	
ANNUAL MEAN	22.2		15.9		25.5	
HIGHEST ANNUAL MEAN					7.41	
LOWEST ANNUAL MEAN					1,070	
HIGHEST DAILY MEAN	514	Jan 5	444	Mar 28	0.00	Feb 15, 1990
LOWEST DAILY MEAN	0.56	May 12	0.63	Oct 11	0.00	May 15, 1988
ANNUAL SEVEN-DAY MINIMUM	0.70	Oct 6	0.70	Oct 6	0.00	May 28, 1988
MAXIMUM PEAK FLOW			2,570	May 19	4,310	Aug 8, 1992
MAXIMUM PEAK STAGE			12.08	May 19	15.83	Aug 8, 1992
ANNUAL RUNOFF (CFSM)	0.909		0.651		0.654	
ANNUAL RUNOFF (INCHES)	12.38		8.84		8.89	
10 PERCENT EXCEEDS	53		21		29	
50 PERCENT EXCEEDS	2.8		2.3		1.7	
90 PERCENT EXCEEDS	1.1		1.0		0.01	

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	48	38	173	5.1	8.4	e5.5	12	1.6	1.3	2.2	8.3
2	2.4	396	13	55	4.4	4.6	e6.1	4.6	2.1	1.2	2.3	3.0
3	2.3	66	7.4	386	11	3.4	e4.0	3.3	13	1.0	2.4	2.1
4	2.3	23	57	93	7.1	3.0	e3.0	3.0	17	0.94	2.4	1.7
5	2.4	10	124	e87	4.8	2.7	e2.8	1.4	4.0	0.76	3.1	1.5
6	2.9	6.3	10	e327	3.8	2.4	e8.1	1.3	2.0	0.67	2.7	1.4
7	3.9	5.3	116	e60	14	4.7	e4.7	1.6	1.6	0.71	2.4	2.0
8	3.8	3.8	30	e139	54	11	e3.0	1.1	1.5	0.79	2.2	2.3
9	5.0	3.6	29	e55	16	4.9	e2.1	1.2	1.5	0.99	1.6	2.5
10	4.7	3.2	28	e36	11	3.3	e1.8	1.8	1.4	0.84	1.4	2.8
11	5.2	233	13	e25	6.7	2.9	2.6	2.1	4.8	0.87	1.9	2.2
12	6.8	273	8.9	e22	5.1	8.5	4.6	1.9	31	15	2.7	1.9
13	13	23	6.1	e43	36	7.6	14	1.6	32	18	2.6	1.6
14	9.5	9.2	4.7	e34	44	4.8	5.7	36	6.6	6.4	2.2	1.6
15	5.7	5.9	3.9	e17	18	4.1	3.3	14	3.9	12	2.4	1.7
16	2.2	4.3	3.7	e10	8.7	3.2	2.5	3.9	2.4	28	7.3	1.8
17	0.70	3.6	2.6	e7.4	5.4	2.7	2.0	2.3	1.5	11	6.2	1.8
18	499	4.3	2.6	e5.7	4.2	2.5	2.9	1.7	1.3	5.0	3.0	1.7
19	1,200	128	3.1	e4.7	3.6	2.4	2.5	83	1.3	3.2	2.4	1.8
20	33	33	3.0	e4.2	7.1	3.2	4.5	557	1.3	2.8	2.1	12
21	8.4	12	3.3	e3.6	12	2.7	3.6	31	1.3	2.7	2.2	4.9
22	5.7	7.1	24	e3.1	6.7	6.3	2.0	10	1.3	18	2.0	2.1
23	6.4	5.9	18	e2.6	4.4	59	4.6	6.1	1.2	7.7	2.7	1.7
24	23	27	10	2.9	4.1	25	3.5	3.8	1.2	3.3	2.4	1.6
25	6.7	18	7.1	3.1	3.8	9.4	2.0	2.6	1.2	2.6	1.9	1.8
26	5.0	8.0	5.9	3.3	3.3	6.7	7.3	2.2	1.2	2.5	2.9	8.0
27	284	6.7	5.1	3.1	3.0	93	11	1.6	1.1	2.6	4.6	3.9
28	18	16	4.9	2.7	5.7	e407	3.9	1.4	1.2	2.6	9.8	1.8
29	7.6	7.6	39	6.8	---	e16	11	1.3	1.3	2.3	20	2.3
30	9.4	13	164	13	---	e6.8	72	1.4	1.6	2.3	341	2.2
31	7.5	---	220	7.5	---	e12	---	1.5	---	2.2	65	---
TOTAL	2,188.20	1,403.8	1,005.3	1,635.7	313.0	734.2	206.6	797.7	144.4	160.27	510.0	86.0
MEAN	70.6	46.8	32.4	52.8	11.2	23.7	6.89	25.7	4.81	5.17	16.5	2.87
MAX	1,200	396	220	386	54	407	72	557	32	28	341	12
MIN	0.70	3.2	2.6	2.6	3.0	2.4	1.8	1.1	1.1	0.67	1.4	1.4

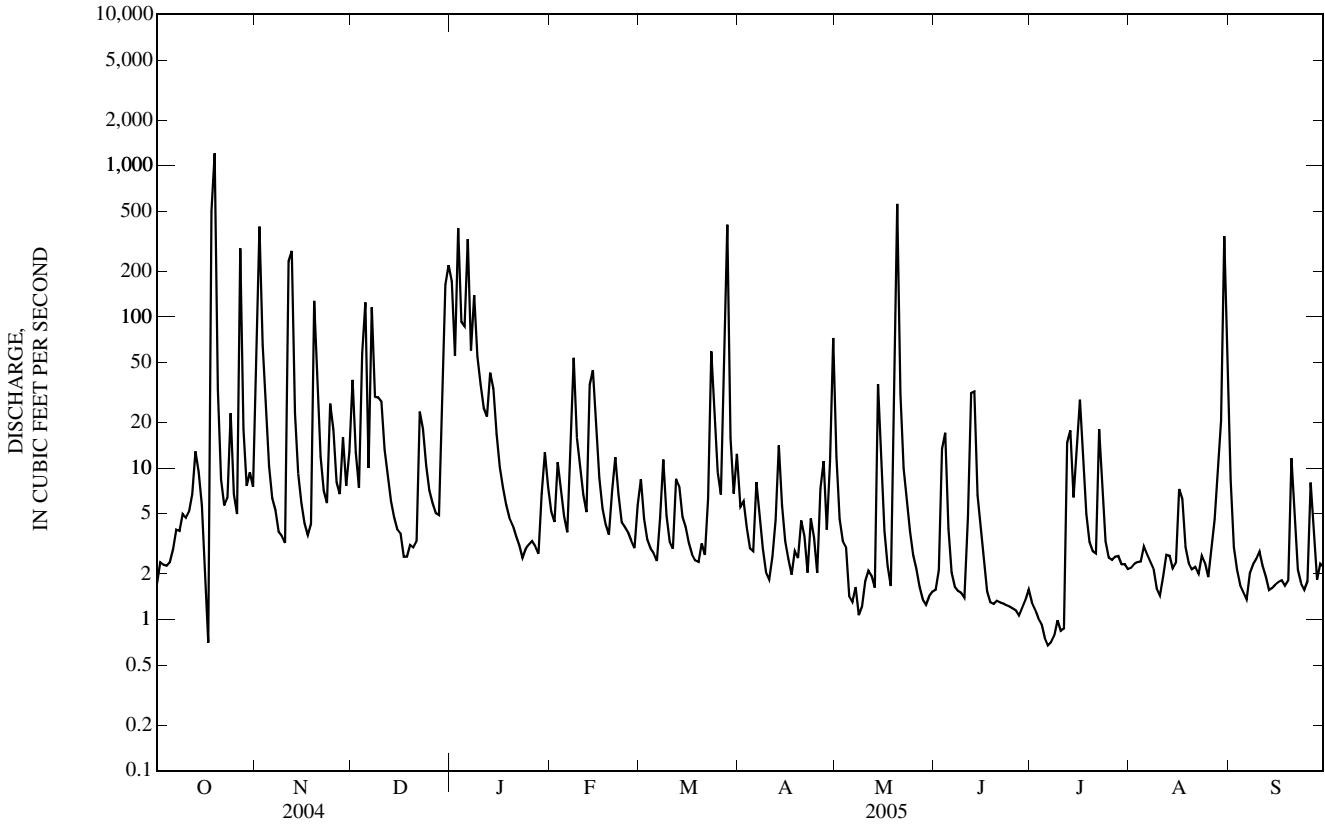
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	20.3	22.2	28.0	35.4	34.5	31.7	36.7	46.9	8.98	5.15	8.42	14.6
MAX	70.6	46.8	41.4	71.3	75.2	111	121	106	14.8	11.2	19.2	51.8
(WY)	(2005)	(2005)	(2002)	(2000)	(2000)	(2002)	(2000)	(2004)	(2003)	(2004)	(2004)	(2002)
MIN	2.15	8.14	10.3	3.28	11.2	5.00	2.16	4.46	4.09	1.60	1.84	2.69
(WY)	(2001)	(2001)	(2004)	(2001)	(2005)	(2003)	(2001)	(2000)	(2001)	(2002)	(2002)	(2004)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	11,613.29		9,185.17		24.6	
ANNUAL MEAN	31.7		25.2		13.8	
HIGHEST ANNUAL MEAN					42.1	2002
LOWEST ANNUAL MEAN					13.8	2001
HIGHEST DAILY MEAN	1,200	Oct 19	1,200	Oct 19	1,680	Apr 9, 2000
LOWEST DAILY MEAN	0.65	May 11	0.67	Jul 6	0.08	Jan 1, 2000
ANNUAL SEVEN-DAY MINIMUM	0.90	May 7	0.80	Jul 5	0.15	Dec 26, 1999
MAXIMUM PEAK FLOW			3,010	Oct 19	7,430	Mar 26, 2002
MAXIMUM PEAK STAGE			b 13.68	Jan 8	16.53	Feb 19, 2000
10 PERCENT EXCEEDS	59		37		36	
50 PERCENT EXCEEDS	4.0		4.1		3.0	
90 PERCENT EXCEEDS	1.2		1.5		0.85	

e Estimated
 b Backwater from Ohio River



SALT RIVER BASIN

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 and crest-stage gage. Datum of gage is 593.39 ft above NGVD of 1929.

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

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)
Oct 19	0530	*9,710	*10.12	Mar 28	0400	6,960	9.20

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	459	3,300	677	192	348	192	746	21	3.5	2.0	154
2	9.8	1,330	1,020	406	161	222	676	269	20	2.9	1.5	38
3	9.1	1,070	383	632	178	177	546	169	21	2.2	1.6	15
4	8.7	1,850	219	621	185	159	304	126	22	2.1	1.6	8.0
5	8.2	1,250	154	1,030	157	146	220	102	20	1.4	1.6	4.6
6	7.8	339	177	1,440	140	127	176	85	29	1.1	1.3	2.8
7	7.3	184	2,310	1,190	129	126	153	73	22	0.66	1.4	1.8
8	7.5	124	1,320	2,550	154	1,030	197	63	16	0.67	1.5	1.2
9	7.1	91	541	1,150	169	607	131	55	13	0.46	2.3	0.79
10	6.9	75	637	536	177	298	110	49	12	0.72	1.7	0.56
11	6.9	318	490	334	168	223	95	44	11	1.3	1.6	0.47
12	7.5	1,950	387	257	154	202	94	39	12	4.3	1.4	0.45
13	10	509	274	423	349	196	123	35	12	6.5	1.0	0.54
14	12	217	204	783	897	163	146	37	18	7.4	0.89	0.59
15	24	147	166	422	557	140	97	69	21	7.2	0.55	0.58
16	32	115	143	281	338	125	78	111	18	9.4	0.60	0.91
17	20	96	128	214	243	115	67	67	16	15	0.74	1.2
18	30	84	114	174	193	103	60	45	12	15	1.2	1.1
19	3,340	175	e99	150	161	99	55	173	10	13	1.4	1.0
20	355	197	e84	134	146	186	49	1,610	8.8	54	1.3	1.6
21	132	133	e80	124	302	106	46	505	7.7	21	1.1	1.7
22	86	105	495	110	507	91	45	193	7.0	14	0.82	1.7
23	82	95	2,980	e95	260	131	85	121	6.1	10	0.67	1.5
24	199	438	1,250	e85	208	132	73	87	5.8	8.8	0.55	1.4
25	149	533	423	e80	180	114	58	76	4.8	7.0	0.56	1.4
26	99	298	260	e76	155	102	61	58	4.2	7.8	0.80	1.6
27	925	187	193	e66	134	1,120	139	46	4.1	6.3	0.90	1.5
28	753	208	158	59	216	3,700	79	38	3.8	4.7	1.1	1.7
29	252	180	249	123	---	975	177	32	3.6	3.6	7.9	1.8
30	155	761	305	485	---	387	1,530	27	3.4	3.0	455	1.4
31	115	---	204	282	---	248	---	24	---	2.3	514	---
TOTAL	6,866.8	13,518	18,747	14,989	6,810	11,898	5,862	5,174	385.3	237.31	1,010.58	250.89
MEAN	222	451	605	484	243	384	195	167	12.8	7.66	32.6	8.36
MAX	3,340	1,950	3,300	2,550	897	3,700	1,530	1,610	29	54	514	154
MIN	6.9	75	80	59	129	91	45	24	3.4	0.46	0.55	0.45
CFSM	1.29	2.62	3.52	2.81	1.41	2.23	1.14	0.97	0.07	0.04	0.19	0.05
IN.	1.49	2.92	4.05	3.24	1.47	2.57	1.27	1.12	0.08	0.05	0.22	0.05

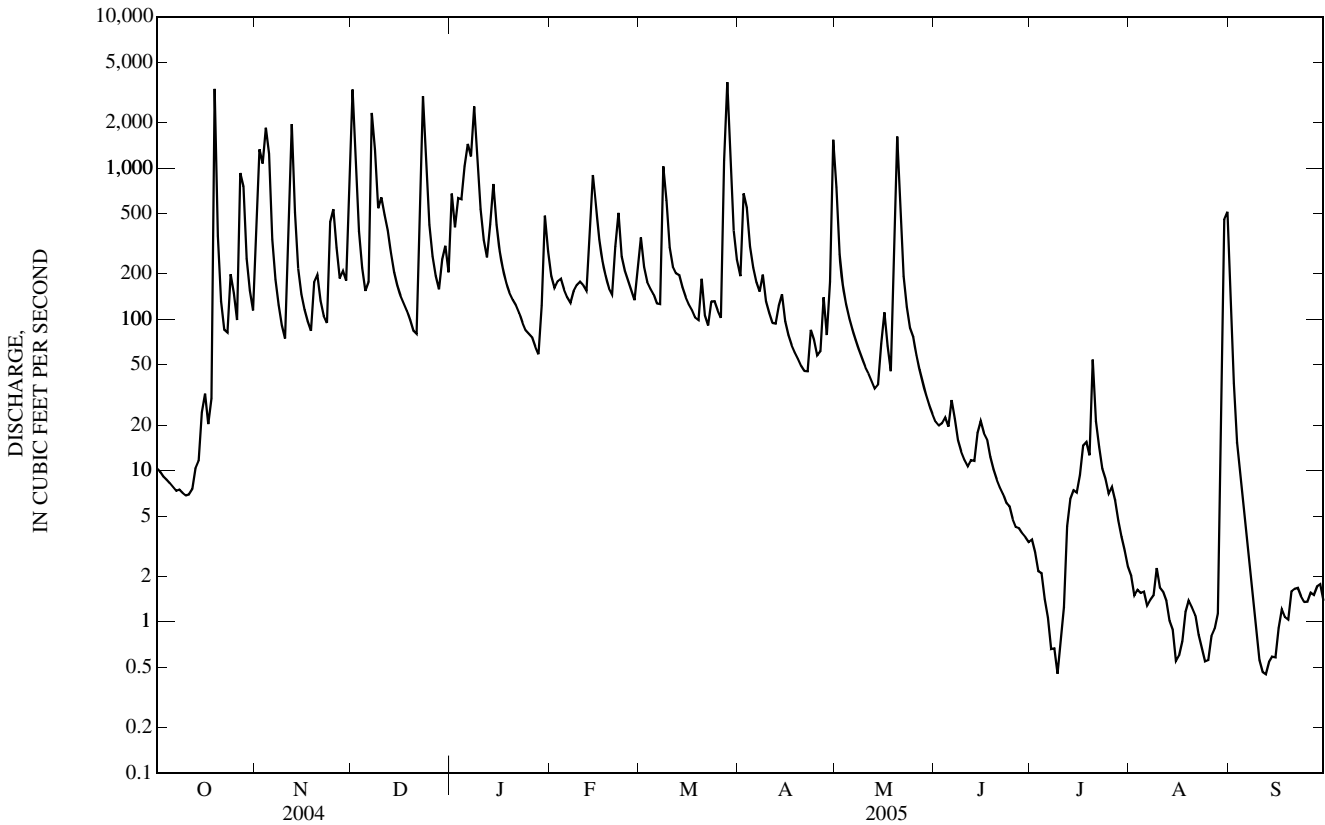
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2005, BY WATER YEAR (WY)

MEAN	80.8	208	378	419	439	535	225	348	260	126	58.6	67.4
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	12.8	4.29	0.53	0.46
(WY)	(1995)	(2000)	(2000)	(2001)	(2002)	(1990)	(1997)	(2000)	(2005)	(2000)	(1999)	(1999)

03295400 SALT RIVER AT GLENSBORO, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1989 - 2005	
ANNUAL TOTAL	125,756.0		85,748.88		261	
ANNUAL MEAN	344		235		403	
HIGHEST ANNUAL MEAN					1997	
LOWEST ANNUAL MEAN					103	
HIGHEST DAILY MEAN	7,310	May 31	3,700	Mar 28	16,400	Mar 2, 1997
LOWEST DAILY MEAN	5.5	Sep 16	0.45	Sep 12	0.00	Aug 5, 1999
ANNUAL SEVEN-DAY MINIMUM	7.3	Oct 6	0.57	Sep 9	0.00	Sep 6, 1999
MAXIMUM PEAK FLOW			9,710	Oct 19	22,000	Mar 2, 1997
MAXIMUM PEAK STAGE			10.12	Oct 19	12.91	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.00		1.37		1.52	
ANNUAL RUNOFF (INCHES)	27.20		18.55		20.59	
10 PERCENT EXCEEDS	944		550		588	
50 PERCENT EXCEEDS	112		94		77	
90 PERCENT EXCEEDS	13		1.4		5.1	

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 good except for those below 1.0 ft³/s and those estimated, which are poor.

COOPERATION.--City of Simpsonville.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	76	369	1,030	41	59	87	100	6.9	0.16	0.00	10
2	0.00	1,100	169	450	39	48	84	62	5.9	0.13	0.00	3.2
3	0.00	476	113	1,690	50	44	69	45	7.4	0.12	0.00	1.2
4	0.00	255	84	619	66	43	58	37	9.4	0.10	0.00	0.51
5	0.00	170	67	1,060	60	45	50	31	6.8	0.08	0.00	0.27
6	0.00	114	73	1,340	54	40	44	26	4.3	0.06	0.00	0.19
7	0.00	83	542	352	56	40	43	22	3.0	0.03	0.00	0.16
8	0.02	60	232	560	217	e176	42	18	2.3	0.00	0.00	0.13
9	0.10	47	254	239	152	54	35	16	1.9	0.00	0.00	0.10
10	0.12	40	273	155	132	48	32	13	1.5	0.00	0.00	0.08
11	0.14	443	161	118	98	47	29	11	1.3	0.00	0.00	0.03
12	0.33	1,190	126	95	81	49	29	9.2	1.3	0.00	0.00	0.00
13	0.45	256	94	155	176	51	37	8.7	1.6	0.06	0.00	0.00
14	0.52	140	72	303	328	46	32	13	1.9	0.14	0.00	0.00
15	0.79	98	60	145	197	44	26	37	1.6	0.21	0.00	0.01
16	0.77	76	e53	105	124	42	22	19	1.4	0.29	0.00	0.61
17	0.82	64	e41	e83	88	39	20	13	1.2	0.30	0.01	0.79
18	49	55	e29	e68	68	35	18	9.8	1.1	0.35	0.58	0.81
19	399	400	e19	55	56	35	17	319	1.00	0.59	0.63	0.80
20	67	241	e13	50	55	36	16	2,060	0.74	0.56	0.57	1.0
21	31	137	e12	e49	60	30	14	150	0.41	0.46	0.47	0.87
22	19	99	e180	e42	56	28	14	81	0.36	0.17	0.61	0.86
23	14	84	e274	e39	48	43	27	57	0.29	0.08	0.50	0.92
24	114	272	e195	e36	49	42	29	40	0.24	0.03	0.12	0.96
25	67	344	e414	e36	46	38	20	31	0.22	0.00	0.04	1.0
26	37	160	e307	e34	42	38	19	24	0.18	0.00	0.00	1.1
27	232	114	e161	e28	40	121	41	19	0.15	0.00	0.00	1.0
28	124	129	e102	e22	45	2,060	28	15	0.18	0.00	0.00	1.0
29	74	98	57	27	---	318	40	13	0.30	0.00	0.00	0.93
30	55	111	535	39	---	165	242	9.6	0.20	0.00	0.86	0.27
31	39	---	1,420	43	---	114	---	8.1	---	0.00	28	---
TOTAL	1,325.06	6,932	6,501	9,067	2,524	4,018	1,264	3,317.4	65.07	3.92	32.39	28.80
MEAN	42.7	231	210	292	90.1	130	42.1	107	2.17	0.13	1.04	0.96
MAX	399	1,190	1,420	1,690	328	2,060	242	2,060	9.4	0.59	28	10
MIN	0.00	40	12	22	39	28	14	8.1	0.15	0.00	0.00	0.00

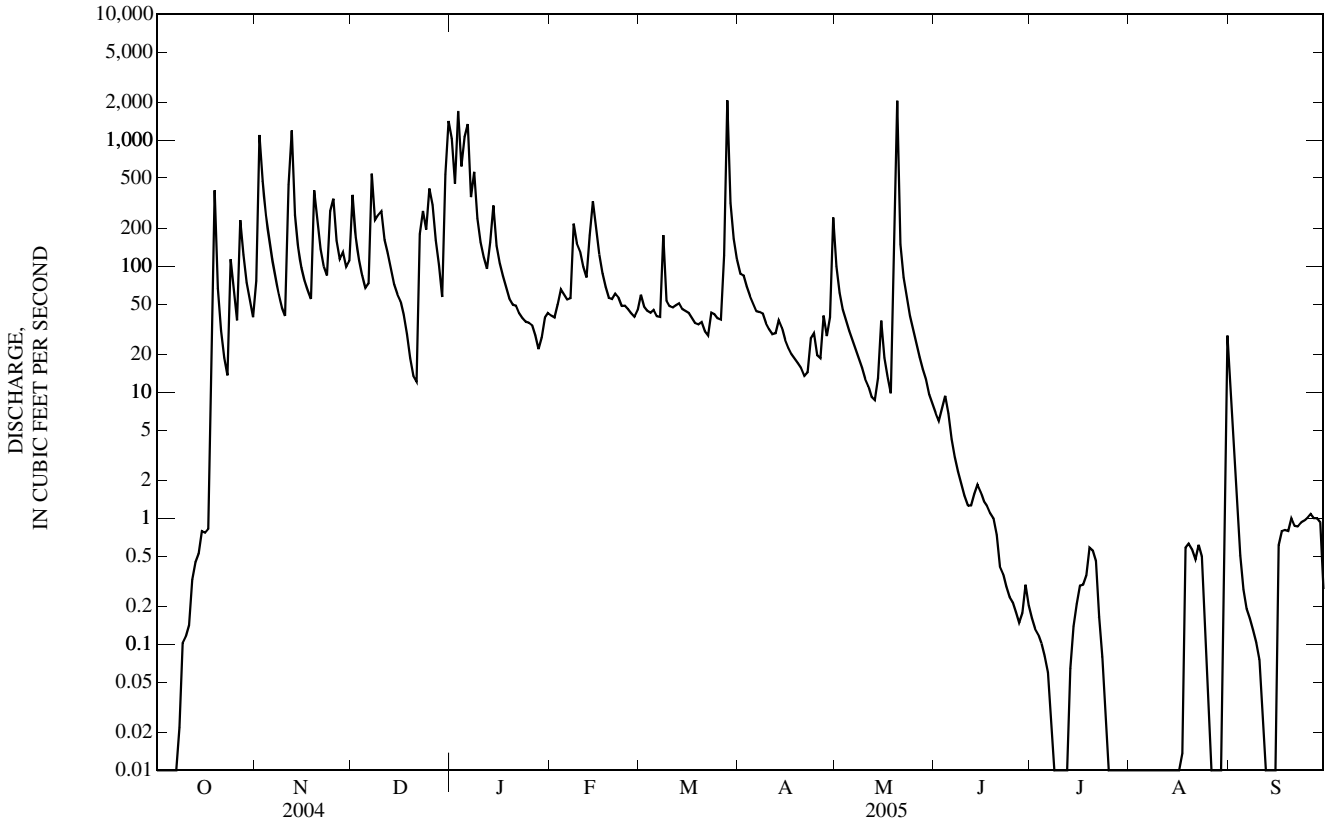
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	34.2	90.9	126	161	159	132	79.1	134	68.8	25.6	16.5	28.0
MAX	152	231	210	292	316	296	142	385	293	122	87.9	142
(WY)	(2003)	(2005)	(2005)	(2005)	(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	2.17	0.13	0.00	0.00
(WY)	(2000)	(2000)	(1999)	(2001)	(1999)	(2003)	(1999)	(1999)	(2005)	(2005)	(1999)	(1999)

03295702 BULLSKIN CREEK NEAR SIMPSONVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	49,149.68		35,078.64			
ANNUAL MEAN	134		96.1		85.2	
HIGHEST ANNUAL MEAN					133	2003
LOWEST ANNUAL MEAN					31.9	1999
HIGHEST DAILY MEAN	2,500	May 31	2,060	Mar 28	3,830	Feb 18, 2000
LOWEST DAILY MEAN	0.00	Sep 29	0.00	Oct 1	0.00	Aug 25, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1	0.00	Oct 1	0.00	Sep 5, 1998
MAXIMUM PEAK FLOW			5,600	May 20	8,990	Feb 18, 2000
MAXIMUM PEAK STAGE			16.86	May 20	21.05	Feb 18, 2000
10 PERCENT EXCEEDS	308		235		170	
50 PERCENT EXCEEDS	41		30		19	
90 PERCENT EXCEEDS	0.72		0.00		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.

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 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 19	0900	8,540	17.22	Jan 6	1800	6,280	14.98
Nov 3	0200	6,380	15.08	Mar 28	1200	*9,980	*18.46
Nov 12	1000	6,580	15.29	May 20	1000	9,920	18.41
Jan 4	0300	7,890	16.60				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

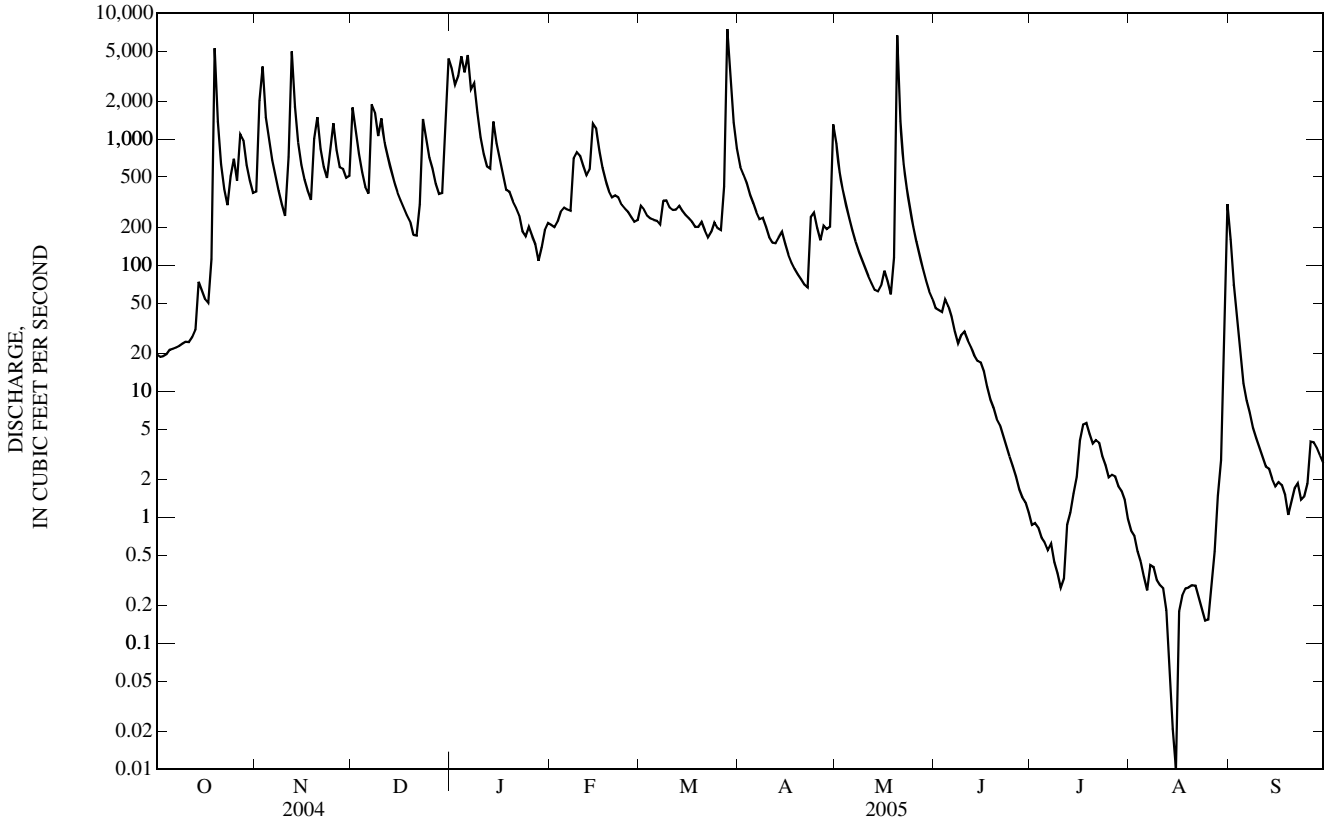
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	382	1,780	3,620	208	296	602	919	46	0.87	0.78	160
2	19	2,020	1,160	2,700	200	276	523	548	44	0.90	0.71	70
3	19	3,760	763	3,170	222	247	447	393	42	0.83	0.54	37
4	20	1,490	546	4,540	267	234	363	302	54	0.69	0.44	20
5	21	1,020	417	3,390	285	229	312	236	47	0.63	0.34	12
6	22	681	370	4,660	276	226	263	188	39	0.55	0.26	8.4
7	22	507	1,890	2,470	270	210	231	153	30	0.62	0.42	6.7
8	23	389	1,630	2,780	702	325	237	128	24	0.44	0.40	5.1
9	24	304	1,060	1,630	784	327	201	110	28	0.36	0.32	4.2
10	25	246	1,460	1,030	739	287	167	95	30	0.28	0.29	3.6
11	25	722	939	761	612	274	151	82	25	0.33	0.27	3.0
12	27	4,950	729	606	517	276	149	72	22	0.87	0.18	2.5
13	31	1,820	581	584	577	297	166	64	19	1.1	0.07	2.4
14	74	939	458	1,380	1,330	269	183	62	17	1.5	0.02	2.0
15	63	626	381	926	1,220	250	148	69	17	2.1	0.00	1.8
16	54	476	330	690	818	236	121	91	14	4.1	0.18	1.9
17	50	388	288	529	594	221	105	74	11	5.4	0.24	1.8
18	111	328	250	396	469	201	93	59	8.6	5.6	0.27	1.5
19	5,270	1,010	223	383	388	201	84	115	7.4	4.6	0.28	1.0
20	1,370	1,500	174	321	344	220	77	6,640	6.1	3.8	0.29	1.3
21	633	837	172	285	357	188	70	1,400	5.4	4.1	0.29	1.7
22	401	602	304	248	344	166	67	633	4.4	3.9	0.23	1.9
23	299	491	1,450	185	302	183	239	405	3.7	3.1	0.19	1.4
24	509	788	1,020	170	281	218	260	287	3.0	2.6	0.15	1.5
25	701	1,340	713	201	266	197	197	203	2.5	2.1	0.15	1.9
26	468	817	580	171	242	190	157	154	2.1	2.2	0.30	4.0
27	1,100	599	440	147	221	421	206	120	1.7	2.1	0.54	3.9
28	981	579	368	108	228	7,470	193	94	1.4	1.8	1.5	3.5
29	622	492	373	138	---	2,950	202	75	1.3	1.6	2.8	3.1
30	468	511	1,350	190	---	1,350	1,310	62	1.1	1.4	31	2.7
31	373	---	4,360	216	---	844	---	54	---	0.97	305	---
TOTAL	13,845	30,614	26,559	38,625	13,063	19,279	7,524	13,887	557.7	61.44	348.45	371.8
MEAN	447	1,020	857	1,246	467	622	251	448	18.6	1.98	11.2	12.4
MAX	5,270	4,950	4,360	4,660	1,330	7,470	1,310	6,640	54	5.6	305	160
MIN	19	246	172	108	200	166	67	54	1.1	0.28	0.00	1.0
CFSM	1.72	3.94	3.31	4.81	1.80	2.40	0.97	1.73	0.07	0.01	0.04	0.05
IN.	1.99	4.40	3.81	5.55	1.88	2.77	1.08	1.99	0.08	0.01	0.05	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	72.9	238	482	581	750	694	433	510	291	106	59.1	50.2
MAX	447	1,020	1,806	1,246	1,984	3,025	841	1,912	1,318	584	291	659
(WY)	(2005)	(2005)	(1991)	(2005)	(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	1.98	0.03	0.00
(WY)	(1989)	(2000)	(2000)	(1986)	(1992)	(1983)	(1986)	(2000)	(1988)	(2005)	(1983)	(1983)

03295890 BRASHEARS CREEK AT TAYLORSVILLE, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	206,653.7		164,735.39		354	
ANNUAL MEAN	565		451		184	
HIGHEST ANNUAL MEAN					642 1997	
LOWEST ANNUAL MEAN					184 2001	
HIGHEST DAILY MEAN	12,000	May 31	7,470	Mar 28	39,600	Mar 2, 1997
LOWEST DAILY MEAN	6.4	Sep 26	0.00	Aug 15	0.00	Aug 19, 1983
ANNUAL SEVEN-DAY MINIMUM	9.5	Sep 22	0.14	Aug 11	0.00	Aug 19, 1983
MAXIMUM PEAK FLOW			9,980	Mar 28	44,800	Mar 2, 1997
MAXIMUM PEAK STAGE					31.54	Mar 2, 1997
INSTANTANEOUS LOW FLOW					0.08	Oct 1, 1994
ANNUAL RUNOFF (CFSM)	2.18		1.74		1.37	
ANNUAL RUNOFF (INCHES)	29.68		23.66		18.58	
10 PERCENT EXCEEDS	1,450		1,080		863	
50 PERCENT EXCEEDS	221		188		100	
90 PERCENT EXCEEDS	21		0.85		2.2	



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.--WDR KY-04-1, peak stage.

GAGE.--Water-stage recorder with telemetry and crest-stage gage. Datum of gage is 422.73 ft above NGVD of 1929. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	12	61	90	12	21	22	26	0.40	0.00	0.00	4.3
2	0.02	e146	23	58	11	15	32	16	0.65	0.00	0.00	1.2
3	0.01	e34	15	85	15	12	23	11	0.93	0.00	0.00	0.52
4	0.01	17	11	109	12	12	17	8.8	0.76	0.00	0.00	0.24
5	0.01	9.2	8.2	80	11	10	14	6.9	0.38	0.00	0.00	0.12
6	0.01	5.9	13	e122	9.6	8.9	12	5.7	0.23	0.00	0.00	0.07
7	0.01	4.2	141	e67	16	14	12	4.7	0.15	0.00	0.00	0.04
8	0.01	2.5	37	e72	44	25	14	3.9	0.10	0.00	0.00	0.03
9	0.01	1.4	81	e55	27	13	9.8	3.3	0.07	0.00	0.00	0.03
10	0.01	1.2	52	e44	23	12	8.3	2.7	0.06	0.00	0.00	0.02
11	0.01	140	38	e36	19	12	7.4	2.2	0.09	0.00	0.00	0.02
12	0.01	e83	30	e29	16	18	9.7	1.7	0.25	0.00	0.00	0.01
13	0.01	21	21	e40	57	16	24	1.4	0.22	0.00	0.00	0.01
14	0.10	11	15	e37	55	12	17	4.5	0.15	0.00	0.00	0.01
15	0.16	7.6	13	e30	35	11	10	4.6	0.38	0.01	0.00	0.01
16	0.12	5.9	12	e25	25	9.5	8.0	1.7	0.07	0.01	0.00	0.01
17	0.08	4.8	10	e18	19	8.8	6.9	1.3	0.03	0.01	0.00	0.02
18	1.9	4.1	9.2	e18	16	7.7	5.9	1.1	0.02	0.01	0.00	0.01
19	37	87	e7.2	15	13	8.0	5.0	130	0.01	0.01	0.00	0.01
20	1.9	27	e7.7	14	17	8.2	4.4	e108	0.01	0.01	0.00	0.01
21	0.49	15	7.4	13	24	6.8	4.0	e21	0.01	0.00	e0.00	0.01
22	0.24	11	43	e11	20	6.7	4.5	9.7	0.01	0.02	e0.00	0.01
23	0.65	10	46	e10	16	14	14	8.1	0.01	0.01	0.00	0.01
24	22	48	e17	e9.0	15	13	6.0	4.2	0.00	0.01	0.00	0.01
25	3.2	23	e17	8.0	12	12	4.4	2.9	0.00	0.00	0.00	0.01
26	0.95	14	15	8.0	11	11	8.6	2.0	0.00	0.00	0.00	0.02
27	65	14	e11	e5.6	10	154	13	1.5	0.00	0.00	0.00	0.02
28	9.8	21	e11	e4.1	23	e62	7.0	1.0	0.00	0.00	0.00	0.01
29	4.4	12	57	13	---	e48	40	0.81	0.00	0.00	0.00	0.01
30	2.4	41	196	23	---	40	108	0.61	0.00	0.00	62	0.01
31	1.2	---	168	15	---	28	---	0.51	---	0.00	27	---
TOTAL	151.74	833.8	1,193.7	1,163.7	583.6	649.6	471.9	397.83	4.99	0.10	89.00	6.81
MEAN	4.89	27.8	38.5	37.5	20.8	21.0	15.7	12.8	0.17	0.00	2.87	0.23
MAX	65	146	196	122	57	154	108	130	0.93	0.02	62	4.3
MIN	0.01	1.2	7.2	4.1	9.6	6.7	4.0	0.51	0.00	0.00	0.00	0.01

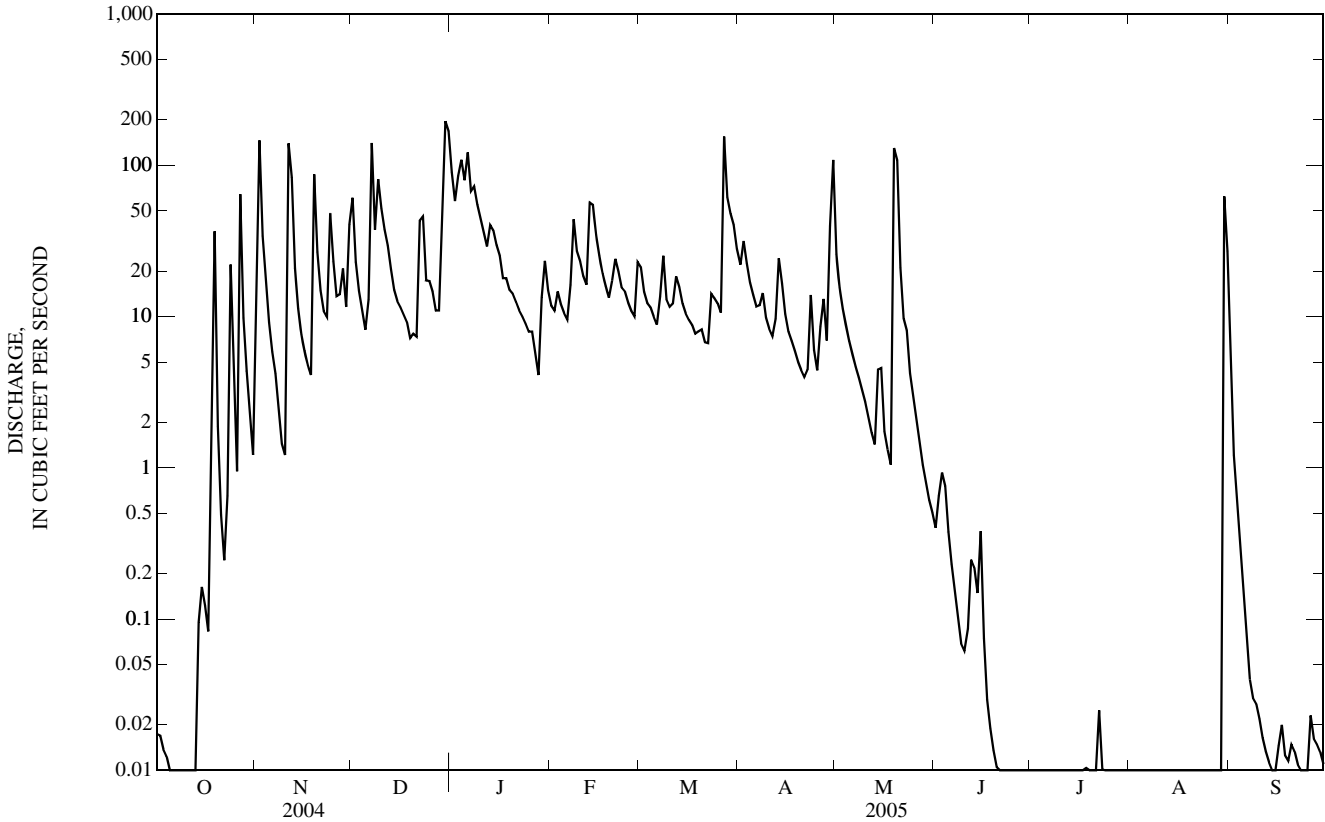
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	7.44	22.7	33.8	31.3	42.3	15.9	22.6	38.7	10.9	5.81	5.52	11.4
MAX	15.3	27.8	38.5	37.5	83.5	21.0	29.7	70.4	21.7	17.5	11.4	27.0
(WY)	(2003)	(2005)	(2005)	(2005)	(2003)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)
MIN	2.09	17.6	24.5	23.9	20.8	9.54	15.7	12.8	0.17	0.00	0.01	0.21
(WY)	(2004)	(2003)	(2004)	(2003)	(2005)	(2003)	(2005)	(2005)	(2005)	(2005)	(2002)	(2004)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	9,029.52		5,546.77			
ANNUAL MEAN	24.7		15.2		20.9	
HIGHEST ANNUAL MEAN					24.6	2003
LOWEST ANNUAL MEAN					15.2	2005
HIGHEST DAILY MEAN	640	May 28	196	Dec 30	758	Apr 28, 2002
LOWEST DAILY MEAN	0.01	Oct 3	0.00	Jun 24	0.00	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.01	Oct 3	0.00	Jun 24	0.00	Aug 13, 2002
MAXIMUM PEAK FLOW			2,340	May 20	2,340	May 20, 2005
MAXIMUM PEAK STAGE			12.23	May 20	12.26	Jun 1, 2004
10 PERCENT EXCEEDS	62		40		48	
50 PERCENT EXCEEDS	8.2		5.9		7.1	
90 PERCENT EXCEEDS	0.23		0.00		0.03	

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)
Jan 3	1630	5,750	17.62	May 20	0415	*9,060	*21.58
Mar 28	0700	5,330	16.95				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	44	538	1,520	e95	122	128	185	11	2.9	2.1	56
2	1.0	1,690	176	652	75	80	129	109	10	3.8	2.3	16
3	1.0	548	94	2,960	90	68	114	76	11	3.2	2.0	8.0
4	1.0	235	56	879	100	63	95	58	13	2.7	1.9	5.4
5	1.1	110	39	1,990	80	75	82	47	11	2.5	2.0	4.1
6	1.1	55	55	2,140	71	69	69	40	9.0	2.3	1.9	3.6
7	1.0	32	750	486	77	67	68	34	7.2	2.4	1.9	3.1
8	1.00	20	266	903	427	237	67	30	12	2.2	2.1	2.9
9	1.00	14	552	347	205	112	53	26	27	2.3	2.5	2.6
10	1.0	11	485	220	162	88	46	24	8.1	2.2	2.5	2.5
11	1.0	1,150	225	166	124	79	42	22	6.4	2.3	2.9	2.3
12	1.2	1,580	148	150	105	86	44	19	6.2	4.0	2.5	2.1
13	2.2	274	88	365	318	88	78	17	9.3	6.8	2.6	2.0
14	2.6	112	52	559	604	71	59	117	6.8	5.7	3.0	1.9
15	2.1	60	36	207	299	64	45	128	5.4	4.1	3.2	1.9
16	1.7	38	30	e148	167	58	38	45	4.9	5.6	6.0	1.9
17	1.8	27	26	e119	121	53	34	28	4.0	5.3	6.8	1.8
18	128	22	21	e89	96	48	31	23	3.4	5.3	3.5	1.7
19	594	1,080	19	e69	78	46	29	644	3.6	43	3.8	1.7
20	43	364	17	e66	76	51	27	4,140	3.3	47	5.1	2.5
21	12	149	15	e61	91	42	25	258	2.8	19	3.2	4.3
22	6.5	79	134	e50	79	39	25	109	2.6	9.4	2.4	2.8
23	5.5	55	e220	e43	67	54	67	60	2.5	7.3	2.1	2.2
24	132	266	e229	e38	73	63	67	39	2.5	4.7	2.0	1.9
25	35	305	e316	e42	67	52	39	28	2.4	3.8	1.9	1.8
26	14	116	e189	e42	60	51	90	23	2.4	3.0	1.8	2.6
27	510	81	e100	e34	55	165	188	19	2.4	2.5	1.9	4.4
28	123	191	e68	e37	72	2,630	78	17	2.6	2.3	7.8	3.1
29	40	88	e124	e54	---	498	123	16	2.9	2.0	7.2	2.6
30	27	93	996	e113	---	231	667	13	2.6	1.9	534	2.3
31	19	---	1,860	e128	---	168	---	12	---	2.0	384	---
TOTAL	1,711.80	8,889	7,924	14,677	3,934	5,618	2,647	6,406	198.3	213.5	1,008.9	152.0
MEAN	55.2	296	256	473	140	181	88.2	207	6.61	6.89	32.5	5.07
MAX	594	1,690	1,860	2,960	604	2,630	667	4,140	27	47	534	56
MIN	1.0	11	15	34	55	39	25	12	2.4	1.9	1.8	1.7
CFSM	0.69	3.71	3.20	5.93	1.76	2.27	1.10	2.59	0.08	0.09	0.41	0.06
IN.	0.80	4.14	3.69	6.83	1.83	2.62	1.23	2.98	0.09	0.10	0.47	0.07

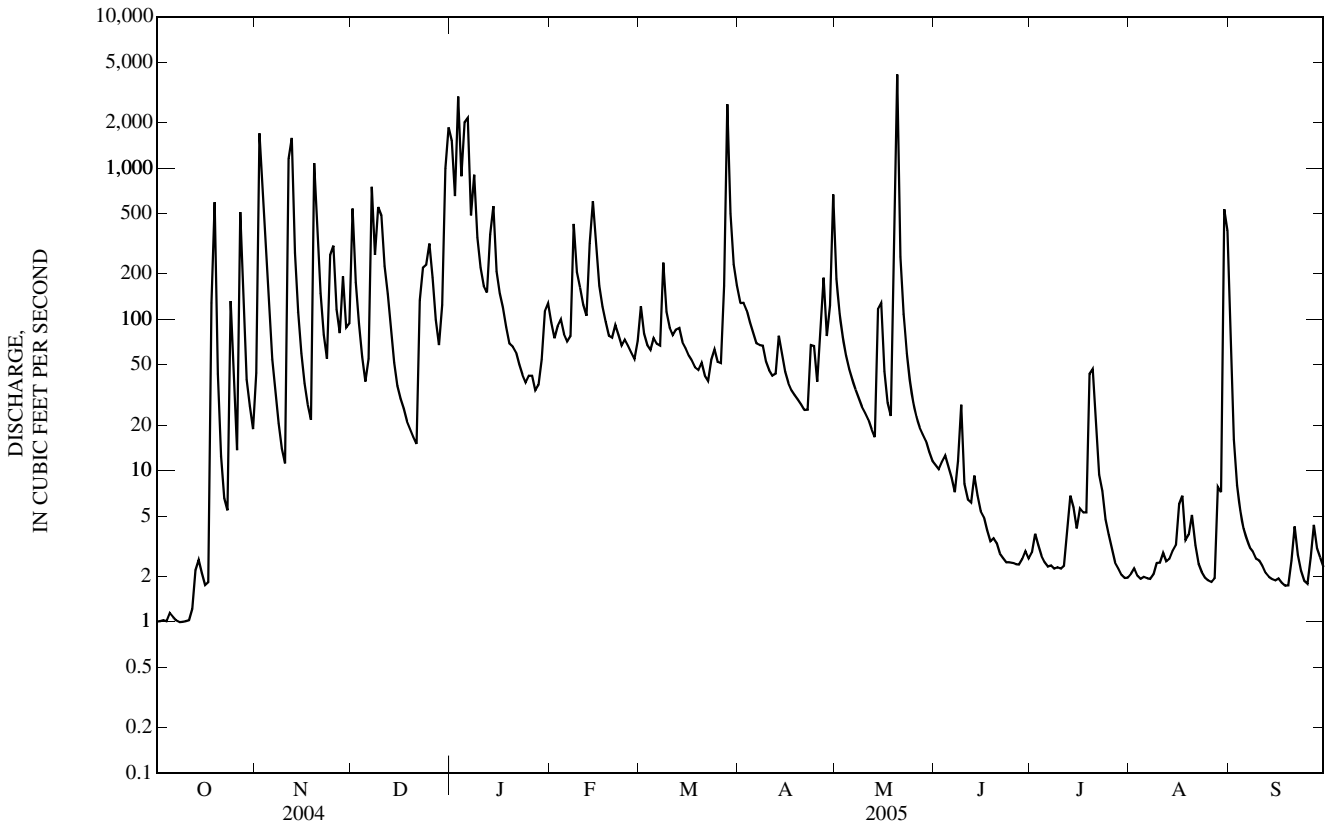
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

MEAN	31.4	95.4	153	225	189	237	134	195	116	36.9	33.6	33.2
MAX	132	296	331	473	448	958	306	560	381	186	149	215
(WY)	(2003)	(2005)	(1997)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1991 - 2005	
ANNUAL TOTAL	66,447.50		53,379.50		122	
ANNUAL MEAN	182		146		198	
HIGHEST ANNUAL MEAN					198 1997	
LOWEST ANNUAL MEAN					57.5 2001	
HIGHEST DAILY MEAN	4,130	May 28	4,140	May 20	10,500	Mar 2, 1997
LOWEST DAILY MEAN	1.0	Sep 22	1.0	Oct 1	0.00	Sep 2, 1999
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 22	1.0	Oct 1	0.01	Sep 23, 1999
MAXIMUM PEAK FLOW			9,060	May 20	18,800	Mar 2, 1997
MAXIMUM PEAK STAGE			21.58	May 20	28.60	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.27		1.83		1.53	
ANNUAL RUNOFF (INCHES)	30.94		24.85		20.81	
10 PERCENT EXCEEDS	456		309		238	
50 PERCENT EXCEEDS	41		39		31	
90 PERCENT EXCEEDS	1.4		2.1		2.1	

e Estimated



03298000 FLOYDS FORK AT FISHERVILLE, KY

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 Fishersville, 0.2 mi downstream from Brush Run, 1.4 mi upstream from Pope Lick, and at mile 32.7.

DRAINAGE AREA.--138 mi².

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 20	0145	*11,800	*12.99	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	167	846	2,090	141	205	236	417	27	11	2.2	241
2	2.1	2,230	426	1,050	123	148	220	224	27	15	2.0	105
3	7.5	1,140	263	3,480	166	128	198	151	31	9.7	1.8	61
4	3.5	519	183	1,520	188	117	153	114	39	9.0	2.2	40
5	3.1	319	141	2,250	145	126	130	91	31	8.4	3.8	29
6	2.6	195	152	2,920	124	129	111	76	25	7.5	4.2	22
7	2.3	136	1,090	855	160	109	104	62	20	6.8	3.2	16
8	2.0	99	591	1,280	709	312	126	52	18	6.0	2.7	15
9	2.2	74	727	644	446	189	91	44	59	6.0	2.1	11
10	3.1	58	913	445	361	141	77	43	33	6.0	1.8	8.3
11	4.3	897	479	324	252	128	69	39	21	6.0	2.0	5.0
12	13	2,650	366	276	203	139	76	26	19	17	2.7	4.2
13	31	593	252	432	444	158	185	22	23	49	6.2	4.1
14	25	313	175	919	910	128	126	165	29	40	17	3.9
15	21	196	e115	415	592	116	89	281	28	26	22	6.5
16	21	130	e76	285	358	114	70	103	18	27	80	14
17	13	114	e51	208	239	97	61	59	16	24	63	6.7
18	335	95	e34	e161	179	89	54	41	15	19	32	4.1
19	1,290	1,350	e26	e121	145	86	48	714	13	51	21	4.3
20	244	725	e21	e97	137	98	43	6,050	13	65	31	23
21	94	374	e20	e82	166	85	40	558	12	97	23	24
22	52	234	325	e69	151	75	38	291	11	68	15	17
23	38	180	e437	e59	124	105	92	180	11	49	10	12
24	233	495	e393	e55	128	124	122	119	10	32	7.9	6.5
25	172	652	e596	e51	119	104	74	87	10	e17	3.8	5.2
26	81	326	e400	e46	108	99	112	69	9.3	e10	3.5	11
27	750	229	e210	e41	99	290	343	55	9.0	e6.5	8.8	18
28	363	403	e141	e39	123	3,510	143	47	9.0	e4.5	12	15
29	171	254	175	e56	---	865	223	41	9.7	e3.3	88	15
30	114	255	1,240	139	---	468	1,050	34	9.2	2.7	681	13
31	92	---	2,570	164	---	330	---	30	---	2.8	834	---
TOTAL	4,187.5	15,402	13,434	20,573	7,040	8,812	4,504	10,285	605.2	702.2	1,989.9	760.8
MEAN	135	513	433	664	251	284	150	332	20.2	22.7	64.2	25.4
MAX	1,290	2,650	2,570	3,480	910	3,510	1,050	6,050	59	97	834	241
MIN	1.8	58	20	39	99	75	38	22	9.0	2.7	1.8	3.9
CFSM	0.98	3.72	3.14	4.81	1.82	2.06	1.09	2.40	0.15	0.16	0.47	0.18
IN.	1.13	4.15	3.62	5.55	1.90	2.38	1.21	2.77	0.16	0.19	0.54	0.21

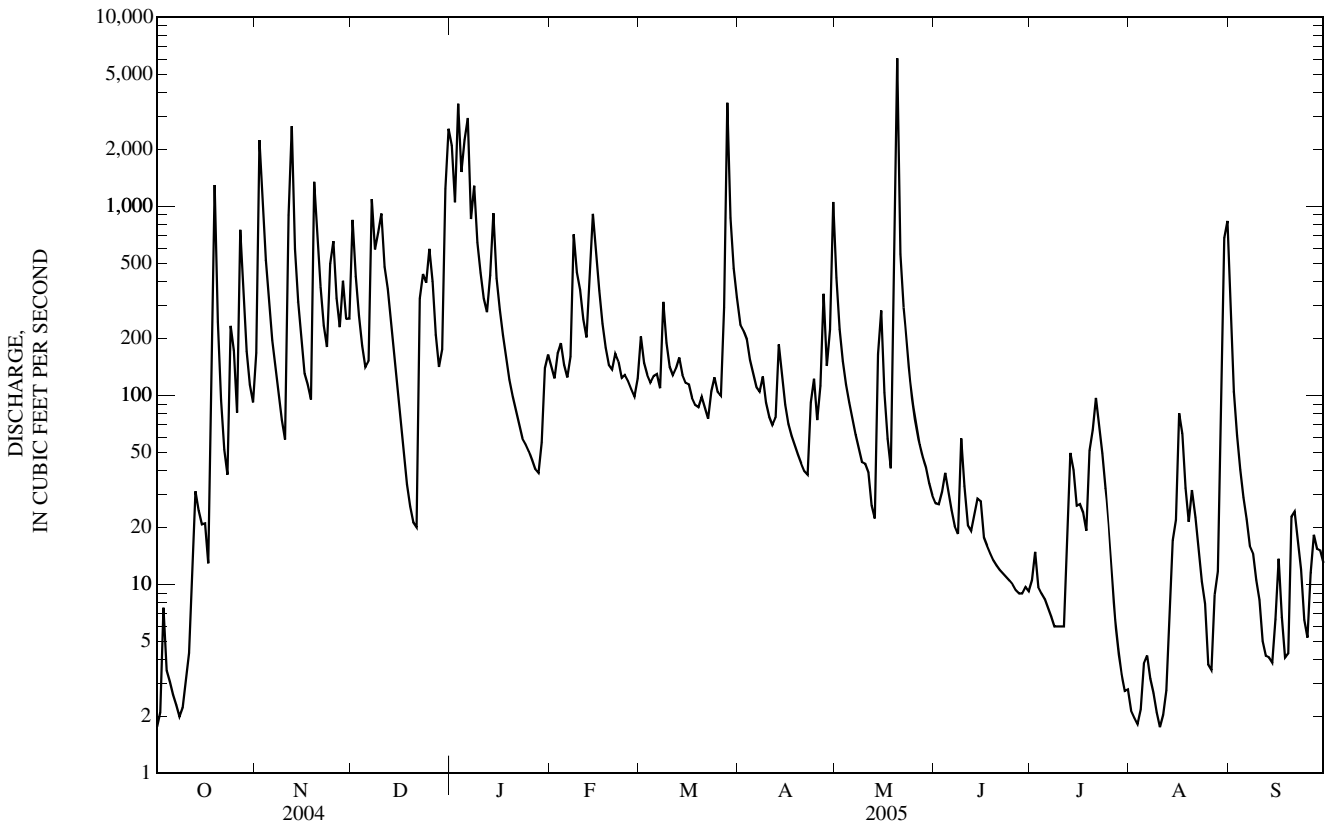
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

MEAN	39.1	118	240	303	364	393	274	227	129	66.8	46.1	44.5
MAX	423	513	1,025	1,252	990	1,639	1,021	971	622	331	290	1,020
(WY)	(1978)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1944 - 2005	
ANNUAL TOTAL	105,450.00		88,295.6		186	
ANNUAL MEAN	288		242		382	
HIGHEST ANNUAL MEAN					1979	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	4,990	May 28	6,050	May 20	20,000	Mar 2, 1997
LOWEST DAILY MEAN	0.22	Sep 12	1.8	Oct 1	0.00	Sep 7, 1945
ANNUAL SEVEN-DAY MINIMUM	0.46	Sep 20	2.4	Jul 29	0.00	Sep 7, 1945
MAXIMUM PEAK FLOW			11,800	May 20	42,100	Mar 2, 1997
MAXIMUM PEAK STAGE			12.99	May 20	17.39	Mar 2, 1997
INSTANTANEOUS LOW FLOW			1.7	Aug 3	0.00	Sep 7, 1945
ANNUAL RUNOFF (CF5M)	2.09		1.75		1.35	
ANNUAL RUNOFF (INCHES)	28.43		23.80		18.33	
10 PERCENT EXCEEDS	726		592		386	
50 PERCENT EXCEEDS	100		86		38	
90 PERCENT EXCEEDS	1.5		6.0		0.58	

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)
Oct 18	2040	1,330	6.45	May 19	2220	*1,550	*6.88

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

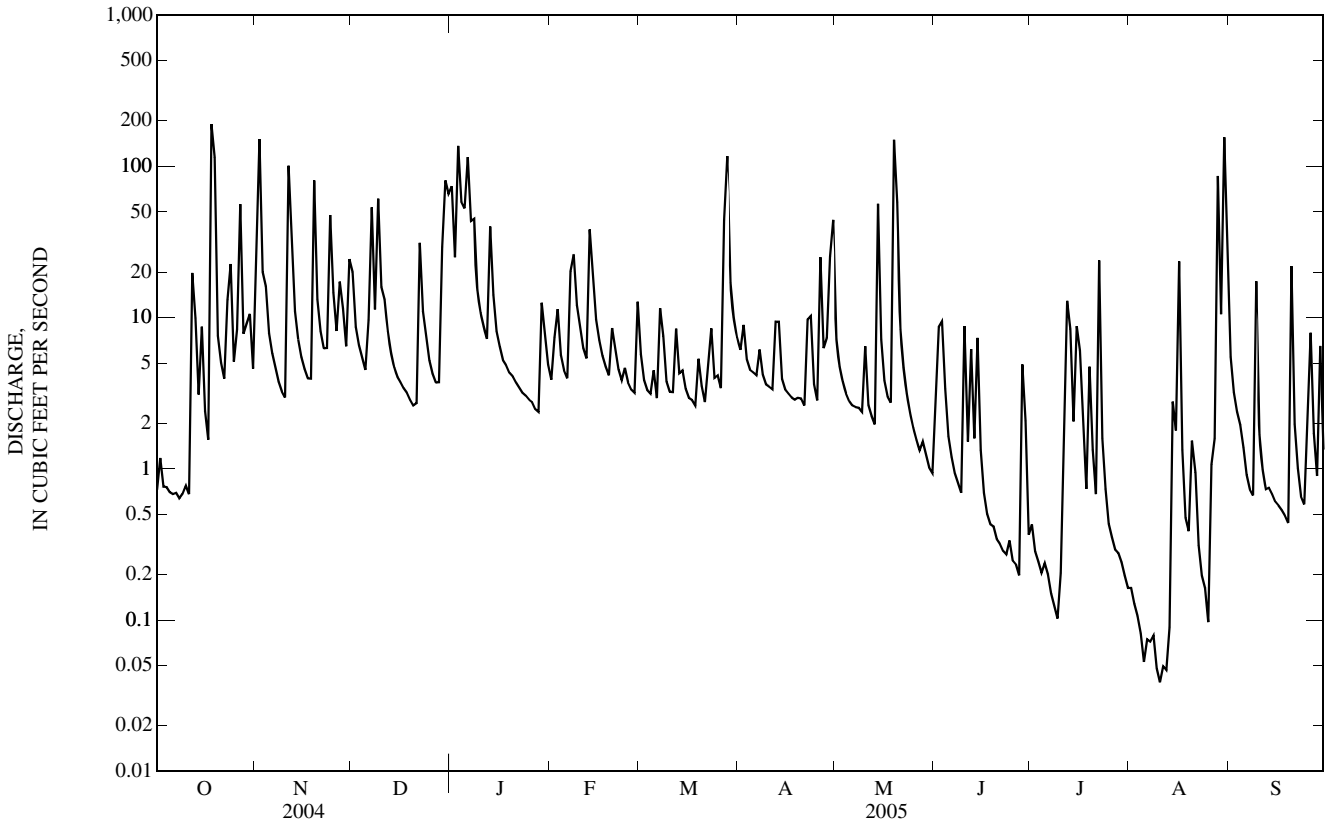
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.73	29	20	74	3.9	5.7	6.1	7.2	3.4	0.43	0.16	5.5
2	1.2	151	8.7	25	7.4	3.9	8.9	4.8	8.6	0.28	0.13	3.2
3	0.77	20	6.6	136	11	3.3	5.3	3.8	9.4	0.24	0.11	2.4
4	0.76	16	5.4	58	5.7	3.1	4.5	3.2	3.4	0.21	0.08	1.9
5	0.70	7.9	4.5	53	4.5	4.5	4.4	2.8	1.6	0.24	0.05	1.4
6	0.68	5.8	9.6	115	4.0	2.9	4.2	2.6	1.2	0.20	0.07	0.91
7	0.69	4.7	53	43	20	12	6.1	2.6	0.93	0.15	0.07	0.73
8	0.64	3.8	11	45	26	7.5	4.2	2.5	0.80	0.12	0.08	0.67
9	0.68	3.2	61	15	12	3.8	3.6	2.4	0.69	0.10	0.05	17
10	0.77	3.0	16	11	8.7	3.2	3.5	6.5	8.8	0.20	0.04	1.7
11	0.68	101	13	8.7	6.3	3.2	3.4	2.6	1.5	1.0	0.05	0.99
12	20	41	8.1	7.2	5.4	8.4	9.4	2.2	6.2	13	0.05	0.73
13	9.9	11	5.9	40	38	4.3	9.4	2.0	1.6	8.4	0.09	0.75
14	3.1	7.2	4.7	14	21	4.5	3.9	57	7.3	2.1	2.8	0.68
15	8.7	5.5	4.1	8.1	9.7	3.4	3.4	7.2	1.3	8.8	1.8	0.60
16	2.4	4.6	3.7	6.4	7.1	3.0	3.1	3.8	0.69	6.1	24	0.57
17	1.6	4.0	3.4	5.2	5.6	2.8	3.0	3.0	0.50	1.7	1.3	0.53
18	190	3.9	3.2	4.8	4.7	2.6	2.9	2.7	0.43	0.74	0.47	0.49
19	115	81	2.9	4.3	4.1	5.3	2.9	149	0.42	4.7	0.39	0.44
20	7.6	13	2.6	4.1	8.5	3.5	2.9	58	0.34	1.3	1.5	22
21	5.0	8.1	2.7	3.7	6.3	2.8	2.6	8.4	0.32	0.68	0.94	2.0
22	3.9	6.3	31	3.4	4.5	4.7	9.7	4.7	0.29	24	0.31	1.0
23	13	6.3	11	3.2	3.9	8.5	10	3.1	0.27	1.6	0.20	0.66
24	23	48	7.4	3.1	4.6	4.0	3.6	2.4	0.34	0.74	0.16	0.58
25	5.1	15	5.2	2.9	3.7	4.2	2.8	1.9	0.25	0.43	0.10	1.9
26	8.4	8.1	4.2	2.8	3.4	3.4	25	1.6	0.23	0.35	1.1	7.9
27	56	17	3.7	2.5	3.2	44	6.3	1.3	0.20	0.29	1.6	1.7
28	7.8	12	3.7	2.4	13	116	7.3	1.5	4.9	0.28	86	0.90
29	9.1	6.5	29	13	---	17	25	1.2	2.1	0.24	11	6.5
30	11	24	81	8.1	---	10	44	1.0	0.37	0.20	156	1.3
31	4.6	---	66	4.9	---	7.4	---	0.94	---	0.16	30	---
TOTAL	513.50	667.9	492.3	727.8	256.2	312.9	231.4	353.94	68.37	78.98	320.70	87.63
MEAN	16.6	22.3	15.9	23.5	9.15	10.1	7.71	11.4	2.28	2.55	10.3	2.92
MAX	190	151	81	136	38	116	44	149	9.4	24	156	22
MIN	0.64	3.0	2.6	2.4	3.2	2.6	2.6	0.94	0.20	0.10	0.04	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	9.29	10.7	15.5	12.7	11.5	11.1	11.6	13.3	6.02	4.02	4.80	6.11
MAX	16.6	22.3	26.0	23.5	21.5	25.6	22.8	28.6	12.3	15.2	10.3	15.1
(WY)	(2005)	(2005)	(2002)	(2005)	(2000)	(2002)	(2002)	(2004)	(1999)	(2004)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	4,604.22		4,111.62		9.95	
ANNUAL MEAN	12.6		11.3		4.37	
HIGHEST ANNUAL MEAN					14.5	2002
LOWEST ANNUAL MEAN					4.37	2001
HIGHEST DAILY MEAN	190	Oct 18	190	Oct 18	402	Feb 18, 2000
LOWEST DAILY MEAN	0.36	Sep 24	0.04	Aug 10	0.02	Jul 17, 2000
ANNUAL SEVEN-DAY MINIMUM	0.38	Sep 19	0.06	Aug 5	0.03	Jul 21, 2000
MAXIMUM PEAK FLOW			1,550	May 19	4,680	Mar 1, 1997
MAXIMUM PEAK STAGE			6.88	May 19	9.33	Mar 1, 1997
10 PERCENT EXCEEDS	29		25		21	
50 PERCENT EXCEEDS	3.9		3.8		3.0	
90 PERCENT EXCEEDS	0.73		0.32		0.46	



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)
Oct 18	2335	1,760	9.14	May 19	2200	*2,060	*9.82

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	51	59	232	15	21	12	18	9.9	6.5	6.1	16
2	3.9	337	28	80	18	15	15	11	18	6.0	6.2	11
3	3.5	55	22	336	32	13	11	8.7	18	5.7	6.1	8.6
4	3.5	35	18	142	22	13	9.3	7.5	14	5.6	6.3	7.5
5	3.9	20	15	130	17	15	8.6	6.7	9.5	5.8	6.3	6.6
6	3.6	15	23	297	15	12	8.4	6.2	8.5	6.0	6.1	6.3
7	3.7	12	132	101	41	23	11	5.9	8.1	5.8	6.0	6.6
8	3.7	11	37	118	73	28	9.7	5.7	7.9	5.9	6.2	5.8
9	3.8	9.5	136	47	38	17	8.2	5.6	7.6	5.6	6.4	23
10	3.8	8.9	52	35	32	14	8.4	9.0	15	5.6	6.3	7.3
11	4.0	212	38	29	24	14	9.1	6.3	8.8	6.8	6.3	6.5
12	22	117	28	25	21	26	18	6.0	15	19	6.4	6.1
13	14	32	21	79	82	18	22	5.7	9.7	21	6.2	6.2
14	6.2	21	17	47	61	18	11	102	14	10	6.4	6.0
15	10	16	15	29	35	15	9.4	12	8.8	15	11	6.1
16	5.0	14	14	23	27	15	8.3	6.6	7.6	13	33	5.9
17	4.2	13	13	19	22	14	8.0	5.2	7.1	9.4	9.3	5.8
18	e226	12	12	16	18	14	8.2	4.5	6.8	7.7	7.6	5.7
19	e337	183	11	16	16	19	8.2	226	6.6	11	7.2	5.6
20	e23	40	11	15	23	18	8.4	179	6.6	8.3	8.0	30
21	e13	25	11	14	22	16	8.0	30	6.6	7.6	8.5	8.2
22	e11	20	70	13	17	17	14	19	6.4	33	6.9	7.0
23	20	18	37	12	15	32	21	15	6.3	9.5	6.6	6.5
24	41	91	23	11	16	23	9.3	12	6.6	7.7	6.3	6.1
25	14	43	e18	11	14	22	7.9	11	6.2	7.3	6.3	6.4
26	11	25	16	11	13	21	47	9.6	6.1	6.9	6.7	17
27	116	34	14	10	12	97	16	9.1	6.2	6.7	9.8	8.1
28	22	34	13	9.9	28	384	13	8.8	8.9	6.5	89	7.2
29	19	21	58	24	---	62	51	8.1	11	6.3	20	13
30	20	46	196	26	---	30	131	7.9	6.6	6.1	265	7.7
31	13	---	231	18	---	17	---	7.8	---	5.9	59	---
TOTAL	988.7	1,571.4	1,389	1,975.9	769	1,063	530.4	775.9	278.4	283.2	647.5	269.8
MEAN	31.9	52.4	44.8	63.7	27.5	34.3	17.7	25.0	9.28	9.14	20.9	8.99
MAX	337	337	231	336	82	384	131	226	18	33	265	30
MIN	3.5	8.9	11	9.9	12	12	7.9	4.5	6.1	5.6	6.0	5.6

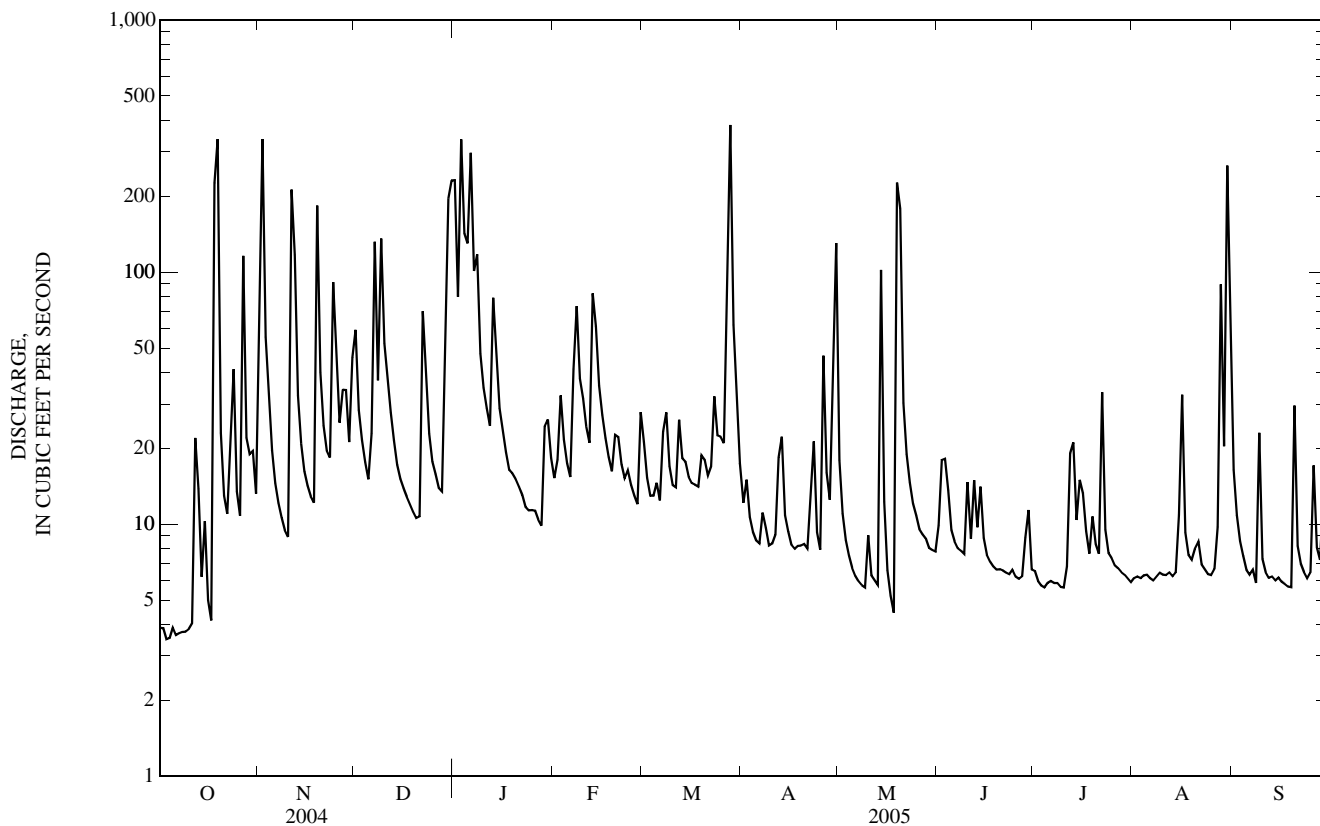
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	14.7	21.2	31.8	36.8	32.7	42.7	32.2	32.6	24.7	10.8	11.6	13.8
MAX	31.9	52.4	47.5	63.7	54.3	119	57.7	68.2	73.4	20.8	20.9	30.2
(WY)	(2005)	(2005)	(2003)	(2005)	(2000)	(1997)	(2002)	(2004)	(1997)	(2004)	(2005)	(2003)
MIN	3.81	7.23	15.6	9.24	17.4	15.7	9.17	11.3	9.28	5.52	4.76	3.73
(WY)	(1998)	(2000)	(1999)	(2001)	(2002)	(2001)	(2001)	(1999)	(2005)	(2002)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	12,279.5		10,542.2		25.4	
ANNUAL MEAN	33.6		28.9		13.7	
HIGHEST ANNUAL MEAN					32.3	1997
LOWEST ANNUAL MEAN					13.7	2001
HIGHEST DAILY MEAN	352	Mar 4	384	Mar 28	1,590	Mar 1, 1997
LOWEST DAILY MEAN	1.7	Jul 4	3.5	Oct 3	1.7	Jul 4, 2004
ANNUAL SEVEN-DAY MINIMUM	2.5	Jun 28	3.7	Oct 3	2.3	Mar 4, 2000
MAXIMUM PEAK FLOW			2,060	May 19	4,810	Mar 2, 1997
MAXIMUM PEAK STAGE			9.82	May 19	14.72	Mar 2, 1997
10 PERCENT EXCEEDS	83		58		49	
50 PERCENT EXCEEDS	15		13		10	
90 PERCENT EXCEEDS	3.9		6.0		4.4	

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 period Oct. 1-18 and those estimated, which are poor.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	284	1,130	3,700	229	281	347	567	51	19	12	285
2	6.8	3,790	556	1,800	205	229	326	316	62	18	12	101
3	6.4	2,430	372	4,400	274	200	296	227	63	21	12	55
4	7.5	661	279	3,440	299	186	244	181	73	19	11	37
5	8.4	441	225	3,240	242	180	215	154	62	18	11	26
6	7.9	297	238	5,290	213	180	192	135	53	17	11	20
7	8.5	224	1,830	1,340	365	180	182	121	48	16	11	18
8	8.5	176	834	2,120	999	368	197	110	44	15	12	15
9	8.1	145	966	863	610	273	167	101	43	14	11	28
10	e12	126	1,380	589	511	211	149	98	87	14	11	16
11	e16	1,100	595	463	381	194	140	94	61	14	11	14
12	e25	4,920	471	397	312	215	147	83	52	23	10	12
13	e43	796	352	551	641	234	326	76	50	48	10	11
14	29	437	266	1,260	1,160	203	223	240	48	50	9.6	11
15	24	301	219	541	789	184	170	331	54	39	12	11
16	19	236	193	406	466	173	145	170	43	39	26	10
17	16	198	178	317	342	164	131	119	36	37	67	11
18	1,010	174	162	e260	270	155	121	98	34	32	31	11
19	3,620	2,100	150	243	230	150	112	565	31	26	21	10
20	425	1,070	129	223	223	165	104	9,710	29	116	18	28
21	192	492	124	208	274	151	99	777	28	54	23	22
22	125	340	450	186	249	140	97	372	27	78	18	16
23	105	278	e572	e159	212	175	145	240	25	54	16	14
24	280	653	e528	e168	206	199	168	168	24	36	13	12
25	268	859	e738	e159	195	176	136	128	24	27	12	11
26	148	444	e531	151	182	168	157	103	22	21	12	17
27	1,090	338	e345	141	170	542	387	86	20	18	13	15
28	496	507	272	120	201	6,540	210	73	20	16	67	14
29	263	363	320	152	---	1,390	324	65	26	15	87	17
30	187	374	1,780	258	---	623	1,660	59	19	14	844	14
31	154	---	4,870	259	---	444	---	55	---	13	1,350	---
TOTAL	8,616.7	24,554	21,055	33,404	10,450	14,673	7,317	15,622	1,259	941	2,784.6	882
MEAN	278	818	679	1,078	373	473	244	504	42.0	30.4	89.8	29.4
MAX	3,620	4,920	4,870	5,290	1,160	6,540	1,660	9,710	87	116	1,350	285
MIN	6.4	126	124	120	170	140	97	55	19	13	9.6	10

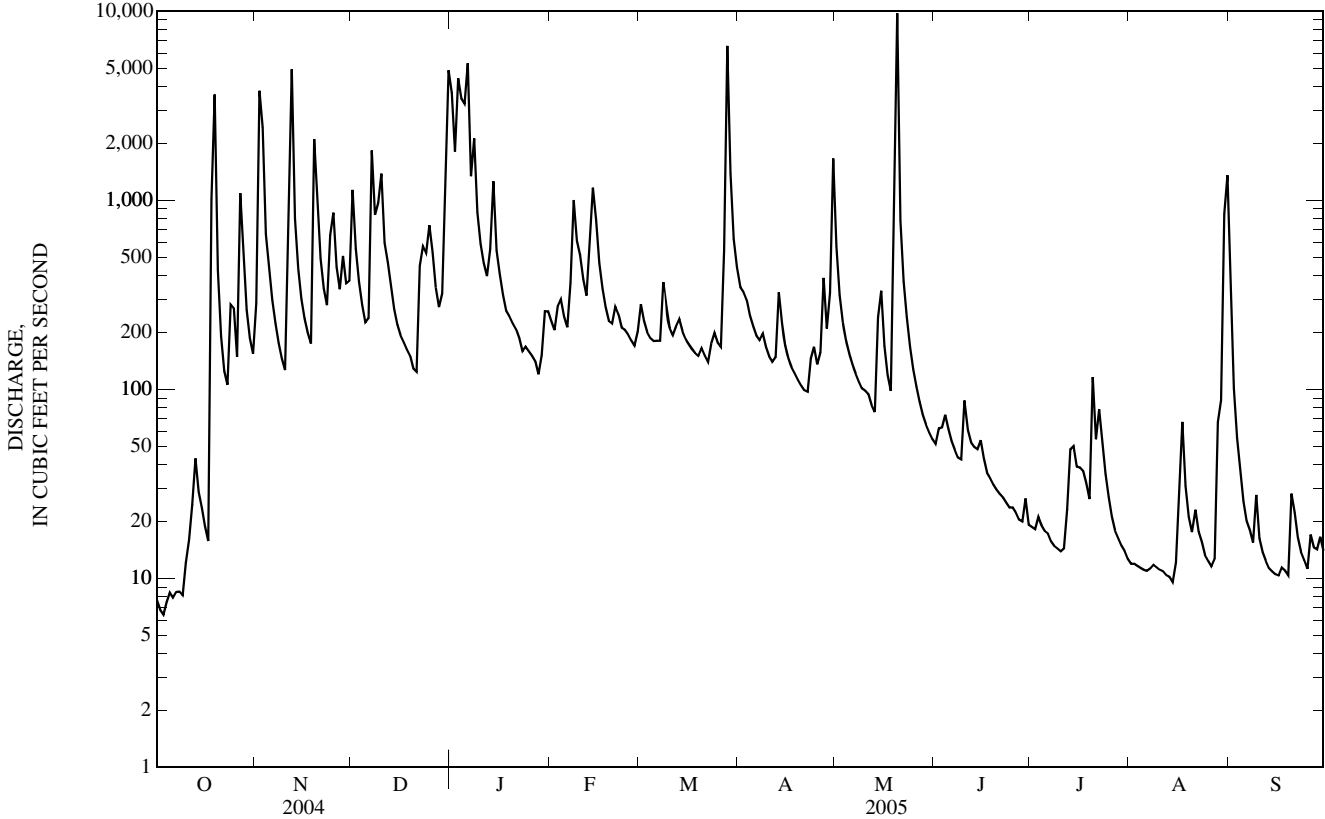
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	239	459	584	547	482	490	420	714	213	147	111	193
MAX	367	818	800	1,078	900	1,018	676	1,302	349	513	331	579
(WY)	(2003)	(2005)	(2003)	(2005)	(2003)	(2002)	(2002)	(2004)	(2002)	(2004)	(2003)	(2003)
MIN	96.0	94.1	402	122	186	263	116	166	42.0	30.4	10.7	11.0
(WY)	(2004)	(2001)	(2001)	(2001)	(2002)	(2001)	(2001)	(2001)	(2005)	(2005)	(2002)	(2001)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	176,998.9		141,558.3		434	
ANNUAL MEAN	484		388		388	
HIGHEST ANNUAL MEAN					493	2003
LOWEST ANNUAL MEAN					388	2005
HIGHEST DAILY MEAN	8,730	May 28	9,710	May 20	9,710	May 20, 2005
LOWEST DAILY MEAN	6.4	Oct 3	6.4	Oct 3	3.0	Sep 30, 2001
ANNUAL SEVEN-DAY MINIMUM	7.6	Oct 1	7.6	Oct 1	4.1	Sep 13, 2001
MAXIMUM PEAK FLOW			11,800	May 20	13,900	Jan 24, 2002
MAXIMUM PEAK STAGE			18.36	May 20	19.65	Jan 24, 2002
10 PERCENT EXCEEDS	1,050		792		917	
50 PERCENT EXCEEDS	189		155		153	
90 PERCENT EXCEEDS	24		12		19	

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 523.36 ft above NGVD of 1929.

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

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)
Oct 18	2055	*1,060	*6.19	May 19	2305	830	5.64
Oct 19	0045	702	5.30	May 20	0430	656	5.17
Nov 2	1155	727	5.37				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.30	20	33	111	6.4	8.2	12	12	0.77	0.22	0.25	8.0
2	0.25	204	18	49	6.3	5.6	12	6.3	1.1	0.26	0.23	3.3
3	0.24	41	14	130	12	4.7	9.6	4.4	2.2	0.23	0.28	1.9
4	0.21	21	11	64	9.5	4.4	7.7	3.4	2.6	0.25	0.28	1.3
5	0.18	14	8.6	60	7.5	4.4	6.6	2.8	1.4	0.30	0.27	1.0
6	0.14	9.6	11	112	6.6	3.8	5.6	2.3	1.0	0.25	0.30	0.77
7	0.14	7.7	72	44	14	5.6	5.8	2.1	0.75	0.27	0.30	0.66
8	0.14	5.5	25	56	31	9.2	5.4	2.1	0.55	0.31	0.33	0.55
9	0.13	4.4	45	27	20	5.5	4.4	1.8	0.42	0.33	0.32	1.9
10	0.13	3.8	34	20	18	4.5	3.8	1.5	0.36	0.31	0.38	1.8
11	0.15	80	23	17	14	4.4	3.7	1.3	0.56	0.74	0.34	1.0
12	0.66	83	19	14	12	5.9	5.4	1.1	1.4	1.3	0.35	0.74
13	0.34	22	14	30	25	5.9	7.4	0.98	1.2	1.1	0.36	0.50
14	0.08	14	11	e23	27	4.6	4.8	16	0.88	0.76	0.51	0.42
15	0.12	10	8.8	e17	19	4.0	3.6	6.9	0.55	0.58	0.63	0.42
16	0.06	8.5	7.8	e13	15	3.6	3.1	3.0	0.34	0.39	1.1	0.57
17	0.04	7.6	7.0	e10	11	3.5	2.8	2.0	0.22	0.43	0.81	0.73
18	145	6.9	6.3	e8.5	8.6	3.4	2.7	1.5	0.19	0.32	0.75	0.75
19	157	72	5.5	e7.0	7.3	3.5	2.5	83	0.17	0.27	1.2	0.81
20	13	27	4.3	e6.1	9.3	3.3	2.2	200	0.17	0.24	1.5	1.1
21	6.5	17	4.6	e5.4	12	3.0	2.1	20	0.17	0.23	0.43	0.66
22	4.9	13	28	e4.7	9.6	3.1	2.6	11	0.18	1.7	0.50	0.59
23	5.7	11	e18	e4.2	7.5	5.4	3.8	12	0.17	0.40	0.46	0.53
24	12	34	e12	e3.9	7.1	5.1	2.5	6.4	0.17	0.29	0.40	0.47
25	7.9	27	e8.6	e3.5	5.9	4.6	1.9	4.0	0.19	0.25	0.52	0.58
26	6.2	16	e6.9	e3.2	5.3	4.2	7.1	2.7	0.22	0.25	0.71	1.3
27	54	15	e5.7	e3.0	4.8	25	7.1	2.2	0.22	0.26	0.42	0.93
28	17	20	e4.7	3.1	7.3	144	3.1	1.8	1.0	0.27	7.1	0.57
29	9.6	13	20	7.4	---	36	9.2	1.3	0.22	0.24	1.3	0.56
30	7.8	18	105	12	---	21	37	1.1	0.21	0.22	60	0.34
31	5.2	---	140	8.4	---	15	---	0.93	---	0.21	34	---
TOTAL	455.11	846.0	731.8	877.4	339.0	364.4	187.5	417.91	19.58	13.18	116.33	34.75
MEAN	14.7	28.2	23.6	28.3	12.1	11.8	6.25	13.5	0.65	0.43	3.75	1.16
MAX	157	204	140	130	31	144	37	200	2.6	1.7	60	8.0
MIN	0.04	3.8	4.3	3.0	4.8	3.0	1.9	0.93	0.17	0.21	0.23	0.34

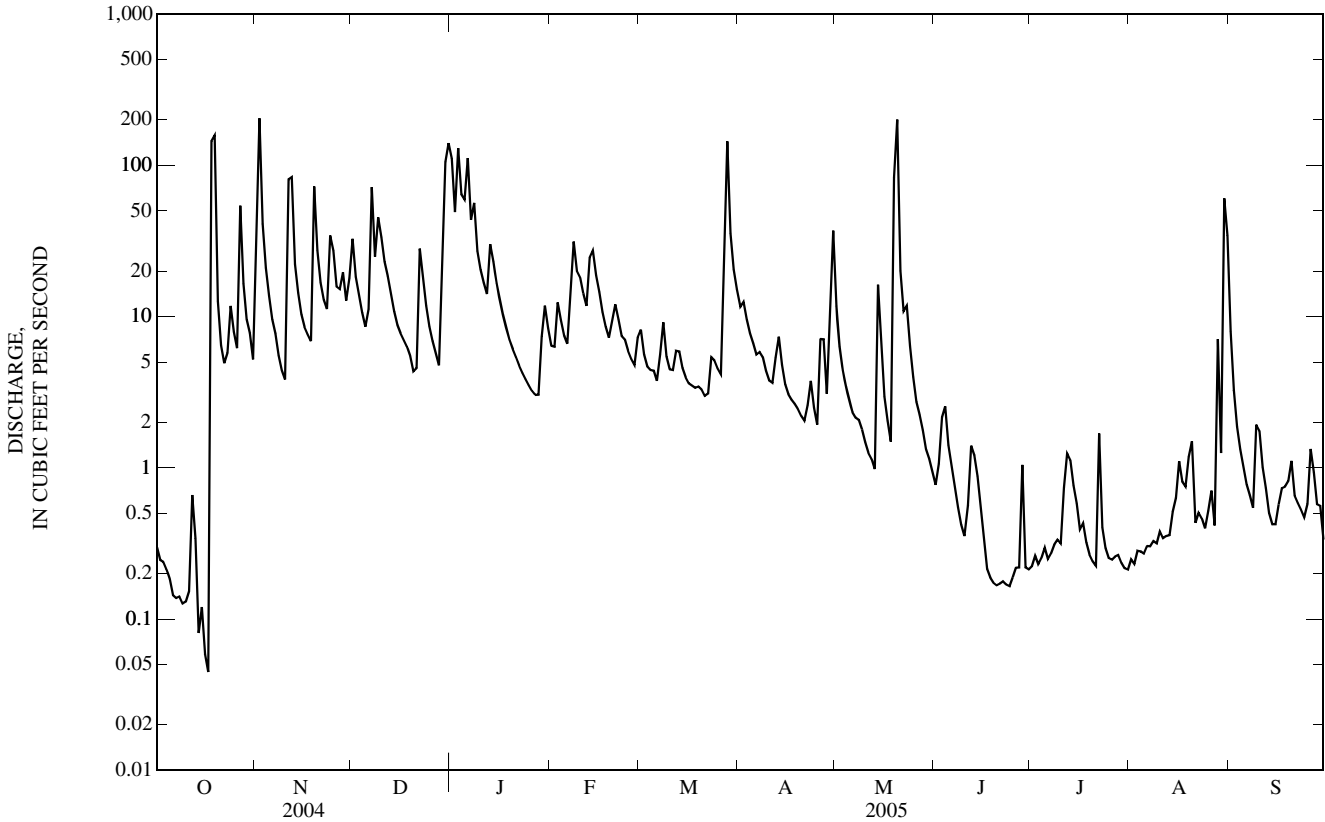
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	5.21	9.71	13.1	15.8	14.2	13.1	13.1	14.9	5.65	1.61	2.80	3.64
MAX	14.7	28.2	23.6	28.3	24.7	30.6	35.9	28.9	14.9	5.22	8.60	14.1
(WY)	(2005)	(2005)	(2005)	(2005)	(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	0.65	0.30	0.34	0.52
(WY)	(2000)	(2000)	(2000)	(2001)	(2002)	(2003)	(2001)	(2000)	(2005)	(2002)	(1999)	(2004)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	5,281.22		4,402.96		9.39	
ANNUAL MEAN	14.4		12.1		3.69	
HIGHEST ANNUAL MEAN					13.7	2002
LOWEST ANNUAL MEAN					3.69	2001
HIGHEST DAILY MEAN	204	Nov 2	204	Nov 2	353	Feb 18, 2000
LOWEST DAILY MEAN	0.04	Oct 17	0.04	Oct 17	0.04	Oct 17, 2004
ANNUAL SEVEN-DAY MINIMUM	0.14	Oct 5	0.14	Oct 5	0.14	Oct 5, 2004
MAXIMUM PEAK FLOW			1,060	Oct 18	1,540	Jun 28, 1999
MAXIMUM PEAK STAGE			6.19	Oct 18	8.22	Jun 28, 1999
10 PERCENT EXCEEDS	34		27		21	
50 PERCENT EXCEEDS	5.5		4.0		2.5	
90 PERCENT EXCEEDS	0.52		0.25		0.42	

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 and crest-stage gage. 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 Shepherdsville 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	1,030	5,980	12,000	2,120	1,690	4,160	3,760	228	75	45	1,230
2	65	e4,240	4,620	8,320	2,230	1,840	e4,720	2,420	229	69	43	553
3	65	e9,070	4,180	7,310	1,460	1,880	e5,520	3,450	255	66	41	325
4	64	e5,680	3,710	13,300	1,390	1,780	e4,090	3,250	272	66	38	221
5	65	e3,500	3,340	9,390	1,300	1,720	3,370	2,440	265	68	37	164
6	65	e2,410	3,070	13,500	1,210	1,630	3,290	1,540	230	65	36	134
7	67	e1,640	6,220	11,000	1,310	1,190	3,250	903	199	65	36	96
8	68	e1,100	6,380	9,980	4,130	1,710	3,470	724	173	63	38	93
9	68	e890	4,950	e9,100	3,230	1,620	3,190	650	153	62	45	90
10	67	e757	6,700	e7,100	2,880	2,060	1,830	594	167	61	39	106
11	68	e743	4,670	e6,100	2,580	2,150	1,330	561	283	62	38	89
12	79	e9,830	4,110	e5,860	2,310	2,170	1,240	499	244	78	36	65
13	103	e6,000	3,650	e6,940	2,660	2,140	1,460	411	220	106	36	50
14	126	e4,010	3,260	e12,300	4,520	1,740	1,340	474	184	150	37	58
15	142	e3,260	2,920	e7,190	4,280	1,140	1,480	912	180	118	37	65
16	146	e2,880	1,330	e5,800	3,740	940	1,390	658	185	127	43	66
17	129	e2,700	1,050	e5,180	3,140	862	815	474	149	122	69	59
18	189	e2,570	999	e4,810	2,770	809	665	372	124	124	125	66
19	e1,550	e3,030	910	e4,550	2,220	760	641	456	115	111	84	65
20	3,110	e3,490	770	e4,300	1,820	890	627	15,600	106	116	70	70
21	2,470	e3,590	704	e4,200	1,710	803	620	10,200	99	179	61	97
22	2,300	e2,940	1,050	e4,120	1,810	730	609	3,510	95	153	67	89
23	2,100	e2,320	5,030	3,140	2,160	858	857	3,220	95	181	63	70
24	2,440	e2,690	2,890	2,980	2,110	1,100	1,240	2,830	92	123	53	68
25	2,740	e4,260	3,440	3,050	1,740	1,010	1,060	2,070	89	91	47	69
26	2,380	e2,970	3,160	3,090	1,600	947	1,360	985	85	74	52	74
27	3,950	e2,300	2,840	3,870	1,370	2,280	1,980	600	80	64	58	82
28	3,820	e2,650	2,680	3,670	1,110	17,700	1,400	456	76	56	177	81
29	2,890	e2,300	3,030	3,320	---	14,500	1,360	372	76	53	345	77
30	2,430	e2,880	6,320	2,790	---	5,570	5,060	326	74	50	1,220	77
31	1,120	---	13,200	2,760	---	4,390	---	275	---	48	2,920	---
TOTAL	34,941	97,730	117,163	201,020	64,910	80,609	63,424	64,992	4,822	2,846	6,036	4,449
MEAN	1,127	3,258	3,779	6,485	2,318	2,600	2,114	2,097	161	91.8	195	148
MAX	3,950	9,830	13,200	13,500	4,520	17,700	5,520	15,600	283	181	2,920	1,230
MIN	64	743	704	2,760	1,110	730	609	275	74	48	36	50

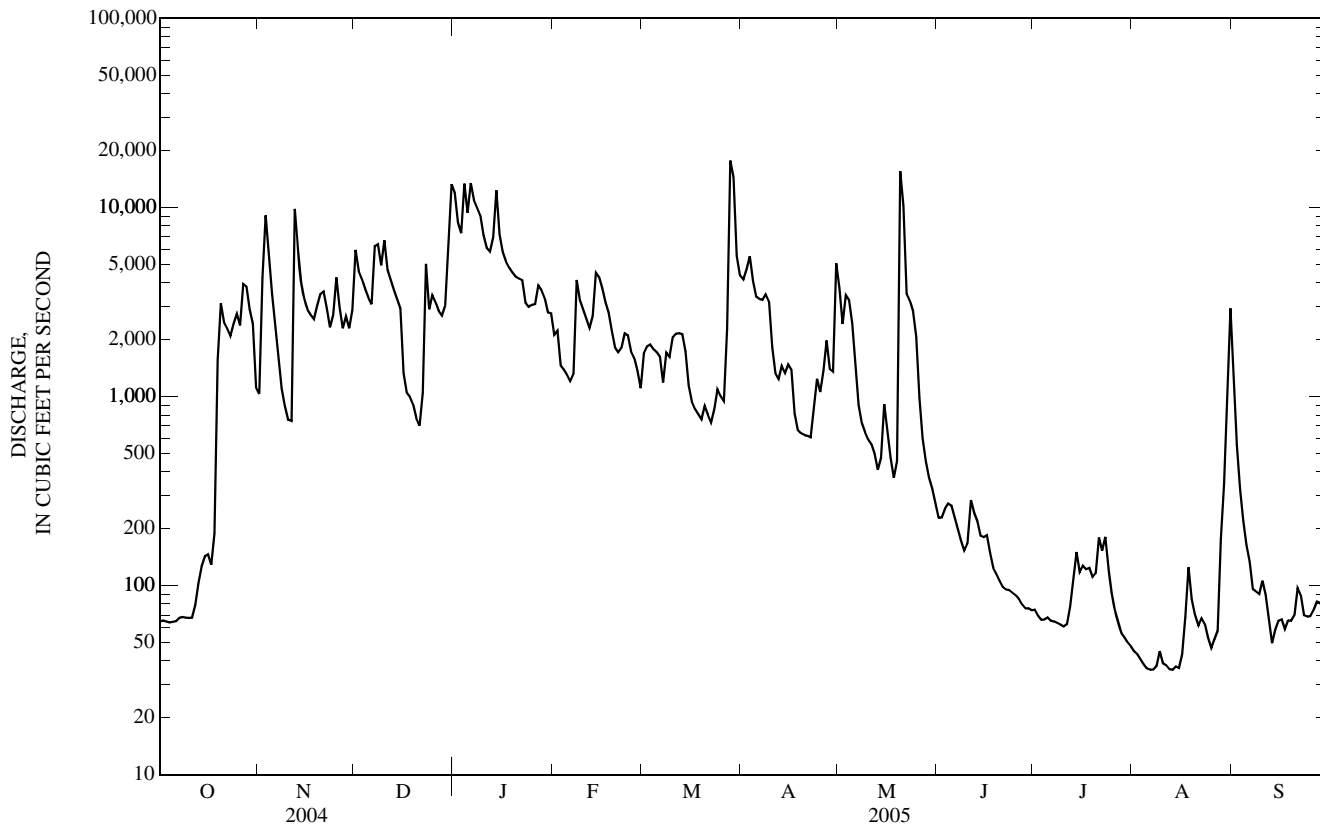
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2005, BY WATER YEAR (WY)

MEAN	365	1,163	2,172	2,718	3,560	3,190	2,118	2,078	1,462	550	312	342
MAX	1,698	3,258	6,329	6,485	12,370	11,410	3,683	5,768	5,192	1,976	1,052	2,949
(WY)	(2003)	(2005)	(1991)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1984 - 2005	
ANNUAL TOTAL	879,720		742,942		1,659	
ANNUAL MEAN	2,404		2,035		772	
HIGHEST ANNUAL MEAN					2,809 1997	
LOWEST ANNUAL MEAN					772 2001	
HIGHEST DAILY MEAN	15,900	May 31	17,700	Mar 28	65,600	Mar 2, 1997
LOWEST DAILY MEAN	64	Oct 4	36	Aug 6	7.7	Jul 1, 1988
ANNUAL SEVEN-DAY MINIMUM	65	Oct 1	38	Aug 10	9.3	Jun 26, 1988
MAXIMUM PEAK FLOW			21,200	Mar 28	78,200	Mar 10, 1964
MAXIMUM PEAK STAGE			20.34	Jan 14	41.50	Mar 11, 1964
INSTANTANEOUS LOW FLOW					73	Sep 29, 2004
10 PERCENT EXCEEDS	5,130		4,870		4,140	
50 PERCENT EXCEEDS	1,820		1,050		562	
90 PERCENT EXCEEDS	139		65		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)
Mar 28	0000	993	6.64	May 19	2300	*1,290	*7.58

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	6.1	54	95	6.1	21	12	21	0.67	0.40	0.02	1.8
2	0.87	52	13	43	4.9	9.9	31	10	1.3	0.44	0.08	0.34
3	0.93	13	8.7	58	7.3	7.4	22	5.6	1.5	0.44	0.25	0.20
4	0.65	3.6	4.2	73	6.4	6.4	12	4.0	1.3	0.44	0.06	0.16
5	0.26	1.8	3.3	60	5.0	5.5	9.6	3.1	0.63	0.28	0.03	0.19
6	0.17	1.2	7.0	120	5.2	5.3	9.3	3.5	0.43	0.47	0.06	0.22
7	0.27	0.82	115	62	3.9	4.5	9.4	3.1	0.35	1.2	0.05	0.27
8	0.33	0.58	24	98	35	14	19	2.4	0.31	1.6	0.03	0.31
9	0.39	0.31	54	32	16	8.2	9.9	1.4	0.30	1.3	0.02	0.33
10	0.40	0.37	37	18	11	6.6	8.7	1.3	0.30	0.17	0.02	0.29
11	0.34	83	22	13	8.7	6.1	8.6	1.3	0.37	0.73	0.02	0.19
12	0.51	55	17	11	7.7	8.2	9.4	1.0	0.37	1.2	0.02	0.19
13	0.88	8.7	11	39	60	10	37	0.96	0.37	1.3	0.02	0.21
14	1.3	4.1	7.4	36	51	7.0	22	2.0	0.37	1.2	0.03	0.31
15	1.7	2.2	3.2	15	26	5.5	13	1.6	0.36	1.4	0.03	0.31
16	1.1	2.0	3.7	12	14	4.9	7.4	1.2	0.33	1.9	0.11	0.33
17	0.62	2.1	3.7	7.8	9.4	4.4	5.2	0.96	0.24	1.5	0.22	0.33
18	1.8	0.54	3.2	6.1	7.5	3.1	4.3	1.1	0.27	1.4	0.17	0.34
19	4.1	60	2.7	5.2	5.6	4.0	3.6	67	0.26	0.92	0.15	0.37
20	1.7	14	2.6	5.1	7.7	6.2	4.7	104	0.26	0.22	0.56	0.27
21	2.1	6.5	3.4	4.4	28	4.7	3.7	11	0.26	0.18	0.29	0.24
22	0.79	3.7	10	3.8	22	4.3	5.4	6.7	0.27	0.41	0.24	0.13
23	1.8	3.7	e12	2.8	11	10	13	5.2	0.21	0.17	0.02	0.14
24	2.7	28	e15	2.5	9.5	11	6.1	2.9	0.15	0.16	0.03	0.13
25	2.8	15	13	1.9	7.9	9.4	2.9	3.4	0.27	0.16	0.09	0.15
26	1.7	7.5	8.7	1.7	6.0	6.9	8.6	2.5	0.28	0.18	0.04	0.22
27	21	6.2	6.0	0.89	5.4	152	16	1.9	0.30	0.18	0.05	0.19
28	2.7	14	2.8	0.45	24	251	6.2	1.1	0.41	0.20	5.7	0.20
29	0.45	7.6	41	5.4	---	49	45	0.66	0.29	0.16	1.5	0.21
30	0.94	33	159	20	---	24	112	0.47	0.25	0.03	110	0.19
31	2.1	---	139	9.8	---	14	---	0.46	---	0.02	35	---
TOTAL	59.00	436.62	806.6	862.84	412.2	684.5	477.0	272.81	12.98	20.36	154.91	8.76
MEAN	1.90	14.6	26.0	27.8	14.7	22.1	15.9	8.80	0.43	0.66	5.00	0.29
MAX	21	83	159	120	60	251	112	104	1.5	1.9	110	1.8
MIN	0.17	0.31	2.6	0.45	3.9	3.1	2.9	0.46	0.15	0.02	0.02	0.13

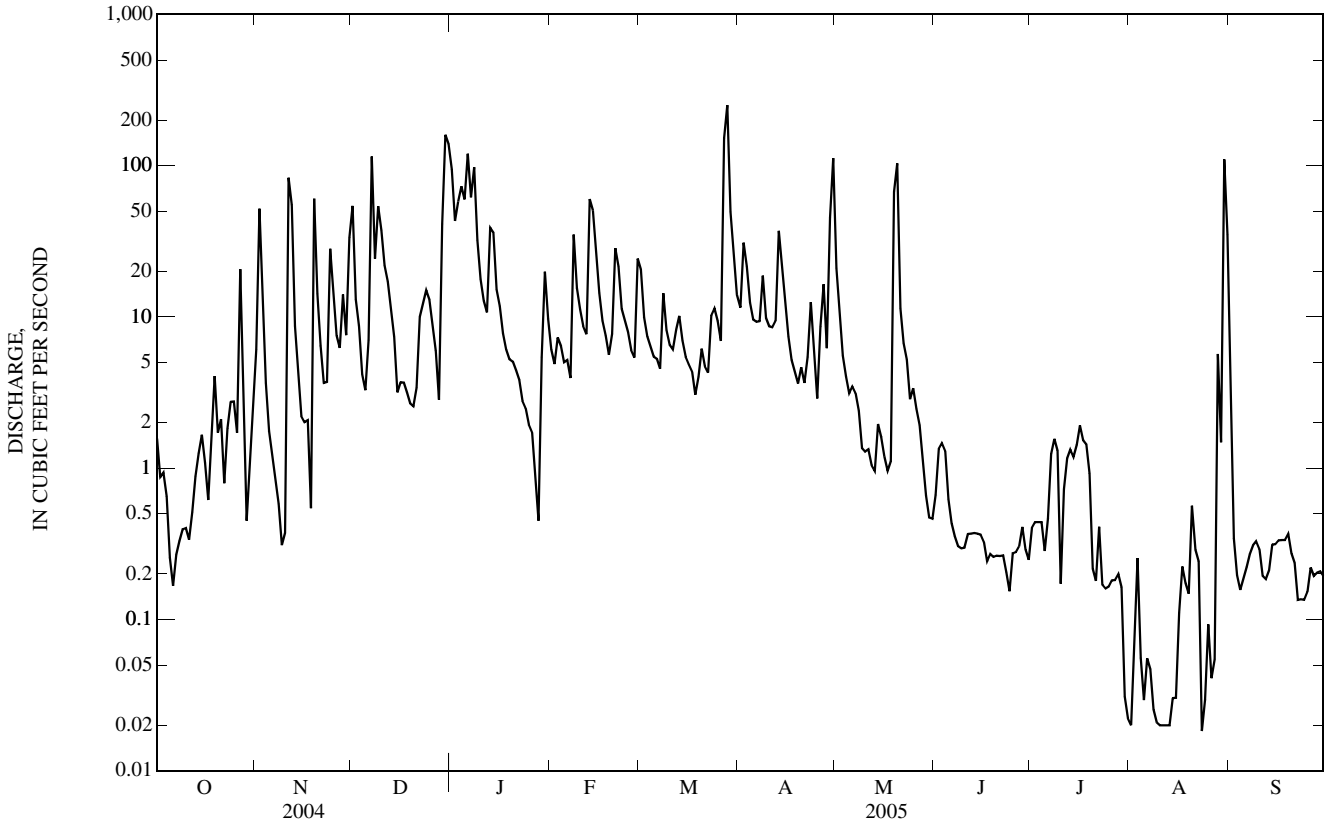
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	2.12	5.38	10.1	17.1	18.1	27.2	19.1	17.7	8.40	1.32	1.78	1.90
MAX	7.37	14.6	26.0	29.2	37.1	101	42.2	47.2	35.0	4.59	9.21	11.9
(WY)	(2003)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1992 - 2005	
ANNUAL TOTAL	4,723.78		4,208.58		11.0	
ANNUAL MEAN	12.9		11.5		19.1	
HIGHEST ANNUAL MEAN					1997	
LOWEST ANNUAL MEAN					3.59	
HIGHEST DAILY MEAN	173	May 31	251	Mar 28	680	Mar 1, 1997
LOWEST DAILY MEAN	0.17	Oct 6	0.02	Jul 31	0.00	Nov 13, 2001
ANNUAL SEVEN-DAY MINIMUM	0.31	Oct 5	0.02	Aug 8	0.01	Aug 20, 1999
MAXIMUM PEAK FLOW			1,290		2,820	May 6, 2002
MAXIMUM PEAK STAGE			7.58		11.44	May 6, 2002
INSTANTANEOUS LOW FLOW					0.01	Sep 26, 2003
10 PERCENT EXCEEDS	36		31		24	
50 PERCENT EXCEEDS	3.7		2.8		1.6	
90 PERCENT EXCEEDS	0.68		0.18		0.12	

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)
Dec 1	1245	10,600	17.53	Jan 8	1530	9080	16.75
Dec 7	2315	10,200	17.33	Mar 28	1715	*12,000	*18.20
Dec 23	1730	11,100	17.78				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	1,230	9,090	890	551	1,040	574	2,930	71	18	e18	881
2	16	3,430	4,020	1,010	435	712	2,050	900	64	31	e15	349
3	15	3,630	1,190	1,060	411	505	2,160	549	63	38	e12	185
4	13	3,050	743	1,430	447	448	1,070	416	75	27	e8.9	107
5	11	3,880	551	2,350	414	421	716	342	71	26	e6.7	67
6	e10	1,110	774	3,940	374	390	563	295	65	22	e4.8	44
7	e9.4	611	5,900	3,650	351	364	545	260	58	20	e3.6	30
8	e8.0	439	5,390	7,270	394	2,880	684	233	52	19	e2.9	22
9	e5.9	336	1,410	3,710	503	2,160	603	207	55	19	e2.2	16
10	e3.9	273	1,460	1,330	497	856	458	187	41	18	e1.6	12
11	2.7	341	1,380	902	493	633	375	169	65	18	e1.3	8.8
12	4.4	3,970	1,230	726	469	551	348	151	368	18	e1.0	7.3
13	8.8	1,760	875	866	729	517	498	134	176	18	e0.71	6.5
14	36	726	635	2,870	2,480	447	579	130	120	18	e0.54	5.5
15	78	470	494	1,480	1,640	392	441	531	111	20	e0.41	4.2
16	101	371	420	875	997	360	356	398	89	20	e0.31	3.0
17	75	315	379	670	711	338	310	243	97	26	e0.19	2.8
18	62	280	338	525	560	318	280	168	69	28	0.28	2.4
19	2,350	337	307	467	472	301	259	155	47	31	0.31	1.9
20	e1,050	577	274	425	438	292	239	4,470	37	46	0.31	1.6
21	e450	415	241	388	858	279	221	1,590	32	37	0.33	1.5
22	e250	327	819	352	1,300	257	209	523	29	34	0.35	1.5
23	202	289	9,160	e285	793	256	222	371	26	43	0.35	1.4
24	e226	598	5,090	e239	600	293	224	319	25	38	0.41	1.2
25	e310	1,400	1,080	241	519	298	212	252	23	50	0.79	1.0
26	354	1,050	672	242	451	261	199	190	22	37	1.6	0.99
27	1,650	624	e517	238	398	1,080	322	154	21	32	2.7	0.93
28	2,560	571	e442	211	437	9,540	341	130	20	31	7.2	0.86
29	875	597	488	247	---	4,180	406	112	19	26	33	0.86
30	507	1,250	902	1,070	---	1,170	5,280	96	18	22	244	0.83
31	409	---	663	950	---	749	---	82	---	20	1,920	---
TOTAL	11,672.1	34,257	56,934	40,909	18,722	32,288	20,744	16,687	2,029	851	2,291.79	1,768.07
MEAN	377	1,142	1,837	1,320	669	1,042	691	538	67.6	27.5	73.9	58.9
MAX	2,560	3,970	9,160	7,270	2,480	9,540	5,280	4,470	368	50	1,920	881
MIN	2.7	273	241	211	351	256	199	82	18	18	0.19	0.83
CFSM	0.86	2.62	4.21	3.03	1.53	2.39	1.59	1.23	0.16	0.06	0.17	0.14
IN.	1.00	2.92	4.86	3.49	1.60	2.75	1.77	1.42	0.17	0.07	0.20	0.15

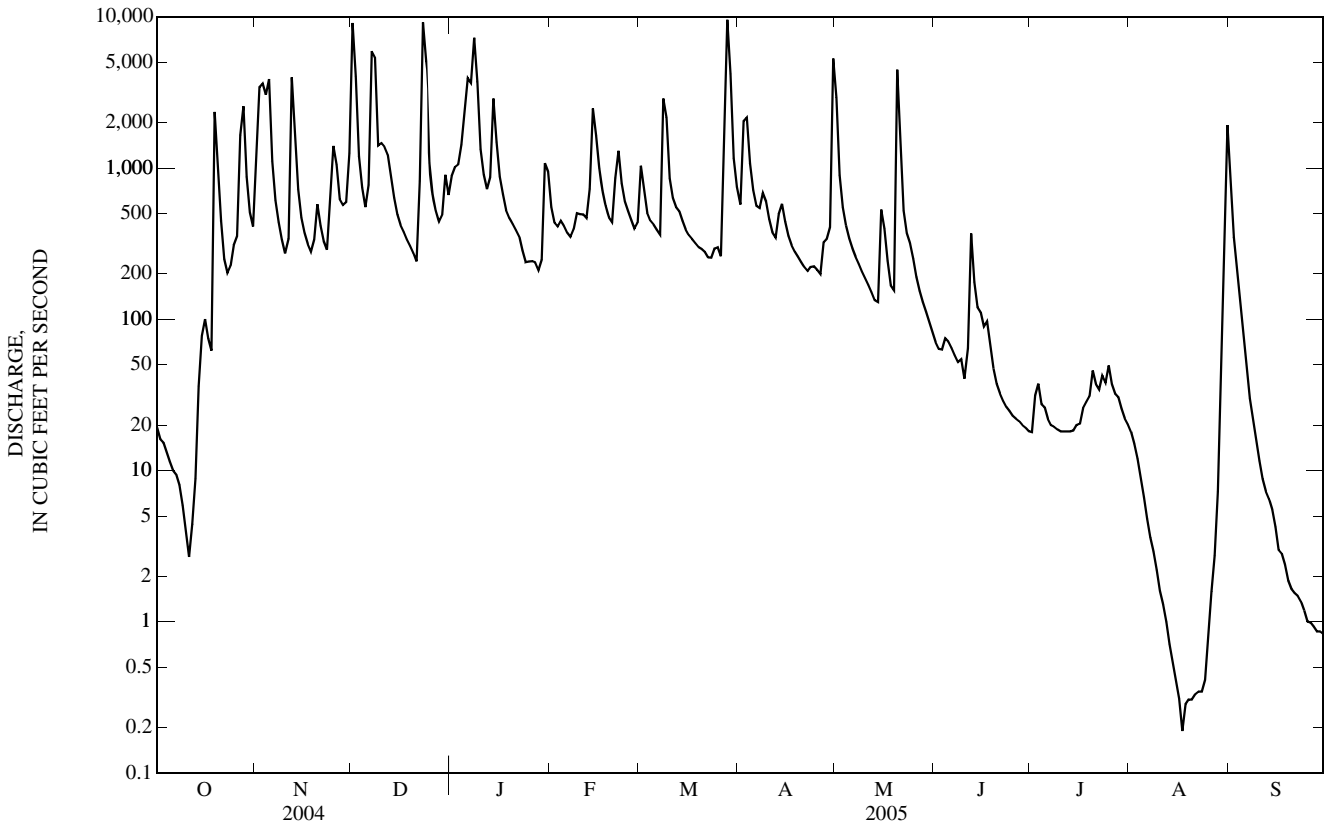
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

MEAN	180	536	1,022	951	1,171	1,214	744	740	484	193	173	250
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1973 - 2005	
ANNUAL TOTAL	325,801.1		239,152.96		636	
ANNUAL MEAN	890		655		1,243	
HIGHEST ANNUAL MEAN					1979	
LOWEST ANNUAL MEAN					256	
HIGHEST DAILY MEAN	12,500	May 31	9,540	Mar 28	39,800	Mar 2, 1997
LOWEST DAILY MEAN	2.7	Oct 11	0.19	Aug 17	0.00	Oct 8, 1983
ANNUAL SEVEN-DAY MINIMUM	6.2	Oct 7	0.30	Aug 16	0.00	Oct 23, 1987
MAXIMUM PEAK FLOW			12,000	Mar 28	41,500	Mar 2, 1997
MAXIMUM PEAK STAGE			18.20	Mar 28	27.60	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.04		1.50		1.46	
ANNUAL RUNOFF (INCHES)	27.80		20.40		19.80	
10 PERCENT EXCEEDS	2,490		1,440		1,380	
50 PERCENT EXCEEDS	315		292		172	
90 PERCENT EXCEEDS	37		3.4		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 and crest-stage gage. 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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e29	e1,880	10,200	1,230	901	1,370	1,040	4,640	91	12	14	1,510
2	e28	e5,250	5,970	1,910	665	1,220	2,640	1,810	80	12	11	587
3	e27	e5,550	2,590	1,890	625	837	3,640	896	74	14	8.4	314
4	e26	3,420	1,260	2,520	622	711	1,990	658	77	17	6.3	e178
5	e25	5,020	853	3,760	610	625	1,190	544	78	26	12	103
6	e22	2,290	1,440	6,200	556	567	894	462	72	26	9.9	73
7	e18	923	8,540	6,240	518	646	810	395	62	21	6.2	e56
8	e14	618	7,530	9,960	615	4,140	1,760	349	67	19	11	48
9	e11	476	3,190	6,070	744	3,750	959	312	118	16	10	45
10	e8.0	392	2,580	2,850	768	1,590	793	280	93	14	12	40
11	e4.1	559	2,480	1,680	742	1,030	576	251	73	13	6.8	35
12	e6.8	5,300	2,080	1,230	700	869	574	185	162	e12	3.9	29
13	e14	3,270	1,510	e1,330	1,310	772	751	190	296	15	1.6	26
14	e72	1,340	1,030	e4,400	3,600	683	854	227	180	31	1.3	19
15	e138	727	e758	3,020	3,010	600	697	e475	153	e37	4.1	15
16	110	543	e644	1,640	1,810	552	568	644	127	35	2.2	14
17	104	455	590	1,140	1,200	520	497	401	87	31	3.7	15
18	98	401	529	842	920	491	444	277	82	28	3.8	15
19	948	449	491	717	765	465	399	251	67	30	4.0	17
20	2,550	672	e420	660	725	454	367	4,030	52	32	4.2	15
21	691	608	e370	600	1,300	428	310	3,200	46	35	4.2	14
22	400	470	e1,260	538	1,910	400	318	847	47	36	4.3	11
23	290	426	e14,100	463	1,360	450	377	554	42	38	5.0	9.7
24	312	918	e7,810	379	975	450	344	449	28	35	2.8	9.1
25	444	1,980	e1,760	404	781	467	315	360	25	32	1.9	8.6
26	479	1,710	e1,030	410	711	422	299	287	22	31	2.0	11
27	1,330	1,000	e810	378	635	1,600	382	223	19	25	2.7	12
28	3,560	921	e694	328	756	13,500	489	173	17	23	47	8.6
29	e1,320	824	e749	445	---	6,980	656	137	14	20	43	8.1
30	e761	1,700	1,830	1,160	---	2,720	6,790	116	13	19	600	7.9
31	e614	---	1,410	1,650	---	1,380	---	102	---	16	2,190	---
TOTAL	14,453.9	50,092	86,508	66,044	29,834	50,689	31,723	23,725	2,364	751	3,039.3	3,254.0
MEAN	466	1,670	2,791	2,130	1,066	1,635	1,057	765	78.8	24.2	98.0	108
MAX	3,560	5,550	14,100	9,960	3,600	13,500	6,790	4,640	296	38	2,190	1,510
MIN	4.1	392	370	328	518	400	299	102	13	12	1.3	7.9

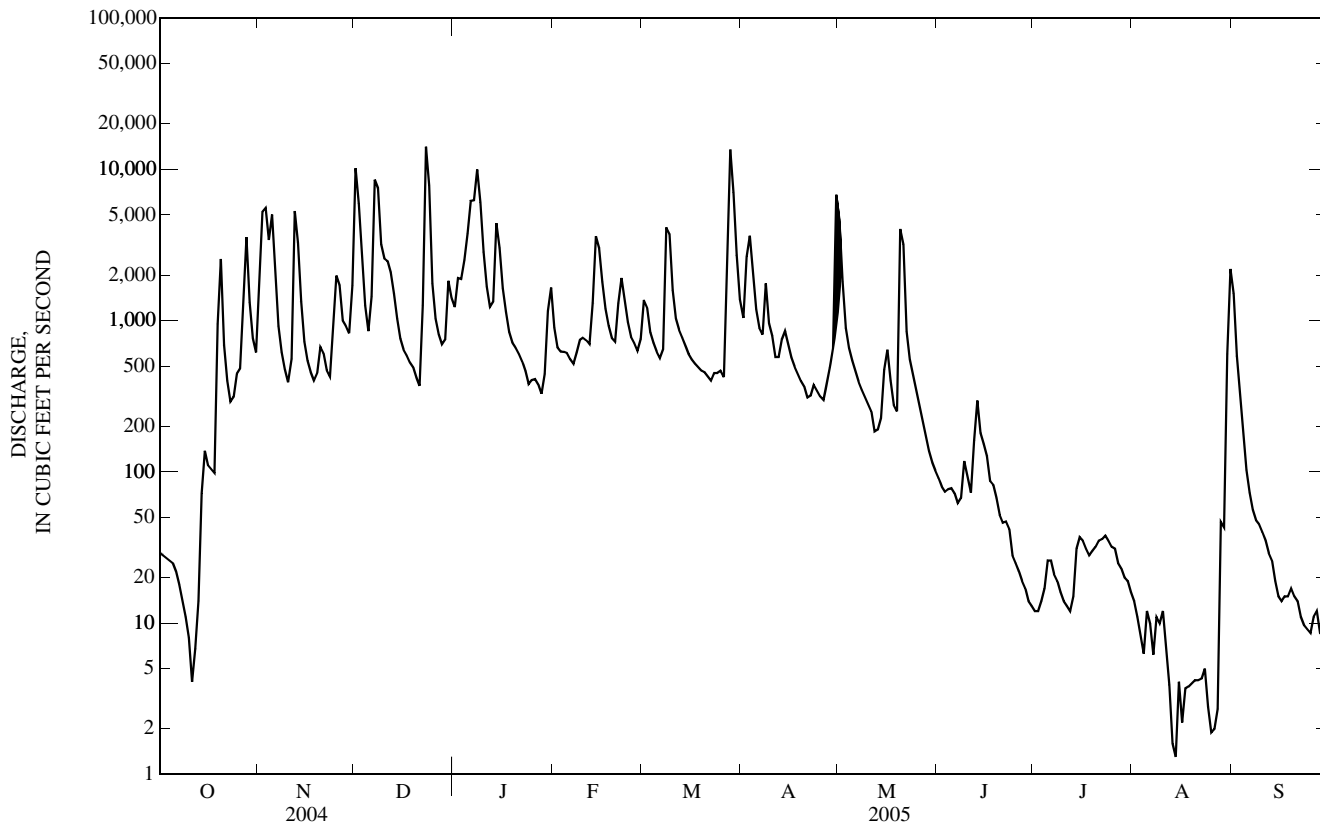
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	144	604	1,166	1,622	1,821	1,949	1,360	972	581	449	216	217
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	487,734.9		362,477.2		933	
ANNUAL MEAN	1,333		993		1,733	
HIGHEST ANNUAL MEAN					245	1941
LOWEST ANNUAL MEAN					32,200	Mar 5, 1964
HIGHEST DAILY MEAN	17,000	May 31	14,100	Dec 23	33,900	Mar 5, 1964
LOWEST DAILY MEAN	4.1	Oct 11	1.3	Aug 14	0.00	Sep 29, 1948
ANNUAL SEVEN-DAY MINIMUM	11	Oct 7	2.9	Aug 12	0.03	Sep 28, 1948
MAXIMUM PEAK FLOW			15,000		33,900	Mar 5, 1964
MAXIMUM PEAK STAGE			27.34		43.50	Mar 5, 1964
10 PERCENT EXCEEDS	3,580		2,580		2,160	
50 PERCENT EXCEEDS	494		449		219	
90 PERCENT EXCEEDS	101		12		6.2	

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 and crest-stage gage. 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 9	1845	16,500	35.79	Mar 29	1645	*16,800	*36.07

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	1,320	9,080	2,980	1,990	2,190	2,960	9,930	200	40	e50	2,950
2	94	4,340	13,700	2,960	1,520	2,450	4,320	7,550	188	33	e45	1,360
3	87	6,450	11,200	3,080	1,390	1,870	7,520	2,580	177	27	e40	688
4	80	4,880	4,020	3,650	1,370	1,570	6,040	1,750	173	24	e37	398
5	73	6,240	2,230	5,790	1,340	1,470	3,880	1,340	172	24	e33	254
6	66	5,690	2,250	8,470	1,240	1,440	3,260	1,060	173	33	e29	182
7	62	2,130	7,260	11,800	1,150	1,410	2,870	886	159	41	e27	136
8	58	1,450	14,500	14,000	1,240	4,050	3,110	765	139	42	e26	108
9	54	e1,090	13,200	16,100	1,490	7,920	2,590	667	173	35	e25	90
10	52	e938	6,720	14,900	1,590	4,830	1,910	595	267	29	e23	76
11	47	967	5,010	6,700	1,500	2,500	1,500	527	236	32	e22	64
12	44	5,370	3,860	1,280	1,420	2,070	1,310	443	240	44	e21	54
13	54	6,230	3,030	714	1,720	1,800	1,600	405	412	45	e21	45
14	77	2,940	2,380	7,310	4,450	1,560	1,830	503	309	e62	e22	39
15	125	1,670	1,880	8,770	5,660	1,340	1,700	774	275	e97	e22	32
16	e158	1,240	1,530	4,510	3,850	1,190	1,360	916	257	e96	e21	27
17	e189	1,010	1,310	1,840	2,600	1,100	1,150	694	214	e100	e24	25
18	e245	870	1,170	516	2,030	1,020	998	527	166	e132	e28	22
19	321	934	1,060	230	1,700	953	887	422	169	e166	e25	23
20	2,710	1,130	934	638	1,520	911	796	3,650	142	e240	23	23
21	1,480	1,220	832	1,700	2,090	856	714	5,280	114	e420	21	23
22	781	971	4,770	2,160	3,670	811	658	2,030	97	e420	20	23
23	532	851	10,600	1,270	3,640	978	758	1,070	84	e270	20	22
24	453	1,230	14,100	937	2,380	1,140	699	781	72	e224	19	19
25	570	2,470	12,400	872	1,910	1,020	632	621	63	e205	19	18
26	835	2,870	3,930	867	1,630	968	584	508	57	e160	19	18
27	980	2,150	2,080	836	1,420	2,430	665	405	50	e108	19	17
28	3,290	1,850	1,680	745	1,450	12,300	835	333	44	e98	31	16
29	3,210	1,720	1,950	771	---	16,300	1,040	284	42	e91	98	16
30	1,550	1,760	3,910	1,540	---	13,400	6,170	247	41	e58	1,350	15
31	1,080	---	4,330	2,520	---	5,390	---	220	---	e58	4,230	---
TOTAL	19,460	73,981	166,906	130,456	58,960	99,237	64,346	47,763	4,905	3,454	6,410	6,783
MEAN	628	2,466	5,384	4,208	2,106	3,201	2,145	1,541	164	111	207	226
MAX	3,290	6,450	14,500	16,100	5,660	16,300	7,520	9,930	412	420	4,230	2,950
MIN	44	851	832	230	1,150	811	584	220	41	24	19	15
CFSM	0.48	1.90	4.14	3.24	1.62	2.46	1.65	1.19	0.13	0.09	0.16	0.17
IN.	0.56	2.12	4.78	3.74	1.69	2.84	1.84	1.37	0.14	0.10	0.18	0.19

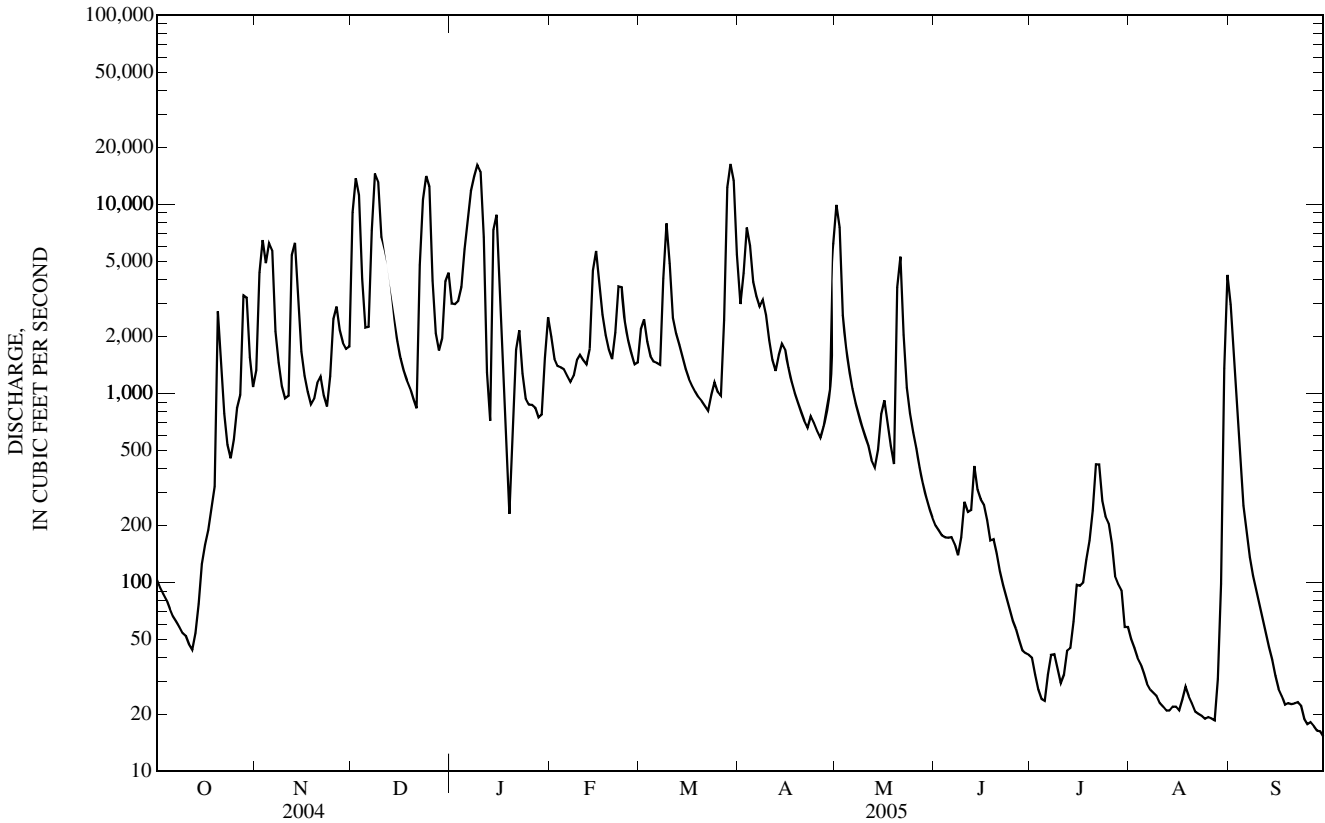
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	330	1,086	2,407	2,977	3,741	3,817	2,750	1,991	1,159	719	422	486
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	920,098		682,661		1,814	
ANNUAL MEAN	2,514		1,870		4,268	
HIGHEST ANNUAL MEAN					473 1941	
LOWEST ANNUAL MEAN					68,400 Mar 4, 1997	
HIGHEST DAILY MEAN	22,400	May 29	16,300	Mar 29		
LOWEST DAILY MEAN	44	Oct 12	15	Sep 30	0.40 Oct 20, 1939	
ANNUAL SEVEN-DAY MINIMUM	53	Oct 7	17	Sep 24	0.40 Oct 3, 1953	
MAXIMUM PEAK FLOW			16,800	Mar 29	69,800 Mar 3, 1997	
MAXIMUM PEAK STAGE			36.07	Mar 29	53.22 Mar 3, 1997	
INSTANTANEOUS LOW FLOW					0.40 Oct 20, 1939	
ANNUAL RUNOFF (CFSM)	1.94		1.44		1.40	
ANNUAL RUNOFF (INCHES)	26.35		19.55		18.98	
10 PERCENT EXCEEDS	6,570		5,120		4,820	
50 PERCENT EXCEEDS	1,080		870		514	
90 PERCENT EXCEEDS	184		27		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 433.67 ft above NGVD of 1929.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	26	205	424	42	87	97	108	14	5.9	5.0	100
2	2.3	261	89	273	38	60	130	71	15	5.4	4.7	40
3	2.3	101	61	218	42	52	105	53	23	5.2	4.7	25
4	2.2	35	45	259	39	48	83	42	20	5.0	4.3	18
5	2.1	20	35	267	36	45	70	36	15	5.1	4.6	15
6	2.0	14	44	457	34	38	60	31	13	5.3	4.5	13
7	2.1	11	290	273	40	39	60	27	12	5.3	4.4	11
8	2.2	7.6	125	433	102	61	61	24	11	7.1	4.5	11
9	2.3	5.9	224	195	78	44	51	22	11	6.6	4.3	9.5
10	2.3	5.4	186	132	67	40	44	20	10	5.1	4.3	8.7
11	2.4	226	122	103	56	40	40	18	11	8.6	3.9	8.0
12	2.7	333	90	85	51	41	45	17	21	50	4.4	7.6
13	4.3	90	68	147	135	37	96	15	18	25	4.2	7.1
14	4.0	50	49	201	187	32	64	27	16	25	4.3	6.9
15	3.8	34	40	116	128	29	52	38	22	17	6.1	6.3
16	3.6	27	36	91	96	28	45	20	14	31	7.2	6.0
17	3.4	22	32	71	73	27	39	17	11	20	6.7	7.4
18	7.1	20	28	57	59	26	35	15	10	18	6.5	6.7
19	20	157	24	53	50	26	32	57	9.1	12	11	6.2
20	6.6	84	23	48	65	24	28	609	8.6	11	7.0	7.0
21	4.0	51	21	42	109	23	26	139	8.0	10	11	6.7
22	3.3	37	64	37	77	24	27	74	8.3	39	6.8	6.1
23	4.7	32	e85	30	63	53	29	51	8.1	21	5.1	6.0
24	17	113	e55	28	59	51	23	37	7.1	13	4.6	5.7
25	6.1	87	e40	26	50	42	21	29	6.9	11	4.4	6.2
26	4.1	53	e32	26	44	38	28	25	6.0	9.2	8.4	11
27	37	42	e28	22	40	434	40	21	6.1	8.4	11	9.6
28	12	54	e26	20	75	1,640	26	19	8.5	6.8	8.2	7.0
29	6.7	39	78	33	---	452	79	17	6.5	6.3	31	7.0
30	4.8	80	384	68	---	218	305	15	6.4	6.3	551	6.4
31	4.5	---	571	50	---	143	---	14	---	5.2	302	---
TOTAL	184.0	2,117.9	3,200	4,285	1,935	3,942	1,841	1,708	356.6	409.8	1,050.1	392.1
MEAN	5.94	70.6	103	138	69.1	127	61.4	55.1	11.9	13.2	33.9	13.1
MAX	37	333	571	457	187	1,640	305	609	23	50	551	100
MIN	2.0	5.4	21	20	34	23	21	14	6.0	5.0	3.9	5.7

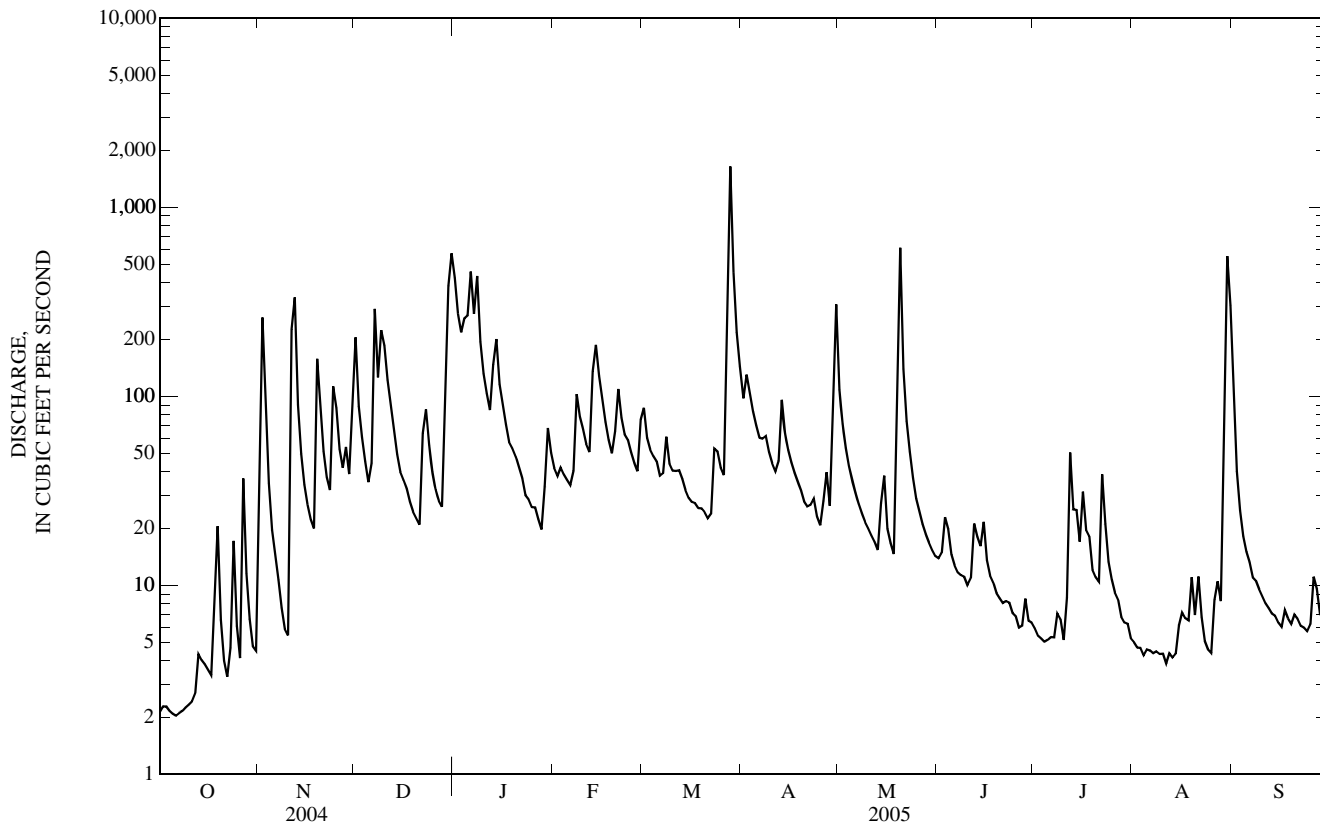
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	22.9	48.6	80.6	88.4	99.5	106	94.9	111	26.3	16.1	15.5	25.2
MAX	65.5	90.6	136	138	189	280	207	226	62.0	28.7	33.9	66.7
(WY)	(2003)	(2002)	(2003)	(2005)	(2003)	(2002)	(2002)	(2002)	(2003)	(2004)	(2005)	(2003)
MIN	5.94	4.67	26.4	21.1	50.2	54.6	29.4	16.2	9.16	4.56	3.28	2.95
(WY)	(2005)	(2000)	(1999)	(2001)	(2002)	(2003)	(2001)	(2001)	(2001)	(1999)	(1999)	(2004)

03301700 MILL CREEK NEAR FORT KNOX, KY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	25,352.2		21,421.5		61.1	
ANNUAL MEAN	69.3		58.7		31.6	
HIGHEST ANNUAL MEAN					99.9	2002
LOWEST ANNUAL MEAN					31.6	2001
HIGHEST DAILY MEAN	1,100	May 27	1,640	Mar 28	2,730	Mar 26, 2002
LOWEST DAILY MEAN	2.0	Oct 6	2.0	Oct 6	2.0	Oct 6, 2004
ANNUAL SEVEN-DAY MINIMUM	2.2	Sep 30	2.2	Oct 1	2.2	Sep 30, 2004
MAXIMUM PEAK FLOW			4,720	Mar 28	9,220	Mar 26, 2002
MAXIMUM PEAK STAGE			9.90	Mar 28	10.29	Jan 4, 2000
10 PERCENT EXCEEDS	170		126		131	
50 PERCENT EXCEEDS	30		26		20	
90 PERCENT EXCEEDS	2.8		4.7		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)
Oct 18	2055	568	3.44	May 19	2225	*581	*3.47

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

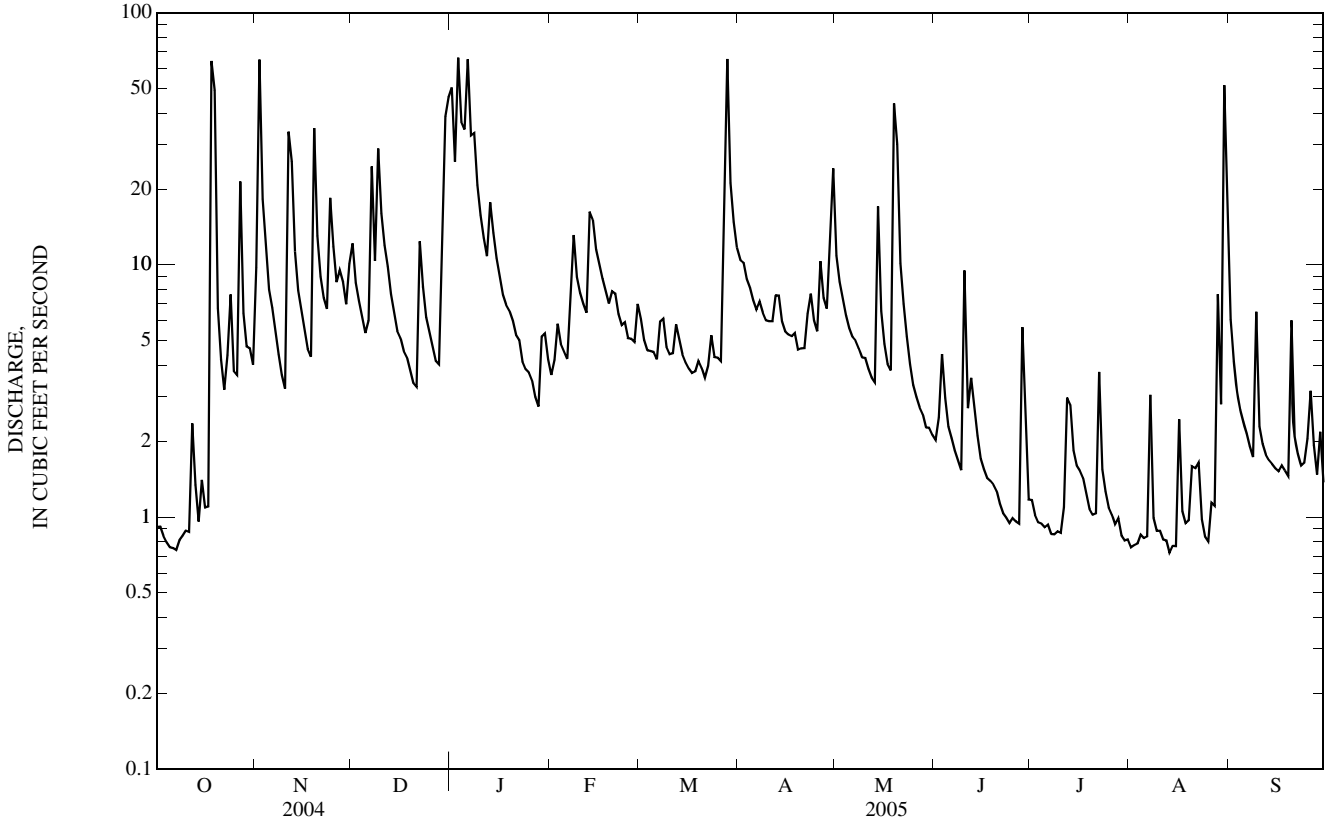
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.91	9.7	12	51	3.7	6.1	10	11	2.0	1.2	0.76	6.1
2	0.92	65	8.5	26	4.2	5.0	10	8.6	2.5	1.0	0.77	4.1
3	0.84	18	7.2	66	5.8	4.6	8.8	7.3	4.4	0.95	0.78	3.1
4	0.79	12	6.3	37	4.9	4.6	8.1	6.3	3.0	0.94	0.85	2.7
5	0.76	8.0	5.4	34	4.5	4.5	7.2	5.6	2.3	0.91	0.82	2.4
6	0.75	6.8	6.0	65	4.2	4.2	6.6	5.2	2.1	0.93	0.84	2.1
7	0.74	5.5	25	33	7.9	6.0	7.2	5.0	1.8	0.86	3.0	1.9
8	0.81	4.4	10	33	13	6.1	6.5	4.7	1.7	0.85	0.99	1.7
9	0.84	3.6	29	21	8.9	4.7	6.0	4.3	1.5	0.88	0.88	6.5
10	0.88	3.2	16	16	7.7	4.4	6.0	4.3	9.5	0.86	0.88	2.3
11	0.87	34	12	13	7.0	4.5	6.0	3.9	2.7	1.1	0.81	1.9
12	2.3	26	9.9	11	6.5	5.8	7.6	3.6	3.6	3.0	0.81	1.8
13	1.3	11	7.7	18	16	5.0	7.6	3.4	2.7	2.8	0.72	1.7
14	0.96	7.9	6.5	13	15	4.4	6.0	17	2.1	1.8	0.77	1.6
15	1.4	6.6	5.5	11	11	4.1	5.4	6.6	1.7	1.6	0.77	1.6
16	1.1	5.5	5.1	9.0	10	3.9	5.3	4.9	1.5	1.5	2.4	1.5
17	1.1	4.6	4.6	7.6	8.8	3.7	5.2	4.0	1.4	1.4	1.1	1.6
18	64	4.3	4.3	6.9	7.9	3.8	5.4	3.8	1.4	1.2	0.95	1.5
19	49	35	3.8	6.6	7.0	4.2	4.6	44	1.3	1.1	0.97	1.5
20	6.7	13	3.4	6.0	7.8	3.9	4.7	30	1.3	1.0	1.6	6.0
21	4.2	9.0	3.3	5.3	7.7	3.6	4.7	10	1.1	1.0	1.6	2.1
22	3.2	7.4	12	5.0	6.4	4.0	6.4	7.0	1.0	3.8	1.6	1.8
23	4.4	6.7	8.2	4.1	5.8	5.3	7.7	5.2	0.99	1.5	0.98	1.6
24	7.6	18	6.2	3.9	5.9	4.3	6.0	4.0	0.95	1.3	0.84	1.6
25	3.8	12	5.5	3.8	5.1	4.3	5.4	3.3	0.99	1.1	0.80	2.0
26	3.7	8.6	4.8	3.5	5.1	4.1	10	3.0	0.96	1.0	1.1	3.2
27	21	9.5	4.2	3.0	4.9	18	7.4	2.7	0.94	0.93	1.1	1.9
28	6.4	8.6	4.0	2.7	7.0	66	6.7	2.6	5.7	0.99	7.6	1.5
29	4.7	7.0	11	5.2	---	21	14	2.3	2.5	0.84	2.8	2.2
30	4.7	10	39	5.4	---	15	24	2.3	1.2	0.81	51	1.4
31	4.0	---	46	4.2	---	12	---	2.1	---	0.81	14	---
TOTAL	204.67	380.9	332.4	530.2	209.7	251.1	226.5	228.0	66.83	39.96	104.89	72.9
MEAN	6.60	12.7	10.7	17.1	7.49	8.10	7.55	7.35	2.23	1.29	3.38	2.43
MAX	64	65	46	66	16	66	24	44	9.5	3.8	51	6.5
MIN	0.74	3.2	3.3	2.7	3.7	3.6	4.6	2.1	0.94	0.81	0.72	1.4
CFSM	1.89	3.63	3.06	4.89	2.14	2.31	2.16	2.10	0.64	0.37	0.97	0.69
IN.	2.18	4.05	3.53	5.64	2.23	2.67	2.41	2.42	0.71	0.42	1.11	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	3.83	5.54	8.50	10.0	9.09	9.05	8.82	9.58	5.32	2.85	2.46	3.16
MAX	7.34	12.7	17.4	17.1	16.1	20.6	16.2	19.5	8.64	6.04	4.55	8.65
(WY)	(2002)	(2005)	(2003)	(2005)	(2003)	(2002)	(2002)	(2002)	(2004)	(2004)	(2003)	(2003)
MIN	1.18	1.74	3.37	1.48	4.92	3.26	2.32	2.31	1.77	1.29	0.75	0.80
(WY)	(1998)	(2000)	(1999)	(2001)	(2001)	(2001)	(2001)	(2000)	(2001)	(2005)	(1999)	(1999)

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	3,090.21		2,648.05		6.51	
ANNUAL MEAN	8.44		7.25		2.86	
HIGHEST ANNUAL MEAN					9.92	2002
LOWEST ANNUAL MEAN					2.86	2001
HIGHEST DAILY MEAN	71	May 27	66	Jan 3	163	Feb 18, 2000
LOWEST DAILY MEAN	0.74	Oct 7	0.72	Aug 13	0.40	Oct 6, 1997
ANNUAL SEVEN-DAY MINIMUM	0.79	Oct 3	0.79	Oct 3	0.61	Oct 3, 1997
MAXIMUM PEAK FLOW			581	May 19	933	Jun 28, 2000
MAXIMUM PEAK STAGE			3.47	May 19	4.16	Jun 28, 2000
ANNUAL RUNOFF (CFSM)	2.41		2.07		1.86	
ANNUAL RUNOFF (INCHES)	32.84		28.14		25.27	
10 PERCENT EXCEEDS	20		14		14	
50 PERCENT EXCEEDS	4.7		4.4		3.1	
90 PERCENT EXCEEDS	1.3		0.94		1.0	



SALT RIVER BASIN

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 447.50 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 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 18	2105	1,030	10.27	May 19	2225	*1,080	*10.59

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	34	46	129	12	13	22	20	3.9	2.6	1.7	14
2	1.1	211	30	68	12	12	22	14	5.0	2.3	1.7	6.7
3	1.1	65	24	181	19	13	17	11	11	2.2	2.0	4.6
4	1.1	45	19	89	16	10	15	9.8	9.4	2.2	1.7	3.8
5	0.97	32	16	86	14	9.6	13	8.4	5.3	2.5	1.5	2.7
6	0.92	25	18	168	13	8.9	12	7.4	4.6	2.4	1.5	2.5
7	0.93	20	73	76	22	10	12	6.9	4.2	2.3	1.6	2.2
8	0.90	14	38	90	45	11	11	6.5	3.9	2.3	2.6	2.0
9	0.96	11	82	56	30	9.2	9.5	5.8	3.7	2.3	2.2	5.2
10	1.0	9.7	53	46	26	11	8.9	5.6	14	2.4	2.0	2.4
11	2.7	90	41	39	21	6.6	8.5	5.3	7.2	2.6	1.9	1.8
12	8.7	102	33	33	18	10	11	5.1	8.2	5.2	1.7	1.5
13	5.1	43	26	47	39	11	12	4.8	7.0	8.0	1.6	1.4
14	2.8	29	19	46	43	10	8.8	32	4.9	4.8	1.6	1.3
15	2.6	22	17	33	32	9.8	7.7	11	4.1	3.9	1.7	1.2
16	1.9	17	16	28	25	8.8	7.1	7.6	3.7	3.8	3.4	1.1
17	1.5	15	15	23	19	8.4	6.8	6.2	3.5	3.7	3.1	1.0
18	205	15	13	19	16	7.8	6.7	5.7	3.4	3.2	2.7	0.95
19	239	91	11	18	14	5.7	6.4	110	3.2	2.8	2.6	0.87
20	29	45	9.5	17	15	7.5	6.0	204	3.1	2.5	2.2	7.1
21	15	31	9.4	15	17	7.8	6.0	30	3.0	2.4	2.2	1.6
22	12	23	35	14	14	12	7.3	18	2.9	10	3.1	1.2
23	12	20	72	14	13	14	11	13	3.1	4.2	3.2	0.99
24	24	57	20	14	13	11	8.1	9.3	3.1	3.2	2.2	0.81
25	12	45	19	12	12	6.3	7.2	7.4	3.2	2.8	2.0	0.90
26	10	30	15	12	11	5.5	16	6.4	3.2	2.5	1.9	2.1
27	81	28	13	9.9	11	34	13	5.6	4.5	2.3	1.8	1.3
28	25	32	12	9.2	14	167	9.1	5.0	5.9	2.2	75	1.0
29	16	22	26	13	---	54	26	4.7	5.7	2.0	20	1.3
30	15	27	113	15	---	39	57	4.4	3.0	1.9	220	0.99
31	12	---	136	13	---	29	---	4.3	---	1.8	70	---
TOTAL	742.38	1,250.7	1,069.9	1,433.1	556	572.9	384.1	595.2	150.9	99.3	442.4	76.51
MEAN	23.9	41.7	34.5	46.2	19.9	18.5	12.8	19.2	5.03	3.20	14.3	2.55
MAX	239	211	136	181	45	167	57	204	14	10	220	14
MIN	0.90	9.7	9.4	9.2	11	5.5	6.0	4.3	2.9	1.8	1.5	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	9.94	14.4	22.7	29.0	33.3	25.3	25.6	26.7	16.7	9.44	8.65	8.16
MAX	23.9	41.7	58.7	46.2	75.1	84.5	62.7	59.7	36.9	20.7	25.3	25.9
(WY)	(2005)	(2005)	(1991)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1975 - 2005	
ANNUAL TOTAL	8,767.80		7,373.39		19.0	
ANNUAL MEAN	24.0		20.2		8.31	
HIGHEST ANNUAL MEAN					28.6	1975
LOWEST ANNUAL MEAN					8.31	2001
HIGHEST DAILY MEAN	270	May 28	239	Oct 19	608	May 18, 1995
LOWEST DAILY MEAN	0.90	Oct 8	0.81	Sep 24	0.18	Aug 16, 1999
ANNUAL SEVEN-DAY MINIMUM	0.97	Oct 4	0.97	Oct 4	0.24	Aug 12, 1999
MAXIMUM PEAK FLOW			1,080	May 19	1,590	Jun 28, 1999
MAXIMUM PEAK STAGE			10.59	May 19	13.19	Jun 28, 1999
10 PERCENT EXCEEDS	54		45		42	
50 PERCENT EXCEEDS	13		9.8		9.0	
90 PERCENT EXCEEDS	2.0		1.7		2.3	

