



Water Resources Data Kentucky Water Year 1994



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT KY-94-1
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LICKING RIVER BASIN

03253500 LICKING RIVER AT CATAWBA, KY

LOCATION.--Lat 38°42'31", long 84°18'38", Pendleton County, Hydrologic Unit 05100101, on right bank 1 mi southeast of Catawba, 1.5 mi upstream from Kincaid Creek, 2.3 mi north of Falmouth, and at mile 48.0.

DRAINAGE AREA.--3,300 mi².

PERIOD OF RECORD.--January 1914 to July 1920 (January 1914 to July 1915 and October 1917 to July 1920, gage heights only), July 1928 to current year. Published as "at Falmouth" 1914-16. Gage-height records collected in this vicinity since 1887 are published in reports of the National Weather Service.

REVISED RECORDS.--WSP 853: 1937. WSP 1003: 1943. WSP 1385: 1942. WSP 1705: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 500.01 ft above sea level (levels by U.S. Army Corps of Engineers). Jan. 1, 1914 to July 31, 1916, nonrecording gage at site 3.8 mi upstream at datum 12.2 ft higher. July 14, 1916 to July 5, 1920, nonrecording gage at site 1.4 mi downstream at present datum.

REMARKS.--Estimated daily discharges: Dec. 29-31, Feb. 1-13. Records good except for periods of estimated record, which are fair. Flow regulated since December 1973 by Cave Run Lake (station 03248498). Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299	1370	4970	1700	8700	7370	9980	16100	668	238	779	290
2	297	1310	4290	1570	7100	7000	9260	10900	583	240	931	263
3	296	1300	3960	1810	6200	7720	8670	8460	520	242	697	244
4	297	1300	7790	3720	5600	9730	8010	7480	451	243	584	256
5	295	1290	17800	8620	5100	10800	7590	7080	386	235	1670	276
6	290	1210	18300	9210	4650	10100	7480	6820	334	1110	3460	250
7	291	846	12400	15700	4450	8380	11400	13200	296	190	2140	235
8	293	815	7200	25200	4250	8420	12800	22700	376	171	1180	223
9	286	812	6170	22000	27800	8930	9870	25700	533	158	800	216
10	271	803	5900	12800	33300	32200	12900	17700	1220	152	603	214
11	286	793	5910	6600	16000	41600	14900	8910	992	151	561	214
12	295	779	6530	6370	19800	36300	13500	7200	877	153	522	210
13	293	818	6370	9580	27000	23400	14500	6810	716	159	586	202
14	300	4870	5830	11900	16900	14200	11300	6470	587	696	546	194
15	299	20600	7160	9330	13600	10700	10600	9640	496	1170	461	188
16	274	15700	6910	7410	10500	9560	17300	11100	424	1650	433	188
17	301	16900	6780	6300	9240	8550	21500	10700	365	1180	390	196
18	310	19400	8270	6170	8260	7950	15700	8540	329	779	372	203
19	312	13200	5780	6140	7740	7610	9140	6440	305	674	357	198
20	583	7800	5290	7970	7450	7250	8130	5990	282	532	341	253
21	6060	4890	4450	11200	7430	7000	7440	5800	258	446	307	300
22	6870	3670	3660	8470	7250	7310	6930	5550	239	630	578	302
23	4940	3040	3180	7920	16000	7630	6590	5350	224	1890	826	297
24	4110	3240	2840	7140	26800	7340	6360	5180	215	4690	1090	300
25	3800	3450	2400	9880	22400	6930	6130	5030	207	3920	833	307
26	3530	3300	2020	19400	13900	6660	5920	6030	207	1400	592	307
27	3350	7000	1870	26700	9970	13200	6130	4560	231	898	451	319
28	3230	8800	1750	46200	8180	25900	6760	2800	244	677	374	327
29	3160	8090	1460	38900	---	28400	15700	1270	245	736	331	326
30	2850	6500	1320	23700	---	21500	21400	925	242	1270	296	322
31	1940	---	1490	10700	---	13200	---	818	---	889	287	---
TOTAL	50018	163896	178050	390310	355580	422840	323890	261253	13052	27569	23378	7620
MEAN	1613	5463	5744	12590	12700	13640	10800	8428	435	889	754	254
MAX	6870	20600	18300	46200	33300	41600	21500	25700	1220	4690	3460	327
MIN	271	779	1320	1570	4250	6660	5920	818	207	151	287	188

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1994, BY WATER YEAR (WY)

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
MEAN	1576	3061	6219	6681	7892	8253	5996	4185	2615	1525	1294	1649										
MAX	7178	6516	18500	15110	21140	15220	11920	16660	8212	6962	4630	12860										
(WY)	1976	1987	1979	1974	1989	1975	1975	1983	1974	1979	1974	1979										
MIN	264	298	1092	420	2321	1247	666	371	134	291	103	132										
(WY)	1988	1988	1981	1981	1977	1983	1986	1976	1988	1984	1986	1987										

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1974 - 1994
ANNUAL TOTAL	1568722	2217456	
ANNUAL MEAN	4298	6075	4228
HIGHEST ANNUAL MEAN			7730
LOWEST ANNUAL MEAN			2006
HIGHEST DAILY MEAN	38600	46200	74800
LOWEST DAILY MEAN	148	151	25
ANNUAL SEVEN-DAY MINIMUM	213	162	38
INSTANTANEOUS PEAK FLOW		50700	95000
INSTANTANEOUS PEAK STAGE		33.56	52.60
INSTANTANEOUS LOW FLOW		149	2.5
10 PERCENT EXCEEDS	10600	15700	10600
50 PERCENT EXCEEDS	2210	3800	1700
90 PERCENT EXCEEDS	296	252	260

LICKING RIVER BASIN

03254000 LICKING RIVER AT BUTLER, KY
(National stream-quality accounting network)

WATER-QUALITY RECORDS

LOCATION.--Lat 38°47'22", long 84°21'05", Pendleton County, Hydrologic Unit 05100101, at bridge on U.S. Highway 27, 0.4 mi downstream from Flour Creek, 1.0 mi east of Butler, and at mile 36.7.

DRAINAGE AREA.--3,375 mi².

PERIOD OF RECORD.--Water years 1950, 1975 to August 1994 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1949 to September 1950, October 1974 to July 1981.

WATER TEMPERATURES: October 1949 to September 1951, October 1974 to July 1981.

REMARKS.--Flow regulated by Cave Run Lake. Records of daily discharge are published for gaging station at Catawba (station 03253500) 11.3 mi upstream, drainage area, 3,300 mi².

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (FT ³ /S)	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, (PER-CENT SATURATION)	COLIFORM, FECAL, UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS-SOLVED (MG/L AS Ca)
NOV 1993												
10...	1130	736	240	7.7	8.5	1.9	10.2	88	70	20	99	29
FEB 1994												
10...	1210	27000	234	7.9	3.5	300	13.5	102	2300	4500	110	37
MAY												
10...	1125	20800	198	7.6	18.0	160	7.8	83	16700	5800	85	27
AUG												
10...	1130	667	324	8.0	23.0	7.3	6.9	81	450	92	150	49

DATE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE WATER DIS FIELD (MG/L AS HCO ₃)	ALKALINITY WAT DIS TOT IT (MG/L AS CaCO ₃)	ALKALINITY WAT DIS TOT FET (MG/L AS CaCO ₃)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
NOV 1993											
10...	6.4	4.5	2.8	78	64	63	5.5	32	0.10	4.4	127
FEB 1994											
10...	4.5	2.8	2.7	97	79	79	5.3	22	<0.10	5.5	160
MAY											
10...	4.3	2.0	2.3	83	68	68	2.4	17	<0.10	6.0	126
AUG											
10...	6.3	4.7	4.5	144	118	118	6.1	23	0.20	5.9	180

LICKING RIVER BASIN

03254000 LICKING RIVER AT BUTLER, KY--Continued
(National stream-quality accounting network)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)
NOV 1993											
10...	<0.010	0.330	0.020	0.30	0.100	0.030	0.040	<10	17	<3	47
FEB 1994											
10...	0.020	1.30	0.100	1.1	0.470	0.150	0.120	1200	14	<3	280
MAY											
10...	0.020	0.720	0.040	1.0	0.320	0.050	0.060	180	15	<3	230
AUG											
10...	<0.010	1.10	0.030	0.60	0.200	0.130	0.130	20	24	<3	31
DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 1993											
10...	5	19	<10	<1	<1	<1.0	85	<6	2	4.0	75
FEB 1994											
10...	<4	5	<10	<1	<1	<1.0	71	<6	494	36000	85
MAY											
10...	<4	3	<10	2	<1	<1.0	60	<6	231	13000	93
AUG											
10...	<4	3	<10	<1	<1	<1.0	110	<6	38	68	82

OHIO RIVER MAIN STEM

03277200 OHIO RIVER AT MARKLAND DAM, KY

LOCATION.--Lat 38°46'29", long 84°57'52", Gallatin County, Hydrologic Unit 05090203, at left end of Markland Dam, 0.4 mi upstream from Stephens Creek, 3.4 mi west of Warsaw, and at mile 531.5.

DRAINAGE AREA.--83,170 mi², approximately.

PERIOD OF RECORD.--May 1970 to current year.

REVISED RECORDS.--WDR KY-88-1: 1987.

GAGE.--Gate opening and water-stage recorders on left bank. Turbine recorders in powerplant on right bank. Datum of headwater gage 0.5 mi upstream is 443 ft Ohio River datum. Datum of tailwater gage 0.4 mi downstream is 35 ft lower.

REMARKS.--No estimated daily discharges. Records fair except for periods below 20,000 ft³/s, which are poor. Daily discharge computed from head, gate openings, turbine flow, and tailwater rating. Flow regulated by Ohio River system of locks, dams, and reservoirs upstream from station.

COOPERATION.--U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 26, 1937, reached a stage of 76.1 ft (tailwater gage).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37400	31900	204000	51200	353000	344000	295000	171000	36400	50300	42700	52100
2	37400	57300	182000	49400	335000	262000	334000	120000	25500	46400	34000	65700
3	38500	57200	154000	52700	296000	204000	348000	128000	48100	54000	29400	59500
4	35900	59300	151000	69800	310000	262000	330000	114000	25200	54500	34600	49800
5	35500	61700	201000	139000	239000	304000	312000	117000	22600	44400	38600	34800
6	31000	64900	249000	169000	204000	274000	245000	109000	36700	36400	49800	27900
7	32600	69100	306000	173000	176000	246000	236000	142000	31300	38900	56900	29000
8	29300	75400	332000	208000	168000	232000	244000	213000	32200	40900	63200	28900
9	26800	70000	319000	275000	199000	254000	219000	286000	33400	41500	45200	28300
10	26800	66500	277000	314000	280000	354000	328000	335000	28100	28100	22700	16300
11	29500	47200	218000	304000	361000	385000	388000	326000	29600	29500	37900	21100
12	23400	47800	180000	217000	401000	318000	358000	291000	26800	39600	22000	23900
13	21600	39800	162000	178000	400000	341000	379000	194000	30200	33000	17000	22400
14	21200	74400	152000	193000	371000	345000	374000	146000	32100	37800	21500	21900
15	27000	146000	130000	211000	349000	322000	363000	128000	39400	34000	51400	18100
16	36400	148000	111000	205000	328000	302000	359000	119000	55500	37300	75200	17700
17	27200	190000	104000	164000	263000	267000	324000	104000	67400	47500	78800	21600
18	39100	210000	94500	97900	223000	246000	302000	93700	54000	25100	80300	24100
19	36100	225000	90500	60800	183000	234000	340000	92900	42900	26800	134000	25400
20	42500	232000	95800	56800	177000	207000	361000	58700	49100	27000	163000	27700
21	58100	232000	87100	54600	177000	182000	343000	63100	51000	35000	158000	22800
22	63000	193000	86900	45600	205000	184000	290000	61000	41300	30400	127000	17800
23	65400	166000	90700	47300	294000	220000	215000	55700	44100	24500	111000	15600
24	54200	148000	98400	70100	360000	274000	181000	49100	39200	31800	97600	15500
25	52600	123000	74200	107000	364000	297000	148000	47900	35100	32500	89000	15500
26	41000	113000	70200	207000	375000	304000	131000	46500	37800	37500	68500	27500
27	29200	111000	68100	169000	360000	304000	114000	59400	55300	36300	48700	34500
28	31200	122000	54500	255000	372000	335000	111000	60300	42200	31900	42400	30200
29	30500	145000	45500	322000	---	362000	139000	57400	56600	44200	44900	29000
30	29900	181000	53500	347000	---	377000	167000	58700	56800	63200	58900	29700
31	31700	---	46300	356000	---	320000	---	40800	---	71800	57800	---
TOTAL	1122000	3507500	4488200	5169200	8123000	8862000	8278000	3888200	1205900	1212100	2003000	854300
MEAN	36190	116900	144800	166700	280100	285900	275900	125400	40200	39100	64610	28480
MAX	65400	232000	332000	356000	401000	385000	388000	335000	67400	71800	163000	65700
MIN	21200	31900	45500	45600	168000	182000	111000	40800	22600	24500	17000	15500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1994, BY WATER YEAR (WY)

MEAN	51980	90270	150800	147000	179900	212200	186900	130500	86070	60390	45990	42140
MAX	144100	230600	288700	289900	291200	335400	292200	286300	219100	109500	146200	143800
(WY)	1980	1986	1973	1974	1975	1975	1972	1983	1981	1972	1980	1979
MIN	13910	26500	42150	34060	77100	98440	61160	43510	16250	18530	13060	15500
(WY)	1992	1992	1990	1977	1992	1990	1986	1976	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1970 - 1994
ANNUAL TOTAL	41051100	48713400	
ANNUAL MEAN	112500	133500	115300
HIGHEST ANNUAL MEAN			157300
LOWEST ANNUAL MEAN			60450
HIGHEST DAILY MEAN	388000	Mar 26	542000
LOWEST DAILY MEAN	6900	Sep 8	4320
ANNUAL SEVEN-DAY MINIMUM	14000	Aug 26	7310
INSTANTANEOUS PEAK STAGE		49.12	55.25
10 PERCENT EXCEEDS	280000		260000
50 PERCENT EXCEEDS	68000		79600
90 PERCENT EXCEEDS	17900		22000

KENTUCKY RIVER BASIN

03277400 LEATHERWOOD CREEK AT DAISY, KY

LOCATION.--Lat 37°06'48", long 83°05'33", Perry County, on right bank on downstream side of bridge, at mouth of Hicks Branch, at Daisy, 0.6 mi upstream from Little Leatherwood Creek, and 1.2 mi upstream from mouth.

DRAINAGE AREA.--40.9 mi², includes that of Hicks Branch.

PERIOD OF RECORD.--October 1964 to September 1974. October 1991 to current year.

GAGE.--Water-stage recorder. Datum of gage is 938.64 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 28 to Nov. 15, Jan. 16-23, Feb. 16-20, Feb. 26 to Mar. 1, and Aug. 18 to Sept. 30. Records good except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	42	28	56	76	130	259	82	13	11	8.8	8.6
2	7.1	40	24	52	67	356	195	65	12	8.4	7.4	8.5
3	8.4	36	21	74	60	359	153	59	15	14	7.2	7.9
4	6.0	30	574	234	52	244	130	59	13	12	7.1	7.2
5	5.3	29	813	137	56	189	121	51	12	9.0	17	6.7
6	5.3	24	226	117	51	150	121	48	27	8.2	12	8.5
7	5.8	21	103	623	44	133	146	176	19	8.3	9.5	7.5
8	4.7	17	66	467	42	408	128	461	19	9.0	10	6.6
9	7.0	16	49	212	593	559	122	179	21	10	8.7	6.0
10	10	15	48	139	428	765	185	111	21	8.4	7.3	5.7
11	8.7	14	42	106	1250	316	284	81	20	7.6	6.4	5.4
12	20	14	32	228	525	213	231	69	13	7.2	5.6	5.2
13	8.0	13	28	175	349	166	767	59	12	7.2	4.8	5.4
14	6.6	16	29	140	245	160	297	50	9.8	9.8	5.7	4.9
15	5.8	40	59	113	192	131	324	49	9.6	17	13	4.5
16	6.5	56	66	96	150	107	499	43	12	33	9.8	4.7
17	7.8	60	57	84	130	95	259	36	20	24	23	7.0
18	8.1	61	50	72	100	85	178	33	14	11	16	14
19	173	43	44	62	88	74	134	29	8.8	14	14	7.2
20	56	34	39	54	80	69	106	27	7.8	14	12	4.4
21	39	25	46	48	256	86	86	26	60	16	100	3.7
22	35	21	35	42	233	85	78	23	40	31	45	3.4
23	25	18	31	38	680	76	69	21	35	28	22	3.2
24	19	16	28	145	362	72	60	21	17	16	15	3.5
25	16	15	28	347	227	85	52	22	14	11	12	3.9
26	14	15	28	312	170	75	50	26	13	14	11	5.4
27	12	131	24	192	140	674	62	28	60	17	9.4	4.6
28	11	103	55	207	110	958	49	18	23	15	9.1	3.9
29	9.5	54	100	161	---	420	44	17	18	12	9.0	3.4
30	22	37	83	123	---	263	74	16	16	11	8.8	3.3
31	34	---	69	95	---	320	---	15	---	9.9	8.6	---
TOTAL	604.2	1056	2925	4951	6756	7823	5263	2000	595.0	425.0	455.2	174.2
MEAN	19.5	35.2	94.4	160	241	252	175	64.5	19.8	13.7	14.7	5.81
MAX	173	131	813	623	1250	958	767	461	60	33	100	14
MIN	4.7	13	21	38	42	69	44	15	7.8	7.2	4.8	3.2
CFSM	.48	.86	2.31	3.90	5.90	6.17	4.29	1.58	.48	.34	.36	.14
IN.	.55	.96	2.66	4.50	6.14	7.12	4.79	1.82	.54	.39	.41	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1994, BY WATER YEAR (WY)

	1965	1974	1973	1974	1994	1973	1974	1974	1973	1992	1974	
MEAN	18.7	35.7	86.4	98.1	94.4	143	112	65.8	31.5	17.9	18.9	13.3
MAX	65.1	135	182	256	241	259	205	182	149	102	47.2	59.2
(WY)	1965	1974	1973	1974	1994	1973	1972	1971	1974	1973	1992	1974
MIN	3.29	3.23	1.75	4.06	22.2	32.0	43.2	12.4	4.06	1.19	2.50	1.59
(WY)	1966	1966	1966	1966	1968	1966	1969	1969	1966	1970	1970	1969

SUMMARY STATISTICS

	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1965 - 1994
ANNUAL TOTAL	22548.9	33027.6	
ANNUAL MEAN	61.8	90.5	61.0
HIGHEST ANNUAL MEAN			108
LOWEST ANNUAL MEAN			22.7
HIGHEST DAILY MEAN	883	Mar 23	2310
LOWEST DAILY MEAN	3.4	Jul 14	.17
ANNUAL SEVEN-DAY MINIMUM	4.5	Jul 8	.49
INSTANTANEOUS PEAK FLOW			2850
INSTANTANEOUS PEAK STAGE			9.28
INSTANTANEOUS LOW FLOW			.14
ANNUAL RUNOFF (CFSM)	1.51	2.21	1.49
ANNUAL RUNOFF (INCHES)	20.51	30.04	20.26
10 PERCENT EXCEEDS	149	233	134
50 PERCENT EXCEEDS	28	33	22
90 PERCENT EXCEEDS	6.5	7.1	2.6

KENTUCKY RIVER BASIN

03277450 CARR FORK NEAR SASSAFRAS, KY

LOCATION.--Lat 37°13'52", long 83°02'10", Knott County, Hydrologic Unit 05100201, on left bank 0.3 mi downstream from Sassafras Creek, 0.5 mi downstream from Carr Fork Dam, 0.6 mi upstream from Rowdy Hollow, 1.3 mi northeast of Sassafras, and at mile 8.3.

DRAINAGE AREA.--60.6 mi².

PERIOD OF RECORD.--October 1963 to September 1994 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 940.00 ft above sea level. Prior to July 27, 1966, nonrecording gage at site 0.3 mi upstream at datum 6.39 ft higher.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Carr Fork Lake beginning January 1976 (station 03277446). Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	58	51	67	286	261	596	25	16	53	13	13
2	57	84	4.1	56	227	93	587	23	9.9	28	12	12
3	57	104	3.8	82	23	325	355	16	9.9	10	12	12
4	57	73	44	131	23	587	143	11	9.9	10	12	12
5	56	3.3	68	143	93	401	138	79	10	9.9	18	12
6	56	56	88	142	152	276	138	46	12	9.9	14	12
7	56	100	329	191	146	181	139	126	15	9.9	13	13
8	56	98	467	147	145	170	138	357	74	10	18	13
9	56	98	462	129	164	180	137	536	40	10	20	12
10	56	98	458	266	140	154	130	585	19	12	20	13
11	56	97	453	424	151	380	116	255	19	10	14	13
12	56	73	445	322	55	615	306	93	36	11	12	12
13	55	55	326	456	139	609	738	77	49	13	11	12
14	55	56	111	451	491	603	758	48	49	22	12	12
15	55	61	113	445	621	593	765	64	31	64	12	36
16	55	105	112	440	611	446	764	74	22	76	12	46
17	56	144	111	440	604	282	667	73	13	64	13	46
18	57	141	75	287	597	282	424	73	9.9	44	12	46
19	68	136	47	154	587	281	218	41	9.9	20	12	46
20	61	135	49	154	579	186	127	11	10	11	12	46
21	62	133	49	126	589	69	92	12	15	11	78	46
22	74	86	48	109	520	92	75	40	15	17	119	46
23	81	55	49	93	169	53	75	66	21	14	42	46
24	79	54	50	66	341	21	70	39	24	36	12	46
25	65	54	50	118	606	20	66	11	27	49	12	46
26	57	55	49	161	595	20	65	16	40	49	12	46
27	57	69	49	150	585	70	37	47	44	41	12	46
28	57	86	51	217	575	80	22	65	43	19	12	46
29	57	114	87	291	---	460	24	64	46	13	12	46
30	57	147	136	291	---	725	24	43	50	13	12	46
31	58	---	115	289	---	609	---	34	---	12	13	---
TOTAL	1842	2628.3	4549.9	6838	9814	9104	7934	3060	789.5	771.7	610	899
MEAN	59.4	87.6	147	221	350	294	264	98.7	26.3	24.9	19.7	30.0
MAX	81	147	467	456	621	725	765	595	74	76	119	46
MIN	55	3.3	3.8	56	23	20	22	11	9.9	9.9	11	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1994, BY WATER YEAR (WY)

MEAN	65.7	86.0	96.1	103	141	123	94.3	71.6	46.0	26.4	21.6	41.7
MAX	256	207	239	299	350	294	264	214	202	62.6	61.1	108
(WY)	1990	1978	1992	1979	1994	1994	1994	1989	1989	1992	1992	1982
MIN	17.8	22.4	11.2	9.56	25.7	18.1	6.52	7.48	5.55	5.54	2.38	13.0
(WY)	1981	1977	1981	1981	1992	1988	1986	1986	1986	1986	1980	1983

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1977 - 1994

ANNUAL TOTAL	30521.7		48840.4		76.0	
ANNUAL MEAN	83.6		134		134	
HIGHEST ANNUAL MEAN					1994	
LOWEST ANNUAL MEAN					1977	
HIGHEST DAILY MEAN	597	Mar 26	765	Apr 15	1500	Apr 8 1977
LOWEST DAILY MEAN	3.3	Nov 5	3.3	Nov 5	.32	Oct 13 1980
ANNUAL SEVEN-DAY MINIMUM	7.9	Jun 1	10	Jul 3	1.4	Oct 8 1980
INSTANTANEOUS PEAK FLOW			940	Mar 29	6390	Mar 7 1967
INSTANTANEOUS PEAK STAGE			10.94	Mar 29	19.24	Mar 7 1967
INSTANTANEOUS LOW FLOW					.00	Aug 7 1969
10 PERCENT EXCEEDS	250		448		190	
50 PERCENT EXCEEDS	52		57		36	
90 PERCENT EXCEEDS	13		12		6.8	

KENTUCKY RIVER BASIN

03280000 NORTH FORK KENTUCKY RIVER AT JACKSON, KY

LOCATION.--Lat 37°32'46", long 83°22'21", Breathitt County, Hydrologic Unit 05100201, on left bank at city water plant on Armory Drive at Jackson, 2.8 mi downstream from Quicksand Creek, and at mile 305.0.

DRAINAGE AREA.--1,101 mi².

PERIOD OF RECORD.--June 1928 to September 1931, December 1936 to February 1937, April 1938 to current year.

Gage-height records collected at same site during periods 1904-07, 1921-31, and February to December 1934 (above 8.0 ft only), January 1935 to September 1976 are published in reports of National Weather Service.

REVISED RECORDS.--WSP 853: 1929(M). WSP 1335: 1928(M), 1929, 1931(M). WSP 1435: 1954-55. WSP 1505: 1948. WSP 1555: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 697.67 ft above sea level. See WDR KY-90-1 for history of changes prior to Aug. 22, 1980.

REMARKS.--Estimated daily discharges: Jan 16-23. Records good except for period of estimated record, which is poor. Small diversions by city of Jackson waterworks. Flow regulated by Carr Fork Lake (station 03277446) beginning January 1976. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	425	908	1440	1420	2500	2770	7280	1820	421	333	325	238
2	352	1020	1140	1380	2080	3500	5590	1900	394	282	269	243
3	308	943	923	1740	1840	9050	4480	1710	351	262	296	201
4	282	861	2360	7880	1460	7100	3590	2080	326	423	333	179
5	258	778	16900	5930	1340	5280	2810	1810	308	273	2860	166
6	243	666	17800	3850	1330	4080	2680	1630	291	245	1860	162
7	229	578	5760	11600	1320	3330	3530	3130	306	225	795	164
8	213	569	3100	22400	1240	8000	3660	10600	478	180	534	160
9	208	526	2380	11200	5580	16900	3140	7960	737	199	391	148
10	275	483	2070	4350	12400	22500	2920	4160	790	171	322	130
11	323	455	1930	3270	15300	15400	6500	3020	523	237	279	121
12	322	435	1680	5170	22900	6480	7400	2110	429	224	247	116
13	485	429	1510	5610	16900	4680	8060	1610	399	191	217	109
14	413	546	1370	4450	7450	4150	12700	1360	387	339	191	101
15	343	2020	1350	3370	5220	3700	6990	1220	337	1070	276	96
16	291	1900	1740	2250	4100	3190	14200	1270	337	1480	266	91
17	293	2740	1720	1750	3390	2640	9480	1230	292	876	549	103
18	314	4860	1580	1500	2900	2280	5400	992	336	615	399	303
19	798	2690	1430	1250	2550	2170	3970	880	362	447	644	308
20	3370	1820	1270	1000	2310	1930	2990	803	270	329	420	295
21	2110	1350	1410	880	4390	2130	2330	707	232	286	467	214
22	1400	1080	1430	800	6790	3320	1990	648	251	253	1110	166
23	1090	906	1300	980	17000	2640	1760	604	428	334	1130	144
24	866	750	1170	1870	17100	2240	1550	609	397	525	662	130
25	700	673	1100	5630	7790	3420	1400	605	479	396	418	151
26	602	642	1050	10700	4910	2830	1270	541	441	312	326	145
27	506	2190	964	6860	3770	10800	1390	771	1060	290	275	138
28	448	4160	964	7730	3120	27300	1870	778	776	357	238	136
29	403	2900	1300	5860	---	23900	1700	612	663	354	211	133
30	401	1880	1610	4200	---	10300	1750	528	425	489	198	123
31	557	---	1530	3160	---	7310	---	480	---	416	214	---
TOTAL	18828	41758	83281	150040	178980	225320	134380	58178	13226	12413	16722	4914
MEAN	607	1392	2686	4840	6392	7268	4479	1877	441	400	539	164
MAX	3370	4860	17800	22400	22900	27300	14200	10600	1060	1480	2860	308
MIN	208	429	923	800	1240	1930	1270	480	232	171	191	91
CFSM	.55	1.26	2.44	4.40	5.81	6.60	4.07	1.70	.40	.36	.49	.15
IN.	.64	1.41	2.81	5.07	6.05	7.61	4.54	1.97	.45	.42	.56	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1994, BY WATER YEAR (WY)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	575	982	1819	1987	2745	2723	2322	1760	977	479	437	330						
MAX	4189	3019	4649	5168	6392	7268	4479	7189	4166	1200	945	1154						
(WY)	1990	1986	1992	1979	1994	1994	1984	1989	1992	1977	1989	1988						
MIN	92.8	152	196	155	790	541	452	614	136	90.2	85.6	83.0						
(WY)	1981	1982	1981	1981	1988	1988	1986	1977	1988	1988	1988	1983						

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1977 - 1994
ANNUAL TOTAL	562026	938040	
ANNUAL MEAN	1540	2570	1421
HIGHEST ANNUAL MEAN			2570
LOWEST ANNUAL MEAN			477
HIGHEST DAILY MEAN	17800	Dec 6	27300
LOWEST DAILY MEAN	118	Sep 14	91
ANNUAL SEVEN-DAY MINIMUM	168	Sep 8	105
INSTANTANEOUS PEAK FLOW			29000
INSTANTANEOUS PEAK STAGE			31.88
INSTANTANEOUS LOW FLOW			43.10
ANNUAL RUNOFF (CFSM)	1.40	2.33	.00
ANNUAL RUNOFF (INCHES)	18.99	31.69	1.29
10 PERCENT EXCEEDS	3440	6910	3200
50 PERCENT EXCEEDS	830	1060	648
90 PERCENT EXCEEDS	233	221	126

KENTUCKY RIVER BASIN

03280700 CUTSHIN CREEK AT WOOTON, KY

LOCATION.--Lat 37°9'54", long 83°18'29", Leslie County, Hydrologic Unit 05100202, on right bank 15 ft downstream from bridge on State Highway 80, 400 ft upstream from Poundmill Branch, 600 ft upstream from Rockhouse Branch, 0.7 mi downstream from Saw Branch, 1.0 mi southwest of Wooton, and at mile 10.7.

DRAINAGE AREA.--61.3 mi².

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 869.84 ft above sea level. Prior to Dec. 26, 1957, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 16-18, and 20-23. Records good except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1957 reached a stage of 19.43 ft, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	58	54	98	96	131	277	189	14	16	7.2	7.1
2	7.4	56	46	95	83	581	209	134	14	13	7.1	7.1
3	7.0	49	42	185	77	484	171	117	13	11	6.8	6.4
4	6.1	41	1140	420	67	327	141	104	12	9.6	6.2	5.9
5	5.5	40	1350	233	68	234	123	90	10	8.4	17	5.3
6	5.1	33	326	215	60	183	157	90	31	7.7	13	6.9
7	4.9	26	173	1460	53	185	183	843	28	7.2	6.2	7.2
8	4.7	22	123	529	54	768	169	585	29	7.1	5.4	5.9
9	4.8	19	96	258	865	948	149	244	18	7.8	4.9	5.3
10	6.5	17	99	169	536	893	354	154	29	15	4.8	4.8
11	6.5	16	82	156	2820	341	529	111	21	7.9	4.4	4.7
12	20	16	68	361	623	223	434	89	14	6.4	4.1	4.7
13	8.6	15	63	258	404	183	1020	69	12	6.7	3.8	4.8
14	6.5	20	63	192	268	182	348	58	11	8.4	9.4	4.4
15	5.9	86	98	129	201	157	779	66	24	41	16	4.0
16	5.9	123	104	98	156	135	604	55	25	83	16	4.0
17	6.1	181	99	86	131	117	295	41	25	58	11	6.1
18	8.0	147	93	76	113	115	202	36	13	22	18	13
19	334	95	83	65	99	94	155	32	10	15	8.4	5.6
20	93	69	78	59	92	86	123	30	8.8	13	6.8	3.8
21	65	50	82	54	353	120	101	27	30	24	83	3.2
22	49	40	68	50	346	124	95	25	84	72	33	3.0
23	34	34	62	47	1640	118	81	23	142	72	17	2.8
24	25	31	56	256	515	111	70	21	47	33	12	3.0
25	21	28	56	566	247	111	62	22	27	22	9.4	3.3
26	17	41	50	470	179	99	55	50	21	20	8.5	4.6
27	14	168	49	250	134	1900	73	37	75	24	7.6	4.2
28	13	157	115	255	119	1530	54	25	35	17	7.4	3.4
29	12	99	169	190	---	471	138	21	27	12	7.4	3.2
30	34	71	134	149	---	278	201	19	22	9.4	7.3	3.1
31	52	---	113	119	---	343	---	17	---	8.1	7.1	---
TOTAL	891.0	1848	5234	7548	10399	11572	7352	3424	871.8	677.7	376.3	150.8
MEAN	28.7	61.6	169	243	371	373	245	110	29.1	21.9	12.1	5.03
MAX	334	181	1350	1460	2820	1900	1020	843	142	83	83	13
MIN	4.7	1.5	42	47	53	86	54	17	8.8	6.4	3.8	2.8
CFSM	.47	1.00	2.75	3.87	6.06	6.09	4.00	1.80	.47	.36	.20	.08
IN.	.54	1.12	3.18	4.58	6.31	7.02	4.46	2.08	.53	.41	.23	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1994, BY WATER YEAR (WY)

	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994		
MEAN	29.2	63.9	117	147	175	203	164	112	56.3	33.3	24.9	19.4																											
MAX	287	309	359	597	371	620	428	449	423	144	107	125																											
(WY)	1990	1978	1973	1974	1994	1975	1977	1983	1989	1958	1966	1974																											
MIN	.26	6.64	3.30	6.87	27.0	21.4	16.6	14.0	3.17	2.17	1.16	.73																											
(WY)	1964	1966	1966	1981	1968	1988	1963	1964	1988	1970	1988	1969																											

SUMMARY STATISTICS

	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1958 - 1994	
ANNUAL TOTAL	34077.3		50344.6			
ANNUAL MEAN	93.4		138		95.1	
HIGHEST ANNUAL MEAN					212	
LOWEST ANNUAL MEAN					27.6	
HIGHEST DAILY MEAN	1350	Dec 5	2820	Feb 11	4890	May 7 1984
LOWEST DAILY MEAN	4.7	Oct 8	2.8	Sep 23	.00	Sep 29 1959
ANNUAL SEVEN-DAY MINIMUM	5.4	Oct 4	3.4	Sep 20	.01	Sep 11 1964
INSTANTANEOUS PEAK FLOW			5860	Feb 11	14200	Mar 12 1963
INSTANTANEOUS PEAK STAGE			9.94	Feb 11	16.23	Mar 12 1963
INSTANTANEOUS LOW FLOW			2.8	Sep 23	.00	Sep 29 1959
ANNUAL RUNOFF (CFSM)	1.52		2.25		1.55	
ANNUAL RUNOFF (INCHES)	20.68		30.55		21.07	
10 PERCENT EXCEEDS	205		337		207	
50 PERCENT EXCEEDS	50		54		33	
90 PERCENT EXCEEDS	9.9		6.0		2.7	

KENTUCKY RIVER BASIN

03281000 MIDDLE FORK KENTUCKY RIVER AT TALLEGA, KY

LOCATION.--Lat 37°33'18", long 83°35'38", Lee County, Hydrologic Unit 05100202, on left bank 100 ft downstream of bridge on State Highway 708, 150 ft upstream from Lynam Creek, 0.5 mi southwest of Tallega, 8.3 mi upstream from confluence with North Fork, and at mile 8.3.

DRAINAGE AREA.--537 mi².

PERIOD OF RECORD.--October 1930 to March 1932, October 1939 to current year.

REVISED RECORDS.--WSP 1113: 1931, 1940. WSP 1385: 1931-32, 1948, drainage area. WSP 1505: 1946(M), 1951(M).

GAGE.--Water-stage recorder. Datum of gage is 642.13 ft above sea level. Prior to Feb. 6, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 27 and 28. Records good except for period of estimated record, which is fair. Flow regulated by Buckhorn Lake beginning December 1960 (station 03280800). Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	383	918	1320	3570	3840	4910	1470	160	198	162	59
2	199	407	465	699	3310	4000	4520	1790	158	196	161	53
3	162	436	399	1160	2340	4850	4270	1750	158	193	136	51
4	110	575	1240	3130	947	4590	4110	1430	158	193	111	50
5	72	589	3590	2060	520	4190	3960	1160	158	152	609	50
6	62	580	3010	2770	621	4030	3880	488	156	119	442	50
7	63	558	3800	5040	612	3690	4160	1170	193	111	242	52
8	63	539	3980	5120	629	4110	3990	3310	204	72	211	51
9	63	393	3860	3070	2720	5550	3900	3700	179	65	201	48
10	82	273	3740	3320	3620	5610	3010	3860	175	72	169	47
11	83	181	3790	3690	5180	3350	3570	3170	158	71	79	47
12	77	180	3650	4360	6180	3970	4690	1680	155	66	66	47
13	76	275	3430	4450	5980	4110	3480	1370	187	67	63	46
14	105	510	2470	4080	5310	4020	4180	1060	207	112	61	45
15	178	1430	1150	3780	4480	3890	4520	471	198	100	63	58
16	233	880	1080	3550	4150	3930	5380	426	179	330	66	61
17	229	1500	1030	3460	3960	3790	4090	586	135	470	60	63
18	292	2790	1030	3270	4010	3670	3410	574	145	1100	58	75
19	400	760	1050	2930	3880	3650	4000	335	182	548	58	73
20	1100	1820	1010	873	3730	3310	3950	298	163	190	57	65
21	2630	1800	750	363	4140	1520	3790	291	142	131	97	62
22	1570	1670	670	272	4550	1630	3660	242	150	140	108	61
23	740	861	683	216	6640	1160	3400	207	98	136	203	61
24	601	646	681	359	4370	1250	1690	193	97	155	216	61
25	388	400	666	2390	4440	1400	383	160	113	237	117	61
26	342	343	527	4190	4070	1070	211	123	176	363	84	64
27	334	769	464	3850	3940	3630	203	117	343	446	87	66
28	324	2020	420	4490	3840	6000	425	113	321	422	85	63
29	320	2070	526	4070	---	4880	636	123	238	271	81	60
30	309	1360	800	3430	---	4480	2030	160	201	173	56	58
31	257	---	1320	3720	---	4670	---	162	---	165	50	---
TOTAL	11699	26998	52199	89492	101739	113840	98408	31989	5287	7064	4259	1708
MEAN	377	900	1684	2887	3634	3672	3280	1032	176	228	137	56.9
MAX	2630	2790	3980	5120	6640	6000	5380	3860	343	1100	609	75
MIN	62	180	399	216	520	1070	203	113	97	65	50	45
CFSM	.70	1.68	3.14	5.38	6.77	6.84	6.11	1.92	.33	.42	.26	.11
IN.	.81	1.87	3.62	6.20	7.05	7.89	6.82	2.22	.37	.49	.30	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994, BY WATER YEAR (WY)

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994			
MEAN	333	595	1003	1300	1486	1674	1204	877	447	220	182	184																									
MAX	2225	1715	2826	3320	3634	3672	3280	2762	2599	687	623	784																									
(WY)	1990	1978	1973	1974	1994	1994	1994	1971	1989	1992	1992	1989																									
MIN	47.5	148	45.5	56.8	270	241	98.7	57.9	49.1	43.6	45.0	45.9																									
(WY)	1988	1961	1966	1981	1968	1988	1986	1986	1988	1988	1988	1987																									

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1961 - 1994
ANNUAL TOTAL	314923	544682	
ANNUAL MEAN	863	1492	789
HIGHEST ANNUAL MEAN			1492
LOWEST ANNUAL MEAN			267
HIGHEST DAILY MEAN	4120	Mar 4	6640
LOWEST DAILY MEAN	48	Jul 2	45
ANNUAL SEVEN-DAY MINIMUM	65	Jul 1	47
INSTANTANEOUS PEAK FLOW			7380
INSTANTANEOUS PEAK STAGE			22.41
INSTANTANEOUS LOW FLOW			43.33
ANNUAL RUNOFF (CFSM)	1.61	2.78	1.47
ANNUAL RUNOFF (INCHES)	21.82	37.73	19.96
10 PERCENT EXCEEDS	3150	4110	2530
50 PERCENT EXCEEDS	371	488	302
90 PERCENT EXCEEDS	75	63	67

KENTUCKY RIVER BASIN

03281040 RED BIRD RIVER NEAR BIG CREEK, KY

LOCATION.--Lat 37°10'43", long 83°35'35" Clay County, Hydrologic Unit 05100203, on right bank adjacent to State Highway 66, 0.1 mi upstream from Fish Trap Branch, 0.6 mi downstream from Britton Branch, 1.2 mi downstream from Big Creek, 1.7 mi northwest of Big Creek, and at mile 58.9.

DRAINAGE AREA.--155 mi².

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

GAGE.--Water-stage recorder and crest-stage gages. Datum of gage is 815.74 ft above sea level.

REMARKS.--Estimated daily discharges: Jan. 16-23, and Aug. 23 to Sept. 30. Records good except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of 1947 and 1957 reached a stage of 29.27 ft and 27.60 ft, respectively, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	171	229	309	330	319	969	331	33	33	89	13
2	36	185	185	289	255	1640	698	297	30	24	68	19
3	30	193	161	372	244	2250	531	261	29	29	54	18
4	26	176	3410	1980	237	1300	440	260	26	39	45	17
5	23	146	7100	981	221	851	353	231	23	23	73	15
6	20	127	1450	668	206	608	415	205	22	17	102	14
7	19	99	654	7050	172	484	813	809	36	14	58	15
8	19	78	418	3210	156	3390	649	3810	45	11	44	13
9	17	64	308	1040	2830	3720	502	972	34	17	35	12
10	19	61	278	612	2470	3950	1580	518	48	77	30	10
11	19	55	274	447	7370	1370	3080	341	88	31	25	9.2
12	20	51	237	1400	2860	783	1910	269	44	27	21	8.3
13	23	48	218	1060	1750	556	2980	215	31	47	18	7.5
14	27	46	211	701	1000	484	1470	174	25	36	29	6.8
15	27	280	215	428	671	384	1690	180	20	643	30	5.9
16	26	501	226	350	473	323	4230	202	20	253	21	5.2
17	27	864	226	300	365	280	1360	135	26	243	18	9.4
18	41	797	226	270	310	273	784	111	18	106	22	17
19	1040	424	226	230	272	247	542	97	15	66	17	12
20	483	304	226	200	246	224	397	86	13	54	14	9.1
21	262	224	226	180	1070	266	317	77	52	93	149	8.0
22	244	178	222	170	1100	436	280	70	66	247	176	7.2
23	166	149	216	160	6040	381	242	64	64	446	70	6.7
24	122	134	190	421	1920	343	216	55	62	184	45	6.2
25	96	120	181	2140	921	323	188	50	44	97	35	5.8
26	79	120	164	2410	592	276	187	82	115	82	27	8.5
27	67	583	146	1130	416	5800	206	135	403	86	22	7.2
28	58	759	257	1450	339	8620	240	70	133	66	19	6.6
29	51	430	608	1010	---	2040	197	52	66	621	18	6.0
30	55	296	498	640	---	994	352	43	45	359	16	5.5
31	112	---	372	438	---	1090	---	38	---	149	15	---
TOTAL	3301	7663	19558	32046	34836	44005	27818	10240	1676	4220	1405	304.1
MEAN	106	255	631	1034	1244	1420	927	330	55.9	136	45.3	10.1
MAX	1040	864	7100	7050	7370	8620	4230	3810	403	643	176	19
MIN	17	46	146	160	156	224	187	38	13	11	14	5.2
CFSM	.69	1.65	4.07	6.67	8.03	9.16	5.98	2.13	.36	.88	.28	.07
IN.	.79	1.84	4.69	7.69	8.36	10.56	6.68	2.46	.40	1.01	.34	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1994, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
MEAN	96.9	240	408	458	527	599	441	320	169	86.7	53.4	42.0
MAX	758	796	1180	1150	1244	1678	954	1176	998	351	192	138
(WY)	1990	1978	1991	1974	1994	1975	1977	1984	1989	1992	1990	1979
MIN	3.93	7.84	37.5	19.0	164	99.6	60.8	41.2	10.3	5.28	2.51	1.81
(WY)	1979	1988	1981	1981	1988	1988	1986	1986	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1973 - 1994
ANNUAL TOTAL	113687.6	187072.1	
ANNUAL MEAN	311	513	286
HIGHEST ANNUAL MEAN			513
LOWEST ANNUAL MEAN			92.2
HIGHEST DAILY MEAN	7100	8620	16200
LOWEST DAILY MEAN	2.8	5.2	.20
ANNUAL SEVEN-DAY MINIMUM	5.0	6.5	.53
INSTANTANEOUS PEAK FLOW		12600	28500
INSTANTANEOUS PEAK STAGE		13.35	21.14
INSTANTANEOUS LOW FLOW			.20
ANNUAL RUNOFF (CFSM)	2.01	3.31	1.84
ANNUAL RUNOFF (INCHES)	27.29	44.90	25.04
10 PERCENT EXCEEDS	689	1200	608
50 PERCENT EXCEEDS	134	181	97
90 PERCENT EXCEEDS	15	17	7.5

KENTUCKY RIVER BASIN

03281100 GOOSE CREEK AT MANCHESTER, KY

LOCATION.--Lat 37°09'07", long 83°45'37", Clay County, Hydrologic Unit 05100203, on left bank on downstream side of Second Street bridge at Manchester, 0.9 mi upstream from Little Goose Creek, and at mile 21.7.

DRAINAGE AREA.--163 mi².

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder and crest-stage gages. Datum of gage is 819.37 ft above sea level. Prior to September 15, 1975, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 16-23, and Aug. 23 to Sept. 30. Records good except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1947, Jan. 28, 1957, and Mar. 12, 1963, reached a stage of 40.6 ft, discharge, 38,000 ft³/s, 37.3 ft, discharge, 29,800 ft³/s, and 33.5 ft, discharge, 21,500 ft³/s, respectively, present site.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	177	252	314	324	268	855	268	27	31	124	19
2	52	188	204	282	252	968	620	208	24	23	92	22
3	43	179	180	303	227	2010	487	181	21	19	78	19
4	36	157	1870	1320	192	1020	432	185	19	17	59	16
5	30	142	6850	885	184	662	353	173	18	16	80	15
6	26	122	1540	591	173	491	432	152	20	14	95	15
7	23	98	617	4040	150	395	821	292	37	12	62	14
8	20	81	419	4350	140	2420	680	2550	47	10	48	13
9	20	70	312	883	1260	3200	515	811	49	17	38	12
10	19	64	337	538	2000	3640	1040	437	51	34	32	13
11	17	59	336	415	4680	1130	3010	285	75	26	27	12
12	21	55	295	1170	3810	637	1900	209	41	17	23	9.8
13	21	53	267	962	1230	479	1790	163	29	19	20	8.4
14	20	54	252	628	736	416	1110	132	23	24	20	7.2
15	16	315	278	413	531	335	886	140	19	529	17	6.2
16	16	581	311	300	393	276	3220	152	18	298	21	5.5
17	21	967	301	250	314	229	1130	104	16	569	19	6.0
18	53	1210	283	200	265	217	625	83	15	185	19	8.6
19	1300	548	250	180	227	193	444	69	12	93	17	7.8
20	1610	363	221	160	203	171	323	62	10	59	20	9.2
21	450	250	262	150	966	211	249	55	19	128	130	8.6
22	371	195	231	140	1150	491	216	49	63	1500	147	8.0
23	255	167	219	130	5500	409	183	43	26	838	60	7.7
24	183	149	196	297	2050	340	158	39	38	330	50	7.2
25	141	133	190	1410	729	323	140	35	33	157	38	6.4
26	113	133	176	2260	490	273	125	63	82	99	30	6.0
27	93	722	160	1050	354	4510	135	99	339	74	24	6.8
28	77	1120	270	1500	295	8000	136	56	116	59	20	7.0
29	66	547	666	1030	---	2100	152	41	59	717	18	6.4
30	75	348	530	617	---	780	399	34	37	519	17	5.8
31	119	---	390	434	---	853	---	30	---	234	16	---
TOTAL	5375	9247	18665	27202	28825	37447	22566	7210	1383	6667	1461	308.6
MEAN	173	308	602	877	1029	1208	752	233	46.1	215	47.1	10.3
MAX	1610	1210	6850	4350	5500	8000	3220	2550	339	1500	147	22
MIN	16	53	160	130	140	171	125	30	10	10	16	5.5
CFSM	1.06	1.89	3.69	5.38	6.32	7.41	4.61	1.43	.28	1.32	.29	.06
IN.	1.23	2.11	4.26	6.21	6.58	8.55	5.15	1.65	.32	1.52	.33	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1994, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
MEAN	94.5	208	396	443	500	532	429	297	146	101	54.1	47.2																			
MAX	600	646	1229	1205	1196	1665	983	1158	975	381	178	185																			
(WY)	1990	1978	1991	1974	1972	1975	1972	1984	1989	1965	1977	1979																			
MIN	2.13	11.4	28.3	22.9	70.5	111	50.7	29.3	6.48	2.03	3.72	2.11																			
(WY)	1970	1988	1966	1981	1968	1969	1986	1965	1988	1966	1988	1965																			

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1965 - 1994	
ANNUAL TOTAL	118304.6		166356.6			
ANNUAL MEAN	324		456		270	
HIGHEST ANNUAL MEAN					456	
LOWEST ANNUAL MEAN					107	
HIGHEST DAILY MEAN	6850	Dec 5	8000	Mar 28	13700	May 7 1984
LOWEST DAILY MEAN	3.1	Sep 14	5.5	Sep 16	.00	Oct 8 1980
ANNUAL SEVEN-DAY MINIMUM	6.0	Sep 8	6.5	Sep 24	.16	Oct 4 1980
INSTANTANEOUS PEAK FLOW			8690	Mar 28	19200	May 7 1984
INSTANTANEOUS PEAK STAGE			23.15	Mar 28	32.85	May 7 1984
INSTANTANEOUS LOW FLOW					.00	Oct 8 1980
ANNUAL RUNOFF (CFSM)	1.99		2.80		1.65	
ANNUAL RUNOFF (INCHES)	27.00		37.97		22.47	
10 PERCENT EXCEEDS	706		1120		579	
50 PERCENT EXCEEDS	158		163		92	
90 PERCENT EXCEEDS	19		16		6.2	

KENTUCKY RIVER BASIN

03281500 SOUTH FORK KENTUCKY RIVER AT BOONEVILLE, KY

LOCATION.--Lat 37°27'45", long 83°40'38", Owsley County, Hydrologic Unit 05100203, on right bank 600 ft downstream from Buck Creek, 0.2 mi downstream from bridge on State Highway 30 at Booneville, 0.5 mi downstream from Meadow Creek, and at mile 11.5.

DRAINAGE AREA.--722 mi².

PERIOD OF RECORD.--March 1925 to September 1931, October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1305.

REVISED RECORDS.--WSP 893: 1929(M). WSP 1335: WSP 1555: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 642.49 ft above sea level. See WDR KY-92-1 for history of changes prior to Nov. 27, 1929.

REMARKS.--Estimated daily discharges: Jan. 16-23. Records good except for periods of estimated record, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	415	1020	1150	1510	1160	4100	2190	161	237	451	111
2	241	568	793	1030	1140	1950	3110	1460	143	181	310	123
3	196	573	682	1320	978	7470	2380	1140	129	148	247	113
4	163	532	1970	5220	840	5140	2070	1490	117	133	222	90
5	142	490	14900	4720	748	3220	1700	1280	107	157	1030	76
6	124	454	13700	2760	709	2290	1610	1080	101	131	852	76
7	111	404	3500	8530	641	1790	2690	2220	106	101	482	68
8	97	344	1930	18200	613	5910	3000	8060	312	86	320	63
9	89	297	1340	8030	4260	13900	2370	5590	288	75	235	56
10	103	264	1110	2770	8720	16800	2210	2400	252	82	187	58
11	104	241	1140	2010	10400	8850	9230	1480	210	120	155	56
12	130	225	969	3540	17400	3420	11300	1020	222	147	132	51
13	113	217	853	4490	9450	2290	5890	791	193	115	115	45
14	107	310	806	3010	4740	1950	5330	843	146	173	100	38
15	101	1390	899	2050	2880	1610	3920	593	131	381	113	34
16	95	1740	1150	1150	2070	1320	11100	687	117	1070	130	30
17	100	2630	1130	1000	1560	1090	7820	609	96	973	116	33
18	104	5270	1040	920	1250	971	3290	469	88	988	93	49
19	415	2710	940	860	1040	914	2190	394	86	486	88	48
20	4740	1520	833	800	907	791	1590	347	77	320	102	52
21	2300	1000	864	750	2980	930	1180	316	67	250	249	51
22	1240	746	871	700	5330	1320	966	284	153	543	583	49
23	885	622	781	820	14000	1430	831	255	300	1700	519	47
24	654	543	724	1030	15200	1250	708	229	240	1000	300	45
25	518	489	684	4120	4560	1250	627	210	325	525	207	38
26	426	453	664	9750	2520	1170	568	196	282	349	160	34
27	358	1440	611	5820	1770	8170	576	267	1430	399	131	39
28	305	4080	617	6500	1370	23300	648	411	1110	319	115	40
29	262	2670	1460	5320	---	20300	766	281	532	269	98	33
30	241	1530	1920	3030	---	5340	3910	216	340	1210	96	31
31	262	---	1430	2070	---	3730	---	183	---	744	97	---
TOTAL	15043	34167	61331	113470	119586	151026	97680	36791	7861	13412	8035	1677
MEAN	485	1139	1978	3660	4271	4872	3256	1187	262	433	259	55.9
MAX	4740	5270	14900	18200	17400	23300	11300	8060	1430	1700	1030	123
MIN	89	217	611	700	613	791	568	183	67	75	88	30
CFSM	.67	1.58	2.74	5.07	5.92	6.75	4.51	1.64	.36	.60	.36	.08
IN.	.78	1.76	3.16	5.85	6.16	7.78	5.03	1.90	.41	.69	.41	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 1994, BY WATER YEAR (WY)

MEAN	221	674	1392	1820	2156	2331	1709	1072	570	406	261	150
MAX	2843	2380	4935	5461	5905	7400	4633	5130	2710	2666	1700	827
(WY)	1990	1974	1991	1974	1956	1975	1972	1984	1989	1941	1942	1989
MIN	.084	.32	12.1	104	178	568	222	119	36.7	3.67	4.56	.68
(WY)	1954	1954	1954	1981	1941	1988	1963	1941	1966	1944	1930	1930

SUMMARY STATISTICS

	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1925 - 1994	
ANNUAL TOTAL	394564		660079			
ANNUAL MEAN	1081		1808		1063	
HIGHEST ANNUAL MEAN					1808	
LOWEST ANNUAL MEAN					413	
HIGHEST DAILY MEAN	14900		23300		51300	
LOWEST DAILY MEAN	45		30		.00	
ANNUAL SEVEN-DAY MINIMUM	62		37		.00	
INSTANTANEOUS PEAK FLOW			27200		66100	
INSTANTANEOUS PEAK STAGE			32.99		43.40	
INSTANTANEOUS LOW FLOW					.00	
ANNUAL RUNOFF (CFSM)	1.50		2.50		1.47	
ANNUAL RUNOFF (INCHES)	20.33		34.01		20.00	
10 PERCENT EXCEEDS	2400		4900		2420	
50 PERCENT EXCEEDS	546		682		352	
90 PERCENT EXCEEDS	93		92		26	

KENTUCKY RIVER BASIN

03282000 KENTUCKY RIVER AT LOCK 14, AT HEIDELBERG, KY

LOCATION.--Lat 37°33'19", long 83°46'06", Lee County, Hydrologic Unit 05100204, on right bank 200 ft upstream from lock 14 at Heidelberg, 0.3 mi upstream from Sturgeon Creek, and at mile 249.2.

DRAINAGE AREA.--2,657 mi².

PERIOD OF RECORD.--October 1925 to September 1931, December 1936 to February 1937, July 1938 to current year.
Gage-height records collected in this vicinity since 1902 are published in reports of National Weather Service.

REVISED RECORDS.--WSP 1385: 1926-27, 1928(M), 1929, 1931(M), 1937, 1939(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 626.66 ft, Ohio River datum. Prior to September 2, 1939, nonrecording gage at lock 14 at same datum.

REMARKS.--Estimated daily discharges: Nov. 19-21, Jan. 14-23, and April 15-18. Records good above 1,000 ft³/s, fair between 1,000 ft³/s and 150 ft³/s, and poor below 150 ft³/s and for periods of estimated record. Flow regulated by Buckhorn Lake beginning December 1960 (station 03280800), and by Carr Fork Lake beginning January 1976 (station 03277446). Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1320	1520	4570	4540	9440	9180	21900	6870	833	928	1190	382
2	1010	2150	3380	3850	7920	10300	18600	5810	748	771	890	422
3	846	2260	2720	4430	6500	22600	14400	5590	685	675	737	437
4	675	2210	5990	16400	4450	24000	12300	6340	634	602	692	378
5	575	2130	28700	19600	3370	17700	10300	5810	597	742	2320	334
6	507	2070	35900	13200	3130	13600	9500	4490	578	590	5310	325
7	472	1830	25600	23000	3050	11100	11900	6420	634	512	2500	311
8	445	1650	12700	40200	2930	21000	13100	22400	890	420	1450	299
9	412	1470	9420	33500	12900	36500	11600	25200	1070	345	1060	291
10	488	1280	8380	18400	27200	46900	9590	15800	1350	360	832	279
11	570	1040	8160	11300	32300	36300	19200	10000	1220	371	622	268
12	615	976	7490	14200	41900	24600	29000	6760	926	467	507	248
13	637	963	6730	19400	38600	15100	21700	4710	855	449	453	243
14	763	1470	5750	16100	29600	12500	24000	3830	792	527	401	212
15	787	5760	4420	14500	18400	11200	18000	3300	779	816	416	203
16	829	6150	4600	10700	13700	10100	34000	2930	720	2990	484	203
17	1340	6930	4880	7900	11300	9080	22000	2920	642	2720	489	210
18	1230	16200	4580	5900	10000	8100	17000	2600	530	3210	691	256
19	1850	11100	4240	4500	90600	7720	13400	2080	568	2010	606	418
20	10200	6940	3820	3500	8270	7050	10900	1780	642	1150	769	489
21	10300	4850	3600	2700	11200	5200	8970	1610	507	764	815	438
22	5970	3720	3610	2500	21000	6770	7870	1410	547	826	1210	403
23	3750	3000	3470	2700	34700	6890	7210	1270	699	2240	2110	332
24	2760	2450	3200	3130	40100	5920	5070	1180	743	1870	1730	292
25	2150	2060	2980	9020	28100	6030	3320	1130	870	1440	1080	264
26	1750	1800	2790	28400	16600	6490	2610	1070	946	1190	731	259
27	1510	4230	2530	25500	12100	19400	2510	982	2200	1370	596	280
28	1330	12500	2380	25300	10100	46100	2910	1440	3010	1220	514	283
29	1210	10900	3220	23300	---	52400	3560	1260	1790	1070	468	278
30	1120	6770	4640	15200	---	34300	9210	1050	1290	1760	407	262
31	1080	---	4860	11500	---	22000	---	922	---	1670	372	---
TOTAL	58501	128379	229310	434370	467920	566130	395630	158964	28295	36075	32452	9299
MEAN	1887	4279	7397	14010	16710	18260	13190	5128	943	1164	1047	310
MAX	10300	16200	35900	40200	41900	52400	34000	25200	3010	3210	5310	489
MIN	412	963	2380	2500	2930	5200	2510	922	507	345	372	203
CFSM	.71	1.61	2.78	5.27	6.29	6.87	4.96	1.93	.35	.44	.39	.12
IN.	.82	1.80	3.21	6.08	6.55	7.93	5.54	2.23	.40	.51	.45	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1994, BY WATER YEAR (WY)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	1571	2955	5535	5745	7617	7552	6084	4539	2354	1169	1032	847						
MAX	10380	7006	14850	14010	16710	18260	13190	16010	10380	3320	3006	3680						
(WY)	1990	1978	1991	1994	1994	1994	1994	1984	1989	1992	1977	1989						
MIN	242	431	582	362	2345	1791	855	910	247	206	154	170						
(WY)	1989	1988	1981	1981	1988	1988	1986	1986	1988	1988	1988	1984						

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1977 - 1994
ANNUAL TOTAL	1559361	2545325	
ANNUAL MEAN	4272	6973	3898
HIGHEST ANNUAL MEAN			6973
LOWEST ANNUAL MEAN			1461
HIGHEST DAILY MEAN	35900	Dec 6	52400
LOWEST DAILY MEAN	249	Jul 10	203
ANNUAL SEVEN-DAY MINIMUM	366	Aug 28	225
INSTANTANEOUS PEAK FLOW		54800	Mar 29
INSTANTANEOUS PEAK STAGE		22.61	Mar 29
INSTANTANEOUS LOW FLOW			35.60
ANNUAL RUNOFF (CFSM)	1.61	2.62	4.0
ANNUAL RUNOFF (INCHES)	21.83	35.64	1.47
10 PERCENT EXCEEDS	10800	21300	9830
50 PERCENT EXCEEDS	2070	2720	1660
90 PERCENT EXCEEDS	486	431	289

KENTUCKY RIVER BASIN

03282040 STURGEON CREEK AT CRESSMONT, KY

LOCATION.--Lat 37°30'02", long 83°48'37", Lee County, Hydrologic Unit 05100204, on right bank 30 ft downstream of bridge on State Highway 597, 0.2 mi southeast of Cressmont, 0.2 mi upstream from Elkhorn Branch, and 0.5 mi downstream from Granny Dismal Creek.

DRAINAGE AREA.-- 77.3 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 704.53 ft above sea level.

REMARKS.--Estimated daily discharges: Jan. 16-23. Records good except for period of estimated record, which is poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	40	108	102	155	126	439	171	10	11	10	19
2	15	35	88	107	120	495	312	114	9.0	7.6	7.4	16
3	13	30	78	425	104	668	249	166	7.8	5.8	5.8	10
4	10	29	956	1240	87	453	216	330	7.0	5.2	6.0	7.5
5	9.0	32	1290	425	83	306	170	221	6.2	4.6	289	5.9
6	7.3	41	448	300	74	223	191	191	6.6	3.4	108	6.3
7	6.2	35	259	2170	64	192	298	649	77	2.9	47	6.6
8	5.4	32	179	835	100	1560	254	967	67	2.3	29	5.7
9	5.2	29	132	364	1710	2490	208	359	29	2.3	21	4.7
10	12	27	148	244	692	1520	253	213	26	2.9	15	3.6
11	20	26	129	188	1800	485	1180	138	17	3.0	11	2.9
12	13	24	107	533	930	308	784	98	13	2.9	9.1	2.4
13	11	25	98	374	740	229	629	74	10	2.5	7.2	2.3
14	9.1	106	104	274	468	209	353	60	8.5	70	5.8	2.0
15	7.4	690	152	171	342	159	656	134	7.5	34	5.9	1.9
16	9.0	309	177	100	253	128	970	93	25	21	8.3	4.2
17	60	481	160	82	199	106	393	64	14	98	7.2	7.4
18	44	419	139	70	160	108	261	51	9.4	29	5.5	18
19	326	231	114	64	133	92	189	43	6.8	17	4.4	13
20	441	145	98	58	114	82	138	38	5.6	12	8.3	8.1
21	315	98	111	54	390	196	106	33	4.7	8.7	92	5.3
22	174	77	90	50	529	265	90	28	3.9	25	63	3.4
23	100	64	84	68	2890	190	76	24	5.1	12	31	2.2
24	69	55	76	156	575	155	67	21	6.7	8.2	19	1.8
25	54	49	75	540	328	128	59	36	9.7	5.9	14	1.3
26	44	58	71	693	226	104	56	35	12	4.8	11	1.3
27	36	511	66	539	164	2240	68	25	90	55	27	1.2
28	31	446	94	1230	135	2060	63	20	38	37	14	.99
29	27	236	134	520	---	594	72	17	24	19	9.7	.77
30	27	150	122	306	---	339	321	14	16	16	8.6	.56
31	34	---	111	214	---	521	---	12	---	14	8.2	---
TOTAL	1951.6	4530	5998	12496	13565	16731	9121	4439	572.5	543.0	908.4	166.32
MEAN	63.0	151	193	403	484	540	304	143	19.1	17.5	29.3	5.54
MAX	441	690	1290	2170	2890	2490	1180	967	90	98	289	19
MIN	5.2	24	66	50	64	82	56	12	3.9	2.3	4.4	.56
CFSM	.81	1.95	2.50	5.21	6.27	6.98	3.93	1.85	.25	.23	.38	.07
IN.	.94	2.18	2.89	6.01	6.53	8.05	4.39	2.14	.28	.26	.44	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1994, BY WATER YEAR (WY)

	1993	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994
MEAN	36.0	105	181	271	335	428	226	84.7	34.0	13.0	28.6	18.3
MAX	63.0	151	193	403	484	540	304	143	49.0	17.5	29.3	31.0
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1993	1994	1994	1993
MIN	8.96	59.4	168	139	186	317	147	26.1	19.1	8.58	27.8	5.54
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1994	1993	1993	1994

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1993 - 1994	
ANNUAL TOTAL	40582.9		71021.82			
ANNUAL MEAN	111		195		146	
HIGHEST ANNUAL MEAN					195	
LOWEST ANNUAL MEAN					96.9	
HIGHEST DAILY MEAN	1370	Mar 4	2890	Feb 23	2890	Feb 23 1994
LOWEST DAILY MEAN	1.2	Aug 1	.56	Sep 30	.56	Sep 30 1994
ANNUAL SEVEN-DAY MINIMUM	1.5	Jul 26	1.1	Sep 24	1.1	Sep 24 1994
INSTANTANEOUS PEAK FLOW			5810	Feb 23	5810	Feb 23 1994
INSTANTANEOUS PEAK STAGE			12.77	Feb 23	12.77	Feb 23 1994
INSTANTANEOUS LOW FLOW			.50	Sep 30	.50	Sep 30 1994
ANNUAL RUNOFF (CFSM)	1.44		2.52		1.89	
ANNUAL RUNOFF (INCHES)	19.53		34.18		25.62	
10 PERCENT EXCEEDS	274		501		358	
50 PERCENT EXCEEDS	54		67		49	
90 PERCENT EXCEEDS	4.9		5.6		5.2	

KENTUCKY RIVER BASIN

03283500 RED RIVER AT CLAY CITY, KY

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

DRAINAGE AREA.--362 mi².

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

REVISED RECORDS.--WSP 1275: 1931-32. WSP 1365: Drainage area.

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

REMARKS.--Estimated daily discharges: Jan. 16-23, Feb. 26 to Mar. 3, and Apr. 15-18. Records good except for periods of estimated record, which are poor. Flow diversions by Clay City Water Plant which can be significant during low-flow periods. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	163	545	272	834	800	2140	641	84	46	55	30
2	49	195	423	335	612	1200	1530	482	76	38	45	35
3	41	166	358	608	548	1800	1200	411	67	33	40	34
4	39	148	1340	2650	472	2190	1090	621	62	43	36	27
5	36	142	4580	2280	429	1510	883	660	56	67	120	23
6	32	220	5460	1330	401	1060	927	535	53	40	390	21
7	29	301	1950	3440	353	897	1280	1900	51	30	239	23
8	27	204	1050	5820	390	3570	1100	4710	82	26	132	26
9	25	157	771	5250	3900	7980	934	4470	127	23	89	24
10	29	134	947	1340	6160	11300	980	1350	90	23	67	22
11	40	119	1110	931	5430	8450	1180	828	80	27	53	20
12	57	106	800	2190	5430	3170	1410	589	72	43	43	18
13	46	149	608	2270	4740	1470	1980	462	59	38	36	17
14	40	507	552	1630	2940	1320	1550	375	51	35	31	17
15	36	2140	744	1060	2010	1060	2100	593	46	208	39	16
16	41	1800	759	640	1570	840	4000	621	44	751	108	15
17	705	1630	628	490	1240	690	2300	449	40	360	75	47
18	1010	2780	539	400	1030	650	1500	346	45	171	49	100
19	523	1510	480	315	874	644	947	290	41	104	39	78
20	1380	948	418	280	760	544	716	253	36	79	44	47
21	1830	632	501	240	988	532	559	227	32	65	99	32
22	1050	445	478	200	1560	874	471	201	32	268	129	26
23	612	346	403	300	4640	857	417	177	35	347	93	23
24	384	287	363	612	5900	683	359	155	52	154	64	21
25	265	249	339	1700	2950	589	322	137	55	94	48	20
26	196	221	329	3950	2200	541	291	138	73	66	38	18
27	155	691	294	3220	1600	3620	286	144	77	68	32	17
28	128	2400	292	4000	1100	6990	348	140	132	156	29	17
29	109	1410	308	5290	---	7780	382	119	99	154	28	16
30	96	810	282	2240	---	3460	751	104	62	93	29	16
31	103	---	270	1170	---	1960	---	92	---	66	32	---
TOTAL	9174	21010	27921	56453	61061	79031	33933	22220	1911	3716	2351	846
MEAN	296	700	901	1821	2181	2549	1131	717	63.7	120	75.8	28.2
MAX	1830	2780	5460	5820	6160	11300	4000	4710	132	751	390	100
MIN	25	106	270	200	353	532	286	92	32	23	28	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1994, BY WATER YEAR (WY)

	88.4	281	631	776	1032	1071	838	495	263	264	187	111
MEAN	88.4	281	631	776	1032	1071	838	495	263	264	187	111
MAX	928	1220	3036	2634	3564	3048	2406	1914	1199	1845	1179	1185
(WY)	1990	1987	1979	1950	1989	1955	1972	1983	1950	1938	1938	1974
MIN	4.41	9.75	19.7	43.2	127	258	110	54.6	23.9	5.01	18.2	6.15
(WY)	1964	1954	1954	1931	1954	1969	1986	1941	1988	1944	1957	1984

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1931 - 1994

ANNUAL TOTAL	231178	319627	
ANNUAL MEAN	633	876	495
HIGHEST ANNUAL MEAN			884
LOWEST ANNUAL MEAN			158
HIGHEST DAILY MEAN	7470	Feb 22	11300
LOWEST DAILY MEAN	17	Jul 25	15
ANNUAL SEVEN-DAY MINIMUM	25	Jul 20	18
INSTANTANEOUS PEAK FLOW			11800
INSTANTANEOUS PEAK STAGE			19.29
INSTANTANEOUS LOW FLOW			14
10 PERCENT EXCEEDS	1590	2250	1180
50 PERCENT EXCEEDS	282	315	181
90 PERCENT EXCEEDS	43	32	22

KENTUCKY RIVER BASIN

03284000 KENTUCKY RIVER AT LOCK 10, NEAR WINCHESTER, KY

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

DRAINAGE AREA.--3,955 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 557.37 ft above sea level (Ohio River datum). Feb. 2, 1940 to Aug. 10, 1943, water-stage recorder 1.1 mi upstream at different datum. Aug. 11, 1943 to June 12, 1978, nonrecording gage at present site and datum. Auxiliary nonrecording gage at lock 9, at Valley View, 18.9 mi downstream, discontinued.

REMARKS.--Estimated daily discharges: Oct. 21 to Nov. 18, Dec. 12-29, Jan. 19-27, Feb. 12-18, Mar. 11-15, Apr. 12-20, May 7-11, and 24 to June 8. Records good above 1,000 ft³/s and fair below and for periods of estimated record. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section. Flow regulated since January 1976 by Carr Fork Lake (station 03277446), since December 1960 by Buckhorn Lake (station 03280800).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	1790	7420	5970	14700	11500	33600	11900	1800	1490	1800	580
2	1490	2290	5440	5810	12100	12700	25700	8650	1400	1150	1400	573
3	1210	2400	4240	6790	10400	22600	20200	7730	1000	995	1110	588
4	1020	2610	9020	17800	8480	30800	17000	8740	850	983	937	576
5	846	2610	33400	26800	6540	26000	14400	9040	810	872	2770	543
6	715	2370	43300	21500	5510	18700	12900	7740	890	862	5480	499
7	612	2140	43800	28600	5140	14900	15000	9370	990	716	5120	440
8	532	1790	27200	42600	5010	28900	16200	22400	1300	580	2580	402
9	484	1700	13100	45400	20900	49000	15500	33100	1720	462	1770	365
10	485	1600	12100	41400	37500	60200	14400	27900	1790	425	1380	316
11	488	1500	11800	19000	43500	61000	16800	15900	1790	397	1100	266
12	618	1400	12000	18900	46000	51000	30200	11000	1480	408	884	260
13	716	1400	11000	23100	48000	35000	34700	7750	1190	511	730	219
14	773	1700	9500	21700	43000	23000	27700	6070	1050	595	633	207
15	839	6400	8900	16700	33000	15000	29400	6170	993	841	593	217
16	972	10500	8100	12500	24000	13200	39200	6380	945	1810	585	202
17	2390	15000	8000	10400	18000	11700	41700	4980	885	3690	686	583
18	3230	18000	7900	9530	13000	10500	33900	4390	811	3160	696	955
19	2690	18800	7300	7870	11700	9800	19700	3650	713	2940	803	679
20	9590	10800	6970	6700	10500	9070	15200	3060	731	2020	832	643
21	14900	7890	6270	5000	12000	7950	12300	2730	864	1470	1310	701
22	10800	6220	6100	4100	20000	7990	10400	2410	998	1160	1630	679
23	6830	5040	5300	3700	41700	9470	9250	2340	953	1690	1890	598
24	4490	3970	4800	5400	45900	8440	8040	2200	963	2320	2310	485
25	3460	3280	4300	10500	47000	7510	5940	2000	1050	1960	1890	498
26	2780	2810	4000	29000	34300	8000	4240	1900	1190	1640	1380	439
27	2370	3890	3400	35000	17200	25000	3920	1800	1580	1730	1040	411
28	2140	12500	3300	41400	13300	45100	4200	1750	3140	1900	855	435
29	1870	16900	3350	40700	---	50200	4960	1700	2890	1710	773	418
30	1560	13300	5030	30500	---	52700	9790	1700	1980	1800	691	404
31	1460	---	5910	18700	---	47000	---	1800	---	1990	610	---
TOTAL	84020	182600	342250	613070	648380	783930	546440	238250	38746	44277	46268	14181
MEAN	2710	6087	11040	19780	23160	25290	18210	7685	1292	1428	1493	473
MAX	14900	18800	43800	45400	48000	61000	41700	33100	3140	3690	5480	955
MIN	484	1400	3300	3700	5010	7510	3920	1700	713	397	585	202

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994, BY WATER YEAR (WY)

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994						
MEAN	1633	3513	7514	8715	10380	12210	9622	6276	3058	1711	1570	1267																												
MAX	12850	10270	23400	25490	25060	27650	26100	19600	13380	4640	4916	6676																												
(WY)	1990	1987	1979	1974	1989	1975	1972	1984	1989	1992	1992	1974																												
MIN	177	372	416	446	2011	3125	1177	1031	265	292	258	175																												
(WY)	1970	1964	1966	1981	1968	1988	1986	1976	1988	1970	1986	1984																												

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR				FOR 1994 WATER YEAR				WATER YEARS 1961 - 1994																																
	1993	1994	1995	1996	1993	1994	1995	1996	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
ANNUAL TOTAL	2264885				3582412																																				
ANNUAL MEAN	6205				9815				5600																																
HIGHEST ANNUAL MEAN									9815																																
LOWEST ANNUAL MEAN									2228																																
HIGHEST DAILY MEAN	43800				Dec 7				61000				Mar 11				99100				Dec 10 1978																				
LOWEST DAILY MEAN	373				Sep 15				202				Sep 16				116				Oct 20 1980																				
ANNUAL SEVEN-DAY MINIMUM	552				Sep 10				241				Sep 10				122				Oct 16 1980																				
INSTANTANEOUS PEAK FLOW									61800				Mar 11				101000				Dec 10 1978																				
INSTANTANEOUS PEAK STAGE									26.28				Mar 11				40.15				Dec 10 1978																				
10 PERCENT EXCEEDS	15800				30300				14200																																
50 PERCENT EXCEEDS	3090				4000				2400																																
90 PERCENT EXCEEDS	718				594				342																																

KENTUCKY RIVER BASIN

03285000 DIX RIVER NEAR DANVILLE, KY

LOCATION.--Lat 37°38'31", long 84°39'39", Garrard County, Hydrologic Unit 05100205, on right bank 50 ft downstream from bridge on State Highway 52, 1.4 mi downstream from Hanging Fork, 6 mi east of Danville, and at mile 34.6.

DRAINAGE AREA.--318 mi².

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

REVISED RECORDS.--WSP 1555: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft above sea level. Prior to Dec. 16, 1942, nonrecording gage at same site and datum. May to August 1905, nonrecording gage at site 6 mi downstream at different datum. Auxiliary nonrecording gage at site 2 mi downstream from base gage read during periods of possible backwater.

REMARKS.--Estimated daily discharges: Nov. 1, 2, 6 to Dec. 1, 28, 29, Jan. 14-24, Feb. 11, 12, Mar. 2, 8-10, Apr. 10-12, 14, 15, and 28. Records fair except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	150	300	287	607	435	1660	653	32	25	65	11
2	4.7	76	237	364	465	900	982	386	27	17	37	11
3	6.0	56	216	903	412	2390	740	287	23	13	23	13
4	5.9	49	2430	2410	346	2160	742	497	22	11	18	13
5	4.1	45	6680	1260	306	1350	595	430	19	8.3	495	12
6	3.2	240	2270	863	282	873	601	316	17	7.2	622	12
7	2.9	150	974	4500	240	667	1280	1280	17	6.4	217	12
8	2.5	120	666	3280	226	5800	845	2000	45	9.9	111	11
9	2.2	110	501	1180	4010	16400	630	945	215	9.5	69	9.5
10	2.0	90	893	750	3430	17800	860	547	228	7.5	46	8.4
11	2.0	79	1250	593	5400	4620	1100	380	111	6.4	34	7.3
12	4.0	68	725	2120	4400	2350	3000	282	66	6.0	26	6.5
13	3.2	60	537	1410	3690	1490	1880	226	44	6.0	21	6.4
14	5.4	240	460	800	1890	1030	1100	183	32	6.2	17	6.2
15	6.9	1900	561	600	1210	818	1400	612	25	12	15	6.1
16	11	1600	760	430	885	602	6160	754	21	276	12	6.0
17	520	1500	580	340	681	469	1770	393	18	67	12	5.8
18	560	2500	481	270	544	414	905	260	16	54	11	8.4
19	240	1500	410	220	447	371	650	203	13	35	11	105
20	1000	920	352	180	391	306	490	167	11	24	12	53
21	630	600	420	150	966	293	400	138	9.7	17	24	28
22	330	430	350	130	1340	639	316	116	8.5	15	189	16
23	210	320	310	300	9530	428	260	98	8.3	37	146	11
24	160	250	318	730	4270	316	224	83	8.5	43	70	8.0
25	120	190	293	2720	1470	269	190	67	9.9	25	44	6.4
26	93	150	263	3110	874	230	172	64	13	17	30	6.2
27	73	350	242	2340	619	4690	160	76	46	26	23	6.2
28	59	2500	230	5680	496	7210	180	68	74	128	18	6.2
29	50	1000	240	2420	---	2870	238	55	61	79	15	12
30	45	500	260	1170	---	1350	773	47	42	259	13	11
31	43	---	302	807	---	1840	---	39	---	140	12	---
TOTAL	4203.7	17743	24511	42317	49427	81380	30303	11652	1282.9	1393.4	2458	434.6
MEAN	136	591	791	1365	1765	2625	1010	376	42.8	44.9	79.3	14.5
MAX	1000	2500	6680	5680	9530	17800	6160	2000	228	276	622	105
MIN	2.0	45	216	130	226	230	160	39	8.3	6.0	11	5.8
CFSM	.43	1.86	2.49	4.29	5.55	8.26	3.18	1.18	.13	.14	.25	.05
IN.	.49	2.08	2.87	4.95	5.78	9.52	3.54	1.36	.15	.16	.29	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1994, BY WATER YEAR (WY)

MEAN	101	312	690	788	1011	995	684	438	238	153	95.1	163
MAX	1323	1471	3656	3140	4129	2625	2736	2618	933	926	527	3430
(WY)	1980	1987	1979	1950	1989	1984	1972	1983	1981	1958	1958	1979
MIN	.000	.030	.69	17.0	72.1	174	57.1	51.8	8.83	.31	.93	.013
(WY)	1953	1954	1954	1981	1954	1983	1986	1976	1988	1944	1952	1953

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1943 - 1994
ANNUAL TOTAL	142660.4	267105.6	
ANNUAL MEAN	391	732	470
HIGHEST ANNUAL MEAN			1184
LOWEST ANNUAL MEAN			119
HIGHEST DAILY MEAN	6680	Dec 5	27100
LOWEST DAILY MEAN	2.0	Oct 10	
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 6	.00
INSTANTANEOUS PEAK FLOW			44400
INSTANTANEOUS PEAK STAGE			21.81
ANNUAL RUNOFF (CFSM)	1.23	14.95	2.30
ANNUAL RUNOFF (INCHES)	16.69	31.25	20.07
10 PERCENT EXCEEDS	935	1880	1070
50 PERCENT EXCEEDS	155	228	121
90 PERCENT EXCEEDS	6.0	8.4	2.7

KENTUCKY RIVER BASIN

03285200 CLARKS RUN NEAR DANVILLE, KY

LOCATION.--Lat 37°38'31", long 84°43'17", Boyle County, Hydrologic Unit 05100205, on downstream side of bridge on County Highway 1805, 0.4 mi north of State Highway 52, 1.8 mi southeast of Danville, and 2.2 mi upstream from mouth.

DRAINAGE AREA.--26.4 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 803.09 above sea level.

REMARKS.--No estimated daily discharges. Records fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	11	13	26	21	75	62	15	7.4	3.4	3.0	4.0
2	3.6	20	12	22	17	74	46	13	5.7	3.4	11	4.0
3	2.7	8.9	11	21	16	112	34	13	5.1	3.1	5.4	24
4	3.2	6.2	11	92	15	377	27	44	31	2.5	3.9	26
5	6.2	18	10	190	14	201	30	19	17	2.3	4.0	9.6
6	5.0	14	9.1	84	14	130	33	14	8.9	2.4	12	6.8
7	3.6	8.2	9.3	60	14	96	26	13	7.0	2.2	7.3	6.2
8	3.5	7.0	9.2	58	13	78	24	11	5.8	2.1	4.8	6.1
9	9.6	5.9	9.0	48	12	56	53	13	4.7	2.0	3.8	5.7
10	4.8	5.2	25	43	12	50	104	8.7	8.4	1.8	3.5	5.3
11	3.9	5.1	41	51	12	39	74	7.9	44	1.9	15	4.5
12	4.4	36	26	99	32	34	58	11	162	2.6	10	3.9
13	4.0	32	23	113	22	34	51	11	57	2.8	28	4.0
14	4.5	17	21	79	21	31	45	8.6	54	11	12	4.0
15	4.9	13	18	62	21	32	39	7.3	180	30	7.9	6.2
16	5.9	12	17	53	184	48	38	7.2	45	21	8.2	8.5
17	6.8	11	42	42	97	227	37	8.3	29	22	7.1	6.3
18	6.2	10	31	31	63	111	27	15	20	120	6.8	5.4
19	5.8	9.7	26	27	52	83	26	14	16	47	5.8	4.9
20	6.0	11	103	24	46	71	24	8.9	14	18	5.4	4.7
21	4.5	12	61	77	880	63	31	8.2	13	11	5.1	4.6
22	3.7	21	46	58	232	55	31	6.9	12	8.2	5.3	4.2
23	3.6	23	45	46	114	268	25	5.0	9.7	6.4	5.0	5.0
24	4.7	38	34	57	78	140	24	5.3	7.1	6.4	7.2	5.8
25	4.8	58	32	49	63	85	26	5.8	5.2	8.1	9.1	12
26	6.4	35	29	42	67	68	51	6.6	5.2	5.2	5.1	10
27	8.5	27	24	37	62	52	26	4.3	3.9	5.1	4.6	6.9
28	7.8	22	29	31	73	46	21	4.8	3.2	4.3	4.7	6.2
29	6.3	17	28	26	---	38	18	3.1	3.6	4.0	3.8	5.5
30	8.3	15	26	23	---	32	16	3.3	4.0	3.4	3.9	4.6
31	10	---	26	21	---	38	---	8.4	---	3.3	3.8	---
TOTAL	167.4	529.2	846.6	1692	2267	2844	1127	324.6	788.9	366.9	222.5	214.9
MEAN	5.40	17.6	27.3	54.6	81.0	91.7	37.6	10.5	26.3	11.8	7.18	7.16
MAX	10	58	103	190	880	377	104	44	180	120	28	26
MIN	2.7	5.1	9.0	21	12	31	16	3.1	3.2	1.8	3.0	3.9

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

	5.40	17.6	27.3	54.6	81.0	91.7	37.6	10.5	26.3	11.8	7.18	7.16
MEAN	5.40	17.6	27.3	54.6	81.0	91.7	37.6	10.5	26.3	11.8	7.18	7.16
MAX	5.40	17.6	27.3	54.6	81.0	91.7	37.6	10.5	26.3	11.8	7.18	7.16
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993
MIN	5.40	17.6	27.3	54.6	81.0	91.7	37.6	10.5	26.3	11.8	7.18	7.16
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993

SUMMARY STATISTICS

FOR 1993 WATER YEAR

ANNUAL TOTAL	11391.0
ANNUAL MEAN	31.2
HIGHEST DAILY MEAN	880 Feb 21
LOWEST DAILY MEAN	1.8 Jul 10
ANNUAL SEVEN-DAY MINIMUM	2.1 Jul 5
INSTANTANEOUS PEAK FLOW	2980 Feb 21
INSTANTANEOUS PEAK STAGE	6.15 Feb 21
INSTANTANEOUS LOW FLOW	.83 Jul 12
10 PERCENT EXCEEDS	67
50 PERCENT EXCEEDS	13
90 PERCENT EXCEEDS	4.0

KENTUCKY RIVER BASIN

03285200 CLARKS RUN NEAR DANVILLE, KY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	8.6	28	25	55	63	101	108	9.7	6.0	11	4.5
2	3.4	7.6	23	48	42	134	81	80	8.9	5.2	8.7	5.7
3	3.5	7.1	24	119	35	150	73	55	11	4.8	5.9	5.2
4	3.5	6.7	316	146	32	137	62	57	7.1	4.7	68	3.9
5	3.5	7.0	283	89	30	100	52	46	6.2	4.5	246	3.9
6	3.0	6.8	114	97	26	80	59	44	6.3	4.4	47	4.8
7	3.1	6.3	72	537	22	76	63	187	7.2	3.9	27	4.6
8	3.0	6.1	53	141	25	639	55	149	8.1	3.6	20	4.0
9	3.4	6.1	42	81	457	2570	49	87	198	4.5	15	2.2
10	8.5	6.6	90	58	159	601	84	62	31	3.3	10	1.9
11	5.2	6.0	68	52	440	197	210	45	16	3.1	9.7	2.5
12	5.5	5.7	52	150	292	127	143	37	9.8	3.2	10	2.8
13	4.8	19	42	88	272	98	92	33	7.6	12	6.6	4.1
14	5.4	89	41	72	137	96	67	31	6.8	31	6.5	4.0
15	5.1	147	62	55	98	71	542	131	5.7	20	7.5	3.8
16	15	51	59	54	71	58	282	73	4.3	22	5.1	4.1
17	91	115	51	38	56	48	126	48	5.2	16	4.6	16
18	24	72	45	33	47	49	86	39	5.2	14	4.4	12
19	46	44	38	30	40	41	66	33	3.9	12	4.2	7.0
20	157	31	35	27	45	37	51	31	3.3	11	3.8	5.0
21	32	24	42	25	115	39	43	27	5.2	12	117	4.4
22	19	19	34	23	321	35	39	22	3.7	38	22	3.8
23	14	17	32	26	870	32	35	21	6.0	40	15	3.5
24	12	16	29	168	166	30	33	19	9.1	19	12	2.9
25	11	15	28	268	110	28	32	17	7.4	15	10	2.6
26	9.1	15	26	166	83	26	26	22	25	14	10	3.0
27	8.1	159	24	315	69	827	54	18	33	145	9.0	6.8
28	7.8	77	28	641	61	570	33	15	11	24	4.8	5.6
29	7.6	46	27	177	---	166	80	12	8.1	17	7.6	4.1
30	8.3	35	29	105	---	105	93	11	6.1	15	6.0	3.2
31	11	---	26	74	---	149	---	11	---	11	4.7	---
TOTAL	536.7	1071.6	1863	3928	4176	7379	2812	1551	475.9	539.2	739.1	141.9
MEAN	17.3	35.7	60.1	127	149	238	93.7	50.0	15.9	17.4	23.8	4.73
MAX	157	159	316	641	870	2570	542	187	198	145	246	16
MIN	2.9	5.7	23	23	22	26	26	11	3.3	3.1	3.8	1.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1994, BY WATER YEAR (WY)

	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994
MEAN	11.4	26.7	43.7	90.6	115	165	65.6	30.3	21.1	14.6	15.5	5.95
MAX	17.3	35.7	60.1	127	149	238	93.7	50.0	26.3	17.4	23.8	7.16
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1993	1994	1994	1993
MIN	5.40	17.6	27.3	54.6	81.0	91.7	37.6	10.5	15.9	11.8	7.18	4.73
(WY)	1993	1993	1993	1993	1993	1993	1993	1993	1994	1993	1993	1994

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1993 - 1994

ANNUAL TOTAL	13319.1	25213.4		
ANNUAL MEAN	36.5	69.1		
HIGHEST ANNUAL MEAN			50.1	1994
LOWEST ANNUAL MEAN			31.2	1993
HIGHEST DAILY MEAN	880	Feb 21	2570	Mar 9 1994
LOWEST DAILY MEAN	1.8	Jul 10	1.9	Sep 10 1993
ANNUAL SEVEN-DAY MINIMUM	2.1	Jul 5	3.0	Sep 9 1993
INSTANTANEOUS PEAK FLOW			4120	Mar 9 1994
INSTANTANEOUS PEAK STAGE			7.13	Mar 9 1994
INSTANTANEOUS LOW FLOW			1.9	Sep 10 1994
10 PERCENT EXCEEDS	78		148	105
50 PERCENT EXCEEDS	17		27	20
90 PERCENT EXCEEDS	3.9		4.2	4.0

KENTUCKY RIVER BASIN

03287000 KENTUCKY RIVER AT LOCK 6, NEAR SALVISA, KY

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

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

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

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

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

REMARKS.--Estimated daily discharges: Jan. 8-18, 25 to Feb. 16, Mar. 8-14, and July 16 to Sept. 30. Records good above 1000 ft³/s and fair below and for periods of estimated record. Flow regulated since November 1925 by Herrington Lake, since December 1960 by Buckhorn Lake, since January 1976 by Carr Fork Lake, and by hydroelectric plant at lock 7. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3210	1760	10200	6670	17000	14600	51300	12800	2150	1770	2000	540
2	2190	1950	7610	6160	14000	13500	34900	12200	1850	1490	1800	560
3	1570	2080	5870	7380	12000	18400	25400	9810	1190	1000	1400	480
4	1100	2860	6250	12100	10000	28600	20400	9220	1080	789	860	490
5	911	2780	24900	23300	8300	32100	17500	9230	957	601	2000	500
6	637	2730	38900	26800	7100	25600	15300	8720	962	649	4600	470
7	795	2670	43100	30300	6500	19300	15800	8190	1150	817	5500	510
8	515	2600	39800	40000	6300	18000	17500	18900	1210	769	4900	410
9	416	2390	22500	44000	15000	50000	17700	29200	1560	673	2900	390
10	699	2140	15000	45000	26000	70000	16700	32500	1750	638	1800	390
11	619	1810	16200	31000	37000	71000	17400	23000	1530	570	1400	330
12	499	1670	14400	20000	43000	89000	25900	14700	1850	500	1100	290
13	559	1640	12700	19000	51000	53000	35000	10800	1380	584	870	310
14	619	1670	11300	24200	52000	35000	32800	7440	1360	896	720	330
15	558	8080	10500	19000	41000	19700	28000	6440	1250	563	620	420
16	634	13200	10300	14000	29000	16600	46700	7510	1430	1000	550	900
17	1050	12800	9720	11000	21100	14500	47300	6650	1320	1500	500	1200
18	2770	17100	9480	12000	16500	13100	42900	5370	1120	2500	400	1300
19	3880	21000	9030	10700	14900	12000	29500	4620	836	2400	550	840
20	5110	17500	7840	9490	13500	11300	18700	3900	564	2200	900	1700
21	12800	10700	6590	7690	13300	10600	14700	3220	901	1500	1500	1600
22	13400	7960	7120	5760	17100	9610	12600	2830	893	1200	2100	1550
23	10000	6610	6640	4380	38700	10000	11500	2790	1450	1100	2000	1500
24	6580	5420	5770	4550	53300	10700	10400	2980	1090	1150	1800	1400
25	4650	4210	5310	11000	58000	9860	9190	2550	888	1750	1850	740
26	3690	3490	5060	30000	52100	9230	7330	2160	796	1800	1750	400
27	3160	4080	4990	39000	29800	18000	5830	1750	974	1600	1500	350
28	2430	8230	4430	48000	17500	44600	5630	1680	1580	1700	950	360
29	1950	15000	4420	49000	---	56400	5520	1600	2680	2000	810	340
30	2080	14700	4560	35000	---	56800	7220	1870	2610	2200	730	310
31	1990	---	5480	25000	---	57800	---	2110	---	2100	670	---
TOTAL	91071	200830	385970	671480	721000	898900	646620	266740	40361	40099	51130	20910
MEAN	2938	6694	12450	21660	25750	29000	21550	8605	1345	1291	1649	697
MAX	13400	21000	43100	49000	58000	71000	51300	32500	2680	2500	5500	1700
MIN	416	1640	4420	4380	6300	9230	5520	1600	564	500	400	290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994, BY WATER YEAR (WY)

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994		
MEAN	2033	4290	9508	10920	12860	15150	11900	7831	3906	2088	2024	1783																								
MAX	13680	12450	31030	31910	34850	33640	35920	26910	14700	5406	6238	10850																								
(WY)	1990	1987	1979	1974	1989	1975	1972	1983	1989	1992	1992	1974																								
MIN	312	493	525	502	2655	3769	1491	1127	362	533	277	229																								
(WY)	1981	1988	1966	1981	1968	1983	1986	1976	1988	1970	1986	1984																								

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1961 - 1994
ANNUAL TOTAL	2591669	4035021	
ANNUAL MEAN	7100	11050	6997
HIGHEST ANNUAL MEAN			11050
LOWEST ANNUAL MEAN			2826
HIGHEST DAILY MEAN	48000	71000	125000
LOWEST DAILY MEAN	226	290	83
ANNUAL SEVEN-DAY MINIMUM	428	350	112
INSTANTANEOUS PEAK FLOW		>71000	130000
INSTANTANEOUS PEAK STAGE		>25.63	49.04
10 PERCENT EXCEEDS	17700	32600	17800
50 PERCENT EXCEEDS	3970	4990	3040
90 PERCENT EXCEEDS	604	619	486

> greater than

KENTUCKY RIVER BASIN

03287500 KENTUCKY RIVER AT LOCK 4, AT FRANKFORT, KY

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

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

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

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

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

REMARKS.--Estimated daily discharges: Oct. 1-6, Nov. 6, Jan. 9, 13-23, Mar. 8, 9, July 6-16, and Aug. 13-19. Record good above 1,000 ft³/s except for period of estimated record, which is fair. Records poor below 1,000 ft³/s. Flow regulated since November 1925 by Herrington Lake, since December 1960 by Buckhorn Lake, since January 1976 by Carr Fork Lake, and by hydroelectric plant at lock 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3300	1810	11000	6220	19000	15000	51500	12000	2000	2060	2090	564
2	2500	1900	7860	5810	15200	14000	36300	12600	1820	1580	2050	513
3	1900	1990	6170	7110	12900	18900	28400	9930	1210	1070	1510	488
4	1300	2590	8320	11600	11200	29400	22100	9140	992	990	1000	486
5	980	2720	29000	23600	9480	32900	18600	9010	922	962	1380	517
6	760	2600	37900	28000	7930	27500	16400	8690	916	810	3810	484
7	810	2490	42000	33700	7070	20300	17200	11300	1040	730	5770	524
8	674	2440	38800	39500	7160	19000	18200	22000	1120	750	5440	437
9	439	2270	25000	46200	13800	51400	18500	30300	1430	680	3400	419
10	634	2100	15600	47000	33900	82800	17700	33500	1760	620	2220	399
11	719	1800	16800	34900	39500	76700	19200	25400	1730	570	1710	355
12	555	1690	14700	20500	49700	73800	27500	15500	1880	530	1210	337
13	571	2990	12700	19000	55000	66700	34700	11200	1540	510	950	307
14	626	3810	11300	25000	57000	43200	33700	7780	1370	630	820	346
15	627	10400	10500	21000	53700	23000	30600	6910	1160	550	700	285
16	708	13700	10200	17000	36600	17700	45300	8140	1460	1100	580	1070
17	943	20800	9590	12000	23300	15200	47200	6990	1290	1170	560	1300
18	2250	19600	9260	14000	17900	13600	42600	5460	1180	2490	440	1360
19	3760	22800	8810	12000	15300	12300	31900	4580	961	2470	510	872
20	7250	18900	7800	9700	13900	11500	20100	3880	924	2340	853	1750
21	11800	11100	6570	8200	13200	10800	15600	3190	937	1660	1630	1790
22	14100	8170	6780	6400	16500	9900	12800	2750	953	1220	2030	1750
23	10400	6820	6820	5000	41600	9940	11500	2530	1530	1050	2010	1700
24	6900	5650	5560	4680	52200	10800	10400	2830	1310	1060	1950	1750
25	4730	4250	5020	10900	55100	10000	9210	2400	990	1830	2150	787
26	3610	3510	4730	27400	51100	9320	7450	2290	947	1920	1970	445
27	3120	4830	4550	36800	32600	21600	6350	1810	1060	1750	1740	379
28	2360	8530	4080	50500	18600	45000	5630	1680	1670	1870	990	399
29	1980	15100	4100	47900	---	54900	7430	1590	2650	2120	844	361
30	1910	18000	3900	39900	---	57800	8040	1680	2900	2350	817	318
31	2000	---	4810	31400	---	58500	---	1980	---	2270	712	---
TOTAL	94214	223360	390230	702920	780440	963460	672110	279040	41652	41712	53846	22492
MEAN	3039	7445	12590	22670	27870	31080	22400	9001	1388	1346	1737	750
MAX	14100	22800	42000	50500	57000	82800	51500	33500	2900	2490	5770	1790
MIN	439	1690	3900	4680	7070	9320	5630	1590	916	510	440	285

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1994, BY WATER YEAR (WY)

MEAN	2151	4600	10030	11440	13420	15920	12360	8182	4093	2243	2166	1908
MAX	13240	13700	33220	33500	35680	34760	36690	28200	14000	6039	6433	10980
(WY)	1990	1987	1979	1974	1989	1975	1972	1983	1989	1992	1992	1974
MIN	289	542	566	540	2885	4175	1518	1142	417	568	336	269
(WY)	1981	1966	1966	1981	1968	1983	1986	1976	1988	1970	1986	1984

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1961 - 1994

ANNUAL TOTAL	2646867		4265476				
ANNUAL MEAN	7252		11690				
HIGHEST ANNUAL MEAN					7347		
LOWEST ANNUAL MEAN					11860		
HIGHEST DAILY MEAN	49300	Feb 22	82800	Mar 10	116000	Dec 10 1978	
LOWEST DAILY MEAN	369	Jul 12	285	Sep 15	93	Jul 10 1988	
ANNUAL SEVEN-DAY MINIMUM	550	Jul 9	350	Sep 9	128	Jul 4 1988	
INSTANTANEOUS PEAK FLOW			86800	Mar 10	118000	Dec 9 1978	
INSTANTANEOUS PEAK STAGE			36.39	Mar 11	48.47	Dec 10 1978	
10 PERCENT EXCEEDS	17200		34800		18200		
50 PERCENT EXCEEDS	3900		4830		3320		
90 PERCENT EXCEEDS	723		658		531		

KENTUCKY RIVER BASIN

03288000 NORTH ELKBORN CREEK NEAR GEORGETOWN, KY

LOCATION.--Lat 38°12'20", long 84°30'49", Scott County, Hydrologic Unit 05100205, on left bank at upstream side of bridge on Crumbaugh Lane, 1.7 mi downstream from Miller Run, 2.5 mi east of Georgetown, 2.7 mi upstream from Lanes Run at mile 58.3.

DRAINAGE AREA.--119 mi², of which about 8 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1949 to August 1984; October 1988 to current year. Monthly discharge only October 1949 to March 1950, published in WSP 1305.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 796.49 ft above sea level. Prior to Sept. 18, 1952, nonrecording gage and crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Dec. 23 to Jan. 1, 16-23, May 28 to June 6, and 10 to July 7. Records good except for periods of estimated record, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality section.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1948 reached a stage of about 22 ft, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	32	191	70	311	162	384	332	30	12	28	12
2	5.4	32	152	78	239	157	292	229	27	8.0	19	8.4
3	5.4	29	145	139	196	211	242	172	25	6.0	14	6.4
4	5.0	26	531	295	159	231	226	167	29	5.0	12	5.2
5	4.3	25	1230	284	139	211	187	139	34	4.0	17	5.9
6	4.2	25	645	246	121	175	245	114	42	4.1	21	8.2
7	4.2	24	402	1720	104	153	697	972	47	6.6	23	13
8	4.2	23	293	1090	217	279	435	2550	58	4.7	14	15
9	4.1	21	226	538	1100	1240	313	789	94	4.2	9.5	8.9
10	4.0	19	225	352	851	4120	287	422	63	3.5	7.5	8.1
11	4.0	18	283	265	591	1880	366	275	49	2.6	6.3	6.0
12	4.1	17	222	255	735	1220	716	202	38	3.2	5.6	4.8
13	4.0	129	189	277	981	805	557	145	27	4.7	5.1	4.0
14	4.0	730	178	243	712	614	351	112	23	4.6	4.7	3.2
15	4.0	1580	255	186	569	444	495	208	19	5.6	4.8	2.6
16	4.0	660	253	110	410	323	1660	521	16	23	3.8	2.4
17	4.1	1800	226	102	299	251	703	289	14	17	4.5	2.7
18	4.7	1420	204	90	240	220	409	191	12	12	5.4	2.6
19	12	583	180	80	200	194	281	136	11	20	6.1	2.2
20	467	365	156	70	171	154	208	106	13	17	5.1	2.0
21	414	248	153	62	171	146	159	85	15	10	190	1.9
22	178	185	136	66	179	145	133	71	16	10	181	1.8
23	105	143	112	115	2220	120	109	60	12	19	58	1.7
24	75	118	106	175	956	113	94	53	10	22	33	1.9
25	60	100	97	908	520	115	82	46	15	15	22	2.4
26	50	89	90	1780	337	100	73	43	40	19	16	2.2
27	40	499	82	1560	243	1020	80	54	100	40	12	2.2
28	35	668	76	2770	196	2070	110	48	60	26	9.3	2.3
29	31	374	70	1200	---	1090	257	43	38	27	9.4	2.8
30	28	253	66	654	---	576	409	37	20	85	9.6	4.0
31	30	---	63	451	---	432	---	33	---	53	17	---
TOTAL	1604.5	10235	7237	16231	13167	18971	10560	8644	997	493.8	773.7	146.8
MEAN	51.8	341	233	524	470	612	352	279	33.2	15.9	25.0	4.89
MAX	467	1800	1230	2770	2220	4120	1660	2550	100	85	190	15
MIN	4.0	17	63	62	104	100	73	33	10	2.6	3.8	1.7
CFSM	.43	2.87	1.96	4.40	3.95	5.14	2.96	2.34	.28	.13	.21	.04
IN.	.50	3.20	2.26	5.07	4.12	5.93	3.30	2.70	.31	.15	.24	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1994, BY WATER YEAR (WY)

	1950	1954	1958	1962	1966	1970	1974	1978	1982	1986	1990	1994
MEAN	34.8	89.6	257	283	350	386	239	168	88.5	57.0	49.2	45.2
MAX	312	347	1028	798	1169	995	746	881	502	371	375	702
(WY)	1976	1980	1979	1951	1989	1964	1972	1983	1974	1991	1974	1979
MIN	.000	.000	.28	11.5	24.8	39.8	45.6	14.3	4.41	1.59	.41	.000
(WY)	1954	1954	1954	1981	1954	1983	1955	1976	1954	1951	1983	1953

SUMMARY STATISTICS

	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1950 - 1994	
ANNUAL TOTAL	65655.3		89060.8			
ANNUAL MEAN	180		244		169	
HIGHEST ANNUAL MEAN					319	
LOWEST ANNUAL MEAN					28.0	
HIGHEST DAILY MEAN	3350	Feb 22	4120	Mar 10	7860	Dec 9 1978
LOWEST DAILY MEAN	4.0	Oct 10	1.7	Sep 23	.00	Sep 11 1951
ANNUAL SEVEN-DAY MINIMUM	4.0	Oct 10	2.0	Sep 19	.00	Sep 11 1951
INSTANTANEOUS PEAK FLOW			4400	Mar 10	8730	Dec 9 1978
INSTANTANEOUS PEAK STAGE			13.88	Mar 10	20.22	Dec 9 1978
ANNUAL RUNOFF (CFSM)	1.51		2.05		1.42	
ANNUAL RUNOFF (INCHES)	20.52		27.84		19.33	
10 PERCENT EXCEEDS	437		656		419	
50 PERCENT EXCEEDS	75		89		47	
90 PERCENT EXCEEDS	6.4		4.2		3.2	

KENTUCKY RIVER BASIN

03288100 NORTH ELKHORN CREEK AT GEORGETOWN, KY

LOCATION.--Lat 38°13'10", long 84°33'47", Scott County, Hydrologic Unit 05100205, on right bank, 300 ft downstream of bridge on Highway 25, 0.2 mi upstream from railroad bridge, 0.7 mi downstream from Dry Run, and at mile 33.4.

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

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

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 800 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 1-11, 1992; Feb. 18-20, May 13, 14, July 15-19, Oct. 21, 22, 25, Nov. 4-7, 11, 19, 30, Dec. 1, 22, 23, 28-31, 1993; Jan. 1, 8-10, 12-23, Mar. 8-10, Apr. 8-10, and May 1, 1994. Records fair except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality section.

DISCHARGE, CUBIC FEET PER SECOND, FOR THE PERIOD DECEMBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	170	188	121	226	339	130	21	54	8.4	12
2	---	---	150	176	102	301	294	104	17	59	46	15
3	---	---	140	172	86	711	233	90	17	76	36	17
4	---	---	130	180	78	2190	198	108	81	56	17	73
5	---	---	120	931	73	1890	175	201	1250	37	18	76
6	---	---	110	685	68	911	166	122	423	27	19	38
7	---	---	100	475	63	624	147	85	250	20	20	25
8	---	---	94	353	60	665	131	70	182	16	18	18
9	---	---	120	275	58	525	142	62	106	15	16	15
10	---	---	200	217	56	728	329	56	78	14	13	13
11	---	---	290	218	59	564	235	51	172	13	14	11
12	---	---	277	462	75	433	181	52	469	15	174	9.9
13	---	---	247	686	87	352	157	50	339	17	2800	8.0
14	---	---	222	597	81	285	151	55	240	30	674	8.2
15	---	---	202	456	78	244	167	48	921	60	298	11
16	---	---	185	339	241	242	325	39	485	200	160	11
17	---	---	178	262	590	691	217	36	260	110	107	22
18	---	---	188	199	400	684	173	51	165	80	80	19
19	---	---	170	156	300	475	150	102	113	60	62	13
20	---	---	345	130	250	370	135	94	87	44	47	9.4
21	---	---	448	331	2820	322	151	64	90	31	35	9.7
22	---	---	370	502	4250	270	128	55	67	25	28	10
23	---	---	319	372	987	610	111	50	54	21	25	11
24	---	---	272	369	623	891	132	45	47	18	24	13
25	---	---	232	367	471	585	237	39	40	15	22	8.8
26	---	---	209	299	385	439	768	34	34	16	20	12
27	---	---	188	261	306	335	471	30	33	30	13	9.1
28	---	---	183	217	253	275	304	28	84	23	11	11
29	---	---	202	178	---	229	221	27	127	18	11	10
30	---	---	198	146	---	193	166	26	71	14	12	8.3
31	---	---	191	128	---	172	---	27	---	10	10	---
TOTAL	---	---	6450	10327	13021	17432	6734	2031	6323	1224	4838.4	527.4
MEAN	---	---	208	333	465	562	224	65.5	211	39.5	156	17.6
MAX	---	---	448	931	4250	2190	768	201	1250	200	2800	76
MIN	---	---	94	128	56	172	111	26	17	10	8.4	8.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1993, BY WATER YEAR (WY)

	1992	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993	
MEAN	---	---	208	333	465	562	224	65.5	211	39.5	156	17.6
MAX	---	---	208	333	465	562	224	65.5	211	39.5	156	17.6
(WY)	---	---	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993
MIN	---	---	208	333	465	562	224	65.5	211	39.5	156	17.6
(WY)	---	---	1993	1993	1993	1993	1993	1993	1993	1993	1993	1993

SUMMARY STATISTICS

WATER YEARS 1992 - 1993

HIGHEST DAILY MEAN	4250	Feb 22 1993
LOWEST DAILY MEAN	8.0	Sep 13 1993
ANNUAL SEVEN-DAY MINIMUM	10	Sep 10 1993
INSTANTANEOUS PEAK FLOW	6150	Feb 21 1993
INSTANTANEOUS PEAK STAGE	6.24	Feb 21 1993
10 PERCENT EXCEEDS	480	
50 PERCENT EXCEEDS	121	
90 PERCENT EXCEEDS	14	

KENTUCKY RIVER BASIN

03288100 NORTH ELKBORN CREEK AT GEORGETOWN, KY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	28	220	72	391	213	454	450	25	19	40	16
2	7.2	29	184	78	297	211	346	308	23	15	24	12
3	10	27	178	153	240	272	286	227	21	8.3	17	10
4	7.9	28	652	329	194	290	263	213	19	6.1	18	8.4
5	7.5	31	1310	355	168	269	215	175	17	5.9	57	9.7
6	7.4	33	747	283	144	224	289	141	17	5.8	45	17
7	7.0	35	487	1820	119	201	745	933	18	7.2	39	13
8	7.2	34	348	1200	260	400	500	2570	24	5.7	25	17
9	7.9	33	263	700	1180	1500	400	867	48	5.0	16	15
10	9.5	31	253	440	954	4400	360	520	32	4.8	12	12
11	8.1	30	319	323	625	1930	448	350	18	4.7	10	11
12	7.9	30	249	300	774	1170	747	252	14	4.7	8.6	9.1
13	8.3	159	208	330	1030	826	647	184	11	4.7	7.6	6.9
14	11	813	203	270	788	659	449	143	11	5.7	6.5	7.1
15	8.0	1580	299	220	609	512	643	276	9.8	5.4	7.3	6.7
16	7.3	751	294	170	470	387	1580	608	9.2	12	5.9	5.6
17	13	2370	260	140	358	297	786	374	7.3	16	6.5	5.9
18	15	1530	231	120	289	261	505	240	5.8	13	8.0	6.1
19	16	700	205	100	239	226	355	173	6.9	13	8.8	5.6
20	609	466	173	90	205	177	259	135	8.9	20	8.7	5.0
21	640	317	170	80	203	164	197	105	11	18	121	4.7
22	250	235	150	100	231	161	161	84	14	12	235	4.5
23	147	180	130	130	2630	134	130	71	15	13	71	4.7
24	93	144	116	243	1120	128	105	62	6.6	19	40	5.0
25	70	116	111	836	630	127	89	52	9.5	22	28	5.9
26	57	99	106	2100	432	106	79	50	14	35	22	6.2
27	45	578	93	2200	310	1030	107	59	25	41	18	6.2
28	35	758	84	3680	250	2040	131	50	79	40	12	6.0
29	31	464	78	1400	---	1120	379	37	41	65	12	6.5
30	28	300	74	757	---	651	594	31	27	113	11	6.8
31	28	---	70	534	---	506	---	28	---	79	15	---
TOTAL	2206.1	11929	8265	19553	15120	20592	12249	9768	588.0	639.0	955.9	255.6
MEAN	71.2	398	267	631	540	664	408	315	19.6	20.6	30.8	8.52
MAX	640	2370	1310	3680	2630	4400	1580	2570	79	113	235	17
MIN	6.9	27	70	72	119	106	79	28	5.8	4.7	5.9	4.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1994, BY WATER YEAR (WY)

	1992	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994	1993	1994
MEAN	71.2	398	237	482	503	613	316	190	115	30.0	93.5	13.0	
MAX	71.2	398	267	631	540	664	408	315	211	39.5	156	17.6	
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1993	1993	1993	1993	
MIN	71.2	398	208	333	465	562	224	65.5	19.6	20.6	30.8	8.52	
(WY)	1994	1994	1993	1993	1993	1993	1993	1993	1994	1994	1994	1994	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1992 - 1994

ANNUAL TOTAL	84857.9	102120.6		
ANNUAL MEAN	232	280	280	
HIGHEST ANNUAL MEAN			280	1994
LOWEST ANNUAL MEAN			280	1994
HIGHEST DAILY MEAN	4250	Feb 22	4400	Mar 10
LOWEST DAILY MEAN	6.9	Oct 1	4.5	Sep 22
ANNUAL SEVEN-DAY MINIMUM	7.7	Oct 1	5.0	Jul 9
INSTANTANEOUS PEAK FLOW			4680	Mar 10
INSTANTANEOUS PEAK STAGE			5.37	Mar 10
10 PERCENT EXCEEDS	593		747	
50 PERCENT EXCEEDS	102		105	
90 PERCENT EXCEEDS	12		7.1	
				6.24
				630
				111
				9.2

KENTUCKY RIVER BASIN

03288110 ROYAL SPRINGS AT GEORGETOWN, KY

LOCATION.--Lat 38°12'34", long 84°33'43", Scott County, Hydrologic Unit 05100205, at Georgetown Water Plant, 200 ft downstream from dam, and 0.64 mi upstream from mouth.

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

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 5-7, Jan. 12-19, Mar. 9, and Apr. 8, 9. Records good except for periods of estimated record, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.8	44	15	55	42	50	44	2.8	.53	4.8	4.8
2	2.5	2.6	39	18	52	43	47	41	1.8	.24	4.3	3.8
3	2.6	2.7	39	26	48	42	46	37	2.9	.64	3.9	3.2
4	2.0	2.1	60	34	45	41	43	38	3.7	2.7	4.1	3.0
5	1.8	1.4	71	35	42	40	40	32	2.7	.34	12	7.9
6	1.6	1.5	62	39	39	39	46	29	2.5	.64	7.7	11
7	1.4	1.6	56	85	36	38	53	95	3.0	.37	5.3	6.5
8	1.2	1.3	52	69	45	47	58	97	11	.40	4.0	4.5
9	1.9	.69	48	61	65	75	52	68	5.3	.43	3.5	3.6
10	1.7	1.7	49	53	61	106	48	57	4.8	1.3	3.2	2.9
11	1.7	3.7	47	49	60	86	53	51	2.8	.44	2.8	2.4
12	1.0	3.8	44	43	60	77	58	45	3.0	.59	2.0	1.7
13	.77	37	40	39	64	68	63	37	2.7	1.0	2.1	1.3
14	.25	74	41	35	60	61	56	35	2.7	3.3	2.7	1.1
15	.00	84	44	32	55	56	66	50	1.3	3.7	2.9	1.1
16	.04	67	42	30	52	52	74	49	1.2	3.3	2.3	1.3
17	3.2	131	41	27	49	48	63	43	1.1	2.6	1.7	2.5
18	.82	91	39	25	46	46	55	37	.86	4.9	5.7	2.7
19	1.2	69	38	23	44	43	51	33	.94	2.7	20	1.1
20	76	58	36	22	43	41	47	30	.42	2.9	7.9	.53
21	52	53	36	21	43	40	42	28	.05	19	44	.26
22	34	47	31	20	48	38	38	29	.00	8.7	24	.20
23	24	41	27	20	91	35	34	24	.00	9.6	16	.57
24	18	35	24	38	67	34	31	23	.00	5.1	12	3.0
25	13	30	23	66	58	32	29	22	.00	14	7.9	3.3
26	10	27	21	82	52	31	28	24	2.7	27	6.1	2.9
27	7.0	54	20	100	47	68	34	15	22	18	5.0	4.0
28	4.8	55	19	127	44	85	31	8.8	6.1	12	4.3	3.4
29	4.2	51	18	85	---	67	40	6.9	1.9	10	13	2.6
30	4.4	47	17	68	---	58	49	4.5	.83	10	7.7	2.4
31	4.5	---	16	60	---	54	---	2.6	---	6.8	5.2	---
TOTAL	279.38	1077.89	1184	1447	1471	1633	1425	1135.8	91.10	173.22	248.1	89.56
MEAN	9.01	35.9	38.2	46.7	52.5	52.7	47.5	36.6	3.04	5.59	8.00	2.99
MAX	76	131	71	127	91	106	74	97	22	27	44	11
MIN	.00	.69	16	15	36	31	28	2.6	.00	.24	1.7	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1994, BY WATER YEAR (WY)

	1993	1994	1994	1994	1994	1994	1994	1994	1993	1993	1993	1994
MEAN	9.01	35.9	38.2	41.9	42.7	51.9	41.5	25.8	16.4	6.58	10.5	4.23
MAX	9.01	35.9	38.2	46.7	52.5	52.7	47.5	36.6	29.7	7.58	13.0	5.48
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1993	1993	1993	1993
MIN	9.01	35.9	38.2	37.2	32.9	51.1	35.5	15.0	3.04	5.59	8.00	2.99
(WY)	1994	1994	1994	1993	1993	1993	1993	1993	1994	1994	1994	1994

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1993 - 1994

ANNUAL TOTAL	9423.97	10255.05	
ANNUAL MEAN	25.8	28.1	28.1
HIGHEST ANNUAL MEAN			28.1
LOWEST ANNUAL MEAN			28.1
HIGHEST DAILY MEAN	131	Nov 17	131
LOWEST DAILY MEAN	.00	Oct 15	.00
ANNUAL SEVEN-DAY MINIMUM	.78	Oct 10	.20
INSTANTANEOUS PEAK FLOW			239
INSTANTANEOUS PEAK STAGE			3.46
INSTANTANEOUS LOW FLOW			.00
10 PERCENT EXCEEDS	52	61	57
50 PERCENT EXCEEDS	21	24	22
90 PERCENT EXCEEDS	2.6	1.2	2.2

KENTUCKY RIVER BASIN

03289300 SOUTH ELKBORN 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.--105 mi², of which about 21 mi² does not contribute directly to surface runoff.

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

GAGE.--Water-stage recorder. Datum of gage is 790 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 7 to Nov. 30, Dec. 26 to Jan. 4, 15-25, Apr. 21 to May 27, and June 15, 16. Records good except for periods of estimated daily discharges, which are fair. 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. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	32	197	64	344	197	334	300	68	50	50	50
2	16	30	174	60	272	219	270	200	46	19	47	43
3	31	29	187	150	226	261	238	170	59	24	37	20
4	30	28	424	210	194	244	227	150	31	30	41	29
5	31	27	808	204	167	220	186	130	40	53	113	38
6	27	26	531	210	148	199	235	120	66	55	98	94
7	35	27	381	1220	136	191	528	115	55	36	59	58
8	33	25	311	916	171	365	364	1650	95	37	56	48
9	29	23	250	556	733	863	289	700	72	18	45	59
10	26	22	331	404	612	2650	293	350	68	70	37	20
11	33	21	322	316	527	1420	349	250	33	56	37	30
12	40	25	265	304	638	981	545	200	35	42	43	41
13	39	150	231	264	741	701	450	170	63	35	13	28
14	38	1000	228	230	598	584	343	150	79	37	32	28
15	38	850	233	180	477	448	414	300	100	76	59	30
16	38	790	208	140	378	352	1090	430	90	98	44	30
17	50	1300	190	125	308	286	560	200	79	61	32	20
18	100	1500	177	110	259	264	384	150	36	92	29	32
19	200	600	167	100	215	220	293	120	26	66	37	33
20	580	350	153	92	191	185	251	100	60	58	31	39
21	450	260	165	88	201	176	190	90	79	118	381	43
22	150	200	146	80	172	166	160	80	93	70	165	39
23	100	150	134	74	1340	138	140	70	66	69	99	31
24	70	120	123	70	763	136	120	66	53	50	72	23
25	58	100	118	150	492	122	105	60	24	51	64	31
26	48	150	90	1110	359	106	100	56	57	130	52	40
27	42	520	86	977	278	640	94	90	236	81	39	42
28	36	400	80	1750	230	1230	130	72	90	79	39	38
29	34	251	75	1020	---	770	260	65	72	67	81	35
30	30	200	70	615	---	491	520	58	57	85	72	31
31	31	---	68	447	---	424	---	74	---	50	55	---
TOTAL	2495	9206	6923	12236	11170	15249	9462	6736	2028	1863	2059	1123
MEAN	80.5	307	223	395	399	492	315	217	67.6	60.1	66.4	37.4
MAX	580	1500	808	1750	1340	2650	1090	1650	236	130	381	94
MIN	16	21	68	60	136	106	94	56	24	18	13	20
CFSM	.77	2.92	2.13	3.76	3.80	4.68	3.00	2.07	.64	.57	.63	.36
IN.	.88	3.26	2.45	4.34	3.96	5.40	3.35	2.39	.72	.66	.73	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1994, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	70.6	150	249	229	312	260	193	184	133	89.7	72.0	57.4	
MAX	151	307	673	395	1030	492	366	718	337	240	255	108	
(WY)	1991	1994	1991	1994	1989	1994	1984	1983	1992	1992	1992	1992	
MIN	34.5	52.3	86.5	50.4	114	60.1	60.9	58.9	39.5	35.8	32.5	27.7	
(WY)	1983	1992	1990	1986	1993	1983	1986	1988	1988	1983	1983	1987	

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1982 - 1994

ANNUAL TOTAL	57006.6	80550	
ANNUAL MEAN	156	221	166
HIGHEST ANNUAL MEAN			257
LOWEST ANNUAL MEAN			103
HIGHEST DAILY MEAN	1500	Nov 18	2650
LOWEST DAILY MEAN	9.6	Jul 31	13
ANNUAL SEVEN-DAY MINIMUM	24	Nov 6	24
INSTANTANEOUS PEAK FLOW			3150
INSTANTANEOUS PEAK STAGE			15.33
INSTANTANEOUS LOW FLOW			
ANNUAL RUNOFF (CFSM)	1.49	2.10	1.58
ANNUAL RUNOFF (INCHES)	20.20	28.54	21.47
10 PERCENT EXCEEDS	332	549	349
50 PERCENT EXCEEDS	100	100	88
90 PERCENT EXCEEDS	33	31	33

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. Datum of gage is approximately 540.20 ft above sea level. See WDR KY-90-1 for history of changes prior to Aug. 31, 1970.

REMARKS.--Estimated daily discharges: Dec. 27 to Jan. 2, and 12-23. Water-discharge records good except for periods of estimated record, which are fair. City of Lexington diverts water from Hickman Creek in Kentucky River Basin for municipal water supply; return flow of which enters tributary above station.

EXTREMES FOR 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	140	816	245	1900	965	1950	1620	139	110	149	76
2	62	138	644	240	1460	856	1580	1200	121	88	112	66
3	54	131	559	361	1170	1020	1310	897	109	65	84	65
4	51	125	1210	676	949	1020	1210	768	107	66	79	52
5	63	124	4010	949	795	982	1020	702	83	63	103	54
6	61	115	3220	850	690	867	971	580	86	70	165	64
7	52	117	2030	3720	598	766	2210	985	92	70	163	105
8	49	112	1440	5160	688	831	2180	6270	91	71	113	92
9	47	105	1080	2830	2790	2090	1650	4220	121	68	102	72
10	49	100	897	1960	3780	8380	1500	2340	122	52	79	71
11	35	96	1060	1520	2510	7450	1740	1620	113	70	65	55
12	59	91	904	1100	2520	4840	2450	1190	83	70	59	47
13	55	127	738	800	3170	3690	2720	896	83	49	54	53
14	55	2110	653	640	3140	2920	2090	703	84	54	46	45
15	54	4650	780	540	2400	2310	2230	828	71	56	32	41
16	54	3420	847	450	1910	1810	4910	1890	67	83	64	40
17	49	4720	752	360	1520	1430	3730	1430	66	97	49	41
18	99	6830	682	300	1240	1210	2320	896	57	80	42	41
19	109	3320	619	280	1020	1060	1700	681	50	96	41	33
20	945	2050	554	260	877	872	1270	568	48	87	43	39
21	2630	1400	514	240	837	761	968	485	70	60	53	39
22	1020	998	503	230	831	736	785	430	66	114	525	37
23	550	746	442	220	5580	663	662	384	78	103	351	33
24	372	597	397	484	5030	614	558	346	73	86	196	35
25	284	503	373	1940	2860	609	494	319	62	81	136	33
26	237	426	351	5960	2010	546	451	261	51	131	104	39
27	208	767	310	6110	1480	2590	489	293	114	213	91	54
28	181	2320	300	10200	1170	5830	631	241	257	145	66	51
29	160	1600	280	6460	---	4970	1280	202	166	154	73	50
30	140	1110	270	3660	---	3040	2310	170	141	118	85	45
31	134	---	255	2550	---	2270	---	152	---	133	100	---
TOTAL	7972	39088	27490	61295	54925	67998	49369	33567	2871	2803	3424	1568
MEAN	257	1303	887	1977	1962	2193	1646	1083	95.7	90.4	110	52.3
MAX	2630	6830	4010	10200	5580	8380	4910	6270	257	213	525	105
MIN	35	91	255	220	598	546	451	152	48	49	32	33
CFSM	.54	2.75	1.87	4.18	4.15	4.64	3.48	2.29	.20	.19	.23	.11
IN.	.63	3.07	2.16	4.82	4.32	5.35	3.88	2.64	.23	.22	.27	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1994, BY WATER YEAR (WY)

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944								
MEAN	129	329	872	1121	1312	1386	935	613	362	240	176	152	1201	1012	1379	3138	4630	4438	4309	3332	3747	1472	1171	963	2101	1976	1943	1979	1950	1989	1964	1948	1983	1974	1960	1992	1979
MAX	1012	1379	3138	4630	4438	4309	3332	3747	1472	1171	963	2101	1976	1943	1979	1950	1989	1964	1948	1983	1974	1960	1992	1979	1976	1943	1979	1950	1989	1964	1948	1983	1974	1960	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	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944	1944

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1916 - 1994	
ANNUAL TOTAL	269000		352370			
ANNUAL MEAN	737		965		633	
HIGHEST ANNUAL MEAN					1081	
LOWEST ANNUAL MEAN					126	
HIGHEST DAILY MEAN	9820	Feb 22	10200	Jan 28	25000	Feb 16 1989
LOWEST DAILY MEAN	35	Oct 11	32	Aug 15	.00	Jan 7 1940
ANNUAL SEVEN-DAY MINIMUM	49	Oct 7	36	Sep 19	.00	Jan 7 1940
INSTANTANEOUS PEAK FLOW			11200	Jan 28	28700	Feb 16 1989
INSTANTANEOUS PEAK STAGE			11.70	Jan 28	15.26	Feb 16 1989
INSTANTANEOUS LOW FLOW			1.8	Sep 26		
ANNUAL RUNOFF (CFSM)	1.56		2.04		1.34	
ANNUAL RUNOFF (INCHES)	21.16		27.71		18.17	
10 PERCENT EXCEEDS	1980		2610		1590	
50 PERCENT EXCEEDS	334		360		200	
90 PERCENT EXCEEDS	65		53		31	

KENTUCKY RIVER BASIN

03290500 KENTUCKY RIVER AT LOCK 2, AT LOCKPORT, KY--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1973 to September 1991.

WATER TEMPERATURES: January 1973 to September 1991.

REMARKS.--Flow regulated by Buckhorn Lake, Herrington Lake, and hydroelectric plant at lock 7.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 660 microsiemens, Oct. 31, 1986; minimum daily, 100 microsiemens, Sept. 23, 1973.

WATER TEMPERATURES: Maximum daily, 33.0°C, Aug. 10, 11, 1980, July 29, 1988; minimum daily, 0.0°C, on several days during winters.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (FT ³ /S)	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PERCENT SATURATION)	COLIFORM, FECAL, UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS./100 ML)	HARDNESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS-SOLVED (MG/L AS Ca)
OCT 1993												
14...	1130	611	310	7.8	19.0	5.4	8.1	88	K4	K8	150	39
DEC												
23...	1040	8470	325	8.0	5.5	17	12.1	97	43	52	140	41
FEB 1994												
08...	1200	7610	270	6.8	3.0	8.9	8.6	65	55	97	120	34
APR												
13...	1050	46300	270	7.7	13.0	27	9.9	96	2100	4000	130	36
JUN												
08...	1100	1330	293	8.4	22.5	3.4	9.1	108	K10	K12	130	37

DATE	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE WATER DIS FIELD (MG/L AS HCO ₃)	ALKALINITY WAT DIS TOT IT FIELD (MG/L AS CaCO ₃)	ALKALINITY WAT DIS TOT FET FIELD (MG/L AS CaCO ₃)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SULFATE, DIS-SOLVED (MG/L AS SO ₄)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 1993											
14...	12	10	3.5	--	--	--	8.6	69	0.20	5.6	201
DEC											
23...	8.9	5.4	2.1	113	92	90	5.3	45	0.10	5.6	186
FEB 1994											
08...	7.9	4.9	1.8	75	62	61	6.0	44	0.10	5.3	163
APR											
13...	8.7	4.4	1.3	88	72	72	4.2	50	0.10	5.4	168
JUN											
08...	9.0	6.1	2.0	103	85	86	5.7	47	0.10	2.6	169

KENTUCKY RIVER BASIN

03290500 KENTUCKY RIVER AT LOCK 2, AT LOCKPORT, KY--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 1993											
14...	0.010	0.850	0.050	<0.20	0.040	0.040	0.050	<10	32	<3	4
DEC 23...	<0.010	1.10	0.050	<0.20	0.070	0.030	0.060	30	24	<3	29
FEB 1994											
08...	0.020	1.20	0.040	0.20	0.090	0.050	0.040	20	20	<3	30
APR 13...	0.020	0.810	0.050	0.30	0.180	0.040	0.050	60	21	<3	59
JUN 08...	0.020	0.390	0.020	0.60	0.060	<0.010	<0.010	30	25	<3	4
DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 1993											
14...	<4	6	<10	1	<1	<1.0	200	<6	--	--	--
DEC 23...	<4	14	<10	<1	<1	<1.0	130	<6	29	663	69
FEB 1994											
08...	<4	22	10	2	<1	<1.0	110	<6	32	658	87
APR 13...	<4	3	<10	1	<1	<1.0	140	<6	111	13900	80
JUN 08...	<4	1	<10	<1	<1	<1.0	140	<6	43	156	66

HARRODS CREEK BASIN

03292460 HARRODS CREEK NEAR LA GRANGE, KY

LOCATION.--Lat 38°26'50", long 85°24'33", Oldham County, Hydrologic Unit 05140101, 40 ft upstream from bridge on State Highway 53, 0.5 mi upstream from Ash Run, 3.1 mi northwest of La Grange, and at mile 22.4.

DRAINAGE AREA.--24.1 mi².

PERIOD OF RECORD.--December 1967 to September 1984 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 662.64 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 19, 21-23, 25, 26, 28-30, Jan. 17-23, and Mar. 18 to Apr. 5. Records good except for periods of estimated record, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.65	13	10	25	16	17	224	.37	.19	.05	.00
2	.00	.79	14	17	39	16	16	53	.34	.15	.02	.00
3	.00	1.5	116	29	13	14	15	32	.34	.08	.01	.00
4	.00	1.2	466	31	11	13	15	27	.31	.05	.00	.00
5	.00	1.3	169	21	11	12	15	21	.30	.01	23	.00
6	.00	1.3	41	31	10	11	19	18	.27	.02	2.0	.00
7	.00	1.2	26	220	9.1	11	27	169	.27	.05	.46	.00
8	.00	.80	21	40	182	11	22	69	.67	.03	.30	.02
9	.00	.66	18	54	311	18	20	27	.47	.07	.20	.02
10	.00	.63	17	24	36	73	449	18	.36	.04	.13	.00
11	.00	.60	15	16	22	141	177	14	.32	.01	.06	.00
12	.00	.56	13	18	17	129	99	12	.26	.00	.05	.00
13	.00	.24	13	19	16	90	51	9.9	.23	.00	.03	.00
14	.00	579	21	19	14	66	32	211	.20	.04	.01	.00
15	.00	119	28	34	13	41	48	302	.16	.06	.00	.00
16	.00	.27	22	9.9	12	27	46	62	.10	.08	.00	.00
17	.00	238	18	8.6	11	21	28	15	.08	.05	.01	.00
18	.01	.42	17	8.0	11	18	22	9.3	.07	.03	.01	.00
19	.16	.24	16	7.7	9.8	17	18	6.3	.05	.00	.00	.00
20	14	.18	15	7.4	12	16	15	4.2	.04	.00	.00	.00
21	11	.15	14	7.2	28	15	14	2.1	.05	.00	.00	.00
22	2.7	.13	13	7.0	256	15	13	1.2	.07	.06	.00	.00
23	.60	.12	12	19	479	14	12	.92	.05	.06	.00	.00
24	.42	.11	12	93	53	55	11	.76	.08	.03	.00	.00
25	.35	.11	11	687	30	45	11	.69	.08	4.5	.00	.00
26	.34	.11	11	230	20	30	9.8	8.3	.04	7.6	.00	.00
27	.40	.51	11	450	17	103	30	1.5	.08	.49	.00	.00
28	.37	.26	10	717	16	86	19	.76	.05	.29	.00	.00
29	.34	.18	9.5	70	---	45	682	.57	.13	.19	.00	.00
30	.40	.15	9.5	33	---	24	542	.50	.23	.11	.00	.00
31	.60	---	9.4	24	---	20	---	.45	---	.07	.00	---
TOTAL	31.69	1265.19	1201.4	2961.8	1683.9	1213	2494.8	1321.45	6.07	14.36	26.34	0.04
MEAN	1.02	42.2	38.8	95.5	60.1	39.1	83.2	42.6	.20	.46	.85	.001
MAX	14	579	466	717	479	141	682	302	.67	7.6	23	.02
MIN	.00	.56	9.4	7.0	9.1	11	9.8	.45	.04	.00	.00	.00
CFSM	.04	1.75	1.61	3.96	2.50	1.62	3.45	1.77	.01	.02	.04	.00
IN.	.05	1.95	1.85	4.57	2.60	1.87	3.85	2.04	.01	.02	.04	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1994, BY WATER YEAR (WY)

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
MEAN	9.65	31.5	54.4	51.4	63.6	65.4	62.1	43.5	26.3	14.4	14.5	8.13					
MAX	75.1	99.3	184	108	175	179	174	152	154	68.3	73.2	136					
(WY)	1978	1980	1991	1969	1989	1975	1972	1983	1973	1992	1978	1979					
MIN	.000	.000	1.28	.69	7.68	8.46	5.95	1.01	.11	.46	.000	.000					
(WY)	1988	1992	1977	1977	1992	1983	1976	1985	1988	1994	1983	1983					

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1968 - 1994

ANNUAL TOTAL	13119.46	12220.04	
ANNUAL MEAN	35.9	33.5	36.9
HIGHEST ANNUAL MEAN			65.7
LOWEST ANNUAL MEAN			16.7
HIGHEST DAILY MEAN	2060	717	2060
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		4320	6100
INSTANTANEOUS PEAK STAGE		6.01	9.93
ANNUAL RUNOFF (CFSM)	1.49	1.39	1.53
ANNUAL RUNOFF (INCHES)	20.25	18.86	20.82
10 PERCENT EXCEEDS	51	54	71
50 PERCENT EXCEEDS	9.4	9.3	6.8
90 PERCENT EXCEEDS	.00	.00	.07

HARRODS CREEK BASIN

03292473 HARRODS CREEK NEAR PROSPECT, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°20'06", long 85°36'09", Jefferson County, Hydrologic Unit 05140101, at site off Hunting Creek Drive, 0.9 mi above Wolf Creek, and at mile 3.0.

DRAINAGE AREA.--92.1 mi².

PERIOD OF RECORD.--March 1988 to current year.

REMARKS.--Samples were collected monthly.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
04...	0940	639	8.0	13.0	7.1
NOV					
01...	0920	524	7.7	7.0	10.5
DEC					
01...	0920	540	8.3	4.0	12.7
JAN					
05...	0930	578	8.1	1.0	13.3
MAR					
02...	0930	489	8.2	4.5	12.9
MAY					
02...	1105	406	8.2	10.5	10.2
JUN					
06...	0915	509	7.7	21.5	6.8
JUL					
06...	0930	594	7.8	26.5	4.1
AUG					
01...	0930	579	7.9	22.5	5.6
SEP					
12...	0920	563	6.6	20.5	5.1

GOOSE CREEK BASIN

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

WATER-QUALITY RECORDS

LOCATION.--Lat 38°16'33", long 85°36'22", Jefferson County, Hydrologic Unit 05140101, at bridge on Old Westport Road and at mile 5.5.

DRAINAGE AREA.--6.0 mi².

PERIOD OF RECORD.--February 1988 to current year.

REMARKS.--Samples were collected monthly.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
04...	1035	1.1	610	8.0	14.0	8.2
NOV						
01...	1245	2.8	515	8.2	8.5	14.7
DEC						
01...	1205	4.0	372	8.5	7.5	15.1
JAN						
05...	1225	5.0	547	8.1	4.0	13.2
FEB						
02...	1040	13	495	7.8	3.5	13.0
MAR						
02...	1210	9.4	358	8.2	6.0	10.5
APR						
04...	1205	11	328	8.9	11.0	16.7
MAY						
02...	1215	14	444	8.4	13.5	10.3
JUN						
06...	1215	1.3	574	8.1	23.0	7.1
JUL						
06...	1215	1.5	605	7.9	26.0	5.3
AUG						
01...	1235	0.50	592	7.9	23.0	5.1
SEP						
12...	1155	0.53	652	6.8	22.0	6.0

GOOSE CREEK BASIN

03292475 GOOSE CREEK AT U.S. HWY 42 NEAR GLENVIEW ACRES, KY

WATER-QUALITY RECORDS

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

DRAINAGE AREA.--10.1 mi².

PERIOD OF RECORD.--February 1988 to current year.

REMARKS.--Samples were collected monthly.

COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
04...	1210	1.5	630	8.3	12.5	10.1
NOV						
01...	1145	4.7	583	8.3	7.0	11.9
DEC						
01...	1110	4.7	581	8.2	5.0	13.2
JAN						
05...	1125	8.6	756	8.2	3.5	13.3
MAR						
02...	1115	14	522	8.4	5.5	12.9
APR						
04...	1050	19	490	8.3	9.0	14.0
MAY						
02...	0910	28	446	8.1	10.0	10.2
JUN						
06...	1115	1.8	553	8.4	21.0	8.8
JUL						
06...	1045	1.4	582	8.2	24.5	7.9
AUG						
01...	1135	0.50	581	8.5	22.0	8.7
SEP						
12...	1100	0.40	583	7.4	19.5	8.1