



Water Resources Data Kentucky Water Year 1997



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT KY-97-1
Prepared in cooperation with the Commonwealth of
Kentucky and with other agencies



[Click here to return to USGS publications](#)

CUMBERLAND RIVER BASIN

03438220 CUMBERLAND RIVER NEAR GRAND RIVERS, KY

LOCATION.--Lat 37°01'18", long 88°13'16", Lyon County, Hydrologic Unit 05130205, on right bank in powerhouse at Barkley Dam, 0.7 mi upstream from bridge on U.S. Highway 62 and 641, 1.5 mi northeast of Grand Rivers, and at mile 30.6.

DRAINAGE AREA.--17,598 mi².

PERIOD OF RECORD.--February 1939 to September 1997 (discontinued), (fragmentary prior to April 1940). Monthly discharge only for some periods, published in WSP 1306. Prior to October 1964, published as "at Smithland."

REVISED RECORD.--WSP 1173: 1974(M). WSP 1336: 1940-43.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above sea level (levels by U.S. Army Corps of Engineers). Auxiliary water-stage recorder at Dycysburg at mile 19.6. See WDR KY-88-1 for history of changes prior to Dec. 28, 1965.

REMARKS.--No estimated daily discharges. Records fair except those below 10,000 ft³/s, which are poor. Regulation of navigation dams on Cumberland River, and by Lake Cumberland, Dale Hollow Reservoir, Great Falls Lake, Center Hill Reservoir, Old Hickory Lake, J. Percy Priest Reservoir, and Lake Barkley. Barkley-Kentucky Canal (station 03438190) diverts water from or to Kentucky Lake in Tennessee River Basin and is included in this record since October 1965.

COOPERATION.--Discharges for days of negative fall or excessive fall were provided by U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January to February 1937 reached a stage of 51.1 ft, former site and datum, 60.3 ft, present site and datum (from U.S. Army Corps of Engineers river profile).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50900	34000	53600	53300	99900	67600	56800	47000	46100	72700	21800	25600
2	50800	33000	64800	53400	63400	109000	55200	46300	57300	72100	11100	25000
3	52100	32800	91700	53700	52000	168000	55800	51300	59700	62900	11100	25300
4	51800	32600	95100	53500	52100	195000	52000	52400	52300	51200	18300	28700
5	51400	31700	94600	54100	63800	193000	49400	51100	46800	52400	21700	27000
6	51500	37600	94500	54600	76500	165000	49700	50900	44900	42900	20800	11200
7	46600	38400	93800	55000	75900	124000	31800	51800	45000	42800	19400	12500
8	46800	48400	93200	54600	75600	111000	31600	50800	45400	55100	19800	28500
9	46100	57400	86500	54000	76600	100000	31600	50500	45100	54000	9200	27400
10	46500	57300	75800	54500	64300	98600	30400	38600	45000	56300	12400	26500
11	45100	55800	75100	55000	51300	74800	28400	36300	44900	56500	29500	25500
12	39100	54500	75000	55300	51800	68900	9450	47500	45200	56500	25600	25300
13	38300	53700	66100	56100	52400	62400	9680	34900	45300	34600	25500	11200
14	26800	53200	53600	56400	53000	64800	29700	21000	46000	30800	26100	9970
15	25900	53400	53400	56900	54200	75700	30600	22200	56800	30600	26500	23700
16	26200	50400	53100	57600	54500	84200	15200	21500	70800	32200	26200	25200
17	26200	33100	71300	57900	54800	85200	15400	6230	69500	32700	26200	22500
18	26400	31400	90700	58400	55000	85900	14900	6110	69900	31600	26700	20700
19	19100	31000	91100	58500	55400	85900	6500	6100	69800	18300	25700	21800
20	18500	30600	92700	58300	55800	93500	6410	11000	65500	16000	25600	10800
21	29500	30800	93800	58400	55700	111000	6410	11000	64700	26100	25900	10800
22	30200	30700	94300	58100	56200	123000	6400	28600	62000	24700	26500	20000
23	29600	30700	81000	56500	48400	119000	6400	26600	58900	28300	26400	19600
24	29800	30600	56200	55400	47800	124000	9730	11600	59700	27800	25900	20100
25	29700	30300	53500	54900	53400	123000	9590	6100	60300	28500	26200	44800
26	16700	53900	52900	54200	52600	121000	9440	6100	59700	20900	25700	49400
27	28700	53700	52400	64900	52000	113000	9020	13400	59600	23200	25800	50700
28	30600	54100	51300	86100	51900	91200	8930	32000	60400	29000	25800	51500
29	35800	53700	51700	91700	---	82300	21800	33800	59600	22300	26000	51000
30	34700	53400	51700	101000	---	84900	43400	41600	59100	28100	25800	51600
31	35000	---	53000	104000	---	69900	---	43100	---	23000	26300	---
TOTAL	1116400	1272200	2257500	1896300	1656300	3274800	741660	957440	1675300	1184100	715500	803870.
MEAN	36010	42410	72820	61170	59150	105600	24720	30890	55840	38200	23080	26800
MAX	52100	57400	95100	104000	99900	195000	56800	52400	70800	72700	29500	51600
MIN	16700	30300	51300	53300	47800	62400	6400	6100	44900	16000	9200	9970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1997, BY WATER YEAR (WY)

MEAN	22410	31630	49940	55250	55850	55200	39870	38060	29500	25700	25240	21600
MAX	55260	62960	97370	114400	104700	118300	120900	99410	63640	57470	39380	53030
(WY)	1990	1980	1973	1974	1994	1975	1994	1984	1973	1989	1979	1979
MIN	6085	7718	8592	6245	23010	14450	4744	4965	6139	5759	7780	6398
(WY)	1966	1966	1981	1981	1977	1981	1986	1988	1988	1988	1988	1988

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1966 - 1997

ANNUAL TOTAL	14659130	17551370	
ANNUAL MEAN	40050	48090	37460
HIGHEST ANNUAL MEAN			56740
LOWEST ANNUAL MEAN			14900
HIGHEST DAILY MEAN	95100	Dec 4	195000
LOWEST DAILY MEAN	4830	Apr 18	6100
ANNUAL SEVEN-DAY MINIMUM	10500	May 13	7350
INSTANTANEOUS PEAK FLOW			209000
INSTANTANEOUS PEAK STAGE			46.15
10 PERCENT EXCEEDS	54900	85900	49.04
50 PERCENT EXCEEDS	40500	49700	32200
90 PERCENT EXCEEDS	17500	17700	8350

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY

(National stream-quality accounting and radiochemical network station)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°02'16", long 88°31'46", McCracken County, Hydrologic unit 06040006, at auxiliary gaging station at bridge on U.S. highway 60, 16.3 mi downstream from gaging station, 2.4 mi east of Paducah, and at mile 5.3.

DRAINAGE AREA.--40,330 mi²; 40,200 mi² at gaging station.

PERIOD OF RECORD.--Water years 1950, 1952, 1967-72, 1974-86, and current water year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1973 to September 1981.

WATER TEMPERATURE: November 1973 to September 1981.

REMARKS.--Records of daily discharge are published for gaging station near Paducah (station 03609500) 16.3 mi upstream. Flow completely regulated. Barkley-Kentucky Canal (station 03438190) diverts water from or to Lake Barkley in the Cumberland River Basin.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	STREAM, FLOW INSTAN- TANEOUS (FTS3/S) SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
				WATER WHOLE FIELD (STAND- ARD UNITS) (00400)							
NOV 1996											
21...	1230	61200	189	7.4	10.5	4.6	--	--	75	23	4.2
DEC											
09...	1137	177000	146	6.8	10.0	18	--	--	73	23	3.8
JAN 1997											
21...	1220	99900	195	7.0	4.0	7.6	--	--	74	23	3.9
FEB											
12...	1210	85000	153	7.1	7.0	15	--	--	63	20	3.1
MAR											
12...	1230	161000	134	7.2	13.5	19	13.8	131	56	18	2.7
24...	1245	223000	140	7.4	13.5	13	13.9	132	60	19	3.1
APR											
16...	1200	47900	151	8.0	14.5	4.5	10.2	100	62	20	3.2
28...	1143	42600	146	7.4	15.5	60	9.0	90	63	20	3.3
MAY											
13...	1035	49700	164	7.7	18.5	5.5	8.7	93	68	21	3.7
JUN											
02...	1245	87200	167	7.7	21.0	4.6	8.5	95	64	20	3.7
13...	1200	105000	151	7.4	21.5	5.8	8.8	100	60	19	3.1
JUL											
15...	1300	40000	136	7.5	28.5	4.1	7.1	91	54	17	2.8
AUG											
11...	1120	--	135	7.3	27.0	4.0	6.5	81	53	16	3.0
SEP											
03...	1130	--	139	7.2	28.0	1.9	5.4	68	50	14	3.4
DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
NOV 1996											
21...	7.2	1.8	86	71	8.4	13	<0.10	5.7	112	0.030	0.360
DEC											
09...	5.3	1.8	77	63	6.4	11	<0.10	5.2	95	0.010	0.400
JAN 1997											
21...	5.6	1.9	75	61	5.8	12	<0.10	5.2	103	0.020	0.460
FEB											
12...	3.9	1.5	66	54	4.7	9.8	<0.10	4.9	88	0.010	0.540
MAR											
12...	3.1	1.5	56	46	3.9	8.6	<0.10	4.7	80	0.010	0.500
24...	3.4	1.5	--	--	4.0	9.1	<0.10	4.8	83	<0.010	0.485
APR											
16...	3.7	1.4	60	49	4.5	11	<0.10	3.2	88	0.010	0.243
28...	4.1	1.3	31	25	5.0	9.8	<0.10	2.1	83	0.016	0.261
MAY											
13...	5.3	1.5	53	43	5.9	11	<0.10	3.0	89	0.014	0.305
JUN											
02...	6.0	1.4	56	46	7.3	11	<0.10	1.1	94	<0.010	0.129
13...	4.4	1.7	54	44	5.2	8.5	<0.10	2.4	83	0.038	0.251
JUL											
15...	4.0	1.5	--	--	4.8	7.4	<0.10	4.5	80	0.021	0.108
AUG											
11...	5.1	1.6	--	46	6.3	8.5	<0.10	3.8	89	0.022	0.108
SEP											
03...	6.1	1.7	--	--	8.1	10	0.14	3.5	84	<0.010	0.080

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY--Continued

(National stream-quality accounting and radiochemical network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
NOV 1996											
21...	0.030	<0.20	0.20	0.060	0.040	0.031	11	<1.0	<1	21	<1.0
DEC											
09...	0.050	<0.20	0.20	0.090	0.050	0.036	15	<1.0	1	19	<1.0
JAN 1997											
21...	0.030	<0.20	0.20	0.040	0.020	0.037	4.0	<1.0	<1	20	<1.0
FEB											
12...	0.040	<0.20	0.20	0.040	0.010	0.016	14	<1.0	<1	20	<1.0
MAR											
12...	0.030	<0.20	0.20	0.070	<0.010	0.038	5.0	<1.0	<1	18	<1.0
24...	<0.015	<0.20	<0.20	0.058	0.017	0.025	6.0	<1.0	<1	18	<1.0
APR											
16...	0.021	<0.20	0.37	0.051	<0.010	0.004	2.7	<1.0	<1	17	<1.0
28...	0.066	0.25	0.32	0.034	0.019	0.013	2.4	<1.0	<1	16	<1.0
MAY											
13...	0.023	<0.20	<0.20	0.032	<0.010	0.020	3.3	<1.0	<1	20	<1.0
JUN											
02...	0.063	<0.20	0.24	0.043	<0.010	0.013	2.9	<1.0	<1	18	<1.0
13...	<0.015	<0.20	0.35	0.053	0.010	0.027	2.8	<1.0	1	18	<1.0
JUL											
15...	<0.015	<0.20	<0.20	<0.010	<0.010	0.013	6.0	<1.0	1	19	<1.0
AUG											
11...	0.018	<0.20	0.33	0.043	<0.010	0.017	3.5	<1.0	1	19	<1.0
SEP											
03...	0.049	0.22	0.27	0.031	0.022	0.016	4.5	<1.0	1	18	<1.0

DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
NOV 1996											
21...	21	<1.0	<1.0	<1.0	1.0	14	<1.0	2.0	<1.0	<1.0	<1
DEC											
09...	15	<1.0	1.0	<1.0	<1.0	24	<1.0	<1.0	<1.0	<1.0	<1
JAN 1997											
21...	15	<1.0	<1.0	<1.0	<1.0	16	<1.0	3.0	<1.0	<1.0	<1
FEB											
12...	15	<1.0	<1.0	<1.0	<1.0	49	<1.0	2.0	<1.0	<1.0	<1
MAR											
12...	11	<1.0	<1.0	<1.0	<1.0	23	<1.0	2.0	<1.0	<1.0	<1
24...	12	<1.0	<1.0	<1.0	1.0	18	<1.0	2.0	<1.0	<1.0	<1
APR											
16...	13	<1.0	<1.0	<1.0	<1.0	6.1	<1.0	<1.0	<1.0	<1.0	<1
28...	16	<1.0	1.0	<1.0	<1.0	4.6	<1.0	1.0	<1.0	<1.0	<1
MAY											
13...	21	<1.0	1.2	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1
JUN											
02...	20	<1.0	<1.0	<1.0	2.0	<3.0	<1.0	1.1	<1.0	<1.0	<1
13...	19	<1.0	<1.0	<1.0	1.1	4.7	<1.0	<1.0	<1.0	<1.0	<1
JUL											
15...	17	<1.0	1.3	<1.0	<1.0	7.0	<1.0	2.0	<1.0	<1.0	<1
AUG											
11...	19	<1.0	<1.0	<1.0	1.0	5.2	<1.0	<1.0	<1.0	<1.0	<1
SEP											
03...	25	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	1.1	<1.0	<1

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY--Continued

(National stream-quality accounting and radiochemical network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
	NOV 1996										
21...	<1.0	68	<6	1.0	<1.0	2.5	0.30	<0.002	<0.002	0.038	<0.002
DEC											
09...	<1.0	61	<6	<1.0	<1.0	2.3	0.90	<0.002	<0.002	0.027	<0.002
JAN 1997											
21...	<1.0	66	<6	1.0	<1.0	2.0	0.40	<0.002	<0.002	0.024	<0.002
FEB											
12...	<1.0	55	<6	1.0	<1.0	2.0	0.40	<0.002	<0.002	0.018	<0.002
MAR											
12...	<1.0	50	<6	<1.0	<1.0	2.5	0.60	<0.002	<0.002	0.019	<0.002
24...	<1.0	52	<6	1.0	<1.0	2.1	0.40	<0.002	<0.002	0.021	<0.002
APR											
16...	<1.0	61	<6	<1.0	<1.0	2.1	1.0	<0.002	<0.002	0.026	<0.002
28...	<1.0	57	<6	<1.0	<1.0	1.9	0.60	<0.002	<0.002	0.032	<0.002
MAY											
13...	<1.0	63	<6	<1.0	<1.0	1.8	0.40	0.004	<0.002	0.119	<0.002
JUN											
02...	<1.0	61	<6	1.6	<1.0	1.8	0.70	0.004	0.009	0.294	<0.002
13...	<1.0	55	<6	4.3	<1.0	2.3	0.40	0.005	0.013	0.667	<0.002
JUL											
15...	<1.0	52	<6	<1.0	<1.0	2.4	0.60	<0.002	0.005	0.223	<0.002
AUG											
11...	<1.0	56	<6	<1.0	<1.0	2.2	0.40	<0.002	<0.002	0.174	<0.002
SEP											
03...	<1.0	53	<6	1.6	<1.0	2.0	0.30	<0.002	<0.002	0.086	<0.002

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
	NOV 1996										
21...	<0.002	<0.004	<0.004	0.005	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.011
DEC											
09...	<0.002	<0.004	<0.004	0.004	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.007
JAN 1997											
21...	<0.002	<0.004	<0.004	0.011	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.020
FEB											
12...	<0.002	<0.004	<0.004	0.007	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.008
MAR											
12...	<0.002	0.003	<0.004	0.007	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.005
24...	<0.002	<0.004	<0.004	0.009	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.008
APR											
16...	<0.002	<0.004	<0.004	0.011	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.012
28...	<0.002	<0.004	<0.004	0.010	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.015
MAY											
13...	<0.002	0.005	0.008	0.013	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.024
JUN											
02...	<0.002	<0.004	0.009	0.011	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.043
13...	<0.002	<0.004	0.008	0.034	0.003	<0.001	<0.003	<0.004	<0.005	<0.004	0.189
JUL											
15...	<0.002	<0.004	0.012	0.018	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.063
AUG											
11...	<0.002	<0.004	0.014	0.022	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.041
SEP											
03...	<0.002	<0.004	<0.004	0.014	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.019

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY--Continued

(National stream-quality accounting and radiochemical network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILIN WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
NOV 1996											
21...	<0.006	<0.004	<0.007	E0.007	0.009	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
DEC											
09...	<0.006	<0.004	<0.007	E0.003	0.012	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
JAN 1997											
21...	<0.006	<0.004	<0.007	<0.018	0.013	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
FEB											
12...	<0.006	<0.004	<0.007	<0.018	0.023	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
MAR											
12...	<0.006	<0.004	<0.007	<0.018	0.010	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
24...	<0.006	<0.004	<0.007	<0.018	0.010	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
APR											
16...	<0.006	<0.004	<0.007	E0.005	0.009	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
28...	<0.006	<0.004	<0.007	E0.003	0.010	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
MAY											
13...	<0.006	<0.004	<0.007	<0.018	0.019	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
JUN											
02...	<0.006	<0.004	<0.007	E0.007	0.025	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
13...	<0.006	<0.004	<0.007	E0.010	0.036	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
JUL											
15...	<0.006	<0.004	<0.007	E0.007	0.016	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
AUG											
11...	<0.006	<0.004	<0.007	E0.007	0.014	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
SEP											
03...	<0.006	<0.004	<0.007	E0.004	0.015	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
NOV 1996											
21...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
DEC											
09...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JAN 1997											
21...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
FEB											
12...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
MAR											
12...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
24...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
APR											
16...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
28...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
MAY											
13...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JUN											
02...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
13...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JUL											
15...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
AUG											
11...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
SEP											
03...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY--Continued

(National stream-quality accounting and radiochemical network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (R2679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (R2685)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (R2670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (R2665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (R2675)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (R2678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (R2661)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (R2681)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (MG/L) (R0154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (R0155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1996											
21...	<0.004	<0.013	0.019	<0.007	<0.013	<0.001	<0.002	<0.002	5	826	92
DEC 09...	<0.004	<0.013	0.016	<0.007	<0.013	<0.001	<0.002	<0.002	22	10600	98
JAN 1997											
21...	<0.004	<0.013	E0.030	<0.007	<0.013	<0.001	<0.002	<0.002	7	1890	98
FEB 12...	<0.004	<0.013	E0.034	<0.007	<0.013	<0.001	<0.002	<0.002	10	2340	98
MAR 12...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	14	6090	95
24...	<0.004	<0.013	E0.028	<0.007	<0.013	<0.001	<0.002	<0.002	13	7810	97
APR 16...	<0.004	<0.013	0.015	<0.007	<0.013	<0.001	<0.002	<0.002	2	259	85
28...	<0.004	<0.013	E0.022	<0.007	<0.013	<0.001	<0.002	<0.002	6	690	93
MAY 13...	<0.004	<0.013	E0.030	<0.007	<0.013	<0.001	<0.002	<0.002	3	403	81
JUN 02...	<0.004	<0.013	0.016	<0.007	<0.013	<0.001	<0.002	<0.002	11	2590	91
13...	<0.004	<0.013	0.037	<0.007	<0.013	<0.001	<0.002	<0.002	--	--	--
JUL 15...	<0.004	<0.013	0.018	<0.007	<0.013	<0.001	<0.002	<0.002	8	864	84
AUG 11...	<0.004	<0.013	0.037	<0.007	<0.013	<0.001	<0.002	<0.002	12	--	77
SEP 03...	<0.004	<0.013	0.011	<0.007	<0.013	<0.001	<0.002	<0.002	2	--	81

QUALITY-ASSURANCE DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	MEDIUM CODE	HARD-NESS (MG/L AS CACO3) (00900)	CALCIUM SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, SOLVED (MG/L AS MG) (00925)	SODIUM, SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, SOLVED (MG/L AS CL) (00940)	SULFATE SOLVED (MG/L AS SO4) (00945)	FLUO-RIDE, SOLVED (MG/L AS F) (00950)
JAN 1997												
21...	1230	R ¹	74	23	3.9	5.5	1.8	75	61	5.8	12	<0.10
FEB 12...	1218	Q ²	--	0.067	0.01	0.034	--	--	--	--	--	--
APR 17...	1208	Q ²	--	--	--	--	--	--	--	--	--	--
JUN 13...	1208	Q ²	--	0.064	0.011	0.026	--	--	--	--	--	--
13...	1210	R ¹	60	19	3.0	4.2	1.7	53	43	5.4	8.5	<0.10
DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
JAN 1997												
21...	5.2	0.020	0.460	0.040	<0.20	0.30	0.040	0.010	0.037	5.0	<1.0	<1
FEB 12...	0.064	0.001	<0.005	<0.002	--	--	--	--	<0.001	<0.30	<0.20	--
APR 17...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 13...	<0.02	0.001	0.007	<0.002	--	--	--	--	0.002	<0.30	<0.20	--
13...	2.4	0.038	0.240	<0.015	<0.20	0.31	0.057	0.014	0.028	3.1	<1.0	<1

1. Surface-water quality-assurance sample
2. Artificial quality-assurance sample

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY--Continued

(National stream-quality accounting and radiochemical network station)

QUALITY-ASSURANCE DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
JAN 1997												
21...	20	<1.0	15	<1.0	<1.0	<1.0	<1.0	10	<1.0	3.0	<1.0	<1.0
FEB												
12...	<0.20	<0.20	<2.0	<0.30	<0.20	<0.20	<0.20	<3.0	<0.30	<0.10	<0.20	<0.50
APR												
17...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
13...	<0.20	<0.20	3.8	<0.30	<0.20	<0.20	2.3	<3.0	<0.30	<0.10	<0.20	<0.50
13...	19	<1.0	17	<1.0	<1.0	<1.0	<1.0	5.7	<1.0	<1.0	<1.0	<1.0
DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C) (00689)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
JAN 1997												
21...	<1	<1.0	65	<6	6.0	<1.0	1.9	0.20	<0.002	<0.002	0.024	<0.002
FEB												
12...	--	<0.20	0.24	--	<0.50	<0.20	--	--	--	--	--	--
APR												
17...	--	--	--	--	--	--	0.30	0.10	<0.002	<0.002	<0.001	<0.002
JUN												
13...	--	<0.20	0.22	--	1.7	<0.20	--	--	--	--	--	--
13...	<1	<1.0	53	<6	2.2	<1.0	2.2	0.50	0.006	0.016	0.680	<0.002
DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	MALA- THON, DIS- SOLVED (UG/L) (39532)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)
JAN 1997												
21...	<0.002	<0.004	<0.004	E0.014	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.021	<0.006
FEB												
12...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
17...	<0.002	<0.004	<0.004	<0.002	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	<0.002	<0.006
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	--
13...	<0.002	E0.002	0.011	E0.034	E0.003	<0.001	<0.003	<0.004	<0.005	<0.004	0.198	<0.006
DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	
JAN 1997												
21...	<0.004	<0.007	<0.018	0.014	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017	<0.004	
FEB												
12...	--	--	--	--	--	--	--	--	--	--	--	
APR												
17...	<0.004	<0.007	<0.018	<0.005	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017	<0.004	
JUN												
13...	--	--	--	--	--	--	--	--	--	--	--	
13...	<0.004	<0.007	E0.010	0.038	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017	<0.004	

TENNESSEE RIVER BASIN

03609750 TENNESSEE RIVER AT HIGHWAY 60, NEAR PADUCAH, KY--Continued

(National stream-quality accounting and radiochemical network station)

QUALITY-ASSURANCE DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THON WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
JAN 1997											
21...	<0.003	<0.002	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.004	<0.005	<0.002
FEB											
12...	--	--	--	--	--	--	--	--	--	--	--
APR											
17...	<0.003	<0.002	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.004	<0.005	<0.002
JUN											
13...	--	--	--	--	--	--	--	--	--	--	--
13...	<0.003	<0.002	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.004	<0.005	<0.002
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 1997											
21...	<0.003	<0.004	<0.013	0.030	<0.007	<0.013	<0.001	<0.002	<0.002	16	97
FEB											
12...	--	--	--	--	--	--	--	--	--	--	--
APR											
17...	<0.003	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	--	--
JUN											
13...	--	--	--	--	--	--	--	--	--	--	--
13...	<0.003	<0.004	<0.013	0.034	<0.007	<0.013	<0.001	<0.002	<0.002	--	--

TENNESSEE RIVER BASIN

03610200 CLARKS RIVER AT ALMO, KY

LOCATION.--Lat 36°41'30", long 88°16'25", Calloway County, Hydrologic Unit 06040006, on left bank at downstream side of bridge on State Highway 464, 0.3 mi southeast of Almo, 5.1 mi upstream from Rockhouse Creek, and at mile 53.5.

DRAINAGE AREA.--134 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 413.46 ft above sea level.

REMARKS.--Estimated daily discharges: Many days between November and July. Records poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	175	700	90	96	12700	70	391	174	280	15	20
2	46	118	500	78	90	14000	60	137	197	80	15	21
3	39	67	260	74	300	5000	66	851	149	56	14	21
4	40	48	170	78	1000	800	80	185	88	44	14	17
5	29	47	150	240	600	1000	1160	101	55	40	13	18
6	26	140	240	160	240	700	642	80	54	32	12	18
7	23	212	157	120	120	400	140	60	42	26	12	20
8	21	132	106	90	140	235	100	62	40	24	12	23
9	21	112	85	80	110	341	70	62	89	22	18	143
10	24	94	73	70	100	700	64	46	43	19	56	28
11	26	74	68	50	90	260	180	42	40	17	19	15
12	26	70	360	42	80	200	700	32	35	18	17	13
13	25	62	240	39	140	185	220	34	275	20	183	11
14	25	84	152	37	300	500	120	35	2210	50	34	11
15	25	80	120	180	200	260	90	31	187	200	321	12
16	25	64	300	200	140	200	80	29	83	40	34	12
17	26	61	700	140	120	160	70	28	100	21	22	11
18	43	120	400	89	90	500	66	26	300	17	19	11
19	30	91	200	67	86	700	80	198	140	16	38	11
20	26	66	140	66	98	400	74	145	80	14	485	11
21	30	149	120	90	360	200	560	44	200	14	50	11
22	48	163	120	300	180	160	160	37	140	139	28	10
23	136	81	340	200	120	140	100	38	70	70	22	12
24	62	61	600	180	80	120	80	42	54	21	19	23
25	45	240	400	140	70	140	60	40	46	18	18	18
26	795	220	210	120	100	160	53	881	500	16	18	14
27	418	200	250	110	1000	180	1090	1350	180	15	19	12
28	143	143	307	240	839	636	478	457	90	39	17	12
29	84	117	184	180	---	200	249	222	66	92	17	11
30	73	500	115	140	---	140	119	163	300	19	22	11
31	152	---	111	100	---	100	---	145	---	17	20	---
TOTAL	2589	3791	7878	3790	6889	41417	7081	5994	6027	1496	1603	581
MEAN	83.5	126	254	122	246	1336	236	193	201	48.3	51.7	19.4
MAX	795	500	700	300	1000	14000	1160	1350	2210	280	485	143
MIN	21	47	68	37	70	100	53	26	35	14	12	10
CFSM	.62	.94	1.90	.91	1.84	9.97	1.76	1.44	1.50	.36	.39	.14
IN.	.72	1.05	2.19	1.05	1.91	11.50	1.97	1.66	1.67	.42	.45	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1997, BY WATER YEAR (WY)

MEAN	51.9	178	366	223	452	305	225	210	101	59.2	47.0	23.6
MAX	205	684	1065	550	1693	1336	623	925	267	264	377	141
(WY)	1986	1989	1983	1988	1989	1997	1983	1983	1996	1989	1995	1996
MIN	2.96	23.1	24.4	27.4	65.5	61.7	21.6	12.4	3.88	4.95	2.40	2.36
(WY)	1988	1988	1996	1987	1996	1995	1986	1988	1988	1986	1983	1983

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1983 - 1997	
ANNUAL TOTAL	50357.7		89136			
ANNUAL MEAN	138		244		185	
HIGHEST ANNUAL MEAN					367	
LOWEST ANNUAL MEAN					69.8	
HIGHEST DAILY MEAN	2700	Jun 2	14000	Mar 2	14000	Mar 2 1997
LOWEST DAILY MEAN	7.2	Aug 24	10	Sep 22	1.6	Aug 29 1983
ANNUAL SEVEN-DAY MINIMUM	8.3	Aug 20	11	Sep 16	1.7	Aug 31 1983
INSTANTANEOUS PEAK FLOW			23300		23300	
INSTANTANEOUS PEAK STAGE			18.35		18.35	
ANNUAL RUNOFF (CFSM)	1.03		1.82		1.38	
ANNUAL RUNOFF (INCHES)	13.98		24.75		18.79	
10 PERCENT EXCEEDS	333		400		335	
50 PERCENT EXCEEDS	61		84		31	
90 PERCENT EXCEEDS	16		17		5.2	

MASSAC CREEK BASIN

03611260 MASSAC CREEK NEAR PADUCAH, KY

LOCATION.--Lat 37°02'29", long 88°42'39", McCracken County, Hydrologic Unit 05140206, on left upstream wingwall of bridge on U.S. Highway 62, 1.2 mi upstream from Middle Fork, 6.9 mi west of post office in Paducah, and at mile 8.3.

DRAINAGE AREA.--14.6 mi².

PERIOD OF RECORD.--October 1971 to current year.

REVISED RECORDS.--1983 (M), 1984 (M).

GAGE.--Water-stage recorder. Datum of gage is 345.53 ft above sea level.

REMARKS.--Estimated daily discharges: Nov. 25, 26, Nov. 30 to Dec. 3, Jan. 10-20, 25-27, Apr. 5-6, Aug. 18-25 and Sept. 25-29. Records fair except for periods of estimated record, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	8.6	22	5.6	8.5	1310	5.6	45	37	1.1	.69	.64
2	1.1	4.4	18	5.5	7.6	652	5.3	155	22	1.1	.71	.62
3	.99	2.8	15	5.1	100	580	5.2	75	8.6	.95	.70	.79
4	.92	2.6	10	14	199	53	7.2	14	6.4	3.2	.72	.62
5	.88	2.5	20	42	25	41	320	8.5	5.3	1.3	.71	.61
6	.91	2.4	15	8.2	13	23	36	6.4	9.0	.96	.70	.59
7	.90	1350	9.7	5.5	11	17	13	5.3	6.7	.90	.66	.61
8	.93	69	7.3	5.0	15	15	9.2	33	4.5	2.2	.82	.69
9	.90	20	6.0	6.8	14	83	7.0	9.4	4.0	53	.94	.72
10	.87	13	5.7	5.0	12	52	6.3	5.8	3.5	2.8	.76	.68
11	.87	9.5	6.5	4.5	10	18	31	4.6	3.2	1.7	.69	.84
12	.87	7.6	858	4.0	8.6	13	158	4.1	3.0	1.4	.92	.72
13	.86	6.9	46	3.5	9.1	39	19	3.7	11	1.3	1.1	.62
14	.86	7.3	22	3.0	26	52	11	4.1	37	1.3	.74	.63
15	.89	6.5	23	10	23	14	8.3	3.0	4.2	2.3	.98	.62
16	.96	5.9	301	50	15	11	7.1	2.6	3.8	1.1	.72	.63
17	1.2	8.3	136	30	9.4	11	6.3	2.6	5.1	1.0	.71	.66
18	5.5	9.2	37	15	8.3	181	5.7	2.6	3.5	.96	.70	.64
19	1.2	7.0	16	10	7.7	73	5.3	16	2.6	.97	1.5	.67
20	1.0	6.1	11	14	7.9	21	4.6	5.6	2.1	.92	2.5	1.0
21	2.2	5.9	10	29	110	14	19	2.6	2.0	.88	1.2	.72
22	38	5.1	15	211	20	10	8.2	2.1	2.9	.84	.68	.64
23	13	5.0	86	45	11	8.4	7.4	2.0	2.0	.81	.66	1.2
24	2.8	6.1	115	23	9.0	7.5	5.5	1.9	1.6	.79	.64	1.2
25	2.1	240	17	12	8.2	15	4.4	1.9	1.4	.76	.63	.60
26	20	180	12	10	35	17	4.1	2.1	1.5	.76	1.5	.58
27	6.2	47	14	32	179	9.8	24	2.1	1.3	.74	.86	.56
28	19	30	12	31	147	9.2	8.5	191	1.4	.75	.66	.68
29	7.2	28	9.1	12	---	7.2	5.3	51	1.2	.75	.64	.60
30	3.9	26	7.3	9.1	---	6.3	89	8.9	1.1	.71	.65	.61
31	2.8	---	6.2	9.3	---	5.8	---	6.9	---	.69	.67	---
TOTAL	141.21	2122.7	1888.8	670.1	1049.3	3369.2	846.5	678.8	198.9	88.94	26.76	20.99
MEAN	4.56	70.8	60.9	21.6	37.5	109	28.2	21.9	6.63	2.87	.86	.70
MAX	38	1350	858	211	199	1310	320	191	37	53	2.5	1.2
MIN	.86	2.4	5.7	3.0	7.6	5.8	4.1	1.9	1.1	.69	.63	.56
CFSM	.31	4.85	4.17	1.48	2.57	7.44	1.93	1.50	.45	.20	.06	.05
IN.	.36	5.41	4.81	1.71	2.67	8.58	2.16	1.73	.51	.23	.07	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1997, BY WATER YEAR (WY)

MEAN	3.19	16.0	29.4	21.8	37.6	32.6	31.8	18.1	8.28	8.37	2.82	4.45
MAX	19.4	70.8	105	48.1	160	109	121	58.8	33.9	37.3	13.9	50.1
(WY)	1986	1997	1983	1974	1989	1997	1973	1983	1975	1983	1982	1985
MIN	.25	.37	.71	.58	4.19	8.36	2.14	1.17	.32	.37	.30	.23
(WY)	1982	1972	1977	1977	1996	1987	1986	1992	1972	1974	1980	1976

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1972 - 1997	
ANNUAL TOTAL	8772.64		11102.20			
ANNUAL MEAN	24.0		30.4		17.7	
HIGHEST ANNUAL MEAN					37.9	
LOWEST ANNUAL MEAN					6.54	
HIGHEST DAILY MEAN	1350	Nov 7	1350	Nov 7	1780	Feb 13 1989
LOWEST DAILY MEAN	.54	Sep 11	.56	Sep 27	.09	Nov 13 1971
ANNUAL SEVEN-DAY MINIMUM	.61	Aug 26	.64	Sep 13	.10	Nov 10 1971
INSTANTANEOUS PEAK FLOW			4310	Mar 1	5990	Sep 5 1985
INSTANTANEOUS PEAK STAGE			14.67	Mar 1	15.86	Sep 5 1985
INSTANTANEOUS LOW FLOW					.06	Nov 14 1971
ANNUAL RUNOFF (CFSM)	1.64		2.08		1.22	
ANNUAL RUNOFF (INCHES)	22.35		28.29		16.51	
10 PERCENT EXCEEDS	36		45		30	
50 PERCENT EXCEEDS	4.4		5.7		2.2	
90 PERCENT EXCEEDS	.74		.70		.42	

OHIO RIVER MAIN STEM

03611500 OHIO RIVER AT METROPOLIS, IL

LOCATION.--Lat 37°08'51", long 88°44'27", McCracken County, Hydrologic Unit 05140206, near center of span on downstream side of pier of Paducah & Illinois Railroad bridge at Metropolis, 9.5 mi downstream from Tennessee River, 37 mi upstream from mouth, and at mile 944.1.

DRAINAGE AREA.--203,000 mi², approximately.

PERIOD OF RECORD.--January 1928 to current year. Prior to April 1928 monthly discharge only, published in WSP 1305. Gage-height records collected 9.6 mi upstream at Paducah since 1890 are contained in reports of National Weather Service. Occasional discharge measurements 1881 to 1924 in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 276.27 ft above sea level. Prior to Dec. 22, 1936, water-stage recorders (temporary installations) at Paducah, Ky., Metropolis and Joppa, Il., and Dam 52. Auxiliary water-stage recorder near Grand Chain, 0.5 mi upstream from Dam 53, and 18 mi downstream from base gage. Prior to May 29, 1936, auxiliary nonrecording gage at Dam 53.

REMARKS.--Estimated daily discharges: Dec. 14-17. Records fair except those below 100,000 ft³/s and for period of estimated record, which are poor. Flow regulated by many dams and reservoirs. Maximum daily discharge includes overflow through Bay Creek and Cache River Valleys.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272000	191000	447000	452000	752000	570000	644000	277000	471000	382000	133000	90300
2	288000	182000	523000	427000	725000	740000	604000	287000	527000	369000	102000	94900
3	292000	182000	611000	419000	701000	867000	584000	336000	622000	345000	88600	97400
4	282000	177000	650000	424000	700000	966000	554000	368000	658000	293000	70200	89900
5	252000	154000	683000	409000	686000	1030000	529000	405000	663000	293000	88600	91500
6	226000	157000	706000	396000	678000	1080000	504000	466000	672000	284000	112000	87900
7	220000	211000	727000	386000	671000	1110000	446000	453000	678000	272000	99800	69800
8	206000	237000	740000	389000	648000	1140000	382000	438000	680000	233000	79200	62200
9	171000	254000	734000	396000	649000	1170000	314000	399000	680000	197000	76700	94700
10	138000	263000	688000	394000	653000	1190000	283000	338000	654000	174000	60700	111000
11	140000	302000	653000	388000	636000	1210000	255000	325000	650000	178000	107000	75500
12	142000	347000	611000	380000	605000	1210000	242000	322000	653000	176000	102000	107000
13	122000	388000	525000	363000	577000	1200000	238000	287000	649000	169000	103000	93600
14	131000	434000	437000	351000	540000	1200000	255000	272000	635000	109000	115000	76400
15	131000	443000	398000	337000	488000	1200000	262000	244000	607000	135000	115000	78200
16	123000	399000	405000	311000	430000	1180000	269000	211000	602000	148000	128000	82600
17	107000	351000	465000	295000	387000	1160000	259000	193000	604000	126000	105000	102000
18	119000	304000	604000	285000	364000	1130000	255000	171000	620000	131000	136000	97900
19	111000	271000	658000	280000	350000	1120000	223000	166000	649000	90300	185000	85000
20	90300	246000	697000	283000	333000	1110000	193000	183000	660000	94800	200000	84700
21	141000	236000	723000	282000	314000	1100000	203000	187000	659000	125000	211000	83500
22	159000	245000	731000	279000	313000	1100000	198000	196000	669000	89400	209000	88600
23	187000	257000	718000	327000	300000	1070000	196000	211000	659000	117000	168000	105000
24	201000	267000	645000	368000	323000	1050000	191000	221000	623000	118000	132000	78500
25	221000	280000	568000	393000	342000	1030000	164000	208000	548000	145000	147000	107000
26	219000	326000	534000	421000	388000	1000000	169000	208000	495000	108000	135000	119000
27	227000	360000	518000	482000	431000	977000	176000	220000	441000	121000	98500	98100
28	251000	384000	505000	560000	452000	927000	208000	270000	395000	126000	120000	128000
29	244000	397000	500000	649000	---	849000	230000	347000	384000	134000	127000	114000
30	230000	409000	488000	692000	---	789000	268000	371000	384000	142000	95000	109000
31	209000	---	475000	738000	---	737000	---	416000	---	156000	90700	---
TOTAL	5852300	8654000	18367000	12556000	14436000	32212000	9298000	8996000	17891000	5580500	3740000	2803200
MEAN	188800	288500	592500	405000	515600	1039000	309900	290200	596400	180000	120600	93440
MAX	292000	443000	740000	738000	752000	1210000	644000	466000	680000	382000	211000	128000
MIN	90300	154000	398000	279000	300000	570000	164000	166000	384000	89400	60700	62200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1997, BY WATER YEAR (WY)

MEAN	103600	166300	293600	398800	469600	530000	459900	337200	219400	152500	121600	100200
MAX	335600	450300	717500	1022000	1218000	1039000	896400	917800	596400	441200	331100	383500
(WY)	1980	1986	1973	1937	1937	1997	1994	1983	1997	1928	1958	1979
MIN	22710	33400	48610	71650	77380	154700	129900	75180	53840	23350	25390	29330
(WY)	1931	1931	1931	1940	1934	1941	1986	1941	1936	1930	1930	1930

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1928 - 1997	
ANNUAL TOTAL	148791600		140386000			
ANNUAL MEAN	406500		384600		277700	
HIGHEST ANNUAL MEAN					436600	
LOWEST ANNUAL MEAN					120300	
HIGHEST DAILY MEAN	909000	Jan 31	1210000	Mar 11	1850000	Feb 1 1937
LOWEST DAILY MEAN	78200	Sep 1	60700	Aug 10	15000	Jul 20 1930
ANNUAL SEVEN-DAY MINIMUM	91700	Aug 30	83900	Aug 4	16600	Jul 20 1930
INSTANTANEOUS PEAK FLOW			1220000		1850000	
INSTANTANEOUS PEAK STAGE			59.11		66.60	
10 PERCENT EXCEEDS	732000		726000		641000	Feb 2 1937
50 PERCENT EXCEEDS	358000		300000		191000	
90 PERCENT EXCEEDS	142000		102000		68000	

BAYOU CREEK BASIN

03611800 BAYOU CREEK NEAR HEATH, KY

LOCATION.--Lat 37°05'58", long 88°49'27", McCracken County, Hydrologic Unit 05140206, on left downstream wingwall of bridge on Dyke Road, 1.0 mi southwest of Paducah Gaseous Diffusion Plant, 2.0 mi northwest of Heath, 3.0 mi upstream from Brushy Creek, and at mile 7.3.

DRAINAGE AREA.--6.55 mi².

PERIOD OF RECORD.--October 1990 to November 1991, June 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 366.06 ft above sea level (levels by U.S. Department of Energy).

REMARKS.--Estimated daily discharges: Oct. 3-17, Oct. 30 to Nov. 6, Nov. 26-30, Dec. 19-21, Jan. 8-21, July 16-28, and Aug. 4-14. Records fair except for periods of estimated record, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.37	.92	34	2.2	2.3	710	1.1	.80	8.4	.79	.21	.13
2	.40	.88	3.6	2.1	2.0	72	1.0	98	5.9	.25	.20	.12
3	.40	.84	2.2	2.0	59	161	.93	11	2.7	.21	.19	.24
4	.41	.96	1.4	2.6	46	5.9	1.8	3.1	1.8	.38	.20	.14
5	.42	1.2	3.4	5.4	5.3	3.8	153	2.0	1.5	.29	.21	.17
6	.41	1.4	2.9	2.7	3.6	3.2	6.1	1.3	3.2	.25	.21	.17
7	.42	347	1.7	2.1	3.1	3.5	3.0	.99	3.2	.23	.20	.13
8	.48	7.7	1.2	1.7	3.7	3.3	2.2	2.5	3.9	1.9	.28	.15
9	.43	3.2	1.0	1.5	3.6	16	1.6	1.6	3.3	15	.52	.15
10	.40	2.4	.96	1.3	3.3	7.2	1.5	.90	1.6	.53	.36	.16
11	.42	1.8	1.1	1.2	2.8	3.1	2.6	.67	1.4	.26	.26	.16
12	.43	1.4	150	1.1	2.4	2.2	17	.55	1.3	.22	.20	.14
13	.41	1.2	5.8	1.0	2.3	8.1	3.6	.45	16	.27	.21	.14
14	.43	1.4	3.8	.96	4.4	9.6	2.4	.67	10	.34	.21	.14
15	.40	1.2	7.8	3.5	4.4	2.8	1.8	.36	1.8	.62	2.7	.13
16	.40	1.1	100	10	3.3	2.1	1.4	.30	1.1	.40	.33	.14
17	.46	1.4	18	7.0	2.4	2.0	1.2	.29	1.1	.30	.18	.14
18	1.8	1.6	6.7	5.6	2.0	30	1.1	.26	1.1	.25	.21	.16
19	.54	1.4	3.7	4.8	1.9	7.9	.99	47	.58	.21	.42	.17
20	.40	1.2	3.0	4.0	2.1	4.0	.90	4.6	.43	.24	.68	.55
21	1.1	1.4	2.8	9.0	19	3.0	2.9	1.8	.42	.23	.22	.28
22	6.1	1.2	4.0	107	4.4	2.2	1.7	1.1	.71	.22	.20	.19
23	1.9	1.2	51	8.2	2.9	1.8	1.5	.66	.40	.22	.18	.34
24	.84	1.2	25	5.4	2.3	1.7	1.1	.51	.33	.20	.20	.40
25	.61	151	4.6	4.0	1.9	3.2	.80	.52	.33	.22	.23	.27
26	5.1	20	3.6	3.1	21	3.0	.70	.51	.45	.24	.21	.21
27	48	4.0	3.7	4.3	69	2.2	4.5	.49	.36	.23	.21	.19
28	15	2.2	3.4	4.1	138	2.7	2.6	162	.35	.21	.19	.17
29	3.5	1.8	3.0	2.5	---	1.8	1.5	8.2	.96	3.2	.16	.18
30	1.5	120	2.5	2.1	---	1.5	1.1	2.8	1.0	.60	.18	.16
31	.90	---	2.3	2.3	---	1.3	---	2.1	---	.35	.18	---
TOTAL	94.38	684.20	458.16	214.76	418.4	1082.1	223.62	358.03	75.62	28.86	10.14	5.82
MEAN	3.04	22.8	14.8	6.93	14.9	34.9	7.45	11.5	2.52	.93	.33	.19
MAX	48	347	150	107	138	710	153	162	16	15	2.7	.55
MIN	.37	.84	.96	.96	1.9	1.3	.70	.26	.33	.20	.16	.12
CFSM	.46	3.48	2.26	1.06	2.28	5.33	1.14	1.76	.38	.14	.05	.03
IN.	.54	3.89	2.60	1.22	2.38	6.15	1.27	2.03	.43	.16	.06	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1997, BY WATER YEAR (WY)

MEAN	1.07	6.77	12.9	9.01	11.1	13.2	8.41	10.5	3.47	1.65	1.13	.74
MAX	3.04	22.8	37.2	13.6	15.6	34.9	16.6	16.5	8.83	7.14	5.42	2.11
(WY)	1997	1997	1991	1994	1991	1997	1994	1995	1996	1996	1995	1993
MIN	.32	.45	.71	2.31	.60	3.26	4.90	.56	.17	.089	.12	.19
(WY)	1996	1991	1996	1996	1996	1995	1991	1994	1994	1993	1993	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1991 - 1997	
ANNUAL TOTAL	2587.89		3654.09			
ANNUAL MEAN	7.07		10.0		6.76	
HIGHEST ANNUAL MEAN					10.0	1997
LOWEST ANNUAL MEAN					3.85	1996
HIGHEST DAILY MEAN	347	Nov 7	710	Mar 1	710	Mar 1 1997
LOWEST DAILY MEAN	.10	Jun 29	.12	Sep 2	.05	Sep 7 1991
ANNUAL SEVEN-DAY MINIMUM	.12	Jun 26	.14	Sep 11	.06	Jul 2 1993
INSTANTANEOUS PEAK FLOW			1870	Mar 1	1870	Mar 1 1997
INSTANTANEOUS PEAK STAGE			9.90	Mar 1	9.90	Mar 1 1997
ANNUAL RUNOFF (CFSM)	1.08		1.53		1.03	
ANNUAL RUNOFF (INCHES)	14.70		20.75		14.03	
10 PERCENT EXCEEDS	5.9		8.6		5.4	
50 PERCENT EXCEEDS	.76		1.4		.46	
90 PERCENT EXCEEDS	.20		.20		.13	

BAYOU CREEK BASIN

03611850 BAYOU CREEK NEAR GRAHAMVILLE, KY

LOCATION.--Lat 37°08'41", long 88°49'38", McCracken County, Hydrologic Unit 05140206, near right bank on downstream side of bridge on State Highway 358, 750 ft downstream of Brushy Creek, 1.4 mi north of Paducah Gaseous Diffusion Plant, 3.6 mi northwest of Grahamville, and at mile 4.1.

DRAINAGE AREA.--14.9 mi².

PERIOD OF RECORD.--October 1990 to November 1991, June 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 330 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-8, 11-14, Nov. 3-6, 10-24, Dec. 19-21, Dec. 26 to Jan. 4, Jan. 6-20, Jan. 25 to Feb. 3, Feb. 6-26, Mar. 4 to May 7 and Sept. 15-16, 22-24, 29-30. Records fair except for periods of estimated record, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.5	132	11	12	923	11	24	48	8.8	8.5	5.3
2	4.3	3.1	26	10	11	300	10	160	31	8.0	7.8	5.8
3	4.2	3.0	20	9.4	90	349	9.2	80	18	7.7	7.5	10
4	4.2	3.3	15	12	137	30	20	34	15	8.6	7.7	8.2
5	4.1	4.0	20	24	25	28	400	26	15	7.9	7.7	7.2
6	4.1	5.0	17	14	17	26	30	12	16	7.9	7.7	5.2
7	4.0	623	12	12	14	24	18	10	15	8.0	7.6	4.5
8	4.0	93	10	10	15	30	13	14	41	11	8.3	5.3
9	1.9	45	9.5	13	16	80	11	11	23	60	8.9	5.7
10	2.3	30	8.7	11	15	40	10	9.4	14	7.7	8.4	5.5
11	5.0	20	8.6	9.4	13	24	20	8.6	12	7.0	8.9	5.7
12	5.3	16	325	9.0	12	18	80	7.2	13	6.6	10	5.3
13	5.6	14	30	8.6	12	50	26	6.6	42	6.4	9.4	4.8
14	6.0	12	24	8.0	15	70	19	7.9	83	8.4	8.9	4.6
15	6.4	14	35	100	16	40	16	7.1	14	12	16	4.6
16	9.0	12	260	60	13	20	14	6.9	13	9.9	9.6	4.4
17	14	12	77	40	12	15	11	7.5	13	8.5	9.3	4.0
18	15	15	31	30	11	100	10	7.7	13	9.5	9.4	3.6
19	9.3	13	22	26	10	44	9.0	81	12	9.9	10	3.5
20	7.5	12	20	20	12	22	8.0	17	12	9.7	12	7.0
21	14	14	18	31	50	18	17	9.5	12	9.8	8.1	4.0
22	60	15	22	245	19	14	14	8.8	13	10	6.9	3.4
23	24	11	95	32	13	12	12	8.3	11	9.2	7.2	5.6
24	8.1	10	94	24	10	10	10	8.5	11	8.8	6.8	7.0
25	9.9	376	23	20	9.0	20	8.0	8.5	10	9.3	6.9	4.2
26	43	124	18	17	30	18	7.0	7.2	11	9.9	7.7	3.4
27	173	37	16	18	182	15	20	6.9	11	9.8	7.1	3.9
28	142	28	15	22	270	20	12	295	10	9.8	6.3	3.9
29	16	27	14	19	---	16	7.0	58	9.5	14	5.6	4.0
30	6.4	105	12	16	---	14	10	21	9.0	10	5.4	3.8
31	3.1	---	11	13	---	12	---	18	---	9.6	5.5	---
TOTAL	620.1	1700.9	1440.8	894.4	1061.0	2402	862.2	987.6	570.5	333.7	257.1	153.4
MEAN	20.0	56.7	46.5	28.9	37.9	77.5	28.7	31.9	19.0	10.8	8.29	5.11
MAX	173	623	325	245	270	923	400	295	83	60	16	10
MIN	1.9	3.0	8.6	8.0	9.0	10	7.0	6.6	9.0	6.4	5.4	3.4
CFSM	1.34	3.81	3.12	1.94	2.54	5.20	1.93	2.14	1.28	.72	.56	.34
IN.	1.55	4.25	3.60	2.23	2.65	6.00	2.15	2.47	1.42	.83	.64	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1997, BY WATER YEAR (WY)

MEAN	9.84	21.6	31.7	28.5	29.2	35.2	27.7	28.6	17.4	10.8	8.91	7.78
MAX	20.0	56.7	60.7	39.2	37.9	77.5	41.0	38.4	27.9	24.3	16.8	12.6
(WY)	1997	1997	1991	1994	1997	1997	1994	1996	1996	1996	1995	1993
MIN	5.79	5.76	6.66	10.4	6.13	15.0	17.3	9.30	7.56	6.37	6.51	5.11
(WY)	1992	1991	1996	1996	1996	1995	1991	1994	1991	1994	1993	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1991 - 1997
ANNUAL TOTAL	9113.5	11283.7	
ANNUAL MEAN	24.9	30.9	21.7
HIGHEST ANNUAL MEAN			30.9
LOWEST ANNUAL MEAN			16.4
HIGHEST DAILY MEAN	623	Nov 7	923
LOWEST DAILY MEAN	1.9	Oct 9	1.9
ANNUAL SEVEN-DAY MINIMUM	3.5	Oct 4	3.1
INSTANTANEOUS PEAK FLOW			1750
INSTANTANEOUS PEAK STAGE			12.60
ANNUAL RUNOFF (CFSM)	1.67		2.07
ANNUAL RUNOFF (INCHES)	22.75		28.17
10 PERCENT EXCEEDS	37		53
50 PERCENT EXCEEDS	8.6		12
90 PERCENT EXCEEDS	4.9		5.3

BAYOU CREEK BASIN

03611900 LITTLE BAYOU CREEK NEAR GRAHAMVILLE, KY

LOCATION.--Lat 37°08'22", long 88°47'26", McCracken County, Hydrologic Unit 05140206, on left bank on reservation of Tennessee Valley Authority Shawnee Steam Plant, 30 ft upstream of bridge on unnamed county road, 1.1 mi southwest of Shawnee Steam Plant, 2.2 mi upstream from Bayou Creek, and 2.3 mi north of Grahamville.

DRAINAGE AREA.--5.78 mi².

PERIOD OF RECORD.--October 1990 to November 1991, June 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 324.80 ft above sea level (levels by U.S. Department of Energy).

REMARKS.--Estimated daily discharges: Oct. 4-7, 9-17, Dec. 17-21, 24-26, Jan. 9-20, 28-30, Mar. 2-31, Apr. 5 to May 22, and Sept. 8-19, 27-30. Records fair except for periods of estimated record, which are poor. Some regulation from Paducah Gaseous Diffusion Plant, 0.4 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.76	1.2	50	1.8	2.4	506	1.6	1.3	14	1.3	1.0	1.3
2	.77	1.0	8.2	2.1	2.1	120	1.4	110	16	1.2	1.1	1.3
3	.77	1.0	3.5	2.1	26	180	1.3	20	3.8	1.2	1.1	2.3
4	.82	1.3	2.2	1.9	60	14	2.2	6.0	2.5	1.4	1.1	1.4
5	.83	1.4	5.0	7.3	10	6.0	140	3.2	1.9	1.3	1.1	1.5
6	.86	1.5	5.2	3.0	4.5	5.0	18	2.0	1.8	1.2	1.1	1.4
7	.87	311	2.9	1.9	3.4	5.2	6.0	1.4	1.7	1.2	1.1	1.4
8	.95	21	1.9	1.6	5.0	5.0	4.0	4.0	9.2	1.5	1.2	1.5
9	.99	4.8	1.6	1.5	4.4	18	3.0	2.8	10	13	1.5	1.7
10	1.0	3.0	1.5	1.4	3.6	9.0	2.6	1.8	2.6	1.2	1.7	1.8
11	1.2	2.2	1.6	1.4	3.1	5.0	4.0	1.6	2.0	.99	1.1	1.8
12	1.3	1.7	97	1.3	2.5	4.0	20	1.2	1.7	.98	1.1	1.9
13	1.4	1.6	11	1.2	2.5	9.0	7.0	.90	7.6	.96	1.0	1.8
14	1.5	1.8	4.8	1.4	4.4	11	3.6	1.0	30	.96	1.0	1.8
15	1.6	1.7	7.9	20	5.8	5.0	2.6	.82	3.1	1.1	5.1	1.9
16	1.8	1.6	77	50	4.0	3.0	2.1	.74	2.0	.99	1.3	1.9
17	2.7	2.1	30	27	2.7	2.8	1.8	.72	1.9	.95	1.3	1.9
18	5.6	2.1	12	16	2.1	35	1.7	.70	2.1	.93	1.2	1.9
19	.90	1.9	7.0	10	1.9	9.0	1.6	40	1.5	.92	1.4	1.9
20	.94	1.8	5.0	7.0	2.2	7.0	1.5	5.0	1.3	.90	4.7	4.0
21	2.8	3.0	4.4	15	25	5.4	4.0	1.6	1.3	.93	1.4	2.1
22	8.1	2.1	3.7	80	7.5	4.4	2.4	1.5	2.2	.95	1.3	1.9
23	4.8	1.9	23	17	3.0	3.8	1.8	1.4	1.4	.97	1.2	3.0
24	1.5	1.9	40	7.3	2.0	3.2	1.5	1.3	1.2	.90	1.2	4.7
25	1.3	113	9.0	4.8	1.7	7.0	1.1	1.4	1.1	.97	1.2	2.8
26	5.0	28	4.6	3.1	8.1	6.6	.90	1.4	1.5	1.0	2.0	2.3
27	49	5.4	4.3	3.7	64	5.4	6.0	1.4	1.1	.95	1.5	2.2
28	32	2.9	4.3	5.0	97	6.0	3.6	155	1.1	.97	1.3	2.3
29	4.2	2.2	3.3	4.0	---	3.8	2.3	40	1.4	1.1	1.3	2.5
30	1.7	23	2.9	2.4	---	2.6	1.7	4.4	1.3	1.0	1.2	2.6
31	1.0	---	2.6	2.2	---	1.8	---	2.8	---	1.0	1.3	---
TOTAL	138.96	549.1	437.4	304.4	360.9	1009.0	251.30	417.38	130.3	44.92	46.1	62.8
MEAN	4.48	18.3	14.1	9.82	12.9	32.5	8.38	13.5	4.34	1.45	1.49	2.09
MAX	49	311	97	80	97	506	140	155	30	13	5.1	4.7
MIN	.76	1.0	1.5	1.2	1.7	1.8	.90	.70	1.1	.90	1.0	1.3
CFSM	.78	3.17	2.44	1.70	2.23	5.63	1.45	2.33	.75	.25	.26	.36
IN.	.89	3.53	2.82	1.96	2.32	6.49	1.62	2.69	.84	.29	.30	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1997, BY WATER YEAR (WY)

MEAN	2.32	6.90	12.1	10.3	10.3	13.2	9.65	9.55	3.36	2.40	1.46	1.87
MAX	4.48	18.3	33.5	17.9	17.0	32.5	19.2	13.5	6.67	7.87	3.34	2.98
(WY)	1997	1997	1991	1991	1991	1997	1994	1997	1996	1996	1995	1993
MIN	1.34	1.33	1.26	3.02	1.02	3.79	5.62	1.48	1.04	.82	.72	1.12
(WY)	1996	1992	1996	1996	1996	1995	1991	1994	1994	1991	1996	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1991 - 1997	
ANNUAL TOTAL	2584.99		3752.56		7.07	
ANNUAL MEAN	7.06		10.3		10.3	
HIGHEST ANNUAL MEAN					1997	
LOWEST ANNUAL MEAN					1996	
HIGHEST DAILY MEAN	311	Nov 7	506	Mar 1	506	Mar 1 1997
LOWEST DAILY MEAN	.45	Aug 14	.70	May 18	.02	May 25 1995
ANNUAL SEVEN-DAY MINIMUM	.57	Aug 14	.81	Oct 1	.43	Sep 25 1991
INSTANTANEOUS PEAK FLOW			1300	Mar 1	1300	Mar 1 1997
INSTANTANEOUS PEAK STAGE			11.26	Mar 1	11.26	Mar 1 1997
ANNUAL RUNOFF (CFSM)	1.22		1.78		1.22	
ANNUAL RUNOFF (INCHES)	16.64		24.15		16.62	
10 PERCENT EXCEEDS	9.3		17		9.1	
50 PERCENT EXCEEDS	1.2		2.1		1.2	
90 PERCENT EXCEEDS	.65		1.0		.70	

OHIO RIVER MAIN STEM

03612500 OHIO RIVER AT LOCK AND DAM 53, NEAR GRAND CHAIN, IL

(National stream-quality accounting network station)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°12'11", long 89°02'30", Pulaski County, Hydrologic Unit 05140206, at auxiliary gaging station, 0.5 mi upstream from Gar Creek, 3.0 mi southwest of Grand Chain, 18.1 mi downstream from gaging station at Metropolis, and at mile 962.2.

DRAINAGE AREA.--203,100 mi², approximately.

PERIOD OF RECORD.--Water years 1955 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1954 to September 1970, January 1973 to September 1990.

WATER TEMPERATURES: October 1954 to September 1970, January 1973 to September 1990.

REMARKS.--Records of daily discharge are published for station at Metropolis, IL, (station 03611500). Flow regulated by many days dams and reservoirs.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 693 microsiemens, Nov. 25, 1968; minimum daily, 170 microsiemens, Feb. 9, 1957, Jan. 21, 1973.

WATER TEMPERATURES: Maximum daily, 31.0°C, July 15, 1964, July 17-21, 25, 1977; minimum daily, 0.0°C, on several days during most winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	STREAM FLOW INSTANTANEOUS (FTS ² /S) SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATURATION (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	
NOV 1996												
20...	1310	246000	296	7.1	11.0	39	--	--	110	32	7.7	
JAN 1997												
22...	1220	276000	308	7.3	4.0	25	--	--	120	34	8.1	
FEB												
11...	1300	642000	273	7.4	5.0	97	--	--	110	32	7.0	
MAR												
11...	1220	1120000	187	7.1	10.5	130	9.9	88	76	23	4.5	
26...	1150	872000	238	7.6	11.0	46	11.5	104	110	31	7.4	
APR												
17...	1200	276000	259	7.6	13.0	21	10.0	95	120	34	9.1	
29...	1205	243000	326	7.5	15.0	5.2	10.2	102	140	38	11	
MAY												
14...	1400	272000	328	7.4	19.5	25	--	--	130	37	9.6	
JUN												
03...	1145	623000	296	7.6	19.0	67	8.3	90	120	33	8.4	
12...	1325	673000	282	7.4	20.0	49	7.0	77	120	34	7.8	
JUL												
02...	1245	378000	259	7.4	26.5	18	7.4	92	120	35	7.6	
16...	1230	152000	295	7.8	28.5	7.8	7.7	--	120	35	8.4	
AUG												
12...	1430	95000	248	8.0	28.0	5.0	8.2	104	100	29	6.9	
SEP												
04...	1220	--	276	7.9	27.0	3.8	7.8	97	100	28	8.1	
DATE		SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKALINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV 1996												
20...	12	2.9	89	73	14	43	0.10	5.3	180	0.010	0.890	
JAN 1997												
22...	11	2.0	106	87	13	36	0.10	5.9	174	0.020	1.00	
FEB												
11...	8.7	2.0	84	69	12	32	0.10	5.4	155	0.020	1.30	
MAR												
11...	5.3	2.2	59	48	7.6	21	0.10	4.6	113	0.030	1.00	
26...	6.9	2.0	85	70	9.8	32	<0.10	5.3	153	0.013	1.31	
APR												
17...	9.2	2.0	96	79	11	44	0.12	4.6	177	0.016	1.11	
29...	11	1.9	97	80	14	48	0.12	3.5	195	0.019	1.12	
MAY												
14...	12	2.3	99	81	14	46	0.16	3.5	187	0.036	1.09	
JUN												
03...	11	2.3	76	62	14	43	0.15	2.9	177	0.063	1.47	
12...	7.2	2.7	77	63	11	32	0.15	5.2	181	0.020	2.47	
JUL												
02...	6.9	2.3	--	--	8.7	27	0.15	5.2	174	0.028	1.46	
16...	9.2	2.1	--	--	11	30	0.13	4.4	177	0.017	1.06	
AUG												
12...	8.7	2.1	--	--	11	28	0.12	1.7	149	0.032	0.485	
SEP												
04...	12	2.2	--	69	15	36	0.16	1.9	166	0.014	0.389	

OHIO RIVER MAIN STEM

03612500 OHIO RIVER AT LOCK AND DAM 53, NEAR GRAND CHAIN, IL--Continued

(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
NOV 1996											
20...	<0.015	<0.20	0.50	0.130	0.030	0.012	7.0	<1.0	<1	30	<1.0
JAN 1997											
22...	0.060	<0.20	0.40	0.090	0.030	0.033	11	<1.0	<1	28	<1.0
FEB											
11...	0.050	<0.20	0.80	0.340	0.020	0.047	6.0	<1.0	<1	25	<1.0
MAR											
11...	0.050	0.30	0.90	0.350	<0.010	0.009	7.0	<1.0	<1	23	<1.0
26...	<0.015	<0.20	0.25	0.170	0.030	0.186	7.0	<1.0	<1	26	<1.0
APR											
17...	0.018	<0.20	0.44	0.077	0.014	0.021	5.1	<1.0	<1	29	<1.0
29...	0.030	0.29	0.32	0.048	0.017	0.015	4.8	<1.0	<1	32	<1.0
MAY											
14...	0.039	0.24	0.36	0.089	0.027	0.034	6.1	<1.0	<1	32	<1.0
JUN											
03...	<0.015	<0.20	0.60	0.224	<0.010	0.049	6.4	<1.0	1	31	<1.0
12...	<0.015	0.24	0.69	0.200	0.025	0.042	7.5	<1.0	<1	31	<1.0
JUL											
02...	<0.015	<0.20	0.30	0.067	0.016	0.043	5.1	<1.0	<1	30	<1.0
16...	<0.015	<0.20	0.43	0.033	<0.010	0.022	7.3	<1.0	1	31	<1.0
AUG											
12...	<0.015	<0.20	0.47	0.079	<0.010	0.014	6.0	<1.0	1	29	<1.0
SEP											
04...	0.026	0.23	0.35	0.045	0.021	0.020	7.9	<1.0	1	29	<1.0
DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
NOV 1996											
20...	31	<1.0	<1.0	<1.0	2.0	18	<1.0	2.0	2.0	1.0	<1
JAN 1997											
22...	32	<1.0	<1.0	<1.0	<1.0	19	<1.0	25	1.0	<1.0	<1
FEB											
11...	27	<1.0	<1.0	<1.0	1.0	23	<1.0	2.0	1.0	<1.0	<1
MAR											
11...	20	<1.0	<1.0	<1.0	<1.0	32	<1.0	8.0	<1.0	<1.0	<1
26...	22	<1.0	<1.0	<1.0	1.0	9.0	<1.0	3.0	<1.0	<1.0	<1
APR											
17...	27	<1.0	1.3	<1.0	<1.0	5.1	<1.0	1.4	1.2	1.3	<1
29...	38	<1.0	1.9	<1.0	<1.0	3.4	<1.0	2.2	1.6	<1.0	<1
MAY											
14...	35	<1.0	1.9	<1.0	1.4	<3.0	<1.0	2.4	1.8	1.2	<1
JUN											
03...	36	<1.0	1.1	<1.0	1.2	6.1	<1.0	1.5	1.7	<1.0	<1
12...	31	<1.0	1.1	<1.0	1.9	6.3	<1.0	<1.0	1.3	1.1	<1
JUL											
02...	32	<1.0	2.1	<1.0	1.3	4.2	<1.0	1.7	1.5	<1.0	<1
16...	35	<1.0	2.5	<1.0	1.1	4.5	<1.0	<1.0	1.7	<1.0	<1
AUG											
12...	39	<1.0	<1.0	<1.0	1.9	3.7	<1.0	<1.0	1.8	<1.0	<1
SEP											
04...	51	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	1.0	2.7	<1.0	<1

OHIO RIVER MAIN STEM

03612500 OHIO RIVER AT LOCK AND DAM 53, NEAR GRAND CHAIN, IL

(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
NOV 1996											
20...	<1.0	140	<6	1.0	<1.0	3.0	1.2	<0.002	0.006	0.105	<0.002
JAN 1997											
22...	<1.0	140	<6	2.0	<1.0	2.3	0.80	E0.003	E0.003	0.054	<0.002
FEB											
11...	<1.0	130	<6	<1.0	<1.0	3.1	1.8	E0.004	E0.004	0.057	<0.002
MAR											
11...	<1.0	83	<6	1.0	<1.0	3.8	0.40	E0.003	<0.002	0.023	<0.002
26...	<1.0	120	<6	6.0	<1.0	2.7	--	0.005	<0.002	0.059	<0.002
APR											
17...	<1.0	142	<6	<1.0	<1.0	2.5	0.80	0.010	0.039	0.531	<0.002
29...	<1.0	158	<6	1.3	<1.0	2.4	1.0	0.008	0.058	0.722	<0.002
MAY											
14...	<1.0	161	<6	<1.0	<1.0	2.8	0.70	0.104	0.493	3.18	<0.002
JUN											
03...	<1.0	148	<6	3.9	<1.0	2.6	1.8	0.169	0.560	6.80	<0.002
12...	<1.0	137	<6	2.1	<1.0	3.2	0.90	0.286	0.816	6.35	<0.002
JUL											
02...	<1.0	126	<6	1.8	<1.0	2.8	0.60	0.040	0.139	2.16	<0.002
16...	<1.0	139	<6	2.8	<1.0	2.4	0.80	0.023	0.055	1.16	<0.002
AUG											
12...	<1.0	127	<6	5.5	<1.0	2.3	0.60	0.009	0.016	0.500	<0.002
SEP											
04...	<1.0	138	<6	1.8	<1.0	2.3	0.60	<0.002	<0.002	0.210	<0.002

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR- PYRIFOS SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	MALA- THON, DIS- SOLVED (UG/L) (39532)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)
NOV 1996											
20...	<0.002	0.023	0.016	E0.010	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.043
JAN 1997											
22...	<0.002	<0.004	0.010	E0.022	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.026
FEB											
11...	<0.002	<0.004	0.015	E0.018	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.064
MAR											
11...	<0.002	E0.002	0.010	E0.006	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.024
26...	<0.002	0.004	0.012	E0.026	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.038
APR											
17...	<0.002	0.006	0.036	E0.031	<0.002	<0.001	<0.003	<0.004	<0.005	0.009	0.226
29...	<0.002	0.005	0.036	E0.034	<0.002	<0.001	<0.003	<0.004	<0.005	0.008	0.201
MAY											
14...	E0.003	0.014	0.389	E0.077	0.008	<0.001	<0.003	<0.004	<0.005	0.032	0.965
JUN											
03...	0.005	<0.004	0.571	E0.194	0.007	<0.001	<0.003	<0.004	<0.005	0.037	2.66
12...	E0.004	<0.004	1.26	E0.300	0.006	<0.001	<0.003	<0.004	<0.005	0.110	3.19
JUL											
02...	<0.002	<0.004	0.468	E0.219	0.006	<0.001	<0.003	<0.004	<0.005	0.032	0.893
16...	<0.002	<0.004	0.249	E0.076	<0.002	<0.001	<0.003	<0.004	<0.005	0.010	0.417
AUG											
12...	<0.002	<0.004	0.066	E0.068	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.178
SEP											
04...	<0.002	<0.004	0.021	E0.032	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.056

OHIO RIVER MAIN STEM

03612500 OHIO RIVER AT LOCK AND DAM 53, NEAR GRAND CHAIN, IL

(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	P.P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
NOV 1996											
20...	<0.006	<0.004	<0.007	E0.007	0.013	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
JAN 1997											
22...	<0.006	<0.004	<0.007	<0.018	0.012	<0.002	E0.002	<0.003	<0.002	<0.003	<0.017
FEB											
11...	<0.006	<0.004	<0.007	<0.018	0.012	<0.002	E0.003	<0.003	<0.002	<0.003	<0.017
MAR											
11...	<0.006	<0.004	<0.007	E0.004	0.006	<0.002	E0.005	<0.003	<0.002	<0.003	<0.017
26...	<0.006	<0.004	<0.007	E0.006	0.013	<0.002	<0.003	<0.003	E0.000	<0.003	<0.017
APR											
17...	<0.006	<0.004	<0.007	<0.018	0.132	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
29...	<0.006	<0.004	<0.007	E0.008	0.095	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
MAY											
14...	<0.006	<0.004	<0.007	E0.014	0.255	<0.002	<0.003	E0.015	<0.002	<0.003	<0.017
JUN											
03...	<0.006	<0.004	<0.007	E0.016	0.538	<0.002	<0.003	E0.050	E0.001	<0.003	<0.017
12...	<0.006	<0.004	<0.007	E0.014	0.647	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
JUL											
02...	<0.006	<0.004	<0.007	E0.014	0.190	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
16...	<0.006	<0.004	<0.007	E0.011	0.104	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
AUG											
12...	<0.006	<0.004	<0.007	E0.013	0.068	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
SEP											
04...	<0.006	<0.004	<0.007	E0.016	0.028	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)
NOV 1996											
20...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JAN 1997											
22...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
FEB											
11...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
MAR											
11...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
26...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
APR											
17...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
29...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
MAY											
14...	0.006	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JUN											
03...	0.010	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
12...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JUL											
02...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
16...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
AUG											
12...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
SEP											
04...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003

OHIO RIVER MAIN STEM

03612500 OHIO RIVER AT LOCK AND DAM 53, NEAR GRAND CHAIN, IL

(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1996											
20...	<0.004	<0.013	E0.007	<0.007	<0.013	<0.001	<0.002	<0.002	67	44500	98
JAN 1997											
22...	<0.004	<0.013	0.010	<0.007	<0.013	<0.001	<0.002	<0.002	62	46200	97
FEB											
11...	<0.004	<0.013	E0.013	<0.007	<0.013	<0.001	<0.002	<0.002	194	336000	96
MAR											
11...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	E0.002	<0.002	232	702000	96
26...	<0.004	<0.013	E0.012	<0.007	<0.013	<0.001	<0.002	<0.002	60	141000	94
APR											
17...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	14	10400	88
29...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	10	6560	94
MAY											
14...	<0.004	<0.013	E0.022	<0.007	<0.013	<0.001	<0.002	<0.002	28	20600	94
JUN											
03...	<0.004	<0.013	0.011	<0.007	<0.013	<0.001	E0.004	<0.002	184	310000	87
12...	<0.004	<0.013	0.017	<0.007	<0.013	<0.001	<0.002	<0.002	141	256000	94
JUL											
02...	<0.004	<0.013	0.012	<0.007	<0.013	<0.001	<0.002	<0.002	--	--	--
16...	<0.004	<0.013	0.013	<0.007	<0.013	<0.001	<0.002	<0.002	24	9850	97
AUG											
12...	<0.004	<0.013	0.024	<0.007	<0.013	<0.001	<0.002	<0.002	24	6070	91
SEP											
04...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	5	--	86

QUALITY-ASSURANCE DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	MEDIUM CODE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	FLURO-RIDE, DIS-SOLVED (MG/L AS F) (00950)		
JAN 1997														
22...	1228	Q ¹	--	0.022	0.005	<0.025	--	91	74	--	--	--		
FEB														
11...	1310	R ²	110	31	7.0	8.5	2.0	--	--	12	32	0.10		
MAY														
14...	1408	Q ¹	--	--	--	--	--	--	--	--	--	--		
JUN														
03...	1155	R ²	120	33	8.4	11	2.3	78	64	14	43	0.15		
JUL														
16...	1238	Q ¹	--	0.037	0.007	<0.025	--	--	--	--	--	--		
DATE			SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
JAN 1997														
22...			<0.02	<0.001	<0.005	<0.002	--	--	--	--	<0.001	<0.30	<0.20	--
FEB														
11...			5.4	0.020	1.30	0.050	<0.20	0.70	0.300	0.020	0.047	6.0	<1.0	<1
MAY														
14...			--	--	--	--	--	--	--	--	--	--	--	--
JUN														
03...			2.9	0.062	1.48	<0.015	<0.20	0.25	0.063	0.036	0.048	6.9	<1.0	<1
JUL														
16...			<0.02	<0.001	0.005	<0.002	--	--	--	--	0.001	<0.30	<0.20	--

1. Artificial quality-assurance sample

2. Surface-water quality-assurance sample

BAYOU DE CHIEN BASIN

07024000 BAYOU DE CHIEN NEAR CLINTON, KY

LOCATION.--Lat 36°37'43", long 88°57'50", Hickman County, Hydrologic Unit 08010201, on right bank at downstream side of bridge on U.S. Highway 51, 1.1 mi upstream from Cane Creek, 3.2 mi southeast of Clinton, and at mile 15.1.

DRAINAGE AREA.--68.7 mi².

PERIOD OF RECORD.--October 1939 to September 1950 (monthly discharge only for some periods, published in WSP 1311), October 1950 to September 1978, September 1984 to current year. Published as "Bayou du Chien near Clinton," October 1954 to September 1968.

REVISED RECORDS.--WSP 1311: 1940 (M), 1942-44 (M). WSP 1711: Drainage area. WDR-KY-89: 1985-89 (m).

GAGE.--Water-Stage recorder. Datum of gage is 307.71 ft above sea level. Prior to Aug. 2, 1951, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 8-21, Mar. 10-17 and Sept. 8-10, 12-15. Records fair except for periods of estimated record, which are poor. Minimum flow affected by backwater from the Mississippi River.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	598	1420	59	69	2440	36	208	252	336	20	26
2	29	101	667	57	65	4370	33	178	263	53	20	24
3	27	46	97	56	272	2390	35	696	78	34	20	32
4	26	37	59	55	1220	368	50	129	55	38	20	25
5	26	34	63	56	565	779	1270	76	46	28	22	25
6	26	33	60	46	117	556	949	72	241	25	23	25
7	25	834	50	44	90	165	103	60	297	23	24	24
8	26	280	44	43	126	167	63	113	78	22	28	24
9	26	64	41	42	91	350	51	66	50	21	28	27
10	25	52	39	40	78	600	46	49	42	19	123	33
11	25	44	38	37	72	120	134	42	38	18	22	22
12	25	39	289	35	67	100	819	41	36	19	21	21
13	24	39	70	32	132	140	146	41	348	19	311	20
14	24	49	51	30	284	320	78	41	594	29	48	23
15	24	45	45	300	174	200	65	37	83	348	41	26
16	25	39	688	320	107	180	59	37	135	31	31	25
17	25	45	1240	82	77	160	49	36	130	24	29	25
18	46	55	272	60	69	334	45	36	437	21	27	25
19	30	42	82	50	64	508	45	36	88	19	115	25
20	29	39	55	40	66	158	42	31	52	20	125	25
21	31	40	50	90	397	121	127	28	175	19	30	25
22	62	37	54	490	124	92	61	27	108	18	26	24
23	71	35	253	161	75	71	53	28	49	19	27	27
24	34	34	1140	158	63	67	45	30	44	18	26	31
25	30	670	172	115	58	87	42	40	39	18	25	27
26	132	329	105	76	74	106	41	726	694	19	26	25
27	56	77	144	97	489	65	344	335	131	20	26	24
28	65	50	100	297	150	130	116	244	63	18	25	24
29	45	50	79	85	---	69	67	992	47	17	25	24
30	36	411	65	75	---	52	63	435	329	17	26	23
31	32	---	61	75	---	46	---	80	---	19	58	---
TOTAL	1138	4248	7593	3203	5235	15311	5077	4990	5022	1349	1418	756
MEAN	36.7	142	245	103	187	494	169	161	167	43.5	45.7	25.2
MAX	132	834	1420	490	1220	4370	1270	992	694	348	311	33
MIN	24	33	38	30	58	46	33	27	36	17	20	20
CFSM	.53	2.06	3.57	1.50	2.72	7.19	2.46	2.34	2.44	.63	.67	.37
IN.	.62	2.30	4.11	1.73	2.83	8.29	2.75	2.70	2.72	.73	.77	.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1997, BY WATER YEAR (WY)

MEAN	32.6	83.2	130	155	186	217	139	100	70.7	58.2	40.9	34.9
MAX	165	520	557	586	672	1138	335	470	419	397	206	269
(WY)	1985	1958	1991	1950	1989	1975	1970	1978	1976	1976	1977	1977
MIN	7.27	9.41	12.1	12.7	16.3	14.2	18.6	12.1	11.7	10.7	9.43	8.74
(WY)	1944	1944	1944	1944	1941	1941	1986	1969	1952	1943	1953	1941

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1940 - 1997
ANNUAL TOTAL	37787	55340	
ANNUAL MEAN	103	152	104
HIGHEST ANNUAL MEAN			268
LOWEST ANNUAL MEAN			18.7
HIGHEST DAILY MEAN	1420	Dec 1	4370
LOWEST DAILY MEAN	20	Sep 5	17
ANNUAL SEVEN-DAY MINIMUM	21	Sep 1	18
INSTANTANEOUS PEAK FLOW			5240
INSTANTANEOUS PEAK STAGE			16.48
ANNUAL RUNOFF (CFSM)	1.50	2.21	1.51
ANNUAL RUNOFF (INCHES)	20.46	29.97	20.50
10 PERCENT EXCEEDS	241	339	192
50 PERCENT EXCEEDS	43	50	23
90 PERCENT EXCEEDS	25	24	11

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the U.S. Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. At a few of these stations crest stages are determined from continuous water-stage recorder graphs. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1997

Station no.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis- charge (ft ³ /s)
BIG SANDY RIVER BASIN							
03208000	Levisa Fork below Fishtrap Dam, near Millard, Ky.	Lat 37°25'33", long 82°24'45", Pike County, Hydrologic Unit 05070202, on right bank, 0.4 mi downstream from Fishtrap Dam, 1.1 mi upstream from Lower Pompey Branch, 1.9 mi northeast of Millard, 2.4 mi upstream from Russell Fork, and at mile 129.6.	392	1939-92†, 1993-97	03-07-97	85.52	9,660
03209300	Russell Fork at Elkhorn City, Ky.	Lat 37°18'14", long 82°20'35", Pike County, Hydrologic Unit 05070202, on left bank 10 ft downstream from steel highway bridge on abandoned section of State Highway 80, at Elkhorn City, 0.9 mi upstream from Elkhorn Creek, and at mile 13.2.	554	1957-60, 1961-92†, 1993-97	03-03-97	13.72	14,100

See footnote at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1997--Continued

Station no.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis- charge (ft ³ /s)
BIG SANDY RIVER BASIN--Continued							
03211500	Johns Creek near Van Lear, Ky.	Lat 37°44'37", long 82°43'27", Floyd County, Hydrologic Unit 05070203, on right bank 100 ft upstream from Long Branch, 0.3 mi upstream from Daniels Creek, 0.7 mi downstream from Dewey Dam, 2.5 mi southeast of Van Lear, and at mile 4.7.	206	1940-92†, 1993-97	03-07-97	14.55	3,050
LITTLE SANDY RIVER BASIN							
03216350	Little Sandy River below Grayson Dam, near Leon, Ky.	Lat 38°15'14", long 82°59'28", Carter County, Hydrologic Unit 05090104, on right bank 0.3 mi downstream from Grayson Dam (new channel), 0.3 mi upstream from Big Sinking Creek, 2.4 mi southwest of Leon, and at mile 50.3.	196	1967-92†, 1993-97	03-02-97	103.46	4,810
CUMBERLAND RIVER BASIN							
03400500	Poor Fork at Cumberland, Ky.	Lat 36° 58'26", long 82 59'38", Harlan County, Hydrologic Unit 05130101, at left upstream side of New York Avenue bridge at Cumberland, 250 ft upstream from Cloverlick Creek, 0.6 mi downstream from Looney Creek, and at river mile 718.8.	82.3	1941-92†, 1993-97	03-03-97	9.14	3,760
03404820	Laurel River at Municipal Dam, near Corbin, Ky.	Lat 36°58'13", long 84 07'11", Laurel County, Hydrologic Unit 05130101, on left bank adjacent to State Highway 709, 200 ft upstream from Corbin Municipal Dam, 0.1 mi upstream from Lynn Camp Creek, 2.0 mi northwest of Corbin, and at mile 21.4.	140	1974-92†, 1993-97	03-03-97	23.99	5,600

† Operated as a continuous-record gaging station.

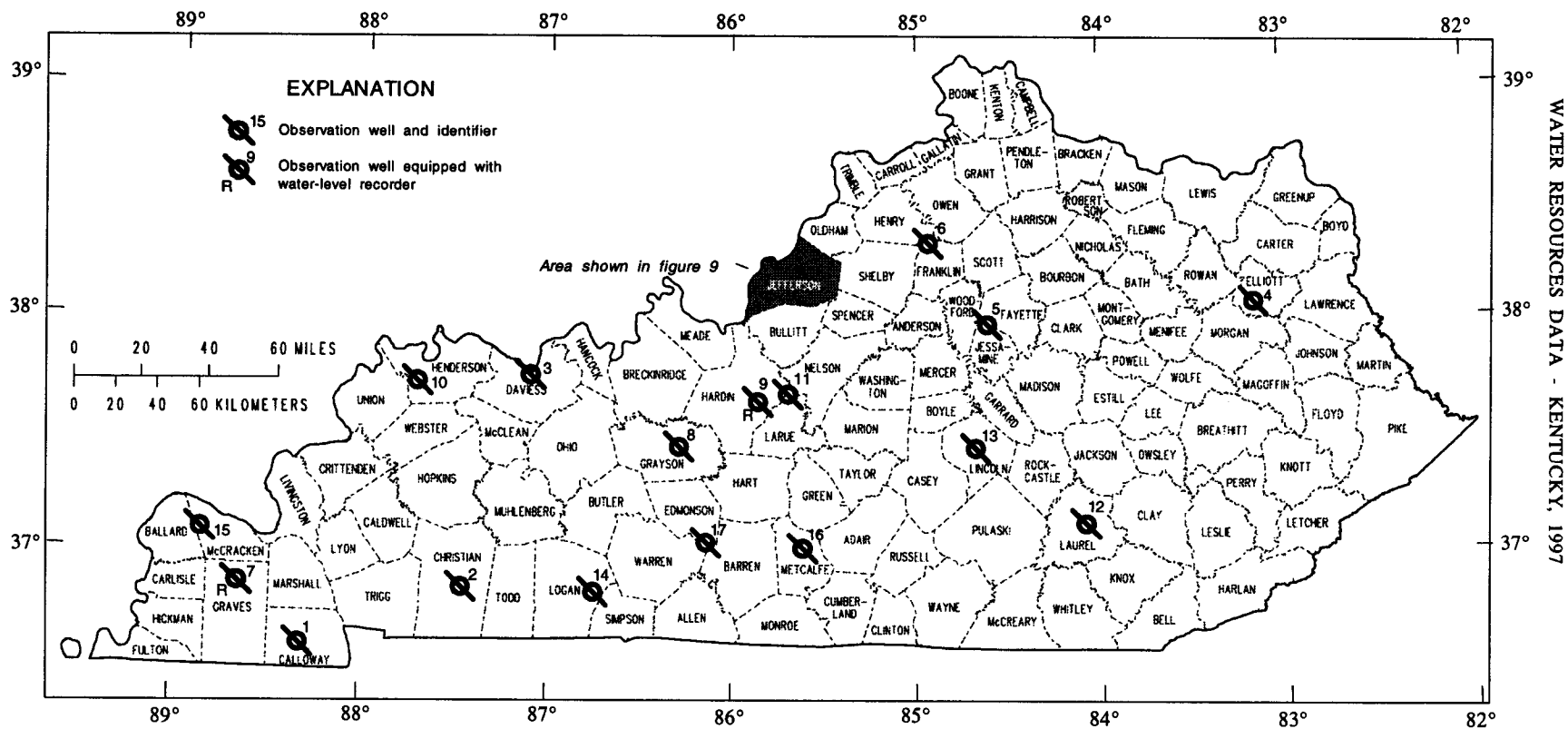


Figure 7. Location of observation wells in Kentucky.

WATER RESOURCES DATA - KENTUCKY 1997

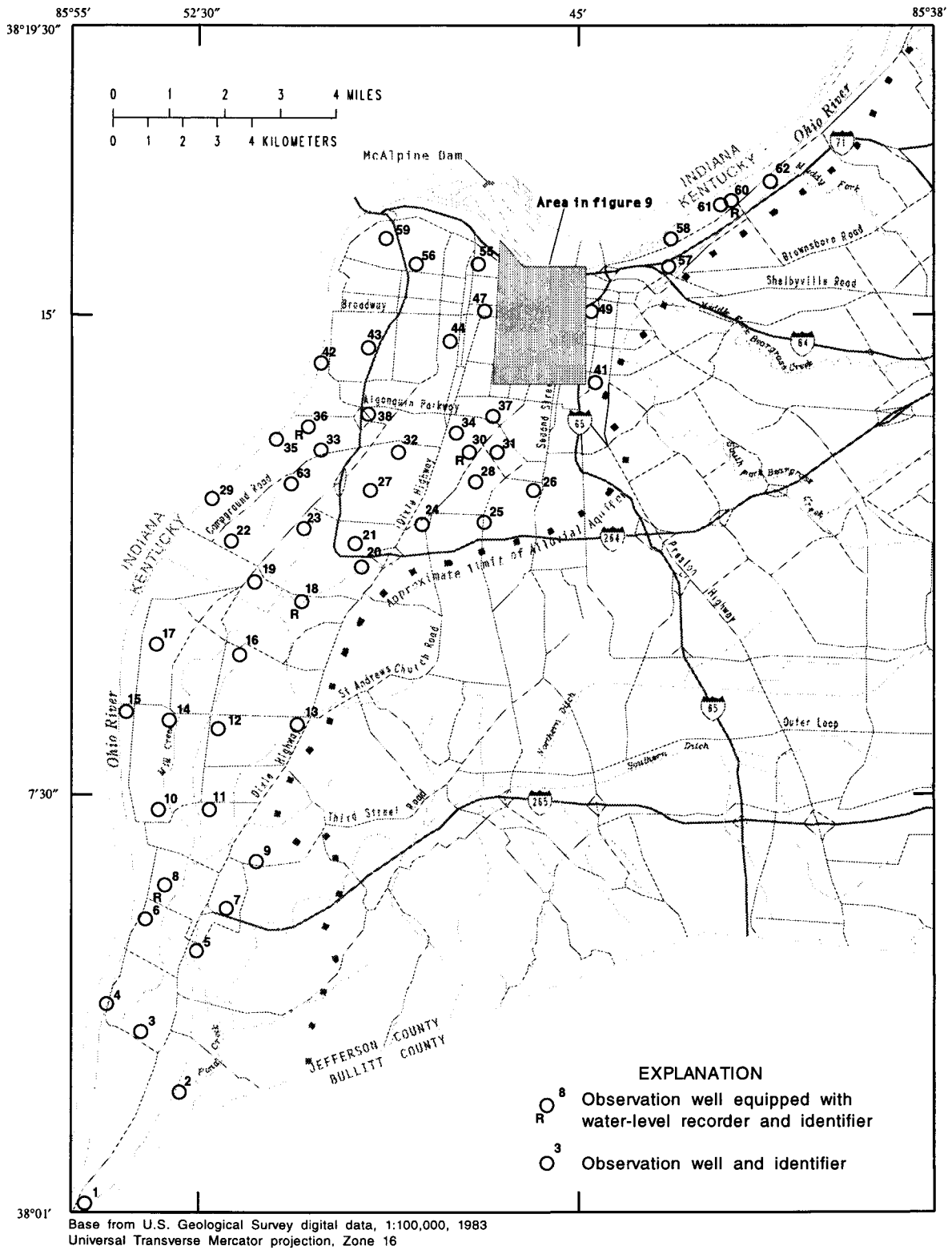


Figure 8. Location of observation wells in Jefferson County.

WATER RESOURCES DATA - KENTUCKY, 1997

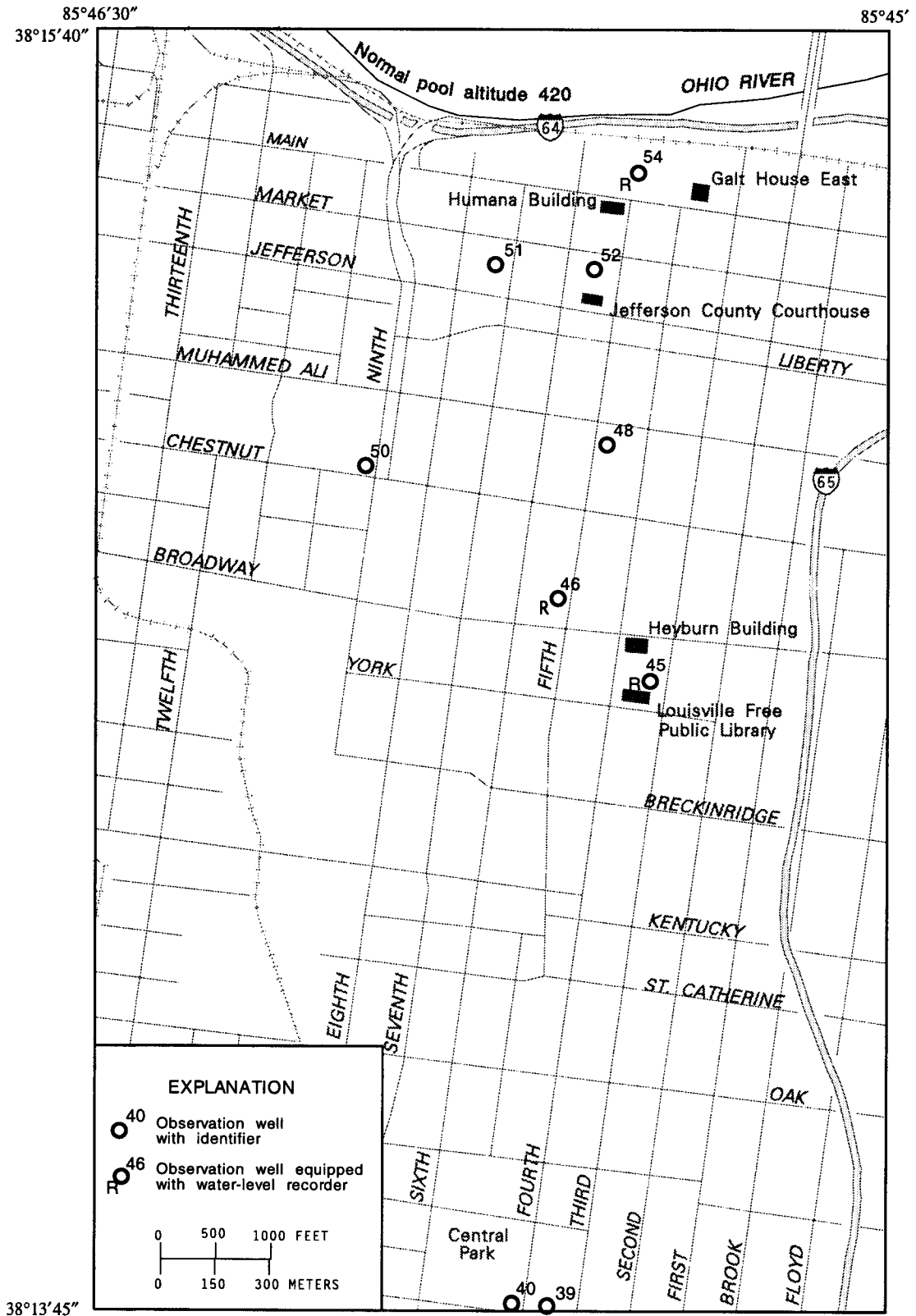


Figure 9. Location of observation wells in downtown Louisville.