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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

SALT RIVER BASIN

03295400 SALT RIVER AT GLENSBORO, KY

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

DRAINAGE AREA.--172 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage undetermined.

REMARKS.--Estimated daily discharges: Oct. 19 to Nov. 1 , Nov. 6 to Dec. 4, Dec. 11-18, Dec. 23 to Jan. 1, and June 13-16. 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	165	34	1300	155	216	12700	250	62	5410	62	3.4	1.8
2	111	32	600	144	174	16400	187	59	2020	54	2.3	1.5
3	81	27	350	133	151	7600	154	650	959	53	2.5	2.6
4	58	22	242	123	4120	1850	130	341	703	43	2.5	2.0
5	47	20	186	354	2970	1610	115	144	422	34	2.0	1.9
6	39	90	220	200	773	1920	101	103	305	28	1.1	1.6
7	34	900	167	167	420	846	84	78	305	24	1.3	1.1
8	29	660	135	132	341	548	72	104	2170	21	1.2	.81
9	25	420	112	128	351	425	64	112	3420	18	.80	4.2
10	23	240	96	144	282	770	56	129	1300	16	1.3	40
11	21	150	300	180	229	442	52	95	656	13	1.4	23
12	19	110	700	162	192	312	52	75	547	12	1.0	11
13	16	98	500	146	169	255	50	61	1600	11	1.8	6.5
14	15	82	350	120	404	650	45	52	1100	9.9	1.4	5.2
15	13	72	240	132	542	517	40	48	560	8.0	1.3	7.2
16	12	64	1000	332	303	317	35	41	840	6.5	1.4	5.4
17	10	90	3000	328	223	252	35	38	1200	6.0	1.7	4.2
18	13	360	1790	178	185	1370	33	36	1650	5.6	5.9	3.9
19	35	310	572	196	159	1860	34	33	885	4.8	6.8	3.3
20	28	230	325	168	137	779	35	874	445	4.0	6.7	3.9
21	24	270	220	136	127	365	35	319	278	4.2	15	3.1
22	21	350	178	375	123	229	39	141	207	3.3	9.6	2.8
23	20	200	160	548	121	166	33	96	162	3.0	15	2.8
24	18	300	740	1530	98	134	30	80	133	3.3	17	3.6
25	20	1100	520	2120	90	157	28	251	111	4.0	11	2.9
26	25	860	380	694	92	538	26	1020	96	11	7.9	6.0
27	35	520	280	493	144	253	58	266	82	22	6.8	5.9
28	50	250	240	1450	163	497	92	174	68	13	5.0	4.4
29	45	500	210	774	---	2260	100	181	71	9.2	3.7	3.4
30	40	2000	190	403	---	787	77	170	66	7.2	2.8	2.2
31	37	---	170	278	---	398	---	465	---	4.7	2.3	---
TOTAL	1129	10361	15473	12423	13299	57207	2142	6298	27771	518.7	143.90	168.21
MEAN	36.4	345	499	401	475	1845	71.4	203	926	16.7	4.64	5.61
MAX	165	2000	3000	2120	4120	16400	250	1020	5410	62	17	40
MIN	10	20	96	120	90	134	26	33	66	3.0	.80	.81
CFSM	.21	2.01	2.90	2.33	2.76	10.7	.42	1.18	5.38	.10	.03	.03
IN.	.24	2.24	3.35	2.69	2.88	12.37	.46	1.36	6.01	.11	.03	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

MEAN	71.7	189	417	489	439	672	202	355	310	132	63.7	58.8
MAX	262	359	1360	675	642	1845	409	925	926	489	137	241
(WY)	1991	1994	1991	1994	1991	1997	1994	1995	1997	1996	1992	1996
MIN	6.13	11.4	123	344	149	99.9	71.4	118	23.6	6.72	4.64	5.61
(WY)	1995	1992	1990	1993	1996	1990	1997	1991	1994	1993	1997	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1989 - 1997	
ANNUAL TOTAL	128482.6		146933.81			
ANNUAL MEAN	351		403		282	
HIGHEST ANNUAL MEAN					403	1997
LOWEST ANNUAL MEAN					181	1993
HIGHEST DAILY MEAN	5070	Jul 20	16400	Mar 2	16400	Mar 2 1997
LOWEST DAILY MEAN	6.0	Sep 15	.80	Aug 9	.80	Aug 9 1997
ANNUAL SEVEN-DAY MINIMUM	9.0	Sep 9	1.2	Aug 6	1.2	Aug 6 1997
INSTANTANEOUS PEAK FLOW			22000	Mar 2	22000	Mar 2 1997
INSTANTANEOUS PEAK STAGE			12.91	Mar 2	12.91	Mar 2 1997
ANNUAL RUNOFF (CFSM)	2.04		2.34		1.64	
ANNUAL RUNOFF (INCHES)	27.79		31.78		22.31	
10 PERCENT EXCEEDS	818		842		605	
50 PERCENT EXCEEDS	145		110		86	
90 PERCENT EXCEEDS	20		3.4		6.5	

SALT RIVER BASIN

03295890 BRASHEARS CREEK AT TAYLORSVILLE, KY

LOCATION.--Lat 38°02'13", long 85°20'27", Spencer County, Hydrologic Unit 05140102, on left bank at downstream side of bridge on State Highway 155, at the north edge of Taylorsville, 1.2 mi upstream from Salt River, and at mile 1.2.
DRAINAGE AREA.--259 mi^2
PERIOD OF RECORD.--July 1981 to current year.
GAGE.--Water-stage recorder. Datum of gage is 466.85 ft above sea level.
REMARKS.--Estimated daily discharges: Oct. 26-Nov. 4, Jan. 9-11, Aug. 18-26. Records good except those for estimated daily discharges, which are fair.

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	196	66	2480	317	568	15800	560	70	3060	106	3.7	2.5
2	138	60	1430	290	470	39600	415	62	2360	97	2.8	2.4
3	101	56	822	269	402	7850	350	638	1220	84	2.1	3.1
4	78	53	534	250	3810	2840	298	620	779	66	1.7	2.5
5	62	50	407	1040	3150	1650	260	312	524	50	1.4	4.0
6	53	48	420	790	1490	1380	235	226	395	40	1.1	4.4
7	45	73	367	590	992	951	197	182	475	34	1.2	4.6
8	39	343	305	479	777	696	153	166	1600	29	1.5	4.8
9	35	376	259	348	648	537	114	504	3880	25	3.0	6.3
10	31	265	222	265	566	765	100	322	1550	22	3.0	7.5
11	30	193	200	238	503	581	95	229	933	19	2.3	7.3
12	29	148	982	247	443	451	100	186	636	16	2.2	8.1
13	27	121	1320	272	396	370	102	158	903	13	2.7	10
14	24	104	749	230	512	567	99	138	1960	12	3.9	7.3
15	22	90	517	253	603	503	85	120	1720	10	4.3	6.4
16	19	80	488	497	548	378	76	107	1030	8.7	3.9	5.9
17	20	75	5640	427	486	332	74	93	4540	7.5	3.3	5.5
18	82	79	2290	378	424	3140	72	86	3770	6.3	2.8	4.6
19	189	84	1240	328	373	4430	75	80	3850	5.2	3.0	3.8
20	118	82	779	249	331	1620	73	79	1400	4.2	4.0	3.9
21	77	82	584	213	304	1010	78	72	802	3.7	8.0	3.8
22	60	87	504	336	277	663	85	68	560	3.0	7.0	3.6
23	54	90	428	774	235	457	87	55	382	2.7	9.0	3.2
24	47	89	3460	1380	205	347	77	92	272	2.8	10.0	3.3
25	48	549	1710	3020	184	312	67	786	210	2.8	7.4	2.7
26	54	1570	1000	1300	182	671	60	2060	222	2.4	5.0	2.2
27	100	833	684	1530	238	490	62	1170	171	1.9	4.5	1.8
28	90	520	579	4860	260	656	74	571	125	3.6	4.7	1.6
29	86	379	494	1650	---	2620	84	457	104	7.7	4.0	1.4
30	80	748	405	988	---	1260	78	477	107	6.4	3.4	1.6
31	74	---	350	678	---	838	---	618	---	5.0	3.0	---
TOTAL	2108	7393	31649	24486	19377	93765	4285	10804	39540	696.9	119.9	130.1
MEAN	68.0	246	1021	790	692	3025	143	349	1318	22.5	3.87	4.34
MAX	196	1570	5640	4860	3810	39600	560	2060	4540	106	10	10
MIN	19	48	200	213	182	312	60	55	104	1.9	1.1	1.4
CFSM	.26	.95	3.94	3.05	2.67	11.7	.55	1.35	5.09	.09	.01	.02
IN.	.30	1.06	4.55	3.52	2.78	13.47	.62	1.55	5.68	.10	.02	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1997, BY WATER YEAR (WY)

MEAN	39.8	199	492	549	755	738	444	494	294	79.1	51.7	19.3
MAX	240	586	1806	1036	1984	3025	841	1912	1318	219	291	136
(WY)	1991	1986	1991	1996	1989	1997	1996	1983	1997	1989	1992	1996
MIN	.012	3.97	116	47.0	212	80.5	48.4	47.1	1.90	4.44	.030	.001
(WY)	1989	1988	1990	1986	1992	1983	1986	1986	1988	1994	1983	1983

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1981 - 1997	
ANNUAL TOTAL	187880.9		234353.9			
ANNUAL MEAN	513		642		345	
HIGHEST ANNUAL MEAN					642	1997
LOWEST ANNUAL MEAN					201	1988
HIGHEST DAILY MEAN	8240	Jan 24	39600	Mar 2	39600	Mar 2 1997
LOWEST DAILY MEAN	4.3	Sep 9	1.1	Aug 6	.00	Aug 19 1983
ANNUAL SEVEN-DAY MINIMUM	5.0	Sep 3	1.7	Aug 2	.00	Aug 19 1983
INSTANTANEOUS PEAK FLOW			44800	Mar 2	44800	Mar 2 1997
INSTANTANEOUS PEAK STAGE			31.54	Mar 2	31.54	Mar 2 1997
INSTANTANEOUS LOW FLOW					.08	Oct 1 1994
ANNUAL RUNOFF (CFSM)	1.98		2.48		1.33	
ANNUAL RUNOFF (INCHES)	26.99		33.66		18.09	
10 PERCENT EXCEEDS	1320		1380		827	
50 PERCENT EXCEEDS	200		171		90	
90 PERCENT EXCEEDS	22		3.6		1.5	

SALT RIVER BASIN

03297900 FLOYDS FORK NEAR PEWEE VALLEY, KY

LOCATION.--Lat 38°17'07", long 85°28'03", Oldham County, Hydrologic Unit 05140102, on left bank at downstream side of bridge on State Highway 362, 2 mi south of PeWee Valley, 2.2 mi downstream from Curry's Fork, and at mile 44.3.

DRAINAGE AREA.--79.9 mi^2. (revised)

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

GAGE.--Water-stage recorder. Datum of gage is 599.892 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 13, 14, Dec. 19, 20, Dec. 28 to Jan. 5, Jan. 11-20, Apr. 5-21, 23-27, 29, 30, May 13-25, June 25-29, July 1-28, and Sept. 12-30. 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	65	14	1520	62	96	8460	110	78	1450	40	1.8	1.4
2	42	11	227	56	86	10500	94	66	290	28	1.8	1.6
3	31	9.3	114	52	81	1480	83	1120	137	19	2.1	1.7
4	21	15	83	49	1340	588	77	187	102	12	2.6	1.4
5	13	9.2	80	260	510	347	70	107	85	7.4	2.4	1.3
6	10	8.3	128	160	200	285	62	87	80	4.5	2.2	1.3
7	8.9	62	85	95	140	180	54	74	91	3.1	2.2	1.6
8	7.6	338	71	80	123	149	48	212	1610	2.5	2.2	2.0
9	7.3	92	62	70	110	140	42	227	883	2.9	14	28
10	7.1	64	57	60	102	301	38	104	202	2.0	12	43
11	6.8	47	55	52	92	160	34	82	125	1.6	3.4	5.5
12	6.3	35	890	45	86	124	39	65	101	1.2	2.5	2.2
13	6.0	27	267	39	81	110	45	54	343	1.5	4.0	1.2
14	5.8	26	121	36	93	340	38	46	670	1.8	3.9	.79
15	5.5	21	90	40	112	175	32	40	206	2.2	3.3	.54
16	5.6	19	215	204	101	123	28	35	497	5.4	3.9	.40
17	5.5	18	2740	160	89	110	26	30	834	10	2.6	.58
18	92	23	364	110	86	2900	24	26	2460	9.0	2.2	.70
19	52	24	180	82	80	779	32	25	484	8.0	2.4	.62
20	28	20	140	62	76	255	45	33	156	9.4	2.8	.52
21	17	20	112	50	76	156	68	26	162	10	2.9	.60
22	12	35	96	290	73	114	66	18	103	22	2.4	.72
23	10	28	75	430	64	92	47	14	68	40	1.9	.64
24	15	24	1580	595	61	81	35	10	56	29	1.7	1.0
25	13	469	299	510	60	83	26	70	46	10	1.8	2.3
26	14	664	150	249	82	212	19	460	38	4.5	1.8	2.0
27	31	148	120	1330	157	106	22	117	32	2.4	1.8	1.8
28	32	88	98	1300	105	157	67	77	26	1.6	7.5	1.7
29	41	70	84	255	---	863	43	140	22	1.5	2.7	4.2
30	26	434	76	142	---	181	31	113	64	1.7	2.0	3.6
31	19	---	68	113	---	149	---	111	---	1.8	1.6	---
TOTAL	656.4	2862.8	10247	7038	4362	29700	1445	3854	11423	296.0	102.4	114.91
MEAN	21.2	95.4	331	227	156	958	48.2	124	381	9.55	3.30	3.83
MAX	92	664	2740	1330	1340	10500	110	1120	2460	40	14	43
MIN	5.5	8.3	55	36	60	81	19	10	22	1.2	1.6	.40
CFSM	.27	1.19	4.14	2.84	1.95	12.0	.60	1.56	4.77	.12	.04	.05
IN.	.31	1.33	4.77	3.28	2.03	13.83	.67	1.79	5.32	.14	.05	.05

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

MEAN	13.9	56.6	132	226	143	325	139	179	126	28.8	36.4	17.0
MAX	26.3	118	331	320	202	958	306	398	381	66.7	103	87.7
(WY)	1994	1994	1997	1996	1993	1997	1996	1995	1997	1995	1993	1996
MIN	3.01	3.14	38.8	127	43.3	103	37.3	26.5	4.07	1.89	1.04	1.16
(WY)	1995	1992	1993	1992	1992	1995	1995	1993	1991	1991	1994	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1991 - 1997	
ANNUAL TOTAL	63566.2		72101.51			
ANNUAL MEAN	174		198		121	
HIGHEST ANNUAL MEAN					198	1997
LOWEST ANNUAL MEAN					79.5	1992
HIGHEST DAILY MEAN	3240	May 11	10500	Mar 2	10500	Mar 2 1997
LOWEST DAILY MEAN	2.9	Aug 15	.40	Sep 16	.11	Sep 26 1995
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 27	.57	Sep 15	.17	Jul 16 1991
INSTANTANEOUS PEAK FLOW			e18,800	Mar 2	e18,800	Mar 2 1997
INSTANTANEOUS PEAK STAGE			e28.60	Mar 2	e28.60	Mar 2 1997
ANNUAL RUNOFF (CFSM)	2.17		2.47		1.52	
ANNUAL RUNOFF (INCHES)	29.60		33.57		20.65	
10 PERCENT EXCEEDS	439		316		226	
50 PERCENT EXCEEDS	62		52		29	
90 PERCENT EXCEEDS	4.4		1.9		1.3	

e estimated

SALT RIVER BASIN

03297980 LONG RUN NEAR FISHERVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°13'10", long 85°26'56", Jefferson County, Hydrologic Unit 05140102, at bridge on State Highway 1531, 0.7 mi below South Long Run and at mile 2.4.

DRAINAGE AREA.-- 22.5 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
16...	1015	0.61	453	7.8	13.5	9.5
DEC						
19...	1000	46	431	8.1	1.0	13.1
FEB 1997						
25...	1015	9.7	490	8.2	3.5	13.7
MAR						
25...	1005	18	454	8.2	10.5	11.0
APR						
24...	0945	6.1	468	7.9	12.0	10.5
JUN						
05...	0950	19	489	7.8	15.5	10.0
JUL						
15...	1020	0.11	361	8.2	25.5	13.2
AUG						
28...	1010	0.10	405	8.1	25.0	10.9

SALT RIVER BASIN

03298000 FLOYDS FORK AT FISHERVILLE, KY

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

DRAINAGE AREA.--138 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1944 to current year. Monthly discharge only for August 1944, published in WSP 1305.
REVISED RECORDS.--WSP 1275: 1946. WSP 1909: 1945(P), 1948(P), 1960(M).
GAGE.--Water-stage recorder. Datum of gage is 542.60 ft above sea level, from benchmark elevation supplied by Park Aerial Survey.
REMARKS.--Estimated daily discharges: Jan. 16-20. Records good except for period of estimated record, which is fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1937 reached a stage of 16.8 ft, from floodmark.

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	109	43	2170	100	164	14000	209	76	1870	74	1.3	3.2
2	83	38	573	96	135	20000	162	81	598	47	1.0	2.5
3	70	32	292	92	123	2340	137	1580	264	32	1.5	2.4
4	57	29	186	86	1920	916	117	394	167	20	1.8	6.7
5	46	34	162	404	958	562	108	192	128	10	2.1	2.1
6	39	31	287	258	421	467	108	141	106	5.9	5.2	.81
7	33	85	190	151	280	309	84	103	116	4.3	11	.91
8	29	524	142	118	239	244	69	337	1760	3.8	10	1.6
9	27	221	114	115	207	214	61	553	1640	4.2	146	41
10	28	130	97	112	177	419	55	198	429	3.0	169	243
11	26	91	93	86	158	259	53	134	234	2.4	47	48
12	22	75	1340	81	143	193	64	103	167	2.2	30	19
13	17	63	678	73	131	163	75	85	511	2.3	31	4.7
14	15	58	304	66	180	380	58	74	1400	2.7	38	1.8
15	14	53	202	76	219	281	48	64	551	3.4	38	.85
16	10	48	369	410	178	187	42	56	962	8.0	35	.55
17	9.5	47	4100	300	151	160	44	50	1640	13	22	.91
18	135	55	755	210	141	3780	42	46	3360	11	13	1.0
19	113	57	386	140	130	1540	49	43	1160	9.7	6.2	.84
20	70	52	223	100	121	534	54	56	387	12	19	.71
21	51	51	179	83	118	332	71	40	313	12	20	.89
22	40	64	149	699	107	229	86	29	303	44	13	1.0
23	40	65	145	707	86	167	63	19	151	55	8.5	.85
24	39	57	2580	884	76	139	49	16	105	87	7.7	1.6
25	38	487	562	979	74	145	39	128	80	20	7.7	3.8
26	41	1160	312	324	110	424	31	1040	68	7.3	6.7	3.6
27	56	389	227	1740	270	210	36	296	56	4.2	6.7	3.2
28	65	207	179	2300	195	245	77	138	41	55	5.2	2.8
29	68	148	153	512	---	1280	69	318	33	14	18	8.0
30	64	601	125	295	---	395	49	253	49	3.5	14	7.1
31	51	---	111	209	---	290	---	173	---	2.1	5.3	---
TOTAL	1505.5	4995	17385	11806	7212	50804	2209	6816	18649	575.0	740.9	415.42
MEAN	48.6	167	561	381	258	1639	73.6	220	622	18.5	23.9	13.8
MAX	135	1160	4100	2300	1920	20000	209	1580	3360	87	169	243
MIN	9.5	29	93	66	74	139	31	16	33	2.1	1.0	.55
CFSM	.35	1.21	4.06	2.76	1.87	11.9	.53	1.59	4.50	.13	.17	.10
IN.	.41	1.35	4.69	3.18	1.94	13.69	.60	1.84	5.03	.16	.20	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

MEAN	33.4	108	234	293	363	411	281	214	123	63.3	45.5	40.4
MAX	423	485	1025	1252	990	1639	1021	971	622	331	290	1020
(WY)	1978	1974	1991	1950	1956	1997	1970	1983	1997	1973	1979	1979
MIN	.000	.000	.000	3.54	12.4	40.3	34.0	12.2	.90	1.73	.048	.000
(WY)	1949	1954	1954	1977	1954	1954	1959	1965	1988	1954	1962	1948

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997	
ANNUAL TOTAL	113905.9		123112.82			
ANNUAL MEAN	311		337		183	
HIGHEST ANNUAL MEAN					382	1979
LOWEST ANNUAL MEAN					29.0	1954
HIGHEST DAILY MEAN	4220	May 11	20000	Mar 2	20000	Mar 2 1997
LOWEST DAILY MEAN	1.7	Aug 16	.55	Sep 16	.00	Sep 7 1945
ANNUAL SEVEN-DAY MINIMUM	4.0	Aug 15	.82	Sep 15	.00	Sep 7 1945
INSTANTANEOUS PEAK FLOW			42100	Mar 2	42100	Mar 2 1997
INSTANTANEOUS PEAK STAGE			17.39	Mar 2	17.39	Mar 2 1997
INSTANTANEOUS LOW FLOW					.00	Sep 7 1945
ANNUAL RUNOFF (CFSM)	2.26		2.44		1.33	
ANNUAL RUNOFF (INCHES)	30.71		33.19		18.05	
10 PERCENT EXCEEDS	801		562		369	
50 PERCENT EXCEEDS	110		83		35	
90 PERCENT EXCEEDS	19		4.0		.40	

03298000 FLOYDS FORK AT FISHERVILLE, KY--Continued

WATER-QUALITY RECORDS

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
16...	1220	8.8	561	7.9	15.5	9.3
DEC						
19...	1135	367	447	8.0	2.5	12.7
FEB 1997						
25...	1055	71	552	8.4	5.5	14.0
MAR						
25...	1130	128	506	8.2	11.5	11.2
APR						
24...	1100	50	513	7.8	13.0	10.0
JUN						
05...	1125	121	507	7.8	16.5	9.0
JUL						
15...	1145	3.1	487	8.0	28.5	9.8
AUG						
28...	1110	4.9	541	7.9	24.5	7.8

SALT RIVER BASIN

03298100 POPE LICK AT POPE LICK ROAD NEAR MIDDLETOWN, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°13'09", long 85°31'07", Jefferson County, Hydrologic Unit 05140102, at culvert on Pope Lick Road, and at mile 3.2.
DRAINAGE AREA.-- 2.9 mi^2.
PERIOD OF RECORD.--February 1988 to current year.
COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
16...	0850	0.44	706	7.3	14.0	5.6
DEC						
19...	0835	8.5	512	7.9	4.0	11.5
FEB 1997						
25...	0840	2.0	702	7.9	4.5	10.2
MAR						
25...	0830	4.2	536	7.9	10.0	10.2
APR						
24...	0825	1.6	670	7.3	10.0	8.3
JUN						
05...	0835	3.6	608	7.5	15.0	8.3
JUL						
15...	0825	0.50	682	7.3	22.0	6.4
AUG						
28...	0905	0.50	754	7.6	22.5	5.6

SALT RIVER BASIN

03298150 CHENOWETH RUN AT GELHAUS LANE NEAR FERN CREEK, KY

WATER-QUALITY RECORDS

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

DRAINAGE AREA.--11.6 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
01...	1250	8.8	646	8.5	20.0	13.5
17...	1120	3.5	664	8.5	16.5	14.9
NOV						
22...	1410	7.5	566	8.8	8.0	15.2
DEC						
18...	1350	--	508	8.4	3.5	12.9
JAN 1997						
09...	1340	16	720	8.1	4.5	12.8
FEB						
12...	1150	16	654	8.1	5.5	13.5
27...	1110	--	543	8.3	11.5	11.1
MAR						
13...	1415	24	555	8.6	11.0	12.5
APR						
21...	1225	25	420	8.1	13.5	11.1
JUN						
03...	1300	22	579	8.4	18.0	11.0
JUL						
14...	1220	5.5	634	8.9	29.5	11.5
AUG						
25...	1210	5.9	675	8.7	22.0	13.1

SALT RIVER BASIN

03298200 FLOYDS FORK NEAR MOUNT WASHINGTON, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°05'07", long 85°33'18", Jefferson County, Hydrologic Unit 05140102, at bridge on U.S. Highway 31E, 0.2 mi below Old Mans Run, and at mile 18.7.

DRAINAGE AREA.--213 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
17...	1000	17	581	7.7	15.0	8.5
DEC						
18...	1050	1440	356	7.8	5.5	11.4
FEB 1997						
12...	1000	245	563	7.9	3.5	12.8
MAR						
19...	1045	259	497	8.1	9.5	10.7
APR						
21...	1030	153	500	7.7	13.0	9.5
JUN						
03...	1010	482	455	8.0	18.0	8.2
JUL						
14...	1035	14	551	8.0	25.0	7.8
AUG						
25...	1030	15	550	7.9	20.5	7.9

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MT. WASHINGTON, KY

LOCATION.--Lat 38°06'43", long 85°35'49", Jefferson County, Hydrologic Unit 05140101, on downstream side of bridge on Fairmount Road, 5.2 miles northwest of Mt. Washington and at mile 10.9

DRAINAGE AREA.--7.8 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 585.450 ft above sea level.

REMARKS.--1993: No estimated daily discharges: Records Fair.

1994: Estimated daily discharges: Dec. 25-31, Jan. 16-24, Feb. 19-23, Mar. 13-16, Apr. 12-25, and Aug 3-17. Records good except for periods of estimated record, which are fair.

1995: No estimated daily dischages: Records good.

1996: Estimated daily discharges: Jan. 6-12, Jan. 22 to Feb. 14, and Apr. 22 to May 22. Records good except for periods of estimated record, which are poor.

1997: Estimated daily discharges: Jan. 10-19. Records good except for period of estimated record, which is fair.

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	---	---	---	9.4	6.4	14	45	7.0	4.3	3.5	3.2	4.9
2	---	---	---	7.2	5.1	54	25	6.4	3.6	2.8	36	2.7
3	---	---	---	6.4	4.7	101	18	6.0	3.6	2.4	6.3	2.9
4	---	---	---	51	4.5	229	15	24	143	2.2	6.8	2.6
5	---	---	---	37	4.2	60	14	9.8	136	2.0	4.5	2.1
6	---	---	---	16	3.9	31	12	7.0	14	2.0	3.7	1.7
7	---	---	---	11	3.8	24	10	5.3	9.2	2.0	3.3	1.6
8	---	---	---	10	3.8	34	9.2	4.5	6.3	1.9	3.2	1.4
9	---	---	---	8.5	3.7	19	23	3.9	5.1	1.8	3.0	1.3
10	---	---	---	9.2	3.4	52	31	3.6	5.3	1.8	2.9	1.2
11	---	---	---	18	3.2	21	15	3.6	6.5	1.9	2.9	1.1
12	---	---	---	23	16	16	11	3.7	8.9	2.0	160	1.2
13	---	---	---	25	11	14	12	198	4.9	1.9	62	1.3
14	---	---	---	15	10	12	33	17	23	13	16	1.2
15	---	---	---	11	8.7	10	27	11	16	17	8.5	2.7
16	---	---	---	8.8	56	10	29	8.0	6.3	6.1	5.4	1.9
17	---	---	---	7.2	30	17	18	6.2	4.1	22	122	1.7
18	---	---	---	5.4	20	12	14	60	3.4	11	20	1.6
19	---	---	3.7	4.6	17	10	13	18	2.9	4.3	10	1.5
20	---	---	29	4.4	12	12	11	9.7	2.6	3.0	7.8	1.6
21	---	---	11	75	233	15	9.4	7.1	2.6	2.4	5.0	1.4
22	---	---	8.1	24	47	14	8.6	5.7	2.4	2.1	3.6	1.4
23	---	---	8.0	14	22	214	8.0	4.3	2.2	2.0	3.2	22
24	---	---	6.3	79	15	36	9.6	3.8	2.1	2.1	2.8	6.1
25	---	---	5.4	24	13	24	15	4.0	2.4	2.1	2.4	14
26	---	---	4.8	16	12	31	22	3.4	35	186	2.2	6.8
27	---	---	4.1	13	10	21	11	3.2	5.9	18	2.0	3.9
28	---	---	5.3	11	9.9	17	9.1	3.1	4.0	11	1.9	3.3
29	---	---	5.6	8.2	---	14	8.1	3.0	9.0	5.2	1.8	3.0
30	---	---	7.6	6.9	---	12	7.6	2.9	5.2	3.8	1.8	2.8
31	---	---	8.1	6.8	---	57	---	12	---	3.4	1.6	---
TOTAL	---	---	---	566.0	589.3	1207	493.6	465.2	479.8	342.7	515.8	102.9
MEAN	---	---	---	18.3	21.0	38.9	16.5	15.0	16.0	11.1	16.6	3.43
MAX	---	---	---	79	233	229	45	198	143	186	160	22
MIN	---	---	---	4.4	3.2	10	7.6	2.9	2.1	1.8	1.6	1.1

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

MEAN	---	---	---	18.3	21.0	38.9	16.5	15.0	16.0	11.1	16.6	3.43
MAX	---	---	---	18.3	21.0	38.9	16.5	15.0	16.0	11.1	16.6	3.43
(WY)	---	---	---	1993	1993	1993	1993	1993	1993	1993	1993	1993
MIN	---	---	---	18.3	21.0	38.9	16.5	15.0	16.0	11.1	16.6	3.43
(WY)	---	---	---	1993	1993	1993	1993	1993	1993	1993	1993	1993

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MT. WASHINGTON, 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	2.7	7.2	7.2	5.9	15	9.2	11	75	2.1	1.6	1.4	1.1
2	3.1	5.4	6.7	16	13	8.6	9.1	28	2.0	1.6	1.3	1.1
3	3.3	5.4	31	18	11	8.2	15	19	1.9	1.5	1.7	1.1
4	3.0	6.1	76	15	10	7.4	11	15	1.8	1.5	2.0	1.0
5	2.8	6.1	39	12	9.5	6.9	8.7	12	1.9	1.8	17	2.0
6	2.6	5.3	19	14	8.2	6.4	17	11	2.0	1.7	6.0	1.8
7	2.6	5.0	13	63	7.4	6.0	12	52	1.9	1.5	1.8	1.3
8	2.6	4.7	11	21	45	8.5	8.5	20	2.0	1.7	.96	1.0
9	3.7	4.2	9.0	15	61	44	7.2	15	2.0	1.7	1.1	.90
10	5.0	4.1	13	11	23	59	37	11	1.7	1.6	1.5	2.0
11	4.4	4.1	9.5	10	19	46	19	8.2	1.6	1.5	1.4	2.0
12	4.0	4.0	7.9	12	21	32	13	7.2	1.6	1.4	1.7	1.7
13	4.0	38	7.6	11	21	25	11	5.9	1.6	1.4	2.6	1.3
14	3.8	153	12	9.8	16	20	18	13	1.5	1.9	3.3	.93
15	3.8	47	15	8.9	14	18	36	31	1.4	1.6	4.1	.96
16	5.4	21	12	7.0	14	16	24	16	1.5	1.4	2.1	.88
17	14	131	10	6.1	13	13	15	9.1	1.4	1.5	.92	1.2
18	7.5	28	9.1	5.2	12	11	10	7.2	1.5	1.7	1.3	1.2
19	13	18	8.3	4.5	11	8.8	8.8	5.6	1.5	1.3	1.2	1.1
20	202	13	7.9	4.0	20	8.3	7.4	4.7	2.2	1.4	1.2	1.1
21	19	11	8.7	3.6	16	11	6.6	4.1	50	4.1	2.3	1.3
22	11	9.0	7.9	3.4	115	9.4	5.6	3.8	6.1	3.2	1.4	.81
23	7.6	7.8	7.4	17	52	8.2	5.0	3.8	2.9	2.1	1.3	1.9
24	6.1	7.2	6.9	70	30	8.0	4.6	3.8	3.2	1.5	1.2	1.8
25	5.0	6.6	6.0	150	21	6.9	4.2	3.6	3.2	3.2	1.5	1.3
26	4.6	7.7	5.6	94	15	8.2	3.7	3.5	3.4	2.5	2.1	1.2
27	4.4	25	5.2	234	12	122	25	3.2	6.9	1.5	2.0	1.1
28	4.2	13	4.9	229	11	71	37	2.9	2.9	1.7	1.7	.92
29	4.0	9.8	4.5	40	---	25	249	2.8	2.0	1.7	3.5	.88
30	6.4	8.1	4.3	25	---	16	390	2.8	1.8	1.7	1.9	.84
31	8.7	---	5.1	18	---	15	---	2.9	---	1.5	1.0	---
TOTAL	374.3	615.8	390.7	1153.4	636.1	663.0	1029.4	403.1	117.5	56.0	74.48	37.72
MEAN	12.1	20.5	12.6	37.2	22.7	21.4	34.3	13.0	3.92	1.81	2.40	1.26
MAX	202	153	76	234	115	122	390	75	50	4.1	17	2.0
MIN	2.6	4.0	4.3	3.4	7.4	6.0	3.7	2.8	1.4	1.3	.92	.81

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

MEAN	12.1	20.5	12.6	27.7	21.9	30.2	25.4	14.0	9.95	6.43	9.52	2.34
MAX	12.1	20.5	12.6	37.2	22.7	38.9	34.3	15.0	16.0	11.1	16.6	3.43
(WY)	1994	1994	1994	1994	1994	1993	1994	1993	1993	1993	1993	1993
MIN	12.1	20.5	12.6	18.3	21.0	21.4	16.5	13.0	3.92	1.81	2.40	1.26
(WY)	1994	1994	1994	1993	1993	1994	1993	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1993 - 1994	
ANNUAL TOTAL	6143.1		5551.50			
ANNUAL MEAN	16.8		15.2		15.2	
HIGHEST ANNUAL MEAN					15.2	1994
LOWEST ANNUAL MEAN					15.2	1994
HIGHEST DAILY MEAN	233	Feb 21	390	Apr 30	390	Apr 30 1994
LOWEST DAILY MEAN	1.1	Sep 11	.81	Sep 22	.81	Sep 22 1994
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 8	1.1	Sep 14	1.1	Sep 14 1994
INSTANTANEOUS PEAK FLOW			1210	Apr 29	1380	Jul 26 1993
INSTANTANEOUS PEAK STAGE			5.78	Apr 29	6.13	Jul 26 1993
10 PERCENT EXCEEDS	31		28		31	
50 PERCENT EXCEEDS	7.4		6.1		6.8	
90 PERCENT EXCEEDS	2.2		1.4		1.5	

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MT. WASHINGTON, KY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.73	1.4	3.7	2.7	10	4.2	3.2	34	6.4	2.3	2.1	1.5
2	.80	1.2	3.4	2.6	8.3	3.8	3.2	47	5.7	1.8	2.9	1.5
3	.90	1.3	2.9	2.5	7.3	3.8	2.9	18	4.4	1.6	1.7	1.5
4	.73	1.2	48	2.2	6.6	3.9	2.7	12	3.6	1.8	2.4	1.5
5	.61	1.3	23	2.2	5.4	11	2.5	9.3	3.2	33	42	1.6
6	.83	1.9	10	18	5.4	12	2.6	7.7	3.3	9.5	17	1.5
7	.63	1.4	6.4	14	5.1	38	2.6	6.2	3.3	4.9	19	1.6
8	.75	1.2	4.2	8.7	4.7	106	2.6	5.4	2.8	3.5	25	1.7
9	2.0	4.3	24	7.1	4.7	31	2.9	48	2.2	2.8	29	1.8
10	1.5	7.7	54	5.4	4.4	21	3.3	19	2.0	2.3	8.0	1.8
11	1.5	4.1	23	12	4.7	16	2.8	12	3.8	2.0	4.6	1.7
12	1.2	3.1	12	13	4.7	13	9.1	9.0	7.0	1.8	3.7	1.7
13	2.1	2.6	7.9	9.2	4.1	10	4.3	71	3.3	1.7	2.9	1.7
14	2.2	2.5	5.7	56	3.3	8.2	3.4	259	2.7	1.6	2.5	1.7
15	4.5	3.1	4.6	45	101	7.5	3.2	30	2.2	1.7	2.2	1.6
16	4.0	24	23	20	67	6.5	3.1	21	2.6	2.0	2.1	3.8
17	3.4	8.2	23	15	24	5.6	4.0	282	2.7	1.9	2.0	3.5
18	2.1	4.4	12	11	16	5.2	3.5	451	1.8	1.7	3.0	2.0
19	16	3.3	8.9	11	13	4.9	3.0	81	1.7	1.5	4.0	1.7
20	1.5	2.6	7.1	10	10	5.9	5.9	30	1.6	1.5	3.6	2.1
21	1.1	2.8	5.3	8.8	8.3	6.2	36	20	1.5	1.5	2.9	2.4
22	.89	2.4	4.5	7.7	7.3	4.8	10	15	1.5	1.6	2.0	1.9
23	.75	2.1	4.2	6.7	6.8	4.5	27	11	1.8	2.0	1.6	1.8
24	.81	2.2	3.9	5.5	5.7	3.8	30	8.6	1.6	3.1	1.5	1.9
25	.72	3.2	3.6	5.0	5.3	3.7	15	7.9	2.2	2.1	1.5	1.7
26	.71	3.3	3.4	4.7	5.1	3.6	10	6.6	3.7	1.7	1.6	1.6
27	.87	25	3.3	4.8	4.8	4.4	7.5	5.9	2.9	4.1	1.6	1.6
28	.99	20	3.2	112	5.0	3.7	5.8	43	4.9	2.1	1.4	1.6
29	1.0	6.8	2.9	32	---	3.4	5.1	13	7.0	1.9	1.5	1.5
30	1.1	4.2	2.7	17	---	3.3	5.0	8.3	3.6	1.7	1.5	1.7
31	1.7	---	2.6	12	---	3.2	---	6.1	---	1.5	1.5	---
TOTAL	58.62	152.8	346.4	483.8	358.0	362.1	222.2	1598.0	97.0	104.2	198.3	55.2
MEAN	1.89	5.09	11.2	15.6	12.8	11.7	7.41	51.5	3.23	3.36	6.40	1.84
MAX	16	25	54	112	101	106	36	451	7.0	33	42	3.8
MIN	.61	1.2	2.6	2.2	3.3	3.2	2.5	5.4	1.5	1.5	1.4	1.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	6.98	12.8	11.9	23.7	18.9	24.0	19.4	26.5	7.71	5.41	8.48	2.18
MAX	12.1	20.5	12.6	37.2	22.7	38.9	34.3	51.5	16.0	11.1	16.6	3.43
(WY)	1994	1994	1994	1994	1994	1993	1994	1995	1993	1993	1993	1993
MIN	1.89	5.09	11.2	15.6	12.8	11.7	7.41	13.0	3.23	1.81	2.40	1.26
(WY)	1995	1995	1995	1995	1995	1995	1995	1994	1995	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1993 - 1995	
ANNUAL TOTAL	4728.52		4036.62			
ANNUAL MEAN	13.0		11.1		13.1	
HIGHEST ANNUAL MEAN					15.2	1994
LOWEST ANNUAL MEAN					11.1	1995
HIGHEST DAILY MEAN	390	Apr 30	451	May 18	451	May 18 1995
LOWEST DAILY MEAN	.61	Oct 5	.61	Oct 5	.61	Oct 5 1994
ANNUAL SEVEN-DAY MINIMUM	.75	Oct 1	.75	Oct 1	.75	Oct 1 1994
INSTANTANEOUS PEAK FLOW			1230	May 14	1380	Jul 26 1993
INSTANTANEOUS PEAK STAGE			5.81	May 14	6.13	Jul 26 1993
10 PERCENT EXCEEDS	24		23		25	
50 PERCENT EXCEEDS	3.7		3.6		5.1	
90 PERCENT EXCEEDS	1.1		1.5		1.5	

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MT. WASHINGTON, KY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.7	2.8	9.9	8.8	15	53	60	12	2.6	2.1	2.1
2	1.8	11	2.9	32	6.8	12	24	41	15	2.8	2.5	2.2
3	7.1	11	2.9	28	6.0	11	16	52	14	3.2	2.4	2.3
4	5.0	5.4	2.7	16	5.4	8.8	14	150	9.9	2.7	2.1	2.3
5	183	4.3	2.6	12	4.9	16	12	69	7.9	2.4	2.0	2.2
6	15	5.7	2.4	10	4.5	178	10	56	13	2.3	2.7	2.2
7	5.2	9.6	2.5	8.8	6.6	52	8.8	41	30	2.4	4.3	4.4
8	3.3	6.8	4.1	8.0	10	28	7.6	88	121	2.8	177	2.7
9	2.6	4.9	6.0	7.2	9.6	19	6.6	56	54	2.5	11	12
10	2.2	4.2	5.8	7.0	5.8	16	5.6	210	46	2.2	4.0	7.0
11	1.8	31	5.7	6.8	6.6	14	5.1	170	113	2.1	3.0	4.0
12	1.7	13	4.1	6.6	6.5	13	4.8	74	87	2.2	3.2	3.5
13	1.8	16	2.9	11	5.8	12	10	43	30	3.1	2.6	3.2
14	1.9	12	2.9	23	5.2	10	11	58	18	5.0	2.4	2.9
15	2.0	8.2	13	24	4.5	32	11	120	13	30	2.3	2.7
16	2.0	6.2	34	27	4.1	21	9.0	39	9.7	4.6	2.7	22
17	1.7	5.1	12	31	4.1	22	6.8	25	8.4	3.2	2.5	7.5
18	1.9	4.6	67	121	4.0	17	6.2	15	7.3	2.7	2.2	4.1
19	2.3	4.1	117	73	11	137	5.7	10	7.2	3.1	2.2	3.0
20	4.0	3.7	33	22	71	70	75	6.4	6.1	2.9	29	4.4
21	3.0	3.5	18	17	21	45	18	5.0	4.6	40	6.3	12
22	2.6	3.4	13	40	16	38	48	4.2	4.1	9.4	3.5	9.0
23	2.9	5.0	10	190	14	36	101	3.2	3.8	4.3	2.8	4.0
24	4.6	4.0	8.7	100	11	30	45	3.1	3.6	3.2	3.3	3.3
25	4.2	3.7	7.7	39	10	30	34	5.1	3.5	2.7	2.7	3.1
26	4.1	3.6	6.8	25	9.9	19	56	370	2.9	2.5	2.4	3.0
27	17	3.4	6.0	18	109	15	41	162	2.7	2.4	2.3	55
28	13	3.3	5.0	15	54	15	120	318	2.7	2.4	2.3	69
29	6.0	3.0	4.7	13	20	25	151	140	2.6	2.3	2.1	14
30	3.9	2.8	4.8	11	---	16	93	30	2.7	2.3	2.1	8.0
31	3.4	---	7.8	9.2	---	18	---	17	---	2.3	2.1	---
TOTAL	312.8	206.2	418.8	961.5	456.1	990.8	1009.2	2441.0	655.7	158.6	294.1	277.1
MEAN	10.1	6.87	13.5	31.0	15.7	32.0	33.6	78.7	21.9	5.12	9.49	9.24
MAX	183	31	117	190	109	178	151	370	121	40	177	69
MIN	1.7	2.8	2.4	6.6	4.0	8.8	4.8	3.1	2.6	2.1	2.0	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	8.02	10.8	12.4	25.5	18.0	26.0	23.0	39.6	11.3	5.33	8.73	3.94
MAX	12.1	20.5	13.5	37.2	22.7	38.9	34.3	78.7	21.9	11.1	16.6	9.24
(WY)	1994	1994	1996	1994	1994	1993	1994	1996	1996	1993	1993	1996
MIN	1.89	5.09	11.2	15.6	12.8	11.7	7.41	13.0	3.23	1.81	2.40	1.26
(WY)	1995	1995	1995	1995	1995	1995	1995	1994	1995	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	4416.6		8181.9			
ANNUAL MEAN	12.1		22.4		16.2	
HIGHEST ANNUAL MEAN					22.4	1996
LOWEST ANNUAL MEAN					11.1	1995
HIGHEST DAILY MEAN	451	May 18	370	May 26	451	May 18 1995
LOWEST DAILY MEAN	1.4	Aug 28	1.7	Oct 12	.61	Oct 5 1994
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 28	1.8	Oct 11	.75	Oct 1 1994
INSTANTANEOUS PEAK FLOW			1930	May 28	1930	May 28 1996
INSTANTANEOUS PEAK STAGE			6.79	May 28	6.79	May 28 1996
10 PERCENT EXCEEDS	20		56		34	
50 PERCENT EXCEEDS	4.1		6.8		5.6	
90 PERCENT EXCEEDS	1.7		2.4		1.6	

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MT. WASHINGTON, KY--Continued

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	5.6	7.2	92	7.2	12	1940	11	11	60	5.0	2.1	2.3
2	4.6	6.6	19	6.8	10	624	9.1	12	25	4.0	2.1	2.3
3	4.1	5.6	13	6.1	10	226	8.2	97	16	3.5	2.2	2.8
4	3.7	5.1	9.9	6.4	135	55	7.6	16	12	3.4	2.2	2.8
5	3.7	4.8	13	25	36	39	8.2	11	13	3.0	2.2	2.7
6	3.6	4.9	13	11	21	30	7.5	8.3	13	2.9	2.3	2.7
7	4.0	21	10	8.4	16	22	6.0	6.1	18	2.6	2.4	3.0
8	7.3	17	8.6	7.3	19	17	5.8	41	132	2.4	2.5	2.9
9	4.4	15	7.1	8.7	16	24	5.2	20	43	2.4	28	34
10	3.9	8.9	6.8	8.0	13	30	4.7	12	20	2.3	9.3	13
11	3.6	6.3	6.4	6.2	12	18	4.4	8.7	14	2.4	3.7	3.9
12	3.4	4.8	82	5.3	11	14	6.4	7.5	11	2.3	3.3	3.1
13	3.5	4.3	22	4.4	11	15	5.3	6.2	137	2.3	3.4	2.5
14	3.8	4.0	14	6.3	18	25	4.3	5.5	98	2.2	3.9	2.3
15	3.7	3.7	11	15	15	16	4.0	4.9	31	2.3	6.1	2.2
16	3.8	3.8	61	13	12	13	3.9	4.5	61	2.2	3.8	2.0
17	4.0	4.3	253	9.6	11	12	4.2	4.7	49	2.2	3.4	1.9
18	33	5.4	32	6.8	11	389	4.0	4.6	169	2.1	3.1	1.8
19	7.6	4.8	20	5.6	9.5	67	6.2	11	36	2.4	5.7	1.9
20	5.1	4.3	14	4.6	9.1	30	5.1	12	19	2.2	8.9	2.7
21	3.9	5.4	12	4.5	10	20	11	6.4	43	2.2	4.1	2.7
22	3.9	5.0	11	40	8.7	15	7.3	4.9	19	2.2	3.1	2.6
23	8.6	4.8	24	20	7.1	12	5.1	4.4	12	2.4	2.8	2.6
24	5.7	4.6	242	74	6.2	11	4.4	43	8.4	2.9	2.7	3.5
25	4.9	61	23	39	5.9	15	3.9	64	6.7	2.3	2.6	2.8
26	7.4	28	16	18	16	22	3.8	27	12	2.3	2.5	2.5
27	9.7	14	13	136	17	13	6.7	12	6.9	2.8	2.3	2.5
28	11	10	11	73	17	20	9.4	9.1	5.1	2.7	2.4	2.4
29	11	8.4	9.8	23	---	26	5.7	58	7.0	2.3	2.3	2.3
30	9.1	41	8.4	16	---	15	4.8	20	7.7	2.2	2.4	2.2
31	7.6	---	7.8	14	---	14	---	18	---	2.1	2.2	---
TOTAL	199.2	324.0	1085.8	629.2	495.5	3789	183.2	570.8	1104.8	80.5	130.0	118.9
MEAN	6.43	10.8	35.0	20.3	17.7	122	6.11	18.4	36.8	2.60	4.19	3.96
MAX	33	61	253	136	135	1940	11	97	169	5.0	28	34
MIN	3.4	3.7	6.4	4.4	5.9	11	3.8	4.4	5.1	2.1	2.1	1.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)

MEAN	7.62	10.8	18.1	24.5	18.0	45.2	19.6	35.3	16.4	4.79	7.82	3.95
MAX	12.1	20.5	35.0	37.2	22.7	122	34.3	78.7	36.8	11.1	16.6	9.24
(WY)	1994	1994	1997	1994	1994	1997	1994	1996	1997	1993	1993	1996
MIN	1.89	5.09	11.2	15.6	12.8	11.7	6.11	13.0	3.23	1.81	2.40	1.26
(WY)	1995	1995	1995	1995	1995	1995	1997	1994	1995	1994	1994	1994

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1993 - 1997	
ANNUAL TOTAL	8853.1		8710.9			
ANNUAL MEAN	24.2		23.9		18.1	
HIGHEST ANNUAL MEAN					23.9	1997
LOWEST ANNUAL MEAN					11.1	1995
HIGHEST DAILY MEAN	370	May 26	1940	Mar 1	1940	Mar 1 1997
LOWEST DAILY MEAN	2.0	Aug 5	1.8	Sep 18	.61	Oct 5 1994
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 27	2.1	Sep 13	.75	Oct 1 1994
INSTANTANEOUS PEAK FLOW			7480	Mar 1	7480	Mar 1 1997
INSTANTANEOUS PEAK STAGE			10.85	Mar 1	10.85	Mar 1 1997
10 PERCENT EXCEEDS	60		35		34	
50 PERCENT EXCEEDS	8.8		7.3		6.0	
90 PERCENT EXCEEDS	2.6		2.4		1.8	

SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MOUNT WASHINGTON, KY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1992 to current year

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
21...	1230	3.8	736	7.6	14.0	10.3
DEC						
17...	1240	90	341	7.4	8.0	10.6
FEB 1997						
24...	1230	6.3	707	8.2	10.0	15.6
MAR						
24...	1155	11	606	8.2	10.0	14.7
APR						
23...	1110	5.4	656	8.2	14.0	15.9
JUN						
04...	1220	11	629	7.7	16.0	9.5
JUL						
16...	1150	2.6	766	7.8	23.5	8.1
AUG						
27...	1210	2.5	835	7.7	23.0	8.6

SALT RIVER BASIN

03298250 CEDAR CREEK AT THIXTON ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°04'45", long 85°36'58", Jefferson County, Hydrologic Unit 05140102, at culvert on Thixton Road, 4.2 mi above Pennsylvania Run, and at mile 7.4.

DRAINAGE AREA.--11.1 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
21...	1050	4.5	679	7.8	11.0	11.6
DEC						
17...	1100	188	266	7.5	7.5	11.1
FEB 1997						
24...	1050	7.2	668	8.5	6.0	17.3
MAR						
24...	1020	15	568	8.3	8.5	15.5
APR						
23...	0945	5.1	631	7.9	12.0	10.4
JUN						
04...	1030	16	541	7.8	16.0	9.7
JUL						
16...	1100	2.3	744	7.9	22.5	9.0
AUG						
27...	1040	2.9	815	7.9	21.5	9.5

SALT RIVER BASIN

03298300 PENNSYLVANIA RUN AT MOUNT WASHINGTON ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°05'15", long 85°38'33", Jefferson County, Hydrologic Unit 05140102, at bridge on Mt. Washington Road, and at mile 1.9.
DRAINAGE AREA.--6.4 mi^2.
PERIOD OF RECORD.--February 1988 to current year.
COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
21...	0950	2.6	521	7.2	13.5	5.8
DEC						
17...	0850	154	257	7.8	7.0	11.7
FEB 1997						
24...	0850	4.9	546	7.6	5.5	10.8
MAR						
24...	0855	10	370	7.6	9.0	10.3
APR						
23...	0840	3.6	477	7.0	12.0	7.8
JUN						
04...	0905	11	453	7.1	17.5	5.6
JUL						
16...	0920	1.1	683	7.2	21.5	3.4
AUG						
27...	0920	1.1	689	7.2	21.5	4.4

SALT RIVER BASIN

03298500 SALT RIVER AT SHEPHERDSVILLE, KY

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

DRAINAGE AREA.--1,197 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 406.58 ft above sea level. See WDR KY-90-1 for history of changes prior to Oct. 16, 1969.

REMARKS.--Estimated daily discharges: Jan. 10-15 and Mar. 6-12. Records good except for periods of estimated record, which are poor. Flow regulated since January 1983 by Taylorsville Lake (station 03295597). Diversions for water supply by Sheperdsville and other municipalities.

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

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

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2760	305	8320	2700	3420	28100	5310	473	6040	2390	56	36
2	2620	275	4920	1090	3110	65600	4850	492	7990	2300	48	37
3	2480	253	3900	840	2960	58100	4580	4030	7920	2240	44	35
4	2300	227	3510	787	9630	28900	4400	2950	4290	2150	42	34
5	1190	214	2840	2560	11700	10100	4290	1360	3920	2090	38	39
6	683	304	3370	2600	4870	6400	4250	2060	3430	2060	37	36
7	625	258	3330	2380	3700	5200	4160	2020	2640	2020	35	31
8	333	1400	2740	2420	3840	4100	4100	2080	6810	1620	33	30
9	156	2320	2560	2320	3940	4600	4060	3070	13400	488	63	45
10	142	1990	2430	1600	3990	4100	3960	2180	6280	207	680	583
11	136	1670	2330	1200	4110	3800	3890	1000	4420	146	253	290
12	115	1500	4200	1000	4190	4300	3790	706	3460	129	139	125
13	120	1390	5000	920	4110	4690	2710	575	3620	90	128	76
14	117	1320	3300	800	4110	5000	1870	520	9670	118	165	56
15	113	900	2790	1200	4150	5790	667	483	6680	100	98	50
16	107	804	2530	1470	4020	5080	381	454	3070	79	88	46
17	99	441	16400	1010	3680	4520	365	441	7720	74	81	40
18	481	370	11900	1020	2250	10600	352	421	9510	71	97	36
19	616	442	4020	799	1550	19000	355	393	11400	58	85	31
20	486	462	3570	730	1120	8600	389	554	4690	48	302	254
21	356	491	3360	704	1000	6370	398	511	4010	45	176	254
22	274	1050	3180	1460	932	5800	479	465	3780	44	100	61
23	250	1000	3030	3620	815	5280	432	455	2900	43	70	36
24	250	961	10800	4510	742	4880	385	414	2770	54	55	34
25	230	2200	6420	10200	691	4140	344	2780	2710	121	48	35
26	241	5280	3410	4030	709	5190	307	3660	2670	81	46	39
27	431	3250	3310	4920	1120	5270	319	3540	2620	58	43	33
28	424	2500	3340	13800	1520	5220	532	2730	2440	52	41	29
29	420	2080	3130	6800	---	12100	475	3610	2410	95	40	28
30	388	3180	2950	3890	---	7160	413	3600	2490	142	36	25
31	350	---	2860	3840	---	5840	---	2800	---	73	35	---
TOTAL	19293	38837	139750	87220	91979	353830	62813	50827	155760	19286	3202	2484
MEAN	622	1295	4508	2814	3285	11410	2094	1640	5192	622	103	82.8
MAX	2760	5280	16400	13800	11700	65600	5310	4030	13400	2390	680	583
MIN	99	214	2330	704	691	3800	307	393	2410	43	33	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1997, BY WATER YEAR (WY)

MEAN	283	1082	2168	2588	3977	3556	2123	2001	1498	475	284	203
MAX	1166	2206	6329	5728	12370	11410	3506	5768	5192	980	1018	583
(WY)	1991	1994	1991	1991	1989	1997	1989	1995	1997	1996	1992	1996
MIN	25.9	55.5	258	335	996	1113	377	216	38.9	63.6	40.0	46.6
(WY)	1989	1988	1990	1986	1992	1990	1986	1985	1988	1994	1988	1993

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1984 - 1997	
ANNUAL TOTAL	946506		1025281			
ANNUAL MEAN	2586		2809		1675	
HIGHEST ANNUAL MEAN					2809	1997
LOWEST ANNUAL MEAN					995	1986
HIGHEST DAILY MEAN	20300	Jan 24	65600	Mar 2	65600	Mar 2 1997
LOWEST DAILY MEAN	67	Sep 4	25	Sep 30	7.7	Jul 1 1988
ANNUAL SEVEN-DAY MINIMUM	71	Sep 1	32	Sep 24	9.3	Jun 26 1988
INSTANTANEOUS PEAK FLOW			71300	Mar 2	78200	Mar 10 1964
INSTANTANEOUS PEAK STAGE			40.92	Mar 3	41.50	Mar 11 1964
10 PERCENT EXCEEDS	5360		5500		4200	
50 PERCENT EXCEEDS	2070		1360		545	
90 PERCENT EXCEEDS	136		47		46	

SALT RIVER BASIN

03298550 LONG LICK NEAR CLERMONT, KY

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

DRAINAGE AREA.-- 7.91 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 450 ft above sea level.

REMARKS.--Estimated daily discharges: Mar. 1-6. Records fair except for period of estimted record, which is 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	.22	6.4	25	4.9	17	680	23	20	86	.27	.42	.11
2	.36	4.7	3.8	3.9	15	500	12	5.5	75	.23	.18	.16
3	.26	3.1	1.6	3.6	13	200	11	160	110	.21	.16	.11
4	.16	5.4	.54	3.4	148	90	9.7	31	22	.19	.15	.08
5	.15	4.9	.74	39	35	35	8.7	11	8.6	.19	.22	.06
6	.13	3.1	2.4	13	25	80	9.6	6.7	5.8	.36	.24	.04
7	.08	8.9	.95	8.0	20	54	7.3	2.9	7.7	.41	.27	.04
8	.29	11	.42	6.3	19	46	5.9	26	199	.51	.29	.09
9	.76	7.9	.22	6.8	19	37	5.0	23	85	.46	.92	.24
10	.98	.21	.21	6.2	18	72	4.5	5.8	27	.33	.93	.28
11	1.0	.22	.25	4.4	17	44	4.8	3.3	11	.35	.97	.20
12	.81	.50	38	3.3	15	29	5.6	1.9	7.2	.35	1.2	.16
13	.81	.52	6.7	2.7	13	30	4.1	1.9	7.9	.24	1.2	.13
14	.37	.47	1.9	2.4	15	90	2.9	1.8	77	.24	1.0	.14
15	.53	.39	.83	3.4	19	44	2.6	1.4	28	.23	.84	.15
16	.65	.33	34	8.4	19	27	2.7	1.2	23	.20	.68	.18
17	.81	.15	209	2.3	16	22	3.1	1.1	47	.13	.55	.16
18	9.3	.58	17	.80	13	192	3.2	.80	149	.11	.69	.16
19	.94	.89	7.3	3.1	11	135	5.3	40	49	.09	.53	.14
20	.13	.70	4.9	2.2	9.0	66	4.6	32	9.3	.08	1.6	.23
21	.14	2.4	3.4	1.7	8.3	37	5.6	3.3	5.1	.07	1.0	.24
22	2.1	3.0	3.0	47	8.1	26	6.8	.60	3.3	.06	.88	.25
23	5.3	.83	2.8	41	7.0	17	5.3	.48	2.0	.10	.82	.25
24	4.8	.50	79	194	5.0	11	4.4	16	1.3	.06	.63	.23
25	4.3	18	18	77	4.4	30	3.7	107	.94	.09	.60	.20
26	5.2	7.9	12	32	7.3	87	3.9	14	.81	.15	.49	.20
27	7.3	.52	9.7	67	21	33	41	4.0	.63	.68	.38	.23
28	5.8	.48	8.5	70	12	172	29	2.7	.39	.37	.25	.17
29	5.9	.08	7.0	33	---	152	6.3	5.4	.30	.76	.17	.14
30	7.6	16	3.1	25	---	63	3.2	4.2	.25	.47	.15	.21
31	7.1	---	3.7	19	---	40	---	3.3	---	.38	.12	---
TOTAL	74.28	110.075	05.96	734.80	549.1	3141	244.8	538.28	1049.52	8.37	18.53	4.98
MEAN	2.40	3.67	16.3	23.7	19.6	101	8.16	17.4	35.0	.27	.60	.17
MAX	9.3	18	209	194	148	680	41	160	199	.76	1.6	.28
MIN	.08	.08	.21	.80	4.4	11	2.6	.48	.25	.06	.12	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1997, BY WATER YEAR (WY)

MEAN	2.46	3.97	7.68	20.6	16.6	40.5	17.5	21.5	13.1	1.47	2.16	.82
MAX	4.92	9.13	16.3	29.2	25.8	101	27.9	47.2	35.0	3.02	9.21	1.69
(WY)	1996	1994	1997	1996	1994	1997	1996	1995	1997	1992	1995	1992
MIN	.18	.68	1.78	8.87	10.2	11.5	8.16	6.69	.84	.27	.48	.17
(WY)	1995	1995	1993	1993	1996	1995	1997	1992	1994	1997	1994	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1992 - 1997	
ANNUAL TOTAL	5440.38		6979.69			
ANNUAL MEAN	14.9		19.1		12.9	
HIGHEST ANNUAL MEAN					19.1	1997
LOWEST ANNUAL MEAN					8.63	1993
HIGHEST DAILY MEAN	221	Jun 8	680	Mar 1	680	Mar 1 1997
LOWEST DAILY MEAN	.06	Sep 8	.04	Sep 6	.03	Oct 2 1994
ANNUAL SEVEN-DAY MINIMUM	.07	Sep 5	.08	Jul 19	.04	Oct 2 1994
INSTANTANEOUS PEAK FLOW			2790	Mar 1	2790	Mar 1 1997
INSTANTANEOUS PEAK STAGE			11.38	Mar 1	11.38	Mar 1 1997
10 PERCENT EXCEEDS	35		44		29	
50 PERCENT EXCEEDS	4.6		3.3		2.0	
90 PERCENT EXCEEDS	.18		.16		.21	

SALT RIVER BASIN

03300400 BEECH FORK AT MAUD, KY

LOCATION.--Lat 37°49'58", long 85°17'46", Nelson County, Hydrologic Unit 05140103, on right bank on downstream side of bridge on State Highway 55, 100 ft upstream from Nealy Run, 0.8 mi north of Maud, 1.7 mi downstream from Chaplin River, and at mile 48.1.
DRAINAGE AREA.--436 mi^2.
PERIOD OF RECORD.--August 1972 to current year.
GAGE.--Water-stage recorder. Datum of gage is 530.00 ft above sea level.
REMARKS.--Estimated daily discharges: Jan. 10-21, Mar. 2, and June 30 to July 21. Records good 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	388	147	6100	313	453	16000	799	264	6180	98	1.9	1.5
2	258	110	3000	294	364	39800	643	393	7780	74	1.3	1.4
3	187	87	850	276	308	28500	503	708	6550	66	1.2	1.2
4	140	72	483	254	7530	10600	419	1670	2670	53	1.1	.85
5	110	63	359	563	9040	3960	366	532	1040	47	1.0	.72
6	88	58	371	465	2680	6940	327	318	660	37	1.0	.67
7	74	663	362	439	893	2130	282	240	578	32	.82	.62
8	62	3430	303	315	724	975	236	199	2830	27	.75	.62
9	53	1560	247	283	788	723	203	255	9870	23	.78	1.5
10	46	550	213	340	717	919	180	507	4920	20	1.9	3.8
11	42	347	191	370	570	846	166	296	1210	18	2.2	3.7
12	38	252	3440	320	475	592	161	206	1050	16	2.5	2.4
13	33	192	3230	290	418	447	158	169	926	15	4.2	1.7
14	30	160	917	260	705	693	146	150	6660	14	4.4	1.4
15	28	135	505	400	1500	1290	131	142	8260	13	2.1	1.3
16	25	118	430	840	893	679	119	134	2440	12	1.7	1.2
17	22	107	10000	620	598	488	112	122	2090	8.6	1.5	1.1
18	37	309	7160	390	462	2020	105	108	4090	8.6	3.4	1.0
19	52	963	1350	420	402	7600	103	127	1990	6.6	1.9	.94
20	49	580	658	300	354	2560	105	1670	797	6.2	2.8	1.2
21	75	433	452	450	317	946	109	980	529	6.2	3.1	1.5
22	55	773	357	596	299	669	112	387	391	5.4	5.1	1.2
23	51	584	314	1020	313	491	109	230	305	4.4	23	1.1
24	79	369	3220	2710	260	380	108	169	253	3.9	17	1.3
25	66	926	2840	6680	226	335	98	314	206	3.4	12	1.3
26	63	2930	851	2000	223	992	89	788	181	2.8	8.6	1.2
27	78	1100	529	842	328	883	95	936	150	2.7	6.3	1.2
28	83	564	427	4120	494	1090	356	437	133	3.0	4.7	1.2
29	115	404	388	2460	---	6920	415	314	132	3.3	3.7	1.1
30	172	1710	401	877	---	3050	281	517	107	2.9	2.4	1.0
31	146	---	341	590	---	1020	---	547	---	2.5	1.7	---
TOTAL	2745	19696	50289	30097	32334	144538	7036	13829	74978	635.5	126.05	40.92
MEAN	88.5	657	1622	971	1155	4663	235	446	2499	20.5	4.07	1.36
MAX	388	3430	10000	6680	9040	39800	799	1670	9870	98	23	3.8
MIN	22	58	191	254	223	335	89	108	107	2.5	.75	.62
CFSM	.20	1.51	3.72	2.23	2.65	10.7	.54	1.02	5.73	.05	.01	.00
IN.	.23	1.68	4.29	2.57	2.76	12.33	.60	1.18	6.40	.05	.01	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1997, BY WATER YEAR (WY)

MEAN	177	542	1083	976	1196	1274	752	682	484	197	177	254
MAX	1042	1699	3691	2461	5071	4663	2022	2359	2499	685	939	2284
(WY)	1976	1989	1979	1974	1989	1997	1979	1995	1997	1979	1978	1979
MIN	.011	.24	111	16.2	203	134	103	43.6	3.32	2.45	.87	.43
(WY)	1988	1988	1981	1981	1980	1983	1986	1976	1988	1975	1986	1987

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1973 - 1997	
ANNUAL TOTAL	303426.6		376344.47			
ANNUAL MEAN	829		1031		647	
HIGHEST ANNUAL MEAN					1243	1979
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	10000	Dec 17	39800	Mar 2	39800	Mar 2 1997
LOWEST DAILY MEAN	3.7	Sep 9	.62	Sep 7	.00	Oct 8 1983
ANNUAL SEVEN-DAY MINIMUM	4.1	Sep 5	.87	Sep 2	.00	Oct 23 1987
INSTANTANEOUS PEAK FLOW			41500	Mar 2	41500	Mar 2 1997
INSTANTANEOUS PEAK STAGE			27.60	Mar 2	27.60	Mar 2 1997
ANNUAL RUNOFF (CFSM)	1.90		2.36		1.48	
ANNUAL RUNOFF (INCHES)	25.89		32.11		20.16	
10 PERCENT EXCEEDS	2340		2500		1400	
50 PERCENT EXCEEDS	306		264		175	
90 PERCENT EXCEEDS	22		1.7		5.6	

SALT RIVER BASIN

03301500 ROLLING FORK NEAR BOSTON, KY

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

DRAINAGE AREA.--1,299 mi^2.

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

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 400.42 ft above sea level. See WDR KY-90-1 for history of changes prior to Sept. 30, 1971.

REMARKS.--Estimated daily discharges: March 8 to 13. Records fair except for periods of estimated record, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 55.2 ft, former site, from floodmarks (backwater from Ohio 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	3550	400	8550	1330	2310	13000	3400	1420	5860	498	83	39
2	1050	365	12000	1270	1790	36000	2550	1480	12700	574	86	35
3	794	329	8610	1180	1440	64900	2040	2640	16100	518	78	32
4	584	283	3280	1100	8970	68400	1710	4140	15600	418	69	28
5	481	245	2390	2520	18100	14000	1480	2890	10500	359	60	25
6	393	223	2470	2620	19100	10900	1320	1530	4570	314	51	24
7	331	504	2100	2140	13400	11000	1190	1130	5140	277	44	23
8	285	4690	1560	1680	5890	32800	989	903	9240	245	37	19
9	251	6490	1200	1430	3470	21600	860	982	14100	219	49	18
10	225	3410	971	1350	3110	14000	761	1080	16700	198	164	49
11	262	1640	876	1260	2600	8600	694	1090	12400	178	130	102
12	188	1140	4720	1180	2180	7670	659	788	5090	161	111	97
13	172	888	9280	1090	1880	6750	644	645	3050	149	110	81
14	154	726	5080	1010	2070	5830	600	575	6950	141	118	62
15	137	625	2340	978	3350	4920	556	528	14200	127	104	48
16	127	545	1920	1480	3550	4150	507	504	15100	115	83	37
17	118	490	11400	1750	2600	2500	478	463	8310	106	79	36
18	146	554	17900	1930	2020	4400	448	415	7420	96	109	38
19	151	1270	17000	1590	1750	13100	446	897	8240	89	98	33
20	205	2070	9280	1290	1530	15500	459	5740	3960	80	119	30
21	220	1470	2770	1100	1370	11800	467	5150	2240	74	157	48
22	194	1610	1770	1290	1280	4940	506	2070	1580	70	151	88
23	215	2120	1550	2030	1230	2530	500	1100	1220	65	138	68
24	204	1540	5110	4330	1140	1870	498	806	1010	85	142	115
25	197	1810	8820	10600	1000	1530	464	735	837	97	111	109
26	230	5530	7100	12600	962	2290	415	907	758	90	88	86
27	272	5060	2970	7560	1180	2920	573	1700	899	104	78	70
28	290	2630	2230	6890	1640	2750	1240	1250	822	89	73	57
29	326	1720	1870	9600	---	9260	2500	1230	742	109	64	47
30	357	2270	1670	6430	---	12300	1580	1430	608	122	54	39
31	396	---	1530	3180	---	7410	---	2030	---	113	46	---
TOTAL	12505	52647	160317	95788	110912	419620	30534	48248	205946	5880	2884	1583
MEAN	403	1755	5172	3090	3961	13540	1018	1556	6865	190	93.0	52.8
MAX	3550	6490	17900	12600	19100	68400	3400	5740	16700	574	164	115
MIN	118	223	876	978	962	1530	415	415	608	65	37	18
CFSM	.31	1.35	3.98	2.38	3.05	10.4	.78	1.20	5.28	.15	.07	.04
IN.	.36	1.51	4.59	2.74	3.18	12.02	.87	1.38	5.90	.17	.08	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

MEAN	313	1071	2436	3031	3832	3925	2803	1899	1110	751	425	464
MAX	2778	5310	11050	13420	16320	13540	11350	11810	6865	5339	2806	8265
(WY)	1976	1958	1979	1950	1989	1997	1972	1983	1997	1958	1977	1979
MIN	.57	4.32	5.84	77.0	288	344	353	150	24.4	6.78	24.2	1.89
(WY)	1954	1944	1944	1981	1954	1941	1986	1941	1988	1954	1965	1953

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997	
ANNUAL TOTAL	966178		1146864			
ANNUAL MEAN	2640		3142		1829	
HIGHEST ANNUAL MEAN					4268	1979
LOWEST ANNUAL MEAN					473	1941
HIGHEST DAILY MEAN	17900	Dec 18	68400	Mar 4	68400	Mar 4 1997
LOWEST DAILY MEAN	47	Sep 4	18	Sep 9	.40	Oct 20 1939
ANNUAL SEVEN-DAY MINIMUM	55	Sep 2	24	Sep 3	.40	Oct 3 1953
INSTANTANEOUS PEAK FLOW			69800	Mar 3	69800	Mar 3 1997
INSTANTANEOUS PEAK STAGE			53.22	Mar 3	53.22	Mar 3 1997
INSTANTANEOUS LOW FLOW					.40	Oct 20 1939
ANNUAL RUNOFF (CFSM)	2.03		2.42		1.41	
ANNUAL RUNOFF (INCHES)	27.67		32.84		19.13	
10 PERCENT EXCEEDS	7170		9250		4840	
50 PERCENT EXCEEDS	1140		1090		507	
90 PERCENT EXCEEDS	163		76		27	

SALT RIVER BASIN

03301575 WILSON CREEK AT HARRISON FORK ROAD NEAR DEATSVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 37°52'10", long 85°35'58", Nelson County, Hydrologic Unit 05140103, Bernheim State Forest, at Harrison Fork Road ford, 300 ft upstream from Harrison Fork, 2.9 mi southwest of Deatsville, 5.4 mi southeast of Clermont, and at mile 13.6.

DRAINAGE AREA.--5.7 mi^2.

PERIOD OF RECORD.--October 1990 to current year.

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
22...	1225	0.54	538	7.9	14.0	10.4
DEC						
05...	1246	3.6	479	8.2	5.0	13.3
FEB 1997						
26...	0900	4.9	445	8.1	5.5	12.3
MAR						
18...	1235	152	169	6.6	8.5	11.2
APR						
22...	1220	3.4	441	7.7	12.5	12.1
MAY						
22...	0905	3.6	443	7.6	11.5	10.1
JUL						
21...	0910	0.23	519	7.5	22.0	6.7
AUG						
26...	0920	0.30	510	8.0	19.5	7.0

SALT RIVER BASIN

03301880 SOUTHERN DITCH AT MINORS LANE NEAR OKOLONA, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°08'04", long 85°42'34", Jefferson County, Hydrologic Unit 05140102, at bridge on Minors Lane, 0.2 mi below Mud Creek, and at mile 4.2.

DRAINAGE AREA.--12.8 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
08...	0945	1.1	702	7.2	15.5	5.0
DEC						
16...	1025	10	637	7.6	7.5	9.6
FEB 1997						
19...	1020	9.2	602	7.7	8.5	10.0
MAR						
17...	1020	12	556	7.2	7.0	11.5
APR						
16...	1020	3.5	603	7.5	13.5	9.6
JUN						
02...	1005	30	495	7.8	17.0	8.6
JUL						
10...	1005	2.9	574	8.1	24.5	5.4
AUG						
20...	1025	13	486	7.3	22.5	5.4

SALT RIVER BASIN

03301885 SLOP DITCH NEAR OKOLONA, KY

LOCATION.--Lat 38°08'40", long 85°43'15", Jefferson County, Hydrologic Unit 05140102, on downstream side of bridge on service road at Outer Loop Landfill at Okolona, and at mile 1.4.

DRAINAGE AREA.--1.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1994 to September 1996 (discontinued).

GAGE.--Water-stage recorder.

REMARKS.--1994: Estimated daily discharges: May 27-29, June 4-6. Records fair except for periods of estimated record, which are poor.

1995: Estimated daily discharges: Nov. 7-11, Feb. 1-10, June 2-9, June 13-21, and Aug. 7-21. Records poor.

1996: Estimated daily discharges: Oct. 20-23, Oct. 27-Nov. 13, and Sept. 25-30. Records fair except for periods of estimated record, which are poor.

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	---	---	---	---	---	---	---	---	1.7	.06	.13	.16
2	---	---	---	---	---	---	---	---	.70	.02	.06	.11
3	---	---	---	---	---	---	---	---	.20	.07	.03	.05
4	---	---	---	---	---	---	---	---	.07	.18	.02	.01
5	---	---	---	---	---	---	---	---	.04	.07	2.1	.79
6	---	---	---	---	---	---	---	---	.01	.22	.77	2.7
7	---	---	---	---	---	---	---	---	1.1	1.0	.17	.56
8	---	---	---	---	---	---	---	---	1.6	.09	.08	.22
9	---	---	---	---	---	---	---	---	.63	.04	.04	.14
10	---	---	---	---	---	---	---	.69	.21	.01	.01	.06
11	---	---	---	---	---	---	---	.36	.07	.00	.59	.03
12	---	---	---	---	---	---	---	.56	.04	.00	.46	.11
13	---	---	---	---	---	---	---	.23	.01	.00	.01	.07
14	---	---	---	---	---	---	---	1.5	.00	.00	.02	.06
15	---	---	---	---	---	---	---	4.5	.00	.00	.64	.04
16	---	---	---	---	---	---	---	1.5	.00	.00	.29	.00
17	---	---	---	---	---	---	---	.51	.00	.00	.06	.74
18	---	---	---	---	---	---	---	.24	.00	.35	.02	1.1
19	---	---	---	---	---	---	---	.17	.00	.49	.00	.17
20	---	---	---	---	---	---	---	.12	5.0	.02	.01	.18
21	---	---	---	---	---	---	---	.10	2.5	.39	1.9	.09
22	---	---	---	---	---	---	---	.07	.82	2.3	.53	.10
23	---	---	---	---	---	---	---	.06	.18	.24	.12	.86
24	---	---	---	---	---	---	---	.05	4.0	.09	.05	7.5
25	---	---	---	---	---	---	---	.61	2.1	.06	.26	3.3
26	---	---	---	---	---	---	---	3.3	.84	.67	.10	2.0
27	---	---	---	---	---	---	---	1.0	4.4	.54	.02	1.9
28	---	---	---	---	---	---	---	.20	.58	5.0	.00	1.8
29	---	---	---	---	---	---	---	.07	.20	.47	4.3	1.2
30	---	---	---	---	---	---	---	.04	.11	1.5	1.4	.86
31	---	---	---	---	---	---	---	.43	---	.35	.36	---
TOTAL	---	---	---	---	---	---	---	---	27.11	14.23	14.55	26.91
MEAN	---	---	---	---	---	---	---	---	.90	.46	.47	.90
MAX	---	---	---	---	---	---	---	---	5.0	5.0	4.3	7.5
MIN	---	---	---	---	---	---	---	---	.00	.00	.00	.00

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

MEAN	---	---	---	---	---	---	---	---	.90	.46	.47	.90
MAX	---	---	---	---	---	---	---	---	.90	.46	.47	.90
(WY)	---	---	---	---	---	---	---	---	1994	1994	1994	1994
MIN	---	---	---	---	---	---	---	---	.90	.46	.47	.90
(WY)	---	---	---	---	---	---	---	---	1994	1994	1994	1994

SALT RIVER BASIN

03301885 SLOP DITCH NEAR OKOLONA, KY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

-DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.88	.25	.46	.39	1.0	.46	.45	10	5.3	2.9	.01	.00
2	.90	.23	.29	.50	.80	.41	.43	9.7	3.9	1.6	.01	.00
3	.75	.18	.24	.35	.70	.42	.50	2.2	2.5	.77	.01	.00
4	.69	.17	14	.35	.60	.40	.46	.94	1.6	.49	.00	.00
5	.55	.19	6.2	.34	.55	3.0	.38	.53	1.0	19	15	.00
6	.48	3.2	1.6	7.5	.50	2.3	.38	.44	.70	3.2	16	.00
7	.44	.70	1.0	4.0	.47	5.2	.45	.29	.50	.95	3.5	.00
8	.40	.50	.55	2.2	.45	17	.42	.19	.42	.54	10	.00
9	3.4	4.5	8.1	.92	.43	3.7	.27	14	.37	.24	5.0	.00
10	2.0	1.3	16	.81	.40	2.3	.17	3.1	.34	.16	2.0	.00
11	.36	.55	4.2	5.3	.69	1.5	.17	1.3	.78	.10	1.0	.02
12	.20	.42	1.9	3.0	.52	1.0	4.2	.52	7.1	.06	.40	.25
13	.33	.28	1.0	1.4	.46	.77	.58	18	2.5	.03	.20	.13
14	1.3	.28	.70	20	.50	.67	.24	80	1.0	.01	.13	.06
15	.50	2.0	.57	7.0	28	.58	.13	6.1	.50	.01	.10	.03
16	.25	14	7.7	2.6	13	.56	.12	5.0	.25	.01	.09	5.0
17	.17	2.3	4.8	1.6	3.7	.52	1.6	218	.20	.00	.07	2.5
18	.19	1.2	1.6	1.2	2.5	.47	.56	344	.17	.00	1.6	1.0
19	21	.37	1.2	2.2	1.8	.44	.26	159	.15	.00	1.8	.50
20	5.2	.24	.94	1.6	1.4	1.8	2.9	10	.13	.00	.60	3.5
21	1.8	1.7	.69	.93	.96	1.9	11	6.9	.12	.00	.15	1.8
22	.70	.88	.55	.62	.69	.77	1.3	5.7	3.7	.02	.08	.58
23	.32	.29	.49	.59	.74	.81	5.5	4.0	2.5	2.1	.03	.34
24	.21	.23	.43	.54	.63	.67	6.2	2.7	1.5	9.9	.00	.27
25	.18	1.1	.39	.46	.48	.57	1.7	3.1	1.2	.67	.00	.24
26	.17	.96	.37	.42	.45	.49	.75	3.0	5.4	.28	.00	.23
27	.14	9.1	.57	.41	.47	1.4	.38	3.2	4.4	.17	.00	.23
28	.13	8.4	.36	20	.58	.87	.31	15	3.3	.40	.00	.23
29	.12	1.3	.35	4.0	---	.49	.21	6.4	6.2	.16	.00	.23
30	.11	.50	.33	2.3	---	.46	.20	4.7	4.8	.07	.00	.22
31	.14	---	.35	1.4	---	.44	---	4.3	---	.03	.00	---
TOTAL	44.01	57.32	77.93	94.93	63.47	52.37	42.22	942.31	62.53	43.87	57.78	17.36
MEAN	1.42	1.91	2.51	3.06	2.27	1.69	1.41	30.4	2.08	1.42	1.86	.58
MAX	21	14	16	20	28	17	11	344	7.1	19	16	5.0
MIN	.11	.17	.24	.34	.40	.40	.12	.19	.12	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

MEAN	1.42	1.91	2.51	3.06	2.27	1.69	1.41	30.4	1.49	.94	1.17	.74
MAX	1.42	1.91	2.51	3.06	2.27	1.69	1.41	30.4	2.08	1.42	1.86	.90
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1994
MIN	1.42	1.91	2.51	3.06	2.27	1.69	1.41	30.4	.90	.46	.47	.58
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1994	1994	1994	1995

SUMMARY STATISTICS	FOR 1995 WATER YEAR		WATER YEARS 1994 - 1995	
ANNUAL TOTAL	1556.10			
ANNUAL MEAN	4.26		4.26	
HIGHEST ANNUAL MEAN			4.26	1995
LOWEST ANNUAL MEAN			4.26	1995
HIGHEST DAILY MEAN	344	May 18	344	May 18 1995
LOWEST DAILY MEAN	.00	Jul 17	.00	Jun 14 1994
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 24	.00	Jul 11 1994
INSTANTANEOUS PEAK STAGE	9.55	May 18	9.55	May 18 1995
10 PERCENT EXCEEDS	6.2		5.0	
50 PERCENT EXCEEDS	.56		.49	
90 PERCENT EXCEEDS	.05		.01	

03301885 SLOP DITCH NEAR OKOLONA, KY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

-DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.21	.45	.40	3.0	.66	1.2	12	3.7	1.3	.17	.24	.43
2	.32	.42	.37	12	.62	.95	3.7	2.3	3.0	.19	.25	.44
3	7.8	4.0	.37	6.9	.62	.73	2.4	2.1	1.4	1.0	.41	.48
4	6.3	1.0	.35	2.6	.62	.60	2.3	19	.79	.30	.34	.47
5	108	.70	.37	1.8	.62	2.4	2.0	18	.67	.24	.29	.44
6	11	.45	.35	1.4	.62	30	1.5	9.8	.93	.20	.27	1.0
7	2.7	3.0	.32	1.4	.73	7.4	1.3	4.3	4.4	.24	.27	.56
8	1.8	1.3	.32	1.8	1.5	3.7	1.1	7.1	17	.99	2.8	1.9
9	.96	.70	.33	2.3	1.5	3.1	.96	3.8	12	.35	4.8	12
10	.75	.45	.33	2.6	.73	1.7	.82	9.3	6.5	.26	.81	6.3
11	.92	9.0	.33	2.5	.65	1.4	.72	25	16	.23	.48	1.6
12	.80	2.0	.33	2.7	.51	1.3	.67	4.1	18	.19	.44	.54
13	.76	8.0	.42	3.1	.50	1.1	3.2	2.0	2.6	.19	.48	.45
14	.51	2.3	.51	7.1	.77	.97	2.6	1.4	1.2	.97	.44	.39
15	.42	1.4	5.9	5.2	.65	5.8	2.3	9.7	.75	7.1	.40	.37
16	.51	1.0	8.4	4.6	.46	4.4	1.8	3.2	.52	.74	.39	19
17	3.0	.77	1.7	5.3	.40	4.0	1.2	1.7	.43	.39	.39	5.8
18	1.2	.64	16	31	.39	1.9	.87	1.0	2.0	.44	.41	.98
19	.55	.56	22	35	4.1	25	1.3	.65	2.4	.81	.40	1.9
20	2.5	.51	5.2	2.4	12	11	13	.53	1.3	1.1	.40	1.0
21	1.0	.48	2.9	1.5	2.5	4.7	3.1	.46	.46	9.3	.41	3.0
22	.60	.46	2.1	1.5	2.0	2.7	4.0	.46	.34	4.2	1.3	8.1
23	.54	1.7	1.7	24	1.7	2.0	13	.41	.29	1.3	.78	1.8
24	.50	1.0	1.3	112	1.2	1.4	4.8	.40	.27	.46	.82	.55
25	9.0	.59	.98	3.5	.71	3.0	2.6	2.3	.29	.41	1.2	.47
26	4.6	.49	.82	2.8	.92	1.6	6.5	259	.23	.37	.63	.42
27	15	.47	.73	2.6	6.4	.95	2.3	87	.21	.32	.53	25
28	3.0	.97	.77	1.5	5.9	2.8	5.1	71	.20	.29	.55	8.0
29	1.0	.63	.75	1.3	1.8	4.6	21	141	.19	.27	.93	1.5
30	.70	.46	.69	1.1	---	1.9	9.7	3.7	.18	.26	.50	.80
31	.50	---	2.7	.76	---	3.2	---	1.9	---	.25	.45	---
TOTAL	187.45	45.90	79.74	287.26	51.78	137.50	127.84	696.31	95.85	33.53	22.81	105.69
MEAN	6.05	1.53	2.57	9.27	1.79	4.44	4.26	22.5	3.19	1.08	.74	3.52
MAX	108	9.0	22	112	12	30	21	259	18	9.3	4.8	25
MIN	.21	.42	.32	.76	.39	.60	.67	.40	.18	.17	.24	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

MEAN	3.73	1.72	2.54	6.16	2.02	3.06	2.83	26.4	2.06	.99	1.02	1.67
MAX	6.05	1.91	2.57	9.27	2.27	4.44	4.26	30.4	3.19	1.42	1.86	3.52
(WY)	1996	1995	1996	1996	1995	1996	1996	1995	1996	1995	1995	1996
MIN	1.42	1.53	2.51	3.06	1.79	1.69	1.41	22.5	.90	.46	.47	.58
(WY)	1995	1996	1995	1995	1996	1995	1995	1996	1994	1994	1994	1995

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1994 - 1996	
ANNUAL TOTAL	1689.93		1871.66			
ANNUAL MEAN	4.63		5.11		4.69	
HIGHEST ANNUAL MEAN					5.11	1996
LOWEST ANNUAL MEAN					4.26	1995
HIGHEST DAILY MEAN	344	May 18	259	May 26	344	May 18 1995
LOWEST DAILY MEAN	.00	Jul 17	.17	Jul 1	.00	Jun 14 1994
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 24	.20	Jun 26	.00	Jul 11 1994
INSTANTANEOUS PEAK STAGE			10.47	May 26	10.47	May 26 1996
10 PERCENT EXCEEDS	6.3		9.3		6.3	
50 PERCENT EXCEEDS	.63		1.1		.69	
90 PERCENT EXCEEDS	.05		.34		.07	

SALT RIVER BASIN

03301900 FERN CREEK AT OLD BARDSTOWN ROAD AT LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.-- Lat 38°10'32", long 85°36'55", Jefferson County, Hydrologic Unit 05140102, at bridge on Old Bardstown Road, and at mile 3.2.
DRAINAGE AREA.--3.5 mi^2.
PERIOD OF RECORD.--February 1988 to current year.
COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 19967

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
17...	0845	1.3	685	7.4	15.0	7.2
DEC						
18...	0930	15	589	7.8	8.0	10.5
FEB 1997						
12...	0840	7.8	687	7.4	6.5	10.8
MAR						
13...	0840	7.7	621	8.0	9.5	10.7
APR						
21...	0900	6.7	484	7.2	12.0	9.6
JUN						
03...	0900	13	616	7.8	16.0	8.2
JUL						
14...	0910	1.5	685	7.8	21.5	7.5
AUG						
25...	0905	1.5	704	7.6	18.5	7.6

SALT RIVER BASIN

03301940 NORTHERN DITCH AT OKOLONA, KY

WATER-QUALITY RECORDS

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

DRAINAGE AREA.-- 11.1 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
08...	0845	4.5	666	7.6	13.0	7.8
DEC						
16...	0850	17	595	7.8	8.0	10.5
FEB 1997						
19...	0915	15	681	7.7	8.5	10.4
MAR						
17...	0840	19	573	7.2	7.5	12.0
APR						
16...	0845	7.3	597	8.3	12.0	14.1
JUN						
02...	0900	33	509	8.1	17.0	11.0
JUL						
10...	0900	5.4	631	7.9	21.0	9.0
AUG						
20...	0855	12	491	7.6	22.5	7.5

SALT RIVER BASIN

03301950 SPRING DITCH AT PRIVATE DRIVE NEAR OKOLONA, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°09'27", long 85°40'57", Jefferson County, Hydrologic Unit 05140102, at bridge on Private Drive, and at mile 1.0.
DRAINAGE AREA.--1.6 mi^2.
PERIOD OF RECORD.--February 1988 to current year.
COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
09...	0845	1.4	511	7.1	14.5	5.2
DEC						
09...	0850	1.3	631	7.3	5.5	9.8
FEB 1997						
11...	1240	2.6	750	7.5	8.5	18.8
MAR						
12...	1235	5.4	514	7.7	16.5	14.0
APR						
15...	1215	0.88	622	8.3	21.5	14.5
MAY						
28...	1125	1.8	532	7.2	16.5	8.2
JUL						
08...	1205	0.70	701	8.0	25.0	19.8
AUG						
19...	1315	0.46	710	8.4	27.0	17.5

SALT RIVER BASIN

03302000 POND CREEK NEAR LOUISVILLE, KY

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

DRAINAGE AREA.--64.0 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1705: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 430.38 ft above sea level. See WDR KY-90-1 for history of changes prior to Nov. 16, 1962.

REMARKS.--Estimated daily discharges: Dec. 18 to Feb. 18. Peak stage on March 2 possibly affected by backwater. Records fair, except for period of estimated record, which is poor

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

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	39	13	732	40	64	5270	76	77	706	125	5.9	7.3
2	25	12	135	35	56	7200	60	54	236	77	5.9	6.1
3	19	11	83	33	54	4770	51	795	173	50	5.8	17
4	15	11	59	30	470	963	45	129	92	35	6.0	6.8
5	13	10	96	150	300	374	74	77	80	25	6.0	5.6
6	12	49	96	80	160	231	53	59	99	20	6.2	5.2
7	11	112	55	60	110	143	36	44	89	18	6.1	5.7
8	11	121	38	50	90	109	29	331	907	16	5.8	5.4
9	13	73	28	47	80	165	25	184	503	16	115	95
10	19	35	24	40	70	284	22	78	153	15	67	230
11	16	23	24	35	62	123	21	51	97	13	19	20
12	10	17	418	30	54	87	45	38	70	13	92	14
13	9.1	15	126	28	50	96	26	28	566	9.9	206	10
14	8.7	14	72	25	110	265	20	25	995	283	192	7.1
15	8.7	12	52	30	95	108	18	21	262	49	57	14
16	8.6	12	307	150	75	76	19	18	373	17	27	15
17	8.4	13	440	110	64	67	21	16	759	13	13	9.3
18	288	24	280	70	53	2190	17	15	1620	10	10	7.1
19	45	16	140	50	45	921	46	71	347	10	29	6.0
20	21	13	84	40	40	253	24	96	162	8.7	109	9.6
21	15	31	62	35	54	159	114	25	235	7.9	22	7.1
22	13	24	54	250	43	115	49	17	158	21	13	7.0
23	62	23	45	200	29	85	30	14	84	8.0	9.5	6.5
24	20	15	600	400	25	67	23	154	58	10	8.1	33
25	14	449	150	200	23	100	19	441	40	7.0	10	12
26	42	263	100	140	120	191	16	148	127	42	36	8.2
27	41	86	84	700	180	88	62	61	48	56	11	6.9
28	42	56	72	600	117	199	78	59	31	15	8.2	6.1
29	32	40	60	200	---	312	33	964	428	31	7.7	6.1
30	19	240	50	110	---	124	25	181	350	9.0	6.5	5.9
31	15	---	45	80	---	113	---	186	---	6.2	8.1	---
TOTAL	915.5	1833	4611	4048	2693	25248	1177	4457	9848	1036.7	1123.8	595.0
MEAN	29.5	61.1	149	131	96.2	814	39.2	144	328	33.4	36.3	19.8
MAX	288	449	732	700	470	7200	114	964	1620	283	206	230
MIN	8.4	10	24	25	23	67	16	14	31	6.2	5.8	5.2
CFSM	.46	.95	2.32	2.04	1.50	12.7	.61	2.25	5.13	.52	.57	.31
IN.	.53	1.07	2.68	2.35	1.57	14.68	.68	2.59	5.72	.60	.65	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

MEAN	28.2	59.3	98.8	130	158	193	134	113	67.5	46.4	35.3	32.4
MAX	117	256	310	614	454	814	551	505	328	282	186	399
(WY)	1976	1974	1979	1950	1989	1997	1970	1983	1997	1973	1992	1979
MIN	1.76	2.60	4.48	8.52	10.1	11.4	22.0	10.6	4.54	2.96	.78	1.15
(WY)	1947	1945	1954	1977	1954	1954	1954	1954	1954	1952	1945	1945

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1944 - 1997	
ANNUAL TOTAL	52614.9		57586.0			
ANNUAL MEAN	144		158		91.0	
HIGHEST ANNUAL MEAN					159	1950
LOWEST ANNUAL MEAN					11.4	1954
HIGHEST DAILY MEAN	2690	May 26	7200	Mar 2	7200	Mar 2 1997
LOWEST DAILY MEAN	5.6	Aug 29	5.2	Sep 6	.10	Sep 3 1945
ANNUAL SEVEN-DAY MINIMUM	6.3	Aug 27	6.0	Aug 2	.19	Sep 17 1945
INSTANTANEOUS PEAK FLOW			7800	Mar 2	8020	Mar 9 1964
INSTANTANEOUS PEAK STAGE			25.74	Mar 2	25.74	Mar 2 1997
INSTANTANEOUS LOW FLOW					.10	Sep 3 1945
ANNUAL RUNOFF (CFSM)	2.25		2.47		1.42	
ANNUAL RUNOFF (INCHES)	30.58		33.47		19.33	
10 PERCENT EXCEEDS	363		283		191	
50 PERCENT EXCEEDS	50		45		26	
90 PERCENT EXCEEDS	9.2		8.5		5.7	

SALT RIVER BASIN

03302000 POND CREEK NEAR LOUISVILLE, KY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1988 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1988 to September 1992.
pH: May 1988 to September 1992.
WATER TEMPERATURE: May 1988 to September 1992.
DISSOLVED OXYGEN: June 1988 to September 1991.
COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1200 microsiemens, Nov. 4, 1988; minimum, 129 microsiemens, Mar. 6, 1989.
pH: Maximum, 10.1 units, Apr. 16, 17, 18, 1991; minimum, 4.5 units, Oct. 18, 1990.
WATER TEMPERATURE: Maximum, 34.0°C, July 15-17 and Aug. 2, 4, and 16, 1988; minimum, 0.0°C, Jan. 22, 23, 1991, and Dec. 19, 1991.
DISSOLVED OXYGEN: Maximum, 20.1 mg/L, June 30, 1991; minimum, 0.7 mg/L, July 3, 1991.

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
08...	1100	11	697	7.7	16.5	8.3
DEC						
16...	1200	146	494	7.6	7.5	10.4
FEB 1997						
19...	1155	45	617	8.1	9.5	10.8
MAR						
17...	1210	66	562	7.0	7.5	11.2
APR						
16...	1205	19	611	7.9	15.0	10.3
JUN						
02...	1145	164	446	7.6	17.5	7.1
JUL						
10...	1220	16	598	7.7	25.5	7.9
AUG						
20...	1220	70	405	7.3	23.5	4.6

03302030 POND CREEK AT PENDLETON ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

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

DRAINAGE AREA.--80.3 mi^2.

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

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

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
07...	0855	11	642	7.8	15.0	8.7
DEC						
11...	0910	31	615	7.6	6.5	11.7
FEB 1997						
13...	0900	55	612	7.2	2.5	12.4
MAR						
20...	0855	343	340	6.6	10.0	9.0
APR						
10...	0920	29	555	7.5	9.5	10.9
MAY						
21...	0855	40	406	7.0	18.5	5.1
JUL						
09...	0900	17	577	7.7	24.5	6.0
AUG						
14...	0915	285	289	6.9	24.5	5.2

OTTER CREEK BASIN

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

WATER-QUALITY RECORDS

LOCATION.--Lat 37°56'37", long 86°01'47", Mead County, Hydrologic Unit 05140104, 1.4 mi east of Rock Haven, and at mile 3.3.
DRAINAGE AREA.--99.2 mi^2.
PERIOD OF RECORD.--January 1993 to current year.
COOPERATION.--Field determinations were made in cooperation with Louisville and Jefferson County Metropolitan Sewer District personnel.

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

DATE	TIME	STREAM-. FLOW INSTAN-TANEOUS (FT^3/S) (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT 1996						
22...	1005	39	518	7.8	13.5	10.0
DEC						
05...	1015	124	445	8.0	9.0	11.6
FEB 1997						
26...	1155	101	442	8.2	9.0	11.5
MAR						
18...	0840	1250	314	7.1	10.5	11.3
APR						
22...	0940	85	435	7.7	12.0	10.8
MAY						
22...	1155	79	396	7.9	14.5	11.0
JUL						
21...	1150	38	490	8.0	23.0	9.8
AUG						
26...	1150	50	453	8.0	19.5	9.7

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY

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

DRAINAGE AREA.--97,000 mi^2, approximately.

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

GAGE.--Gate opening and water-stage recorders. Datum of headwater gage 0.4 mi upstream is 374.0 ft Ohio River datum. Datum of tailwater gage 0.4 mi downstream is 26.0 ft lower.

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

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	172000	95300	268000	165000	285000	322000	267000	119000	278000	81500	38300	29500
2	173000	93700	287000	162000	276000	417000	249000	127000	319000	95200	39700	27900
3	146000	77600	288000	153000	237000	543000	230000	164000	375000	107000	12600	20500
4	116000	70200	315000	141000	202000	606000	203000	199000	371000	128000	20400	25600
5	107000	77600	350000	136000	256000	657000	176000	159000	357000	119000	38600	25800
6	110000	68400	356000	142000	289000	704000	154000	149000	344000	102000	44800	20700
7	97000	54000	328000	155000	288000	728000	142000	137000	323000	64200	5070	6990
8	70000	83400	289000	160000	284000	735000	132000	125000	304000	58400	34600	16200
9	49900	101000	277000	150000	280000	726000	123000	137000	283000	38200	8890	43800
10	44300	165000	228000	141000	273000	700000	102000	141000	265000	46200	29000	13800
11	53900	218000	181000	134000	255000	652000	98400	135000	276000	44700	27900	37400
12	36800	252000	160000	118000	227000	608000	95200	142000	237000	57700	7430	36900
13	44600	269000	168000	125000	194000	562000	88300	137000	186000	33200	38700	33700
14	51100	262000	198000	104000	173000	518000	93900	126000	170000	42300	24200	31900
15	42300	227000	222000	72000	160000	468000	114000	115000	184000	46600	39900	17200
16	34700	191000	244000	77500	152000	418000	121000	109000	197000	35700	33200	32600
17	37400	170000	283000	83500	152000	364000	113000	97300	232000	32700	33100	24600
18	48600	150000	304000	79100	152000	322000	104000	95400	248000	11900	86000	15300
19	22900	133000	318000	97100	136000	352000	93700	106000	273000	19900	108000	21900
20	66700	120000	307000	79500	120000	357000	99900	101000	268000	49100	130000	29000
21	82400	124000	285000	59300	121000	342000	92000	120000	223000	14700	123000	14900
22	99300	137000	241000	95600	137000	330000	88700	136000	191000	16600	92000	50100
23	125000	136000	193000	133000	153000	321000	84600	145000	151000	24900	94700	15700
24	145000	136000	199000	135000	170000	297000	68700	146000	127000	64100	73100	18200
25	144000	150000	218000	163000	180000	263000	73600	145000	100000	26300	61200	34000
26	145000	172000	225000	217000	183000	234000	82100	141000	78600	40400	25400	14400
27	146000	193000	227000	241000	187000	210000	86200	170000	69800	39400	37300	15600
28	134000	205000	224000	275000	175000	206000	95000	191000	88200	44000	48700	31500
29	113000	215000	210000	293000	---	239000	96600	248000	94700	51300	39600	3190
30	96400	234000	195000	285000	---	268000	105000	263000	106000	78900	27600	45400
31	87200	---	177000	287000	---	272000	---	253000	---	63700	18400	---
TOTAL	2841500	4580200	7765000	4658600	5697000	137410003	671900	4578700	6719300	1677800	1441390	754280
MEAN	91660	152700	250500	150300	203500	443300	122400	147700	224000	54120	46500	25140
MAX	173000	269000	356000	293000	289000	735000	267000	263000	375000	128000	130000	50100
MIN	22900	54000	160000	59300	120000	206000	68700	95400	69800	11900	5070	3190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1997, BY WATER YEAR (WY)

MEAN	60820	97260	165200	167500	204200	243300	202400	163600	106300	66430	55000	44970
MAX	155800	222400	334000	368700	358600	443300	360400	415100	235400	105200	148200	186600
(WY)	1980	1986	1979	1991	1994	1997	1994	1996	1981	1992	1980	1979
MIN	13980	28150	54160	36500	94740	125500	72990	46020	16490	18760	13130	14920
(WY)	1992	1992	1990	1977	1992	1983	1986	1976	1988	1988	1988	1983

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1976 - 1997	
ANNUAL TOTAL	71747600		58126670			
ANNUAL MEAN	196000		159300		131100	
HIGHEST ANNUAL MEAN					188900	1979
LOWEST ANNUAL MEAN					72150	1988
HIGHEST DAILY MEAN	555000	Jan 27	735000	Mar 8	735000	Mar 8 1997
LOWEST DAILY MEAN	12000	Sep 4	3190	Sep 29	3180	Aug 28 1995
ANNUAL SEVEN-DAY MINIMUM	22300	Aug 30	18900	Sep 23	7650	Jul 12 1988
INSTANTANEOUS PEAK FLOW			736000	Mar 8	736000	Mar 8 1997
INSTANTANEOUS PEAK STAGE			52.42	Mar 8	52.42	Mar 8 1997
10 PERCENT EXCEEDS	379000		304000		286000	
50 PERCENT EXCEEDS	169000		134000		93900	
90 PERCENT EXCEEDS	52600		29000		23800	

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

(National stream-quality accounting network station)

WATER-QUALITY RECORDS

LOCATION.--Samples are collected 2.0 mi^2 upstream from discharge station.

PERIOD OF RECORD.--Water years 1975 to 1986 (discontinued) and 1996 to present.

PERIOD OF DAILY RECORD.--

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

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

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

COOPERATION.--Records of conductance and temperature collected on right bank at Cannelton Dam and furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURES: Maximum daily, 30.0°C, July 23, 24, 1977, Aug. 5, 1982, several days in July and August, 1983; 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 INSTAN-TANEOUS (FTS3/S) SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT 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)
NOV 1996											
26...	1335	185000	292	7.4	8.0	32	10.0	85	110	30	8.0
JAN 1997											
06...	1630	132000	329	7.7	6.5	23	11.6	96	130	35	10
FEB											
10...	1400	265000	350	7.6	4.5	140	12.6	98	120	35	8.7
MAR											
07...	1230	638000	183	7.4	9.0	250	9.6	84	68	20	4.4
20...	1100	359000	262	7.9	8.0	110	11.1	94	110	30	7.8
APR											
15...	1130	98800	319	7.7	12.5	10	9.0	85	120	35	9.2
29...	1500	86600	358	7.6	14.5	6.2	9.7	97	140	38	11
MAY											
13...	1200	130000	354	7.3	16.0	23	8.2	85	140	37	11
29...	1500	234000	339	7.3	18.0	62	8.6	92	120	34	9.4
JUN											
12...	1245	228000	287	7.3	18.0	95	8.8	95	120	36	7.8
20...	1100	219000	309	7.4	20.5	91	9.0	102	120	36	8.1
JUL											
23...	1130	10700	380	7.6	29.0	2.5	6.3	83	140	38	10
AUG											
21...	1200	118000	456	7.4	27.0	8.2	6.0	78	160	41	13
SEP											
24...	1200	10500	475	7.4	24.0	4.5	6.0	73	160	43	13

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											
26...	13	2.7	53	44	15	54	0.20	5.5	175	0.030	0.830
JAN 1997											
06...	12	2.4	104	85	16	50	<0.10	6.2	194	0.030	1.10
FEB											
10...	12	2.4	95	78	17	44	0.10	5.7	182	0.020	1.40
MAR											
07...	6.0	2.2	47	39	8.7	25	0.10	4.4	108	0.020	0.930
20...	7.8	2.0	72	59	11	40	0.10	5.6	167	<0.010	1.10
APR											
15...	12	1.7	95	78	15	52	0.13	5.3	190	0.020	1.04
29...	15	2.1	90	74	19	63	0.16	3.8	208	0.011	0.916
MAY											
13...	14	2.2	99	81	17	58	0.17	3.4	216	--	--
29...	15	2.1	81	67	16	64	0.16	3.0	203	0.028	0.759
JUN											
12...	7.2	2.5	97	80	8.9	33	0.14	5.9	172	<0.010	1.79
20...	7.7	2.6	104	85	10	35	0.13	5.8	185	0.043	1.80
JUL											
23...	14	2.8	112	91	18	56	0.15	3.8	229	0.042	1.41
AUG											
21...	25	3.0	103	84	28	76	0.22	1.9	266	0.070	1.10
SEP											
24...	26	3.7	103	84	34	74	0.26	0.38	267	0.134	1.17

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

(National stream-quality accounting network station)

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

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)
NOV 1996											
26...	0.060	0.20	0.40	0.130	0.010	0.014	12	<1.0	<1	33	<1.0
JAN 1997											
06...	0.030	<0.20	0.30	0.070	<0.010	0.025	9.0	<1.0	<1	33	<1.0
FEB											
10...	0.060	<0.20	1.0	0.440	0.030	0.031	6.0	<1.0	<1	24	<1.0
MAR											
07...	0.080	0.40	1.4	0.580	<0.010	0.020	12	<1.0	<1	23	<1.0
20...	0.020	<0.20	0.80	0.390	0.030	0.013	9.0	<1.0	<1	26	<1.0
APR											
15...	0.105	<0.20	0.30	0.037	0.016	0.022	10	<1.0	<1	34	<1.0
29...	<0.015	<0.20	0.22	0.042	<0.010	0.006	10	<1.0	<1	38	<1.0
MAY											
13...	--	--	--	--	--	--	7.0	<1.0	<1	33	<1.0
29...	<0.015	<0.20	0.51	0.217	0.024	0.018	8.3	<1.0	<1	35	<1.0
JUN											
12...	<0.015	<0.20	0.80	0.306	0.020	0.044	9.9	<1.0	<1	29	<1.0
20...	<0.015	<0.20	0.62	0.303	0.043	0.051	9.4	<1.0	<1	31	<1.0
JUL											
23...	0.065	0.35	0.31	0.034	0.010	0.026	6.2	<1.0	<1	45	<1.0
AUG											
21...	0.088	0.20	0.41	0.093	0.032	0.044	9.4	<1.0	1	54	<1.0
SEP											
24...	<0.020	0.26	0.32	0.044	0.025	0.026	9.5	<1.0	1	54	<1.0

DATE	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)
NOV 1996											
26...	31	<1.0	1.0	<1.0	2.0	38	<1.0	5.0	1.0	1.0	<1
JAN 1997											
06...	28	<1.0	<1.0	<1.0	1.0	17	<1.0	6.0	2.0	2.0	<1
FEB											
10...	26	<1.0	<1.0	<1.0	1.0	11	<1.0	<1.0	1.0	1.0	<1
MAR											
07...	17	<1.0	<1.0	<1.0	1.0	48	<1.0	10	<1.0	2.0	<1
20...	22	<1.0	<1.0	<1.0	<1.0	18	<1.0	1.0	1.0	<1.0	<1
APR											
15...	24	<1.0	1.3	<1.0	<1.0	10	<1.0	6.3	1.4	1.3	<1
29...	39	<1.0	<1.0	<1.0	<1.0	5.9	<1.0	2.2	1.8	1.3	<1
MAY											
13...	35	<1.0	2.0	<1.0	1.4	6.0	<1.0	1.9	1.9	<1.0	<1
29...	35	<1.0	1.6	<1.0	1.2	5.2	<1.0	7.5	1.9	2.1	<1
JUN											
12...	30	<1.0	1.3	<1.0	1.5	12	<1.0	<1.0	1.5	1.6	<1
20...	24	<1.0	<1.0	<1.0	2.7	10	<1.0	<1.0	1.5	1.5	<1
JUL											
23...	49	<1.0	1.9	<1.0	4.3	<3.0	<1.0	3.0	3.3	1.6	<1
AUG											
21...	62	<1.0	<1.0	<1.0	2.0	3.5	<1.0	2.5	5.1	2.3	<1
SEP											
24...	80	<1.0	1.2	<1.0	2.0	<3.0	<1.0	5.6	6.0	2.2	<1

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

(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											
26...	<1.0	170	<6	2.0	<1.0	2.8	0.80	<0.002	E0.004	0.081	<0.002
JAN 1997											
06...	<1.0	220	<6	2.0	<1.0	2.3	0.50	0.005	0.009	0.109	<0.002
FEB											
10...	<1.0	170	<6	2.0	<1.0	3.7	4.4	0.005	0.006	0.086	<0.002
MAR											
07...	<1.0	85	<6	1.0	<1.0	4.2	>5.0	E0.003	<0.002	0.025	<0.002
20...	<1.0	150	<6	<1.0	<1.0	2.8	>5.0	<0.002	<0.002	0.048	<0.002
APR											
15...	<1.0	195	<6	1.6	<1.0	2.3	0.80	<0.002	<0.002	0.028	<0.002
29...	<1.0	228	<6	1.6	<1.0	5.3	0.50	--	--	--	--
MAY											
13...	<1.0	210	<6	4.1	<1.0	--	--	0.076	0.227	1.44	<0.002
29...	<1.0	205	<6	1.4	<1.0	3.5	2.6	0.042	0.132	0.957	<0.002
JUN											
12...	<1.0	172	<6	1.5	<1.0	<0.10	2.7	0.076	0.339	2.37	<0.002
20...	<1.0	173	<6	3.2	<1.0	--	2.9	0.048	0.276	2.25	<0.002
JUL											
23...	<1.0	221	<6	2.1	<1.0	4.4	0.60	0.037	0.073	1.22	<0.002
AUG											
21...	<1.0	289	<6	4.2	<1.0	3.0	0.40	0.008	0.011	0.404	<0.002
SEP											
24...	<1.0	290	<6	2.4	<1.0	3.2	0.40	0.007	0.019	0.429	<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 SENCOR WATER DISSOLV (UG/L) (82630)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)
NOV 1996											
26...	<0.002	<0.004	0.020	E0.019	<0.002	<0.001	<0.003	<0.004	<0.005	0.069	0.021
JAN 1997											
06...	<0.002	<0.004	0.032	E0.035	<0.002	<0.001	<0.003	<0.004	<0.005	0.052	0.048
FEB											
10...	<0.002	<0.004	0.019	E0.010	<0.002	<0.001	<0.003	<0.004	<0.005	0.010	0.060
MAR											
07...	<0.002	0.007	<0.004	E0.004	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.015
20...	<0.002	<0.004	0.015	E0.018	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.037
APR											
15...	<0.002	<0.004	<0.004	E0.012	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.015
29...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	<0.002	<0.004	0.692	E0.056	<0.002	<0.001	<0.003	<0.004	<0.005	0.070	0.745
29...	<0.002	<0.010	0.209	E0.024	E0.003	<0.001	<0.003	<0.004	<0.005	0.015	0.350
JUN											
12...	<0.002	<0.004	0.442	E0.112	0.008	<0.001	<0.003	<0.004	<0.005	0.057	1.51
20...	<0.002	0.011	0.472	E0.122	0.008	<0.001	<0.003	<0.004	<0.005	0.045	1.23
JUL											
23...	<0.002	<0.004	0.218	E0.104	<0.002	<0.001	<0.003	<0.004	<0.005	<0.004	0.594
AUG											
21...	<0.002	<0.004	0.067	E0.060	<0.002	<0.001	<0.003	<0.004	<0.005	<0.022	0.139
SEP											
24...	<0.002	<0.004	0.045	E0.033	0.009	<0.001	<0.003	<0.004	<0.005	<0.004	0.175

OHIO RIVER MAIN STEM

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

(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											
26...	<0.006	<0.004	<0.007	<0.018	0.012	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
JAN 1997											
06...	<0.006	<0.004	<0.007	<0.018	0.014	<0.002	E0.006	<0.003	<0.002	<0.003	<0.017
FEB											
10...	<0.006	<0.004	<0.007	<0.018	0.011	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
MAR											
07...	E0.004	<0.004	<0.007	<0.018	0.007	<0.002	E0.010	<0.003	<0.002	<0.003	<0.017
20...	E0.001	<0.004	<0.007	<0.018	0.011	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
APR											
15...	<0.006	<0.004	<0.007	<0.018	0.007	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
29...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	<0.006	<0.004	<0.007	<0.018	0.157	<0.002	<0.003	<0.003	E0.002	<0.003	<0.017
29...	<0.006	<0.004	<0.007	E0.009	0.224	<0.002	<0.003	E0.011	<0.002	<0.003	<0.017
JUN											
12...	E0.002	<0.004	<0.007	E0.014	0.330	<0.002	E0.003	<0.003	E0.001	<0.003	<0.017
20...	<0.006	<0.004	<0.007	E0.016	0.306	<0.002	E0.010	E0.006	<0.002	<0.003	<0.017
JUL											
23...	<0.006	<0.004	<0.007	0.038	0.208	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
AUG											
21...	<0.006	<0.004	<0.007	E0.013	0.064	<0.002	<0.003	<0.003	<0.002	<0.003	<0.017
SEP											
24...	<0.006	<0.004	<0.007	0.034	0.061	<0.002	<0.003	<0.003	E0.000	<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											
26...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JAN 1997											
06...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
FEB											
10...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
MAR											
07...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
20...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
APR											
15...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
29...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	<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
JUN											
12...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
20...	0.008	<0.003	<0.002	<0.050	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
JUL											
23...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
AUG											
21...	<0.004	<0.003	<0.002	<0.001	<0.006	<0.004	<0.003	<0.004	<0.005	<0.002	<0.003
SEP											
24...	<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

03303280 OHIO RIVER AT CANNELTON DAM, KY--Continued

(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											
26...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	76	38000	97
JAN 1997											
06...	<0.004	<0.013	E0.003	<0.007	<0.013	<0.001	<0.002	<0.002	43	15300	99
FEB											
10...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	239	171000	94
MAR											
07...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	E0.001	<0.002	497	856000	90
20...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	253	245000	93
APR											
15...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	8	2130	76
29...	--	--	--	--	--	--	--	--	2	468	94
MAY											
13...	<0.004	<0.013	E0.008	<0.007	<0.013	<0.001	<0.002	<0.002	46	16100	96
29...	<0.004	<0.013	0.011	<0.007	<0.013	<0.001	<0.002	<0.002	174	110000	94
JUN											
12...	<0.004	<0.013	E0.008	<0.007	<0.013	<0.001	<0.002	<0.002	267	164000	97
20...	<0.004	<0.013	E0.007	<0.007	<0.013	<0.001	<0.002	<0.002	--	--	--
JUL											
23...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	<0.002	<0.002	125	3610	98
AUG											
21...	<0.004	<0.013	<0.013	<0.007	<0.013	<0.001	<0.002	<0.002	34	10800	99
SEP											
24...	<0.004	<0.013	<0.010	<0.007	<0.013	<0.001	0.005	<0.002	7	198	83

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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JAN 1997												
06...	1638	Q[1]	--	<0.002	<0.001	<0.025	--	--	--	--	--	--
FEB												
10...	1410	R[2]	120	35	8.6	12	2.4	88	72	17	45	0.10
APR												
29...	1508	Q[1]	--	--	--	--	--	--	--	--	--	--
MAY												
29...	1510	R[2]	120	33	9.4	15	2.1	81	66	16	64	0.18
JUN												
12...	1253	Q[1]	--	0.004	<0.001	<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. (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												
06...	<0.02	0.001	<0.005	<0.002	--	--	--	--	<0.001	<0.30	<0.20	--
FEB												
10...	5.7	0.030	1.40	0.050	<0.20	1.0	0.370	0.040	0.030	18	<1.0	<1
APR												
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
29...	2.9	0.028	0.765	<0.015	<0.20	0.56	0.213	0.037	0.022	7.5	<1.0	<1
JUN												
12...	<0.02	<0.001	0.005	<0.002	--	--	--	--	<0.001	0.37	<0.20	--

1. Artificial quality-assurance sample

2. Surface-water quality-assurance sample