



Water Resources Data Kentucky Water Year 1994



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT KY-94-1
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GOOSE CREEK BASIN

03292480 LITTLE GOOSE CREEK NEAR HARRODS CREEK, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°18'45", long 85°37'33", Jefferson County, Hydrologic Unit 05140101, at culvert on U.S. Highway 42 and at mile 1.8.

DRAINAGE AREA.--5.8 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
04...	1130	4.0	694	8.3	12.0	10.3
NOV						
01...	1055	4.2	624	8.1	6.5	11.7
DEC						
01...	1010	3.9	625	8.4	4.0	12.9
JAN						
05...	1025	5.2	981	8.1	3.0	13.2
FEB						
02...	0934	27	525	8.0	3.5	13.3
MAR						
02...	1025	7.6	536	8.2	5.0	12.6
APR						
04...	0930	11	354	8.1	6.5	14.4
MAY						
02...	1000	17	451	8.5	10.5	10.9
JUN						
06...	1015	1.5	573	8.2	20.0	8.0
JUL						
06...	1135	1.8	612	8.3	25.0	7.3
AUG						
01...	1045	0.56	615	8.4	22.0	7.7
SEP						
12...	1010	1.2	619	7.5	19.5	8.0

BEARGRASS CREEK BASIN

03292500 SOUTH FORK BEARGRASS CREEK AT LOUISVILLE, KY

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

DRAINAGE AREA.--17.2 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1705: Drainage area.

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

REMARKS.--Estimated daily discharges: Dec. 24-30, Jan. 17-22, and Apr. 6-8. Water-discharge records good except for estimated daily discharges, which are fair.

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

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	2.0	7.3	8.2	9.3	34	16	22	72	2.2	1.5	1.7	1.8
2	5.6	5.1	9.9	19	28	12	20	35	2.6	1.3	1.8	2.1
3	3.2	6.5	54	15	25	11	38	29	2.8	1.4	1.7	2.5
4	2.3	5.4	104	15	21	11	20	24	2.6	1.2	2.1	2.4
5	2.1	5.8	57	12	20	9.4	17	20	2.5	1.2	37	36
6	1.7	4.6	31	14	17	8.3	25	20	2.1	42	2.7	7.6
7	1.7	3.8	22	46	11	7.9	20	83	2.2	7.9	1.0	2.6
8	1.6	3.6	19	19	74	16	14	30	6.9	3.3	1.0	1.9
9	6.7	3.7	18	16	71	63	12	22	2.3	2.7	1.2	1.7
10	3.2	3.5	19	14	31	63	38	17	2.0	2.1	1.6	1.8
11	2.3	3.5	15	13	26	47	31	15	1.7	1.9	1.4	1.8
12	2.5	3.5	13	17	23	38	22	12	1.8	1.6	2.3	1.9
13	2.4	50	12	13	19	32	19	8.2	2.0	2.3	2.8	2.1
14	3.4	103	23	11	15	26	16	28	2.5	1.5	3.9	2.4
15	3.5	43	22	8.4	14	22	38	26	2.5	1.3	4.5	2.8
16	22	27	14	7.0	13	17	18	12	1.2	1.4	4.4	2.6
17	59	161	12	6.1	12	14	15	7.6	1.2	1.2	1.3	60
18	10	37	12	5.4	11	15	14	6.3	1.1	1.5	1.2	4.4
19	44	27	10	4.7	10	12	14	5.2	1.1	1.5	1.6	2.2
20	185	21	9.8	4.5	23	13	13	4.8	1.3	1.9	2.2	2.9
21	38	18	11	4.3	15	22	11	4.3	16	40	4.2	4.0
22	23	16	8.9	3.9	114	12	9.6	3.9	7.2	3.4	1.6	4.4
23	18	14	7.8	12	137	10	9.2	3.9	2.2	1.3	1.2	11
24	15	13	6.9	47	45	16	9.2	3.6	8.4	1.2	1.3	15
25	12	11	6.2	150	32	9.2	9.2	3.7	6.0	1.3	1.3	4.0
26	6.7	19	5.9	120	25	11	10	6.8	9.8	1.5	1.3	2.8
27	5.4	28	5.5	201	21	148	43	3.6	14	1.8	1.2	2.8
28	4.8	13	5.2	251	21	88	34	2.2	2.6	1.7	1.7	2.0
29	4.8	11	4.9	91	---	41	66	2.0	1.7	1.7	36	2.2
30	15	8.8	4.7	58	---	32	176	1.8	1.5	2.0	3.9	1.8
31	11	---	7.8	43	---	28	---	2.1	---	1.6	1.8	---
TOTAL	517.9	677.1	559.7	1250.6	908	870.8	803.2	515.0	114.0	138.2	132.9	193.5
MEAN	16.7	22.6	18.1	40.3	32.4	28.1	26.8	16.6	3.80	4.46	4.29	6.45
MAX	185	161	104	251	137	148	176	83	16	42	37	60
MIN	1.6	3.5	4.7	3.9	10	7.9	9.2	1.8	1.1	1.2	1.0	1.7
CFSM	.97	1.31	1.05	2.35	1.89	1.63	1.56	.97	.22	.26	.25	.37
IN.	1.12	1.46	1.21	2.70	1.96	1.88	1.74	1.11	.25	.30	.29	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1994, BY WATER YEAR (WY)												
MEAN	7.01	13.8	22.9	31.1	41.3	42.2	32.9	25.8	17.6	15.6	9.81	7.18
MAX	46.7	53.9	73.6	125	107	126	95.2	103	78.3	126	54.7	86.3
(WY)	1978	1974	1979	1950	1989	1945	1948	1961	1950	1973	1974	1979
MIN	.30	.84	1.32	.71	8.52	6.41	3.13	5.51	1.11	.89	.23	.000
(WY)	1953	1953	1977	1940	1953	1983	1976	1962	1959	1956	1952	1953

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1940 - 1994	
ANNUAL TOTAL	9253.8		6680.9			
ANNUAL MEAN	25.4		18.3		22.4	
HIGHEST ANNUAL MEAN					41.0	
LOWEST ANNUAL MEAN					9.35	
HIGHEST DAILY MEAN	322	Feb 21	251	Jan 28	1760	Jul 22 1973
LOWEST DAILY MEAN	1.6	Oct 8	1.0	Aug 7	.00	Sep 4 1940
ANNUAL SEVEN-DAY MINIMUM	2.6	Oct 2	1.4	Aug 22	.00	Sep 4 1940
INSTANTANEOUS PEAK FLOW			683		4940	Mar 9 1964
INSTANTANEOUS PEAK STAGE			8.49		17.17	Mar 9 1964
ANNUAL RUNOFF (CFSM)	1.47		1.06		1.30	
ANNUAL RUNOFF (INCHES)	20.01		14.45		17.68	
10 PERCENT EXCEEDS	59		41		48	
50 PERCENT EXCEEDS	12		9.2		7.2	
90 PERCENT EXCEEDS	3.8		1.6		.80	

BEARGRASS CREEK BASIN

03292500 SOUTH FORK BEARGRASS CREEK AT 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: May 1988 to September 1992.

REMARKS.--Water-quality samples collected monthly.

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, 1010 microsiemens, Dec. 28-29, 1989; minimum, 122 microsiemens, May 16, 1990.

pH: Maximum, 9.5 units, Aug. 10, 1988; minimum, 4.9 units, Mar. 6-7, 1991.

WATER TEMPERATURE: Maximum, 33.6°C, Aug. 17, 1988; minimum, 0.0°C, Dec. 21, 29, 30, 1989.

DISSOLVED OXYGEN: Maximum, 16.2 mg/L, Mar. 1, 1989; minimum, 2.1 mg/L, Aug. 9, 1991.

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
12...	1045	1.9	560	7.5	15.0	8.7
NOV						
09...	1025	4.3	602	7.6	8.0	12.4
DEC						
15...	1110	26	458	7.3	8.5	9.5
JAN						
11...	1020	14	450	7.6	4.5	11.1
FEB						
03...	1015	25	547	7.6	3.5	11.9
MAR						
08...	1030	16	587	7.4	8.0	9.5
APR						
13...	1050	20	562	7.8	14.0	8.3
MAY						
10...	1100	16	582	7.7	16.5	8.3
JUN						
14...	1040	2.7	460	7.8	25.5	6.3
JUL						
12...	1155	1.9	508	7.9	26.0	6.5
AUG						
10...	1040	1.8	494	7.7	23.0	6.5
SEP						
08...	1020	1.8	421	6.4	21.0	6.6

BEARGRASS CREEK BASIN

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

WATER-QUALITY RECORDS

LOCATION.--Lat 38°14'04", long 85°45'50", Jefferson County, Hydrologic Unit 05140101, at bridge on Winter Avenue, 1.4 mi above Middle Fork Beargrass Creek, and at mile 3.3.

DRAINAGE AREA.--22.6 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
12...	0920	3.5	586	7.3	12.5	6.6
NOV						
09...	0900	4.7	644	7.5	6.5	11.7
DEC						
15...	0910	36	466	7.5	8.5	9.8
JAN						
11...	0920	13	670	7.7	4.0	12.4
FEB						
03...	0905	34	599	7.5	4.0	10.6
MAR						
08...	0910	25	581	7.7	8.5	10.1
APR						
13...	0935	21	604	8.1	14.0	10.5
MAY						
10...	0945	22	568	7.8	18.0	7.7
JUN						
14...	0930	3.1	540	7.7	24.0	7.1
JUL						
12...	1110	3.0	572	7.7	23.5	7.8
AUG						
10...	0915	2.4	515	7.5	20.5	6.5
SEP						
08...	0925	2.5	455	6.6	19.0	6.0

BEARGRASS CREEK BASIN

03293000 MIDDLE FORK BEARGRASS CREEK AT LOUISVILLE, KY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1988 to September 1992.

pH: April 1988 to September 1992.

WATER TEMPERATURE: April 1988 to September 1992.

DISSOLVED OXYGEN: April 1988 to September 1992.

REMARKS.--Water-quality samples collected monthly.

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, 1050 microsiemens, Dec. 19, 1991; minimum, 74 microsiemens, July 19, 1989.

pH: Maximum, 9.7 units, Apr. 19, 1989; minimum, 5.6 units, July 19, 1989.

WATER TEMPERATURE: Maximum, 35.4°C, August 16, 1988; minimum, 1.8°C, Dec. 10-13, 1988.

DISSOLVED OXYGEN: Maximum, 25.1 mg/L, Apr. 28, 1992; minimum, 0.4 mg/L, Oct. 26, 1991.

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

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
13...	1100	1.3	665	7.7	12.5	8.7
NOV						
10...	1000	3.3	677	7.8	6.5	11.1
DEC						
14...	1030	30	519	7.8	9.0	10.1
JAN						
13...	1010	14	726	7.7	7.5	9.9
FEB						
08...	1025	41	442	7.9	6.5	11.0
MAR						
15...	1110	28	592	8.1	12.0	13.3
APR						
14...	1055	21	577	8.0	16.0	11.4
MAY						
11...	1050	17	566	7.9	16.0	10.9
JUN						
13...	1125	2.6	606	8.1	25.0	8.6
JUL						
14...	1050	3.5	599	7.9	25.0	6.7
AUG						
11...	1015	0.52	598	7.6	23.0	4.6
SEP						
14...	1030	1.0	636	7.0	22.5	4.8

BEARGRASS CREEK BASIN

03293200 MIDDLE FORK BEARGRASS CREEK AT BEALS BRANCH ROAD AT LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°14'32", long 85°41'57", Jefferson County, Hydrologic Unit 05140101, at bridge on Beals Branch Road and at mile 1.9.

DRAINAGE AREA.--22.7 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
13...	0920	1.5	522	7.5	11.5	6.4
NOV						
10...	0905	3.4	649	7.9	5.5	11.3
DEC						
14...	0935	20	527	7.7	8.0	9.9
JAN						
13...	0910	11	706	7.7	7.0	10.0
FEB						
08...	0915	12	633	7.8	5.5	10.7
MAR						
15...	0925	35	580	7.9	11.0	8.1
APR						
14...	0930	28	594	8.0	12.5	9.4
MAY						
11...	0920	24	540	8.0	14.0	8.9
JUN						
13...	1020	2.8	556	7.9	24.0	4.0
JUL						
14...	0915	2.5	468	7.8	24.5	3.2
AUG						
11...	0905	0.54	512	7.5	21.5	2.8
SEP						
14...	0950	1.7	618	6.7	21.0	3.8

BEARGRASS CREEK BASIN

03293530 MUDDY FORK AT MOCKINGBIRD VALLEY ROAD AT LOUISVILLE, KY

WATER-QUALITY RECORDS

LOCATION.--Lat 38°16'35", long 85°41'37", Jefferson County, Hydrologic Unit 05140101, at culvert on Mockingbird Valley Road and at mile 1.5.

DRAINAGE AREA.--6.2 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
20...	0915	91	234	7.3	18.0	7.6
NOV						
08...	0920	0.97	761	7.9	3.5	10.9
DEC						
06...	0925	12	683	7.7	10.0	9.9
JAN						
12...	0855	4.5	515	7.8	5.5	11.4
MAR						
09...	0905	5.3	638	7.4	2.0	11.9
APR						
06...	0905	8.0	490	7.6	10.5	8.9
MAY						
04...	0855	8.9	665	8.3	11.5	9.5
JUN						
02...	0950	1.3	653	7.8	17.0	7.9
JUL						
25...	0900	0.62	629	8.2	23.5	6.7
AUG						
03...	0905	0.46	666	8.2	22.0	6.8
SEP						
19...	0925	2.0	621	6.9	16.5	8.0

MILL CREEK BASIN

03294550 MILL CREEK CUTOFF NEAR LOUISVILLE, KY

LOCATION.--Lat 38°10'39", long 85°52'01", Jefferson County, Hydrologic Unit 05140102, on left bank at bridge on Highway 1230, 0.8 mi downstream from confluence with Big Run Creek, 1.5 mi upstream from Ohio River, and at mile 616.3.

DRAINAGE AREA.--24.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1988 to September 1994 (discontinued).

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

REMARKS.--Estimated daily discharges: Nov. 4, Dec. 25-30, Jan. 16-22, 24 to Feb. 5, 10-17, 21 to Mar. 2, 12-18, 30 to Apr. 6, 13-22, June 16-18, July 28, Sept. 7-17, and 21-23. Water-discharge 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	.79	2.2	1.0	3.7	16	30	6.0	44	.94	.86	1.3	.86
2	1.3	1.2	1.6	17	9.0	25	4.6	7.5	1.1	.85	1.4	.82
3	1.2	1.6	55	9.3	6.0	1.9	6.0	3.9	1.1	1.2	1.4	.79
4	.93	2.1	112	6.0	4.0	1.8	6.4	2.9	.97	.87	1.7	.84
5	.74	1.6	30	3.8	2.7	1.6	5.2	2.2	1.0	.88	7.8	7.0
6	.68	.98	6.1	3.4	2.1	1.5	6.8	2.2	.82	.87	1.6	5.1
7	.59	.94	3.2	36	1.8	1.5	4.8	63	17	1.0	1.4	2.0
8	.59	.95	2.2	4.5	56	4.4	2.7	13	8.9	25	1.4	1.7
9	6.2	.93	1.9	2.2	54	36	2.5	3.9	7.6	13	1.3	.98
10	2.9	1.0	5.3	1.6	30	57	28	2.3	4.3	2.8	1.1	1.5
11	.97	1.0	2.6	1.7	20	50	25	1.7	3.2	1.3	1.1	.80
12	.77	.94	1.7	7.2	14	45	11	1.5	3.0	1.2	1.2	.62
13	1.2	30	1.6	4.5	12	35	6.0	1.1	2.9	1.6	1.1	.58
14	.83	110	4.5	2.8	9.0	25	4.3	23	2.4	3.6	1.3	.52
15	.76	26	7.8	1.2	7.0	13	30	34	2.3	1.8	1.5	.51
16	14	5.0	3.3	1.0	5.0	10	10	8.1	2.2	1.4	.97	.51
17	61	141	2.0	.92	3.5	6.6	6.2	2.0	5.6	1.4	1.1	24
18	5.1	8.4	1.6	.88	2.1	4.0	5.0	1.4	2.6	1.6	.93	4.3
19	51	3.6	1.6	.82	2.2	2.5	3.8	1.1	2.3	1.8	.88	1.5
20	168	2.4	1.6	.80	10	2.5	3.0	1.0	2.8	1.9	.98	1.1
21	8.9	1.7	2.0	.78	25	14	2.4	1.0	9.2	93	3.2	1.0
22	2.5	1.3	1.7	.72	88	4.1	1.8	1.0	6.7	9.4	1.2	.68
23	1.3	1.4	1.3	5.5	60	2.8	1.3	1.1	3.2	2.2	1.1	19
24	1.1	1.1	1.2	30	35	2.6	1.3	1.0	7.6	1.3	1.2	34
25	.97	1.1	1.2	70	18	2.1	1.2	1.0	4.0	2.1	1.2	3.4
26	.97	3.0	1.1	50	90	2.1	1.1	6.6	12	2.4	1.3	1.9
27	.91	11	1.1	90	60	194	13	1.3	16	1.3	1.2	2.3
28	.77	2.4	1.0	143	40	62	31	1.0	1.5	1.2	1.3	1.3
29	.81	1.5	.98	95	---	11	67	.97	1.1	1.5	13	.98
30	4.0	1.2	.94	50	---	10	241	1.0	.89	1.9	1.8	.90
31	3.9	---	1.4	30	---	7.8	---	.99	---	1.4	.92	---
TOTAL	345.68	367.54	260.52	674.32	682.4	666.8	538.4	236.76	135.22	182.63	58.88	121.49
MEAN	11.2	12.3	8.40	21.8	24.4	21.5	17.9	7.64	4.51	5.89	1.90	4.05
MAX	168	141	112	143	90	194	241	63	17	93	13	34
MIN	.59	.93	.94	.72	1.8	1.5	1.1	.97	.82	.85	.88	.51
CFSM	.46	.50	.34	.89	1.00	.88	.74	.31	.18	.24	.08	.17
IN.	.53	.56	.40	1.03	1.04	1.02	.82	.36	.21	.28	.09	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1994, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994
MEAN	4.69	9.65	19.3	25.6	41.0	32.3	14.2
MAX	11.2	18.4	73.0	72.3	87.0	68.5	25.0
(WY)	1994	1993	1991	1989	1991	1989	1990
MIN	.18	3.25	1.35	6.60	3.97	7.11	4.89
(WY)	1989	1992	1990	1992	1992	1990	1992

SUMMARY STATISTICS

	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1988 - 1994	
ANNUAL TOTAL	5354.55		4270.64			
ANNUAL MEAN	14.7		11.7		17.1	
HIGHEST ANNUAL MEAN					25.5	
LOWEST ANNUAL MEAN					11.6	
HIGHEST DAILY MEAN	402		241		1070	
LOWEST DAILY MEAN	.38		.51		.00	
ANNUAL SEVEN-DAY MINIMUM	.54		.72		.00	
INSTANTANEOUS PEAK STAGE					15.83	
ANNUAL RUNOFF (CFSM)	.60		.48		.70	
ANNUAL RUNOFF (INCHES)	8.16		6.51		9.53	
10 PERCENT EXCEEDS	40		32		30	
50 PERCENT EXCEEDS	1.9		2.2		1.6	
90 PERCENT EXCEEDS	.77		.92		.22	

MILL CREEK BASIN

03294550 MILL CREEK CUTOFF NEAR LOUISVILLE, KY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1988 to September 1994 (discontinued).

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: May 1988 to September 1992.

REMARKS.--Water-quality samples collected monthly.

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, 1,062 microsiemens, June 23, 1988; minimum, 76 microsiemens, Aug. 8, 1992.

pH: Maximum, 11.3 units, July 28, 29, 1989; minimum, 4.8 units, Sept. 12, 1988.

WATER TEMPERATURE: Maximum, 34.4°C, Sept. 21, 1989; minimum, 0.6°C, Dec. 28, 1990, Jan. 15, 16, 1992.

DISSOLVED OXYGEN: Maximum, 24.5 mg/L, Aug. 16, 1989; minimum, 0.3 mg/L, July 5, 23, 1991.

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
05...	1020	0.80	660	8.4	16.0	11.2
NOV						
02...	1115	1.0	530	8.0	7.0	12.9
DEC						
02...	1030	1.0	616	7.8	5.0	12.5
JAN						
04...	1100	5.1	485	7.5	2.0	13.0
FEB						
07...	1110	1.7	482	7.6	3.5	11.6
MAR						
03...	1035	1.8	590	7.6	4.0	11.9
APR						
07...	1010	5.0	344	6.9	7.5	10.3
MAY						
12...	1030	1.8	546	8.3	21.0	10.0
JUN						
07...	1050	1.8	610	8.6	25.5	7.8
JUL						
07...	0945	0.90	587	8.5	26.0	7.9
AUG						
04...	1015	1.1	627	8.7	26.5	10.7
SEP						
01...	1045	0.87	503	7.1	20.5	6.0

MILL CREEK BASIN

03294570 MILL CREEK AT ORELL ROAD NEAR LOUISVILLE, KY

WATER-QUALITY RECORDS

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

DRAINAGE AREA.-- 13.5 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
05...	0910	0.18	302	7.2	14.0	6.8
NOV						
02...	0915	0.96	357	7.1	4.5	10.2
DEC						
02...	0910	0.30	377	7.7	5.0	12.0
JAN						
04...	0925	5.6	464	6.9	1.5	12.4
FEB						
07...	0940	1.4	283	6.7	2.0	12.5
MAR						
03...	0915	2.5	415	7.3	3.0	12.4
APR						
07...	0910	3.0	300	7.0	7.5	9.4
JUN						
07...	0910	9.5	754	8.0	21.5	7.4
JUL						
07...	0830	2.5	793	8.1	23.0	6.9
AUG						
04...	0910	3.0	727	8.3	25.0	6.0
SEP						
01...	0910	4.0	581	7.5	20.0	4.0

SALT RIVER BASIN

03295400 SALT RIVER AT GLENSBORO, KY

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

DRAINAGE AREA.--172 mi².

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

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

REMARKS.--Estimated daily discharges: Nov. 6, Dec. 21-26, 28 to Jan. 2, 5 to Feb. 3, Mar. 8, 9, and Sept. 17-30. Records poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	12	111	52	300	158	465	242	20	16	60	16
2	2.2	11	87	48	210	197	314	311	16	10	30	13
3	2.4	9.6	83	342	160	745	241	166	14	7.6	18	12
4	4.3	8.7	925	471	130	547	223	149	12	5.5	13	9.5
5	4.4	9.1	1620	380	113	421	184	129	10	4.3	28	9.4
6	3.9	9.5	716	900	101	284	323	111	8.9	3.7	188	10
7	3.6	9.8	425	2000	85	227	659	2320	8.8	3.8	329	12
8	3.2	8.5	264	700	184	520	419	1160	9.7	4.0	132	10
9	3.1	7.8	187	360	1480	1600	257	510	13	2.5	67	8.9
10	3.7	7.2	378	250	1030	6490	491	338	14	2.0	42	7.7
11	4.1	6.5	653	170	685	2410	1050	237	86	2.1	30	6.8
12	3.8	6.3	364	240	1420	861	965	208	60	23	26	6.5
13	4.1	1070	235	400	1390	619	589	165	31	12	21	6.0
14	4.0	943	195	300	787	549	383	129	20	11	14	6.5
15	8.5	1470	245	250	524	443	812	328	13	9.8	10	7.0
16	9.5	540	312	230	380	314	1890	444	10	6.9	8.9	3.3
17	9.2	2930	246	225	259	237	709	359	9.3	53	8.0	2.0
18	14	1100	198	200	207	212	422	210	12	46	6.9	2.5
19	17	459	166	190	168	187	267	151	116	22	5.6	2.2
20	802	229	140	180	144	166	178	116	39	14	6.3	1.8
21	476	146	125	165	154	160	136	90	20	9.4	31	1.6
22	211	107	112	160	516	165	114	73	13	8.6	664	1.4
23	128	79	105	210	3500	154	97	62	8.8	5.9	348	1.4
24	77	64	100	300	1270	138	81	53	7.1	5.5	178	1.9
25	50	52	91	2400	531	104	72	44	5.9	27	98	2.0
26	33	46	84	1990	348	86	63	141	7.2	20	66	2.0
27	20	437	78	2200	229	1960	178	141	11	17	46	2.1
28	15	579	70	3000	180	2750	149	71	18	12	36	3.2
29	11	271	64	1500	---	1020	288	51	64	16	50	3.4
30	12	155	60	680	---	520	263	38	29	25	47	3.0
31	12	---	54	430	---	463	---	29	---	158	30	---
TOTAL	1953.8	10783.0	8493	20923	16485	24707	12282	8576	706.7	563.6	2637.7	175.1
MEAN	63.0	359	274	675	589	797	409	277	23.6	18.2	85.1	5.84
MAX	802	2930	1620	3000	3500	6490	1890	2320	116	158	664	16
MIN	1.8	6.3	54	48	85	86	63	29	5.9	2.0	5.6	1.4
CFSM	.37	2.09	1.59	3.92	3.42	4.63	2.38	1.61	.14	.11	.49	.03
IN.	.42	2.33	1.84	4.53	3.57	5.34	2.66	1.85	.15	.12	.57	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1994, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994
MEAN	97.6	172	484	494	510	211
MAX	262	359	1360	675	642	797
(WY)	1991	1994	1991	1994	1991	1994
MIN	10.9	11.4	123	344	169	99.9
(WY)	1993	1992	1990	1993	1992	1990

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1989 - 1994

ANNUAL TOTAL	79208.28	108285.9	
ANNUAL MEAN	217	297	249
HIGHEST ANNUAL MEAN			335
LOWEST ANNUAL MEAN			181
HIGHEST DAILY MEAN	5830	Feb 21	9220
LOWEST DAILY MEAN	.86	Jul 31	.86
ANNUAL SEVEN-DAY MINIMUM	1.6	Jul 27	1.6
INSTANTANEOUS PEAK FLOW			8050
INSTANTANEOUS PEAK STAGE			Mar 9
ANNUAL RUNOFF (CFSM)	1.26	9.50	Mar 9
ANNUAL RUNOFF (INCHES)	17.13	1.72	10.75
10 PERCENT EXCEEDS	512	728	521
50 PERCENT EXCEEDS	78	98	80
90 PERCENT EXCEEDS	3.8	5.1	7.8

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 mi².

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: Dec. 25 to Jan. 1, 4, 5, 8-10, and 13 to Feb. 3. Records good except those for estimated daily discharges, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	94	156	163	334	275	518	2920	31	6.1	4.2	2.0
2	9.0	101	146	157	280	244	411	1320	26	5.6	3.3	1.9
3	9.1	101	148	252	242	226	363	739	21	4.5	2.8	2.2
4	9.4	101	827	446	334	192	450	543	18	3.6	2.4	3.5
5	8.9	99	1910	399	296	192	376	406	15	3.2	3.8	3.1
6	4.4	97	1080	350	254	142	455	313	13	2.8	15	3.1
7	2.7	96	677	2020	215	129	926	967	12	2.7	46	2.7
8	5.0	91	486	1480	219	143	684	1020	18	2.3	22	2.3
9	6.7	86	377	668	1790	650	545	697	23	2.7	12	7.4
10	8.8	81	334	493	1360	1950	559	471	51	1.7	7.1	6.4
11	9.1	80	313	428	880	1890	1450	327	33	1.6	4.8	4.8
12	10	148	253	358	685	1730	1420	261	24	1.4	4.1	3.9
13	11	192	225	316	831	1230	1450	221	19	3.3	3.3	3.5
14	12	722	232	447	682	938	994	171	15	5.8	3.5	2.8
15	14	1850	364	375	558	681	841	419	12	4.7	3.2	2.2
16	15	893	384	333	441	474	1290	751	9.6	5.2	3.8	1.5
17	19	2190	347	313	359	349	827	361	8.4	10	3.1	.62
18	22	1590	315	283	307	311	569	249	7.8	9.9	2.9	.69
19	37	900	286	265	268	263	431	189	6.2	7.1	3.3	1.2
20	919	609	253	251	251	209	326	152	5.5	5.4	2.8	1.3
21	236	435	241	242	307	199	257	128	9.3	4.4	3.8	1.1
22	157	334	230	295	458	200	216	107	8.5	4.4	2.8	.78
23	126	274	200	367	3320	179	182	92	7.4	3.7	2.7	.54
24	108	237	183	488	1600	160	159	76	7.9	3.2	3.6	.63
25	97	206	182	1730	933	209	141	70	5.5	3.4	6.4	.67
26	89	157	163	2180	579	182	130	63	4.9	2.9	5.5	.66
27	81	165	157	2640	398	2000	318	61	9.4	3.9	4.0	.99
28	81	265	152	3090	325	2770	541	56	9.7	4.8	2.8	.56
29	80	224	166	1630	---	1650	1250	46	7.9	3.6	4.1	.29
30	81	180	236	614	---	995	3210	39	6.0	8.0	2.7	.17
31	86	---	199	433	---	692	---	33	---	5.6	2.2	---
TOTAL	2363.2	12598	11222	23506	18506	21424	21289	13268	445.0	137.5	194.0	63.50
MEAN	76.2	420	362	758	661	691	710	428	14.8	4.44	6.26	2.12
MAX	919	2190	1910	3090	3320	2770	3210	2920	51	10	46	7.4
MIN	2.7	80	146	157	215	129	130	33	4.9	1.4	2.2	.17
CFSM	.29	1.62	1.40	2.93	2.55	2.67	2.74	1.65	.06	.02	.02	.01
IN.	.34	1.81	1.61	3.38	2.66	3.08	3.06	1.91	.06	.02	.03	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1994, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
MEAN	40.0	211	484	497	815	577	463	414	213	82.0	46.4	13.1		
MAX	240	586	1806	801	1984	838	801	1912	598	219	291	57.1		
(WY)	1991	1986	1991	1990	1989	1993	1989	1983	1992	1989	1992	1992		
MIN	.012	3.97	116	47.0	212	80.5	48.3	47.1	1.90	4.44	.030	.001		
(WY)	1989	1988	1990	1986	1992	1983	1986	1986	1988	1994	1983	1983		

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1981 - 1994

ANNUAL TOTAL	137563.5		125016.20		319	
ANNUAL MEAN	377		343		454	
HIGHEST ANNUAL MEAN					1990	
LOWEST ANNUAL MEAN					201	
HIGHEST DAILY MEAN	6860	Jun 5	3320	Feb 23	20700	Feb 16 1990
LOWEST DAILY MEAN	2.7	Oct 7	.17	Sep 30	.00	Aug 19 1983
ANNUAL SEVEN-DAY MINIMUM	6.5	Oct 5	.57	Sep 24	.00	Aug 19 1983
INSTANTANEOUS PEAK FLOW			4530	Feb 23	26200	Feb 16 1990
INSTANTANEOUS PEAK STAGE			13.42	Feb 23	27.55	Feb 16 1990
INSTANTANEOUS LOW FLOW			.15	Sep 30	.15	Sep 30 1994
ANNUAL RUNOFF (CFSM)	1.46		1.32		1.23	
ANNUAL RUNOFF (INCHES)	19.76		17.96		16.74	
10 PERCENT EXCEEDS	948		935		766	
50 PERCENT EXCEEDS	180		156		84	
90 PERCENT EXCEEDS	12		2.8		1.0	

SALT RIVER BASIN

03297900 FLOYDS FORK NEAR PEE WEE 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 Pee Wee Valley, 2.2 mi downstream from Curry's Fork, and at mile 44.3.

DRAINAGE AREA.--60.7 mi².

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: Nov. 6, Dec. 25 to Jan. 1, 8-23, May 24 to June 6, and 10-16. Records fair except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	21	48	35	105	68	93	676	9.0	1.3	.30	.90
2	4.2	19	45	52	104	64	78	238	8.0	1.0	.24	.97
3	3.7	16	119	103	103	61	84	127	7.2	.91	.38	.77
4	2.9	16	812	152	89	54	92	99	6.5	.91	.54	.64
5	2.9	16	700	158	64	50	73	78	6.0	.72	9.0	5.7
6	2.4	15	190	127	58	45	74	68	5.5	10	5.2	17
7	1.6	14	111	728	54	43	88	349	18	16	1.1	2.8
8	1.3	13	85	200	381	43	72	322	71	6.9	.48	1.2
9	1.7	11	70	250	814	71	66	126	18	36	.29	1.7
10	3.4	10	69	110	268	333	700	87	11	13	.33	2.0
11	5.5	9.5	59	88	266	429	317	69	7.0	5.6	.52	1.4
12	6.3	9.1	50	74	170	386	287	67	5.0	2.8	.99	1.0
13	5.5	83	47	64	106	253	157	54	3.8	2.0	.72	.72
14	5.7	479	91	60	85	197	106	106	3.0	2.7	.35	.59
15	5.7	653	143	55	78	129	118	558	2.4	4.3	.35	.52
16	7.8	157	102	51	70	92	173	315	1.8	4.0	.49	.39
17	18	826	78	48	64	75	93	103	1.6	3.0	.46	1.0
18	14	243	70	46	62	74	75	69	1.4	2.2	.40	2.8
19	9.2	129	64	44	60	63	66	52	1.3	1.6	.33	4.8
20	356	85	57	42	67	59	58	42	.94	1.7	.33	4.4
21	152	64	58	40	158	61	51	34	1.1	4.0	.43	3.9
22	58	53	54	38	256	60	48	27	11	6.3	.34	3.8
23	33	45	47	70	1360	53	43	23	6.2	3.6	.33	4.0
24	23	40	43	111	248	196	40	19	3.4	2.1	.33	6.7
25	18	36	38	939	143	128	38	17	2.8	1.3	.39	6.9
26	14	37	35	1190	99	87	35	16	2.0	1.5	.50	7.0
27	12	201	33	1470	83	1030	53	15	4.6	2.7	.59	6.3
28	8.9	108	31	2230	73	726	68	13	5.4	1.1	.57	5.4
29	9.2	71	29	342	---	249	832	12	3.6	.68	2.5	4.4
30	9.7	57	28	189	---	149	1370	11	1.8	.48	2.1	3.8
31	15	---	27	134	---	121	---	10	---	.38	1.5	---
TOTAL	814.8	3536.6	3433	9240	5488	5449	5448	3802	230.34	140.78	32.38	103.50
MEAN	26.3	118	111	298	196	176	182	123	7.68	4.54	1.04	3.45
MAX	356	826	812	2230	1360	1030	1370	676	71	36	9.0	17
MIN	1.3	9.1	27	35	54	43	35	10	.94	.38	.24	.39
CFSM	.33	1.48	1.39	3.73	2.45	2.20	2.27	1.53	.10	.06	.01	.04
IN.	.38	1.65	1.60	4.30	2.56	2.54	2.54	1.77	.11	.07	.02	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1994, BY WATER YEAR (WY)

	1991	1992	1993	1994	1991	1992	1993	1994	1991	1992	1993	1994
MEAN	12.2	65.7	89.7	209	146	230	147	68.4	70.9	18.3	47.2	6.55
MAX	26.3	118	120	298	202	265	182	123	156	37.1	103	14.0
(WY)	1994	1994	1992	1994	1993	1992	1994	1994	1993	1993	1993	1992
MIN	4.53	3.14	38.8	127	43.3	176	86.4	26.5	4.07	1.89	1.04	2.34
(WY)	1993	1992	1993	1992	1992	1994	1992	1993	1991	1991	1994	1991

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	FOR 1991 CALENDAR YEAR	FOR 1992 WATER YEAR	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR
ANNUAL TOTAL	42651.05	37718.40	96.1	105	96.1	105
ANNUAL MEAN	117	103	79.5	79.5	79.5	79.5
HIGHEST ANNUAL MEAN			105	105	105	105
LOWEST ANNUAL MEAN			79.5	79.5	79.5	79.5
HIGHEST DAILY MEAN	1760	Feb 21	2230	Jan 28	2230	Jan 28
LOWEST DAILY MEAN	.72	Aug 1	.24	Aug 2	.12	Jul 18
ANNUAL SEVEN-DAY MINIMUM	2.3	Oct 4	.35	Aug 19	.17	Jul 16
INSTANTANEOUS PEAK FLOW			4280	Jan 28	4730	Mar 19
INSTANTANEOUS PEAK STAGE			14.96	Jan 28	16.40	Mar 19
ANNUAL RUNOFF (CFSM)	1.46		1.29		1.20	
ANNUAL RUNOFF (INCHES)	19.86		17.56		16.34	
10 PERCENT EXCEEDS	238		248		177	
50 PERCENT EXCEEDS	48		38		23	
90 PERCENT EXCEEDS	4.9		.91		.74	

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 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
18...	1110	3.2	493	7.6	15.5	7.2
NOV						
15...	1045	83	365	7.6	13.5	8.8
DEC						
13...	1055	11	534	8.1	3.5	12.5
JAN						
24...	1135	78	595	7.5	2.0	13.2
FEB						
16...	1040	25	343	8.1	3.5	13.5
MAR						
14...	1110	53	369	7.9	8.5	13.3
APR						
18...	1200	25	456	8.6	15.0	13.3
MAY						
16...	1030	37	396	7.9	16.5	9.3
JUN						
15...	1105	0.08	423	8.2	31.0	8.9
JUL						
13...	1120	0.00	251	9.0	29.5	12.2

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 mi².

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.

REMARKS.--Estimated daily discharges: Oct. 1-18, Dec. 21 to Jan. 1, 12-22, Jan. 25 to May 27. Records fair except for estimated daily discharges, which are poor.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	18	80	47	220	140	200	550	7.8	6.4	.48	6.5
2	6.0	22	72	87	190	125	150	400	6.4	5.3	.55	5.8
3	5.4	19	183	206	180	120	190	280	5.3	4.6	.54	5.9
4	4.6	17	1600	258	170	110	160	180	3.9	4.6	.74	5.8
5	4.4	16	1660	171	150	100	140	150	2.9	4.6	18	6.2
6	3.5	16	405	146	130	90	130	125	2.4	5.3	12	23
7	2.6	15	222	1550	120	84	150	520	2.2	30	5.2	18
8	2.4	12	163	435	800	80	140	450	15	22	1.4	7.7
9	3.5	10	126	179	1500	250	130	280	23	22	.43	4.6
10	6.0	8.8	127	151	700	680	880	170	13	41	.42	2.5
11	8.8	8.3	108	111	500	880	700	120	7.8	19	.43	1.7
12	9.4	7.2	85	100	400	760	580	110	6.0	11	.54	2.3
13	8.8	92	77	84	220	520	350	100	3.9	8.7	.85	2.1
14	10	729	135	72	170	380	190	350	2.4	7.9	5.2	1.7
15	12	1420	281	64	150	280	230	880	1.6	7.0	4.2	1.4
16	20	246	206	60	140	210	300	450	1.4	5.3	2.9	1.7
17	30	1850	149	56	120	160	200	170	1.4	4.6	1.9	2.8
18	21	560	127	50	115	140	155	84	1.4	4.3	1.3	3.6
19	27	257	113	49	110	120	130	60	2.2	3.2	1.0	6.3
20	935	167	99	47	170	112	120	45	2.9	2.3	1.3	5.2
21	265	119	85	45	340	110	108	36	11	3.1	3.2	4.1
22	78	94	76	44	900	108	92	30	24	11	5.0	2.9
23	41	78	72	56	2800	100	84	24	13	10	5.7	2.2
24	27	67	68	150	700	370	78	20	10	5.3	4.7	2.7
25	20	59	64	2000	350	220	70	17	11	3.3	3.8	6.7
26	16	59	60	2400	250	150	78	15	7.8	1.8	3.3	6.5
27	13	357	56	3000	200	1900	98	13	8.3	1.2	3.8	5.3
28	10	223	53	3900	160	1500	500	12	8.7	.93	3.3	4.4
29	7.4	133	51	800	---	900	1300	11	8.7	.96	9.5	3.8
30	8.9	99	50	560	---	450	900	9.6	8.3	1.1	12	2.6
31	14	---	49	350	---	250	---	8.7	---	.63	7.8	---
TOTAL	1627.5	6778.3	6702	17228	11955	11399	8533	5670.3	223.7	258.42	121.48	156.0
MEAN	52.5	226	216	556	427	368	284	183	7.46	8.34	3.92	5.20
MAX	935	1850	1660	3900	2800	1900	1300	880	24	41	18	23
MIN	2.4	7.2	49	44	110	80	70	8.7	1.4	.63	.42	1.4
CFSM	.38	1.64	1.57	4.03	3.09	2.66	2.06	1.33	.05	.06	.03	.04
IN.	.44	1.83	1.81	4.64	3.22	3.07	2.30	1.53	.06	.07	.03	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1994, BY WATER YEAR (WY)

	33.5	110	230	285	371	390	285	195	110	61.6	44.7	39.3
MEAN	33.5	110	230	285	371	390	285	195	110	61.6	44.7	39.3
MAX	423	485	1025	1252	990	1517	1021	971	588	331	290	1020
(WY)	1978	1974	1991	1950	1956	1964	1970	1983	1973	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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1944 - 1994	
ANNUAL TOTAL	85742.43		70652.70			
ANNUAL MEAN	235		194		179	
HIGHEST ANNUAL MEAN					382	1979
LOWEST ANNUAL MEAN					29.0	1954
HIGHEST DAILY MEAN	3240	Feb 21	3900	Jan 28	15400	Mar 9 1964
LOWEST DAILY MEAN	.44	Sep 13	.42	Aug 10	.00	Sep 7 1945
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 8	.71	Jul 29	.00	Sep 7 1945
INSTANTANEOUS PEAK FLOW			3900	Jan 28	28500	Apr 2 1970
INSTANTANEOUS PEAK STAGE			7.87	Jan 28	16.15	Apr 2 1970
ANNUAL RUNOFF (CFSM)	1.70		1.40		1.30	
ANNUAL RUNOFF (INCHES)	23.11		19.05		17.60	
10 PERCENT EXCEEDS	525		500		354	
50 PERCENT EXCEEDS	94		51		33	
90 PERCENT EXCEEDS	6.7		2.4		.39	

SALT RIVER BASIN

03298000 FLOYDS FORK AT FISHERVILLE, KY--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
18...	1210	33	502	7.6	16.0	7.2
NOV						
15...	1200	676	299	7.6	14.5	7.3
DEC						
13...	1210	76	552	7.9	5.5	12.8
JAN						
24...	1235	146	598	7.5	3.0	13.0
FEB						
16...	1205	144	378	8.0	5.0	13.7
MAR						
14...	1215	387	368	7.7	8.5	13.4
APR						
18...	1050	158	493	8.4	15.5	10.0
MAY						
16...	1125	479	373	7.8	18.0	7.7
JUN						
15...	1020	3.6	433	8.2	27.0	7.0
JUL						
13...	1220	8.2	440	8.0	25.5	6.6
AUG						
15...	1105	3.8	432	7.6	22.0	5.5
SEP						
15...	1110	1.5	447	7.1	22.5	6.9

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 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
18...	0925	1.9	550	7.5	15.5	7.0
NOV						
15...	0930	11	523	7.7	14.0	8.3
DEC						
13...	0920	2.2	652	7.5	5.0	10.7
JAN						
24...	1020	6.6	1060	7.4	4.0	11.5
FEB						
16...	0920	3.2	492	7.4	5.5	12.9
MAR						
14...	1005	3.6	506	7.9	8.5	13.7
APR						
18...	0955	3.2	621	8.1	11.5	10.8
MAY						
16...	0915	3.5	530	7.7	15.5	7.5
JUN						
15...	0910	1.6	560	7.7	23.0	5.1
JUL						
13...	0930	0.72	676	7.8	23.0	6.0
AUG						
15...	0920	1.2	629	7.6	19.5	7.3
SEP						
15...	0910	0.43	685	6.8	20.5	6.5

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 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
20...	1100	145	267	7.7	18.0	8.4
NOV						
08...	1045	5.3	709	8.9	5.5	16.2
DEC						
06...	1115	29	546	8.1	9.0	11.3
JAN						
12...	1000	16	580	7.7	5.5	11.8
FEB						
14...	1020	20	441	8.4	4.0	16.0
MAR						
09...	1030	18	389	8.1	3.0	14.0
APR						
06...	1030	28	416	8.1	11.0	10.5
MAY						
04...	1015	20	532	8.3	13.0	10.5
JUN						
02...	1125	7.2	654	8.6	18.0	11.1
JUL						
25...	1100	4.1	662	9.0	26.0	10.9
AUG						
03...	1015	4.0	677	8.5	24.0	9.2
SEP						
19...	1120	3.0	596	7.9	19.0	11.2

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 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 25...	0930	68	497	7.9	11.0	9.1
NOV 17...	1040	2300	310	7.5	14.0	8.7
DEC 20...	0940	138	563	8.2	4.5	12.0
JAN 31...	1140	460	481	7.9	3.0	12.0
FEB 23...	0920	4520	232	7.3	10.0	11.2
MAR 16...	0910	316	400	8.0	8.0	10.4
APR 25...	0920	90	523	8.3	18.0	7.5
MAY 18...	0930	179	444	8.0	16.5	7.9
JUN 16...	0900	12	522	8.1	26.5	5.5
JUL 20...	0920	8.8	535	7.8	26.0	5.4
AUG 17...	1020	8.3	510	7.8	23.5	5.9
SEP 21...	0900	3.9	594	7.1	17.0	6.4

SALT RIVER BASIN

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

WATER-QUALITY RECORDS

LOCATION.--Lat 38°06'43", long 85°35'49", Jefferson County, Hydrologic Unit 05140102, at bridge on Fairmount Road, 5.2 mi northwest of Mt. Washington, and at mile 10.9.

DRAINAGE AREA.--7.8 mi².

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

REMARKS.--Samples were collected monthly.

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

WATER-QUALITY DATA, FOR THE PERIOD OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (FT ³ /S)	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
25...	1155	4.5	741	7.8	13.5	9.3
NOV						
17...	1210	85	331	7.2	14.0	8.8
DEC						
20...	1200	7.1	648	8.2	6.0	13.2
JAN						
31...	1030	18	576	7.4	4.0	10.9
FEB						
23...	1209	53	419	7.5	11.5	10.8
MAR						
16...	1130	11	601	8.3	8.5	15.7
APR						
25...	1145	4.0	677	8.8	19.0	16.0
MAY						
18...	1220	7.4	661	8.0	16.0	9.2
JUN						
16...	1055	1.4	832	8.0	24.5	7.1
JUL						
20...	1020	1.4	854	8.2	24.5	7.6
AUG						
17...	1140	0.99	707	7.9	22.0	7.9
SEP						
21...	1135	3.1	795	7.2	18.0	8.0

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 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
25...	1040	4.0	691	7.9	11.5	10.1
NOV						
17...	0920	111	303	7.4	14.0	8.7
DEC						
20...	1105	9.5	632	8.3	5.5	13.9
JAN						
31...	0915	11	545	7.6	4.5	10.5
FEB						
23...	1120	82	385	6.9	11.5	10.9
MAR						
16...	1025	16	568	8.3	8.0	15.3
APR						
25...	1040	6.2	630	8.6	17.5	11.6
MAY						
18...	1105	9.3	605	8.0	16.0	10.4
JUN						
16...	1005	1.8	801	8.1	24.5	7.8
JUL						
20...	1135	1.3	874	8.0	25.0	7.8
AUG						
17...	0910	1.3	571	8.0	20.5	6.9
SEP						
21...	1025	1.9	777	7.3	17.5	8.6

SALT RIVER BASIN

03298300 PENNSYLVANIA RUN AT MT. 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 mi².

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

REMARKS.--Samples were collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
14...	0930	0.80	782	7.1	13.0	5.4
NOV						
18...	0915	22	353	7.4	12.0	9.3
DEC						
21...	0925	5.3	454	7.6	5.0	9.2
JAN						
25...	0940	46	465	7.4	5.5	11.2
FEB						
22...	0910	9.0	371	7.0	7.5	9.8
MAR						
10...	0925	27	436	7.7	6.0	12.2
APR						
20...	0920	5.5	485	7.8	14.5	7.1
MAY						
19...	0905	4.0	364	7.5	15.0	6.7
JUN						
08...	0915	0.91	582	7.5	19.0	3.8
JUL						
19...	0910	0.61	735	7.6	22.5	2.9
AUG						
18...	0920	0.55	655	7.3	26.5	4.0
SEP						
20...	0900	0.58	650	6.6	16.0	1.8

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 mi².

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

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

GAGE.--Water-stage recorder. 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: Nov. 6, Dec. 25 to Jan. 1, 13-18, 20-22, and May 12-15. Water-discharge records good except for periods of estimated record, which are fair. Flow regulated since January 1983 by Taylorsville Lake (station 03295597).

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	122	916	370	3180	3420	3720	9710	194	55	42	53
2	44	116	660	539	3720	3650	3470	4220	162	50	40	51
3	42	114	609	1010	4150	2420	3900	2910	124	46	37	38
4	42	117	3270	1530	4160	1360	4780	2430	109	42	35	34
5	41	119	6480	1880	3910	1550	4330	2030	86	39	51	35
6	36	113	3750	2070	3070	1140	3770	1350	77	39	80	40
7	33	110	3530	6040	2900	1060	3510	4110	77	41	87	54
8	32	106	3610	5120	2940	1040	3160	5710	346	60	104	57
9	32	241	3070	3150	8410	3900	2660	2700	170	73	86	55
10	32	359	3310	2770	4960	8870	2600	3190	154	66	85	56
11	38	353	2340	3170	4130	7690	4980	3990	142	65	93	67
12	40	348	1910	2650	4830	6420	5850	4450	112	64	288	65
13	35	1520	1710	2030	5480	4860	4990	5600	93	53	386	63
14	35	3650	1250	1600	4550	4380	4280	4650	78	237	86	59
15	33	6790	1830	1350	4780	3970	3520	3600	71	138	71	50
16	34	3180	2060	1100	5340	4010	5410	2740	64	81	60	42
17	40	7980	1750	930	5030	4170	3460	1820	61	62	56	41
18	89	6340	1320	810	4360	3800	2900	2060	69	54	54	40
19	116	3740	1160	617	3960	3160	3510	1200	57	53	53	40
20	5910	3210	1040	650	3820	2970	3750	893	52	47	54	41
21	3190	3440	798	610	3030	2950	3150	498	52	44	69	40
22	861	3230	699	580	2250	2970	2660	371	147	70	70	39
23	553	3090	624	633	13500	2150	910	328	150	76	63	41
24	415	3020	567	961	7090	954	513	286	88	60	56	47
25	343	2960	490	4870	4370	839	451	272	81	55	42	55
26	302	2910	460	12100	4100	743	421	294	81	57	34	58
27	270	2800	420	11300	3460	7400	1640	355	81	60	44	54
28	182	2830	410	21600	3220	10400	1720	279	89	52	39	51
29	108	2110	400	17500	---	6140	4880	245	80	45	63	47
30	102	1160	390	5620	---	4710	9750	223	68	45	62	40
31	112	---	380	3270	---	4210	---	209	---	42	52	---
TOTAL	13187	66178	51213	118430	128700	117306	104645	72723	3215	1971	2442	1453
MEAN	425	2206	1652	3820	4596	3784	3488	2346	107	63.6	78.8	48.4
MAX	5910	7980	6480	21600	13500	10400	9750	9710	346	237	386	67
MIN	32	106	380	370	2250	743	421	209	52	39	34	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1994, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
MEAN	273	1171	2080	2446	4367	2965	2119	1384	934	426	247	191
MAX	1166	2206	6329	5728	12370	5264	3506	4356	2793	871	1018	398
(WY)	1991	1994	1991	1991	1989	1989	1989	1984	1992	1991	1992	1990
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 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEARS 1984 - 1994

ANNUAL TOTAL	568705	681463											
ANNUAL MEAN	1558	1867								1534			
HIGHEST ANNUAL MEAN										2571		1989	
LOWEST ANNUAL MEAN										995		1986	
HIGHEST DAILY MEAN	17900	Feb 22	21600	Jan 28					39100		Feb 16	1990	
LOWEST DAILY MEAN	26	Sep 13	32	Oct 8						7.7		Jul 1	1988
ANNUAL SEVEN-DAY MINIMUM	28	Sep 9	35	Oct 7						9.3		Jun 26	1988
INSTANTANEOUS PEAK FLOW			23900	Jan 28					78200		Mar 10	1964	
INSTANTANEOUS PEAK STAGE			23.95	Jan 29						41.50		Mar 11	1964
INSTANTANEOUS LOW FLOW			30	Oct 9									
10 PERCENT EXCEEDS	3880		4840						3910				
50 PERCENT EXCEEDS	722		513						491				
90 PERCENT EXCEEDS	46		42						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 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 450 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Jan. 13-19 and Mar. 8, 9. Records good except for periods of estimated record, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	1.3	1.1	2.0	11	8.1	12	23	.75	.40	.15	.68
2	.36	1.7	1.5	4.2	8.5	8.7	11	12	.91	.31	.13	.79
3	.12	3.0	6.9	8.5	8.6	9.0	14	10	.75	.25	.13	.58
4	.10	3.6	7.8	8.4	7.6	8.6	15	8.3	.69	.21	.37	.49
5	.10	4.6	35	3.1	6.0	8.4	12	5.5	.69	.16	.62	.60
6	.09	3.2	11	5.9	4.9	7.0	17	6.1	.61	.15	.41	.60
7	.08	2.3	7.4	114	3.8	3.9	19	193	3.3	.15	.49	.56
8	.16	2.8	5.2	21	5.4	52	13	46	5.9	.18	.50	.58
9	.43	2.2	3.3	12	54	77	11	14	1.4	.15	.40	.35
10	.21	3.1	10	7.2	17	87	27	9.8	1.1	.14	.28	.28
11	.18	2.7	8.0	5.2	17	68	121	7.3	.70	.60	.22	.23
12	.19	4.6	4.0	6.3	43	52	48	5.0	.58	.17	.51	.32
13	.17	38	2.2	7.6	49	36	22	3.8	.55	.38	.30	.40
14	.16	41	1.9	5.8	22	23	15	3.6	.52	.55	.33	.62
15	.20	25	7.5	5.0	16	16	31	10	.49	.96	.23	.60
16	.47	3.3	8.4	4.5	12	12	28	8.0	.52	.39	.20	.40
17	.47	76	4.1	4.2	10	9.8	15	3.8	.53	.27	.39	.28
18	.39	12	4.9	3.8	9.0	10	12	2.0	.45	.19	.39	.17
19	1.6	3.2	4.7	3.6	8.1	8.9	9.6	2.1	.44	.16	.28	.16
20	110	1.4	1.9	3.2	16	8.5	8.4	1.8	.42	.17	.42	.14
21	3.2	1.5	2.3	3.2	18	10	6.3	1.7	.39	.55	.42	.18
22	1.5	1.5	1.7	3.0	192	11	6.1	1.5	.37	.74	.47	.21
23	1.4	1.6	1.5	2.8	113	8.8	4.2	1.0	.30	.64	.69	.26
24	1.4	1.4	2.0	22	26	7.9	3.6	1.2	.29	.46	.90	.13
25	2.2	.93	2.7	162	15	5.9	2.7	1.2	.23	.36	.85	.10
26	1.4	2.6	2.7	86	12	6.3	2.7	1.4	.46	.39	.82	.30
27	1.1	15	2.2	120	9.9	207	140	1.3	.42	.38	.71	.48
28	1.6	9.0	3.1	191	7.5	95	18	.83	.43	.32	.56	.44
29	2.0	3.7	2.3	33	---	27	23	.64	.46	.33	.98	.58
30	2.1	1.8	2.3	19	---	17	70	.71	.42	.27	.74	.46
31	1.4	---	1.8	14	---	15	---	.74	---	.19	.91	---
TOTAL	135.18	274.03	231.6	891.5	723.3	924.8	737.6	387.32	25.07	10.57	14.80	11.97
MEAN	4.36	9.13	7.47	28.8	25.8	29.8	24.6	12.5	.84	.34	.48	.40
MAX	110	76	78	191	192	207	140	193	5.9	.96	.98	.79
MIN	.08	.93	1.1	2.0	3.8	3.9	2.7	.64	.23	.14	.13	.10

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

	1992	1993	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994
MEAN	2.40	5.23	4.62	18.8	20.4	29.0	17.7	9.84	7.12	1.51	.75	.79
MAX	4.36	9.13	7.47	28.8	25.8	29.8	24.6	12.5	16.7	3.02	1.22	1.69
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1993	1992	1992	1992
MIN	.43	1.33	1.78	8.87	14.9	28.2	8.82	6.69	.84	.34	.48	.29
(WY)	1993	1993	1993	1993	1993	1993	1992	1992	1994	1994	1994	1993

SUMMARY STATISTICS

	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1992 - 1994	
ANNUAL TOTAL	3681.76		4367.74			
ANNUAL MEAN	10.1		12.0		10.3	
HIGHEST ANNUAL MEAN					12.0	
LOWEST ANNUAL MEAN					8.63	
HIGHEST DAILY MEAN	212	Feb 21	207	Mar 27	212	Feb 21 1993
LOWEST DAILY MEAN	.08	Sep 20	.08	Oct 7	.08	Sep 20 1993
ANNUAL SEVEN-DAY MINIMUM	.11	Sep 17	.14	Oct 2	.11	Sep 17 1993
INSTANTANEOUS PEAK FLOW			2080	May 7	2080	May 7 1994
INSTANTANEOUS PEAK STAGE			6.48	May 7	6.48	May 7 1994
10 PERCENT EXCEEDS	26		25		19	
50 PERCENT EXCEEDS	2.7		2.2		1.8	
90 PERCENT EXCEEDS	.28		.23		.32	

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 mi².

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: Dec. 21 to Jan. 1, and 15-22. Records good except for periods of estimated record, which are fair. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	17	224	110	566	430	1330	921	73	53	86	19
2	2.1	16	177	124	474	465	905	975	60	37	76	17
3	2.3	15	162	173	411	2010	694	533	51	26	53	14
4	1.9	14	1700	556	354	1460	630	403	43	20	33	11
5	1.9	14	4810	618	323	956	552	356	37	15	31	11
6	1.7	14	2070	538	297	665	587	324	32	17	511	9.9
7	1.6	14	756	5380	268	540	1840	1090	28	16	458	8.5
8	1.8	14	483	3960	315	4050	1110	3510	26	11	191	7.1
9	2.5	13	367	1080	4410	8350	730	1280	23	7.8	111	6.3
10	3.9	13	1060	648	3140	15000	1360	671	21	6.4	70	5.3
11	2.9	13	2120	454	2010	6990	2830	470	72	4.9	46	4.3
12	1.7	12	822	518	3910	2080	3210	370	108	3.9	32	4.0
13	1.7	364	495	1070	4190	1220	1490	304	66	3.4	23	3.0
14	1.7	1860	400	757	2260	1020	848	255	50	20	19	1.4
15	2.3	4000	442	635	1190	865	1380	267	38	23	16	.95
16	4.3	1440	641	565	912	684	5670	576	28	20	14	.83
17	6.9	4950	583	530	716	532	2560	661	22	17	11	.85
18	7.0	4450	443	480	576	470	913	354	18	66	9.3	1.1
19	7.5	881	369	450	493	440	645	253	15	45	7.1	.88
20	816	436	317	425	447	382	498	208	13	34	5.5	.76
21	1070	297	275	410	550	366	401	178	11	22	12	.67
22	339	218	250	500	1090	418	342	154	9.7	17	1390	.61
23	174	172	220	622	8770	376	298	134	9.1	13	435	.59
24	106	142	205	828	4520	343	261	116	21	10	201	.84
25	70	121	189	6400	1230	315	234	100	46	14	121	.88
26	51	106	170	4870	757	283	211	261	27	17	78	.91
27	37	369	157	5180	564	4820	337	343	25	17	54	1.4
28	28	1190	145	8170	468	8150	627	211	23	15	39	1.5
29	21	555	134	2770	---	3740	621	139	80	15	36	1.4
30	19	318	125	1040	---	1250	874	113	83	16	28	1.3
31	18	---	119	734	---	1030	---	90	---	71	23	---
TOTAL	2805.8	22038	20430	50595	45211	69700	33988	15620	1158.8	673.4	4219.9	137.27
MEAN	90.5	735	659	1632	1615	2248	1133	504	38.6	21.7	136	4.58
MAX	1070	4950	4810	8170	8770	15000	5670	3510	108	71	1390	19
MIN	1.1	12	119	110	268	283	211	90	9.1	3.4	5.5	.59
CFSM	.21	1.68	1.51	3.74	3.70	5.16	2.60	1.16	.09	.05	.31	.01
IN.	.24	1.88	1.74	4.32	3.86	5.95	2.90	1.33	.10	.06	.36	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1994, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
MEAN	192	569	1113	952	1253	1126	770	576	379	208	190	256	
MAX	1042	1699	3691	2461	5071	3292	2022	2205	1605	685	939	2284	
(WY)	1976	1989	1979	1974	1989	1975	1979	1983	1992	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 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1972 - 1994
ANNUAL TOTAL	186226.9	266577.17	
ANNUAL MEAN	510	730	630
HIGHEST ANNUAL MEAN			1243
LOWEST ANNUAL MEAN			308
HIGHEST DAILY MEAN	14400	15000	31400
LOWEST DAILY MEAN	1.1	.59	.00
ANNUAL SEVEN-DAY MINIMUM	1.7	.75	.00
INSTANTANEOUS PEAK FLOW		16200	33300
INSTANTANEOUS PEAK STAGE		20.90	26.16
ANNUAL RUNOFF (CFSM)	1.17	1.68	1.44
ANNUAL RUNOFF (INCHES)	15.89	22.74	19.63
10 PERCENT EXCEEDS	1210	1850	1340
50 PERCENT EXCEEDS	170	205	168
90 PERCENT EXCEEDS	3.1	4.2	6.2

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 mi².

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: Dec. 21 to Jan. 1, 8-10, and 18-23. Records good except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood 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 1993 TO SEPTEMBER 1994--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	99	795	390	8390	3720	7550	3430	312	199	233	62
2	20	44	598	530	7040	2620	3360	3610	272	179	174	48
3	23	67	512	944	6050	2570	2430	2540	245	140	177	41
4	26	64	1780	1700	4420	5260	2450	1720	219	112	148	37
5	25	61	7550	2560	2250	3880	2360	1550	197	91	171	34
6	22	70	10000	2240	1200	2750	2780	1390	179	79	264	31
7	18	65	6050	6260	997	2060	3750	2300	165	232	634	28
8	18	54	2430	11300	941	7270	5000	5320	166	155	750	25
9	18	56	1960	9130	4030	10900	2930	6070	220	100	392	23
10	23	50	2270	3710	9650	20000	3510	3140	202	77	253	22
11	25	46	4260	2380	10300	27900	13300	2160	160	72	181	21
12	22	40	4030	2210	10300	28700	10700	1760	144	78	137	19
13	20	485	2080	2940	12700	17200	10400	1190	171	75	107	18
14	21	1750	1460	2990	13400	12500	6830	855	195	527	85	16
15	22	5250	1450	2000	10800	9270	5200	1020	164	286	75	15
16	21	6340	1890	1240	7100	7030	10000	1940	139	230	62	14
17	23	7380	1890	990	4850	4470	13200	2310	121	179	50	14
18	29	11500	1590	900	2890	2490	11200	1570	107	140	42	13
19	34	8690	1270	780	1930	1830	7050	998	96	107	36	13
20	975	2440	1060	710	1590	1520	5370	757	85	117	34	13
21	1950	1240	930	670	1870	1440	3970	623	78	124	53	12
22	1380	856	830	630	2800	1480	2430	528	72	118	53	11
23	735	638	720	820	12400	1320	1370	457	66	113	1340	12
24	430	508	650	1030	16600	1180	996	397	64	96	662	12
25	293	421	600	4970	16600	1070	850	354	60	98	341	14
26	219	367	550	12200	10000	1000	748	3120	64	106	222	17
27	174	527	510	15400	5130	7210	1450	1310	118	80	161	19
28	146	1360	470	16600	4360	14200	1830	807	188	95	124	20
29	123	2100	430	18800	---	18100	2650	601	240	340	103	18
30	110	1220	410	17100	---	16300	3510	450	201	333	87	16
31	107	---	400	11700	---	10300	---	370	---	345	71	---
TOTAL	7072	53788	61425	155824	190588	247540	149174	54647	4710	5023	7222	658
MEAN	228	1793	1981	5027	6807	7985	4972	1763	157	162	233	21.9
MAX	1950	11500	10000	18800	16600	28700	13300	6070	312	527	1340	62
MIN	18	40	400	390	941	1000	748	354	60	72	34	11
CFSM	.18	1.38	1.53	3.87	5.24	6.15	3.83	1.36	.12	.12	.18	.02
IN.	.20	1.54	1.76	4.46	5.46	7.09	4.27	1.56	.13	.14	.21	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

MEAN	311	1076	2428	3000	3882	3753	2837	1771	971	766	427	465
MAX	2778	5310	11050	13420	16320	10070	11350	11810	4183	5339	2806	8265
(WY)	1976	1958	1979	1950	1989	1964	1972	1983	1950	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 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1939 - 1994
ANNUAL TOTAL	584176	937671	
ANNUAL MEAN	1600	2569	1797
HIGHEST ANNUAL MEAN			4268
LOWEST ANNUAL MEAN			473
HIGHEST DAILY MEAN	21700	Feb 23	28700
LOWEST DAILY MEAN	12	Sep 1	11
ANNUAL SEVEN-DAY MINIMUM	21	Oct 7	12
INSTANTANEOUS PEAK FLOW			31000
INSTANTANEOUS PEAK STAGE			44.01
INSTANTANEOUS LOW FLOW			52.62
ANNUAL RUNOFF (CFSM)	1.23	1.98	.40
ANNUAL RUNOFF (INCHES)	16.73	26.85	.40
10 PERCENT EXCEEDS	4470	9190	64600
50 PERCENT EXCEEDS	550	634	66500
90 PERCENT EXCEEDS	33	24	52.62

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 mi².

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

REMARKS.--Water-quality samples collected monthly.

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

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (FT ³ /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
19...	0930	0.90	464	7.8	16.0	7.1
NOV						
16...	1000	6.6	453	8.2	10.5	10.8
DEC						
09...	0930	3.8	310	8.2	5.0	13.8
JAN						
26...	0935	49	273	7.0	4.5	12.1
FEB						
24...	0925	24	357	7.5	5.5	12.0
MAR						
17...	0930	8.6	266	8.1	4.0	14.1
APR						
19...	1035	9.4	404	8.5	14.0	11.7
MAY						
17...	1035	4.3	432	8.0	13.0	9.7
JUN						
10...	0915	1.2	462	8.3	19.0	8.0
JUL						
21...	0935	0.10	502	7.2	23.0	3.4
AUG						
16...	0925	0.07	490	7.6	17.0	5.4
SEP						
22...	0918	0.01	660	7.0	17.0	2.8

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY

LOCATION.--Lat 37°51'49", Long 85°36'41", Bullitt County, Hydrologic Unit 05140103, Bernheim State Forest, on right bank, 75 ft upstream from Harts Run, 3.7 mi southwest of Deatsville, 5.0 mi southeast of Clermont, and at mile 12.3.

DRAINAGE AREA.--27.7 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and crest-stage gages. Elevation of gage is 470 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: June 19 to July 6, 1992; Mar. 21, 22, and Sept. 15, 16, 1993; Jan. 16-24, 29 to Feb. 24, Mar. 9 to Apr. 20, 27 to May 17, and Aug. 27, 28, 1994. Water-discharge records fair except for periods of estimated record, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.39	16	4.8	3.5	3.1	31	3.3	15	.82	8.5	.05
2	.00	.37	283	82	3.1	2.7	22	3.2	10	11	5.3	.07
3	.00	.28	99	179	3.0	2.3	17	5.3	8.9	.74	11	.14
4	.00	.24	13	34	3.4	1.9	15	3.6	12	.47	7.9	.15
5	.00	.20	6.5	18	2.9	1.6	12	3.3	11	.35	4.2	1.1
6	.05	.19	4.9	12	2.8	1.7	10	2.7	8.4	.29	2.8	.45
7	.07	.17	3.7	9.3	2.8	3.2	9.9	2.0	7.9	2.4	2.3	.24
8	.05	.15	2.8	7.8	2.6	3.1	8.8	3.2	11	1.8	3.5	.12
9	.04	.14	3.1	6.9	2.3	2.0	8.0	4.0	7.6	1.2	3.0	.05
10	.03	.13	3.6	5.8	2.0	128	7.5	2.7	6.0	.79	2.1	.04
11	.03	.12	2.9	5.1	1.9	34	6.7	1.9	5.1	2.3	1.6	.04
12	.03	.12	2.5	5.0	2.1	23	5.8	2.6	4.6	2.8	1.4	.03
13	.02	.12	87	5.4	54	18	5.2	5.8	4.5	.77	1.2	.03
14	.01	.12	34	148	27	15	5.0	3.4	4.2	.43	1.1	.03
15	.03	.13	10	29	46	13	5.0	2.4	10	.39	1.6	.02
16	.04	.14	5.8	17	22	11	9.7	65	14	1.2	1.4	.01
17	.04	.14	4.4	13	14	11	9.1	32	5.6	26	1.2	.01
18	.04	.15	3.1	9.6	13	396	9.0	91	71	5.7	.88	.65
19	.03	.21	2.2	8.4	10	248	7.2	22	36	3.1	.78	1.8
20	.03	15	1.7	7.1	8.4	48	8.2	13	18	1.9	.61	.30
21	.03	5.0	2.9	6.4	7.5	30	22	11	9.5	3.1	.15	.94
22	.02	2.5	2.9	6.2	6.8	24	15	9.4	7.3	4.5	.12	15
23	.20	1.2	36	8.0	42	18	9.2	7.2	5.6	2.1	.06	3.3
24	1.6	.69	17	7.2	53	15	7.1	6.6	4.2	1.3	.05	1.4
25	1.5	.47	7.6	5.6	14	14	5.5	5.4	3.2	.79	.04	.74
26	.73	.34	5.2	5.0	8.8	16	4.9	4.6	2.5	7.2	.05	.64
27	4.1	.28	4.0	4.6	6.1	20	4.6	3.8	1.9	28	.10	.75
28	3.8	.27	4.0	4.4	5.0	15	4.4	3.4	1.5	12	3.3	.50
29	1.3	.25	10	4.0	4.0	13	3.9	224	1.1	5.1	.80	.30
30	.69	.61	10	4.0	---	150	3.8	117	.93	4.3	.30	.19
31	.45	---	6.1	3.9	---	71	---	27	---	21	.13	---
TOTAL	14.96	30.12	694.9	666.5	374.0	1352.6	292.5	691.8	308.53	153.84	67.47	29.09
MEAN	.48	1.00	22.4	21.5	12.9	43.6	9.75	22.3	10.3	4.96	2.18	.97
MAX	4.1	15	283	179	54	396	31	224	71	28	11	15
MIN	.00	.12	1.7	3.9	1.9	1.6	3.8	1.9	.93	.29	.04	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992	1991	1992
MEAN	.48	1.00	22.4	21.5	12.9	43.6	10.1	14.7	5.77	2.81	2.18	.59
MAX	.48	1.00	22.4	21.5	12.9	43.6	10.5	22.3	10.3	4.96	2.18	.97
(WY)	1992	1992	1992	1992	1992	1992	1991	1992	1992	1992	1992	1992
MIN	.48	1.00	22.4	21.5	12.9	43.6	9.75	7.04	1.25	.65	2.18	.20
(WY)	1992	1992	1992	1992	1992	1992	1992	1991	1991	1991	1992	1991

SUMMARY STATISTICS

FOR 1992 WATER YEAR

WATER YEARS 1991 - 1992

ANNUAL TOTAL	4676.31	
ANNUAL MEAN	12.8	12.8
HIGHEST ANNUAL MEAN		12.8
LOWEST ANNUAL MEAN		12.8
HIGHEST DAILY MEAN	396	406
LOWEST DAILY MEAN	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.02	.00
INSTANTANEOUS PEAK FLOW	2160	2160
INSTANTANEOUS PEAK STAGE	7.78	7.78
10 PERCENT EXCEEDS	22	19
50 PERCENT EXCEEDS	3.6	3.1
90 PERCENT EXCEEDS	.07	.03

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

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	.16	.52	4.2	7.2	6.3	20	84	7.2	1.6	6.2	.17	.19
2	.13	1.2	4.0	6.6	5.4	94	37	6.4	1.1	5.3	.15	.18
3	.09	3.5	3.5	6.2	5.2	175	25	6.1	1.0	4.0	.14	1.0
4	.08	2.7	3.2	23	4.9	281	21	18	41	3.3	.17	1.7
5	.07	1.9	3.1	55	4.7	91	18	10	106	2.6	.22	.57
6	.05	1.9	2.9	16	4.7	51	15	6.8	9.1	2.2	.19	.31
7	.08	1.6	2.9	11	4.4	37	13	5.6	5.3	1.8	.12	.20
8	.17	1.1	2.7	11	4.3	45	12	5.1	3.8	1.6	.09	.16
9	.48	.84	2.7	10	4.0	28	30	4.6	101	1.2	.06	.14
10	.53	.71	8.2	9.3	3.9	49	60	4.0	39	1.0	.04	.10
11	.42	1.0	11	18	4.1	28	24	3.7	478	.89	.05	.06
12	.35	14	7.3	36	14	21	17	6.0	143	.87	.15	.04
13	.32	21	5.8	25	14	19	16	98	34	.87	2.7	.03
14	.36	5.3	5.2	18	12	15	16	15	88	1.5	.69	.00
15	.28	3.2	4.9	13	9.6	13	29	8.0	68	1.7	.36	.62
16	.36	2.2	4.8	11	70	15	60	6.3	19	1.1	.22	1.4
17	.51	1.6	4.4	9.3	31	39	30	5.4	14	.98	9.9	.49
18	.51	1.1	3.9	7.9	19	27	20	77	11	1.6	2.9	.29
19	.43	.86	3.7	7.0	14	16	16	28	9.6	3.3	.87	.18
20	.43	.73	32	6.6	12	15	14	11	9.0	1.2	.54	.14
21	.45	9.3	12	93	783	13	11	7.0	8.9	.73	.39	.11
22	.52	37	8.4	31	121	12	9.8	5.3	8.0	.56	.26	.08
23	.51	19	7.2	18	44	187	8.9	4.3	7.3	.49	.22	.19
24	.47	9.1	6.0	44	27	51	8.8	3.7	7.1	.42	.27	.34
25	.45	16	5.6	22	22	30	13	3.4	8.2	.35	.73	.64
26	.47	9.0	5.4	15	20	57	43	2.7	19	1.1	.43	1.4
27	.52	6.8	5.1	12	15	34	17	2.3	8.8	2.1	.37	.76
28	.42	5.8	7.3	9.8	14	24	12	1.9	34	.72	.25	.44
29	.27	5.0	8.6	8.0	---	19	9.5	1.6	102	.47	.16	.33
30	.27	4.5	7.4	6.8	---	16	8.3	1.4	9.3	.30	.14	.22
31	.32	---	6.8	6.6	---	95	---	2.8	---	.22	.11	---
TOTAL	10.48	188.46	200.2	573.3	1293.5	1617	698.3	368.6	1395.1	50.67	23.06	12.31
MEAN	.34	6.28	6.46	18.5	46.2	52.2	23.3	11.9	46.5	1.63	.74	.41
MAX	.53	.37	.32	.93	.783	.281	.84	.98	.478	6.2	9.9	1.7
MIN	.05	.52	2.7	6.2	3.9	12	8.3	1.4	1.0	.22	.04	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1993, BY WATER YEAR (WY)

	1991	1992	1993	1991	1992	1993	1991	1992	1993	1991	1992	1993
MEAN	.41	3.64	14.4	20.0	29.3	47.9	14.5	13.7	19.3	2.42	1.46	.53
MAX	.48	6.28	22.4	21.5	46.2	52.2	23.3	22.3	46.5	4.96	2.18	.97
(WY)	1992	1993	1992	1992	1993	1993	1993	1992	1993	1992	1992	1992
MIN	.34	1.00	6.46	18.5	12.9	43.6	9.75	7.04	1.25	.65	.74	.20
(WY)	1993	1992	1993	1993	1992	1992	1992	1991	1991	1991	1993	1991

SUMMARY STATISTICS	FOR 1992 CALENDAR YEAR	FOR 1993 WATER YEAR	WATER YEARS 1991 - 1993
ANNUAL TOTAL	4335.47	6430.98	
ANNUAL MEAN	11.8	17.6	15.2
HIGHEST ANNUAL MEAN			17.6
LOWEST ANNUAL MEAN			12.8
HIGHEST DAILY MEAN	396	783	783
LOWEST DAILY MEAN	.01	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.02	.08	.00
INSTANTANEOUS PEAK FLOW		3650	3650
INSTANTANEOUS PEAK STAGE		10.40	10.40
10 PERCENT EXCEEDS	22	37	28
50 PERCENT EXCEEDS	4.2	5.3	3.8
90 PERCENT EXCEEDS	.30	.20	.05

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, 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	.21	1.9	4.6	4.6	17	17	26	96	2.0	.17	.17	.06
2	.35	1.6	4.5	7.6	15	19	20	48	2.1	.12	.12	.04
3	.64	1.7	8.8	14	14	20	33	32	1.9	.08	.09	.03
4	.73	1.9	14.5	16	13	18	29	25	1.5	.06	.12	.02
5	.50	2.0	60	9.8	12	16	24	20	1.2	.05	3.4	.02
6	.34	2.0	19	11	11	14	28	16	1.0	.04	1.5	.04
7	.25	1.8	11	246	10	15	33	47	1.2	.04	.58	.04
8	.20	1.7	8.9	31	9.8	98	25	84	3.0	.04	.30	.03
9	.48	1.6	7.7	17	185	170	21	39	2.3	.04	.19	.03
10	3.1	1.6	36	12	98	110	51	26	1.8	.05	.13	.02
11	.52	1.6	18	10	67	70	90	20	1.2	.04	.10	.02
12	.33	1.7	11	11	45	56	66	16	.87	.02	.10	.2
13	.26	135	8.7	11	30	44	35	13	.72	2.3	.10	.02
14	.24	98	9.0	9.4	25	34	24	99	.63	9.9	.09	.4
15	.25	49	18	8.4	22	28	45	46	.52	1.9	.07	.09
16	.34	13	15	7.3	19	23	34	19	.33	1.0	.05	.2
17	2.5	192	10	6.4	17	19	26	10	.29	.82	.03	.4
18	2.4	25	8.8	5.7	15	17	21	7.2	.28	.47	.01	.8
19	2.9	12	7.6	5.1	14	14	17	5.8	.25	.31	.04	1.40
20	151	8.5	6.9	4.6	13	13	14	5.0	.22	.19	.2	1.20
21	8.6	6.5	7.1	4.0	12	28	12	4.3	.18	1.4	1.5	1.00
22	4.0	5.5	6.2	3.6	640	23	11	3.7	.17	4.4	.61	.92
23	3.0	4.8	5.6	3.3	330	17	9.3	3.3	.35	2.4	.20	.84
24	2.3	4.5	5.1	12	48	14	8.7	2.9	.25	.89	.08	1.3
25	1.8	4.2	5.3	123	33	12	8.0	2.7	.26	2.2	.04	1.7
26	1.6	4.2	5.0	149	24	12	7.4	8.6	.81	4.9	.03	1.8
27	1.7	15	4.5	323	19	95	18	4.8	3.5	2.0	.1	.67
28	1.7	9.3	4.7	616	17	250	41	3.4	.89	1.1	.7	.39
29	1.7	6.3	4.8	180	---	110	97	2.9	.51	.54	3.6	.09
30	2.0	5.1	4.7	68	---	62	230	2.6	.27	.34	.69	.04
31	2.3	---	4.4	25	---	38	---	2.3	---	.23	.12	---
TOTAL	198.24	619.0	475.9	1954.8	1774.8	1476	1104.4	715.5	30.50	38.04	15.06	13.81
MEAN	6.39	20.6	15.4	63.1	63.4	47.6	36.8	23.1	1.02	1.23	.49	.46
MAX	151	192	145	616	640	250	230	99	3.5	9.9	3.6	1.8
MIN	.20	1.6	4.4	3.3	9.8	12	7.4	2.3	.17	.02	.01	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1994, BY WATER YEAR (WY)

	1991	1992	1993	1994	1991	1992	1993	1994	1991	1992	1993	1994
MEAN	2.41	9.31	14.7	34.4	40.5	47.8	20.1	16.1	14.8	2.12	1.14	.51
MAX	6.39	20.6	22.4	63.1	63.4	52.2	36.8	23.1	46.5	4.96	2.18	.97
(WY)	1994	1994	1992	1994	1994	1993	1994	1994	1993	1992	1992	1992
MIN	.34	1.00	6.46	18.5	12.9	43.6	9.75	7.04	1.02	.65	.49	.20
(WY)	1993	1992	1993	1993	1992	1992	1992	1991	1994	1991	1994	1991

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1991 - 1994

ANNUAL TOTAL	7324.98	8416.05	
ANNUAL MEAN	20.1	23.1	17.8
HIGHEST ANNUAL MEAN			23.1
LOWEST ANNUAL MEAN			12.8
HIGHEST DAILY MEAN	783	640	783
LOWEST DAILY MEAN	.00	.01	.00
ANNUAL SEVEN-DAY MINIMUM	.08	.03	.00
INSTANTANEOUS PEAK FLOW		2530	3650
INSTANTANEOUS PEAK STAGE		8.49	10.40
10 PERCENT EXCEEDS	44	48	32
50 PERCENT EXCEEDS	6.2	4.7	4.0
90 PERCENT EXCEEDS	.23	.10	.05

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

WATER-QUALITY RECORDS

LOCATION.--Lat 37°51'49", long 85°36'41", Bullitt County, Hydrologic Unit 05140103, Bernheim State Forest, on right bank 75 ft upstream from Harts Run, 3.7 mi southwest of Deatsville, 5.0 mi southeast of Clermont, and at mile 12.3.

DRAINAGE AREA.--27.7 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1991 to current year.

pH: March 1991 to current year.

WATER TEMPERATURE: March 1991 to current year.

DISSOLVED OXYGEN: March 1991 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1991.

REMARKS.--Water-quality samples collected monthly. Records good for specific conductance, pH, and water temperature. Record fair for dissolved oxygen.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 744 microsiemens, Nov. 8, 1992; minimum, 72 microsiemens, Jan. 25, 1994.

pH: Maximum, 10.5 units, Apr. 2-3, 1992; minimum, 5.7 units, Mar. 27, 1992.

WATER TEMPERATURE: Maximum, 31.8°C, July 9, 1993; minimum, 0°C, several days in some years.

DISSOLVED OXYGEN: Maximum recorded, 16.8 mg/L, Mar. 24, 1992; minimum recorded, 1.1 mg/L, Oct. 20, 1991.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 656 microsiemens, Aug. 29; minimum, 72 microsiemens, Jan. 25.

pH: Maximum, 9.8 units, Oct. 29; minimum, 6.0 units, Sept. 14.

WATER TEMPERATURE: Maximum, 29.3°C, June 20 and July 5; minimum, 0.1°C, Jan. 18-23.

DISSOLVED OXYGEN: Maximum recorded, 16.2 mg/L, Dec. 3; minimum recorded, 3.0 mg/L, Sept. 6.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	509	500	504	520	514	517	378	362	373	343	318	330
2	512	499	506	524	519	522	377	355	366	335	310	325
3	500	496	498	525	517	521	370	288	356	320	287	310
4	502	494	497	523	517	519	288	88	144	300	265	292
5	509	500	504	527	522	524	233	98	169	295	269	285
6	515	502	509	530	522	527	270	224	242	288	282	285
7	520	508	515	533	529	532	288	259	271	285	84	144
8	523	510	518	534	527	531	304	267	286	229	172	199
9	524	499	518	536	528	532	313	276	296	250	218	234
10	500	413	456	536	528	533	315	230	273	257	247	253
11	413	382	388	536	529	533	255	230	240	271	253	259
12	429	384	400	536	532	535	287	252	272	282	255	264
13	458	429	439	535	184	400	304	267	288	278	260	270
14	476	458	464	426	206	354	307	288	297	280	271	278
15	487	475	478	410	252	345	306	280	295	328	277	289
16	497	487	492	451	401	437	287	274	280	358	326	340
17	505	483	494	401	173	252	296	273	281	350	334	339
18	508	488	499	400	321	369	309	283	289	338	325	332
19	496	478	485	424	400	415	299	291	295	345	328	333
20	498	185	338	436	424	430	308	293	300	338	333	334
21	477	397	446	443	415	439	312	301	302	349	335	341
22	512	477	495	444	433	438	304	302	303	353	344	349
23	522	511	515	439	425	434	318	302	304	349	344	346
24	529	521	525	434	420	427	312	308	310	346	342	343
25	535	528	531	426	410	419	319	312	314	344	72	222
26	535	529	532	422	389	411	324	313	320	186	109	146
27	535	528	532	389	299	338	333	321	323	231	186	210
28	530	526	529	360	320	341	324	321	323	256	231	244
29	528	520	526	376	359	370	325	323	324	270	256	262
30	520	515	518	380	366	374	333	317	329	284	270	274
31	518	512	515	---	---	---	338	318	330	296	284	288
MONTH	535	185	489	536	173	444	378	88	293	358	72	281

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	302	296	298	374	365	369	321	305	310	375	320	351
2	308	299	303	379	374	376	342	320	328	396	375	387
3	319	305	311	390	374	380	348	330	343	413	396	406
4	327	313	320	401	380	389	338	326	331	423	410	418
5	342	327	332	410	394	402	355	338	347	429	418	423
6	350	335	344	418	400	410	360	272	327	434	418	427
7	357	344	351	425	416	420	312	275	296	425	128	316
8	367	357	361	427	313	361	349	312	331	349	235	302
9	381	367	377	317	291	303	373	349	361	386	349	371
10	383	378	381	292	257	272	389	283	331	409	386	400
11	383	378	382	257	233	249	306	277	293	422	409	418
12	379	366	377	247	233	239	285	244	264	433	422	429
13	366	308	321	243	231	235	306	285	296	439	429	435
14	308	287	303	243	230	235	314	306	311	443	395	430
15	316	302	307	261	242	250	327	262	302	397	361	376
16	324	310	316	273	261	265	310	267	292	404	369	390
17	332	317	324	273	256	267	339	310	324	434	403	421
18	343	326	334	279	258	270	376	339	354	445	433	438
19	360	340	348	286	268	278	393	363	378	458	439	443
20	374	360	366	295	277	287	409	378	395	459	440	450
21	388	374	379	299	243	278	418	388	405	464	442	454
22	393	388	391	268	243	255	426	398	414	470	444	457
23	393	340	364	282	268	276	428	402	418	472	449	459
24	340	330	335	297	279	292	433	412	424	459	450	456
25	349	330	338	306	293	300	436	415	427	460	454	457
26	352	340	347	313	292	308	441	419	434	459	424	437
27	357	345	351	292	137	212	438	155	295	437	420	426
28	365	352	358	233	204	213	374	305	344	449	437	441
29	---	---	---	280	233	252	387	325	358	456	446	450
30	---	---	---	296	271	287	360	270	315	460	456	458
31	---	---	---	306	296	301	---	---	---	465	455	460
MONTH	393	296	344	427	137	298	441	155	345	472	128	419
	JUNE			JULY			AUGUST			SEPTEMBER		
1	467	457	463	437	427	433	528	510	520	370	359	363
2	470	464	467	438	429	433	523	424	468	389	369	376
3	473	464	468	438	429	434	575	426	534	397	383	388
4	482	468	474	438	430	435	576	499	528	399	378	394
5	482	474	479	436	430	434	534	402	475	400	387	394
6	490	475	480	435	428	431	429	385	397	413	396	402
7	491	484	487	431	425	428	483	429	454	420	405	412
8	486	466	476	431	427	429	483	408	425	427	410	418
9	466	461	463	433	429	430	429	414	420	435	415	425
10	462	455	458	431	425	429	434	423	428	439	419	431
11	476	455	467	430	421	427	443	431	435	440	421	431
12	480	467	472	429	417	423	450	440	445	442	424	433
13	489	471	478	531	418	424	458	446	451	431	207	317
14	491	477	484	535	401	471	460	452	456	223	146	196
15	496	482	488	428	398	416	466	456	460	---	---	---
16	498	483	489	486	428	449	466	456	462	---	---	---
17	492	480	485	513	486	496	468	457	464	---	---	---
18	497	477	485	536	513	520	481	463	470	---	---	---
19	496	487	492	550	513	526	482	232	379	---	---	---
20	490	478	483	543	486	513	523	221	258	---	---	---
21	486	472	479	486	451	466	543	420	445	---	---	---
22	479	469	473	615	425	480	447	434	442	---	---	---
23	482	467	473	621	598	609	439	435	437	---	---	---
24	482	474	477	598	573	584	439	430	434	---	---	---
25	475	468	472	585	546	562	440	430	435	---	---	---
26	472	463	467	573	481	541	443	429	437	---	---	---
27	464	452	458	571	467	521	446	355	428	---	---	---
28	452	418	434	523	457	477	355	205	242	479	451	466
29	428	414	420	524	490	504	656	216	381	489	469	475
30	434	422	428	547	515	538	365	339	348	481	466	473
31	---	---	---	545	528	536	364	343	351	---	---	---
MONTH	498	414	471	621	398	477	656	205	429	---	---	---

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.7	7.4	7.5	9.5	7.9	8.4	8.0	7.7	7.9	9.0	8.7	8.8
2	7.7	7.5	7.6	9.1	8.4	8.7	8.0	7.8	7.9	8.9	8.7	8.8
3	7.6	7.4	7.5	8.9	8.0	8.4	8.3	7.9	8.1	8.9	8.7	8.8
4	7.7	7.3	7.5	9.3	8.0	8.4	8.2	7.8	7.9	9.0	8.7	8.8
5	7.8	7.4	7.6	9.2	8.5	8.9	8.6	7.6	7.9	9.0	8.7	8.8
6	7.8	7.5	7.7	8.7	8.0	8.2	7.9	7.7	7.8	8.8	8.7	8.8
7	7.9	7.5	7.7	8.0	7.6	7.8	9.2	7.7	8.2	8.7	8.3	8.4
8	7.8	7.5	7.7	7.9	7.4	7.7	9.0	8.4	8.7	8.6	8.2	8.3
9	7.8	7.6	7.7	7.7	7.2	7.5	8.6	8.2	8.3	8.7	8.6	8.6
10	7.8	7.6	7.8	7.7	7.2	7.5	8.9	8.4	8.6	8.7	8.6	8.7
11	7.6	7.2	7.3	7.6	7.1	7.4	8.9	8.5	8.7	8.7	8.6	8.6
12	7.6	7.1	7.3	7.6	7.2	7.4	8.9	8.7	8.8	8.8	8.6	8.7
13	7.6	7.2	7.4	8.5	7.3	7.7	9.1	8.7	8.9	8.8	8.7	8.8
14	7.6	7.3	7.5	8.6	7.9	8.1	9.0	8.7	8.9	8.8	8.5	8.7
15	7.7	7.3	7.5	8.5	7.7	8.0	9.2	8.8	8.9	8.7	8.5	8.6
16	7.6	7.4	7.5	8.1	7.5	7.7	9.0	8.7	8.8	8.7	8.2	8.5
17	7.7	7.5	7.6	8.2	7.6	7.9	9.1	8.8	8.9	8.4	8.1	8.2
18	7.7	7.6	7.6	8.5	7.8	8.1	9.0	8.8	8.9	8.6	8.4	8.5
19	8.0	7.4	7.7	7.9	7.7	7.8	9.1	8.8	8.9	8.7	8.6	8.6
20	8.1	7.7	7.9	7.7	7.6	7.7	9.0	8.8	8.9	8.6	8.4	8.5
21	8.2	7.9	8.1	7.6	7.4	7.5	9.2	8.8	9.0	8.6	8.4	8.5
22	8.0	7.7	7.9	8.6	7.4	8.0	9.1	8.9	9.0	8.6	8.1	8.4
23	8.2	7.7	7.9	8.1	7.7	7.9	9.1	8.9	9.0	8.2	8.0	8.1
24	8.3	7.9	8.0	7.9	7.6	7.8	9.1	8.9	9.0	8.5	8.1	8.3
25	8.5	7.9	8.2	8.5	7.7	7.9	9.2	8.8	9.0	8.5	8.2	8.4
26	8.8	8.3	8.5	8.4	8.0	8.2	9.2	8.9	9.0	8.6	8.4	8.5
27	8.8	8.4	8.6	8.2	8.0	8.1	9.0	8.9	8.9	8.6	8.5	8.5
28	9.7	7.7	8.7	8.1	7.7	7.9	9.1	8.9	9.0	8.7	8.5	8.6
29	9.8	9.2	9.5	7.9	7.6	7.8	9.1	8.9	9.0	8.7	8.6	8.6
30	9.2	8.5	8.8	8.0	7.7	7.9	9.1	8.9	9.1	8.8	8.7	8.8
31	8.5	8.1	8.3	---	---	---	9.1	8.8	9.0	8.8	8.7	8.8
MONTH	9.8	7.1	7.9	9.5	7.1	7.9	9.2	7.6	8.7	9.0	8.0	8.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.8	8.7	8.7	7.3	7.2	7.2	7.5	6.5	7.0	8.4	8.0	8.2
2	8.7	8.7	8.7	7.2	7.1	7.2	7.5	6.6	7.0	8.5	8.1	8.3
3	8.7	8.7	8.7	7.2	7.1	7.1	7.6	7.0	7.4	8.3	8.1	8.2
4	8.7	8.6	8.7	7.2	7.0	7.1	7.6	6.6	7.1	8.4	8.0	8.2
5	8.8	8.7	8.8	7.3	7.1	7.2	7.6	6.7	7.1	8.4	8.1	8.2
6	8.9	8.8	8.8	7.3	7.0	7.1	7.7	6.8	7.2	8.3	8.0	8.2
7	8.9	8.8	8.9	7.2	7.0	7.1	8.3	7.0	7.6	8.1	7.5	7.9
8	9.0	8.7	8.8	7.2	7.0	7.2	8.3	7.4	8.1	7.9	7.7	7.8
9	9.0	8.6	8.7	7.2	7.0	7.1	8.4	7.9	8.3	7.9	7.8	7.9
10	9.1	8.8	8.9	7.2	6.8	7.2	8.4	8.0	8.4	8.0	7.8	7.9
11	9.1	8.8	8.9	7.1	6.8	7.0	8.5	7.6	8.4	8.1	7.9	8.0
12	9.1	8.7	8.9	7.5	6.9	7.1	8.6	8.4	8.5	8.1	7.9	8.0
13	9.1	8.7	8.9	7.5	7.2	7.3	8.5	8.4	8.5	8.2	7.9	8.0
14	9.2	6.8	8.2	7.3	7.0	7.2	8.5	8.4	8.4	8.1	7.7	8.0
15	7.0	6.9	7.0	8.6	7.2	7.9	8.5	8.3	8.4	7.8	7.7	7.7
16	7.1	7.0	7.0	8.6	8.2	8.4	8.5	8.5	8.5	8.0	7.7	7.8
17	7.1	7.0	7.1	8.8	7.4	8.4	8.5	8.4	8.4	8.2	7.8	8.0
18	7.3	7.1	7.1	8.9	8.5	8.7	8.4	8.4	8.4	8.2	8.0	8.1
19	7.5	7.3	7.4	8.9	8.5	8.7	8.8	8.3	8.5	8.2	8.0	8.1
20	8.0	7.4	7.6	8.8	8.5	8.6	8.8	8.2	8.5	8.2	8.0	8.1
21	8.0	7.8	7.9	8.6	8.5	8.6	8.7	8.3	8.5	8.3	8.0	8.1
22	7.8	7.5	7.7	8.7	8.5	8.6	8.6	8.3	8.5	8.2	8.1	8.2
23	8.0	7.4	7.8	8.8	8.5	8.6	8.6	8.2	8.4	8.2	8.0	8.1
24	8.0	7.6	7.7	8.7	8.5	8.6	8.5	8.2	8.4	8.2	8.0	8.1
25	7.6	7.4	7.5	8.6	8.5	8.5	8.5	8.1	8.3	8.2	8.0	8.1
26	7.4	7.4	7.4	8.6	8.4	8.5	8.4	8.1	8.2	8.2	8.0	8.1
27	7.4	7.3	7.3	8.6	8.1	8.5	8.2	7.7	8.0	8.3	8.1	8.2
28	7.3	7.2	7.3	8.1	6.5	7.3	8.3	7.8	8.1	8.2	8.1	8.2
29	---	---	---	7.5	6.4	6.9	8.1	7.9	8.0	8.3	8.1	8.2
30	---	---	---	7.3	6.5	6.9	8.2	8.0	8.0	8.3	8.1	8.2
31	---	---	---	7.3	6.4	6.8	---	---	---	8.3	8.1	8.2
MONTH	9.2	6.8	8.1	8.9	6.4	7.7	8.8	6.5	8.1	8.5	7.5	8.1

SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.2	8.1	8.1	8.9	8.6	8.7	7.9	7.8	7.9	7.0	6.9	7.0
2	8.3	8.1	8.1	8.8	8.3	8.5	7.9	7.9	7.9	8.0	7.0	7.5
3	8.3	8.1	8.2	8.6	8.2	8.4	7.9	7.9	7.9	7.8	7.5	7.7
4	8.3	8.1	8.2	8.3	7.8	8.1	7.9	7.9	7.9	7.7	7.3	7.5
5	8.2	8.1	8.2	8.0	7.6	7.8	7.9	7.9	7.9	7.7	7.3	7.5
6	8.3	7.9	8.1	7.7	7.5	7.6	8.0	7.8	7.9	7.8	7.2	7.5
7	8.3	8.1	8.2	7.7	7.5	7.6	7.9	7.8	7.8	7.6	7.2	7.4
8	8.4	8.2	8.3	7.6	7.5	7.5	7.9	7.8	7.8	7.8	7.2	7.6
9	8.4	8.2	8.3	7.6	7.5	7.5	7.8	7.8	7.8	7.6	6.8	7.0
10	8.3	8.1	8.2	7.6	7.5	7.5	7.9	7.8	7.8	6.8	6.6	6.7
11	8.4	8.1	8.3	7.6	7.5	7.6	7.8	7.8	7.8	6.6	6.4	6.5
12	8.4	8.2	8.3	7.7	7.5	7.6	7.8	7.8	7.8	6.4	6.4	6.4
13	8.4	8.2	8.3	7.7	7.6	7.6	7.8	7.7	7.7	6.4	6.3	6.4
14	8.4	8.1	8.3	7.7	7.6	7.7	7.7	7.7	7.7	6.4	6.0	6.3
15	8.3	8.1	8.2	7.7	7.7	7.7	7.7	7.7	7.7	---	---	---
16	8.4	8.0	8.2	7.8	7.7	7.8	7.8	7.2	7.6	---	---	---
17	8.4	8.2	8.3	7.8	7.8	7.8	7.2	6.8	7.1	---	---	---
18	8.3	8.1	8.3	7.9	7.8	7.9	6.8	6.7	6.7	---	---	---
19	8.4	8.2	8.3	7.9	7.9	7.9	6.7	6.6	6.7	---	---	---
20	8.4	8.2	8.3	8.0	7.9	8.0	6.7	6.6	6.7	---	---	---
21	8.4	8.2	8.3	8.0	8.0	8.0	6.7	6.6	6.7	---	---	---
22	8.4	8.2	8.3	8.0	8.0	8.0	6.7	6.6	6.7	---	---	---
23	8.5	8.2	8.3	8.1	8.0	8.1	6.7	6.6	6.7	---	---	---
24	8.5	8.3	8.4	8.1	7.9	8.0	6.7	6.6	6.6	---	---	---
25	8.7	8.4	8.5	8.0	7.9	7.9	6.7	6.6	6.6	---	---	---
26	9.0	8.6	8.8	8.0	7.9	8.0	6.6	6.6	6.6	---	---	---
27	9.2	9.0	9.1	8.0	7.9	8.0	6.7	6.6	6.7	---	---	---
28	9.1	8.7	8.9	8.0	7.9	8.0	6.8	6.7	6.7	7.6	7.5	7.5
29	8.9	8.6	8.8	8.0	8.0	8.0	6.9	6.8	6.8	7.6	7.5	7.6
30	8.8	8.4	8.6	8.0	8.0	8.0	6.9	6.8	6.9	7.5	7.4	7.4
31	---	---	---	8.0	7.9	7.9	7.0	6.8	6.9	---	---	---
MONTH	9.2	7.9	8.4	8.9	7.5	7.9	8.0	6.6	7.3	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.9	9.8	13.4	---	---	---	6.6	2.7	4.6	.9	.6	.8
2	15.5	13.8	14.7	---	---	---	7.6	4.4	5.8	2.1	.8	1.4
3	15.4	11.9	13.6	---	---	---	10.2	7.6	8.8	4.4	2.1	3.5
4	16.2	11.4	13.7	---	---	---	11.5	10.2	10.9	4.1	2.7	3.4
5	17.8	12.6	14.8	---	---	---	10.8	9.8	10.3	3.3	2.5	3.0
6	19.0	11.9	15.2	---	---	---	9.9	7.9	8.9	5.7	2.9	3.9
7	20.3	13.2	16.6	---	---	---	7.9	6.3	7.3	6.1	3.7	5.5
8	20.7	13.7	17.0	---	---	---	7.3	5.0	6.3	3.7	1.2	2.0
9	19.1	15.7	16.9	---	---	---	7.8	4.0	5.6	1.7	.6	1.2
10	16.0	12.3	13.8	---	---	---	10.4	7.8	9.3	3.0	.6	1.8
11	12.7	9.4	10.4	---	---	---	8.3	4.4	6.4	4.6	2.6	3.6
12	14.0	9.0	11.3	---	---	---	4.5	2.7	3.9	5.6	4.4	5.0
13	15.0	10.9	12.9	---	---	---	6.1	3.6	4.7	5.5	4.6	5.1
14	16.1	11.9	13.8	16.4	13.1	14.5	7.1	6.1	6.6	4.6	.6	2.6
15	16.9	12.0	14.6	14.7	12.7	14.1	8.0	7.0	7.4	.9	.5	.7
16	17.1	15.8	16.5	12.7	10.3	11.7	7.6	6.9	7.3	.8	.6	.7
17	18.2	16.6	17.3	14.1	12.0	12.9	7.4	6.7	7.1	.6	.6	.6
18	16.6	15.7	16.1	12.2	11.3	11.7	7.4	6.4	7.1	.6	.1	.4
19	17.2	15.7	16.4	11.5	9.9	10.9	6.4	5.2	5.8	2.1	.1	.1
20	18.8	16.7	17.7	9.9	6.1	7.7	5.4	4.3	4.9	.1	.1	.1
21	18.4	13.6	16.7	7.3	3.9	5.6	5.3	3.4	4.6	.1	.1	.1
22	---	---	---	7.6	3.7	5.6	3.8	2.1	3.1	.5	.1	.3
23	---	---	---	8.8	4.4	6.5	3.6	2.6	3.1	.6	.1	.5
24	---	---	---	9.8	7.5	8.6	2.8	1.7	2.4	.6	.5	.6
25	---	---	---	11.3	9.1	10.1	2.5	.7	2.2	3.8	.5	1.5
26	---	---	---	11.9	9.3	10.5	2.1	.6	1.2	4.8	3.8	4.4
27	---	---	---	9.3	6.2	7.8	3.0	1.3	2.1	6.2	4.4	5.3
28	---	---	---	6.2	4.2	5.5	2.5	.6	1.1	6.4	4.8	5.9
29	---	---	---	5.1	2.3	3.9	1.2	.6	.9	5.1	4.2	4.7
30	---	---	---	6.2	3.7	4.7	1.2	.6	.8	5.6	3.7	4.5
31	---	---	---	---	---	---	1.5	.6	.9	4.0	2.3	3.5
MONTH	---	---	---	---	---	---	11.5	.6	5.2	6.4	.1	2.5