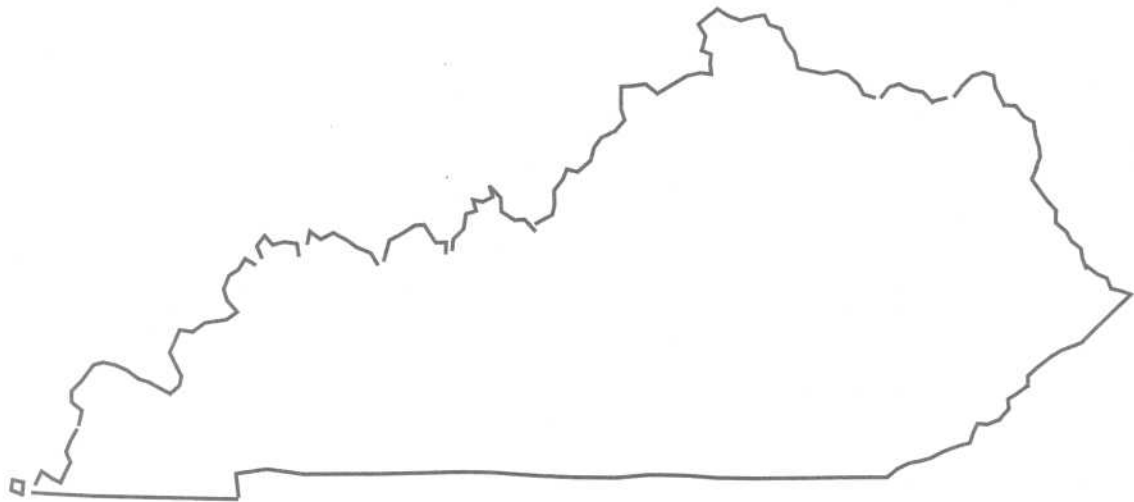




# Water Resources Data Kentucky Water Year 1995



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT KY-95-1  
Prepared in cooperation with the Commonwealth of  
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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<sup>2</sup>.

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: Jan. 1-5, Jan. 31, Feb. 6-15, July 18-21, and July 31 to Aug. 4. Records good except for estimated daily discharges, and the period July 11-Sept. 27 which are 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 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	3.1	3.3	23	157	53	31	73	114	64	10	8.7
2	5.2	4.1	1.3	22	130	48	28	592	96	37	8.0	8.0
3	2.6	3.8	.77	21	107	45	27	240	92	24	7.0	7.4
4	1.6	3.2	.87	20	95	43	26	131	82	70	10	7.1
5	1.3	2.9	416	19	85	61	25	99	56	2020	91	6.6
6	.89	3.3	48	42	76	176	24	77	45	660	515	5.1
7	.48	5.2	15	371	68	389	27	59	38	183	691	4.6
8	.18	3.9	6.6	369	61	2850	24	50	33	92	2120	4.7
9	.36	3.0	33	202	54	751	24	689	35	56	360	5.7
10	.41	13	619	87	48	405	38	535	33	41	163	5.5
11	.09	13	813	183	42	267	30	188	28	32	92	5.2
12	.68	9.0	184	614	37	190	61	117	34	26	60	4.6
13	1.7	5.6	105	229	33	146	100	615	44	21	43	3.8
14	1.6	3.6	73	315	29	119	54	2270	32	17	34	3.7
15	1.3	2.5	57	1240	1400	101	42	511	25	15	28	2.8
16	1.3	14	103	389	2360	87	37	237	22	15	78	2.4
17	1.7	23	631	208	502	74	35	2970	17	15	31	11
18	1.6	11	213	146	267	63	34	5000	15	13	23	6.9
19	18	5.0	117	118	192	56	34	3160	16	11	19	4.4
20	25	2.4	83	113	151	54	36	611	14	8.0	16	4.2
21	17	1.5	65	105	121	61	343	307	14	11	16	5.0
22	7.6	1.4	54	84	97	54	208	204	20	15	15	3.8
23	4.9	1.1	48	71	89	48	132	142	25	34	12	3.1
24	5.1	.93	43	64	80	45	343	109	20	85	10	2.8
25	5.1	1.1	39	57	65	41	187	609	16	71	9.1	2.7
26	4.4	1.2	35	51	59	38	111	471	28	36	8.0	1.5
27	4.3	6.5	32	53	56	37	83	165	19	37	7.5	1.4
28	4.0	55	30	2920	55	38	64	1840	16	27	8.6	1.4
29	3.6	28	28	1330	---	37	52	612	31	16	8.6	1.7
30	2.7	8.7	27	367	---	39	47	222	132	14	8.4	1.9
31	2.6	---	25	205	---	33	---	145	---	12	7.7	---
TOTAL	134.09	240.03	4034.97	10038	6516	6449	2307	23050	1192	3778.0	4509.9	137.7
MEAN	4.33	8.00	130	324	233	208	76.9	744	39.7	122	145	4.59
MAX	25	55	813	2920	2360	2850	343	5000	132	2020	2120	11
MIN	.09	.93	.77	19	29	33	24	50	14	8.0	7.0	1.4
CFSM	.03	.06	.94	2.35	1.69	1.51	.56	5.39	.29	.88	1.05	.03
IN.	.04	.06	1.09	2.71	1.76	1.74	.62	6.21	.32	1.02	1.22	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	32.9	108	228	286	368	387	281	206	109	62.8	46.6	38.7
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 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1944 - 1995

ANNUAL TOTAL	59953.99	62386.69		
ANNUAL MEAN	164	171	179	
HIGHEST ANNUAL MEAN			382	1979
LOWEST ANNUAL MEAN			29.0	1954
HIGHEST DAILY MEAN	3900	Jan 28	5000	May 18
LOWEST DAILY MEAN	.09	Oct 11	.09	Oct 11
ANNUAL SEVEN-DAY MINIMUM	.44	Oct 6	.44	Oct 6
INSTANTANEOUS PEAK FLOW			7050	May 18
INSTANTANEOUS PEAK STAGE			11.04	May 18
INSTANTANEOUS LOW FLOW			.09	Oct 11
ANNUAL RUNOFF (CFSM)	1.19		1.24	
ANNUAL RUNOFF (INCHES)	16.16		16.82	
10 PERCENT EXCEEDS	441		370	
50 PERCENT EXCEEDS	18		35	
90 PERCENT EXCEEDS	1.4		2.8	.40

## 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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	1115	0.97	533	7.0	13.0	9.3
NOV						
09...	1115	2.3	578	7.2	14.0	8.3
DEC						
14...	1100	81	486	7.6	3.5	12.1
JAN						
17...	0925	203	462	7.2	6.0	12.0
FEB						
14...	0900	29	450	7.7	1.0	13.7
MAR						
14...	0915	159	377	6.9	10.5	10.1
APR						
11...	0915	48	522	7.0	17.0	7.2
MAY						
17...	1130	4640	265	6.5	20.0	6.9
JUL						
11...	1225	28	458	7.7	25.0	6.2
SEP						
20...	1215	3.4	573	6.4	19.5	7.3

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	0925	0.35	679	7.0	11.0	8.3
NOV						
09...	0815	0.34	689	6.7	15.0	7.3
DEC						
14...	0925	2.3	596	7.6	4.5	11.2
JAN						
17...	0825	5.2	652	7.3	7.5	9.6
FEB						
15...	0840	38	301	7.0	4.0	12.5
MAR						
14...	0820	3.7	455	5.8	8.5	10.0
APR						
11...	0755	0.10	600	6.3	14.0	6.0
MAY						
17...	0815	150	236	6.3	17.5	7.5
JUL						
11...	1110	0.10	650	7.8	25.0	7.9
SEP						
20...	1055	4.8	632	6.8	20.0	7.1

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /S)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MGL)
OCT						
12...	0820	2.6	731	6.9	9.5	10.1
NOV						
10...	1120	14	409	7.6	14.0	11.2
DEC						
14...	0820	9.1	652	7.2	3.5	12.1
JAN						
17...	1135	20	618	8.4	8.0	13.6
FEB						
14...	1145	6.8	419	8.4	3.5	16.2
MAR						
14...	1215	13	568	8.5	16.5	16.1
APR						
11...	1135	16	662	8.6	17.5	17.5
MAY						
17...	1010	739	226	6.3	18.0	7.7
JUL						
11...	1010	3.4	670	8.0	23.5	10.2
SEP						
20...	1005	12	680	7.6	20.0	8.0

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	0825	5.4	663	7.1	13.0	8.1
NOV						
15...	0815	16	568	7.0	13.0	9.6
DEC						
15...	0900	97	514	7.5	2.5	13.2
JAN						
17...	1320	330	478	7.5	7.0	11.8
FEB						
14...	1040	47	628	8.0	1.5	12.9
MAR						
14...	1030	233	503	7.0	12.0	10.6
APR						
11...	1030	45	520	6.6	17.5	8.7
MAY						
17...	1440	6050	254	6.6	20.5	7.3
JUL						
11...	0840	50	451	7.7	24.0	5.6
SEP						
20...	0840	13	493	7.5	19.5	7.1

## SALT RIVER BASIN

03298242 CEDAR CREEK AT FAIRMOUNT ROAD NEAR MOUNT 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 mi<sup>2</sup>.

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, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	1140	3.0	780	6.9	14.0	8.5
NOV						
15...	1035	2.5	787	6.9	14.5	8.8
DEC						
15...	1335	4.7	731	7.6	7.0	11.6
JAN						
18...	1215	11	680	7.3	9.0	11.4
FEB						
15...	1120	64	432	7.2	4.5	11.3
MAR						
15...	1150	7.7	636	6.6	13.5	16.4
APR						
12...	1225	9.4	520	6.4	15.5	10.6
MAY						
10...	1015	20	586	6.9	17.5	8.0
JUL						
05...	1040	42	310	6.0	22.5	6.6
SEP						
13...	1135	1.1	819	7.6	22.0	7.6

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	0925	1.4	758	6.7	13.0	7.6
NOV						
15...	0935	2.3	727	7.3	13.0	7.8
DEC						
15...	1025	5.9	696	7.9	3.5	14.1
JAN						
18...	1010	15	625	7.4	7.5	10.7
FEB						
15...	1005	--	310	6.8	3.5	12.8
MAR						
15...	1055	--	601	7.1	12.0	13.9
APR						
12...	1120	16	771	6.4	15.5	11.0
MAY						
10...	0840	20	502	6.8	17.5	9.2
JUL						
05...	0835	145	348	6.8	21.5	6.1
SEP						
13...	1040	--	817	7.7	21.0	7.3



## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	1020	0.96	665	6.5	14.5	4.9
NOV						
02...	1010	0.89	676	6.6	9.5	9.2
DEC						
15...	1200	2.8	562	6.8	6.5	9.3
JAN						
18...	1110	9.6	485	7.0	8.0	10.4
FEB						
07...	0840	4.0	532	6.5	2.0	10.9
MAR						
15...	0955	7.5	498	6.5	11.5	9.0
APR						
12...	1010	6.8	515	6.2	13.5	6.3
MAY						
03...	1010	10	479	6.7	14.5	8.8
JUN						
28...	1015	--	634	7.3	21.5	2.3
SEP						
13...	0945	--	737	7.2	22.0	2.6

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<sup>2</sup>.

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: Dec. 24-Jan. 4, Jan. 12-31, and Feb. 9. 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 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	26	226	135	3130	594	180	951	3160	390	59	45
2	27	29	156	125	2860	553	162	3000	3480	348	52	45
3	26	29	120	115	2740	522	147	2370	3200	286	56	47
4	25	29	268	105	2600	455	133	1830	3520	258	44	40
5	24	30	2460	204	2420	463	120	1210	3280	2270	225	36
6	25	33	2190	295	1150	744	111	900	3480	2460	2510	35
7	23	41	1770	2010	636	1190	106	562	3370	1050	1010	32
8	21	183	1490	1310	593	11200	104	472	3280	549	6450	34
9	28	76	1080	881	588	7740	127	3370	3140	399	4110	35
10	32	44	2790	1450	584	4520	125	4060	2580	314	3120	39
11	38	59	4560	2170	473	4380	125	2940	2070	260	2870	44
12	38	61	2320	2800	352	3980	346	2630	2430	209	2610	42
13	39	55	1880	4000	332	3650	461	4140	2740	154	1690	44
14	39	52	1600	5800	344	3210	376	11500	2370	128	579	116
15	39	50	1440	6100	3310	3000	314	8000	1750	93	246	409
16	42	166	1500	4700	15000	2870	271	3990	860	77	207	429
17	37	248	2950	3700	7220	2790	667	10000	397	68	184	258
18	34	165	2700	3000	4040	2700	465	25100	275	62	118	106
19	148	126	1950	2400	3270	2490	348	27400	248	57	93	59
20	185	96	1260	1900	2780	753	355	16800	216	52	137	64
21	98	77	682	1500	2540	549	2970	6390	185	45	134	60
22	75	66	556	1250	2650	464	2520	4110	636	48	122	55
23	67	57	508	1050	2500	444	1850	4450	256	211	72	51
24	45	51	310	940	2380	410	3480	5210	229	239	53	44
25	34	50	280	840	2260	334	2990	4380	221	209	48	38
26	28	53	250	720	2100	286	2380	3920	476	199	44	32
27	24	146	230	640	826	277	1980	3250	304	283	43	28
28	21	683	205	4500	620	280	1740	4340	232	179	41	26
29	21	437	180	5400	---	252	1580	4810	333	120	41	25
30	23	322	160	3700	---	233	848	3440	412	90	42	25
31	25	---	150	3000	---	210	---	3290	---	72	45	---
TOTAL	1362	3540	38221	66740	70298	61543	27381	178815	49130	11179	27055	2343
MEAN	43.9	118	1233	2153	2511	1985	913	5768	1638	361	873	78.1
MAX	185	683	4560	6100	15000	11200	3480	27400	3520	2460	6450	429
MIN	21	26	120	105	332	210	104	472	185	45	41	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

MEAN	254	1083	2009	2421	4214	2884	2019	1749	993	421	299	181
MAX	1166	2206	6329	5728	12370	5264	3506	5768	2793	871	1018	398
(WY)	1991	1994	1991	1991	1989	1989	1989	1995	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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1984 - 1995	
ANNUAL TOTAL	594008		537607			
ANNUAL MEAN	1627		1473		1529	
HIGHEST ANNUAL MEAN					2571	
LOWEST ANNUAL MEAN					995	
HIGHEST DAILY MEAN	21600	Jan 28	27400	May 19	39100	Feb 16 1990
LOWEST DAILY MEAN	21	Oct 8	21	Oct 8	7.7	Jul 1 1988
ANNUAL SEVEN-DAY MINIMUM	24	Oct 26	24	Oct 26	9.3	Jun 26 1988
INSTANTANEOUS PEAK FLOW			28800	May 19	78200	Mar 10 1964
INSTANTANEOUS PEAK STAGE			28.59	May 19	41.50	Mar 11 1964
10 PERCENT EXCEEDS	4600		3670		3910	
50 PERCENT EXCEEDS	223		344		482	
90 PERCENT EXCEEDS	39		38		45	

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<sup>2</sup>.

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: Feb. 2-11. 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 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	.15	.09	.40	2.9	1.1	.74	39	1.6	.62	.40	2.0
2	.03	.06	.07	.46	1.9	1.0	.46	69	1.5	.22	.41	2.1
3	.03	.19	.06	.41	1.4	1.1	.46	21	17	.23	.24	.92
4	.03	.50	15	.34	1.0	.91	.45	13	3.0	1.3	.27	.42
5	.07	.65	13	.39	.80	2.5	.55	9.4	1.6	41	14	.47
6	.04	.67	.91	12	.58	7.8	.43	6.2	1.1	4.8	13	1.3
7	.04	.57	.70	22	.45	57	.34	4.5	.76	1.5	72	.77
8	.04	.63	.51	3.8	.35	137	.38	3.2	.57	.67	46	.65
9	.07	.83	2.7	1.6	.29	38	.57	193	.72	.39	104	.50
10	.05	.68	51	1.1	.25	29	1.3	40	.65	.25	11	.35
11	.04	.56	17	8.2	.22	22	.95	21	3.7	.21	3.4	.68
12	.05	.50	1.4	15	.19	14	43	14	8.0	.16	2.2	1.0
13	.10	.65	.39	4.4	.16	7.7	15	141	1.3	.16	1.5	.93
14	.09	.46	.78	73	.20	5.1	6.2	175	.40	.16	1.2	.81
15	.07	.62	.53	57	156	3.8	3.1	49	.28	.28	.91	.98
16	.47	1.5	6.1	16	106	2.9	3.8	27	.14	.40	.75	2.2
17	.13	.21	16	6.1	33	1.8	20	127	.15	.67	.57	1.5
18	.13	.37	4.7	2.7	16	1.2	12	339	.13	.39	.39	1.5
19	1.2	.28	2.4	1.7	8.9	2.0	6.5	74	.14	.52	.29	1.4
20	.25	.29	1.5	2.0	6.2	1.5	20	29	.14	.56	.39	1.2
21	.36	.24	.94	1.7	4.0	1.3	100	17	41	.47	.42	1.0
22	.34	.24	.55	1.2	2.9	1.0	28	12	31	5.3	.48	.84
23	.30	.23	.59	.69	2.8	5.0	75	7.2	.97	7.0	.41	.56
24	.28	.21	.47	.40	2.3	3.1	63	4.4	.93	7.6	.13	.45
25	.32	.21	.57	.29	1.8	.90	27	2.2	1.0	.83	.76	.38
26	.13	.10	.57	.24	1.2	1.8	15	2.6	2.3	.76	1.5	.35
27	.18	4.3	.48	.35	1.1	2.1	9.8	2.9	1.1	.62	1.8	.33
28	.24	4.3	.48	102	1.4	2.1	6.1	14	.76	.32	1.9	.37
29	.19	.09	.46	35	---	.95	4.0	4.2	1.3	.35	1.7	.64
30	.08	.08	.47	12	---	1.1	3.4	2.1	1.6	.36	1.6	.48
31	.19	---	.40	5.0	---	.85	---	1.5	---	.40	1.9	---
TOTAL	5.61	20.37	140.82	387.47	354.29	357.61	467.53	1464.4	124.84	78.50	285.52	27.08
MEAN	.18	.68	4.54	12.5	12.7	11.5	15.6	47.2	4.16	2.53	9.21	.90
MAX	1.2	4.3	51	102	156	137	100	339	41	41	104	2.2
MIN	.03	.06	.06	.24	.16	.85	.34	1.5	.13	.16	.13	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

MEAN	1.66	3.71	4.60	16.7	17.8	23.2	17.2	19.2	6.38	1.77	2.87	.82
MAX	4.36	9.13	7.47	28.8	25.8	29.8	24.6	47.2	16.7	3.02	9.21	1.69
(WY)	1994	1994	1994	1994	1994	1994	1994	1995	1993	1992	1995	1992
MIN	.18	.68	1.78	8.87	12.7	11.5	8.82	6.69	.84	.34	.48	.29
(WY)	1995	1995	1993	1993	1995	1995	1992	1992	1994	1994	1994	1993

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR WATER YEARS 1992 - 1995

ANNUAL TOTAL	3893.73				3714.04							
ANNUAL MEAN	10.7				10.2							
HIGHEST ANNUAL MEAN					12.0				1994			
LOWEST ANNUAL MEAN					8.63				1993			
HIGHEST DAILY MEAN	207	Mar	27		339	May	18	339	May	18	1995	
LOWEST DAILY MEAN	.03	Oct	2		.03	Oct	2	.03	Oct	2	1994	
ANNUAL SEVEN-DAY MINIMUM	.04	Oct	2		.04	Oct	2	.04	Oct	2	1994	
INSTANTANEOUS PEAK FLOW					1460	May	9	2080	May	7	1994	
INSTANTANEOUS PEAK STAGE					8.09	May	9	8.09	May	9	1995	
10 PERCENT EXCEEDS	22				24				20			
50 PERCENT EXCEEDS	.74				.97				1.6			
90 PERCENT EXCEEDS	.15				.16				.26			

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<sup>2</sup>.

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. 31 to Jan. 5, Feb. 3-14, and Aug. 27-30. 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 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.39	165	40	423	174	140	271	305	212	15	.82
2	.99	.35	97	37	354	166	130	1430	3070	356	16	.57
3	.86	.35	64	34	300	153	120	1040	3900	238	11	.47
4	.76	.35	60	32	260	141	110	524	1520	135	9.0	.40
5	.68	.31	1670	31	230	148	101	391	654	123	54	.39
6	.54	.38	1360	444	210	400	93	319	433	121	98	.42
7	.47	.41	422	5070	195	1660	88	265	322	86	70	.36
8	.40	.43	241	2060	175	11900	85	224	251	61	1510	.35
9	.60	.39	172	582	210	7570	84	608	776	49	1300	.35
10	.60	.53	745	343	240	2110	84	3200	650	39	901	.33
11	.49	.54	5250	293	200	1220	81	1260	368	32	364	.28
12	.49	.54	1850	680	175	866	133	505	1990	26	192	.27
13	.63	.54	502	501	160	645	394	2470	1350	22	119	.27
14	.69	.54	313	399	150	503	240	9850	544	18	80	.27
15	.63	.49	227	1970	253	418	159	7840	338	16	57	.23
16	.52	.89	184	2880	7550	358	127	2690	243	14	42	.55
17	.45	1.1	283	1440	4840	308	190	3430	186	14	32	1.4
18	.39	1.1	359	614	1400	268	203	12900	148	12	26	1.0
19	.86	1.5	247	408	732	235	159	13400	122	11	21	1.4
20	1.0	4.8	189	379	531	215	191	3890	106	12	17	2.2
21	.87	5.5	151	368	426	220	3260	1090	94	11	15	2.8
22	.78	4.7	127	304	346	247	2290	650	87	11	12	2.7
23	.76	3.7	109	249	292	269	844	471	87	26	10	1.6
24	.65	3.2	97	206	262	284	2860	358	91	18	8.7	1.2
25	.56	3.2	88	174	229	252	1510	283	750	23	7.5	.89
26	.49	3.6	78	148	201	205	692	563	460	28	6.5	.74
27	.45	6.2	70	133	185	182	481	508	252	22	5.0	.52
28	.44	12	63	1120	179	180	371	496	207	19	3.5	.44
29	.40	211	57	4470	---	186	299	1300	143	17	2.4	.40
30	.36	303	52	1250	---	172	251	568	103	14	1.7	.36
31	.35	---	45	585	---	155	---	323	---	12	1.0	---
TOTAL	19.26	572.03	15337	27244	20708	31810	15770	73117	19550	1798	5007.3	23.98
MEAN	.62	19.1	495	879	740	1026	526	2359	652	58.0	162	.80
MAX	1.1	303	5250	5070	7550	11900	3260	13400	3900	356	1510	2.8
MIN	.35	.31	45	31	150	141	81	224	87	11	1.0	.23
CFSM	.00	.04	1.13	2.02	1.70	2.35	1.21	5.41	1.49	.13	.37	.00
IN.	.00	.05	1.31	2.32	1.77	2.71	1.35	6.24	1.67	.15	.43	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
MEAN	184	545	1086	949	1230	1122	759	654	391	202	189	245													
MAX	1042	1699	3691	2461	5071	3292	2022	2359	1605	685	939	2284													
(WY)	1976	1989	1979	1974	1989	1975	1979	1995	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 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1972 - 1995

ANNUAL TOTAL	237231.66	210956.57	
ANNUAL MEAN	650	578	628
HIGHEST ANNUAL MEAN			1243
LOWEST ANNUAL MEAN			308
HIGHEST DAILY MEAN	15000	13400	31400
LOWEST DAILY MEAN	.31	.23	.00
ANNUAL SEVEN-DAY MINIMUM	.35	.29	.00
INSTANTANEOUS PEAK FLOW		17000	33300
INSTANTANEOUS PEAK STAGE		20.93	26.16
ANNUAL RUNOFF (CFSM)	1.49	1.33	1.44
ANNUAL RUNOFF (INCHES)	20.24	18.00	19.56
10 PERCENT EXCEEDS	1380	1350	1340
50 PERCENT EXCEEDS	97	141	167
90 PERCENT EXCEEDS	.64	.49	5.1

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<sup>2</sup>.

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: Jan. 2-6, 20, 27, 31, Feb. 4-14, 15-22. Records good except for periods of estimated record, which are poor. Specific conductance and temperature measurements made in conjunction with discharge measurements are published in the miscellaneous water-quality data section.

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

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	578	229	1730	686	591	1150	1080	299	126	35
2	16	14	383	219	1400	639	550	3450	2750	285	123	47
3	15	12	257	209	1250	596	515	4690	8330	486	86	53
4	14	11	250	198	1070	558	482	2800	7690	425	61	40
5	13	11	1030	186	946	573	451	1710	2810	2060	161	38
6	12	11	3380	366	775	832	418	1300	1620	1570	506	34
7	12	11	2080	6570	622	2270	368	1060	1180	594	427	22
8	11	11	886	9710	533	12300	347	869	936	433	6450	18
9	12	13	579	4930	486	18300	331	2550	1620	323	5760	18
10	12	16	1160	1830	477	19700	327	5700	2610	256	3320	17
11	13	20	6550	1330	483	13000	323	7690	1660	219	1560	16
12	13	21	9400	1700	479	5950	386	3840	2800	189	858	15
13	13	33	3800	1980	425	2950	579	3780	3830	173	549	16
14	12	28	1330	2200	525	2160	890	14100	2310	209	386	32
15	14	24	928	4490	6510	1710	697	19200	1290	178	289	33
16	15	25	743	6280	16000	1400	550	19800	926	168	229	35
17	15	33	903	6570	21200	1190	490	16500	715	143	189	160
18	18	27	937	3840	17800	1040	628	10900	580	116	157	187
19	23	23	922	2650	9830	913	1600	18100	502	92	133	114
20	41	21	732	2270	3590	827	1230	24200	454	84	115	101
21	22	21	612	1860	2150	866	5880	23200	436	91	99	98
22	19	21	522	1450	1530	895	10300	11900	398	91	87	81
23	20	20	464	1180	1250	916	8110	4620	365	205	77	66
24	22	19	420	1000	1100	856	6830	1760	393	251	67	51
25	20	17	385	841	965	791	7580	2090	439	186	59	42
26	18	16	349	699	844	721	4100	1680	1130	156	53	36
27	15	19	315	656	759	672	2190	1440	880	139	48	33
28	15	78	289	1360	726	680	1560	1170	574	113	44	29
29	18	548	271	4910	---	746	1220	1850	448	100	40	26
30	20	828	254	6520	---	697	1010	2500	373	140	37	22
31	17	---	238	2610	---	636	---	1370	---	169	35	---
TOTAL	516	1967	40947	80843	95455	96070	60533	216969	51129	9943	22131	1515
MEAN	16.6	65.6	1321	2608	3409	3099	2018	6999	1704	321	714	50.5
MAX	41	828	9400	9710	21200	19700	10300	24200	8330	2060	6450	187
MIN	11	11	238	186	425	558	323	869	365	84	35	15
CFSM	.01	.05	1.02	2.01	2.62	2.39	1.55	5.39	1.31	.25	.55	.04
IN.	.01	.06	1.17	2.32	2.73	2.75	1.73	6.21	1.46	.28	.63	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	306	1058	2409	2993	3874	3741	2823	1863	984	758	432	458					
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 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1939 - 1995

ANNUAL TOTAL	858816	678018		
ANNUAL MEAN	2353	1858	1798	
HIGHEST ANNUAL MEAN			4268	1979
LOWEST ANNUAL MEAN			473	1941
HIGHEST DAILY MEAN	28700	Mar 12	24200	May 20
LOWEST DAILY MEAN	11	Sep 22	11	Oct 8
ANNUAL SEVEN-DAY MINIMUM	11	Nov 3	11	Nov 3
INSTANTANEOUS PEAK FLOW			26200	May 20
INSTANTANEOUS PEAK STAGE			43.53	May 20
INSTANTANEOUS LOW FLOW				.40
ANNUAL RUNOFF (CFSM)	1.81	1.43	1.38	
ANNUAL RUNOFF (INCHES)	24.59	19.42	18.80	
10 PERCENT EXCEEDS	8690	5720	4740	
50 PERCENT EXCEEDS	349	502	496	
90 PERCENT EXCEEDS	15	18	26	

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	1145	0.22	483	7.3	16.0	8.2
NOV						
14...	1120	0.16	535	7.4	14.0	9.8
DEC						
13...	1130	2.7	505	7.9	3.5	12.9
JAN						
05...	1125	0.17	413	7.5	1.5	15.6
FEB						
09...	1055	1.5	274	6.6	1.0	17.7
MAR						
16...	1040	0.01	425	6.5	9.5	14.2
APR						
13...	1140	6.3	384	6.7	10.5	11.5
MAY						
15...	1145	42	386	7.1	17.0	10.4
JUL						
12...	1200	0.31	469	7.8	24.5	3.7
SEP						
19...	1220	0.53	437	7.7	17.0	9.8

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.--12.3 mi<sup>2</sup> (revised).

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: Feb. 6-14. Water-discharge records good except for periods of estimated record, which are fair.

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	.02	.36	.98	1.0	9.5	5.5	6.0	81	---	---	---	.80
2	.01	.32	.66	.98	8.5	5.0	5.8	84	---	---	---	.75
3	.00	.32	.48	.84	7.7	5.0	5.6	19	---	---	---	.62
4	.00	.29	26	.70	7.2	4.8	5.3	11	---	---	---	.46
5	.00	.29	24	.60	6.0	8.8	5.0	8.5	---	---	---	.34
6	.00	.40	5.7	26	5.6	16	5.0	6.5	---	---	---	.25
7	.00	.45	3.3	34	5.2	107	4.8	5.3	---	---	---	.19
8	.00	.41	2.1	10	4.9	264	4.6	4.5	---	---	---	.17
9	.00	.52	3.1	6.5	4.7	52	4.5	371	---	---	---	.13
10	.00	1.3	81	5.0	4.5	38	4.4	58	---	---	---	.12
11	.00	1.7	27	16	4.3	30	4.3	31	---	---	---	.10
12	.00	1.1	8.9	22	4.2	20	51	19	---	---	---	.86
13	.08	.80	5.8	10	4.0	15	19	359	---	---	---	4.2
14	.31	.67	4.0	114	3.9	13	11	---	---	---	---	.62
15	.29	.68	3.1	78	294	11	8.3	---	---	---	---	.26
16	.20	9.0	9.1	23	168	10	7.3	---	---	---	---	5.9
17	.12	3.1	21	13	35	8.9	8.7	---	---	---	---	11
18	.08	1.2	9.0	9.7	18	8.1	10	---	---	---	---	3.0
19	5.5	.65	5.6	8.4	13	7.9	8.4	---	---	---	---	1.3
20	2.9	.40	4.2	7.5	10	8.2	28	---	---	---	---	.80
21	1.5	.57	3.5	6.4	8.5	8.2	222	---	---	---	---	.72
22	.93	.60	2.9	5.4	7.2	7.7	33	---	---	---	---	.47
23	.79	.50	2.5	4.6	6.7	10	107	---	---	---	---	.38
24	.72	.41	2.2	4.2	5.9	9.9	77	---	---	---	---	.35
25	.61	.38	1.8	4.1	5.2	7.9	24	---	---	---	---	.31
26	.52	.38	1.6	3.8	5.1	7.1	14	---	---	---	---	.33
27	.45	8.5	1.3	3.7	5.2	7.9	9.6	---	---	---	---	.27
28	.41	14	1.1	158	6.1	8.0	7.2	---	---	---	---	.57
29	.38	3.8	1.0	40	---	7.2	5.9	---	---	---	---	.90
30	.34	1.9	.90	17	---	7.0	5.3	---	---	---	---	1.2
31	.34	---	.90	12	---	6.5	---	---	---	---	---	---
TOTAL	16.50	55.00	264.72	646.42	668.1	725.6	712.0	---	---	---	---	37.37
MEAN	.53	1.83	8.54	20.9	23.9	23.4	23.7	---	---	---	---	1.25
MAX	5.5	14	81	158	294	264	222	---	---	---	---	11
MIN	.00	.29	.48	.60	3.9	4.8	4.3	---	---	---	---	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

MEAN	1.94	7.44	13.2	31.0	36.4	41.7	20.8	16.1	14.8	2.12	1.14	.66
MAX	6.39	20.6	22.4	63.1	63.4	52.2	36.8	23.1	46.5	4.96	2.18	1.25
(WY)	1994	1994	1992	1994	1994	1993	1994	1994	1993	1992	1992	1995
MIN	.34	1.00	6.46	18.5	12.9	23.4	9.75	7.04	1.02	.65	.49	.20
(WY)	1993	1992	1993	1993	1992	1995	1992	1991	1994	1991	1994	1991

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

WATER YEARS 1991 - 1995

ANNUAL TOTAL	7459.13											
ANNUAL MEAN	20.4									17.8		
HIGHEST ANNUAL MEAN										23.1		1994
LOWEST ANNUAL MEAN										12.8		1992
HIGHEST DAILY MEAN			640	Feb 22						783	Feb 21	1993
LOWEST DAILY MEAN			.00	Oct 3						.00	Jul 23	1991
ANNUAL SEVEN-DAY MINIMUM			.00	Oct 3						.00	Jul 23	1991
INSTANTANEOUS PEAK FLOW										3650	Jun 11	1993
INSTANTANEOUS PEAK STAGE										12.74	Aug 7	1995
INSTANTANEOUS LOW FLOW										.00	Jul 23	1991
10 PERCENT EXCEEDS			44							32		
50 PERCENT EXCEEDS			2.5							4.2		
90 PERCENT EXCEEDS			.05							.08		

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.--12.3 mi<sup>2</sup>.

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 poor 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, 666 microsiemens, Apr. 6; minimum, 113 microsiemens, May 13.

pH: Maximum, 8.6 units, Oct. 19; minimum, 6.3 units, Mar. 9.

WATER TEMPERATURE: Maximum, 30.2°C, Aug. 1; minimum, 0.0°C, Jan. 6-7.

DISSOLVED OXYGEN: Maximum recorded, 16.8 mg/L, Feb. 12; minimum recorded, 3.1 mg/L, May 28.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	483	462	473	475	464	470	349	340	344	325	320	322
2	487	464	476	471	451	463	355	348	351	327	321	324
3	486	472	479	464	449	454	356	351	355	321	318	319
4	492	471	481	462	451	458	357	208	310	325	319	322
5	---	---	---	462	449	454	280	214	253	338	323	330
6	---	---	---	459	449	454	309	280	296	340	132	312
7	---	---	---	453	439	446	326	309	318	245	150	201
8	---	---	---	448	429	439	336	326	332	284	245	262
9	---	---	---	442	430	436	338	335	337	320	284	305
10	---	---	---	433	421	428	338	155	271	331	319	326
11	---	---	---	427	418	424	259	192	236	332	215	307
12	---	---	---	427	420	424	288	259	275	254	214	230
13	510	455	474	425	410	419	305	288	297	286	254	269
14	482	473	477	422	407	414	310	305	308	290	168	239
15	483	475	480	417	409	415	313	309	311	265	168	212
16	508	480	489	409	324	366	315	255	308	288	264	281
17	510	488	499	364	325	342	255	231	240	313	281	296
18	510	493	498	373	359	364	269	250	260	327	313	319
19	497	437	467	375	366	371	278	269	273	339	326	332
20	448	415	427	378	372	376	283	277	279	345	333	340
21	459	432	441	382	373	377	289	282	285	348	336	343
22	461	452	454	382	376	379	295	288	291	351	341	347
23	483	461	466	380	372	377	299	295	296	354	348	351
24	484	470	475	384	371	378	305	299	302	356	346	352
25	486	473	481	378	375	377	310	304	306	356	349	353
26	484	475	480	376	370	373	311	309	310	360	350	356
27	481	469	477	371	280	340	314	309	312	360	356	358
28	480	464	474	304	282	295	315	309	313	362	233	309
29	478	462	472	328	304	316	316	314	315	349	276	327
30	476	457	467	341	328	334	319	315	317	361	348	356
31	471	462	466	---	---	---	320	317	318	362	350	358
MONTH	---	---	---	475	280	399	357	155	301	362	132	312





## SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

## PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	7.5	7.6	7.7	7.6	7.7	7.5	7.4	7.5	7.8	7.7	7.7
2	7.7	7.5	7.6	7.8	7.7	7.8	7.5	7.4	7.4	7.7	7.7	7.7
3	7.7	7.5	7.6	7.7	7.4	7.6	7.4	7.3	7.4	7.7	7.7	7.7
4	7.7	7.6	7.6	7.4	7.3	7.4	8.1	7.3	7.6	7.8	7.7	7.7
5	7.8	7.7	7.7	7.3	7.2	7.2	8.2	8.0	8.1	7.7	7.5	7.7
6	7.8	7.6	7.7	7.2	7.0	7.1	8.2	8.1	8.2	7.8	7.4	7.6
7	7.7	7.6	7.6	7.1	7.0	7.1	8.2	8.1	8.1	7.4	7.2	7.3
8	7.7	7.5	7.6	7.1	6.9	7.0	8.1	7.9	7.9	7.2	7.0	7.1
9	7.8	7.5	7.7	7.0	6.7	6.8	8.2	7.8	8.0	7.1	7.1	7.1
10	7.9	7.7	7.8	7.4	6.7	6.9	8.3	7.8	8.1	7.1	7.1	7.1
11	7.9	7.6	7.8	7.0	6.8	7.0	8.2	8.0	8.1	7.3	7.0	7.1
12	7.9	7.6	7.8	7.1	6.8	7.0	8.3	8.2	8.2	7.4	7.2	7.3
13	7.9	7.8	7.8	6.8	6.7	6.8	8.3	8.2	8.2	7.2	7.1	7.2
14	7.9	7.7	7.8	6.9	6.5	6.7	8.3	8.1	8.2	7.3	7.0	7.2
15	7.7	7.6	7.7	6.9	6.6	6.8	8.2	8.0	8.1	7.5	7.2	7.4
16	7.7	7.4	7.5	7.4	6.6	6.9	8.3	8.1	8.1	7.5	7.2	7.4
17	8.5	7.4	7.5	7.6	7.4	7.5	8.2	8.1	8.1	7.2	7.1	7.2
18	8.5	8.3	8.4	7.7	7.6	7.7	8.2	8.1	8.2	7.1	7.0	7.1
19	8.6	8.3	8.5	7.8	7.7	7.7	8.2	7.9	8.0	7.0	7.0	7.0
20	8.5	8.2	8.3	7.8	7.7	7.7	8.0	7.8	7.9	7.0	6.9	7.0
21	8.6	8.2	8.3	7.8	7.7	7.7	8.1	7.8	8.0	6.9	6.9	6.9
22	8.6	8.5	8.5	7.8	7.7	7.8	8.1	7.9	8.1	7.0	6.9	7.0
23	8.5	8.2	8.4	7.7	7.7	7.7	8.1	7.9	8.0	7.0	6.9	7.0
24	8.4	8.3	8.4	7.7	7.6	7.6	8.1	7.8	7.9	7.0	6.9	6.9
25	8.5	8.3	8.4	7.6	7.6	7.6	8.1	7.8	8.0	6.9	6.9	6.9
26	8.4	8.2	8.3	7.7	7.6	7.6	8.1	8.0	8.0	6.9	6.9	6.9
27	8.3	8.0	8.2	8.0	7.6	7.8	8.1	8.0	8.1	6.9	6.9	6.9
28	8.2	8.0	8.1	8.0	7.6	7.8	8.1	8.0	8.1	7.5	6.9	7.2
29	8.3	8.1	8.2	7.9	7.6	7.7	8.1	7.9	8.0	7.4	7.2	7.3
30	8.2	7.7	8.0	7.6	7.5	7.6	8.0	7.9	8.0	7.2	7.0	7.1
31	7.7	7.6	7.6	---	---	---	8.0	7.8	7.8	7.0	7.0	7.0
MONTH	8.6	7.4	7.9	8.0	6.5	7.4	8.3	7.3	8.0	7.8	6.9	7.2
	FEBRUARY			MARCH			APRIL			MAY		
1	7.0	6.9	6.9	7.7	7.2	7.5	7.7	7.6	7.6	8.1	7.6	7.9
2	6.9	6.9	6.9	---	---	---	7.6	7.4	7.5	8.0	7.6	7.8
3	6.9	6.9	6.9	---	---	---	7.5	6.5	7.4	8.2	7.7	7.9
4	6.9	6.8	6.9	---	---	---	7.4	6.8	7.3	8.2	7.7	7.9
5	6.9	6.9	6.9	---	---	---	7.3	6.5	7.1	8.3	7.8	8.0
6	6.9	6.9	6.9	---	---	---	7.2	7.0	7.1	8.3	7.8	8.0
7	6.9	6.8	6.9	---	---	---	7.2	6.9	7.0	8.2	7.8	8.0
8	6.8	6.8	6.8	---	---	---	7.3	7.0	7.1	8.1	7.8	8.0
9	6.8	6.8	6.8	7.6	6.3	7.2	7.4	7.1	7.2	7.9	7.3	7.6
10	6.9	6.8	6.8	7.7	6.8	7.4	7.4	7.2	7.3	7.7	7.5	7.7
11	6.9	6.9	6.9	7.9	7.3	7.6	7.6	7.2	7.4	7.9	7.7	7.8
12	6.9	6.9	6.9	8.0	7.5	7.7	7.4	7.2	7.3	8.1	7.8	7.9
13	6.9	6.9	6.9	8.1	7.5	7.8	8.2	7.3	7.7	8.0	7.5	7.7
14	6.9	6.9	6.9	8.0	7.5	7.8	8.3	8.0	8.1	7.7	7.5	7.6
15	7.1	6.9	7.0	8.0	7.5	7.7	8.4	8.0	8.2	7.9	7.7	7.8
16	7.0	7.0	7.0	8.0	7.5	7.7	8.3	8.1	8.2	8.0	7.8	7.9
17	7.1	7.0	7.0	7.8	7.5	7.7	8.2	7.9	8.1	7.9	7.4	7.6
18	7.1	7.0	7.0	7.7	7.4	7.6	8.3	7.9	8.1	7.6	7.4	7.6
19	7.0	6.9	7.0	7.6	7.4	7.5	8.3	8.0	8.1	7.9	7.8	7.8
20	6.9	6.9	6.9	7.5	7.3	7.5	8.2	7.9	8.1	8.0	7.8	7.9
21	6.9	6.9	6.9	7.8	7.5	7.6	7.9	7.7	7.8	8.0	7.8	7.9
22	6.9	6.9	6.9	7.9	7.6	7.8	8.2	7.8	8.0	8.1	7.9	8.0
23	6.9	6.8	6.8	8.4	7.7	8.0	8.1	7.7	8.0	8.1	7.9	8.0
24	6.9	6.8	6.9	8.4	8.1	8.2	8.0	7.8	7.9	8.2	7.9	8.0
25	6.9	6.9	6.9	8.3	7.5	8.1	8.2	7.8	7.9	8.1	7.9	8.0
26	6.9	6.9	6.9	8.2	7.0	8.0	8.3	7.8	8.0	8.0	7.6	7.8
27	7.5	6.9	7.1	8.1	7.8	8.0	8.2	7.9	8.0	8.0	7.7	7.8
28	7.6	7.2	7.4	8.0	7.4	7.9	8.3	5.5	8.0	7.8	7.5	7.7
29	---	---	---	7.9	6.8	7.7	8.3	7.9	8.1	8.0	7.6	7.7
30	---	---	---	7.8	5.7	7.7	8.3	7.9	8.1	8.0	7.7	7.9
31	---	---	---	7.8	6.3	7.7	---	---	---	8.0	7.7	7.8
MONTH	7.6	6.8	6.9	---	---	---	8.4	5.5	7.7	8.3	7.3	7.8

## SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.1	6.8	7.0	---	---	---
2	---	---	---	---	---	---	7.1	6.8	7.0	---	---	---
3	---	---	---	---	---	---	7.0	6.7	6.9	---	---	---
4	---	---	---	---	---	---	6.9	6.8	6.9	---	---	---
5	---	---	---	---	---	---	7.0	6.8	6.9	---	---	---
6	---	---	---	---	---	---	7.0	6.7	6.9	---	---	---
7	---	---	---	---	---	---	6.8	6.5	6.7	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	7.2	6.8	7.1	---	---	---	---	---	---
20	---	---	---	6.8	6.5	6.7	---	---	---	---	---	---
21	---	---	---	6.7	6.6	6.6	---	---	---	---	---	---
22	---	---	---	6.6	6.3	6.5	---	---	---	---	---	---
23	---	---	---	6.5	6.3	6.4	---	---	---	---	---	---
24	---	---	---	6.4	6.3	6.4	---	---	---	---	---	---
25	---	---	---	6.4	6.3	6.4	---	---	---	---	---	---
26	---	---	---	6.6	6.4	6.4	---	---	---	6.8	6.7	6.8
27	---	---	---	6.6	6.5	6.6	---	---	---	6.7	6.6	6.7
28	---	---	---	6.7	6.5	6.6	---	---	---	6.7	6.6	6.7
29	---	---	---	6.9	6.6	6.7	---	---	---	6.7	6.6	6.7
30	---	---	---	6.9	6.6	6.8	---	---	---	6.8	6.6	6.7
31	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	14.2	17.4	13.9	9.2	11.4	5.3	1.8	3.4	7.1	5.2	6.7
2	21.7	16.1	18.9	11.5	7.3	9.4	5.6	1.5	3.5	5.2	2.1	3.5
3	19.2	15.1	17.5	13.4	8.7	10.9	8.2	3.7	5.5	2.1	.7	1.4
4	17.3	11.7	14.3	14.6	12.2	13.4	11.7	8.2	9.7	2.3	.7	1.4
5	---	---	---	15.8	13.3	14.5	12.7	11.6	12.2	1.8	.6	1.1
6	---	---	---	15.8	12.6	14.8	12.5	11.8	12.2	.8	.0	.3
7	---	---	---	13.6	10.5	12.1	12.1	10.5	11.6	2.4	.0	1.5
8	---	---	---	13.7	10.1	11.9	10.5	8.3	8.9	3.1	1.5	2.4
9	---	---	---	15.4	12.4	14.0	9.7	8.3	8.9	3.8	1.9	2.9
10	---	---	---	15.2	11.6	13.4	9.1	8.1	8.6	4.6	1.9	3.2
11	---	---	---	11.6	9.3	10.4	8.2	5.7	6.9	7.8	4.6	6.2
12	---	---	---	10.0	8.5	9.4	5.9	4.1	5.1	11.4	7.8	9.8
13	15.3	13.3	14.3	12.1	8.0	10.0	5.2	2.9	4.2	11.8	9.9	10.9
14	16.8	14.5	15.6	13.9	10.0	11.9	5.4	2.5	3.8	11.0	9.8	10.4
15	17.1	13.8	15.6	13.6	12.5	13.1	5.2	2.4	3.7	9.9	8.4	9.2
16	19.3	14.4	16.6	12.5	11.5	12.0	8.6	5.2	6.4	8.4	7.1	7.7
17	18.0	13.7	15.8	12.8	10.7	11.7	9.1	7.2	8.5	8.1	6.8	7.4
18	15.7	14.2	15.0	12.1	8.9	10.4	7.2	5.3	5.9	8.2	6.5	7.4
19	15.6	14.9	15.3	10.8	7.8	9.5	5.7	3.7	4.7	9.1	8.1	8.5
20	19.3	15.1	16.7	12.0	9.7	10.8	5.1	2.0	3.5	8.2	4.7	6.3
21	16.9	13.1	15.2	15.1	11.9	13.2	5.0	2.2	3.6	4.7	3.0	3.9
22	15.0	13.6	14.2	12.4	7.7	9.6	8.0	4.6	6.1	3.7	1.8	2.7
23	17.3	14.2	15.3	7.7	4.9	6.0	7.0	5.2	6.1	2.6	1.4	1.9
24	15.4	12.4	13.9	5.4	4.1	4.7	6.1	5.1	5.5	2.7	1.0	1.7
25	14.1	10.9	12.5	5.6	4.7	5.2	6.8	4.5	5.5	2.1	.9	1.5
26	11.1	8.7	10.0	6.5	5.0	5.8	4.8	2.6	3.6	2.5	.9	1.7
27	10.2	6.7	8.5	11.9	6.5	8.6	5.1	3.3	4.1	1.8	.9	1.2
28	10.4	6.3	8.5	12.4	7.6	10.5	5.1	1.5	3.3	4.7	1.8	3.3
29	11.0	6.7	9.0	8.0	5.1	6.6	4.9	2.8	3.9	4.6	4.0	4.3
30	13.3	7.5	10.4	6.7	3.7	5.1	5.4	2.9	4.1	4.1	3.2	3.8
31	14.5	12.1	13.1	---	---	---	6.8	5.3	5.9	3.3	1.2	2.5
MONTH	---	---	---	15.8	3.7	10.3	12.7	1.5	6.1	11.8	.0	4.4



## SALT RIVER BASIN

03301580 WILSON CREEK NEAR DEATSVILLE, KY--Continued

## OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.7	7.3	7.5	9.4	9.2	9.3	13.0	12.8	12.8
2	---	---	---	7.6	7.2	7.4	9.5	9.3	9.4	13.0	12.8	12.9
3	---	---	---	7.8	7.5	7.6	9.6	9.4	9.5	13.1	13.0	13.0
4	---	---	---	8.4	7.2	7.9	9.7	9.5	9.6	13.2	13.0	13.1
5	---	---	---	8.4	7.7	8.1	9.8	9.6	9.7	13.3	12.3	13.1
6	---	---	---	8.7	7.8	8.4	10.9	9.8	9.9	12.9	11.4	12.1
7	---	---	---	8.7	7.9	8.5	10.0	9.8	9.9	11.5	10.1	10.7
8	---	---	---	8.8	8.4	8.6	10.1	9.9	10.0	11.5	9.9	10.6
9	---	---	---	8.8	8.2	8.6	10.2	10.0	10.2	11.7	9.8	10.6
10	---	---	---	8.9	8.7	8.8	10.4	10.2	10.3	10.6	9.4	10.1
11	---	---	---	---	---	---	10.5	10.3	10.4	10.1	9.1	9.6
12	---	---	---	---	---	---	10.7	10.5	10.6	10.0	8.7	9.5
13	---	---	---	---	---	---	10.9	10.7	10.8	10.2	8.6	9.2
14	6.0	5.8	5.9	---	---	---	11.1	10.8	10.9	10.5	8.6	9.5
15	6.1	5.9	6.0	---	---	---	11.1	10.9	11.0	10.6	9.4	10.3
16	6.3	6.0	6.1	---	---	---	11.2	11.0	11.1	11.0	10.2	10.5
17	---	---	---	8.4	8.1	8.4	11.3	11.0	11.1	10.9	9.8	10.3
18	---	---	---	8.3	8.2	8.2	11.2	11.0	11.1	11.0	9.7	10.3
19	---	---	---	8.3	8.1	8.2	11.4	11.1	11.3	10.3	9.4	9.8
20	---	---	---	8.5	8.2	8.3	11.5	11.3	11.4	10.9	9.7	10.3
21	---	---	---	8.7	8.3	8.5	11.7	11.5	11.5	11.8	10.4	11.1
22	---	---	---	8.8	8.6	8.7	11.8	11.6	11.7	12.3	11.0	11.6
23	---	---	---	8.8	8.7	8.7	11.9	11.7	11.8	12.1	11.1	11.6
24	---	---	---	8.8	8.6	8.7	11.9	11.8	11.9	12.4	11.2	11.7
25	---	---	---	8.8	8.7	8.7	12.0	11.8	11.9	13.0	11.7	12.4
26	6.6	6.5	6.6	8.8	8.7	8.8	12.1	11.9	12.0	12.9	11.8	12.4
27	6.7	6.5	6.6	8.9	8.8	8.9	12.2	12.0	12.2	13.2	11.9	12.6
28	6.8	6.6	6.7	9.1	8.9	9.0	12.4	12.2	12.3	14.2	12.0	13.4
29	6.9	6.7	6.8	9.2	9.0	9.1	12.6	12.4	12.4	14.2	13.3	14.0
30	7.3	6.9	7.1	9.2	9.1	9.2	12.7	12.5	12.5	14.1	13.4	13.7
31	7.8	6.9	7.4	---	---	---	12.8	12.6	12.7	14.3	13.3	13.8
MONTH	---	---	---	---	---	---	12.8	9.2	11.0	17.2	8.6	11.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.6	12.5	13.2	11.5	7.8	8.9	10.6	8.6	9.6	10.2	8.5	9.4
2	13.7	12.5	13.0	11.2	8.6	9.9	12.2	8.6	10.7	10.5	9.1	9.8
3	14.2	12.7	13.4	11.5	9.4	10.3	17.1	11.4	15.0	11.2	8.9	10.0
4	14.3	12.7	13.4	11.4	9.0	10.2	---	---	---	11.1	8.8	9.7
5	14.8	13.4	14.0	10.1	8.5	9.1	---	---	---	11.5	8.6	10.0
6	15.3	13.7	14.5	9.9	8.5	9.1	---	---	---	11.8	8.5	10.0
7	15.1	14.2	14.6	9.5	8.1	8.7	---	---	---	11.4	8.0	9.5
8	15.7	14.3	14.9	9.8	8.9	9.6	9.6	4.0	5.5	11.3	7.7	9.2
9	15.6	14.6	15.0	10.7	9.6	10.1	5.3	3.4	4.2	9.0	7.5	8.3
10	15.3	14.6	14.9	10.9	9.5	10.2	5.5	2.7	3.9	9.5	8.8	9.1
11	15.8	15.0	15.4	11.2	9.2	10.2	6.0	2.4	4.2	9.8	8.9	9.4
12	16.8	15.3	16.0	11.5	9.1	10.2	12.1	4.5	7.1	10.4	8.9	9.7
13	16.4	15.2	15.8	11.8	8.9	10.3	11.0	7.7	9.4	9.6	8.9	9.2
14	16.4	15.1	15.8	11.9	8.8	10.2	10.9	8.6	9.8	9.2	8.6	9.0
15	---	---	---	12.1	8.8	10.3	10.9	8.5	9.7	9.4	8.6	8.9
16	16.8	13.4	16.1	12.6	8.9	10.4	10.5	7.6	9.2	9.6	8.7	9.2
17	16.1	15.0	15.7	12.1	9.0	10.3	10.0	7.4	8.4	---	---	---
18	15.7	13.7	14.9	12.4	9.1	10.5	9.7	7.4	8.4	---	---	---
19	15.1	13.2	14.3	12.4	9.4	10.6	9.9	7.4	8.4	9.3	8.2	8.6
20	13.9	12.6	13.4	11.5	9.3	10.2	9.6	7.4	8.4	9.3	7.6	8.5
21	12.9	12.3	12.6	12.3	9.5	10.7	8.9	8.3	8.6	9.3	7.9	8.4
22	12.8	10.8	12.2	12.4	9.4	10.6	9.9	8.5	9.2	9.0	7.2	8.2
23	10.8	9.0	9.8	12.4	9.4	10.6	9.9	8.9	9.5	8.9	6.6	7.9
24	10.0	8.2	8.8	11.3	9.0	10.2	10.3	8.9	9.6	8.5	6.3	7.4
25	8.7	8.2	8.3	11.5	8.9	10.1	10.6	8.8	9.7	8.2	5.8	6.9
26	11.1	8.4	9.0	11.2	8.6	9.9	11.0	8.4	9.7	6.9	3.6	5.5
27	10.2	7.3	8.9	10.0	8.4	9.1	10.8	8.6	9.6	7.3	3.9	5.3
28	9.2	7.1	7.9	10.5	8.5	9.4	11.6	8.5	10.0	9.2	3.1	4.5
29	---	---	---	10.4	8.6	9.6	11.5	8.2	9.8	6.2	3.3	4.6
30	---	---	---	10.5	8.7	9.6	10.7	8.1	9.4	7.3	4.8	5.6
31	---	---	---	10.7	8.9	9.8	---	---	---	6.4	4.2	5.2
MONTH	18.2	7.1	13.3	12.6	7.8	10.0	---	---	---	---	---	---

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM-FLOW INSTANTANEOUS (FT <sup>3</sup> /S)	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
03...	1010	--	685	6.8	18.0	3.6
31...	0935	1.1	698	6.7	14.0	8.2
DEC						
05...	1050	23	562	7.1	13.5	8.4
JAN						
04...	1125	1.3	695	7.0	1.0	15.8
FEB						
01...	0950	9.5	482	6.5	7.5	11.0
MAR						
06...	1005	14	676	5.9	9.0	9.9
APR						
03...	1110	1.9	484	6.8	11.5	9.3
MAY						
01...	0925	2.9	631	6.8	13.5	9.8
JUN						
26...	1025	5.2	302	6.8	23.5	4.2
SEP						
11...	1150	0.60	659	7.3	21.0	4.2

## 03301885 SLOP DITCH NEAR OKOLONA, KY

## WATER-QUALITY RECORDS

LOCATION.--Lat 38°08'40", long 85°43'15", Jefferson County, Hydrologic Unit 05140102, at bridge on service road at Outer Loop landfill.

DRAINAGE AREA.--1.4 mi<sup>2</sup>

PERIOD OF RECORD.--April 1994 to present.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM-FLOW INSTANTANEOUS (FT <sup>3</sup> /S)	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)
OCT						
11...	1315	0.32	320	6.7	17.5	4.9
NOV						
07...	1220	0.56	281	6.5	14.0	5.2
Dec						
12...	1335	3.6	610	6.3	4.5	7.1
JAN						
10...	0830	0.69	758	6.4	0.5	13.3
FEB						
06...	1235	0.50	622	6.4	2.5	17.5
MAR						
13...	1215	0.86	782	6.0	17.5	12.4
APR						
10...	1245	0.16	935	7.6	20.5	15.4
MAY						
09...	1215	48	260	6.9	21.5	5.7
JUL						
10...	1250	0.16	579	7.7	30.0	6.2
SEP						
18...	1300	0.70	346	7.1	21.0	7.2

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	1130	1.5	677	7.3	14.5	9.3
NOV						
10...	0940	2.7	539	7.0	13.0	8.7
DEC						
07...	1248	4.1	731	7.6	13.0	7.6
JAN						
11...	1200	3.6	776	7.6	10.0	9.4
FEB						
16...	1045	19	564	5.9	7.0	11.1
MAR						
08...	1215	21	486	6.3	7.5	12.6
APR						
05...	1220	1.7	651	7.1	9.5	18.2
MAY						
16...	0955	10	647	7.0	15.5	7.7
JUL						
06...	1010	3.8	614	7.1	21.0	7.5
SEP						
18...	1135	1.7	690	7.8	17.5	8.6

## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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						
03...	1130	3.3	626	7.5	18.0	13.2
NOV						
02...	0805	2.7	696	6.7	6.5	11.2
DEC						
05...	0940	30	477	6.7	13.5	9.6
JAN						
04...	1000	6.5	642	6.8	0.0	14.8
FEB						
16...	1205	64	467	5.6	6.0	11.6
MAR						
06...	1130	14	624	6.3	10.5	13.5
APR						
03...	0940	7.4	477	8.3	10.5	14.7
MAY						
16...	1120	29	554	7.3	17.0	9.0
JUL						
06...	1145	11	477	7.1	23.0	8.3
SEP						
11...	1000	2.3	637	8.0	18.0	10.5



## 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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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						
03...	1055	--	717	7.2	17.0	7.5
31...	0820	0.57	709	6.8	16.0	4.4
DEC						
05...	0810	8.6	345	6.6	14.5	7.2
JAN						
04...	0840	0.58	478	7.5	1.0	10.4
FEB						
01...	0820	2.2	431	6.9	7.0	9.3
MAR						
06...	1220	2.1	633	6.6	12.5	13.2
APR						
03...	0845	0.60	550	7.3	9.0	9.9
MAY						
01...	0820	0.50	851	6.4	11.5	11.1
JUN						
26...	0905	2.0	550	6.9	22.5	7.1
SEP						
11...	0835	0.02	721	7.6	17.0	5.3

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<sup>2</sup>.

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: Jan. 4-6, 24, 25, and Feb. 4-14. Water-discharge records good, except for periods of estimated record, which are fair.

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 1994 TO SEPTEMBER 1995--DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	9.1	15	13	49	17	13	231	41	14	6.3	4.5
2	6.7	8.9	13	13	40	15	13	419	76	10	13	3.2
3	7.4	7.9	11	12	32	15	12	111	40	9.3	7.3	2.9
4	6.7	8.1	252	12	28	13	14	65	20	9.0	6.7	3.5
5	6.1	19	223	11	25	74	14	48	17	424	319	2.9
6	5.6	33	59	164	22	73	11	33	14	84	289	2.9
7	5.8	9.8	35	138	20	116	13	25	12	43	51	3.2
8	6.0	7.8	25	50	18	702	12	21	10	24	236	3.9
9	36	50	186	36	17	200	11	402	8.4	18	264	4.0
10	15	62	384	27	16	124	9.9	137	7.6	14	178	4.0
11	8.3	18	186	129	16	87	8.9	70	22	13	35	4.3
12	7.2	11	81	108	15	65	81	45	77	12	21	5.0
13	15	8.7	52	59	14	51	21	450	12	9.5	14	4.5
14	18	8.2	37	449	12	42	12	1290	7.7	8.4	11	3.9
15	9.2	28	30	308	669	36	9.8	224	5.3	7.8	10	3.9
16	7.1	239	162	115	694	30	8.1	145	4.9	7.5	10	48
17	6.8	54	169	72	183	27	48	1880	5.5	7.4	8.5	43
18	14	23	73	53	112	23	23	3060	5.2	7.0	24	8.5
19	255	15	48	77	84	22	17	1900	4.9	6.8	39	5.0
20	49	12	38	58	61	40	64	265	4.9	6.0	9.3	15
21	20	32	30	39	48	46	434	167	20	6.2	6.6	8.1
22	13	16	25	29	36	26	106	119	43	52	5.1	5.5
23	11	10	22	26	35	23	180	84	6.0	93	5.6	4.2
24	10	9.1	21	23	28	20	312	72	5.9	150	5.7	4.0
25	9.4	20	19	19	22	16	110	70	67	18	5.5	3.8
26	8.2	17	17	16	21	15	59	44	193	14	5.3	4.0
27	7.6	167	16	16	20	24	41	83	25	9.4	5.4	3.5
28	7.7	204	16	497	21	20	30	242	17	12	5.2	3.3
29	7.7	43	16	193	---	19	23	79	56	8.0	5.3	3.1
30	7.6	22	14	95	---	15	21	41	29	7.1	4.5	3.0
31	8.2	---	14	61	---	13	---	29	---	6.6	4.1	---
TOTAL	602.2	1172.6	2289	2918	2358	2009	1731.7	11851	857.3	1111.0	1610.4	218.6
MEAN	19.4	39.1	73.8	94.1	84.2	64.8	57.7	382	28.6	35.8	51.9	7.29
MAX	255	239	384	497	694	702	434	3060	193	424	319	48
MIN	5.6	7.8	11	11	12	13	8.1	21	4.9	6.0	4.1	2.9
CFSM	.30	.61	1.15	1.47	1.32	1.01	.90	5.97	.45	.56	.81	.11
IN.	.35	.68	1.33	1.70	1.37	1.17	1.01	6.89	.50	.65	.94	.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)
MEAN	27.3	59.7	98.1	129	161	180	134	106	60.3	46.7	35.5	31.8
MAX	117	256	310	614	454	738	551	505	304	282	186	399
(WY)	1976	1974	1979	1950	1989	1964	1970	1983	1950	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 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1944 - 1995

ANNUAL TOTAL	24129.2	28728.8										
ANNUAL MEAN	66.1	78.7								88.8		
HIGHEST ANNUAL MEAN										159		1950
LOWEST ANNUAL MEAN										11.4		1954
HIGHEST DAILY MEAN	1000	Jan 28				3060	May 18		6340	Mar 10	1964	
LOWEST DAILY MEAN	5.6	Jul 20				2.9	Sep 3		.10	Sep 3	1945	
ANNUAL SEVEN-DAY MINIMUM	6.3	Oct 2				3.2	Sep 2		.19	Sep 17	1945	
INSTANTANEOUS PEAK FLOW						3850	May 18		8020	Mar 9	1964	
INSTANTANEOUS PEAK STAGE						19.00	May 18		22.69	Mar 9	1964	
INSTANTANEOUS LOW FLOW						2.9	Sep 3		.10	Sep 3	1945	
ANNUAL RUNOFF (CFSM)	1.03					1.23			1.39			
ANNUAL RUNOFF (INCHES)	14.03					16.70			18.85			
10 PERCENT EXCEEDS	173					181			186			
50 PERCENT EXCEEDS	20					19			26			
90 PERCENT EXCEEDS	6.8					5.5			5.6			

## 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 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, 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, 1992.

DISSOLVED OXYGEN: Maximum, 20.1 mg/L, June 30, 1991; minimum, 0.7 mg/L, July 3, 1991.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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						
03...	0815	8.2	690	7.6	19.0	7.0
31...	1050	7.7	729	7.9	16.0	9.9
DEC						
05...	1220	131	474	6.6	13.5	7.8
JAN						
04...	1310	13	710	8.1	1.5	16.2
FEB						
01...	1115	47	384	6.6	3.0	11.8
MAR						
06...	0830	70	509	6.2	9.0	7.9
APR						
03...	1215	11	564	7.1	13.0	9.6
MAY						
01...	1045	21	665	6.7	14.0	8.1
JUN						
26...	1130	65	363	6.7	24.0	5.6
SEP						
11...	1300	3.7	772	8.1	23.0	--

## SALT RIVER BASIN

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<sup>2</sup>.

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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	0810	9.1	652	7.1	14.5	8.2
NOV						
01...	0900	6.9	633	6.8	11.0	9.2
DEC						
06...	0835	68	496	6.6	12.5	8.0
JAN						
09...	0845	36	715	7.6	0.5	11.7
FEB						
02...	0825	46	457	5.9	5.0	11.6
MAR						
20...	0820	27	546	6.8	14.0	10.1
APR						
04...	0835	15	510	6.9	12.5	8.8
MAY						
02...	0845	715	289	6.3	11.5	8.3
JUN						
27...	0855	33	342	6.3	23.5	5.7
SEP						
12...	0910	3.1	701	7.5	21.0	5.9

## SALT RIVER 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<sup>2</sup>.

PERIOD OF RECORD.--January 1993 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 1994 TO SEPTEMBER 1995

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (FT <sup>3</sup> /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...	0920	17	550	7.4	15.0	9.4
NOV						
14...	0850	19	483	7.3	13.0	11.0
DEC						
13...	0910	125	428	7.6	6.0	11.4
JAN						
05...	0910	15	353	7.2	0.0	16.0
FEB						
09...	0845	41	267	6.5	1.0	16.2
MAR						
16...	0830	115	434	6.3	10.5	11.3
APR						
13...	0915	48	472	7.1	12.0	11.5
MAY						
15...	0900	--	386	7.0	18.5	9.3
JUL						
12...	0930	43	464	8.2	21.5	7.8
SEP						
19...	0945	21	446	7.9	15.5	10.1

## 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<sup>2</sup>, 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 ft<sup>3</sup>/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 1994 TO SEPTEMBER 1995

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31000	9340	108000	47500	162000	131000	63000	92200	130000	110000	22900	24300
2	39200	33000	96700	27600	142000	153000	58400	97000	121000	109000	20300	18400
3	46200	67100	80400	36500	130000	181000	45500	126000	130000	98300	36900	9780
4	47400	68500	61300	44500	128000	193000	37900	168000	136000	99000	32800	9170
5	46200	52400	86400	52900	131000	200000	42200	193000	132000	87700	26100	15400
6	40100	33300	93600	49500	137000	183000	41200	190000	134000	70800	95000	18400
7	28500	60100	114000	59800	146000	169000	55000	165000	136000	60300	164000	11400
8	15800	46600	132000	107000	134000	204000	59700	144000	126000	37600	178000	15200
9	31200	38600	134000	158000	96400	283000	69300	135000	98200	46900	167000	24300
10	28800	59600	152000	173000	84400	294000	67300	149000	89600	22800	149000	11500
11	23100	59700	162000	164000	89300	287000	70100	152000	103000	53900	136000	11900
12	29400	59000	194000	135000	68300	273000	93400	154000	115000	14300	124000	14800
13	24100	52300	224000	125000	84000	273000	103000	177000	130000	15800	104000	12200
14	18600	57300	225000	129000	52500	272000	121000	215000	172000	23800	94400	24400
15	25200	66000	200000	142000	72700	271000	119000	248000	195000	33200	52200	33100
16	30000	59300	164000	178000	166000	256000	120000	283000	186000	22100	39900	13000
17	26700	65400	143000	245000	217000	231000	113000	283000	142000	50000	48200	23200
18	24000	47000	128000	297000	255000	195000	99900	406000	68100	31900	41900	30400
19	24300	41300	112000	325000	282000	159000	94900	460000	51400	37700	61500	21900
20	27100	31600	107000	357000	284000	132000	90000	493000	58900	38500	42000	18500
21	26600	30500	99100	351000	274000	111000	112000	508000	49900	22500	38100	24400
22	18200	43200	93700	268000	248000	102000	151000	517000	66200	28400	47300	20300
23	15400	46800	78000	285000	200000	99500	157000	519000	46700	31500	27500	24200
24	33000	58500	69300	291000	176000	97300	152000	500000	54700	27800	12900	20900
25	25200	58200	74100	286000	168000	99000	156000	451000	77800	28900	16200	21000
26	21000	58400	60600	256000	156000	101000	177000	406000	63900	35300	27600	18000
27	21100	50200	53100	220000	149000	92300	172000	356000	71600	22300	33000	10800
28	31500	52100	51900	199000	147000	78400	151000	266000	78600	43800	3180	12300
29	31300	68100	41900	182000	---	68800	126000	214000	78200	61400	10700	18300
30	22200	102000	41400	191000	---	63800	108000	184000	107000	52900	31700	28800
31	21100	---	52400	183000	---	67400	---	156000	---	31800	14100	---
TOTAL	873500	1575440	3432900	5565300	4379600	5320500	3025800	8407200	3148800	1450200	1898380	560250
MEAN	28180	52510	110700	179500	156400	171600	100900	271200	105000	46780	61240	18670
MAX	47400	102000	225000	357000	284000	294000	177000	519000	195000	110000	178000	33100
MIN	15400	9340	41400	27600	52500	63800	37900	92200	46700	14300	3180	9170

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1995, BY WATER YEAR (WY)

MEAN	60370	95190	163700	163500	202900	230900	205800	151900	95770	66180	54460	43990
MAX	155800	222400	334000	368700	358600	347400	360400	374700	235400	105200	148200	186500
(WY)	1980	1986	1979	1991	1994	1979	1994	1983	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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1976 - 1995	
ANNUAL TOTAL	55014540		39637870			
ANNUAL MEAN	150700		108600		127500	
HIGHEST ANNUAL MEAN					188900	
LOWEST ANNUAL MEAN					72150	
HIGHEST DAILY MEAN	522000	Feb 1	519000	May 23	617000	Dec 15 1978
LOWEST DAILY MEAN	9340	Nov 1	3180	Aug 28	3180	Aug 28 1995
ANNUAL SEVEN-DAY MINIMUM	22500	Oct 26	14000	Sep 2	7650	Jul 12 1988
INSTANTANEOUS PEAK STAGE			44.32	May 23	49.08	Dec 15 1978
10 PERCENT EXCEEDS	411000		246000		282000	
50 PERCENT EXCEEDS	73000		78200		90500	
90 PERCENT EXCEEDS	30000		21600		23300	

GREEN RIVER BASIN

03307000 RUSSELL CREEK NEAR COLUMBIA, KY

LOCATION.--Lat 37°07'09", long 85°23'38", Adair County, Hydrologic Unit 05110001, on left bank at downstream side of bridge on State Highway 61, 0.3 mi upstream from Butlers Fork, 5.0 mi west of Columbia, and at mile 26.9. Records include flow of Butlers Fork.

DRAINAGE AREA.--188 mi<sup>2</sup> (includes Butlers Fork), of which about 15 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1939 to current year. Prior to December 1939, monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1940. WSP 1335: 1953. WSP 1555: Drainage area. WRD KY-75-1: 1949(M), 1952(M), 1955(M), 1962(M), 1967(M), 1974(M).

GAGE.--Water-stage recorder. Datum of gage is 610.96 ft above sea level. Prior to June 25, 1953, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Dec. 27-Jan. 4, Feb. 1-13, and Aug. 13-31. 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in Jan. 1937 reached a stage of about 23 ft, from info. by local residents.

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	29	28	154	60	185	138	69	248	271	185	29	5.0
2	28	29	116	58	165	119	66	679	1020	113	28	4.4
3	26	29	97	56	150	112	62	406	602	87	27	3.8
4	25	27	363	52	135	109	59	283	392	85	26	3.4
5	23	27	917	54	120	153	56	224	291	251	25	3.2
6	21	29	415	1090	110	358	52	175	238	131	24	3.1
7	21	33	284	2170	105	737	52	143	214	106	24	2.9
8	20	33	206	738	100	5790	50	123	196	70	57	2.8
9	27	32	165	466	95	2440	50	1700	223	53	81	2.8
10	49	34	678	348	90	1150	51	1630	164	44	41	2.9
11	47	40	1240	309	85	802	48	548	224	40	56	2.8
12	33	38	565	434	82	548	66	365	1100	39	35	3.1
13	370	31	387	357	80	407	102	1280	435	36	23	4.1
14	336	29	291	515	101	330	76	9720	278	34	18	4.5
15	130	27	228	1400	2890	274	65	4240	205	32	15	5.1
16	80	28	193	1390	2270	232	62	1110	162	43	12	11
17	58	30	205	793	1340	197	625	1140	136	40	11	42
18	46	33	189	527	767	168	524	3850	120	36	9.6	46
19	44	29	159	422	526	149	235	7950	110	40	8.2	23
20	43	26	138	447	411	143	400	1220	112	35	7.2	13
21	42	25	124	367	339	219	1680	717	121	32	6.7	9.3
22	38	24	117	299	269	187	650	490	103	30	6.2	9.4
23	37	22	112	254	229	153	679	376	95	29	5.7	8.3
24	36	20	105	216	196	127	1340	299	89	28	5.4	7.3
25	32	19	96	181	166	108	563	243	241	32	5.0	6.6
26	30	20	87	165	151	97	366	255	566	35	4.7	9.5
27	28	57	76	150	138	98	272	205	190	35	4.6	14
28	27	1640	73	242	143	98	216	730	123	34	4.4	19
29	27	464	69	380	---	85	170	549	98	33	4.2	14
30	26	239	66	275	---	79	154	334	101	32	4.0	9.9
31	27	---	63	227	---	74	---	247	---	30	3.8	---
TOTAL	1806	3142	7978	14442	11438	15681	8860	41479	8220	1850	611.7	296.2
MEAN	58.3	105	257	466	408	506	295	1338	274	59.7	19.7	9.87
MAX	370	1640	1240	2170	2890	5790	1680	9720	1100	251	81	46
MIN	20	19	63	52	80	74	48	123	89	28	3.8	2.8
CFSM	.31	.56	1.37	2.48	2.17	2.69	1.57	7.12	1.46	.32	.10	.05
IN.	.36	.62	1.58	2.86	2.26	3.10	1.75	8.21	1.63	.37	.12	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

MEAN	73.3	209	423	480	596	575	398	279	179	131	89.8	114
MAX	636	1047	2540	1779	1588	1787	855	1464	800	751	502	1114
(WY)	1976	1952	1979	1950	1989	1975	1972	1983	1950	1967	1967	1979
MIN	1.38	8.92	18.6	26.5	61.1	91.0	70.1	39.8	14.6	10.0	4.25	2.09
(WY)	1954	1954	1954	1981	1941	1941	1986	1941	1988	1944	1991	195

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1940 - 1995	
ANNUAL TOTAL	157080		115803.9			
ANNUAL MEAN	430		317		294	
HIGHEST ANNUAL MEAN					651	
LOWEST ANNUAL MEAN					118	
HIGHEST DAILY MEAN	8690	Mar 9	9720	May 14	25000	Dec 9 1978
LOWEST DAILY MEAN	19	Nov 25	2.8	Sep 8	.40	Sep 25 1952
ANNUAL SEVEN-DAY MINIMUM	22	Nov 20	2.9	Sep 6	.47	Oct 19 1953
INSTANTANEOUS PEAK FLOW			18100	May 14	40600	Sep 1 1982
INSTANTANEOUS PEAK STAGE			20.93	May 14	26.12	Sep 1 1982
INSTANTANEOUS LOW FLOW					5.7	Sep 2 1993
ANNUAL RUNOFF (CFSM)	2.29		1.69		1.56	
ANNUAL RUNOFF (INCHES)	31.08		22.91		21.25	
10 PERCENT EXCEEDS	1070		678		632	
50 PERCENT EXCEEDS	155		98		101	
90 PERCENT EXCEEDS	28		11		15	

## GREEN RIVER BASIN

03307260 LITTLE PITMAN CREEK NEAR CAMPBELLSVILLE, KY

LOCATION.--Lat 37°20'50", long 85°23'25", Taylor County, Hydrologic Unit 05110001, on right bank at bridge on county road 323, 0.6 mi downstream from Buck Creek, 2.4 mi wset of Campbellsville, and at mile 9.1.

DRAINAGE AREA.--19.3 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1990 to September 1994. (discontinued)

GAGE.--Water-stage recorder. Datum of gage is 685.93 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 28 to Jan. 5, Feb. 4-13, June 25 to Aug. 3, Aug. 14-20, 23-27, and Aug. 29 to Sept. 1. 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. Flow partially regulated by the city of Campbellsville.

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

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	11	11	9.0	43	25	17	88	65	14	7.4	5.6
2	5.4	8.7	9.3	8.7	39	23	17	97	567	12	9.0	6.8
3	8.6	8.0	7.6	8.4	34	22	17	62	129	11	11	6.3
4	7.5	7.1	66	8.1	30	21	15	53	85	10	11	6.4
5	8.0	8.4	39	9.3	27	57	15	45	65	20	13	6.0
6	8.0	9.0	24	246	24	115	14	37	52	40	12	4.6
7	8.4	9.7	19	131	22	511	14	33	43	30	12	6.8
8	6.0	8.2	16	75	21	671	12	30	36	20	77	7.0
9	15	11	22	56	19	172	22	421	66	15	50	7.2
10	10	11	223	47	18	115	20	150	35	13	23	10
11	8.8	8.0	95	53	17	87	16	91	34	12	17	12
12	8.3	7.9	54	51	16	67	31	67	61	11	14	12
13	34	7.3	39	43	15	54	21	317	35	10	13	30
14	13	9.3	29	83	20	46	17	1330	30	9.2	12	11
15	9.1	8.5	25	169	400	40	16	198	26	8.7	11	7.8
16	7.9	9.0	30	144	296	35	16	128	24	8.2	9.4	34
17	8.2	8.7	30	90	149	31	53	382	22	7.9	9.0	18
18	8.2	6.9	24	70	100	27	33	1880	20	7.6	8.4	12
19	14	5.9	21	65	77	25	46	399	19	7.4	8.0	9.9
20	11	6.4	18	59	63	32	110	166	18	7.1	7.5	9.7
21	7.5	8.8	16	48	52	31	257	114	18	7.0	13	8.5
22	8.5	8.7	19	41	44	24	102	86	20	10	11	6.5
23	7.1	7.2	17	37	39	22	125	66	17	15	9.2	5.5
24	8.7	5.6	15	32	35	20	141	54	14	11	8.2	4.7
25	8.7	5.4	14	29	30	17	87	47	15	9.6	7.2	7.1
26	9.3	6.0	13	27	29	17	65	41	18	8.6	6.8	7.7
27	8.5	66	12	27	30	33	54	36	21	7.8	6.4	6.2
28	7.2	47	12	117	30	24	45	116	18	7.1	11	6.4
29	5.5	19	11	78	---	21	38	53	16	6.7	8.4	5.0
30	5.5	14	10	59	---	19	36	41	15	6.4	7.4	4.1
31	9.5	---	9.5	48	---	18	---	35	---	6.2	6.1	---
TOTAL	292.1	357.7	950.4	1968.5	1719	2422	1472	6663	1604	369.5	429.4	284.8
MEAN	9.42	11.9	30.7	63.5	61.4	78.1	49.1	215	53.5	11.9	13.9	9.49
MAX	34	66	223	246	400	671	257	1880	567	40	77	34
MIN	5.4	5.4	7.6	8.1	15	17	12	30	14	6.2	6.1	4.1

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	11.7	16.8	70.1	69.8	77.6	87.3	41.7	59.1	25.5	17.8	12.4	13.5
MAX	12.5	23.4	150	90.1	127	149	71.6	215	53.5	49.4	21.0	27.1
(WY)	1992	1994	1991	1994	1991	1994	1994	1995	1995	1992	1992	1992
MIN	9.42	9.99	27.9	48.9	30.0	61.7	24.7	11.1	10.1	8.84	8.01	7.11
(WY)	1995	1992	1993	1993	1992	1993	1993	1991	1991	1991	1993	1990

## SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	16563.7		18532.4			
ANNUAL MEAN	45.4		50.8		42.0	
HIGHEST ANNUAL MEAN					50.8	
LOWEST ANNUAL MEAN					24.8	
HIGHEST DAILY MEAN	1570	Mar 9	1880	May 18	1880	May 18 1995
LOWEST DAILY MEAN	3.4	Jul 11	4.1	Sep 30	2.2	Sep 3 1990
ANNUAL SEVEN-DAY MINIMUM	5.3	Jul 5	5.9	Sep 24	3.8	Aug 31 1990
INSTANTANEOUS PEAK FLOW			6510	May 18	6510	May 18 1995
INSTANTANEOUS PEAK STAGE			10.58	May 18	10.58	May 18 1995
10 PERCENT EXCEEDS	95		83			
50 PERCENT EXCEEDS	16		18			
90 PERCENT EXCEEDS	7.1		7.1		6.7	





## GREEN RIVER BASIN

03310300 NOLIN RIVER AT WHITE MILLS, KY

LOCATION.--Lat 37°33'03", long 86°02'43", Hardin County, Hydrologic Unit 05110001, on right bank, 0.8 mi southwest of White Mills, 1.6 mi downstream from bridge on State Highway 84, and at mile 78.7.

DRAINAGE AREA.--357 mi<sup>2</sup>, of which about 120 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 583.08 ft above sea level. Prior to Jan. 8, 1960, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 1-5, Feb. 2-14. 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 1994 TO SEPTEMBER 1995

## DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	52	86	118	446	390	232	356	573	195	94	87
2	46	50	74	112	410	358	224	832	561	197	109	121
3	45	49	68	109	370	335	216	668	624	168	108	111
4	44	50	104	105	345	317	208	525	603	156	96	91
5	44	51	345	102	320	317	199	462	504	769	100	82
6	45	52	285	195	300	399	192	409	464	912	333	78
7	44	51	187	1460	280	493	188	363	431	460	203	75
8	44	54	144	824	260	2170	184	332	404	345	1820	73
9	46	55	132	503	245	2850	182	1060	387	292	3270	71
10	46	54	432	404	232	1550	176	1810	395	244	1100	68
11	50	58	1210	366	225	1180	173	920	371	212	658	70
12	50	63	620	466	210	976	186	694	565	193	518	67
13	53	60	415	445	198	831	208	1280	557	176	420	461
14	57	56	331	574	190	729	189	5180	424	159	344	268
15	62	54	275	1710	1580	651	170	7370	367	173	286	161
16	58	54	249	1250	3170	587	163	3540	333	308	250	178
17	53	56	325	917	2660	532	159	2740	304	179	220	574
18	51	57	326	747	1540	483	161	5830	282	155	200	331
19	56	57	284	650	1170	444	161	8520	269	139	181	223
20	93	55	248	610	974	420	178	5970	263	128	164	176
21	74	54	220	540	837	427	638	2180	258	121	151	150
22	66	52	203	472	721	408	983	1600	240	118	141	132
23	62	52	190	427	643	369	581	1320	224	120	131	119
24	58	51	180	390	581	336	963	1140	262	137	121	109
25	55	50	167	356	523	309	750	999	438	169	116	102
26	55	50	158	329	482	292	577	919	287	141	111	97
27	54	63	148	310	446	285	483	823	241	130	106	93
28	51	151	140	374	419	283	422	884	221	114	101	89
29	50	131	132	741	---	267	368	782	200	106	97	83
30	51	104	126	577	---	255	333	708	192	100	92	79
31	53	---	121	492	---	242	---	616	---	96	88	---
TOTAL	1665	1846	7925	16675	19777	19485	9847	60832	11244	6912	11729	4419
MEAN	53.7	61.5	256	538	706	629	328	1962	375	223	378	147
MAX	93	151	1210	1710	3170	2850	983	8520	624	912	3270	574
MIN	44	49	68	102	190	242	159	332	192	96	88	67
CFSM	.15	.17	.72	1.51	1.98	1.76	.92	5.50	1.05	.62	1.06	.41
IN.	.17	.19	.83	1.74	2.06	2.03	1.03	6.34	1.17	.72	1.22	.46

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1995, BY WATER YEAR (WY)

MEAN	144	291	636	680	908	936	763	589	284	241	178	205
MAX	692	1206	2356	1603	3807	2571	2447	2715	717	972	966	2258
(WY)	1978	1989	1979	1974	1989	1964	1972	1983	1981	1967	1967	1979
MIN	37.0	48.6	44.7	55.5	156	228	200	131	71.9	83.2	55.5	46.3
(WY)	1970	1964	1964	1981	1964	1983	1986	1976	1988	1994	1962	1983

## SUMMARY STATISTICS

## FOR 1994 CALENDAR YEAR

## FOR 1995 WATER YEAR

## WATER YEARS 1960 - 1995

ANNUAL TOTAL	186556	172356	
ANNUAL MEAN	511	472	486
HIGHEST ANNUAL MEAN			971
LOWEST ANNUAL MEAN			283
HIGHEST DAILY MEAN	7280	Mar 11	17500
LOWEST DAILY MEAN	44	Oct 4	32
ANNUAL SEVEN-DAY MINIMUM	45	Oct 2	33
INSTANTANEOUS PEAK FLOW		9050	19400
INSTANTANEOUS PEAK STAGE		24.50	34.86
INSTANTANEOUS LOW FLOW			31
ANNUAL RUNOFF (CFSM)	1.43	1.32	1.36
ANNUAL RUNOFF (INCHES)	19.44	17.96	18.50
10 PERCENT EXCEEDS	1320	919	1050
50 PERCENT EXCEEDS	154	225	237
90 PERCENT EXCEEDS	51	54	60

## GREEN RIVER BASIN

## 03311000 NOLIN RIVER AT KYROCK, KY

LOCATION.--Lat 37°16'42", long 86°14'51", Edmonson County, Hydrologic Unit 05110001, in intake structure of Nolin River Dam on Nolin River, 0.3 mi upstream from Dismal Creek, 1.1 mi northeast of Kyrock, and at mile 7.8.

DRAINAGE AREA.--703 mi<sup>2</sup>, of which about 223 mi<sup>2</sup> does not contribute directly to surface runoff. Area at site used Oct. 1, 1960, to Sept. 30, 1973, 707 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to March 1932, July 1939 to September 1950, October 1960 to current year.

GAGE.--Water-stage recorder and outflow gate dials. Datum of gage 400 ft above sea level. See WDR KY-90-1 for history of changes prior to Sept. 30, 1973.

REMARKS.--Estimated daily discharge Dec. 2. Water-discharge records not rated, see COOPERATION. Maximum gage height for period of record affected by backwater from the Green River. Flow regulated since March 1963 by Nolin Lake (station 03310900). Discharge records computed using gate openings.

COOPERATION.--Record of discharge furnished by U.S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1854, 26.35 ft, in January 1937, from floodmarks, at site and datum used in 1939-50.

## 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	264	1300	333	143	1410	706	47	52	7290	331	266	52
2	264	1300	237	143	1410	534	47	355	6540	330	266	52
3	264	1290	141	143	941	476	47	539	2920	330	199	52
4	263	1290	141	143	477	476	47	1150	3190	330	131	52
5	263	1280	142	143	477	476	47	1660	5670	331	131	52
6	263	1280	142	143	477	477	47	1690	6330	332	131	52
7	263	1270	142	145	477	478	47	1650	6850	304	131	52
8	263	1270	142	146	477	485	47	1470	6730	269	200	52
9	263	1260	142	147	477	493	48	1380	5790	269	448	52
10	263	1250	143	1280	477	499	48	1260	5750	882	1290	52
11	262	1250	145	1910	477	502	48	558	5700	1110	2200	52
12	262	1240	1270	1900	349	505	48	1470	5660	1100	2060	52
13	262	1240	2140	1890	286	819	48	1550	5610	684	1380	102
14	262	1230	2360	1890	286	1020	48	356	4460	267	1090	205
15	262	1230	1680	1900	289	1020	48	292	2740	267	1090	427
16	262	1220	785	1910	297	783	48	296	1390	267	886	535
17	749	1210	477	1910	303	507	48	300	834	267	534	535
18	1100	1070	477	1910	307	508	49	304	441	267	533	535
19	1100	968	477	1900	1520	508	49	94	330	267	355	535
20	1100	964	477	1890	3760	508	49	0	330	267	266	535
21	1090	959	477	1880	4080	509	50	0	331	267	266	534
22	1090	955	477	1870	4040	339	50	0	494	267	266	534
23	1090	950	477	1310	3990	255	51	1800	551	267	266	533
24	1090	946	477	478	3940	178	51	3750	441	267	193	532
25	1080	941	476	478	3890	102	51	3740	331	267	168	532
26	1240	936	476	478	3830	102	51	3730	331	267	168	531
27	1330	932	380	478	3100	102	52	3720	331	267	168	530
28	1320	930	214	479	1230	102	52	3720	331	267	110	530
29	1320	926	143	480	---	65	52	3710	331	267	52	529
30	1310	641	143	481	---	47	301	4970	331	267	52	528
31	1310	---	143	1050	---	47	---	6910	---	266	52	---
TOTAL	21524	33528	15876	31048	43074	13628	1716	52476	88358	11407	15348	9346
MEAN	694	1118	512	1002	1538	440	57.2	1693	2945	368	495	312
MAX	1330	1300	2360	1910	4080	1020	301	6910	7290	1110	2200	535
MIN	262	641	141	143	286	47	47	.00	330	266	52	52

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	901	1345	1274	1583	1609	1217	821	1093	810	495	300	544
MAX	4959	3393	4491	4852	4541	5533	4777	4161	4437	2009	1335	2266
(WY)	1980	1973	1978	1979	1985	1989	1975	1984	1983	1967	1967	1982
MIN	.000	452	1.50	122	91.4	203	.63	.39	.000	.000	.000	.000
(WY)	1976	1964	1985	1981	1992	1983	1966	1964	1964	1964	1964	1975

## SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	336674		337329.00			
ANNUAL MEAN	922		924		996	
HIGHEST ANNUAL MEAN					1880	
LOWEST ANNUAL MEAN					597	
HIGHEST DAILY MEAN	6030	Mar5	7290	Jun 1	10300	May 28 1983
LOWEST DAILY MEAN	52	Aug5	.00	May 20	.00	May 2 1964
ANNUAL SEVEN-DAY MINIMUM	86	Aug2	47	Mar 30	.00	May 2 1964
INSTANTANEOUS PEAK FLOW					22700	
INSTANTANEOUS PEAK STAGE					59.27	
10 PERCENT EXCEEDS	2800		1910	May 21	2490	Mar 2 1962
50 PERCENT EXCEEDS	471		477		470	
90 PERCENT EXCEEDS	131		52		53	

## GREEN RIVER BASIN

03311000 NOLIN RIVER AT KYROCK, KY--Continued

## WATER-QUALITY RECORDS

LOCATION.--Water tempertaure collected 0.4 mi downstream from Nolin River Dam, and at mile 7.4.

DRAINAGE AREA.--707 mi<sup>2</sup>, including that of Dismal Creek, of which about 223 mi<sup>2</sup> does not contribute directly to surface runoff.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Water years 1950, 1963-82, August 1989 to current year.

INSTRUMENTATION.--Temperature recorder since August 1989.

REMARKS.--Specific conductance and temperature measurements made in conjunction with discharge measurements published in the miscellaneous water-quality section.

COOPERATION.--Daily temperatue records were furnished by U.S. Army Corps of Engineers, water years 1950, 1963-1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--Maximum daily, 31.0°C July 19-22, 1969; minimum daily, 0.0°C on many days during winter period 1978, and December 17, 18, 27, 1989.

EXTREMES FOR CURRENT PERIOD.--Maximum, 24.6°C, Aug. 30; minimum, 4.6°C, Feb. 13-15, 20-22.

## WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.1	17.3	17.7	16.5	16.5	16.5	13.1	12.4	12.8	---	---	---
2	18.5	18.1	18.2	16.5	16.5	16.5	12.4	12.4	12.4	7.4	7.1	7.2
3	18.9	18.5	18.6	16.5	16.5	16.5	12.4	12.1	12.1	7.1	6.7	6.7
4	18.9	18.1	18.3	16.5	16.5	16.5	12.4	12.1	12.4	6.7	6.0	6.5
5	18.5	17.7	18.0	16.5	16.5	16.5	12.4	12.4	12.4	6.0	5.7	5.8
6	18.1	17.7	17.8	16.5	16.1	16.5	12.4	12.1	12.1	---	---	---
7	18.1	17.7	17.8	16.5	16.1	16.3	12.1	11.7	12.0	---	---	---
8	18.1	17.7	18.0	16.5	16.1	16.1	11.7	11.7	11.7	---	---	---
9	18.1	17.7	17.8	16.1	16.1	16.1	11.7	11.3	11.7	6.7	6.4	6.4
10	17.7	16.9	17.2	16.1	16.1	16.1	11.3	10.6	11.1	6.7	6.4	6.6
11	17.3	16.5	16.9	16.1	15.8	16.0	11.0	10.6	10.7	6.7	6.7	6.7
12	17.3	16.5	16.9	16.1	15.8	15.8	10.6	10.6	10.6	6.7	6.4	6.7
13	17.3	16.1	16.7	15.8	15.8	15.8	11.0	10.6	10.6	6.7	6.7	6.7
14	17.3	16.9	17.2	15.8	15.8	15.8	10.6	10.6	10.6	7.1	6.7	7.1
15	17.7	17.3	17.4	15.8	15.8	15.8	10.6	10.2	10.3	7.1	7.1	7.1
16	17.7	17.3	17.7	15.8	15.4	15.6	10.2	10.2	10.2	7.1	6.7	6.8
17	17.7	15.0	16.7	15.4	15.4	15.4	10.2	10.2	10.2	6.7	6.7	6.7
18	15.0	14.6	14.7	15.4	15.4	15.4	10.2	9.9	9.9	6.7	6.7	6.7
19	14.6	14.3	14.4	15.4	15.0	15.2	9.9	9.9	9.9	6.7	6.4	6.7
20	14.3	14.3	14.3	15.0	15.0	15.0	9.9	9.5	9.6	6.7	6.4	6.6
21	14.3	14.3	14.3	15.0	15.0	15.0	9.5	9.3	9.5	6.4	6.4	6.4
22	14.6	14.3	14.4	15.0	14.6	14.8	9.5	9.2	9.5	6.4	6.0	6.2
23	14.6	14.6	14.6	14.6	14.3	14.5	9.5	9.2	9.4	6.0	6.0	6.0
24	15.0	14.6	14.7	14.6	14.3	14.3	9.2	9.2	9.2	6.0	6.0	6.0
25	15.0	15.0	15.0	14.3	13.9	13.9	9.2	8.8	9.1	6.0	6.0	6.0
26	15.8	15.0	15.4	13.9	13.5	13.9	9.2	8.8	8.9	6.0	6.0	6.0
27	16.1	15.8	15.9	13.9	13.5	13.5	8.8	8.8	8.8	6.0	6.0	6.0
28	16.1	16.1	16.1	13.5	13.5	13.5	8.8	8.1	8.3	6.0	6.0	6.0
29	16.1	16.1	16.1	13.5	13.1	13.3	8.1	8.1	8.1	6.0	6.0	6.0
30	16.5	16.1	16.3	13.1	13.1	13.1	8.1	7.8	7.9	6.0	5.7	6.0
31	16.5	16.5	16.5	---	---	---	---	---	---	6.0	5.7	5.8
MONTH	18.9	14.3	16.5	16.5	13.1	15.3	---	---	---	---	---	---

GREEN RIVER BASIN  
03111000 NOLIN RIVER AT KYROCK, KY--Continued  
WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	FEBRUARY				MARCH				APRIL				MAY			
	MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN		MAX	MIN	MEAN	
1	5.7	5.7	5.7	5.7	6.7	6.4	6.6	9.9	9.2	9.5	13.5	13.1	13.3	13.1	13.3	
2	6.0	5.7	5.8	6.7	6.7	6.7	6.7	10.2	9.2	9.7	15.0	13.1	13.6	13.1	13.6	
3	6.0	5.7	6.0	6.7	6.4	6.4	6.7	10.2	9.5	9.8	13.9	13.5	13.6	13.5	13.6	
4	6.0	5.7	6.0	6.7	6.7	6.7	6.7	10.2	9.9	10.0	13.5	12.4	13.2	13.2	13.2	
5	6.0	5.7	5.8	6.7	6.7	6.7	6.7	10.2	9.5	9.9	12.4	11.7	12.0	11.7	12.0	
6	5.7	5.7	5.7	7.1	7.1	6.7	6.8	10.6	9.9	10.1	11.7	11.7	11.7	11.7	11.7	
7	5.7	5.3	5.7	7.1	7.1	7.1	7.1	11.0	10.2	10.6	11.7	11.7	11.7	11.7	11.7	
8	5.7	5.3	5.3	7.1	7.1	7.1	7.1	11.3	11.0	11.1	11.7	11.7	11.3	11.3	11.6	
9	---	---	---	7.1	6.7	7.0	7.0	11.3	11.0	11.1	11.7	11.0	11.0	11.0	11.2	
10	5.3	4.9	5.2	7.1	6.7	7.1	7.1	12.1	11.3	11.5	11.3	11.3	11.0	11.0	11.3	
11	4.9	4.9	4.9	7.1	7.1	7.1	7.1	12.4	12.1	12.1	11.0	11.0	10.6	10.6	10.8	
12	4.9	4.9	4.9	7.1	7.1	7.1	7.1	12.4	11.7	12.1	11.3	11.3	10.6	10.6	10.7	
13	4.9	4.6	4.8	7.4	7.4	7.3	7.3	12.1	11.3	11.5	11.7	11.7	11.3	11.3	11.5	
14	4.9	4.6	4.8	7.4	7.4	7.4	7.4	12.1	11.3	11.7	11.7	11.3	11.3	11.3	11.5	
15	4.9	4.6	4.6	7.4	7.4	7.4	7.4	12.4	11.7	12.0	11.3	11.3	11.0	11.0	11.1	
16	4.9	4.9	4.9	7.8	7.8	7.6	7.6	12.8	12.4	12.5	11.0	11.0	10.6	10.6	10.8	
17	4.9	4.9	4.9	8.1	8.1	8.0	8.0	13.5	13.1	12.9	11.0	11.0	10.6	10.6	10.8	
18	4.9	4.9	4.9	7.8	7.8	7.7	7.7	13.1	13.1	13.1	11.3	11.3	11.0	11.0	11.1	
19	4.9	4.9	4.9	7.8	7.8	7.8	7.8	13.1	13.1	12.8	11.3	11.3	11.3	11.3	11.3	
20	4.9	4.6	4.8	7.8	7.8	7.8	7.8	13.1	12.8	13.1	11.3	11.3	11.3	11.3	11.3	
21	4.9	4.6	4.8	8.1	8.1	8.0	8.0	13.5	13.5	13.5	13.9	13.9	13.5	13.5	13.6	
22	4.9	4.6	4.9	8.1	8.1	8.2	8.2	13.5	13.5	13.5	13.9	13.9	13.9	13.9	13.9	
23	4.9	4.9	4.9	8.1	8.1	8.1	8.1	13.1	13.1	13.1	14.3	14.3	14.3	14.3	14.4	
24	5.3	4.9	5.0	8.1	8.1	8.1	8.4	13.5	13.1	13.2	14.6	14.6	14.6	14.6	14.9	
25	5.3	5.3	5.3	8.1	7.8	8.0	8.0	13.5	13.5	13.5	15.4	15.4	14.6	14.6	14.9	
26	5.7	5.3	5.6	8.1	7.8	8.0	8.0	13.5	13.5	13.5	15.8	15.8	15.4	15.4	15.5	
27	---	---	---	8.5	8.1	8.2	8.2	13.5	13.1	13.3	14.3	14.3	14.3	14.3	14.3	
28	6.4	6.0	6.4	8.5	8.1	8.4	8.4	13.1	12.8	13.0	14.6	14.6	14.3	14.3	14.4	
29	---	---	---	9.2	8.1	8.4	8.4	13.5	13.1	13.2	14.6	14.6	14.6	14.6	14.9	
30	---	---	---	9.5	9.2	9.3	9.3	13.5	13.1	13.1	15.4	15.4	14.6	14.6	14.9	
31	---	---	---	9.9	9.2	9.5	9.5	---	---	---	15.8	15.8	15.4	15.4	15.5	
MONTH	---	---	---	9.9	6.4	7.6	7.6	13.5	9.2	12.0	15.8	10.6	12.4	12.4	12.4	
JUNE																
1	16.1	15.8	15.8	16.5	16.5	16.1	16.4	20.5	20.5	20.5	23.8	22.9	21.7	21.7	21.1	
2	16.1	15.8	16.0	16.5	16.5	16.1	16.3	20.9	20.5	20.6	22.9	20.9	20.9	20.9	21.7	
3	16.1	15.4	15.8	16.5	16.5	16.1	16.4	---	---	---	21.7	20.1	20.6	20.6	20.6	
4	15.8	15.0	15.9	16.5	16.5	16.5	16.5	22.9	21.3	21.3	21.3	19.7	19.7	20.8	20.8	
5	16.1	15.8	15.9	16.9	16.9	16.5	16.8	22.9	21.3	22.0	21.3	20.1	20.1	20.8	20.8	
6	16.1	16.1	16.1	16.9	16.9	16.5	16.5	22.1	21.3	21.6	21.3	20.1	20.1	20.7	20.7	
7	16.5	16.5	16.4	18.5	18.5	16.5	16.9	22.9	21.3	21.5	21.3	19.7	20.0	20.3	20.3	
8	16.5	16.5	16.5	18.9	18.9	18.5	18.7	22.5	21.3	21.8	20.9	20.1	20.3	20.3	20.3	
9	16.5	16.5	16.5	19.3	19.3	18.5	18.9	21.3	20.9	21.0	20.9	20.1	20.4	20.4	20.4	
10	16.5	16.5	16.5	19.3	19.3	19.3	19.4	20.9	19.3	20.4	20.5	19.7	20.1	20.0	20.0	
11	16.5	16.5	16.5	19.3	19.3	18.5	18.6	19.3	18.9	19.0	20.5	19.3	19.3	19.8	19.8	
12	16.9	16.5	16.8	19.7	19.7	18.5	18.9	18.9	18.9	19.0	21.3	20.0	20.7	20.7	20.7	
13	16.9	16.9	16.9	19.7	19.7	18.9	19.3	19.3	18.9	19.3	21.7	20.9	21.3	21.3	21.3	
14	16.9	16.9	16.9	19.7	19.7	19.3	19.3	19.3	19.3	19.3	21.7	21.3	21.4	21.4	21.4	
15	16.9	16.9	16.9	19.7	19.7	19.3	19.4	19.3	19.3	19.3	22.1	21.7	21.8	21.8	21.8	
16	16.9	16.5	16.7	19.7	19.7	19.3	19.6	20.1	19.3	19.5	22.1	21.7	21.9	21.9	21.9	
17	16.5	16.5	16.5	19.7	19.7	19.7	19.7	21.3	20.1	21.0	22.1	21.7	22.0	22.0	22.0	
18	16.5	16.5	16.5	19.7	19.7	19.7	19.7	21.7	21.3	21.7	22.1	22.1	22.1	22.1	22.1	
19	16.5	16.5	16.5	19.7	19.7	19.7	19.7	22.1	21.7	21.7	22.1	21.7	21.8	21.8	21.8	
20	16.5	16.1	16.5	19.7	19.7	19.7	19.7	22.1	21.7	21.9	22.1	21.7	21.7	21.7	21.7	
21	16.5	16.1	16.5	20.1	20.1	19.8	19.8	22.5	22.1	22.2	21.7	21.7	21.7	21.7	21.7	
22	16.5	16.1	16.4	21.7	21.7	20.4	20.4	22.5	22.1	22.2	21.7	21.7	21.4	21.4	21.4	
23	16.5	16.5	16.5	22.1	22.1	21.9	21.9	22.1	21.7	22.0	21.3	20.5	20.9	20.9	20.9	
24	16.5	16.5	16.5	22.1	22.1	22.3	22.3	22.1	21.7	21.9	20.9	20.5	20.5	20.5	20.5	
25	16.5	16.0	16.4	22.5	22.5	22.0	22.0	22.5	21.7	22.0	20.5	20.1	20.4	20.4	20.4	
26	16.5	16.1	16.4	21.3	21.3	20.9	20.9	22.5	21.7	22.2	20.5	20.1	20.3	20.3	20.3	
27	16.5	16.1	16.4	20.5	20.5	20.5	20.5	22.9	22.1	22.5	20.1	20.1	20.1	20.1	20.1	
28	16.5	16.1	16.4	20.5	20.5	20.5	20.5	22.9	22.1	22.5	20.5	20.1	20.1	20.1	20.1	
29	16.5	16.1	16.4	20.5	20.5	20.5	20.5	23.3	22.1	22.6	20.5	20.1	20.2	20.2	20.2	
30	16.5	16.1	16.4	20.5	20.5	20.5	20.5	24.6	22.5	22.5	20.5	20.1	20.2	20.2	20.2	
31	---	---	---	20.5	20.5	20.5	20.5	23.8	22.5	23.2	---	---	---	---	---	
MONTH	16.9	15.0	16.4	22.5	16.1	19.3	19.3	---	---	---	23.8	19.3	21.0	21.0	21.0	

## GREEN RIVER BASIN

## 03312765 BEAVER CREEK AT HWY 31 E NEAR GLASGOW, KY

LOCATION.--Lat 37°02'05", long 85°54'13", Barren County, Hydrologic Unit 05110002, on downstream side of bridge on U.S. Highway 31 E, 2.7 mi northeast of Glasgow, 8.3 mi upstream from Little Beaver Creek, and at mile 23.1.

DRAINAGE AREA.--49.6 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 651.43 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 28 to Jan. 3, Jan. 5, Feb. 1-5, 10-13. Records good. 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 1994 TO SEPTEMBER 1995

DAY	DAILY MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	7.4	44	17	62	51	34	74	107	23	11	5.0
2	8.4	6.9	35	16	54	46	33	172	247	21	11	5.0
3	8.4	6.5	30	16	52	43	32	103	194	20	11	4.9
4	8.3	6.0	53	17	47	41	31	76	127	20	10	5.0
5	8.0	6.4	187	18	43	45	30	64	100	63	11	5.0
6	7.8	12	106	435	40	161	29	54	85	45	12	4.9
7	7.8	12	70	888	38	611	29	48	71	31	11	4.7
8	7.8	11	52	346	37	2260	28	45	61	25	13	4.7
9	12	11	44	207	33	859	27	1190	57	22	14	4.7
10	17	12	370	141	31	441	26	811	49	20	11	4.7
11	12	13	499	118	30	339	25	315	54	19	9.7	4.9
12	11	9.7	221	119	29	282	34	215	324	18	9.2	5.2
13	55	8.7	138	102	28	232	33	242	153	17	8.7	5.5
14	57	7.7	94	584	30	165	28	516	86	16	8.2	5.5
15	31	7.5	69	984	1190	139	26	386	64	16	8.1	5.5
16	22	7.7	60	560	1140	122	25	299	54	16	8.0	6.7
17	17	7.3	72	347	791	103	26	310	46	15	7.5	8.4
18	15	6.8	63	247	436	87	26	1330	42	15	7.2	7.6
19	15	6.0	51	200	300	76	25	2490	39	14	6.9	6.3
20	15	5.5	45	161	220	69	70	650	38	13	7.0	5.9
21	14	5.0	40	121	170	71	552	373	36	13	7.1	5.8
22	13	4.7	38	97	127	64	227	291	32	28	6.7	5.8
23	12	4.2	36	84	110	56	128	241	30	25	6.1	5.8
24	11	3.7	33	70	90	49	229	169	29	21	5.8	5.6
25	10	3.6	29	61	75	44	138	125	29	17	5.7	5.6
26	9.9	4.2	27	55	68	42	95	107	36	15	5.5	6.0
27	9.3	25	24	51	61	41	75	94	32	14	5.2	6.0
28	8.8	494	22	77	57	39	62	501	26	13	5.2	6.0
29	8.3	151	20	107	---	37	53	260	25	12	5.2	6.0
30	7.7	68	19	76	---	36	51	157	24	12	5.0	5.8
31	7.4	---	18	66	---	35	---	111	---	11	5.0	---
TOTAL	455.3	934.5	2609	6388	5389	6686	2227	11819	2297	630	258.0	168.5
MEAN	14.7	31.1	84.2	206	192	216	74.2	381	76.6	20.3	8.32	5.62
MAX	57	494	499	984	1190	2260	552	2490	324	63	14	8.4
MIN	7.4	3.6	1.8	16	2.8	3.5	2.5	4.5	2.4	1.1	5.0	4.7
CFSM	.30	.63	1.70	4.15	3.88	4.35	1.50	7.69	1.54	.41	.17	.11
IN.	.34	.70	1.96	4.79	4.04	5.01	1.67	8.86	1.72	.47	.19	.13

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

MEAN	13.9	29.2	111	155	214	245	127	127	87.7	25.1	16.4	14.2
MAX	21.9	32.6	156	206	489	473	307	381	233	50.1	39.2	36.4
(WY)	1992	1993	1992	1995	1994	1994	1994	1995	1992	1992	1994	1992
MIN	6.96	26.4	72.2	107	78.8	137	63.2	38.8	19.9	7.41	4.53	3.71
(WY)	1994	1992	1993	1993	1992	1993	1993	1994	1993	1993	1993	1993

## SUMMARY STATISTICS

## FOR 1994 CALENDAR YEAR

## FOR 1995 WATER YEAR

## WATER YEARS 1992 - 1995

ANNUAL TOTAL	50704.3		39861.3		96.6			
ANNUAL MEAN	139		109		142		1994	
HIGHEST ANNUAL MEAN					49.7		1993	
LOWEST ANNUAL MEAN					2930		Mar 9 1994	
HIGHEST DAILY MEAN	2930	Mar 9	2490	May 19	2930	Mar 9	1994	
LOWEST DAILY MEAN	3.6	Nov 25	3.6	Nov 25	1.7	Sep 14	1993	
ANNUAL SEVEN-DAY MINIMUM	4.4	Nov 20	4.4	Nov 20	1.8	Sep 8	1993	
INSTANTANEOUS PEAK FLOW			4260		6620		Jun 18 1992	
INSTANTANEOUS PEAK STAGE			13.32		15.10		Jun 18 1992	
ANNUAL RUNOFF (CFSM)	2.80		2.20		1.95			
ANNUAL RUNOFF (INCHES)	38.03		29.90		26.47			
10 PERCENT EXCEEDS	389		269		208			
50 PERCENT EXCEEDS	31		31		33			
90 PERCENT EXCEEDS	9.1		5.9		5.8			