03597590 WARTRACE CREEK BELOW COUNTY ROAD AT WARTRACE, TN

LOCATION.--Lat 35°31'38", long 86°20'25", Bedford County, Hydrologic Unit 06040002, on right bank 300 ft below county road bridge, 0.4 mi upstream from Louisville and Nashville Railroad bridge, 0.4 mi west of Wartrace, and at mile 2.3.

DRAINAGE AREA.--35.7 mi^2.

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

GAGE.--Data collection platform and crest-stage gage. Datum of gage is 781.66 ft above NGVD of 1929.

REMARKS.--Records good except for estimated discharge, which are fair. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 23	1300	*6,790	*15.15	Mar 18	0800	3,040	11.32
Jan 24	1145	3,780	12.35	Mar 30	0130	2,830	10.95
Mar 17	0730	6,460	14.92	Mar 31	1445	2,710	10.73

Minimum discharge, 0.00 ft^3/s, many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.66	1.6	33	9.5	157	11	312	42	3.0	0.30	0.49	0.63
2	0.65	1.6	14	9.0	72	11	130	440	2.5	0.29	0.43	0.47
3	0.69	1.7	8.0	8.5	51	12	75	355	2.2	0.27	0.34	0.40
4	0.61	1.7	5.5	7.7	40	9.8	52	593	1.9	0.69	0.30	0.30
5	0.59	1.7	4.0	7.4	31	9.3	39	132	1.6	0.72	0.24	0.21
6	1.0	1.8	3.3	12	53	8.9	31	71	1.8	0.44	0.19	0.16
7	2.7	1.8	4.0	16	90	8.6	26	e52	1.7	0.29	0.15	0.12
8	2.2	1.8	211	14	73	8.3	22	e40	1.5	0.22	0.13	0.10
9	1.8	1.7	119	14	55	9.4	21	e28	1.3	0.21	0.11	0.08
10	2.0	1.8	88	14	46	10	18	26	1.1	0.16	0.09	0.07
11	1.5	1.9	112	16	36	8.7	15	24	0.94	0.15	0.07	0.05
12	1.8	1.8	50	17	30	98	14	18	0.79	0.15	0.05	0.03
13	3.2	1.8	144	16	25	73	13	353	0.81	1.2	0.03	0.0
14	192	1.8	380	15	21	45	12	96	0.85	2.1	0.00	0.00
15	25	1.8	98	14	19	33	11	43	0.80	1.4	0.00	0.00
16	7.9	1.9	49	13	17	40	10	26	0.79	0.83	0.00	0.02
17	4.6	2.1	131	12	15	3010	9.3	46	0.72	0.62	0.03	0.0
18	3.2	2.1	93	14	13	1470	8.5	76	0.62	0.49	0.09	0.70
19	2.5	2.0	49	408	13	256	7.8	30	0.59	0.37	3.0	4.9
20	2.1	2.1	30	166	37	209	7.4	19	0.56	0.28	1.6	8.2
21	1.8	2.1	20	84	28	122	7.2	14	0.47	0.32	0.86	119
22	1.7	2.0	16	56	20	73	6.7	11	0.42	5.4	0.59	19
23	1.8	2.0	191	3800	17	55	5.9	8.9	0.32	14	0.47	9.6
24	1.7	3.0	85	2350	15	43	6.0	7.4	0.32	9.7	8.3	5.6
25	4.3	4.5	45	691	14	34	8.1	6.3	0.28	3.3	3.6	4.6
26	3.2	3.0	31	195	15	197	6.0	5.4	0.31	2.7	6.9	229
27	2.2	2.6	23	105	13	71	5.6	4.9	0.28	1.5	2.8	786
28	2.1	2.7	18	70	11	49	5.3	4.3	0.26	1.1	1.7	79
29	2.0	16	15	53	---	199	4.9	3.7	0.26	0.80	1.3	38
30	1.9	181	12	42	---	1220	4.4	4.7	0.31	0.65	1.0	24
31	1.8	---	11	33	---	1340	---	3.7	---	0.57	0.76	---
TOTAL	281.20	255.4	2092.8	8282.1	1027	8744.0	894.1	2584.3	29.30	51.22	35.62	1330.24
MEAN	9.071	8.513	67.51	267.2	36.68	282.1	29.80	83.36	0.977	1.652	1.149	44.34
MAX	192	181	380	3800	157	3010	312	593	3.0	14	8.3	786
MIN	0.59	1.6	3.3	7.4	11	8.3	4.4	3.7	0.26	0.15	0.00	0.00
CFSM	0.25	0.24	1.89	7.48	1.03	7.90	0.83	2.34	0.03	0.05	0.03	1.24
IN.	0.29	0.27	2.18	8.63	1.07	9.11	0.93	2.69	0.03	0.05	0.04	1.39

e Estimated

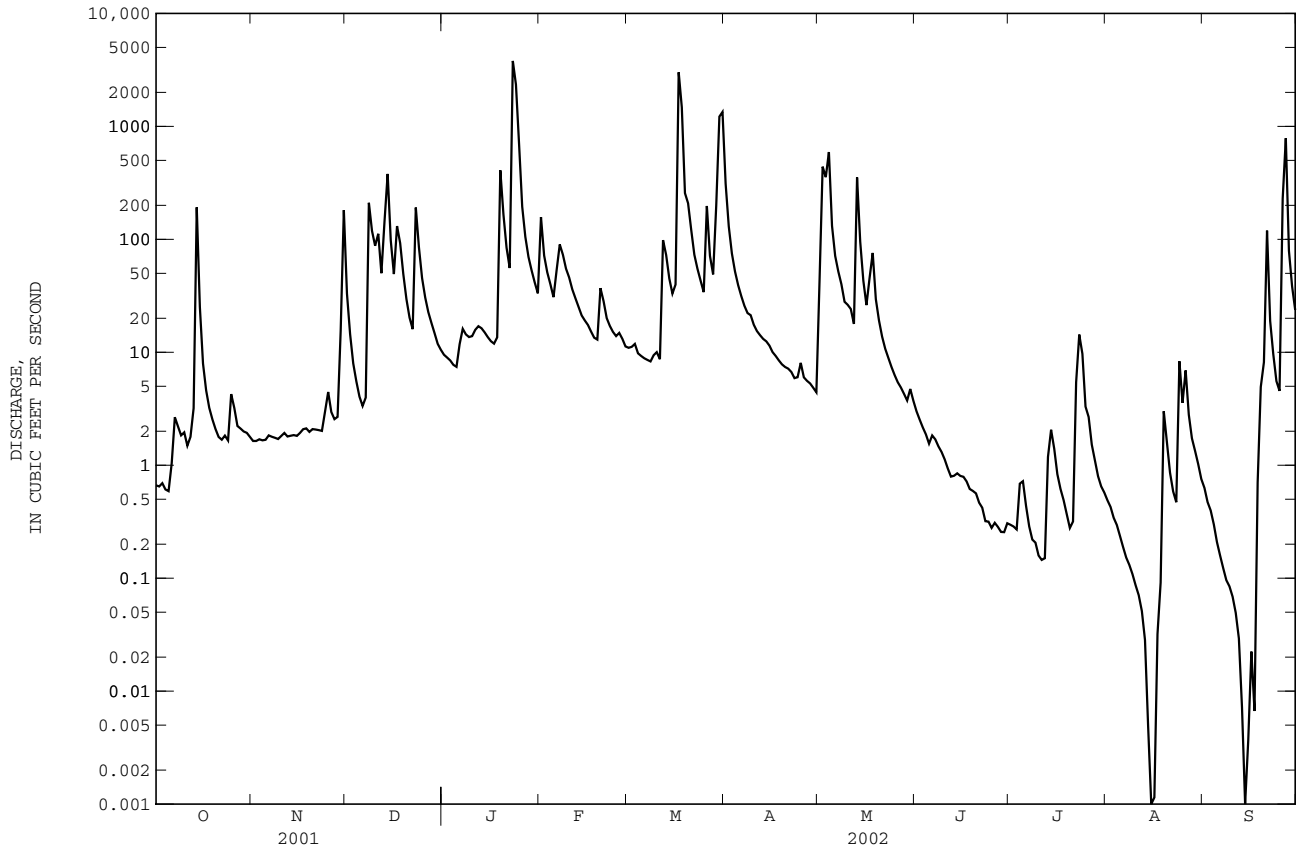
03597590 WARTRACE CREEK BELOW COUNTY ROAD AT WARTRACE, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

MEAN	23.32	49.06	122.8	138.3	127.6	146.9	78.61	41.38	23.26	15.95	20.67	23.44
MAX	109	172	350	289	326	311	215	114	143	40.7	79.5	167
(WY)	1996	1997	1991	1999	1991	1994	2000	1997	1997	1999	1992	1992
MIN	0.014	0.46	7.46	10.3	36.8	77.9	11.9	2.23	1.57	0.24	0.012	0.000
(WY)	2000	2000	2000	2000	2002	2001	1999	1992	1990	2000	1991	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	19879.66		25607.28			
ANNUAL MEAN	54.46		70.16		67.42	
HIGHEST ANNUAL MEAN					97.2	1994
LOWEST ANNUAL MEAN					36.2	2000
HIGHEST DAILY MEAN	1840	Feb 16	3800	Jan 23	4000	Sep 22 1992
LOWEST DAILY MEAN	0.57	Sep 18	0.00	Aug 14	0.00	Aug 24 1990
ANNUAL SEVEN-DAY MINIMUM	0.68	Sep 29	0.01	Sep 11	0.00	Aug 24 1990
MAXIMUM PEAK FLOW			6790	Jan 23	10900	Jan 23 1999
MAXIMUM PEAK STAGE			15.15	Jan 23	16.02	Jan 23 1999
INSTANTANEOUS LOW FLOW			a0.00		a0.00	Aug 24 1990
ANNUAL RUNOFF (CFSM)	1.53		1.97		1.89	
ANNUAL RUNOFF (INCHES)	20.71		26.68		25.66	
10 PERCENT EXCEEDS	116		101		121	
50 PERCENT EXCEEDS	7.9		6.3		14	
90 PERCENT EXCEEDS	1.7		0.28		0.21	

a No flow many days most years.



03597860 DUCK RIVER AT SHELBYVILLE, TN

LOCATION.--Lat 35°28'51", long 86°27'45", Bedford County, Hydrologic Unit 06040002, on right bank 125 ft upstream from U.S. Highway 231 bridge, one block west of the southwest corner of the public square, and at mile 221.4.

DRAINAGE AREA.--425 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to current year, discharge for gage height of 12.00 ft and below only. Continuous stage records were collected by Tennessee Valley Authority from December 1981 to September 1991.

GAGE.--Data collection platform. Datum of gage is 680.00 ft above NGVD of 1929. Prior to Oct. 10, 1991 at datum 10.00 ft higher.

REMARKS.--Records good except for estimated discharges, which are fair. Flow regulated by Normandy Reservoir (station 03596460) since January 1976.

EXTREME FOR PERIOD OF RECORD.--Maximum discharge, not determined; maximum gage height, 33.13 ft, Mar. 28, 1994; minimum discharge, 129 ft^3/s, May 20, 1992; minimum daily discharge, 125 ft^3/s, July 30, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, maximum gage height, unknown Jan. 25; minimum discharge, 132 ft^3/s, April 30; minimum daily discharge, 137 ft^3/s, April 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	375	---	283	---	187	---	517	219	191	181	164
2	173	374	562	272	---	186	---	---	216	202	175	161
3	170	376	485	312	---	194	---	---	208	198	175	162
4	169	371	445	302	---	182	---	---	203	197	177	162
5	168	368	327	257	662	180	---	---	205	186	176	160
6	191	367	226	276	---	177	---	---	---	179	174	164
7	184	370	237	301	---	176	---	---	244	189	172	167
8	179	371	---	290	---	173	---	---	171	188	171	165
9	175	373	---	283	811	e175	---	657	221	201	164	163
10	174	371	---	232	746	e178	284	584	214	190	170	162
11	172	370	---	230	684	e176	244	420	204	186	174	163
12	182	364	---	235	622	321	227	366	200	189	259	162
13	207	362	---	233	590	460	213	---	200	255	176	162
14	---	---	---	225	552	331	200	---	203	258	180	164
15	---	357	---	234	503	283	199	590	200	200	186	169
16	417	357	---	225	307	348	187	e430	197	196	183	183
17	319	354	---	219	285	---	177	e400	193	192	200	171
18	274	354	---	228	269	---	170	---	190	175	194	186
19	252	354	---	---	263	---	163	546	188	184	236	201
20	238	354	---	---	333	---	161	286	185	190	180	209
21	230	351	683	---	383	---	157	247	184	194	168	432
22	220	353	619	---	320	---	165	245	186	221	160	371
23	213	357	---	---	287	---	153	284	192	212	169	314
24	212	388	---	---	257	---	154	270	282	210	172	197
25	275	448	e660	---	247	---	165	186	188	182	187	185
26	399	---	e650	---	250	---	150	172	187	190	198	---
27	386	---	637	---	236	---	144	170	193	186	187	---
28	382	---	589	---	195	---	143	198	192	179	155	---
29	379	---	557	---	---	---	137	250	189	175	168	540
30	376	---	493	---	---	---	140	320	199	175	171	424
31	374	---	313	---	---	---	---	228	---	179	167	---
TOTAL	---	---	---	---	---	---	---	---	---	6049	5605	---
MEAN	---	---	---	---	---	---	---	---	---	195.1	180.8	---
MAX	---	---	---	---	---	---	---	---	---	258	259	---
MIN	---	---	---	---	---	---	---	---	---	175	155	---

e Estimated

03597860 DUCK RIVER AT SHELBYVILLE, TN--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1991 to current year.
DISSOLVED OXYGEN: October 1991 to current year.

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

REMARKS.--Records for water temperature are good and dissolved oxygen is fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 30.1°C, July 30, 31, 1999; minimum, 0.1°C, Feb. 4, 5, 6, 1996.
DISSOLVED OXYGEN: Maximum, 17.2, mg/L, Jan. 16, 2002; minimum, 5.7 mg/L, June 12, 1999.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 29.2°C, July 29; minimum, 3.3°C, Jan. 3.
DISSOLVED OXYGEN: Maximum, 17.2 mg/L, Jan. 16; minimum, 6.4 mg/L, July 17.

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.7	17.8	18.3	15.4	14.3	14.9	14.0	12.7	13.2	5.5	4.1	4.9
2	19.4	17.9	18.5	16.6	15.4	16.1	12.7	12.3	12.5	4.1	3.4	3.8
3	20.1	18.0	18.8	17.4	16.5	17.0	12.5	11.9	12.2	3.7	3.3	3.5
4	20.4	18.4	19.2	16.9	15.5	16.4	12.7	12.0	12.3	4.1	3.4	3.7
5	20.2	19.0	19.5	15.5	14.6	15.2	13.2	12.7	12.9	4.0	3.4	3.7
6	19.5	18.9	19.2	14.9	13.9	14.5	13.7	12.8	13.2	4.5	3.8	4.1
7	18.9	17.8	18.3	14.4	13.7	13.9	14.1	13.3	13.7	5.0	4.5	4.8
8	17.8	16.5	17.0	14.5	13.7	14.0	15.0	14.1	14.6	5.2	4.5	4.8
9	17.0	15.8	16.3	15.0	14.0	14.5	14.8	13.0	13.8	5.3	4.4	4.9
10	17.8	16.1	16.8	14.8	13.7	14.3	13.0	11.8	12.2	6.9	5.2	6.0
11	18.3	17.0	17.6	14.2	13.6	13.8	12.6	11.9	12.2	8.2	6.8	7.6
12	19.1	18.3	18.7	14.2	13.4	13.8	13.7	12.6	13.2	8.5	7.7	8.0
13	19.8	19.1	19.5	13.8	13.3	13.5	14.3	13.7	14.2	7.7	6.7	7.2
14	20.1	18.8	19.6	14.1	13.3	13.6	14.3	14.1	14.2	6.8	6.3	6.5
15	18.8	17.5	18.0	13.9	13.2	13.5	14.3	13.4	13.6	7.0	6.0	6.4
16	17.5	16.3	16.9	13.7	13.0	13.3	13.8	13.4	13.5	6.6	5.8	6.1
17	16.3	14.5	15.6	13.9	13.0	13.4	14.2	13.8	14.0	6.3	5.8	6.1
18	14.8	13.8	14.3	14.4	13.5	14.0	14.2	13.0	13.6	7.0	6.1	6.6
19	14.8	13.5	14.1	14.5	14.0	14.2	13.0	11.9	12.2	7.0	6.2	6.6
20	15.8	13.9	14.7	14.3	13.2	13.9	11.9	10.3	11.2	8.2	6.4	7.5
21	16.6	14.7	15.5	13.2	11.4	12.5	10.3	9.6	9.8	8.8	8.2	8.5
22	17.4	15.6	16.3	11.7	11.2	11.4	10.1	9.3	9.7	8.6	7.5	7.8
23	18.5	16.6	17.4	12.9	11.5	12.3	11.1	10.1	10.6	11.8	8.0	9.7
24	19.4	17.9	18.6	14.6	12.9	13.9	10.4	9.0	9.5	12.6	11.5	12.3
25	19.4	18.1	18.8	15.4	14.6	14.9	9.0	7.6	8.3	11.5	9.2	10
26	18.1	15.7	16.9	14.6	13.7	14.0	7.6	6.9	7.1	9.3	8.2	8.8
27	15.7	13.8	14.8	15.4	13.9	14.9	7.1	6.6	6.9	9.6	8.6	9.1
28	13.8	13.0	13.4	15.8	15.4	15.5	7.7	6.9	7.3	10.0	8.8	9.4
29	13.8	13.0	13.3	15.9	15.6	15.7	8.0	7.6	7.8	10.3	9.8	10.0
30	14.3	13.4	13.8	15.8	14.0	14.9	7.6	6.4	6.9	11.1	10.1	10.6
31	14.7	13.9	14.3	---	---	---	6.4	5.5	6.0	11.3	10.2	10.8
MONTH	20.4	13.0	16.9	17.4	11.2	14.3	15.0	5.5	11.4	12.6	3.3	7.1

03597860 DUCK RIVER AT SHELBYVILLE, TN--Continued

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.4	10.5	11.0	5.8	4.9	5.5	13.8	12.4	12.9	19.4	18.2	18.8
2	10.5	9.6	9.9	6.8	5.6	6.0	14.4	12.7	13.5	18.5	18.1	18.3
3	9.6	8.9	9.2	7.1	6.6	6.9	14.2	12.8	13.3	18.4	15.5	16.9
4	8.9	8.5	8.7	7.7	6.6	7.0	13.0	11.6	12.4	15.9	15.0	15.3
5	8.5	6.8	7.5	7.1	5.9	6.5	12.8	12.0	12.5	16.9	15.7	16.2
6	6.8	6.4	6.6	7.4	6.0	6.8	12.8	12.1	12.5	17.2	16.5	16.8
7	7.2	6.8	7.0	9.3	7.3	8.2	13.4	12.4	12.8	18.6	17.0	17.6
8	7.6	6.8	7.2	11.1	8.9	10	14.4	13.4	13.7	19.2	18.6	18.9
9	8.6	7.4	8.0	11.8	11.0	11.4	14.6	14.1	14.4	19.9	19.1	19.5
10	9.7	8.6	9.2	12.0	11.2	11.6	15.4	14.0	14.7	19.5	17.9	18.6
11	9.5	8.9	9.2	11.6	10.6	11.1	17.7	15.0	16.3	18.6	17.5	18.0
12	9.1	8.3	8.6	10.9	10.3	10.5	18.0	16.7	17.4	20.8	18.6	19.8
13	8.6	8.0	8.4	10.7	10.5	10.6	18.9	17.6	18.2	21.2	18.7	20.6
14	8.5	7.7	8.1	11.9	10.6	11.2	19.1	18.1	18.5	18.7	16.9	17.4
15	8.5	7.7	8.1	14.1	11.6	13.1	20.9	18.1	19.3	17.4	16.3	16.9
16	9.6	8.5	8.9	15.3	13.9	14.8	22.2	18.9	20.3	18.8	17.4	17.4
17	9.9	8.9	9.3	15.1	12.6	13.3	23.2	20.3	21.6	19.7	---	---
18	9.7	8.4	9.0	13.7	12.8	13.3	24.3	21.4	22.7	19.7	17.1	18.6
19	8.9	8.2	8.6	12.8	12.1	12.3	24.2	22.1	23.0	17.1	16.0	16.3
20	10.0	8.5	9.3	12.4	12.1	12.2	24.6	22.7	23.5	16.9	16.0	16.4
21	11.5	10.0	10.8	12.5	11.7	12.0	25.1	23.1	24.0	17.1	15.7	16.4
22	10.9	9.5	10.5	12.0	10.2	10.8	24.1	22.8	23.4	17.8	15.5	16.5
23	9.5	8.1	9.0	11.3	9.4	10.4	23.2	21.9	22.5	18.4	16.1	17.1
24	9.1	7.8	8.3	12.3	10.2	11.2	21.9	20.4	21.1	19.8	17.1	18.5
25	9.6	7.9	8.8	13.3	11.2	12.1	20.4	19.3	19.7	21.6	18.6	19.9
26	9.7	9.0	9.4	13.3	12.4	12.8	19.3	18.2	18.6	21.3	19.8	20.5
27	9.0	7.0	8.1	12.7	10.9	11.5	18.2	17.3	17.8	22.7	20.5	21.5
28	7.0	5.7	6.3	12.4	10.8	11.4	19.2	17.1	17.9	23.3	21.4	22.2
29	---	---	---	13.2	12.4	13.0	19.2	17.2	18.1	23.9	22.0	22.8
30	---	---	---	---	---	---	19.8	18.8	19.3	23.3	22.1	22.7
31	---	---	---	---	---	---	---	---	---	23.8	21.8	22.7
MONTH	11.5	5.7	8.7	15.3	4.9	10.6	25.1	11.6	17.9	23.9	15.0	18.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.2	22.4	23.7	27.0	25.6	26.1	28.1	27.1	27.6	26.8	25.5	26.0
2	26.0	23.6	24.7	26.5	25.4	25.9	27.8	27.0	27.4	26.6	25.8	26.2
3	26.8	24.4	25.5	26.5	25.4	26.0	28.6	27.1	27.7	27.2	25.9	26.4
4	27.6	25.0	26.2	26.8	25.4	26.1	28.4	27.2	27.7	26.8	26.0	26.4
5	27.7	25.3	26.3	27.2	25.6	26.5	28.8	27.3	27.9	27.1	26.1	26.6
6	26.1	23.2	24.7	27.6	26.2	26.9	28.2	27.5	27.8	27.2	26.2	26.6
7	23.5	22.7	23.0	28.5	26.7	27.6	27.9	27.0	27.3	26.9	26.0	26.3
8	24.9	22.6	23.6	28.6	26.9	27.6	27.1	26.3	26.6	26.2	25.5	25.9
9	25.1	23.2	24.1	27.5	26.7	27.0	26.8	25.6	26.1	26.2	25.5	25.9
10	26.1	23.7	24.8	27.4	26.2	26.6	27.0	25.5	26.1	26.0	25.3	25.7
11	26.1	24.1	25.0	26.6	25.7	26.2	27.1	25.6	26.2	25.7	25.2	25.5
12	26.5	24.3	25.2	26.4	25.8	26.0	27.2	25.5	26.1	25.8	24.9	25.3
13	25.8	24.5	25.0	26.0	25.0	25.6	27.0	25.3	26.0	25.5	24.8	25.1
14	24.9	24.2	24.6	25.4	24.4	24.7	26.6	25.5	26.0	25.2	24.7	24.9
15	24.2	23.2	23.6	26.3	24.3	25.2	26.9	25.8	26.3	25.3	24.7	25.0
16	23.2	22.4	22.7	27.6	25.0	26.0	26.7	25.9	26.2	25.4	24.8	25.1
17	22.8	21.8	22.2	27.8	25.8	26.7	26.4	25.7	26.0	25.8	25.0	25.3
18	23.4	21.3	22.2	27.4	26.4	26.9	26.8	25.5	25.9	25.8	25.1	25.4
19	24.6	21.9	23.2	27.1	26.3	26.7	27.2	25.6	26.3	25.9	25.1	25.4
20	25.5	23.1	24.3	27.6	26.1	26.7	27.2	25.8	26.5	26.3	25.1	25.5
21	25.9	24.0	25.0	27.4	26.0	26.7	27.5	26.1	26.8	25.3	24.4	24.9
22	26.3	24.4	25.3	28.1	26.4	26.9	28.5	26.7	27.3	24.5	23.2	24.0
23	26.2	24.8	25.5	27.3	25.9	26.4	28.8	26.9	27.6	23.3	22.5	22.9
24	26.2	24.8	25.3	26.6	25.4	25.9	28.2	27.2	27.6	22.5	21.8	22.1
25	25.1	24.3	24.6	27.1	25.4	26.1	27.7	27.0	27.3	22.0	21.2	21.4
26	26.1	24.2	25.0	27.0	25.7	26.2	27.0	26.4	26.7	21.2	20.5	20.8
27	26.2	24.5	25.2	28.0	26.0	26.8	26.7	25.9	26.2	20.9	20.3	20.7
28	26.9	24.9	25.6	28.7	26.3	27.2	26.0	25.4	25.6	21.2	20.2	20.7
29	27.0	25.1	25.8	29.2	26.9	27.8	25.6	25.0	25.3	21.8	21.0	21.4
30	26.7	25.5	26.0	28.6	27.4	27.9	25.8	24.9	25.4	22.5	21.8	22.1
31	---	---	---	28.7	27.5	27.9	26.2	25.1	25.6	---	---	---
MONTH	27.7	21.3	24.6	29.2	24.3	26.5	28.8	24.9	26.6	27.2	20.2	24.5

03597860 DUCK RIVER AT SHELBYVILLE, TN--Continued

OXYGEN DISSOLVED, in (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.2	9.3	9.7	10.4	10.0	10.2	10.6	10.0	10.3	---	---	---
2	10.1	9.4	9.7	10.1	9.7	10	10.8	10.6	10.7	---	---	---
3	10.2	9.5	9.8	9.8	9.6	9.7	11.1	10.8	10.9	14.0	13.8	13.9
4	10.0	9.6	9.8	9.9	9.7	9.8	11.0	10.7	10.9	13.9	13.5	13.8
5	10.2	9.4	9.8	10.3	9.9	10.1	10.9	10.5	10.7	14.0	13.5	13.7
6	9.9	9.6	9.7	10.8	10.1	10.3	10.7	10.3	10.5	13.6	13.1	13.4
7	10.3	9.8	9.9	11.2	10.3	10.5	10.5	10.1	10.3	13.3	13.0	13.1
8	10.3	9.9	10.2	11.0	10.3	10.5	10.1	9.6	9.9	13.5	13.0	13.2
9	10.5	10.2	10.3	11.1	10.2	10.4	10.5	9.7	10.0	15.5	13.1	13.7
10	10.2	9.9	10.1	10.9	10.1	10.3	10.9	10.5	10.7	14.2	13.2	13.6
11	10.0	9.5	9.8	10.6	10.3	10.4	10.7	10.6	10.7	15.4	12.9	13.4
12	9.6	9.2	9.4	11.4	10.3	10.6	10.6	10.4	10.5	14.5	12.8	13.2
13	9.3	8.9	9.1	11.1	10.4	10.6	10.4	9.8	10.1	16.1	13.0	13.8
14	9.1	8.3	8.6	11.3	10.2	10.5	9.9	9.4	9.6	14.8	13.6	13.9
15	9.9	8.7	9.4	10.5	10.0	10.3	10.5	9.8	10.2	16.9	13.8	14.4
16	10.3	9.8	10.1	10.3	10.1	10.2	10.6	10.4	10.5	17.2	14.0	14.6
17	10.7	10.2	10.5	10.3	10.0	10.2	10.4	9.6	10.1	15.1	14.2	14.5
18	10.9	10.5	10.7	10.2	9.8	10.0	10.5	9.6	10.1	16.1	14.0	14.6
19	10.6	10.3	10.5	11.2	9.8	10.3	11.0	10.5	10.8	14.9	13.0	13.7
20	11.3	10.2	10.5	12.5	11.2	12.1	11.7	11.0	11.3	13.2	12.9	13.0
21	10.3	10.0	10.1	12.6	12.2	12.4	11.9	11.7	11.8	13.2	12.9	13.1
22	10.0	9.6	9.8	12.7	11.9	12.4	12.0	11.7	11.9	13.8	13.2	13.5
23	9.7	9.2	9.5	11.9	10.3	11.2	11.7	11.0	11.3	13.6	10.3	11.8
24	9.8	8.8	9.1	10.6	---	---	11.8	11.1	11.4	10.8	10.1	10.3
25	9.0	8.8	8.9	---	---	---	12.4	11.8	12.1	12.6	10.8	11.7
26	9.8	8.8	9.3	10.4	---	---	12.7	12.4	12.6	13.3	12.6	13.1
27	10.2	9.7	10	10.3	9.8	10	12.8	12.5	12.7	13.2	13.0	13.1
28	10.5	10.2	10.4	9.8	9.7	9.8	---	---	---	13.2	12.9	13.1
29	10.6	10.3	10.5	9.7	9.6	9.7	---	---	---	12.9	12.8	12.9
30	10.9	10.4	10.5	10.0	9.3	9.5	---	---	---	12.8	12.6	12.7
31	10.6	10.3	10.4	---	---	---	---	---	---	12.8	12.5	12.7
MONTH	11.3	8.3	9.9	12.7	9.3	10.4	12.8	9.4	10.8	17.2	10.1	13.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.7	12.2	12.5	13.6	13.0	13.3	11.3	10.9	11.2	9.8	9.3	9.6
2	13.0	12.6	12.8	13.3	13.0	13.1	11.2	10.9	11.0	9.7	8.7	9.4
3	13.3	13.0	13.2	13.1	12.7	12.9	11.3	10.9	11.1	10.1	8.3	9.3
4	13.6	13.3	13.5	13.5	12.6	12.9	11.6	11.2	11.4	10.4	10.1	10.2
5	14.3	13.6	14.0	14.4	13.0	13.6	11.6	11.3	11.5	10.7	10.3	10.5
6	14.4	14.2	14.3	14.4	13.5	13.9	11.5	11.3	11.4	10.5	10.3	10.4
7	14.2	14.0	14.1	14.3	13.1	13.6	11.4	11.2	11.3	10.5	10.3	10.4
8	14.2	14.0	14.1	13.1	12.3	12.7	11.2	10.9	11.0	10.3	10.0	10.1
9	14.1	13.7	13.9	12.3	11.9	12.1	10.9	10.6	10.8	10.1	9.7	10
10	13.7	13.3	13.5	12.1	11.5	11.8	10.8	10.4	10.6	10.3	10.0	10.2
11	13.6	13.3	13.5	12.1	11.5	11.8	10.5	10.0	10.3	10.4	10.2	10.3
12	13.8	13.5	13.7	12.3	11.9	12.1	10.2	9.8	10.0	10.2	9.5	10
13	14.0	13.7	13.8	11.9	11.5	11.7	10.3	9.7	10	9.6	8.5	9.3
14	14.2	13.8	13.9	11.7	11.3	11.5	10.2	9.6	9.8	10.6	8.7	10.0
15	14.1	13.6	13.9	11.9	10.9	11.4	10.2	9.6	9.8	10.8	10.5	10.7
16	13.8	13.3	13.5	11.2	10.5	10.8	10.0	9.4	9.7	10.5	10.4	10.4
17	13.7	13.0	13.5	10.7	9.5	10.0	10.0	9.2	9.5	10.1	9.5	9.9
18	13.7	13.2	13.5	10.5	9.6	10	9.7	9.1	9.3	10.2	9.6	9.8
19	13.9	13.5	13.7	11.5	10.5	11.3	9.6	8.9	9.1	10.7	10.2	10.5
20	13.6	13.5	13.6	11.6	11.4	11.5	9.3	8.6	8.9	11.0	10.3	10.6
21	---	---	---	12.0	11.6	11.8	9.2	8.5	8.8	11.3	10.4	10.7
22	---	---	---	12.3	11.7	12.0	9.3	8.6	8.8	11.2	10.4	10.8
23	---	---	---	12.3	11.9	12.1	9.5	8.6	8.8	11.2	10.3	10.8
24	---	---	---	12.2	11.6	11.9	9.2	8.6	8.8	10.9	9.8	10.4
25	---	---	---	11.8	11.3	11.6	9.8	8.8	9.3	10.6	9.7	10.1
26	---	---	---	11.4	10.8	11.2	9.7	9.3	9.4	10.3	9.5	9.8
27	---	---	---	11.9	11.0	11.6	9.9	9.4	9.6	10.1	9.1	9.6
28	---	---	---	12.0	11.7	11.9	10.1	9.6	9.8	9.8	8.9	9.2
29	---	---	---	11.7	11.3	11.4	10.3	9.6	9.9	10.1	8.7	9.1
30	---	---	---	---	---	---	9.9	9.4	9.6	10.2	8.7	9.0
31	---	---	---	---	---	---	---	---	---	9.7	8.7	9.0
MONTH	14.4	12.2	13.6	14.4	9.5	12.0	11.6	8.5	10.0	11.3	8.3	10.0

03597860 DUCK RIVER AT SHELBYVILLE, TN--Continued

OXYGEN DISSOLVED, in (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.9	8.3	8.8	---	---	---	8.1	7.6	7.9	7.8	7.2	7.6
2	9.4	8.0	8.4	---	---	---	8.1	7.8	7.9	8.1	7.6	7.9
3	9.5	7.9	8.3	7.8	7.5	7.7	8.3	7.8	8.0	8.3	7.9	8.1
4	9.1	7.8	8.1	7.8	7.5	7.7	8.2	7.7	7.9	8.5	8.1	8.2
5	8.7	7.7	8.0	7.8	7.5	7.7	8.0	7.6	7.8	8.5	8.1	8.3
6	8.4	7.8	8.1	7.8	7.5	7.6	7.9	7.5	7.7	8.3	8.2	8.3
7	8.4	8.0	8.1	7.8	7.5	7.6	8.1	7.6	7.8	8.5	8.0	8.2
8	8.7	8.1	8.3	7.8	7.5	7.6	8.3	7.8	8.1	8.5	7.6	8.2
9	8.9	8.0	8.3	7.7	7.4	7.6	8.4	8.0	8.2	8.2	7.8	8.1
10	8.5	8.0	8.2	7.7	7.4	7.6	8.6	7.6	8.3	8.2	7.5	7.9
11	8.4	7.5	8.0	7.8	7.5	7.6	8.4	8.1	8.2	8.2	7.5	7.8
12	8.3	7.2	7.8	7.8	7.4	7.6	8.4	7.8	8.2	8.6	7.4	7.7
13	8.1	7.3	7.7	7.8	7.4	7.6	8.2	7.8	8.0	8.1	7.3	7.6
14	8.2	7.3	7.6	8.1	7.6	7.9	8.4	6.8	8.0	7.9	7.5	7.6
15	8.7	7.4	7.9	8.0	7.3	7.8	8.3	7.9	8.1	7.8	7.3	7.6
16	8.4	7.9	8.1	7.4	6.8	7.2	8.3	7.9	8.1	7.6	7.4	7.5
17	8.6	8.1	8.2	7.8	6.4	7.3	8.3	7.9	8.1	7.7	7.4	7.5
18	8.9	8.0	8.3	7.8	7.2	7.6	8.3	7.6	8.1	7.5	7.1	7.3
19	8.8	7.8	8.2	8.0	7.5	7.8	8.2	7.3	7.9	7.7	7.2	7.5
20	8.2	7.5	7.9	8.0	7.8	7.9	8.4	7.8	8.1	7.7	7.3	7.4
21	8.1	7.2	7.6	8.0	7.8	7.9	8.4	8.1	8.2	7.6	7.3	7.5
22	7.8	7.1	7.3	7.9	7.5	7.8	8.4	8.1	8.2	7.9	7.6	7.7
23	7.9	7.1	7.4	7.9	7.4	7.6	8.3	7.9	8.2	8.2	7.9	8.0
24	8.0	7.3	7.5	8.1	7.6	7.8	8.3	8.1	8.2	8.2	8.0	8.1
25	7.9	7.4	7.6	8.0	7.6	7.8	8.3	8.0	8.1	8.4	8.1	8.3
26	8.0	7.5	7.6	7.9	7.5	7.7	8.4	8.1	8.2	8.7	8.3	8.5
27	8.0	7.5	7.6	7.8	7.5	7.6	8.4	8.1	8.2	8.5	7.4	7.8
28	8.0	7.6	7.8	7.8	6.9	7.5	8.4	8.1	8.2	9.2	8.5	8.9
29	8.1	7.7	7.8	7.6	6.8	7.3	8.3	8.1	8.2	9.0	8.7	8.9
30	---	---	---	7.4	6.8	7.1	8.3	7.8	8.1	8.8	8.6	8.7
31	---	---	---	7.6	7.2	7.4	8.0	7.7	7.9	---	---	---
MONTH	9.9	7.1	7.9	8.1	6.4	7.6	8.6	6.8	8.1	9.2	7.1	8.0

THIS PAGE IS INTENTIONALLY BLANK

03598000 DUCK RIVER NEAR SHELBYVILLE, TN

LOCATION.--Lat 35°28'49", long 86°29'57", Bedford County, Hydrologic Unit 06040002, on right bank 150 ft downstream from Sims Bridge, 2.1 mi upstream from Sugar Creek, 2.2 mi west of Shelbyville, 2.9 mi downstream from Flat Creek, and at mile 216.2.

DRAINAGE AREA.--481 mi^2.

PERIOD OF RECORD.--October 1933 to current year. Prior to April 1934, monthly discharge only, published in WSP 1306.

REVISED RECORDS.--WSP 783: 1934. WSP 853: Drainage area.

GAGE.--Data collection platform. Datum of gage is 683.51 ft above NGVD of 1929. Prior to Sept. 2, 1966, at datum 2.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge prior to regulation, 62,900 ft^3/s, Feb. 13, 1948, gage height, 38.40 ft, present datum, from floodmarks, from rating curve extended above 35,000 ft^3/s on basis of slope-area measurement of peak flow. Prior to 1948, diurnal fluctuation caused by powerplant upstream. Flow regulated by Normandy Reservoir (station 03596460) since January 1976. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1929 reached a stage of 39.6 ft present datum, discharge, about 70,000 ft^3/s, from high-water profile by Tennessee Valley Authority. Flood in March 1902 reached a stage about 2.0 ft higher than that in March 1929, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,600 ft^3/s, at 0630 hours Feb. 17, gage height 22.07 ft; minimum discharge, 133 ft^3/s, Aug. 28, 29; minimum daily, 162 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	401	1010	297	3460	241	7200	758	269	220	213	176
2	205	402	688	279	1610	236	4230	623	263	226	205	175
3	197	403	563	324	1370	245	3430	2770	253	231	205	177
4	190	399	501	320	1070	229	2310	5860	244	230	206	179
5	183	396	407	270	756	219	1550	4240	246	220	204	177
6	215	392	266	296	788	215	1420	3400	910	207	201	180
7	205	392	281	327	1100	212	1340	2610	359	217	198	183
8	197	391	721	315	1060	207	1280	1150	238	216	197	183
9	190	389	1390	305	957	215	1030	802	278	256	188	180
10	184	387	1070	260	882	221	417	718	273	228	194	178
11	180	389	1520	256	810	200	359	538	259	219	196	177
12	198	387	1350	259	734	407	338	473	250	229	289	177
13	218	385	2020	257	695	606	322	1000	251	317	193	179
14	2050	381	3950	245	650	449	309	1270	257	344	191	183
15	1170	378	2400	249	613	390	296	692	249	257	201	192
16	597	376	1720	239	420	493	277	536	239	237	197	216
17	422	375	2040	231	386	9240	264	496	232	232	228	203
18	350	375	2200	243	361	17300	253	937	228	208	214	220
19	310	375	1630	2130	345	8560	242	679	223	220	270	238
20	284	377	939	2320	422	5290	238	369	221	224	195	243
21	268	374	779	1910	491	4580	231	317	217	226	176	529
22	253	374	692	1550	413	2960	244	302	220	258	165	463
23	243	377	1090	12200	374	2500	223	351	222	281	174	391
24	239	406	1230	24200	334	2250	226	337	330	261	179	232
25	296	496	927	18100	318	2050	240	246	227	223	195	207
26	443	516	791	8150	319	2390	217	217	223	225	205	764
27	425	934	705	5730	305	2020	204	213	223	221	201	3140
28	418	775	645	4920	254	1410	202	238	218	208	162	1140
29	414	1020	601	4380	---	1220	197	284	210	202	174	706
30	408	2200	541	3900	---	6000	195	398	223	201	186	552
31	402	---	349	3500	---	7860	---	284	---	208	181	---
TOTAL	11564	15222	35016	97962	21297	80415	29284	33108	8055	7252	6183	11940
MEAN	373.0	507.4	1130	3160	760.6	2594	976.1	1068	268.5	233.9	199.5	398.0
MAX	2050	2200	3950	24200	3460	17300	7200	5860	910	344	289	3140
MIN	180	374	266	231	254	200	195	213	210	201	162	175
(†)	-1900	-8700	-1200	+2200	-800	+16700	-3300	+1400	-1500	-2700	-3000	-1500
MEAN(‡)	312	217	1090	3230	732	3130	866	1110	218	147	103	348
CFSM(†)	.65	.45	2.27	6.72	1.52	6.51	1.80	2.31	0.45	0.31	0.21	0.72
IN.(‡)	.75	.50	2.61	7.74	1.58	7.51	2.01	2.67	0.51	0.35	0.25	0.81

CAL YR 2001 MEAN(‡) 706 CFSM(‡) 1.47 IN.(‡) 19.91
WTR YR 2002 MEAN(‡) 967 CFSM(‡) 2.01 IN.(‡) 27.29

(†) Change in contents, in cfs-days in Normandy Lake.
(‡) Adjusted for chage in content.
NOTE.--Contents (cfs-days) for adjustments furnished by Tennessee Valley Authority.

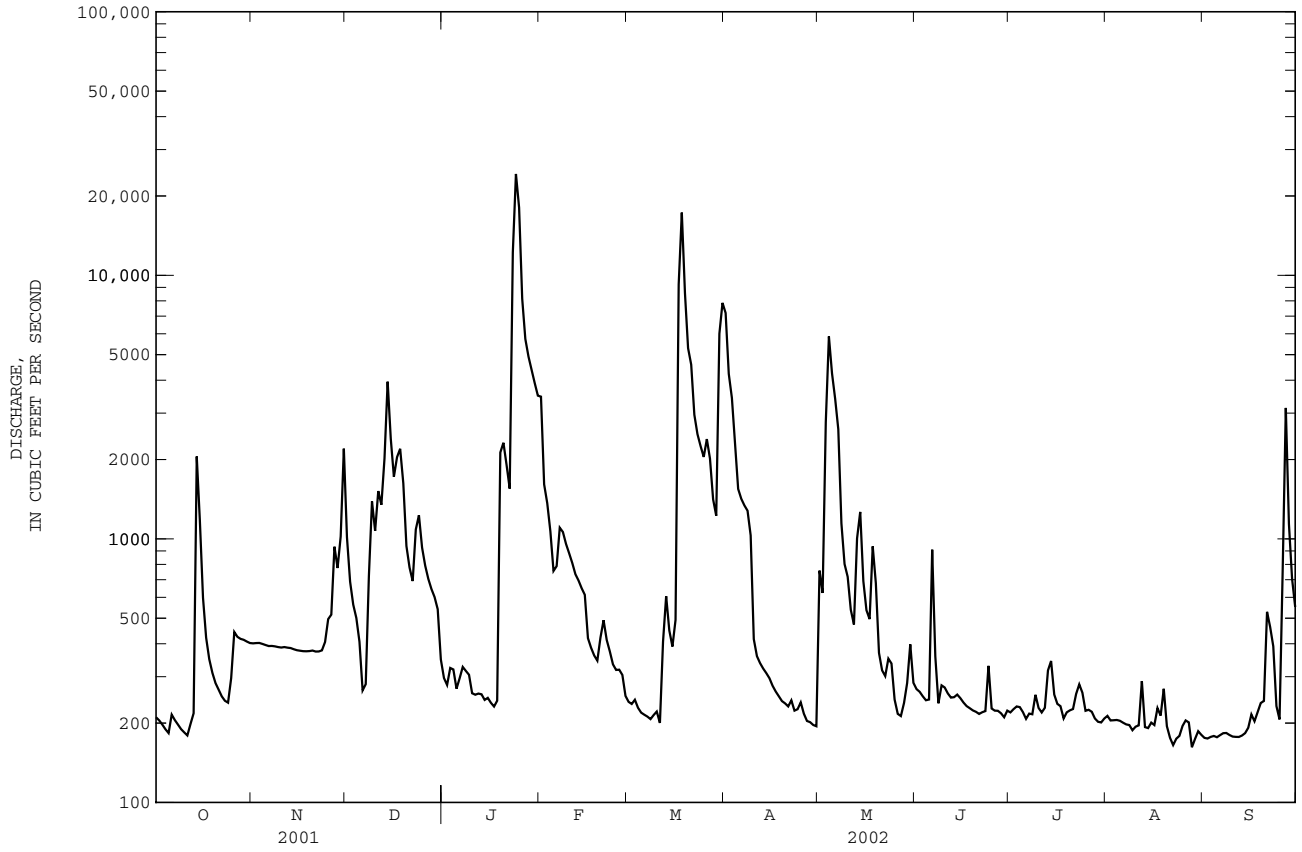
03598000 DUCK RIVER NEAR SHELBYVILLE, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	354.0	905.2	1322	1433	1295	1518	937.8	715.5	522.4	340.7	287.2	308.2
MAX	1314	2277	4132	3160	3730	3649	2992	2753	2151	1670	749	1036
(WY)	1990	1987	1992	2002	1994	1980	1994	1983	1989	1989	1998	1992
MIN	157	170	289	175	339	308	165	137	166	166	154	163
(WY)	1988	1988	2000	1986	1978	1988	1986	1988	1988	1987	1983	1980

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		*WATER YEARS 1977 - 2002	
ANNUAL TOTAL	256390		357298			
ANNUAL MEAN	702.4		978.9		824.3	
HIGHEST ANNUAL MEAN					1253	1991
LOWEST ANNUAL MEAN					257	1981
HIGHEST DAILY MEAN	10700	Feb 17	24200	Jan 24	24200	Jan 24 2002
LOWEST DAILY MEAN	159	May 27	162	Aug 28	72	Oct 1 1982
ANNUAL SEVEN-DAY MINIMUM	174	Jun 20	176	Aug 28	88	Sep 25 1982
MAXIMUM PEAK FLOW			26400	Jan 24	26400	Jan 24 2002
MAXIMUM PEAK STAGE			29.96	Jan 24	29.96	Jan 24 2002
INSTANTANEOUS LOW FLOW			a155	Aug 28	71	Sep 30 1982
10 PERCENT EXCEEDS	1920		2160		2040	
50 PERCENT EXCEEDS	299		315		304	
90 PERCENT EXCEEDS	187		197		172	

* Regulated period only.
a Also occurred Aug. 29.



03598250 NORTH FORK CREEK NEAR POPLINS CROSSROADS, TN

LOCATION.--Lat 35°35'06", long 86°35'45", Bedford County, Hydrologic Unit 06040002, on left bank 25 ft downstream from State Highway 270 bridge, 1.2 mi downstream from Weakly Creek, 0.8 mi northwest of Poplins Crossroads, and at mile 3.4.

DRAINAGE AREA.--71.9 mi^2.

PERIOD OF RECORD.--April 1994 to April 1995, October 1998 to current year.

GAGE.--Data logger. Elevation of gage is 662 ft above NGVD of 1929, from topographic map.

REMARKS.--No esitmated daily discharges. Records good.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 23	1745	*7,290	*15.59	Mar 17	1515	5,320	13.82
Jan 24	2030	5,060	13.55	Mar 31	1730	3,940	12.34

Minimum discharge, no flow, many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	9.8	167	34	192	22	759	92	3.9	0.15	0.71	0.12
2	1.9	8.9	107	30	122	21	236	260	2.8	2.7	0.54	0.12
3	1.5	7.7	79	28	90	22	142	519	2.0	2.2	0.42	0.09
4	1.1	6.7	62	25	81	19	99	888	1.5	1.3	0.31	0.06
5	0.98	6.0	51	23	63	17	75	236	1.2	0.66	0.25	0.04
6	2.7	5.3	43	32	76	15	59	127	25	0.42	0.23	0.06
7	5.6	5.0	44	51	144	14	50	89	12	0.30	0.17	0.06
8	6.2	4.5	202	40	119	13	43	65	4.9	0.24	0.13	0.03
9	4.4	4.2	230	36	90	14	39	50	2.9	0.24	0.13	0.00
10	3.2	3.8	161	34	86	19	34	47	1.8	16	0.10	0.00
11	2.5	4.1	234	40	87	17	29	54	1.2	12	0.09	0.00
12	4.0	3.8	139	41	67	145	27	38	1.4	81	0.08	0.00
13	9.0	3.2	275	36	57	164	24	406	1.5	95	0.06	0.00
14	395	2.9	541	32	49	97	21	184	1.7	37	0.06	0.00
15	146	2.7	221	29	44	73	18	88	1.00	19	0.13	0.00
16	87	2.5	141	25	40	81	16	60	0.67	11	0.13	0.00
17	61	2.4	184	24	36	3110	14	49	0.59	7.4	0.18	0.00
18	47	2.2	183	32	31	2230	12	80	0.47	5.2	0.15	0.04
19	37	2.2	117	580	28	463	11	51	0.36	3.9	0.17	0.07
20	30	2.3	86	317	59	376	10	37	0.28	2.9	0.14	0.12
21	24	2.1	70	161	59	248	9.4	28	0.23	2.3	0.10	0.27
22	20	2.0	60	112	41	142	8.7	22	0.19	1.8	0.07	9.5
23	17	2.1	327	4130	35	107	7.5	18	0.16	1.5	0.06	4.6
24	16	3.3	184	4340	31	84	8.9	13	0.15	12	0.29	2.5
25	28	18	112	2490	28	67	11	11	0.17	9.1	2.3	2.0
26	30	17	85	380	29	191	8.9	8.9	0.18	4.3	0.59	79
27	21	23	69	224	28	125	7.1	7.4	0.20	3.3	0.32	246
28	16	51	59	156	24	83	6.2	6.0	0.18	2.0	0.27	93
29	14	155	51	123	---	93	5.2	4.7	0.15	1.2	0.22	41
30	12	693	43	100	---	1300	4.4	5.7	0.13	1.0	0.20	23
31	11	---	38	82	---	2590	---	5.3	---	0.96	0.13	---
TOTAL	1057.48	1056.7	4365	13787	1836	11962	1795.3	3550.0	68.91	338.07	8.73	501.68
MEAN	34.11	35.22	140.8	444.7	65.57	385.9	59.84	114.5	2.297	10.91	0.282	16.72
MAX	395	693	541	4340	192	3110	759	888	25	95	2.3	246
MIN	0.98	2.0	38	23	24	13	4.4	4.7	0.13	0.15	0.06	0.00
CFSM	0.47	0.49	1.96	6.19	0.91	5.37	0.83	1.59	0.03	0.15	0.00	0.23
IN.	0.55	0.55	2.26	7.13	0.95	6.19	0.93	1.84	0.04	0.17	0.00	0.26

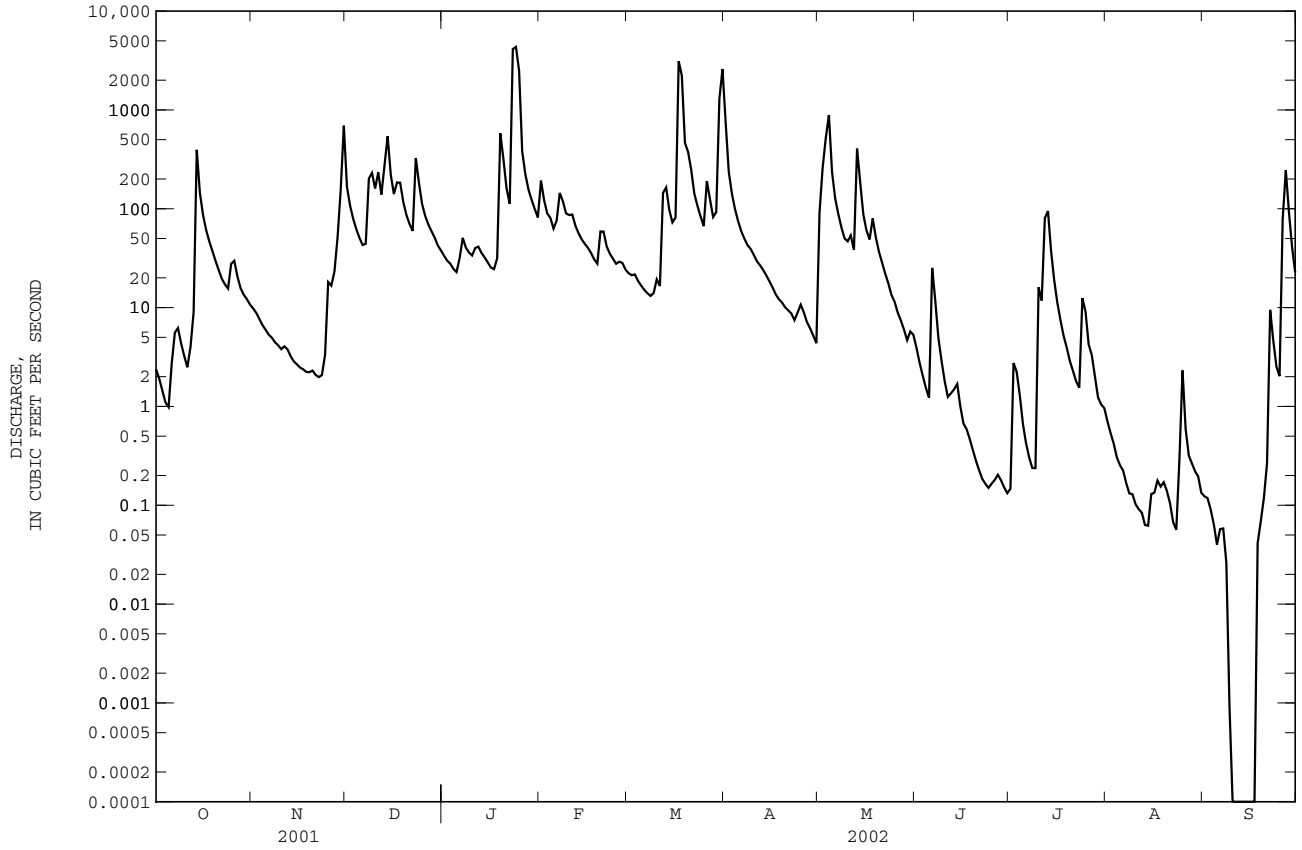
03598250 NORTH FORK CREEK NEAR POPLINS CROSSROADS, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	17.19	32.41	140.8	256.7	170.5	243.2	149.7	57.16	5.891	8.509	25.11	7.961
MAX	51.4	104	226	472	433	386	369	115	12.8	18.6	94.2	24.9
(WY)	1995	1995	1999	1999	2001	2002	1994	2002	2001	1994	2001	1994
MIN	0.002	0.50	25.6	38.3	65.6	147	29.7	3.89	2.30	0.61	0.016	0.000
(WY)	2000	1999	2000	2000	2002	2001	1999	2001	2002	2000	1999	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	33551.25		40326.87			
ANNUAL MEAN	91.92		110.5		90.38	
HIGHEST ANNUAL MEAN					110	2002
LOWEST ANNUAL MEAN					61.7	2000
HIGHEST DAILY MEAN	2630	Feb 16	4340	Jan 24	4700	Jan 23 1999
LOWEST DAILY MEAN	0.20	Jul 3	0.00	Sep 9	0.00	Aug 4 1999
ANNUAL SEVEN-DAY MINIMUM	0.30	Jun 27	0.00	Sep 9	0.00	Aug 4 1999
MAXIMUM PEAK FLOW			7290	Jan 23	7390	Jan 23 1999
MAXIMUM PEAK STAGE			15.59	Jan 23	15.67	Jan 23 1999
INSTANTANEOUS LOW FLOW			a0.00	Sep 9	0.00	Aug 4 1999
ANNUAL RUNOFF (CFSM)	1.28		1.54		1.26	
ANNUAL RUNOFF (INCHES)	17.36		20.86		17.08	
10 PERCENT EXCEEDS	177		183		166	
50 PERCENT EXCEEDS	16		17		9.4	
90 PERCENT EXCEEDS	0.88		0.15		0.03	

a No flow many days, most years.



03599500 DUCK RIVER AT COLUMBIA, TN

LOCATION.--Lat 35°37'05", long 87°01'56", Maury County, Hydrologic Unit 06040003, on right bank 4 ft downstream from bridge on former U.S. Highway 31, 2 blocks north of public square in Columbia, 2.4 mi upstream from Rutherford Creek, and at mile 132.8.

DRAINAGE AREA.--1,208 mi^2.

PERIOD OF RECORD.--October 1904 to December 1908, April 1920 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at same site, 1887-95, 1911 (fragmentary), 1947-71, published in reports of U.S. Weather Bureau. Discharge records furnished by Tennessee Valley Authority, 1983-1991.

REVISED RECORD.--WSP 783: 1929(M). WSP 853: Drainage area. WSP 1306: 1905-9, 1920-22, 1923(M).

GAGE.--Data collection platform. Datum of gage is 535.33 ft above NGVD of 1929, supplementary adjustment of 1955. Prior to Jan. 9, 1925, nonrecording gages near this site; all gages at datum 2.37 ft higher prior to Oct. 1, 1933.

REMARKS.--Records good except for estimated daily discharges, which are fair. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water quality data. Maximum discharge prior to regulation, 61,500 ft^3/s, Mar. 17, 1973; maximum gage height, 51.75 ft Feb. 14, 1948; no flow Oct. 22, 1922, caused by regulation by power plant .75 mi upstream. Flow regulated by Normandy Lake (station 03596460) since January 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1902, reached a stage of 48.0 ft, present datum, discharge, 50,700 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,000 ft^3/s, Jan. 26, gage height, 45.61 ft; minimum discharge, 161 ft^3/s, Sept. 12-14, gage height, 1.47 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	507	8250	968	5250	590	24300	1400	428	221	221	193
2	276	496	3880	814	5670	520	19600	2480	344	216	217	188
3	261	488	2300	724	3720	501	9280	5200	294	222	214	186
4	248	480	1700	676	2740	481	6060	10800	267	217	204	181
5	249	470	1370	694	2280	464	4430	12900	249	223	197	174
6	387	462	1140	681	1780	432	3020	8010	244	218	192	170
7	390	452	945	654	1980	410	2560	5450	724	207	189	174
8	306	448	1470	768	2840	394	2270	4190	736	194	181	184
9	277	447	4260	791	2630	399	2070	2340	408	195	179	176
10	258	441	4380	735	2230	414	1860	1700	277	231	178	171
11	245	435	3330	707	2010	417	1220	1510	253	362	178	166
12	287	431	3720	644	1840	1380	948	1270	259	385	174	162
13	405	428	3770	645	1640	3480	840	1950	251	300	176	161
14	4260	426	6650	624	1480	3060	751	3560	252	1010	227	164
15	6290	421	8590	595	1340	2020	691	3010	245	1150	214	173
16	3300	416	5660	562	1230	1760	631	1750	251	673	206	183
17	1700	414	3850	545	1040	14700	581	1310	244	428	201	188
18	1160	412	4320	545	850	27600	546	1170	232	331	201	218
19	898	411	4460	1670	764	32200	489	1380	225	292	227	228
20	748	412	3180	6670	817	28600	453	1400	207	256	250	219
21	632	411	2180	5760	995	15900	418	887	203	243	417	243
22	544	406	1710	3800	1190	8710	392	653	194	239	257	315
23	479	407	1810	13600	980	5900	364	548	189	e186	233	626
24	444	428	3390	35500	852	4600	375	491	191	e210	248	666
25	454	468	3070	49300	754	3890	413	498	210	e575	257	487
26	441	557	2190	49900	708	3830	395	459	298	425	224	931
27	515	1000	1790	40100	670	4960	384	372	272	313	241	3980
28	602	1820	1550	20100	644	4030	380	317	247	391	226	5330
29	561	6210	1370	8600	---	2850	436	294	228	308	222	2680
30	537	13100	1210	6700	---	6040	406	287	212	256	211	1330
31	521	---	1100	5770	---	18300	---	330	---	234	188	---
TOTAL	27977	33704	98595	259842	50924	198832	86563	77916	8634	10711	6750	20247
MEAN	902.5	1123	3180	8382	1819	6414	2885	2513	287.8	345.5	217.7	674.9
MAX	6290	13100	8590	49900	5670	32200	24300	12900	736	1150	417	5330
MIN	245	406	945	545	644	394	364	287	189	186	174	161
(†)	-1900	-8700	-1200	+2200	-800	+16700	-3300	+1400	-1500	-2700	-3000	-1500
MEAN(‡)	841	833	3140	8450	1790	6950	2780	2560	238	258	121	625
CFSM(†)	.70	.69	2.60	7.00	1.48	5.76	2.30	2.12	.20	.21	.10	.52
IN.(‡)	.80	.77	3.00	8.07	1.54	6.64	2.56	2.44	.22	.25	.12	.58

CAL YR 2000 MEAN(‡) 1870 CFSM(‡) 1.55 IN.(‡) 21.04
WTR YR 2001 MEAN(‡) 2400 CFSM(‡) 1.99 IN.(‡) 26.98

(†) Change in contents, in cfs-days in Normandy Lake.
(‡) Adjusted for change in content.
NOTE.--Contents (cfs-days) for adjustments furnished by Tennessee Valley Authority.

e Estimated

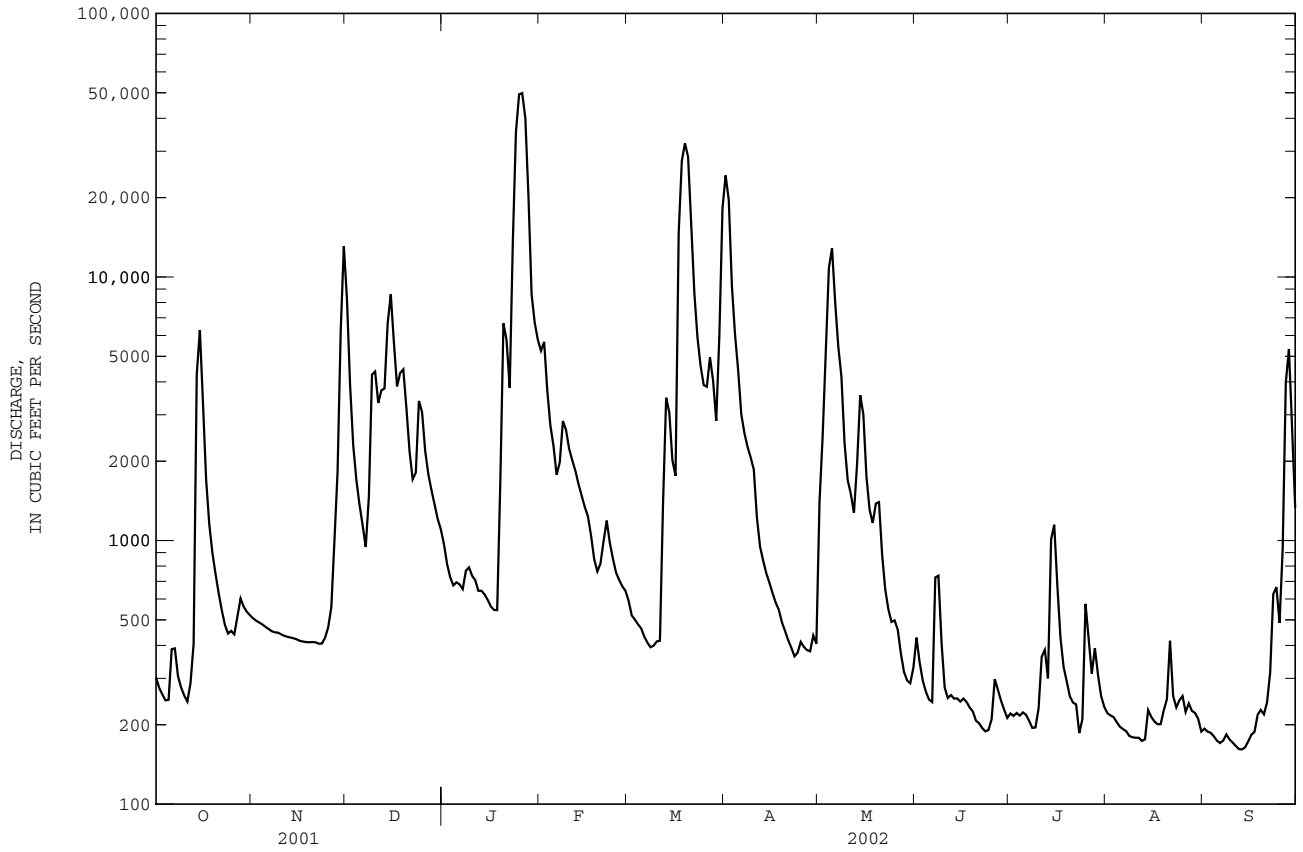
03599500 DUCK RIVER AT COLUMBIA, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, BY WATER YEAR (WY)

MEAN	712.7	2013	3486	3818	3580	4254	2652	1961	1032	652.8	467.6	611.2
MAX	3642	5925	10360	8513	9901	10090	7464	9106	5081	4740	1365	3832
(WY)	1990	1987	1991	1979	1991	1980	1994	1983	1997	1989	1998	1979
MIN	160	236	418	273	953	1104	325	244	167	220	172	150
(WY)	2000	1981	1981	1986	1978	1985	1986	1988	1988	1988	1999	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		*WATER YEARS 1977 - 2002	
ANNUAL TOTAL	682251		880695			
ANNUAL MEAN	1869		2413		2102	
HIGHEST ANNUAL MEAN					3282	1989
LOWEST ANNUAL MEAN					553	1981
HIGHEST DAILY MEAN	35000	Feb 17	49900	Jan 26	52300	Feb 20 1991
LOWEST DAILY MEAN	202	Jul 22	161	Sep 13	86	Oct 4 1982
ANNUAL SEVEN-DAY MINIMUM	213	Jul 19	168	Sep 9	100	Sep 28 1982
MAXIMUM PEAK FLOW			51000	Jan 26	52300	Feb 20 1991
MAXIMUM PEAK STAGE			45.61	Jan 26	45.82	Feb 20 1991
INSTANTANEOUS LOW FLOW			a161	Sep 12	a161	Sep 12 2002
10 PERCENT EXCEEDS	4450		5380		4880	
50 PERCENT EXCEEDS	561		521		726	
90 PERCENT EXCEEDS	257		204		189	

* Regulated period only.
a Also occurred Sept. 13, 14.



03600085 CARTERS CREEK AT PETTY LANE NEAR CARTERS CREEK, TN

LOCATION.--Lat 35°43'39", long 86°59'19", Maury County, Hydrologic Unit 06040003, at bridge on Petty Lane, 0.8 mile north of Carters Creek, and at mile 4.7.

DRAINAGE AREA.--16.6 mi^2.

PERIOD OF RECORD.--October 1986 to current year

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)
NOV													
27...	0915	80020	11	370	14.5	7.3	752	12.5	125	K9300	3500	<2	18.0
FEB													
26...	0900	80020	17	339	8.5	7.8	750	10.7	93	430	360	<2	13.9
MAY													
21...	0915	80020	13	362	13.0	7.7	760	10.5	100	310	430	E1	15.0
AUG													
20...	0935	80020	.32	333	23.5	7.3	750	--	--	K800	1700	<1	18.5

Date	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) (00556)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV													
27...	E.1	<.8	1.5	<1	<.01	<2.0	<2	<.3	<20	<.01	<7	7.0	.21
FEB													
26...	<.1	E.7	<1.0	<1	E.01	<2.0	<2	<.3	<20	<.01	<7	9.0	.41
MAY													
21...	<.1	.9	E.7	<1	<.01	<2.0	<2	<.3	<20	<.01	<7	4.0	.14
AUG													
20...	<.1	<.8	<1.0	<1	<.01	<2.0	<2	<.3	E10	<.01	<7	5.0	.0

Date	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	BENZENE 1,2,4-TRICHLORO-WAT UNF REC (UG/L) (34551)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DIPHENYLHYDRAZINE WATER TOT.REC (UG/L) (82626)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L) (34621)	2,4-DICHLOROPHENOL TOTAL (UG/L) (34601)	2,4-DIMETHYLPHENOL TOTAL (UG/L) (34606)	2,4,-DINITROPHENOL TOTAL (UG/L) (34616)	2,4-DINITROTOLUENE TOTAL (UG/L) (34611)	2,6-DINITROTOLUENE TOTAL (UG/L) (34626)	2-CHLORONAPHTHALENE TOTAL (UG/L) (34581)
NOV													
27...	96	<2	<2	<2	<2	<2	<3	<3	<3.0	<20	<3	<2	<2
FEB													
26...	45	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	90	<2	<2	<2	<2	<2	<3	<3	<.7	<3	<3	<2	<2
AUG													
20...	87	--	--	--	--	--	--	--	--	--	--	--	--

Date	2-CHLOROPHENOL TOTAL (UG/L) (34586)	2-NITROPHENOL TOTAL (UG/L) (34591)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L) (34631)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L) (34657)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L) (34636)	PARA-CHLORO-META CRESOL TOTAL (UG/L) (34452)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L) (34641)	4-NITROPHENOL TOTAL (UG/L) (34646)	ACENAPHTHENE TOTAL (UG/L) (34205)	ACENAPHTHYLENE TOTAL (UG/L) (34200)	ANTHRACENE TOTAL (UG/L) (34220)	BENZO[A]ANTHRACENE WAT UNF (UG/L) (34526)	BENZIDINE TOTAL (UG/L) (39120)
NOV													
27...	<2	<3	<3	<3	<2	<3	<2	<3	<2	<2	<2	<2	<40
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<2	<1	<5	<3	<2	<3	<2	<3	<2	<2	<2	<2	<40
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

K--Results based on non-ideal colony count.
E--Estimated

03600085 CARTERS CREEK AT PETTY LANE NEAR CARTERS CREEK, TN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	BENZO-A-PYRENE TOTAL (UG/L) (34247)	BENZO B FLUOR-AN-THENE TOTAL (UG/L) (34230)	BENZO-[GHI]-PERY-LENE TOTAL (UG/L) (34521)	BENZO K FLUOR-AN-THENE TOTAL (UG/L) (34242)	BIS(2-CHLORO-ETHOXY) METHANE TOTAL (UG/L) (34278)	BIS(2-CHLORO-ETHYL) ETHER UNFLTRD RECOVER (UG/L) (34273)	BIS(2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L) (34283)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L) (39100)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L) (34292)	CHRY-SENE TOTAL (UG/L) (34320)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L) (39110)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L) (34596)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L) (34556)
NOV													
27...	<3	<3	<3	<3	<3	<2	<2	<19	<4	<3	<3	<5	<3
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<1	<2	<3	<2	<3	<2	<2	<6	<4	<3	<2	<5	<3
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	DIETHYL PHTHAL-ATE TOTAL (UG/L) (34336)	DI-METHYL PHTHAL-ATE TOTAL (UG/L) (34341)	FLUOR-ANTHENE TOTAL (UG/L) (34376)	FLUOR-ENE TOTAL (UG/L) (34381)	HEXA-CHLORO-BENZENE TOTAL (UG/L) (39700)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	CYCLOPENTADIEN HEXA-CHLORO-UNFLTRD RECOVER (UG/L) (34386)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L) (34403)	ISO-PHORONE TOTAL (UG/L) (34408)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L) (34428)	N-NITRO-SODI-METHYL-AMINE TOTAL (UG/L) (34438)	N-NITRO-SODI-PHENYL-AMINE TOTAL (UG/L) (34433)
NOV													
27...	<2	<2	<2	<2	<2	<3	<2	<2	<3	<2	<2	<3	<3
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<2	<2	<2	<2	<2	<1	<4	<2	<3	<2	<2	<3	<2
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	NAPHTH-ALENE TOTAL (UG/L) (34696)	BENZENE NITRO-WATER UNFLTRD RECOVER (UG/L) (34447)	PENTA-CHLORO-PHENOL TOTAL (UG/L) (39032)	PHENAN-THRENE TOTAL (UG/L) (34461)
NOV				
27...	<5	<2	<4	<2
FEB				
26...	--	--	--	--
MAY				
21...	<5	<2	<4	<2
AUG				
20...	--	--	--	--

03600086 CARTERS CREEK TRIBUTARY NEAR CARTERS CREEK, TN

LOCATION.--Lat 35°43'34", long 86°59'19", Maury County, Hydrologic Unit 06040003, at culvert on Carters Creek Road, 0.7 mile north of Carters Creek.

DRAINAGE AREA.--2.94 mi^2.

PERIOD OF RECORD.--October 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)
NOV													
27...	1020	80020	19	270	16.0	7.2	752	10.9	112	5900	K1800	E1	16.3
FEB													
26...	1000	80020	6.0	601	9.5	7.6	750	10.0	89	120	300	<2	12.9
MAY													
21...	1010	80020	3.2	555	15.5	7.8	760	10.8	109	80	52	E1	12.7
AUG													
20...	1040	80020	.46	601	25.5	7.5	750	--	--	400	1900	2	18.7

Date	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) (00556)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV													
27...	<.1	E.8	1.9	1	E.01	E1.3	<2	<.3	<20	<.01	<7	50	2.5
FEB													
26...	<.1	E.8	1.5	<1	E.01	E1.2	<2	<.3	<20	<.01	<7	4.0	.06
MAY													
21...	<.1	<.8	<1.0	<1	<.01	<2.0	<2	<.3	<20	<.01	<7	28	.24
AUG													
20...	<.1	<.8	<1.0	<1	<.01	<2.0	<2	<.3	<20	<.01	<7	4.0	.0

Date	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	BENZENE 1,2,4-TRICHLORO-WAT UNF REC (UG/L) (34551)	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DIPHENYLHYDRAZINE WATER TOT.REC (UG/L) (82626)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L) (34621)	2,4-DICHLOROPHENOL TOTAL (UG/L) (34601)	2,4-DIMETHYLPHENOL TOTAL (UG/L) (34606)	2,4,-DINITROPHENOL TOTAL (UG/L) (34616)	2,4-DINITROTOLUENE TOTAL (UG/L) (34611)	2,6-DINITROTOLUENE TOTAL (UG/L) (34626)	2-CHLORONAPHTHALENE TOTAL (UG/L) (34581)
NOV													
27...	90	<2	<2	<2	<2	<2	<3	<3	<3.0	<20	<3	<2	<2
FEB													
26...	82	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	83	<2	<2	<2	<2	<2	<3	<3	<.7	<3	<3	<2	<2
AUG													
20...	82	--	--	--	--	--	--	--	--	--	--	--	--

Date	2-CHLOROPHENOL TOTAL (UG/L) (34586)	2-NITROPHENOL TOTAL (UG/L) (34591)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L) (34631)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L) (34657)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L) (34636)	PARA-CHLORO-META CRESOL TOTAL (UG/L) (34452)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L) (34641)	4-NITROPHENOL TOTAL (UG/L) (34646)	ACENAPHTHENE TOTAL (UG/L) (34205)	ACENAPHTHYLENE TOTAL (UG/L) (34200)	ANTHRACENE TOTAL (UG/L) (34220)	BENZO[A]ANTHRACENE WAT UNF (UG/L) (34526)	BENZIDINE TOTAL (UG/L) (39120)
NOV													
27...	<2	<1	<3	<3	<2	<3	<2	<3	<2	<2	<2	<2	<40
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<2	<1	<5	<3	<2	<3	<2	<3	<2	<2	<2	<2	<40
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

K--Results based on non-ideal colony count.
E--Estimated

03600086 CARTERS CREEK TRIBUTARY NEAR CARTERS CREEK, TN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	BENZO-A-PYRENE TOTAL (UG/L) (34247)	BENZO B FLUOR-AN-THENE TOTAL (UG/L) (34230)	BENZO-[GHI]-PERY-LENE TOTAL (UG/L) (34521)	BENZO K FLUOR-AN-THENE TOTAL (UG/L) (34242)	BIS(2-CHLORO-ETHOXY) METHANE TOTAL (UG/L) (34278)	BIS(2-CHLORO-ETHYL) ETHER UNFLTRD RECOVER (UG/L) (34273)	BIS(2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L) (34283)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L) (39100)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L) (34292)	CHRY-SENE TOTAL (UG/L) (34320)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L) (39110)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L) (34596)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L) (34556)
NOV													
27...	<1	<2	<3	<2	<3	<2	<2	<6	<4	<3	<2	<5	<3
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<1	<2	<3	<2	<3	<2	<2	<6	<4	<3	<2	<5	<3
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	DIETHYL PHTHAL-ATE TOTAL (UG/L) (34336)	DI-METHYL PHTHAL-ATE TOTAL (UG/L) (34341)	FLUOR-ANTHENE TOTAL (UG/L) (34376)	FLUOR-ENE TOTAL (UG/L) (34381)	HEXA-CHLORO-BENZENE TOTAL (UG/L) (39700)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	CYCLOPENTADIEN HEXA-CHLORO-UNFLTRD RECOVER (UG/L) (34386)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L) (34403)	ISO-PHORONE TOTAL (UG/L) (34408)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L) (34428)	N-NITRO-SODI-METHYL-AMINE TOTAL (UG/L) (34438)	N-NITRO-SODI-PHENYL-AMINE TOTAL (UG/L) (34433)
NOV													
27...	<2	<2	<2	<2	<2	<3	<2	<2	<3	<2	<2	<3	<3
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<2	<2	<2	<2	<2	<1	<4	<2	<3	<2	<2	<3	<2
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	NAPHTH-ALENE TOTAL (UG/L) (34696)	BENZENE NITRO-WATER UNFLTRD RECOVER (UG/L) (34447)	PENTA-CHLORO-PHENOL TOTAL (UG/L) (39032)	PHENAN-THRENE TOTAL (UG/L) (34461)
NOV				
27...	<5	<2	<4	<2
FEB				
26...	--	--	--	--
MAY				
21...	<5	<2	<4	<2
AUG				
20...	--	--	--	--

03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN

LOCATION.--Lat 35°43'02", long 86°59'45", Maury County, Hydrologic Unit 06040003, on left bank at end of Butler Road bridge, 0.1 mi west of Carters Creek, 0.3 mi upstream from Terrell Branch, 3.7 mi upstream from Rutherford Creek, and at mile 3.7.

DRAINAGE AREA.--20.1 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1986 to current year. Occasional low-flow measurements, water year 1986.

REVISED RECORD.--WDR TN-97-1: 1992-96 (M): 1992-96(P).

GAGE.--Data collection platform, crest-stage gage and concrete weir. Datum of gage is 605.94 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diurnal fluctuation caused by industrial development upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 14	0045	1,200	8.65	Jan 24	0730	2,390	12.66
Nov 29	1245	2,410	12.72	Jan 24	1800	930	7.68
Nov 29	2115	1,810	10.72	Mar 17	0630	*2,640	*13.53
Jan 23	0645	1,150	8.49	Mar 18	0445	1,180	8.58
Jan 23	1600	991	7.90	May 13	0915	1,060	8.14

Minimum discharge, 0.22 ft^3/s, several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.96	6.9	121	17	88	17	165	50	5.3	e1.3	0.57	0.45
2	0.88	6.3	82	15	63	16	106	102	4.5	e1.3	0.44	0.43
3	0.83	5.7	63	15	53	16	78	80	4.2	1.4	0.34	0.38
4	0.93	5.2	51	14	45	14	62	139	4.0	1.1	0.24	0.46
5	9.6	4.9	41	13	38	13	50	73	17	0.87	0.27	0.55
6	36	4.6	35	15	38	13	42	53	10	0.76	0.24	0.31
7	6.6	4.4	41	13	42	12	37	41	6.6	0.68	0.22	0.29
8	3.9	4.2	343	12	41	12	34	33	5.2	0.63	e0.22	0.28
9	2.8	3.9	137	11	38	16	33	29	5.2	2.1	e0.22	0.28
10	2.2	3.7	92	11	37	15	29	29	4.2	2.0	e0.22	0.29
11	1.9	3.6	73	12	34	14	28	28	3.4	1.8	e0.22	0.25
12	49	3.4	63	11	31	70	29	24	3.4	1.4	e0.22	0.24
13	64	3.3	188	10	29	66	25	188	3.8	1.4	e0.22	0.22
14	340	3.3	194	9.5	27	49	22	92	3.3	2.0	0.34	0.27
15	74	3.2	109	8.6	24	39	20	50	2.7	1.1	0.87	2.5
16	48	3.1	81	8.7	23	40	19	36	2.4	0.91	0.93	6.4
17	35	3.0	83	8.4	21	963	17	30	2.0	0.79	1.3	0.87
18	28	2.9	72	17	19	510	16	27	e2.1	0.66	11	2.4
19	24	2.9	59	102	17	193	15	20	e1.4	0.99	8.3	2.0
20	20	4.0	47	68	40	223	14	16	1.3	0.93	0.76	1.3
21	16	2.9	40	49	32	137	13	14	1.0	0.65	0.64	5.8
22	14	2.7	35	39	27	93	15	13	1.1	2.3	0.54	2.2
23	13	2.8	46	612	24	76	12	11	e1.2	2.9	1.9	1.3
24	12	11	39	952	22	62	15	9.8	e1.5	1.2	4.1	0.79
25	20	12	34	269	20	54	18	9.0	1.8	0.84	2.5	0.73
26	15	6.3	31	140	24	69	12	8.4	1.6	0.71	0.82	35
27	12	34	28	98	20	56	10	7.5	1.2	0.72	0.65	90
28	9.9	40	26	77	17	44	11	6.7	1.3	0.72	0.80	28
29	8.4	975	23	65	---	43	12	6.3	e1.2	0.70	0.58	14
30	8.1	309	20	57	---	97	10	6.9	e1.3	0.67	0.53	10
31	7.5	---	18	48	---	370	---	6.9	---	0.70	0.50	---
TOTAL	884.50	1478.2	2315	2797.2	934	3412	969	1239.5	105.2	36.23	40.70	207.99
MEAN	28.53	49.27	74.68	90.23	33.36	110.1	32.30	39.98	3.507	1.169	1.313	6.933
MAX	340	975	343	952	88	963	165	188	17	2.9	11	90
MIN	0.83	2.7	18	8.4	17	12	10	6.3	1.0	0.63	0.22	0.22
CFSM	1.42	2.45	3.72	4.49	1.66	5.48	1.61	1.99	0.17	0.06	0.07	0.34
IN.	1.64	2.74	4.28	5.18	1.73	6.31	1.79	2.29	0.19	0.07	0.08	0.38

e Estimated

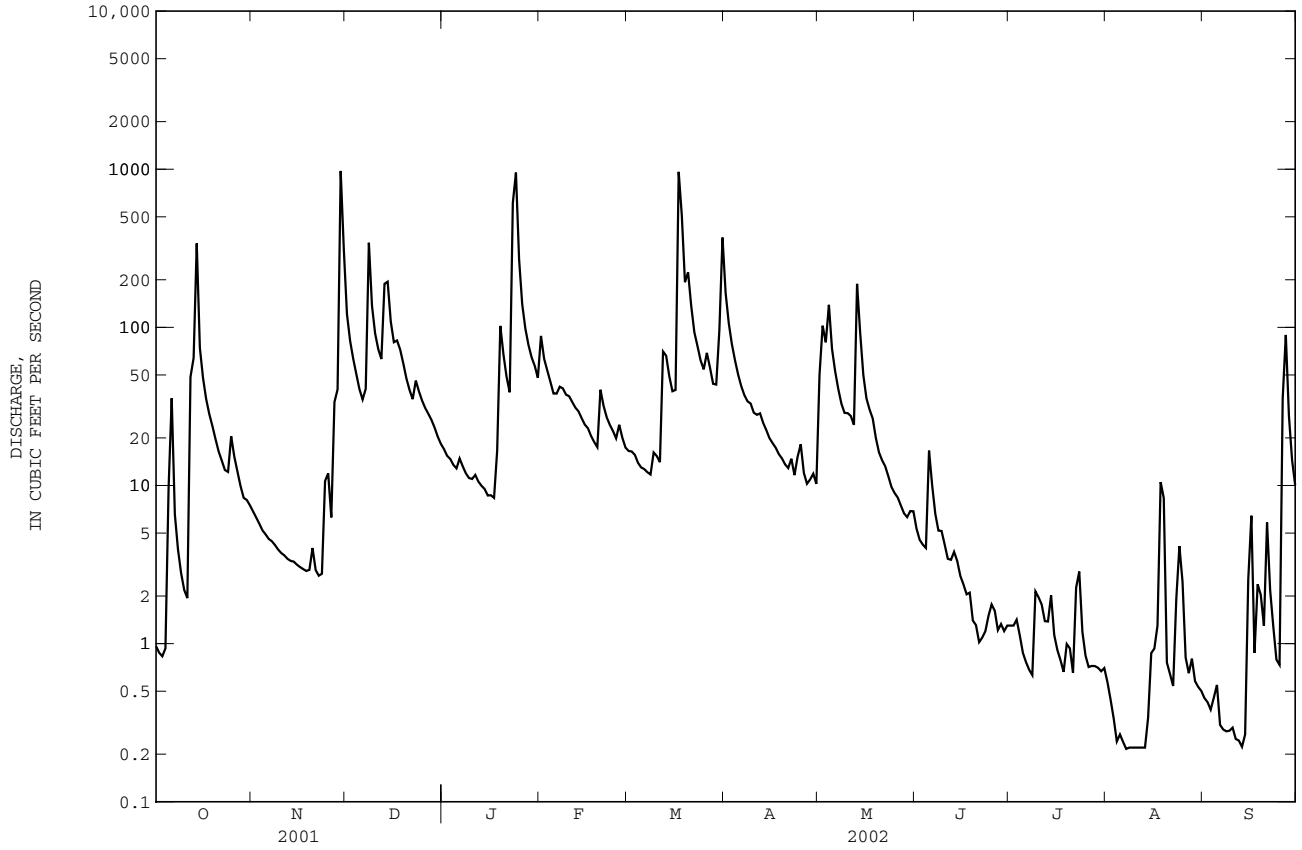
03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

MEAN	8.427	28.08	55.08	61.10	71.13	68.47	37.39	28.75	16.06	9.350	4.060	5.970
MAX	44.8	64.7	126	119	146	138	98.7	93.4	54.2	45.5	13.8	20.3
(WY)	1990	1989	1991	1999	1990	1994	1994	1991	1998	1989	2001	1989
MIN	0.29	1.35	9.79	19.6	20.8	20.5	13.9	3.11	0.51	0.54	0.47	0.64
(WY)	2001	1999	2000	2000	1995	1988	1992	1988	1988	1988	1987	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1987 - 2002	
ANNUAL TOTAL	13983.20		14419.52			
ANNUAL MEAN	38.31		39.51		32.65	
HIGHEST ANNUAL MEAN					50.0	1989
LOWEST ANNUAL MEAN					17.4	1988
HIGHEST DAILY MEAN	1030	Feb 16	975	Nov 29	1430	Feb 3 1990
LOWEST DAILY MEAN	0.83	Oct 3	0.22	Aug 7	0.12	Aug 15 1987
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 28	0.22	Aug 7	0.15	Jun 25 1988
MAXIMUM PEAK FLOW					3300	May 3 1993
MAXIMUM PEAK STAGE					15.90	May 3 1993
INSTANTANEOUS LOW FLOW			a0.22	Aug 7	b0.11	Aug 15 1987
ANNUAL RUNOFF (CFSM)	1.91		1.97		1.62	
ANNUAL RUNOFF (INCHES)	25.88		26.69		22.07	
10 PERCENT EXCEEDS	81		79		69	
50 PERCENT EXCEEDS	15		12		12	
90 PERCENT EXCEEDS	2.9		0.66		0.74	

a Also occurred several days.
b Also occurred Aug. 16, 1987, June 26, 1988.



03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN--Continued

PERIOD OF RECORD.--October 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	FECAL STREP, KF STRP MF, WATER (COL/ 100 ML) (31673)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)
NOV													
27...	1125	80020	38	509	15.0	7.5	752	10.9	110	K7100	2300	<2	21.3
FEB													
26...	1100	80020	24	418	8.5	8.0	750	11.9	103	K680	250	<2	13.9
MAY													
21...	1115	80020	16	385	14.5	8.1	760	11.3	111	260	290	<2	14.9
AUG													
20...	1110	80020	.66	493	25.0	7.6	750	--	--	280	1500	2	21.3

Date	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CYANIDE TOTAL (MG/L AS CN) (00720)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) (00556)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV													
27...	<.1	<.8	1.2	<1	E.01	<2.0	<2	<.3	<20	<.01	<7	17	1.7
FEB													
26...	<.1	E.5	<1.0	<1	<.01	<2.0	<2	<.3	<20	<.01	<7	4.0	.26
MAY													
21...	<.1	<.8	<1.0	<1	<.01	<2.0	<2	<.3	<20	<.01	<7	4.0	.17
AUG													
20...	<.1	<.8	<1.0	<1	<.01	<2.0	E2	<.3	<20	<.01	E4	4.0	.01

Date	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	BENZENE 1,2,4-TRICHLORO-WAT UNF REC (UG/L) (34551)	BENZENE O-DICHLORO-WATER UNFLTRD REC (UG/L) (34536)	1,2-DIPHENYLHYDRAZINE WATER TOT.REC (UG/L) (82626)	BENZENE 1,3-DICHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DICHLORO-WATER UNFLTRD REC (UG/L) (34571)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L) (34621)	2,4-DICHLOROPHENOL TOTAL (UG/L) (34601)	2,4-DIMETHYLPHENOL TOTAL (UG/L) (34606)	2,4,-DINITROPHENOL TOTAL (UG/L) (34616)	2,4-DINITROTOLUENE TOTAL (UG/L) (34611)	2,6-DINITROTOLUENE TOTAL (UG/L) (34626)	2-CHLORONAPHTHALENE TOTAL (UG/L) (34581)
NOV													
27...	92	<2	<2	<2	<2	<2	<3	<3	<3.0	<20	<3	<2	<2
FEB													
26...	92	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	90	<2	<2	<2	<2	<2	<3	<3	<.7	<3	<3	<2	<2
AUG													
20...	93	--	--	--	--	--	--	--	--	--	--	--	--

Date	2-CHLOROPHENOL TOTAL (UG/L) (34586)	2-NITROPHENOL TOTAL (UG/L) (34591)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L) (34631)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L) (34657)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L) (34636)	PARACHLORO-META CRESOL TOTAL (UG/L) (34452)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L) (34641)	4-NITROPHENOL TOTAL (UG/L) (34646)	ACENAPHTHENE TOTAL (UG/L) (34205)	ACENAPHTHYLENE TOTAL (UG/L) (34200)	ANTHRACENE TOTAL (UG/L) (34220)	BENZO[A]ANTHRACENE WAT UNF (UG/L) (34526)	BENZIDINE TOTAL (UG/L) (39120)
NOV													
27...	<2	<1	<3	<3	<2	<3	<2	<3	<2	<2	<2	<2	<40
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<2	<1	<5	<3	<2	<3	<2	<3	<2	<2	<2	<2	<40
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

K--Results based on non-ideal colony count.
E--Estimated

03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	BENZO-A-PYRENE TOTAL (UG/L) (34247)	BENZO B FLUOR-AN-THENE TOTAL (UG/L) (34230)	BENZO-[GHI]-PERY-LENE TOTAL (UG/L) (34521)	BENZO K FLUOR-AN-THENE TOTAL (UG/L) (34242)	BIS(2-CHLORO-ETHOXY) METHANE TOTAL (UG/L) (34278)	BIS(2-CHLORO-ETHYL) ETHER UNFLTRD RECOVER (UG/L) (34273)	BIS(2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L) (34283)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L) (39100)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L) (34292)	CHRY-SENE TOTAL (UG/L) (34320)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L) (39110)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L) (34596)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L) (34556)
NOV													
27...	<3	<3	<3	<3	<3	<2	<2	E3	<4	<3	<3	<5	<3
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<1	<2	<3	<2	<3	<2	<2	<6	<4	<3	<2	<5	<3
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	DIETHYL PHTHAL-ATE TOTAL (UG/L) (34336)	DI-METHYL PHTHAL-ATE TOTAL (UG/L) (34341)	FLUOR-ANTHENE TOTAL (UG/L) (34376)	FLUOR-ENE TOTAL (UG/L) (34381)	HEXA-CHLORO-BENZENE TOTAL (UG/L) (39700)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	CYCLOPENTADIEN HEXA-CHLORO-UNFLTRD RECOVER (UG/L) (34386)	ETHANE HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L) (34403)	ISO-PHORONE TOTAL (UG/L) (34408)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L) (34428)	N-NITRO-SODI-METHYL-AMINE TOTAL (UG/L) (34438)	N-NITRO-SODI-PHENYL-AMINE TOTAL (UG/L) (34433)
NOV													
27...	<2	<2	<2	<2	<2	<3	<2	<2	<3	<2	<2	<3	<3
FEB													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
21...	<2	<2	<2	<2	<2	<1	<4	<2	<3	<2	<2	<3	<2
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	NAPHTH-ALENE TOTAL (UG/L) (34696)	BENZENE NITRO-WATER UNFLTRD RECOVER (UG/L) (34447)	PENTA-CHLORO-PHENOL TOTAL (UG/L) (39032)	PHENAN-THRENE TOTAL (UG/L) (34461)
NOV				
27...	<5	<2	<4	<2
FEB				
26...	--	--	--	--
MAY				
21...	<5	<2	<4	<2
AUG				
20...	--	--	--	--

03601990 DUCK RIVER AT HIGHWAY 100 AT CENTERVILLE, TN

LOCATION.--Lat 35°47'03", long 87°27'36", Hickman County, Hydrologic Unit 06040003, on downstream right bank side of bridge on US Highway 48/100, at Defeated Creek, 0.43 mi northeast of public square in Centerville, 3.5 mi downstream from Swan Creek and at mile 72.6.

DRAINAGE AREA.--2,048 mi^2.

PERIOD OF RECORD.--April 1919 to September 1955, published as "at Centerville." May 2001 to current year.

GAGE.--Data collection platform. Datum of gage is 447.76 ft above NGVD of 1929.

REMARKS.--Records good. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 14, 1948, (from graph through bi-hourly gage readings) at site downstream, 03602000 Duck River at Centerville, TN, 37.58 ft (discharge 97,700 ft/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 30	1030	40,800	27.36	Mar 20	2100	44,200	28.80
Jan 26	0530	*53,500	*32.72	Apr 2	0800	36,400	25.39

Minimum discharge, 407 ft^3/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	656	977	26300	2110	8090	1280	34000	1730	781	613	693	523
2	593	953	11700	1910	7680	1200	36000	3140	865	594	634	494
3	552	927	6620	1710	7360	1110	28900	5330	780	629	585	494
4	520	910	4670	1570	5100	1030	12400	11600	695	644	565	483
5	546	884	3670	1490	4160	965	8850	17300	666	610	559	470
6	898	862	3100	1520	3540	924	6570	15700	720	578	545	459
7	1140	840	2810	1520	3140	877	5230	9600	670	559	523	457
8	949	825	5660	1430	3610	833	4590	7100	990	553	498	445
9	732	813	8330	1490	4240	839	4210	5380	1400	579	488	451
10	649	803	8900	1520	3880	912	3810	3650	1030	598	476	465
11	605	797	7090	1490	3470	870	3340	3000	846	752	476	446
12	1060	782	6120	1450	3170	1620	2590	2610	780	821	472	435
13	2060	772	7710	1360	2870	5060	2270	2710	774	913	463	425
14	9450	764	10500	1320	2560	6120	2060	5270	788	813	468	424
15	10500	755	13400	1290	2330	4760	1900	5670	772	1320	509	431
16	8540	749	12200	1240	2150	3820	1760	4300	739	1660	635	479
17	4800	740	8270	1200	1980	21700	1630	3020	727	1190	602	543
18	3090	734	6800	1250	1730	41300	1670	2510	713	905	652	539
19	2340	736	7270	1870	1500	42200	1520	2250	687	774	565	536
20	1920	751	6270	5500	1700	43200	1400	2370	662	703	580	584
21	1620	744	4840	9850	2070	42300	1300	2210	638	655	579	634
22	1400	729	3710	7060	2030	27300	1240	1680	611	633	693	694
23	1240	723	3390	11100	2060	12700	1150	1400	590	670	658	655
24	1130	778	3840	37100	1800	9060	1130	1240	578	1090	670	872
25	1150	940	5230	51100	1610	7410	1250	1130	650	931	831	1050
26	1180	936	4370	53100	1550	6830	1230	1120	728	1080	744	1230
27	1050	1300	3530	51900	1480	7170	1130	1040	723	927	646	5140
28	1030	3050	3070	47700	1350	7540	1170	946	776	762	591	6890
29	1100	13700	2750	33400	---	5980	1280	866	721	740	585	6270
30	1050	38800	2490	11700	---	6460	1220	817	652	770	559	3370
31	1010	---	2280	9050	---	19800	---	786	---	803	549	---
TOTAL	64560	78074	206890	357300	88210	333170	176800	127475	22752	24869	18093	36388
MEAN	2083	2602	6674	11530	3150	10750	5893	4112	758.4	802.2	583.6	1213
MAX	10500	38800	26300	53100	8090	43200	36000	17300	1400	1660	831	6890
MIN	520	723	2280	1200	1350	833	1130	786	578	553	463	424
(†)	-1900	-8700	-1200	+2200	-800	+16700	-3300	+1400	-1500	-2700	-3000	-1500
MEAN(‡)	2020	2310	6640	11600	3120	11300	5780	4160	708	715	487	1160
CFSM(†)	.99	1.13	3.24	5.66	1.52	5.52	2.82	2.03	.35	.35	.24	.57
IN.(‡)	1.14	1.26	3.74	6.53	1.59	6.35	3.15	2.34	.39	.40	.27	.63

WTR YR 2002 MEAN(‡) 4190 CFSM(‡) 2.05 IN.(‡) 27.79

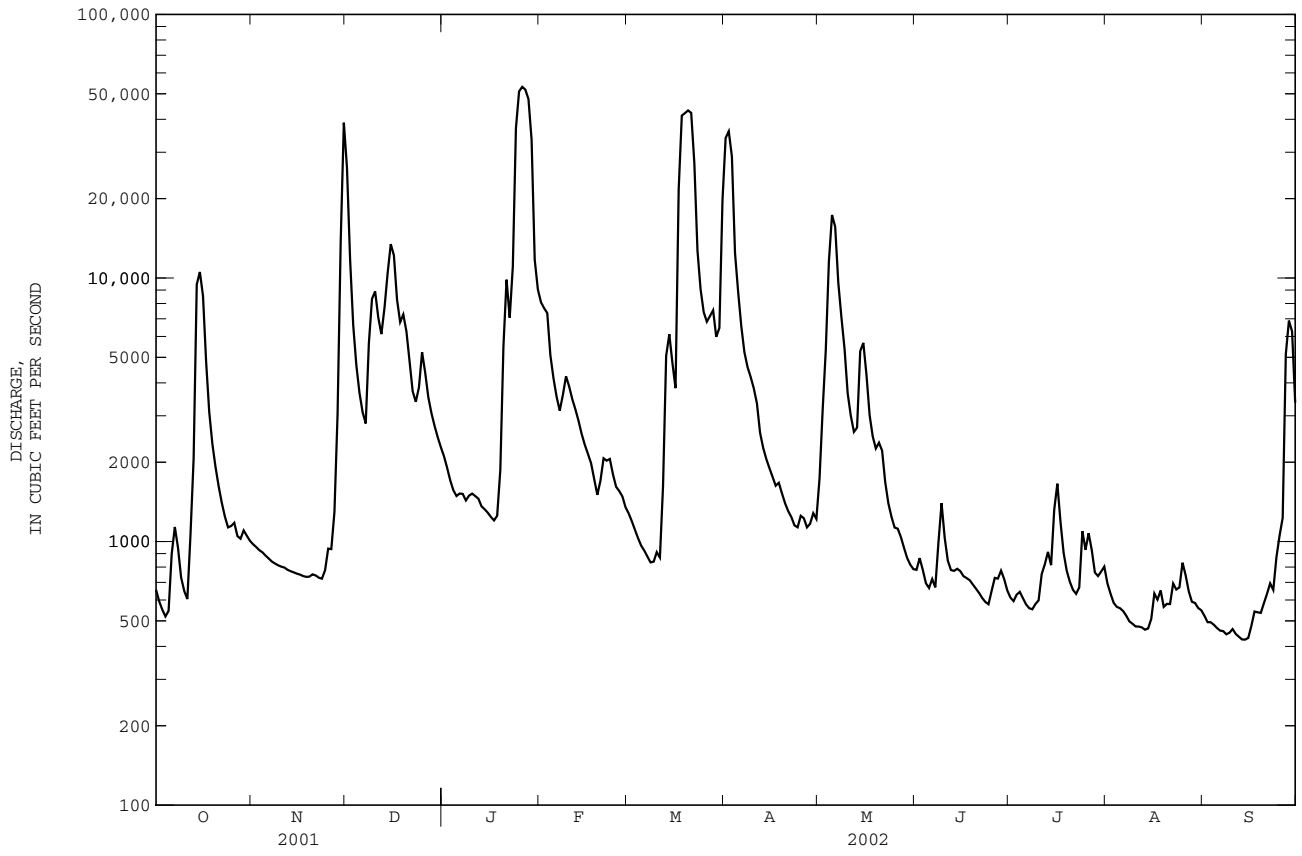
(†) Change in contents, in cfs-days in Normandy Lake.
(‡) Adjusted for chage in content.
NOTE.--Contents (cfs-days) for adjustments furnished by Tennessee Valley Authority.

03601990 DUCK RIVER AT HIGHWAY 100 AT CENTERVILLE, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

MEAN	2083	2602	6674	11530	3150	10750	5893	2594	1093	843.6	1284	975.0
MAX	2083	2602	6674	11530	3150	10750	5893	4112	1427	885	1984	1213
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	2001	2002
MIN	2083	2602	6674	11530	3150	10750	5893	1077	758	802	584	737
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 2001 - 2002	
ANNUAL TOTAL	1534581			
ANNUAL MEAN	4204		4204	
HIGHEST ANNUAL MEAN			4204	2002
LOWEST ANNUAL MEAN			4204	2002
HIGHEST DAILY MEAN	53100	Jan 26	53100	Jan 26 2002
LOWEST DAILY MEAN	424	Sep 14	424	Sep 14 2002
ANNUAL SEVEN-DAY MINIMUM	440	Sep 9	440	Sep 9 2002
MAXIMUM PEAK FLOW	53500	Jan 26	53500	Jan 26 2002
MAXIMUM PEAK STAGE	32.72	Jan 26	32.72	Jan 26 2002
INSTANTANEOUS LOW FLOW	407	Sep 14	407	Sep 14 2002
10 PERCENT EXCEEDS	8960		8960	
50 PERCENT EXCEEDS	1220		1220	
90 PERCENT EXCEEDS	559		559	



03602219 PINEY RIVER AT CEDAR HILL, TN

LOCATION.--Lat 35°59'43", long 87°26'22", Dickson County, Hydrologic Unit 06040003, on right bank 300 ft upstream of Interstate Highway 40 bridge, 0.2 mi southeast of Cedar Hill, 0.5 mi upstream from Double Branch, and at mile 22.

DRAINAGE AREA.--46.6 mi^2.

PERIOD OF RECORD.--October 1987 to current year, discharge for stage of 7.00 ft and below only.

GAGE.--Data collection platform. Datum of gage is 552.20 ft above NGVD of 1929.

REMARKS.--No esitmated daily discharges. Records good. The City of Dickson diverts water for municipal water supply at confluence of West Piney River, 1.6 mi upstream from gage. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined; maximum gage height, 19.78 ft, May 27, 1991; minimum discharge, 6.8 ft^3/s, Oct. 2, 3, 4, 5.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined; maximum gage height, 19.70 ft, Mar. 17; minimum discharge, 6.8 ft^3/s, Oct. 2, 3, 4 5.

DISCHARGE FROM THE DCP, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	14	273	60	241	51	314	110	35	24	21	18
2	7.1	14	214	57	174	51	269	70	35	23	20	18
3	7.0	14	152	53	147	52	188	63	34	24	14	17
4	7.0	14	119	50	125	49	147	69	32	24	19	17
5	10	13	100	49	109	48	123	63	33	23	19	18
6	19	13	90	49	102	47	107	60	52	23	18	17
7	9.6	12	85	46	100	46	97	56	37	22	19	17
8	9.1	12	143	45	95	45	92	52	33	21	18	17
9	8.2	12	137	43	89	62	92	50	32	22	18	17
10	7.9	12	116	42	84	52	81	48	31	27	17	17
11	9.5	12	100	48	80	50	74	46	30	30	18	17
12	93	11	129	45	75	62	71	44	29	25	18	17
13	123	11	321	43	72	65	68	189	29	28	18	16
14	294	11	317	42	68	63	65	166	29	25	18	17
15	169	11	249	41	66	76	62	113	28	24	23	18
16	81	11	183	39	65	81	58	89	29	23	52	21
17	52	11	190	39	62	285	55	79	28	22	29	19
18	41	11	172	46	60	296	52	72	27	22	23	19
19	32	11	141	98	58	326	51	63	26	22	22	19
20	28	11	117	100	64	308	49	58	26	21	21	20
21	24	11	101	91	60	290	48	52	25	21	20	26
22	22	11	93	82	58	287	50	49	25	22	19	20
23	20	11	193	258	56	222	46	46	25	36	18	18
24	20	23	145	332	54	175	60	44	25	28	18	18
25	28	17	119	336	53	144	55	42	24	23	21	18
26	19	14	105	283	58	263	49	50	24	21	21	88
27	18	161	95	202	54	223	47	43	25	21	20	181
28	17	110	86	158	52	175	47	40	28	20	19	85
29	16	291	78	132	---	162	45	39	25	20	18	54
30	15	284	69	127	---	222	44	38	24	21	18	43
31	14	---	65	114	---	281	---	36	---	22	18	---
TOTAL	1228.1	1174	4497	3150	2381	4559	2606	2039	885	730	635	907
MEAN	39.62	39.13	145.1	101.6	85.04	147.1	86.87	65.77	29.50	23.55	20.48	30.23
MAX	294	291	321	336	241	326	314	189	52	36	52	181
MIN	7.0	11	65	39	52	45	44	36	24	20	14	16
CFSM	0.85	0.84	3.11	2.18	1.82	3.16	1.86	1.41	0.63	0.51	0.44	0.65
IN.	0.98	0.94	3.59	2.51	1.90	3.64	2.08	1.63	0.71	0.58	0.51	0.72

THIS PAGE IS INTENTIONALLY BLANK

03602500 PINEY RIVER AT VERNON, TN

LOCATION.--Lat 35°52'17", long 87°30'00", Hickman County, Hydrologic Unit 06040003, on left bank upstream from county highway bridge, 375 ft upstream from Pretty Creek, 0.2 mi northwest of Vernon, 2.3 mi downstream from Mill Creek, 6.5 mi north of Centerville, and at mile 8.3.

DRAINAGE AREA.--193 mi^2.

PERIOD OF RECORD.--July 1925 to December 1993. January 1994 to October 2000, crest-stage partial record station. November 2000 to current year.

REVISED RECORDS.--WSP 758: 1927(M). WSP 823: Drainage area. WSP 1306: Drainage area at site used Feb. 9, 1931, to May 10, 1934. WSP 1436: 1926(M), 1927, 1929, 1930-31(M), 1932, 1934(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 461.72 ft above NGVD of 1929. Prior to May 11, 1934, nonrecording gage; July 3, 1925, to Feb. 8, 1931, at site 350 ft upstream at datum 3.17 ft higher; Feb. 9, 1931, to May 10, 1934, at site 0.4 mi downstream at datum 0.40 ft higher. May 11, 1934, to Sept. 30, 1970, water-stage recorder at site 350 ft upstream; prior to June 29, 1965, at datum 3.17 ft higher, and 2.17 ft higher thereafter.

REMARKS.--Records good except for estimated daily discharges, which are fair. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR PERIOD OF RECORD.--Flood of March 1897 reached a stage of 20.7 ft, present site and datum, discharge, 37,000 ft^3/s, from reports by Tennessee Valley Authority.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 14	0400	7,190	11.54	Mar 18	0115	*25,600	*18.88
Nov 29	2315	19,700	16.96	Mar 20	1230	11,000	13.51
Jan 24	1245	12,100	14.05	Mar 31	1415	5,380	10.39
Mar 17	1015	4,200	9.54				

Minimum discharge, 55 ft^3/s, Oct. 4, 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	101	1660	259	720	196	1980	447	166	105	95	73
2	58	99	972	241	642	196	1210	381	162	102	92	73
3	57	102	701	228	580	197	897	352	156	103	89	72
4	57	97	561	215	521	186	721	394	150	102	86	70
5	59	93	464	207	457	180	618	398	e190	99	84	70
6	91	91	405	206	427	176	546	372	e230	97	83	69
7	73	89	375	196	416	174	495	345	e255	94	81	69
8	65	88	536	185	392	170	463	318	262	130	79	67
9	64	87	626	179	368	199	451	297	223	116	78	66
10	62	85	551	176	355	229	399	282	198	e200	77	65
11	68	85	478	193	330	214	366	261	182	e290	77	64
12	293	83	450	181	313	261	347	244	172	134	76	64
13	417	82	2040	172	299	295	329	1050	171	163	76	63
14	3200	81	1600	167	281	302	327	821	161	150	76	64
15	805	81	1100	162	271	316	310	573	149	122	83	66
16	469	80	822	155	265	358	294	464	143	112	138	70
17	338	80	764	153	252	4070	283	412	138	108	185	70
18	271	79	730	173	239	9720	269	390	131	104	99	73
19	230	80	636	292	230	2590	257	332	126	106	90	72
20	198	82	548	392	252	5820	249	299	122	100	86	77
21	176	78	477	373	237	2450	242	273	118	97	84	97
22	157	77	433	339	224	1350	235	254	115	96	81	78
23	144	78	585	645	216	994	224	238	114	128	81	72
24	140	100	552	5480	208	813	235	223	114	203	81	69
25	171	146	489	2340	207	690	253	210	111	122	82	71
26	141	109	445	1260	221	981	223	235	110	108	85	261
27	127	675	411	887	209	813	215	209	111	101	80	1550
28	119	682	379	696	200	698	253	194	120	97	79	484
29	113	9860	347	594	---	635	226	187	111	95	77	276
30	109	7330	312	561	---	747	217	182	108	94	75	199
31	104	---	287	504	---	2900	---	173	---	100	74	---
TOTAL	8434	20880	20736	17811	9332	38920	13134	10810	4619	3778	2709	4534
MEAN	272.1	696.0	668.9	574.5	333.3	1255	437.8	348.7	154.0	121.9	87.39	151.1
MAX	3200	9860	2040	5480	720	9720	1980	1050	262	290	185	1550
MIN	57	77	287	153	200	170	215	173	108	94	74	63
CFSM	1.41	3.61	3.47	2.98	1.73	6.51	2.27	1.81	0.80	0.63	0.45	0.78
IN.	1.63	4.02	4.00	3.43	1.80	7.50	2.53	2.08	0.89	0.73	0.52	0.87

e Estimated

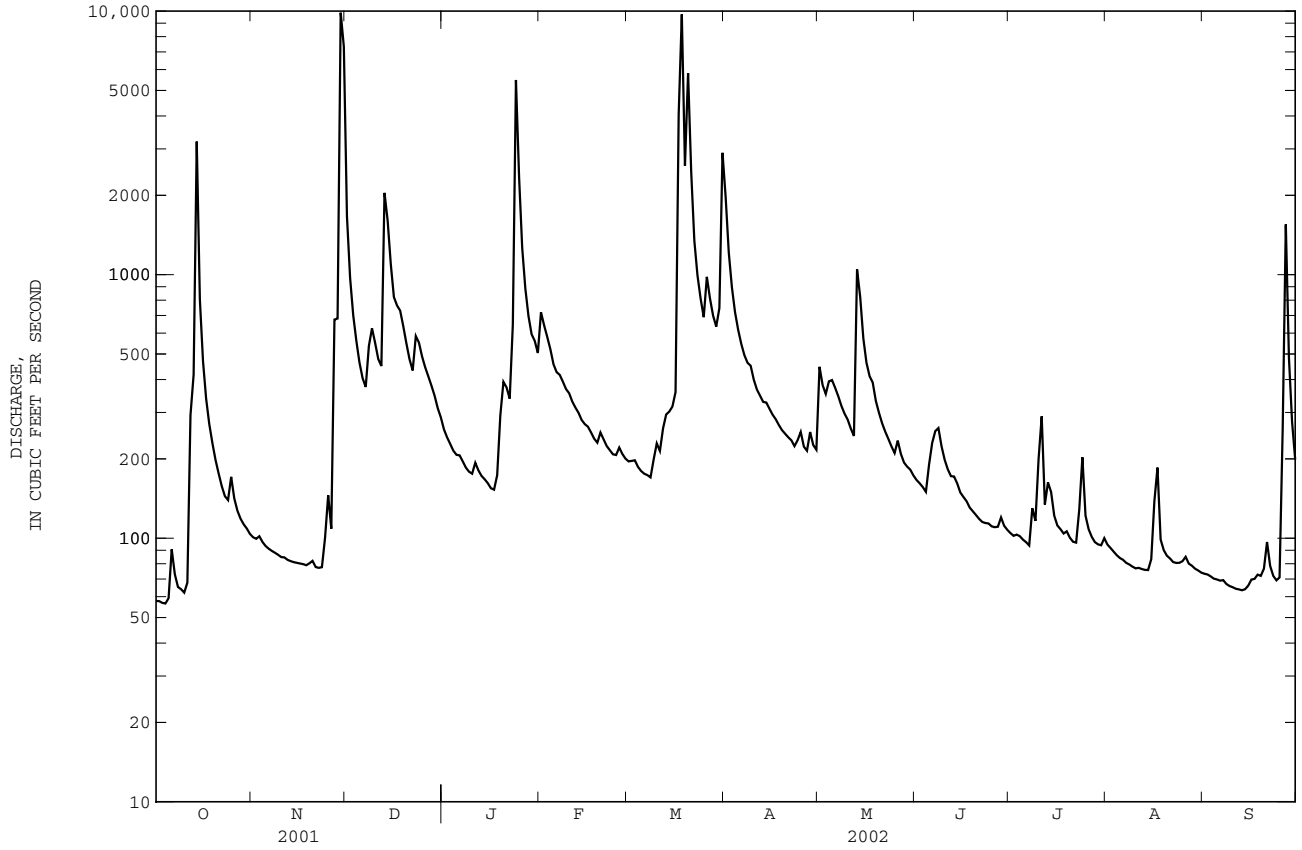
03602500 PINEY RIVER AT VERNON, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2002, BY WATER YEAR (WY)

MEAN	103.4	177.9	359.7	493.4	565.2	619.8	498.7	393.9	212.8	139.3	113.5	106.3
MAX	272	749	2535	1930	1704	2091	1393	1715	1041	340	258	685
(WY)	2002	1958	1927	1937	1932	1975	1927	1983	1974	1972	1938	1979
MIN	52.5	64.9	66.2	84.4	115	109	137	84.9	59.8	61.4	49.3	47.0
(WY)	1932	1957	1936	1940	1941	1941	1967	1941	1941	1942	1936	1936

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1925 - 2002	
ANNUAL TOTAL	101786		155697			
ANNUAL MEAN	278.9		426.6		316.6	
HIGHEST ANNUAL MEAN					684	1927
LOWEST ANNUAL MEAN					102	1941
HIGHEST DAILY MEAN	9860	Nov 29	9860	Nov 29	31200	Dec 21 1926
LOWEST DAILY MEAN	57	Oct 3	57	Oct 3	38	Aug 19 1936
ANNUAL SEVEN-DAY MINIMUM	58	Sep 29	65	Sep 9	38	Aug 19 1936
MAXIMUM PEAK FLOW			25600	Mar 18	49400	May 27 1991
MAXIMUM PEAK STAGE			18.88	Mar 18	24.42	May 27 1991
INSTANTANEOUS LOW FLOW			a55	Oct 4	b35	Sep 19 1936
ANNUAL RUNOFF (CFSM)	1.44		2.21		1.64	
ANNUAL RUNOFF (INCHES)	19.62		30.01		22.29	
10 PERCENT EXCEEDS	472		709		619	
50 PERCENT EXCEEDS	120		198		151	
90 PERCENT EXCEEDS	70		76		73	

a Also occurred Oct. 5.
b Also occurred Sept. 20, 1936.



03604000 BUFFALO RIVER NEAR FLAT WOODS, TN

LOCATION.--Lat 35°29'45", long 87°49'58", Perry County, Hydrologic Unit 06040004, on right bank 0.4 mi downstream from Little Opossum Creek, 0.5 mi downstream from bridge on State Highway 13, 1.3 mi north of Flat Woods, 3.9 mi upstream from Sinking Creek, and at mile 58.7.

DRAINAGE AREA.--447 mi^2.

PERIOD OF RECORD.--May 1920 to current year.

REVISED RECORDS.--WSP 758: 1933. WSP 803: 1935. WSP 823: Drainage area. WSP 1436: 1921(M), 1922-24, 1925(M), 1927(M), 1934(M), WRD TN-71: 1970.

GAGE.--Data collection platform. Datum of gage is 513.58 ft above NGVD of 1929, determined by levels run by Army Engineers December 1926 and July 1927, from BM-39, datum of 1929. Prior to May 27, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1897, that of May 27, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 14	1900	9,030	12.94	Mar 18	unknown	12,300	15.55
Nov 30	0630	27,100	23.97	Apr 1	0115	9,060	12.97
Jan 24	1900	*29,500	*24.84	May 4	1645	5,740	9.94

Minimum daily discharge, 172 ft^3/s, Sept. 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	328	5590	515	1170	696	7290	700	422	277	417	215
2	244	319	2310	495	1160	685	3060	891	395	292	341	210
3	238	313	1570	484	1080	683	2010	1320	376	376	287	207
4	232	306	1250	475	1030	647	1530	4600	363	336	263	203
5	229	300	1060	459	975	622	1260	3530	362	296	247	198
6	239	291	907	459	927	608	1080	1880	382	267	235	191
7	282	285	825	473	937	599	973	1440	362	252	229	186
8	274	282	1070	456	956	587	908	1210	350	243	218	181
9	255	282	1780	432	944	592	911	1050	340	332	210	179
10	244	290	1560	420	921	639	825	955	331	286	208	178
11	243	300	1250	420	908	621	728	910	324	273	217	176
12	463	298	1090	416	868	1080	684	811	321	296	222	174
13	1960	294	1410	403	819	2000	663	867	323	357	209	172
14	6760	291	2870	396	776	1630	630	1330	353	454	214	173
15	4360	288	2820	389	745	e1350	601	1110	352	516	220	175
16	1940	286	1850	376	729	e3300	574	943	326	475	256	181
17	1270	283	1470	367	704	e8000	550	828	313	403	270	188
18	975	280	1460	368	678	e12000	538	784	307	335	278	193
19	806	278	1310	503	656	7420	517	747	297	302	266	200
20	688	281	1130	1090	801	3460	500	652	287	315	239	215
21	602	281	997	1060	1080	3080	476	602	279	307	253	231
22	536	276	895	908	979	2150	470	555	271	280	259	250
23	487	274	892	5820	909	1670	461	523	264	311	236	228
24	452	295	943	25400	857	1400	445	503	261	342	272	210
25	455	380	867	e15000	806	1230	479	481	272	533	346	202
26	483	408	774	e7000	801	1250	484	476	343	450	302	278
27	434	480	715	e4000	781	1370	447	470	330	360	258	2460
28	398	1310	651	1900	730	1190	455	443	333	310	246	1670
29	371	7770	610	1590	---	1080	495	435	313	279	235	966
30	354	22300	574	1390	---	1200	512	417	290	264	226	655
31	339	---	542	1210	---	4780	---	466	---	327	221	---
TOTAL	26866	39649	43042	74674	24727	67619	30556	31929	9842	10446	7900	10945
MEAN	866.6	1322	1388	2409	883.1	2181	1019	1030	328.1	337.0	254.8	364.8
MAX	6760	22300	5590	25400	1170	12000	7290	4600	422	533	417	2460
MIN	229	274	542	367	656	587	445	417	261	243	208	172
MED	434	293	1090	484	888	1230	588	811	328	311	246	201
CFSM	1.94	2.96	3.11	5.39	1.98	4.88	2.28	2.30	0.73	0.75	0.57	0.82
IN.	2.24	3.30	3.58	6.21	2.06	5.63	2.54	2.66	0.82	0.87	0.66	0.91

e Estimated

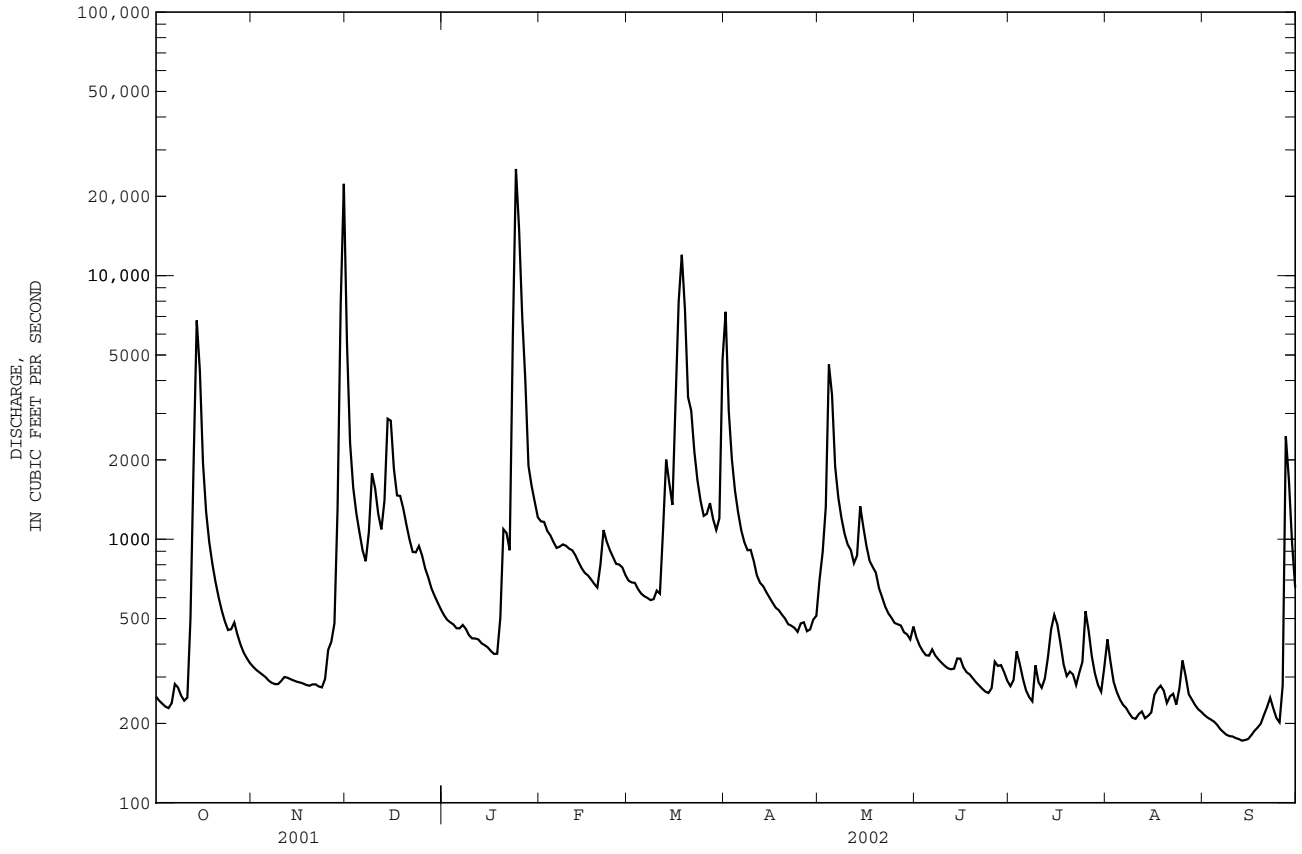
03604000 BUFFALO RIVER NEAR FLAT WOODS, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2002, BY WATER YEAR (WY)

MEAN	288.6	528.1	928.5	1218	1363	1477	1174	879.3	464.0	369.7	288.4	273.7
MAX	1418	2554	3568	3854	4901	4405	3034	5227	1642	1824	1008	1286
(WY)	1933	1958	1927	1937	1948	1973	1964	1991	1974	1932	1923	1979
MIN	112	174	213	234	316	458	303	210	146	121	117	94.2
(WY)	1932	1925	1964	1940	1926	1966	1986	1942	1941	1943	1925	1925

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1920 - 2002	
ANNUAL TOTAL	327658		378195			
ANNUAL MEAN	897.7		1036		766.6	
HIGHEST ANNUAL MEAN					1583	1973
LOWEST ANNUAL MEAN					323	1942
HIGHEST DAILY MEAN	22300	Nov 30	25400	Jan 24	75800	May 27 1991
LOWEST DAILY MEAN	229	Oct 5	172	Sep 13	65	Sep 9 1925
ANNUAL SEVEN-DAY MINIMUM	243	Sep 30	175	Sep 9	71	Sep 5 1925
MAXIMUM PEAK FLOW			29500	Jan 24	a96300	May 27 1991
MAXIMUM PEAK STAGE			24.84	Jan 24	b32.19	May 27 1991
INSTANTANEOUS LOW FLOW			c172	Sep 13	65	Sep 9 1925
ANNUAL RUNOFF (CFSM)	2.01		2.32		1.71	
ANNUAL RUNOFF (INCHES)	27.27		31.47		23.30	
10 PERCENT EXCEEDS	1460		1650		1440	
50 PERCENT EXCEEDS	476		470		395	
90 PERCENT EXCEEDS	282		232		179	

a From rating curve extended above 50,000 ft^3/s, on basis of slope-area and contracted opening measurements and rainfall-runoff study.
b From high-water mark in gage house.
c Also occurred Sept. 14.



03605078 CYPRESS CREEK AT CAMDEN, TN

LOCATION.--Lat 36°02'49", long 88°04'33", Benton County, Hydrologic Unit 06040005, on left bank, adjacent to southwest corner of third sewage lagoon at Camden Sewage Treatment Plant, 1.5 mi southeast of Camden, and 1.4 mi upstream from Kentucky Lake.

DRAINAGE AREA.--27.3 mi^2.

PERIOD OF RECORD.--January 1992 to current year, discharge for stage of 4.30 ft and below only.

GAGE.--Water-stage recorder. Datum of gage is 360.00 ft above NGVD of 1929, determined by the city of Camden, Tennessee.

REMARKS.--No estimated daily discharges. Records good. Periodic observations of specific conductance and water temperature are published in this report as miscellaneous water-quality data.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined; maximum gage height, 11.41 ft, Sept. 27, 2002; minimum discharge, 0.0 ft^3/s, Sept. 2-19, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined; maximum gage height, 11.41 ft, Sept. 27; minimum discharge, 0.32 ft^3/s, Sept. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	6.0	---	15	---	15	---	16	---	3.4	2.4	1.4
2	1.1	10	68	13	49	16	---	15	77	3.6	2.0	1.4
3	0.98	31	44	14	38	15	56	12	40	4.5	1.5	1.3
4	0.87	13	34	13	29	11	40	14	23	4.3	1.3	1.2
5	3.6	9.9	27	12	26	11	33	13	14	4.1	1.2	1.2
6	7.8	7.8	28	23	25	11	28	10	13	4.0	1.1	1.2
7	2.3	7.3	---	17	37	11	25	8.5	13	3.5	1.0	0.97
8	1.7	6.5	---	14	32	11	25	6.6	12	3.4	0.94	0.82
9	1.5	6.0	---	13	26	20	47	6.2	8.5	3.2	0.85	0.76
10	1.9	5.7	65	14	25	14	32	6.6	6.7	3.4	0.83	0.77
11	23	5.7	42	25	20	12	26	6.0	6.2	6.6	0.78	0.70
12	12	5.7	---	16	18	32	23	5.6	6.1	5.2	0.71	0.70
13	---	5.7	---	14	16	25	20	---	5.8	3.9	0.74	0.70
14	---	5.4	---	13	15	19	19	---	5.7	3.4	1.0	0.81
15	---	5.3	---	12	15	16	18	47	5.3	3.4	1.2	1.4
16	37	5.3	---	11	17	30	15	22	5.1	3.1	2.0	1.3
17	21	5.3	---	11	14	---	13	---	4.9	2.7	4.0	1.4
18	15	5.3	---	32	13	---	13	---	4.9	2.6	2.7	1.4
19	12	7.9	59	---	14	---	12	95	4.6	2.5	2.3	1.3
20	12	10	41	70	---	---	11	---	4.5	2.3	2.0	4.1
21	9.7	6.9	32	42	37	---	10	---	4.1	2.1	1.9	13
22	7.9	6.1	---	---	25	83	11	---	3.9	2.1	1.9	7.1
23	7.4	5.9	---	---	22	54	8.9	---	3.7	5.4	1.8	2.9
24	14	---	---	---	19	42	11	---	3.4	19	1.7	0.98
25	27	---	53	---	17	36	15	---	3.7	6.3	3.2	0.40
26	10	35	39	---	30	---	9.3	---	5.0	2.9	8.1	---
27	7.8	---	32	---	19	---	8.3	29	5.0	2.1	5.0	---
28	6.9	---	27	36	16	64	33	---	4.6	1.8	2.8	---
29	6.8	---	24	37	---	---	31	---	4.2	1.7	2.4	12
30	6.5	---	18	39	---	---	15	---	3.7	1.9	1.9	5.8
31	6.3	---	16	34	---	---	---	---	---	3.0	1.7	---
TOTAL	265.15	218.7	649	540	614	548	608.5	312.5	301.6	121.4	62.95	67.01
MEAN	9.470	9.113	38.18	22.50	23.62	26.10	21.73	19.53	10.40	3.916	2.031	2.482
MAX	37	35	68	70	49	83	56	95	77	19	8.1	13
MIN	0.87	5.3	16	11	13	11	8.3	5.6	3.4	1.7	0.71	0.40
CFSM	0.35	0.33	1.40	0.82	0.87	0.96	0.80	0.72	0.38	0.14	0.07	0.09
IN.	0.36	0.30	0.88	0.74	0.84	0.75	0.83	0.43	0.41	0.17	0.09	0.09

THIS PAGE IS INTENTIONALLY BLANK

03606500 BIG SANDY RIVER AT BRUCETON, TN

LOCATION.--Lat 36°02'19", long 88°13'42", Carroll County, Hydrologic Unit 06040005, on right bank on downstream end of abutment of county bridge, 700 ft downstream from bridge on U.S. Highway 70, 0.6 mi upstream from Cherry Creek, 0.9 mi east of Bruceton, and at mile 31.6

DRAINAGE AREA.--205 mi^2.

PERIOD OF RECORD.--July 1929 to November 1988, January 2002 to September 2002.

REVISED RECORDS.--WSP 853: Drainage area. WSP 923: 1929-35.

GAGE.--Data collection platform. Datum of gage is 380.58 ft above NGVD of 1929. Prior to March 1, 1940, nonrecording gage at same site

REMARKS.--Records good except for estimated discharges, which are poor. Periodic observations of water temperature and specific conductance are published in the report as miscellaneous water-quality data.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1897 reached a stage of 18 ft, discharge 25,000 ft^3/s, and flood in March 1919 reaced a stage of 17 ft, discharge, 21,000 ft^3/s, from reports by Tennessee Valley Authority.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 26	1036	2,390	12.15	Mar 31	2100	2,010	11.60
Mar 19	0100	9,760	15.27	Sep 28	0445	*12,500	*15.76
Mar 22	1130	2,220	11.93				

Minimum discharge, 54 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR JANUARY 2002 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	167	647	154	1880	149	176	71	84	69
2	---	---	---	159	570	150	1720	160	144	75	71	67
3	---	---	---	161	301	162	613	142	128	79	66	63
4	---	---	---	153	248	144	288	178	e120	80	62	61
5	---	---	---	152	207	138	234	168	e118	73	59	59
6	---	---	---	223	205	136	211	132	e160	70	57	58
7	---	---	---	232	272	137	196	115	156	70	56	58
8	---	---	---	180	311	135	202	105	125	71	56	56
9	---	---	---	169	239	163	316	104	e105	83	56	55
10	---	---	---	e168	220	229	231	115	e100	141	56	55
11	---	---	---	e230	198	165	192	134	e115	218	94	54
12	---	---	---	e215	182	361	182	117	e140	104	76	54
13	---	---	---	e175	170	506	177	424	e150	138	61	54
14	---	---	---	e168	161	277	171	342	151	159	77	58
15	---	---	---	e162	160	197	164	169	e115	100	87	75
16	---	---	---	e160	187	245	152	126	e96	83	99	72
17	---	---	---	e160	177	1230	147	350	e90	74	188	69
18	---	---	---	e450	161	4640	165	410	e90	71	112	70
19	---	---	---	682	157	7200	145	194	e92	73	85	64
20	---	---	---	590	405	3410	134	152	e90	97	77	90
21	---	---	---	309	301	2530	126	135	e88	77	72	349
22	---	---	---	225	195	2180	119	123	e85	69	67	156
23	---	---	---	457	172	967	110	122	e83	87	63	93
24	---	---	---	1720	162	346	118	120	e81	104	61	75
25	---	---	---	2120	158	271	213	120	e95	89	309	69
26	---	---	---	2300	212	884	146	204	e100	77	495	734
27	---	---	---	1210	185	707	127	210	88	69	411	7600
28	---	---	---	339	161	357	197	186	90	64	119	10300
29	---	---	---	272	---	280	138	436	87	62	86	4200
30	---	---	---	288	---	490	114	448	83	74	77	1700
31	---	---	---	274	---	1630	---	267	---	142	72	---
TOTAL	---	---	---	14270	6724	30421	8928	6157	3341	2844	3411	26537
MEAN	---	---	---	460.3	240.1	981.3	297.6	198.6	111.4	91.74	110.0	884.6
MAX	---	---	---	2300	647	7200	1880	448	176	218	495	10300
MIN	---	---	---	152	157	135	110	104	81	62	56	54
CFSM	---	---	---	2.25	1.17	4.79	1.45	0.97	0.54	0.45	0.54	4.31
IN.	---	---	---	2.59	1.22	5.52	1.62	1.12	0.61	0.52	0.62	4.82

e Estimated

03606500 BIG SANDY RIVER AT BRUCETON, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	121.1	259.1	350.8	508.8	443.7	502.8	396.6	304.0	181.1	152.3	126.9	147.3
MAX	534	995	1011	2712	1235	1478	1292	1423	956	929	613	885
(WY)	1973	1958	1950	1937	1950	1975	1979	1983	1974	1972	1971	2002
MIN	42.0	65.7	88.1	90.8	96.4	84.6	89.2	51.6	41.8	32.9	39.7	35.7
(WY)	1944	1955	1964	1963	1941	1941	1967	1941	1941	1943	1956	1942

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	102633			
ANNUAL MEAN	375.9		290.1	
HIGHEST ANNUAL MEAN			632	1950
LOWEST ANNUAL MEAN			77.8	1941
HIGHEST DAILY MEAN	10300	Sep 28	15500	Jan 21 1935
LOWEST DAILY MEAN	54	Sep 11	28	Aug 17 1943
ANNUAL SEVEN-DAY MINIMUM	55	Sep 7	29	Aug 17 1943
MAXIMUM PEAK FLOW	a19600	Nov 29	a19600	Nov 29 2001
MAXIMUM PEAK STAGE	b16.60	Nov 29	b16.60	Nov 29 2001
INSTANTANEOUS LOW FLOW	c54	Sep 9	c28	Aug 17 1943
ANNUAL RUNOFF (CFSM)	1.83		1.41	
ANNUAL RUNOFF (INCHES)	18.62		19.22	
10 PERCENT EXCEEDS	502		640	
50 PERCENT EXCEEDS	150		124	
90 PERCENT EXCEEDS	67		53	

a From rating curve extended above 9,200 ft^3/s.
b Peak stage from crest-stage gage, outside period of recroded stage.
c Also occurred Aug. 18, 19, 22, Sept. 1, 1943.

RESERVOIRS IN TENNESSEE RIVER BASIN

03468500 DOUGLAS LAKE.--Lat 35°57'40", long 83°32'20", Sevier County, Hydrologic Unit 06010107, at Douglas Dam on French Broad River, 6.5 mi north of Sevierville, and at mile 32.3. DRAINAGE AREA, 4,541 mi^2. PERIOD OF RECORD, February 1943 to current year. GAGE,water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir formed by concrete main dam and 10 saddle dams. Spillway equipped with 11 radial gates, each 32 ft high by 40 ft wide and 8 sluice gates 10 ft high by 5.67 ft wide. Closure of dam was made Feb. 19, 1943; water in reservoir first reached minimum pool elevation Feb. 25, 1943. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,002.00 ft, top of gates, is 743,600 cfs-days, of which 631,200 cfs-days is controlled storage above elevation 940.00 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 760,000 cfs-days, July 25, 1949, elevation, 1,001.79 ft; minimum after first filling, 1,000 cfs-days, Jan. 16, 1956, elevation, 883.7 ft, estimated.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 598,200 cfs-days, June 10, elevation, 992.69 ft; minimum, 106,300 cfs-days, Dec. 21, elevation, 940.08 ft.

03476000 SOUTH HOLSTON LAKE.--Lat 36°31'15", long 82°05'11", Sullivan County, Hydrologic Unit 06010102, 470 ft upstream from South Holston Dam on South Fork Holston River, 7.0 mi southeast of Bristol, Virginia-Tennessee, and at mile 49.8. DRAINAGE AREA, 703 mi^2. PERIOD OF RECORD, November 1950 to current year. GAGE, water-stage recorder. Datum of gage is sea level. Prior to May 11, 1951, non-recording gage at same site and datum.

REMARKS.--Reservoir is formed by rock and rolled earthfill dam. Spillway is uncontrolled morning-glory type, 128 ft in diameter with six piers, each 3 ft wide to guide flow spilling into a concrete-lined shaft and tunnel 34 ft in diameter.Closure of dam was made Nov. 20, 1950; water in reservoir first reached minimum pool elevation Jan. 25, 1951. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,742.00 ft, spillway crest, is 385,200 cfs-days, of which 220,800 cfs-days is controlled storage above elevation 1,675.00 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 363,800 cfs-days, May 10, 1984, elevation, 1,736.86 ft; minimum after first filling, 57,700 cfs-days, Jan. 13, 1956, elevation, 1,614.15 ft.

EXTREMES FOR CURRENT YEAR.--Maximim contents, 327,800 cfs-days, May 14, elevation 1,727.97 ft: minimum, 232,000 cfs-days, Jan. 18, elevation, 1,699.74 ft.

03483500 WATAUGA LAKE.--Lat 36°19'20", long 82°07'16", Carter County, Hydrologic Unit 06010103, at Watauga Dam on Watauga River, 5 mi east of Elizabethton, and at mile 36.7. DRAINAGE AREA, 468 mi^2. PERIOD OF RECORD, December 1948 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by rock and rolled earthfill dam. Spillway is uncontrolled morning-glory type, 128 ft in diameter with six piers, each 3 ft wide to guide flow spilling into a concrete-lined shaft and tunnel 34 ft in diameter.Closure of dam was made Dec. 1, 1948; water in reservoir first reached minimum pool elevation Dec. 31, 1948. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,975.00 ft, spillway crest, is 341,300 cfs-days, of which 178,500 cfs-days is controlled storage above elevation 1,915.00 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 300,800 cfs-days, Apr. 19, 1987, elevation, 1,963.28 ft; minimum after first filling, 25,100 cfs-days, Jan. 13, 1956, elevation, 1,813.47 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 268,000 cfs-days, May 30, elevation, 1,953.20 ft; minimum, 224,000 cfs-days, Mar. 13, elevation, 1,938.26 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03468500 DOUGLAS LAKE			03476000 SOUTH HOLSTON LAKE			03483500 WATAUGA LAKE		
Sept. 30...	976.24	394,600	-	1,715.14	281,500	-	1,944.28	241,200	-
Oct. 31...	961.34	249,300	-145,300	1,709.88	263,900	-17,600	1,942.74	236,700	-4,500
Nov. 30...	947.74	148,800	-100,500	1,704.54	246,800	-17,100	1,940.51	230,300	-6,400
Dec. 31...	941.52	113,400	-35,400	1,701.95	238,700	-8,100	1,940.33	229,800	-500
CAL YR 2001	-	-	-5,500	-	-	+4,000	-	-	+4,800
Jan. 31...	950.20	164,700	+51,300	1,704.17	245,600	+6,900	1,943.97	240,300	+10,500
Feb. 28...	949.66	161,100	-3,600	1,703.85	244,600	-1,000	1,940.20	229,600	-10,700
Mar. 31...	974.20	372,700	+211,600	1,718.96	294,800	+50,200	1,945.57	244,900	+15,300
Apr. 30...	984.04	484,500	+111,800	1,725.70	319,200	+24,400	1,950.16	258,600	+13,700
May 31...	992.24	591,900	+107,400	1,727.28	325,200	+6,000	1,953.10	267,700	+9,100
June 30...	992.46	595,000	+3,100	1,723.17	309,900	-15,300	1,951.59	263,000	-4,700
July 31...	990.08	562,200	-32,800	1,721.70	304,600	-5,300	1,948.87	254,700	-8,300
Aug. 31...	976.56	398,100	-164,100	1,713.97	277,500	-27,100	1,943.73	239,600	-15,100
Sept. 30...	971.19	341,600	-56,500	1,708.93	260,800	-16,700	1,943.13	237,800	-1,800
WTR YR 2002	-	-	-53,000	-	-	-20,700	-	-	-3,400

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03486800 BOONE LAKE.--Lat 36°26'26", long 82°26'16", Sullivan County, Hydrologic Unit 06010102, at Boone Dam on South Fork Holston River, 0.7 mi northeast of Spurgeon, 1.3 mi downstream from Watauga River, and at mile 18.6. DRAINAGE AREA, 1,840 mi^2. PERIOD OF RECORD, December 1952 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by gravity nonover-flow type concrete dam. Spillway is equipped with five radial gates, each 35 ft high by 35 ft wide. Storage began Dec. 16, 1952; water in reservoir first reached minimum pool elevation Jan. 5, 1953. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,385.0 ft, top of gates, is 97,500 cfs-days, of which 74,800 cfs-days is controlled storage above elevation 1,330 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 99,100 cfs-days, May 19, 1964, elevation 1,384.99 ft; minimum after first filling, 21,300 cfs-days, Jan. 23, 1956, elevation, 1,327.06 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 93,500 cfs-days, July 5, elevation, 1,383.16 ft; minimum, 38,100 cfs-days, Dec. 20, elevation, 1,347.00 ft.

03487000 FORT PATRICK HENRY LAKE.--Lat 36°29'53", long 82°30'32", Sullivan County, Hydrologic Unit 06010102, at Fort Patrick Henry Dam on South Fork Holston River, 0.2 mi upstream from bridge on U. S. Highway 23, 4.5 mi southeast of Kingsport, and at mile 8.2. DRAINAGE AREA, 1,903 mi^2. PERIOD OF RECORD, October 1953 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by gravity nonover-flow type concrete dam. Spillway is equipped with five radial gates, each 35 ft high by 35 ft wide. Storage began Oct. 27, 1953; water in reservoir first reached minimum pool elevation Dec. 8, 1953. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,263 ft, top of gates, is 13,600 cfs-days, of which 2,200 cfs-days is controlled storage above elevation 1,258 ft, normal minimum pool. Reservoir is used for navigation, flood control and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,000 cfs-days, Feb. 11, 1954, elevation, 1,263.80 ft, minimum after first filling, 2,690 cfs-days, Sept. 19, 1986, elevation, 1,226.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 13,600 cfs-days, June 3, elevation, 1,263.07 ft; minimum, 11,400 cfs-days, Aug. 13, elevation, 1,257.84 ft.

03493500 CHEROKEE LAKE.--Lat 36°10'00", long 83°29'55", Jefferson County, Hydrologic Unit 06010104, at Cherokee Dam on Holston River, 0.3 mi upstream from bridge on State Highway 92, 2.7 mi upstream from Mill Spring Creek, 2.8 mi north of Jefferson City, and at mile 52.3. DRAINAGE AREA, 3,429 mi^2. PERIOD OF RECORD, December 1941 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with nine radial gates, each 32 ft high by 40 ft wide. Storage began Dec. 5, 1941; water in reservoir first reached minimum pool elevation Jan. 6, 1942. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,075.0 ft, top of gates, is 778,400 cfs-days, of which 580,300 cfs-days is controlled storage above elevation 1,020.0 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 779,400 cfs-days, May 11, 1944, maximum elevation, 1,074.47 ft May 30, 1973; minimum after first filling, 48,400 cfs-days, Jan. 7, 1954, elevation, 980.77 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 644,400 cfs-days, June 3, elevation, 1,065.80 ft; minimum, 251,100 cfs-days, Jan. 18, elevation, 1,027.90 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03486800 BOONE LAKE			03487000 FORT PATRICK HENRY LAKE			03493500 CHEROKEE LAKE		
Sept. 30...	1,378.60	84,100	-	1,261.01	12,700	-	1,055.00	505,000	-
Oct. 31...	1,372.58	73,000	-11,100	1,259.38	12,000	-700	1,043.60	385,200	-119,800
Nov. 30...	1,353.17	45,000	-28,000	1,262.08	13,200	+1,200	1,036.60	320,500	-64,700
Dec. 31...	1,348.76	40,000	-5,000	1,261.75	13,000	-200	1,031.91	281,600	-38,900
CAL YR 2001	-	-	-8,300	-	-	+300	-	-	33,400
Jan. 31...	1,354.67	46,800	+6,800	1,261.42	12,900	-100	1,035.19	308,400	+26,800
Feb. 28...	1,364.12	59,500	+12,700	1,261.25	12,800	-100	1,038.54	337,600	+29,200
Mar. 31...	1,371.59	71,400	+11,900	1,258.69	11,700	-1,100	1,056.29	523,200	+185,600
Apr. 30...	1,375.33	77,900	+6,500	1,260.91	12,600	+900	1,061.21	584,000	+60,800
May 31...	1,381.50	90,000	+12,100	1,261.77	13,000	+400	1,065.53	640,800	+56,800
June 30...	1,381.37	89,700	-300	1,260.94	12,700	-300	1,063.15	609,100	-31,700
July 31...	1,381.52	90,000	+300	1,261.42	12,900	+200	1,060.18	571,000	-38,100
Aug. 31...	1,381.95	90,900	+900	1,262.05	13,100	+200	1,051.54	468,400	-102,600
Sept. 30...	1,376.01	79,200	-11,700	1,261.87	13,100	0	1,047.46	424,300	-44,100
WTR YR 2002	-	-	-4,900	-	-	+400	-	-	-80,700

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03499500 FORT LOUDOUN LAKE.--Lat 35°47'30", long 84°14'35", Loudon County, Hydrologic Unit 06010201, at Fort Loudoun Dam on Tennessee River, 1 mi northeast of Lenoir City, and at mile 602.3. DRAINAGE AREA, 9,550 mi^2. PERIOD OF RECORD, July 1943 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir formed by concrete dam with earth embankment. Spillway equipped with 14 radial gates, each 32 ft high by 40 ft wide. Closure of dam was made Aug. 2, 1943; water in reservoir first reached ordinary minimum pool elevation Sept. 4, 1943. Revised capacity table put into use Jan. 19, 1980. Total level pool capacity at elevation 815.00 ft, top of gates, is 424,000 cfs-days, of which 120,000 cfs-days is controlled flood storage above elevation 807.00 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power. Tellico-Fort Loudoun canal was opened Jan. 19, 1980. Canal is 1,000 ft long, and interconnects Tellico and Fort Loudoun Lakes at the dam. Spillway gates of Tellico Dam were closed Feb. 7, 1980, diverting all flow from Little Tennessee River.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 815.14 ft, May 8, 1984; minimum after first filling, 805.54 ft, Jan. 18, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 186,800 cfs-days, Mar. 18; maximum elevation, 813.55 ft, May 6; minimum contents, 149,200 cfs-days, Mar. 14, minimum elevation, 807.98 ft, Mar. 14. Contents based on backwater profile.

03519800 TELLICO LAKE.--Lat 35°46'53", long 84°15'10", Loudon County, Hydrologic Unit 06010201, at Tellico Dam on Little Tennessee River, 1.1 mi south of Lenoir City, and at mile 0.4. DRAINAGE AREA, 2,627 mi^2. PERIOD OF RECORD, December 1979 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir formed by concrete dam with earth embankment. Spillway equipped with 3 radial gates, each 42 ft high by 40 ft wide. Closure of dam was made Nov. 29, 1979; water in reservoir first reached ordinary minimum pool elevation Dec. 24, 1979. Total capacity at elevation 815.00 ft, top of gates, is 225,500 cfs-days, of which 63,800 cfs-days is controlled storage above elevation 807.00 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and indirectly, power. Tellico-Fort Loudoun canal was opened Jan. 19, 1980. Canal is 1,000 ft long, and interconnects Tellico and Fort Loudoun Lakes at the dam. Spillway gates of Tellico Dam were closed Feb. 7, 1980, diverting all flow from Little Tennessee River.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 228,700 cfs-days, May 8, 1984, elevation, 815.37 ft; minimum after first filling, 155,300 cfs-days, Feb. 17, 1997, elevation, 807.30 ft; minimum elevation, 806.96 ft, Jan. 14, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 203,000 cfs-days, May 6, elevation, 813.68 ft; minimum, 161,300 cfs-days, Mar. 14, elevation, 808.15 ft.

03532500 NORRIS LAKE.--Lat 36°13'29", long 84°05'29", Anderson County, Hydrologic Unit 06010205, at Norris Dam on Clinch River, 2.5 mi northwest of Norris, and at mile 79.8. DRAINAGE AREA, 2,912 mi^2. PERIOD OF RECORD, June 1935 to current year. GAGE, water-stage recorder. Datum of stage is 0.11 ft above sea level. Gage readings have been reduced to sea level.

REMARKS.--Reservoir is formed by concrete gravity dam with three drum gates, each 100 ft wide by 14 ft high. Some storage began in June 1935; dam was completely closed and placed in operation Mar. 4, 1936; water in reservoir first reached minimum pool elevation Mar. 24, 1936 Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,034.11 ft, top of gates, is 1,286,600 cfs-days, of which 969,000 cfs-days is controlled storage above elevation 960.11 ft normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,236,700 cfs-days, Feb. 11, 1937, elevation, 1,031.21 ft; minimum after first filling, 75,500 cfs-days, Jan. 24, 1956, elevation, 909.46 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,017,000 cfs-days, May 28, elevation, 1019.32 ft; minimum, 542,100 cfs-days, Jan. 17, elevation, 984.82 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	*03499500	FORT LOUDOUN LAKE		03519800	TELLICO LAKE		03532500	NORRIS LAKE	
Sept. 30...	812.85	181,900	-	813.01	197,700	-	1,007.01	823,300	-
Oct. 31...	812.55	179,700	-2,200	812.73	195,500	-2,200	997.92	698,100	-125,200
Nov. 30...	809.07	155,400	-24,300	809.25	169,200	-26,300	993.12	637,700	-60,400
Dec. 31...	808.93	154,500	-900	809.10	168,100	-1,100	988.32	581,100	-56,600
CAL YR 2001	-	-	-300	-	-	0	-	-	+56,000
Jan. 31...	809.21	156,300	+1,800	809.40	170,300	+2,200	997.93	698,200	+117,700
Feb. 28...	808.83	153,800	-2,500	808.95	167,000	-3,300	997.09	687,400	-10,800
Mar. 31...	809.65	159,300	+5,500	809.86	173,700	+6,700	1,012.83	911,200	+223,800
Apr. 30...	812.57	179,900	+20,600	812.64	194,800	+21,100	1,015.88	959,900	+48,700
May 31...	812.60	180,100	+200	812.74	195,600	+800	1,019.35	1,017,400	+57,500
June 30...	812.43	178,800	-1,300	812.56	194,200	-1,400	1,016.06	962,800	-54,600
July 31...	812.04	176,000	-2,800	812.16	191,100	-3,100	1,010.44	874,300	-88,500
Aug. 31...	812.23	177,400	+1,400	812.35	192,600	+1,500	1,003.27	770,000	-104,300
Sept. 30...	811.14	169,600	-7,800	811.30	184,500	-8,100	997.06	687,000	-83,000
WTR YR 2002	-	-	-12,300	-	-	-13,200	-	-	-135,700

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03535900 MELTON HILL LAKE.--Lat 35°53'04", long 84°18'01", Loudon-Roane County line, Hydrologic Unit 06010207, 9 mi southwest of Oak Ridge, 19 mi west of Knoxville, 57 mi downstream from Norris Dam on Clinch River, and at mile 23.1. DRAINAGE AREA, 3,343 mi^2. PERIOD OF RECORD, August 1962 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway is equipped with three radial gates, each 42 ft high by 40 ft wide. Dam completed and storage began May 1, 1963; water in reservoir first reached minimum pool elevation May 23, 1963. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 796 ft, top of gates, is 63,500 cfs-days, of which 16,100 cfs-days is controlled storage above elevation 790.0 ft, normal minimum pool. Reservoir is used for navigation, power, and recreation.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 64,900 cfs-days, Mar. 16, 1973, elevation, 796.45 ft; minimum after first filling, 35,100 cfs-days, Feb. 9, 1966, elevation, 784.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 63,200 cfs-days, Mar. 18, elevation, 795.90 ft; minimum, 47,400 cfs-days, Apr. 7, elevation, 789.98 ft.

03543000 WATTS BAR LAKE.--Lat 35°37'13", long 84°47'00", Rhea County, Hydrologic Unit 06010201, at Watts Bar Dam on Tennessee River, 6.5 mi southeast of Spring City, 72.4 mi downstream from Fort Loudoun Dam, and at mile 529.9. DRAINAGE AREA, 17,310 mi^2, approximately. PERIOD OF RECORD, October 1941 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with 20 radial gates, each 32 ft high by 40 ft wide, also one 2-section leaf trashway gate 16.3 ft high by 24 ft wide. Storage began with partial closure Dec. 12, 1941, and final closure Jan. 1, 1942; water in reservoir first reached minimum navigation pool elevation Feb. 17, 1942. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 745.0 ft, top of gates, is 592,400 cfs-days, of which 191,000 cfs-days is controlled flood storage above elevation 735.0 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 745.40 ft, Mar. 17, 1973; minimum after first filling, 733.44 ft, Mar. 20, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 576,900 cfs-days, Mar. 18; maximum elevation, 744.36 ft, Mar. 19; minimum midnight contents, 404,900 cfs-days, Mar. 10; minimum elevation , 734.80 ft, Mar. 11. Contents based on backwater profile.

03564000 LAKE OCOEE.--Lat 35°05'40", long 84°38'53", Polk County, Hydrologic Unit 06020003, at Lake Ocoee Dam on Ocoee River at Parksville, 13.8 mi east of Cleveland, and at mile 11.9. DRAINAGE AREA, 595 mi^2. PERIOD OF RECORD, June 1914 to current year. Prior to October 1953, published as "Parksville (Ocoee No. 1) Reservoir," and October 1953 to September 1968, as "Parksville Lake." GAGE, nonrecording gage. Datum of gage is 6.89 ft above sea level. Gage readings have been reduced to sea level.

REMARKS.--Reservoir is formed by concrete dam with 347 ft of spillway. Spillway is equipped with four floodgates, each 6 ft high by 20 ft wide and 265 ft of flashboards about 5.7 ft high. Crest of spillway under gates is at elevation 830.82 ft; remainder of spillway is 1.0 ft higher. Dam completed and storage began in 1911. Capacity of reservoir has been considerably reduced by silting. Revised capacity table put into use Jan. 1, 1979.Total capacity at elevation 837.55 ft, about top of flashboards, is 42,300 cfs-days, of which 15,600 cfs-days is controlled storage above elevation 817.9 ft, normal minimum pool. Reservoir is used for power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum midnight contents observed, 53,300 cfs-days, July 9, 1916; maximum midnight elevation observed, 840.2 ft, Feb. 10, 1946; minimum contents observed, 27,300 cfs-days, Jan. 27, 1956, elevation, 817.7 ft; minimum midnight elevation observed, 814.8 ft, Dec. 14, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 41,000 cfs-days, Sept. 28, elevation, 836.59 ft; minimum 32,400 cfs-days, Dec. 31, elevation, 826.89 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03535900 MELTON HILL LAKE			*03543000 WATTS BAR LAKE			03564000 LAKE OCOEE		
Sept. 30...	793.99	57,600	-	740.04	490,600	-	835.49	39,900	-
Oct. 31...	793.68	56,700	-900	739.52	480,700	-9,900	834.09	38,500	-1,400
Nov. 30...	793.28	55,600	-1,100	737.94	451,600	-29,100	831.89	36,500	-2,000
Dec. 31...	792.79	54,300	-1,300	735.73	413,400	-38,200	827.39	32,800	-3,700
CAL YR 2001	-	-	-2,200	-	-	-1,800	-	-	0
Jan. 31...	791.21	50,300	-4,000	735.97	417,400	+4,000	827.99	33,300	+500
Feb. 28...	793.36	55,900	+5,600	736.12	419,900	+2,500	827.79	33,100	-200
Mar. 31...	792.65	54,000	-1,900	739.52	480,700	+60,800	831.99	36,600	+3,500
Apr. 30...	793.33	55,800	+1,800	740.40	497,500	+16,800	824.59	39,000	+2,400
May 31...	794.48	59,000	+3,200	740.71	503,500	+6,000	834.99	39,400	+400
June 30...	794.82	60,000	+1,000	740.06	490,900	-12,600	835.39	39,800	+400
July 31...	793.72	56,800	-3,200	740.13	492,300	+1,400	834.59	39,000	-800
Aug. 31...	793.84	57,200	+400	740.09	491,500	-800	834.99	39,400	+400
Sept. 30...	793.96	57,500	+300	739.90	487,900	-3,600	834.99	39,400	0
WTR YR 2002	-	-	-100	-	-	-2,700	-	-	-500

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03566500 CHICKAMAUGA LAKE.--Lat 35°06'07", long 85°13'42", Hamilton County, Hydrologic Unit 06020001, at Chickamauga Dam on Tennessee River, 5.8 mi northeast of Chattanooga, 58.9 mi downstream from Watts Bar Dam, and at mile 471.0. DRAINAGE AREA, 20,790 mi^2, approximately. PERIOD OF RECORD, October 1939 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with eighteen 2-section lift gates, each 40.44 ft high by 40 ft wide. Storage began Feb. 6, 1940; water in reservoir first reached minimum navigation pool elevation Mar. 10, 1940. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 685.44 ft, top of gates, is 372,600 cfs-days, of which 175,000 cfs-days is controlled flood storage above elevation 675.0 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 686.19 ft, Mar. 29, 1994; minimum after first filling, 673.27 ft, Jan. 21, 1942.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 336,400 cfs-days, May 4; maximum elevation, 683.81 ft, May 9; minimum midnight contents, 206,500 cfs-days, Mar. 11; minimum elevation, 675.05 ft, Jan. 7. Contents based on backwater profile.

03570520 NICKAJACK LAKE.--Lat 35°00'07", long 85°37'14", Marion County, Hydrologic Unit 06020001, at Nickajack Dam on Tennessee River, 2 mi upstream from Sequatchie River, 5 mi south of Jasper, 46.3 mi downstream from Chickamauga Dam, and at mile 424.7. DRAINAGE AREA, 21,870 mi^2, approximately. PERIOD OF RECORD, December 1967 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with earth embankments on each side. The spillway, with crest at elevation 595.0 ft, is equipped with 10 radial gates, each 40 ft high by 40 ft wide. A trash gate, 5.5 ft high by 15 ft wide, is located between the spillway and powerhouse. Dam was completed and storage began on Dec. 14, 1967. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 635.0 ft, top of gates, is 127,200 cfs-days, of which 16,200 cfs-days is controlled storage above elevation 632.0 ft, ordinary minimum. Reservoir is used for navigation and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 634.99 ft, Apr. 19, 1969; minimum after first filling, 630.82 ft, Feb. 20, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 152,700 cfs-days, Jan. 25; maximum elevation, 634.54 ft, July 31; minimum midnight contents, 116,100 cfs-days, Nov. 12; minimum elevation, 632.00 ft, Dec. 13. Contents based on backwater profile.

03579000 WOODS RESERVOIR.--Lat 35°17'54", long 86°05'48", Franklin County, Hydrologic Unit 06030003, at Elk River Dam on Elk River, 1.2 mi upstream from Spring Creek, 2.5 mi northeast of Estill Springs, 6.8 mi upstream from bridge on U.S. Highway 41-A, and at mile 170.0. DRAINAGE AREA, 263 mi^2. PERIOD OF RECORD, May 1952 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete gravity and earthfill-type dam with riprapped embankments. Spillway equipped with three radial gates, each 25 ft high by 50 ft wide, and two sluice gates, each 6 ft high by 4 ft wide. Closure of dam was made May 1, 1952; water in reservoir first reached minimum pool elevation Feb. 6, 1953. Total capacity at elevation 962.0 ft, surcharge pool, is 44,400 cfs-days, of which 9,900 cfs- days is controlled storage above elevation 957.0 ft, normal minimum pool. Reservoir is used for cooling water, flood control, and recreational purposes.

COOPERATION.--Twice-daily gage readings (0600 and 2400 hours) furnished by U.S. Air Force.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 42,300 cfs-days, April 21 and 22, 1956, elevation, 960.98 ft; minimum after first filling, 26,300 cfs-days, Nov. 8-11, 1953, elevation, 951.93 ft.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 145,900 cfs-days, May 7, elevation, 959.92 ft; minimum midnight contents, 35,900 cfs-days, Jan. 27; elevation, 957.73 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	*03566500 CHICKAMAUGA LAKE			*03570520 NICKAJACK LAKE			03579000 WOODS RESERVOIR		
Sept. 30...	681.15	290,000	-	633.77	120,200	-	959.53	39,300	-
Oct. 31...	680.00	270,700	-19,300	633.59	119,200	-1,000	958.30	37,000	-2,300
Nov. 30...	676.49	217,600	-53,100	633.86	121,000	+1,800	958.00	36,400	-600
Dec. 31...	676.01	211,000	-6,600	633.48	119,100	-1,900	958.11	36,600	+200
CAL YR 2001	-	-	-4,400	-	-	-200	-	-	+200
Jan. 31...	678.93	253,700	+42,700	632.81	119,600	+500	958.09	36,600	0
Feb. 28...	677.06	255,700	-28,000	633.98	121,300	+1,700	957.97	36,300	-300
Mar. 31...	680.90	285,700	+60,000	633.57	123,500	+2,200	959.50	39,300	+3,000
Apr. 30...	682.89	321,000	+35,300	634.00	121,400	-2,100	959.48	39,200	-100
May 31...	682.70	317,500	-3,500	633.65	119,500	-1,900	959.52	39,300	+100
June 30...	681.72	299,900	-17,600	633.46	118,500	-1,000	959.51	39,300	0
July 31...	681.82	301,600	+1,700	634.33	123,900	+5,400	959.53	39,300	0
Aug. 31...	681.41	294,400	-7,200	633.97	121,200	-2,700	959.55	39,400	+100
Sept. 30...	680.84	284,700	-9,700	633.69	120,900	-300	959.45	39,200	-100
WTR YR 2002	-	-	-5,300	-	-	+700	-	-	+100

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03580740 TIMS FORD LAKE.--Lat 35°11'51", long 86°16'41", Franklin County, Hydrologic Unit 06030003, in intake tower near left bank at Tims Ford Dam on Elk River, 0.4 mi upstream from bridge on State Highway 50, 9.5 mi west of Winchester, and at mile 133.4. DRAINAGE AREA, 529 mi^2. PERIOD OF RECORD, December 1970 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with compacted rockfill impervious earth core embankments. Spillway equipped with three radial gates, each 42 ft high by 40 ft wide. Storage began Dec. 1, 1970; water in reservoir first reached minimum pool elevation Feb. 23, 1971, and first filling was completed June 3, 1971. Total capacity at elevation 895 ft, top of gates, is 306,500 cfs-days, of which 142,400 cfs-days is controlled storage above elevation 865 ft, normal minimum pool. Reservoir is used for flood control, power, and recreation.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 298,600 cfs-days, Dec. 23, 1990, elevation, 893.62 ft; minimum after first filling 130,600 cfs-days, Dec. 1, 1997, elevation, 855.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 280,600 cfs-days, May 6, elevation, 890.45 ft; minimum, 191,600 cfs-days, Jan. 5, elevation, 871.99 ft.

03593000 PICKWICK LAKE.--Lat 35°04'16", long 88°15'04", Hardin County, Hydrologic Unit 06040001, at Pickwick Landing Dam on Tennessee River, 1.5 mi north of town of Pickwick Dam, 6.1 mi upstream from Lick Creek, 52.7 mi downstream from Wilson Dam, and at mile 206.7. DRAINAGE AREA, 38,820 mi^2, approximately. PERIOD OF RECORD, October 1937 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with twenty-two 2-section lift gates, each 40 ft high by 40 ft wide, one of which is used as a trash gate. Dam completed and storage began Feb. 8, 1938; water in reservoir first reached minimum pool elevation Feb. 18, 1938. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 418.0 ft, top of gates, is 557,100 cfs-days, of which 210,200 cfs-days is controlled flood storage above elevation 408.0 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 419.49 ft, Mar. 30, 1944; minimum after first filling, 407.12 ft, Dec. 18, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 644,500 cfs-days, Jan. 26; maximum elevation, 416.83 ft; May 6, minimum midnight contents, 438,500 cfs-days, Nov. 15, minimum elevation, 407.94 ft, Nov. 15. Contents based on backwater profile.

03596460 NORMANDY LAKE.--Lat 35°27'55", long 86°14'55", Coffee County, Hydrologic Unit 06040002, at Normandy Dam on Duck River, 1.5 mi northeast of Normandy, 2.6 mi downstream from Riley Creek, 8 mi north of Tullahoma, and at mile 248.6. DRAINAGE AREA, 195 mi^2. PERIOD OF RECORD, January 1976 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete gravity dam with riprapped and rolled earthfill embankment on left side. Spillway is equipped with two radial gates, each 40 ft high by 36 ft wide. Storage began Jan. 5, 1976; water in reservoir first reached minimum pool elevation Mar. 22, 1976. Revised capacity table put into use Jan. 1, 1977. Total capacity at elevation 880 ft, top of gates, is 64,000 cfs-days, of which 30,400 cfs-days is controlled storage above elevation 859 ft, normal minimum pool. Reservoir is used for flood control, water supply, water-quality control, recreation, and shoreline development.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 63,800 cfs-days, Feb. 20, 1991, elevation, 880.12 ft; minimum after first filling, 26,800 cfs-days, Nov. 27, 1981, elevation, 853.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 61,900 cfs-days, Jan. 25, elevation, 879.06 ft; minimum 39,500 cfs-days, Jan. 5, elevation, 864.12 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03580740 TIMS FORD LAKE			*03593000 PICKWICK LAKE			03596460 NORMANDY LAKE		
Sept. 30...	885.28	252,900	-	411.80	508,900	-	872.59	51,600	-
Oct. 31...	881.76	235,300	-17,600	412.96	537,500	+28,600	871.35	49,700	-1,900
Nov. 30...	877.61	215,900	-19,400	413.49	550,500	+13,000	865.19	41,000	-8,700
Dec. 31...	873.71	198,800	-17,100	408.97	446,800	-103,700	864.29	39,800	-1,200
CAL YR 2001	-	-	+3,700	-	-	-800	-	-	-700
Jan. 31...	879.76	225,800	+27,000	410.32	494,300	+47,500	865.93	42,000	2,200
Feb. 28...	877.92	217,300	-8,500	409.77	460,200	-34,100	865.37	41,200	-800
Mar. 31...	887.15	262,700	+45,400	415.11	601,100	+140,900	876.63	57,900	+16,700
Apr. 30...	886.41	258,800	-3,900	413.40	547,400	-53,700	874.56	54,600	-3,300
May 31...	888.40	269,400	+10,600	413.01	540,000	-7,400	875.41	56,000	-1,400
June 30...	888.04	267,400	-2,000	413.53	552,400	+12,400	874.46	54,500	-1,500
July 31...	886.36	258,500	-8,900	413.89	559,000	+6,600	872.71	51,800	-2,700
Aug. 31...	885.13	252,100	-6,400	411.98	515,200	-43,800	870.75	48,800	-3,000
Sept. 30...	883.88	245,800	-6,300	410.08	484,000	-31,200	869.72	47,300	-1,500
WTR YR 2002	-	-	-7,100	-	-	-24,900	-	-	-4,300

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03609000 KENTUCKY LAKE.--Lat 37°00'49", long 88°16'06", Marshall County, KY, Hydrologic Unit 06040006, at Kentucky Dam on Tennessee River at Gilbertsville, KY, and at mile 22.4. DRAINAGE AREA, 40,200 mi^2, approximately. PERIOD OF RECORD, July 1944 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with 24 lift gates 50 ft high by 40 ft wide. Storage began Aug. 16, 1944, and final closure was Aug. 30, 1944. Water in reservoir reached minimum pool elevation Apr. 7, 1945. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 375.0 ft, top of gates, is 3,090,000 cfs-days, of which 2,020,700 cfs-days is controlled storage above 354.0 ft, ordinary minimum pool. Reservoir is used for navigation, flood control, and power. Barkley-Kentucky Canal opened July 13, 1966, for navigation and power use. Canal is 1.75 miles long and interconnects Lake Barkley and Kentucky Lake at a point 2.2 mi upstream from Barkley Dam. For daily discharges through the canal, see Kentucky reports.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 369.87 ft, May 24, 1983; minimum after first filling, 348.02 ft, Mar. 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 1,956,200 cfs-days May 21; maximum elevation, 365.32 ft, May 23; minimum midnight contents, 1,089,500 cfs-days, Feb. 22, minimum elevation, 353.52 ft, Feb. 4.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Content (cfs-days)	Change contents (cfs-days)
	*03609000 KENTUCKY LAKE		
Sept. 30...	355.47	1,172,700	--
Oct. 31...	354.68	1,119,200	-53,000
Nov. 30...	359.92	1,681,200	+561,500
Dec. 31...	354.55	1,137,300	-543,900
CAL YR 2001	-	-	-31,100
Jan. 31...	354.47	1,618,900	+481,600
Feb. 28...	354.80	1,119,900	-499,000
Mar. 31...	355.84	1,288,000	+168,100
Apr. 30...	359.21	1,421,100	+133,100
May 31...	361.42	1,628,200	+207,100
June 30...	359.11	1,422,200	-206,000
July 31...	357.75	1,321,300	-100,900
Aug. 31...	356.23	1,220,600	-100,700
Sept. 30...	357.31	1,305,100	-84,500
WTR YR 2002	-	-	+132,400

* Contents based on backwater profile.

OTHER RESERVOIRS.--The following small reservoirs in the Tennessee River basin are described below, but records of contents are not published herein.

03466400 DAVY CROCKETT LAKE on Nolichucky River at Nolichucky Dam, with a total capacity of 1,300 cfs-days, none of which is controlled storage.

03517900 CALDERWOOD LAKE on Little Tennessee River at Calderwood, with a total capacity of 20,800 cfs-days of which 840 cfs-days is controlled storage.

03518200 CHILHOWEE LAKE on Little Tennessee River at Chilhowee Dam, with a total capacity of 24,800 cfs-days of which 3,400 cfs-days is controlled storage.

03562500 OCOEE NO. 3 LAKE on Ocoee River at Ocoee No. 3 Dam, 5.0 miles west of Ducktown, with a total capacity of 1,660 cfs-days, of which 1,550 cfs-days is controlled storage. Records of contents previous to 1971 water year published as Ocoee No. 3 Lake near Ducktown, TN.

THIS PAGE IS INTENTIONALLY BLANK

07024305 BEAVER CREEK AT HIGHWAY 22 BYPASS NEAR HUNTINGDON, TN

LOCATION.--Lat 36°00'47", long 88°26'42", Carroll County, Hydrologic Unit 08010203, on the upstream side of the main channel bridge on Highway 22 Bypass, 0.8 mi northwest of Huntingdon, 3 mi upstream of Crooked Creek, and at mile 4.5.

DRAINAGE AREA.--58.6 mi^2.

PERIOD OF RECORD.--June 1994 to April 1996, December 2000 to current year. Prior to June 1994, occasional low-flow measurements, water years 1946, 1948, 1952-54, 1956-61 and annual maximum, water years 1954-62, 1989-91. October 1962 to February 1988, July 1988 to September 1989. October 1991 to April 14, 1994, continuous stage at bridge 1.0 mi upstream of present location.

REVISED RECORDS.--WSP 1920: 1956(M).

GAGE.--Data collection platform. Datum of gage is 350 ft above NGVD of 1929, from topographic map. Prior to June 1994 water-stage recorder at site 1.0 mi upstream at datum 14.2 higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic observation of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	1915	*8,130	*21.82	Sep 27	1030	7,810	21.66

Minimum daily discharge, 20 ft^3/s, July 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	34	1010	64	161	61	805	50	43	24	36	23
2	27	35	342	57	98	60	349	47	39	24	42	22
3	25	107	115	58	81	63	113	46	37	25	36	23
4	25	68	85	55	75	54	81	55	35	24	23	22
5	29	46	77	56	68	53	71	48	34	22	25	21
6	55	43	79	92	72	50	67	42	41	21	23	21
7	35	39	98	88	113	50	62	39	38	20	22	22
8	31	37	385	70	123	50	66	37	34	21	21	24
9	30	37	510	67	87	65	89	41	33	22	21	25
10	30	38	218	67	81	61	69	41	32	79	22	25
11	93	38	99	101	72	55	62	40	33	147	152	26
12	123	38	314	76	67	131	59	37	35	49	64	25
13	266	37	1400	68	63	107	59	224	40	53	34	27
14	e518	37	987	63	59	77	58	131	39	64	56	49
15	e444	37	442	58	58	69	54	55	30	36	59	50
16	154	39	327	55	69	147	50	47	30	29	80	44
17	59	38	485	55	67	357	56	262	29	26	77	38
18	40	36	490	111	55	1090	52	479	29	26	43	35
19	35	39	232	305	57	827	47	288	28	28	40	33
20	33	52	112	264	173	715	45	76	27	26	36	123
21	32	43	e90	117	104	798	44	55	27	e22	33	126
22	32	40	e82	94	72	335	42	51	26	e36	31	52
23	33	39	e800	222	63	117	39	45	26	32	38	37
24	51	198	e400	634	59	89	51	42	27	32	30	30
25	94	240	e150	853	57	80	96	40	32	28	43	29
26	53	98	e93	339	107	302	56	48	30	27	33	447
27	40	560	83	114	79	273	45	46	27	26	28	5940
28	36	989	80	93	67	125	102	42	28	25	26	1820
29	38	5430	e74	87	---	100	59	59	26	24	25	423
30	35	5120	e70	88	---	160	44	56	25	29	24	70
31	34	---	63	88	---	551	---	49	---	36	23	---
TOTAL	2558	13632	9792	4559	2307	7072	2892	2618	960	1083	1246	9652
MEAN	82.52	454.4	315.9	147.1	82.39	228.1	96.40	84.45	32.00	34.94	40.19	321.7
MAX	518	5430	1400	853	173	1090	805	479	43	147	152	5940
MIN	25	34	63	55	55	50	39	37	25	20	21	21
CFSM	1.41	7.75	5.39	2.51	1.41	3.89	1.65	1.44	0.55	0.60	0.69	5.49
IN.	1.62	8.65	6.22	2.89	1.46	4.49	1.84	1.66	0.61	0.69	0.79	6.13

e Estimated

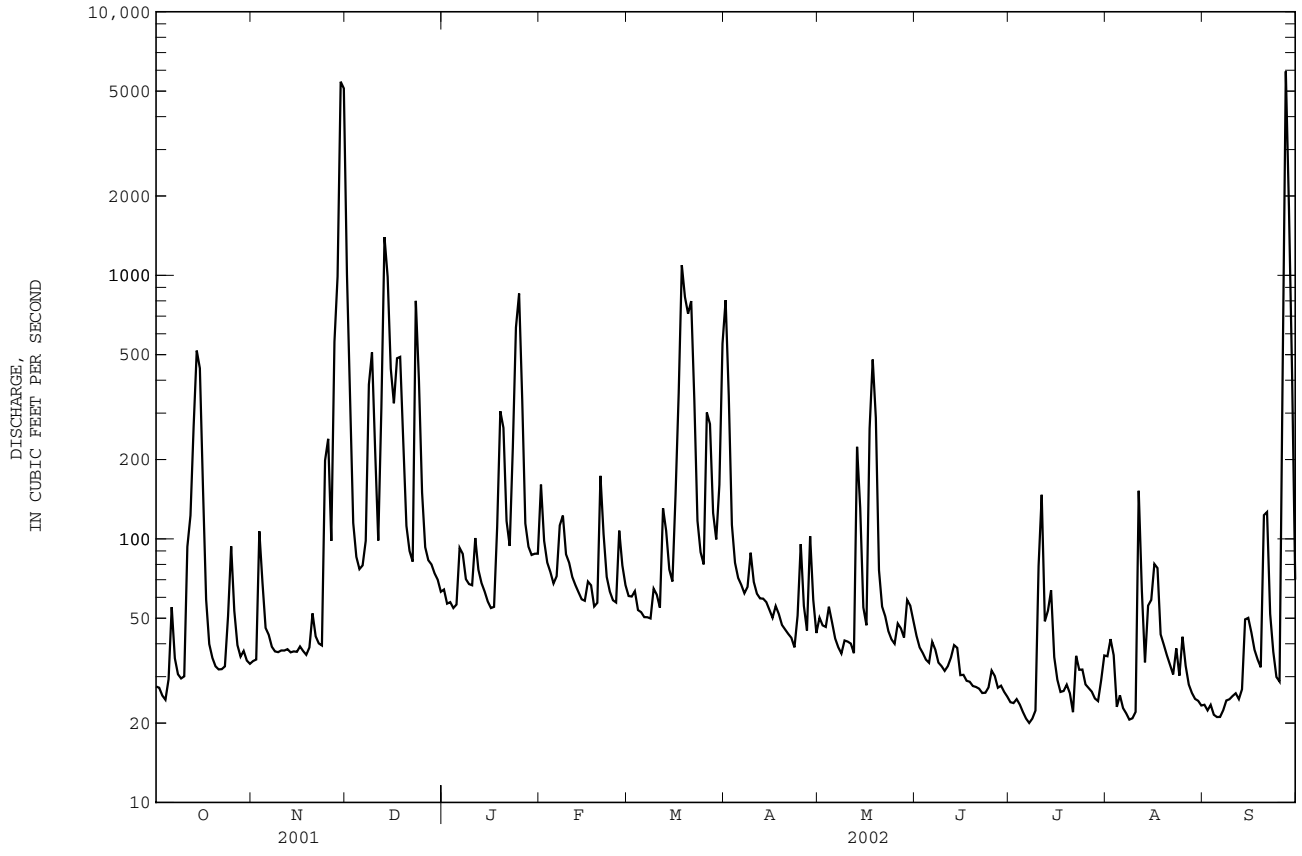
07024305 BEAVER CREEK AT HIGHWAY 22 BYPASS NEAR HUNTINGDON, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	56.27	180.4	138.5	156.4	184.9	195.6	97.53	80.98	63.47	68.77	62.27	107.0
MAX	82.5	454	316	264	376	381	254	87.9	96.8	86.9	120	322
(WY)	2002	2002	2002	1994	1994	1994	1994	1995	1994	1994	1995	2002
MIN	43.1	77.8	68.1	67.6	82.4	79.2	61.4	70.5	32.0	34.9	40.2	30.5
(WY)	1994	1994	2001	2001	2002	2001	1995	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	48681		58371			
ANNUAL MEAN	133.4		159.9		120.2	
HIGHEST ANNUAL MEAN					160	2002
LOWEST ANNUAL MEAN					81.6	2001
HIGHEST DAILY MEAN	5430	Nov 29	5940	Sep 27	5940	Sep 27 2002
LOWEST DAILY MEAN	24	Sep 26	20	Jul 7	20	Jul 7 2002
ANNUAL SEVEN-DAY MINIMUM	25	Sep 23	22	Sep 1	22	Sep 1 2002
MAXIMUM PEAK FLOW			8130	Nov 29	a8350	Sep 9 1970
MAXIMUM PEAK STAGE			21.82	Nov 29	b15.20	Sep 13 1982
INSTANTANEOUS LOW FLOW					18	Jul 9 1993
ANNUAL RUNOFF (CFSM)	2.28		2.73		2.05	
ANNUAL RUNOFF (INCHES)	30.90		37.05		27.86	
10 PERCENT EXCEEDS	222		309		239	
50 PERCENT EXCEEDS	48		53		56	
90 PERCENT EXCEEDS	30		26		33	

a From rating curve extended above 3,600 ft^3/s on basis of contracted opening measurement of peak flow; at site 1 mile upstream of present location.
b At site 1 mi upstream of present location and at datum 14.2 ft higher than present datum.



07024500 SOUTH FORK OBION RIVER NEAR GREENFIELD, TN

LOCATION.--Lat 36°07'05", long 88°48'39", Weakly County, Hydrologic Unit 08010203, on left bank downstream from bridge on U.S. Highway 45E, 1.1 mi downstream from Mosley Branch, 2.5 mi south of Greenfield, and 9.7 mi upstream from confluence with Middle Fork.

DRAINAGE AREA.--383 mi^2.

PERIOD OF RECORD.--July 1929 to February 1988, July 1988 to April 1989, October 2001 to September 2002. Water years 1990-93, 1997-2001, annual maximum.

REVISED RECORDS.--WSP 1311: 1936(M). WSP 1920: Drainage area.

GAGE.--Data collection platform. Datum of gage is 300.36 ft above NGVD of 1929.

REMARKS.--Records poor. Periodic observation of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft^3/s, Jan. 22, 1937, gage height, 17.82 ft, from floodmarks, from rating curve extended above 14,000 ft^3/s; minimum, 61 ft^3/s, Aug. 21, 1944.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 30	unknown	*13,100	*17.43	Mar 31	1000	4,170	12.59
Dec 14	unknown	6,020	14.76	Sep 20	1445	3,170	10.72
Jan 24	unknown	5,610	14.39	Sep 29	2100	7,800	15.94
Mar 20	0330	4,620	13.23				

Minimum discharge not determined, minimum observed 120 ft^3/s, Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e130	e152	e11000	e350	1440	362	3020	273	541	147	155	148
2	e129	e250	e8400	e320	820	355	2700	259	444	145	157	146
3	e122	e350	e7000	e300	730	349	2180	247	373	149	158	144
4	e120	e345	e4000	e300	622	313	1190	254	317	146	160	e140
5	e160	e260	e2700	e350	528	303	790	248	279	142	155	e139
6	e160	e250	e1500	e410	482	297	629	243	287	140	148	e140
7	e140	e230	e2000	e390	482	294	529	238	241	137	145	e138
8	e130	e210	e2150	e340	473	301	471	232	220	134	141	e155
9	e125	e200	e1950	e290	483	318	461	229	210	132	139	e160
10	e130	e190	e1590	e380	488	309	442	224	214	133	138	e152
11	e300	e180	e640	e470	454	313	406	218	199	143	137	e145
12	e1300	e170	e1700	e470	428	354	385	213	193	177	144	e140
13	e1700	e165	e5000	e340	400	371	369	991	224	227	173	e140
14	e1700	e160	e5500	e320	371	384	362	633	199	192	213	e160
15	e1500	e160	e5100	e290	350	382	339	665	187	187	197	239
16	e1100	e160	e2400	e235	356	365	316	700	178	185	185	244
17	e580	e160	e4400	e200	352	1220	301	1460	172	177	194	173
18	e490	e165	e4200	e1100	347	2950	291	1490	169	172	487	168
19	e200	e190	e4000	e1250	343	2710	283	1360	167	165	407	167
20	e165	e210	2640	e1100	620	4140	277	1280	163	161	238	1400
21	e140	152	1360	e760	471	4090	272	1040	158	159	199	543
22	e140	154	901	e680	474	3850	265	713	155	155	184	305
23	e130	157	2480	e3200	454	2890	248	504	152	160	175	271
24	e260	196	1880	e3400	429	1350	240	390	150	165	169	247
25	e330	e300	1750	3290	382	880	275	314	150	163	168	220
26	e320	e400	1320	3150	407	1970	271	452	150	169	165	1320
27	e240	e2000	876	2680	376	1330	282	335	157	172	165	4850
28	e170	e4260	e704	1330	372	1180	318	360	156	166	163	4930
29	e150	e8420	e560	852	---	952	287	755	152	160	159	6710
30	e135	e12500	e460	686	---	1010	281	1270	150	156	154	6850
31	e130	---	e400	696	---	3160	---	1030	---	155	151	---
TOTAL	12526	32696	90561	29929	13934	39052	18480	18620	6507	4971	5723	30684
MEAN	404.1	1090	2921	965.5	497.6	1260	616.0	600.6	216.9	160.4	184.6	1023
MAX	1700	12500	11000	3400	1440	4140	3020	1490	541	227	487	6850
MIN	120	152	400	200	343	294	240	213	150	132	137	138
CFSM	1.05	2.85	7.63	2.52	1.30	3.29	1.61	1.57	0.57	0.42	0.48	2.67
IN.	1.22	3.18	8.80	2.91	1.35	3.79	1.79	1.81	0.63	0.48	0.56	2.98

e Estimated

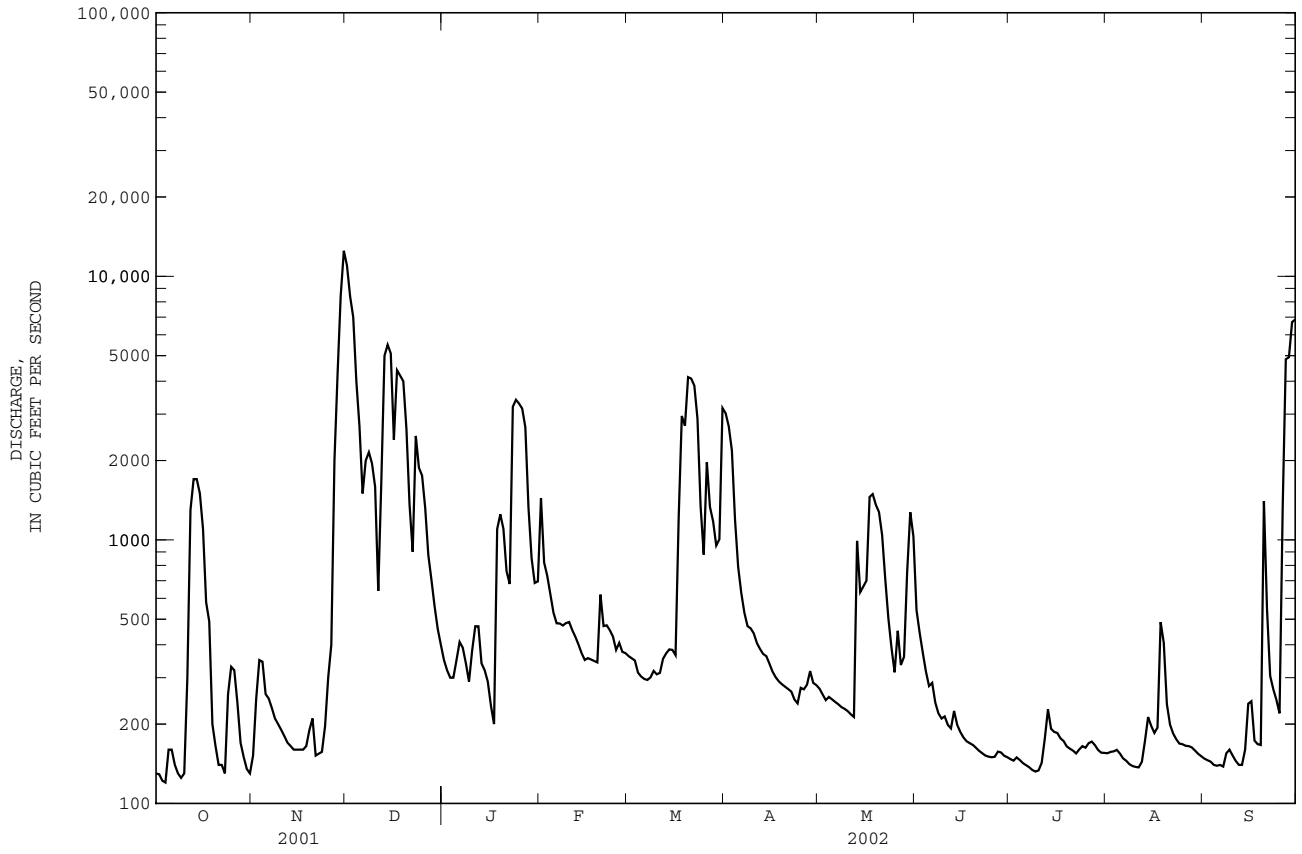
07024500 SOUTH FORK OBION RIVER NEAR GREENFIELD, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	207.9	467.9	811.0	1069	988.9	1035	797.5	640.1	354.3	274.3	233.0	249.4
MAX	921	2921	2921	5853	3608	2638	3185	3085	1858	1055	1763	1310
(WY)	1973	1958	2002	1937	1956	1975	1979	1983	1981	1972	1971	1950
MIN	85.0	108	135	153	147	132	156	120	99.7	90.7	91.8	83.9
(WY)	1944	1955	1966	1940	1941	1941	1967	1941	1936	1943	1987	1956

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	303683			
ANNUAL MEAN	832.0		592.5	
HIGHEST ANNUAL MEAN			1432	1989
LOWEST ANNUAL MEAN			136	1941
HIGHEST DAILY MEAN	12500	Nov 30	25000	Jan 22 1937
LOWEST DAILY MEAN			61	Aug 21 1944
ANNUAL SEVEN-DAY MINIMUM	137	Oct 3	70	Aug 22 1943
MAXIMUM PEAK FLOW	a13100	Nov 30		
MAXIMUM PEAK STAGE	a17.43	Nov 30		
ANNUAL RUNOFF (CFSM)	2.17		1.55	
ANNUAL RUNOFF (INCHES)	29.50		21.02	
10 PERCENT EXCEEDS	2160		1440	
50 PERCENT EXCEEDS	300		220	
90 PERCENT EXCEEDS	146		105	

a Peak stage determined from crest-stage gage.



07025400 NORTH FORK OBION RIVER NEAR MARTIN, TN

LOCATION.--Lat 36°24'20", long 88°51'20", Weakly County, Hydrologic Unit 08010203, on right bank on U.S. Highway 45E, 4.0 miles north of Martin.

DRAINAGE AREA.--372 mi^2.

PERIOD OF RECORD.--October 2001 to September 2002. Annual maximum at unknown datum, 1939 to 1967. Periodic measurements of discharge and miscellaneous water-quality data, 1979 to 1987. Annual maximum at present datum, 1997 to 2001.

GAGE.--Data collection platform, operated in cooperation of the Memphis District Corps of Engineers. Datum of gage is 303.46 ft above NGVD of 1929, determined by the Memphis District Corps of Engineers.

REMARKS.--No estimated daily discharges. Records are good. Periodic observation of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

COOPERATION.--Gage operated jointly with the Memphis District U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 30	1700	*14,000	*21.46	Mar 20	0500	6,690	17.98
Dec 13	0100	6,610	17.87	Mar 26	0700	6,180	17.21
Dec 18	0500	9,210	20.20	May 18	2000	9,020	20.14
Jan 24	0500	7,480	18.97	Sep 27	0200	6,480	17.67
Feb 1	0300	6,300	17.40				

Minimum daily discharge, 145 ft^3/s, Sept. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

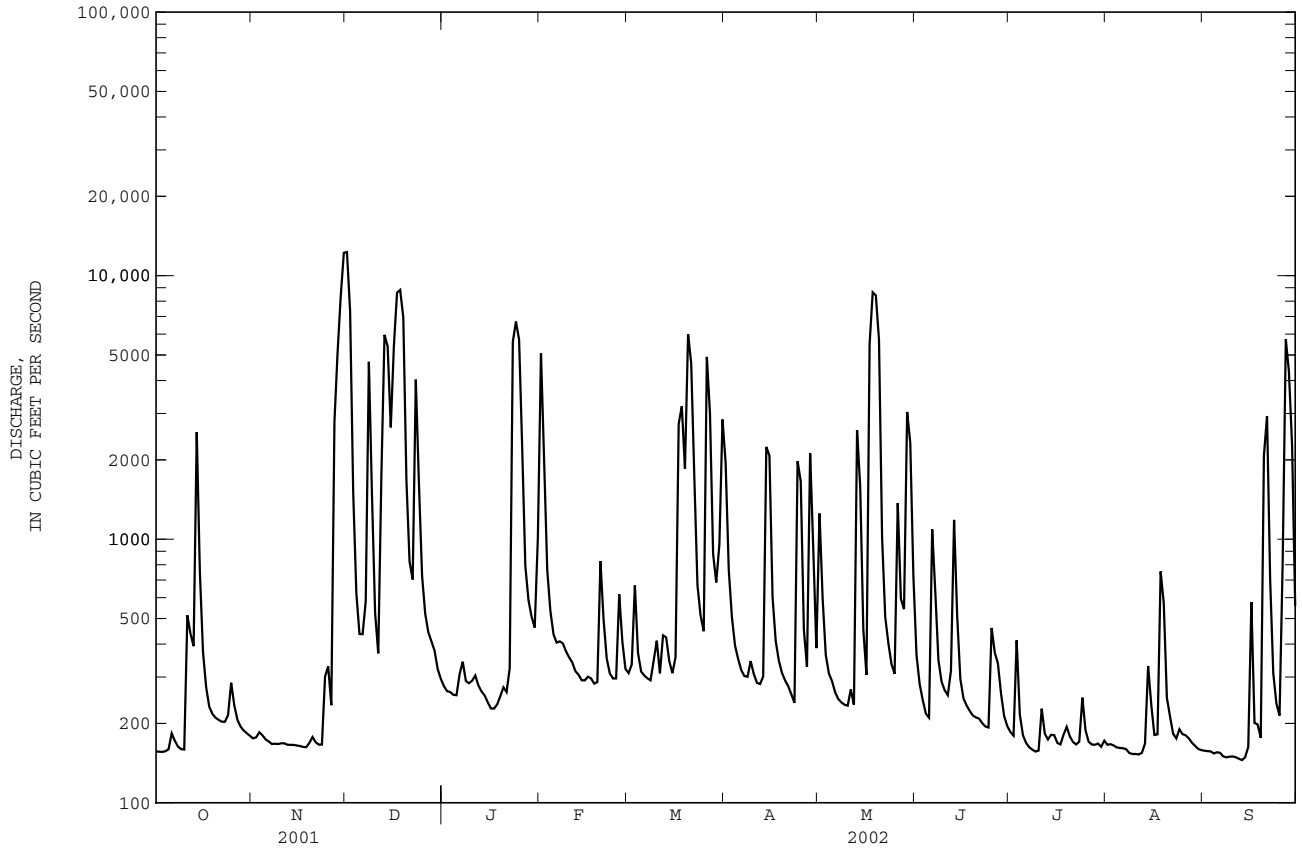
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	175	12300	277	5080	310	1950	1250	362	186	166	158
2	156	177	7350	265	1980	335	764	596	282	180	167	157
3	156	185	1490	263	762	667	507	363	245	413	165	157
4	157	180	625	257	535	370	395	309	218	216	162	154
5	160	174	437	256	436	315	351	289	210	180	161	155
6	183	171	436	308	405	304	319	262	1090	169	161	155
7	172	167	582	343	410	297	302	247	631	162	160	150
8	163	168	4710	290	402	291	301	240	348	159	154	149
9	160	167	1460	284	375	346	345	235	288	156	153	150
10	159	168	524	290	356	412	308	234	267	158	153	150
11	514	168	369	304	341	310	285	269	256	227	153	149
12	438	166	1740	279	316	432	282	235	317	183	155	147
13	393	166	5960	264	306	424	301	2600	1180	174	168	145
14	2550	166	5390	255	292	344	2240	1580	507	181	330	149
15	751	165	2660	240	291	310	2080	455	295	180	236	163
16	373	164	5420	228	301	357	603	305	249	169	181	578
17	275	163	8620	228	296	2740	411	5500	234	167	182	201
18	231	162	8830	236	283	3200	346	8640	223	182	754	198
19	217	169	6940	254	287	1850	311	8410	214	194	573	176
20	210	178	1670	274	825	6000	291	5710	211	178	250	2080
21	206	170	824	263	495	4660	277	1010	208	170	213	2930
22	203	166	703	324	353	1710	258	507	200	166	183	701
23	203	166	4030	5610	309	669	239	403	195	170	175	310
24	215	301	1620	6700	296	513	1980	336	193	251	190	238
25	285	329	726	5720	296	447	1660	309	461	188	182	214
26	234	234	522	2210	618	4920	454	1370	371	170	180	826
27	206	2800	444	792	408	3010	328	595	338	166	176	5740
28	195	5100	409	587	322	879	2120	543	259	166	169	4320
29	188	8300	377	508	---	686	924	3040	213	168	164	2280
30	184	12200	322	462	---	956	386	2320	195	163	160	558
31	179	---	295	1010	---	2850	---	720	---	172	158	---
TOTAL	9872	33165	87785	29581	17376	40914	21318	48882	10260	5764	6534	23638
MEAN	318.5	1106	2832	954.2	620.6	1320	710.6	1577	342.0	185.9	210.8	787.9
MAX	2550	12200	12300	6700	5080	6000	2240	8640	1180	413	754	5740
MIN	156	162	295	228	283	291	239	234	193	156	153	145
CFSM	0.86	2.97	7.61	2.57	1.67	3.55	1.91	4.24	0.92	0.50	0.57	2.12
IN.	0.99	3.32	8.78	2.96	1.74	4.09	2.13	4.89	1.03	0.58	0.65	2.36

07025400 NORTH FORK OBION RIVER NEAR MARTIN, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

MEAN	196.5	432.4	679.1	697.9	882.3	1067	751.5	571.3	341.0	278.2	248.9	214.2
MAX	1196	3135	2832	2457	2476	4157	2276	1655	1346	928	1267	788
(WY)	1950	1958	2002	1949	1956	1975	1973	1973	1981	1975	1971	2002
MIN	70.3	85.6	119	125	115	175	165	121	82.4	69.3	83.4	73.5
(WY)	1945	1945	1957	1943	1941	1947	1941	1941	1944	1946	1944	1939

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	335089			
ANNUAL MEAN	918.1		526.9	
HIGHEST ANNUAL MEAN			1062	1949
LOWEST ANNUAL MEAN			164	1941
HIGHEST DAILY MEAN	12300	Dec 1	25700	Nov 19 1957
LOWEST DAILY MEAN	145	Sep 13	40	Feb 7 1946
ANNUAL SEVEN-DAY MINIMUM	148	Sep 8	43	Feb 27 1946
MAXIMUM PEAK FLOW	14000	Nov 30		
MAXIMUM PEAK STAGE	21.46	Nov 30		
ANNUAL RUNOFF (CFSM)	2.47		1.42	
ANNUAL RUNOFF (INCHES)	33.51		19.24	
10 PERCENT EXCEEDS	2410		1050	
50 PERCENT EXCEEDS	292		182	
90 PERCENT EXCEEDS	162		104	



07026040 OBION RIVER AT U.S. HIGHWAY 51 NEAR OBION, TN

LOCATION.--Lat 36°14'27", long 89°13'03", Obion County, Hydrologic Unit 08010202, on right downstream bank, at end of main channel bridge on U.S. Highway 51, 3.2 mi northeast of Trimble, 2.0 mi southwest of Obion and 1.6 river miles downstream of the former gage location, Obion River at Obion.

DRAINAGE AREA.--1,875 mi^2.

PERIOD OF RECORD.--July 1929 to September 1958, October 1966 to September 1995, October 2001 to September 2002. Gage height and discharge records at this site from 1964 to 1975 are in reports of U.S. Army Corps of Engineers. Prior to Oct. 1990 published as "at Obion."

REVISED RECORD.--WSP 1211: 1930, 1943. WSP 2120: Drainage area.

GAGE.--Data collection platform. Datum of gage is 245.17 ft above NGVD of 1929. Prior to Oct. 1990 water-stage recorder at site 1.6 mi upstream at a datum 1.31 ft higher (levels by the U.S. Army Corps of Engineers). Prior to Oct. 1, 1932, nonrecording gage at site 1.6 mi upstream at datum 6.31 ft higher; Oct. 1, 1932 to Aug. 2, 1939, nonrecording gage, and Aug. 3, 1939, to Sept. 1958, water-state recorder at site 1.6 mi upstream at datum 16.31 ft higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99,500 ft^3/s, Jan. 24, 1937 gage height, 40.4 ft present datum; minimum under conditions of no backwater, 230 ft^3/s, Oct. 7-9, 1943, minimum daily discharge, 15 ft^3/s, backwater from Mississippi River, Feb. 4, 1937, reverse flow of 57 ft^3/s, measured by current meter on that date.

REMARKS.--Records good.

COOPERATION.--Gage operated jointly with the Memphis District U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 55,800 ft^3/s, Dec. 3, gage height 38.78 ft; minimum daily discharge, 397 ft^3/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	397	634	35200	3290	10800	1460	11200	1270	3590	803	660	743
2	400	655	50100	2010	11400	1600	11600	1850	2330	774	638	690
3	399	888	55000	1610	9990	2280	11000	1220	1700	847	640	677
4	399	1150	50300	1460	7800	1730	9190	1110	1420	889	651	673
5	403	752	e20000	1380	5950	1430	7200	1110	1300	757	696	669
6	437	698	e9000	1480	4200	1390	5640	1050	2440	710	720	664
7	428	677	e15000	1680	2780	1350	4010	1020	2600	683	675	660
8	413	669	e20000	1540	2290	1320	2830	995	1640	664	667	653
9	405	661	21600	1430	2020	1380	2290	983	1400	648	660	650
10	400	649	18500	1410	1900	1640	2000	991	1320	639	657	651
11	2750	652	e12000	1430	1830	1490	1740	1020	1410	800	651	651
12	4420	639	e8200	1460	1800	1700	1620	995	1410	818	654	647
13	2190	625	14500	1320	1890	2010	1670	4970	5190	777	694	645
14	6480	618	17300	1280	1730	1640	2980	7120	3610	829	1430	647
15	6320	606	e15000	1210	1650	1490	5220	3980	1770	862	1330	662
16	2930	601	25400	1160	1630	1430	2610	2310	1330	855	868	1120
17	1820	603	34500	1130	1550	4980	1630	8060	1200	734	816	1010
18	1460	587	39600	1130	1490	8950	1420	12400	1120	705	902	784
19	1130	584	41300	1450	1430	9600	1300	16600	1070	708	3730	806
20	946	609	40000	2200	3510	11300	1220	19700	1030	704	1430	4310
21	845	622	e20000	1700	3000	13000	1190	e17000	1010	689	925	8490
22	773	626	e12000	1680	1970	14800	1140	e10000	976	670	819	5480
23	717	626	e17000	9240	1700	e13000	1080	e7000	936	730	786	2070
24	694	977	e18000	11600	1620	e9000	1670	e5000	911	719	787	1130
25	799	1240	18500	13500	1550	10800	3480	e4000	895	783	788	954
26	779	951	15000	15600	2120	11700	1770	e5600	1140	702	931	1310
27	701	6250	12400	15200	2000	12400	1240	6810	995	677	781	9450
28	672	9590	10400	e11000	1590	12000	e2800	5540	1000	662	733	10400
29	657	12500	8570	e7000	---	10200	e3500	6330	886	648	715	11500
30	649	19100	6820	e5000	---	e7200	1440	6150	835	638	703	12800
31	640	---	5230	e5000	---	e9500	---	5530	---	640	704	---
TOTAL	42453	66039	686420	127580	93190	183770	107680	167714	48464	22764	27841	81596
MEAN	1369	2201	22140	4115	3328	5928	3589	5410	1615	734.3	898.1	2720
MAX	6480	19100	55000	15600	11400	14800	11600	19700	5190	889	3730	12800
MIN	397	584	5230	1130	1430	1320	1080	983	835	638	638	645
CFSM	0.73	1.17	11.8	2.19	1.78	3.16	1.91	2.89	0.86	0.39	0.48	1.45
IN.	0.84	1.31	13.62	2.53	1.85	3.65	2.14	3.33	0.96	0.45	0.55	1.62

e Estimated

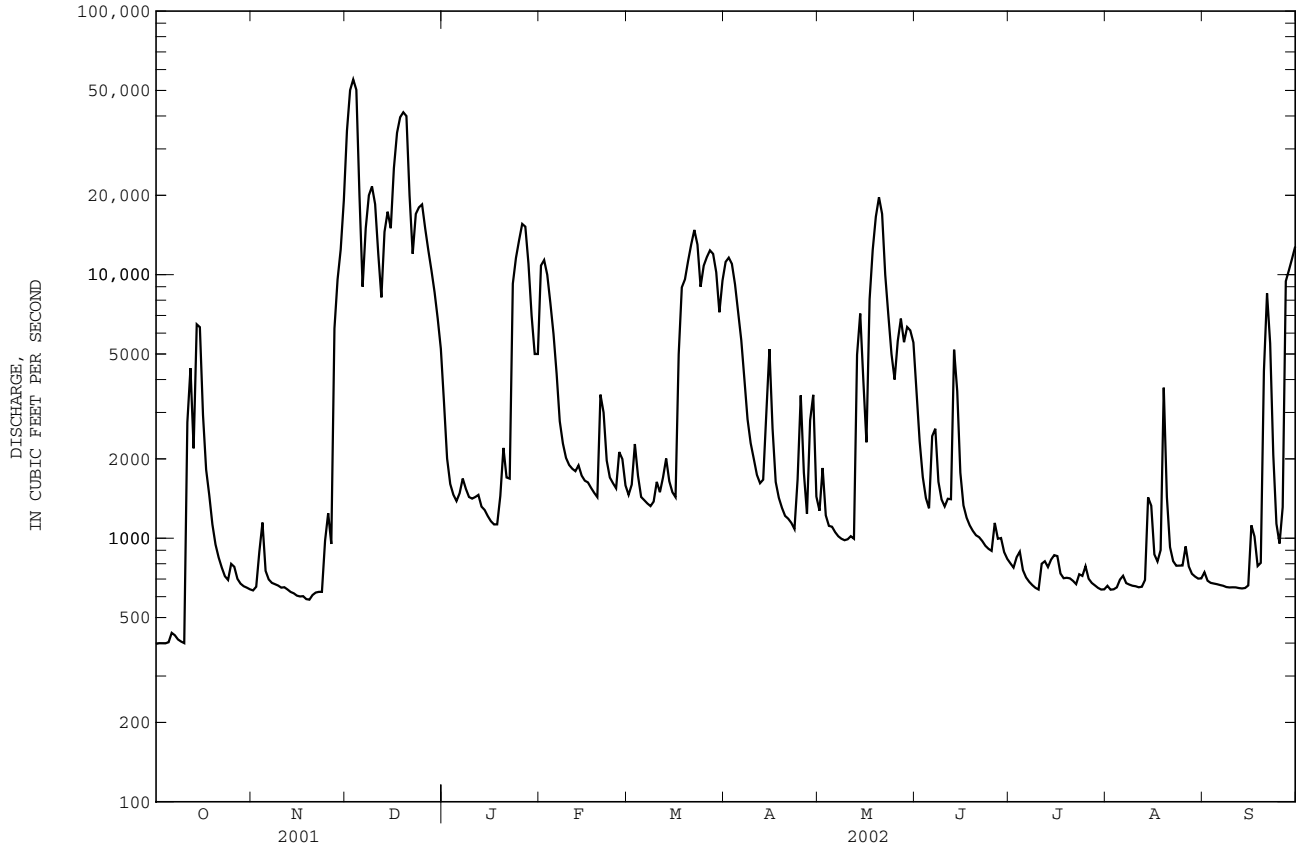
07026040 OBION RIVER AT U.S. HIGHWAY 51 NEAR OBION, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	933.9	2082	3737	4770	4846	4404	3900	2961	1902	1411	1043	959.7
MAX	3576	15500	22140	26640	17120	15810	11770	15540	10970	4783	6643	5041
(WY)	1991	1958	2002	1937	1990	1975	1973	1983	1970	1975	1971	1950
MIN	249	372	495	587	543	628	678	487	323	301	277	264
(WY)	1944	1955	1944	1944	1941	1941	1941	1936	1936	1944	1936	1956

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	1655511			
ANNUAL MEAN	4536		2739	
HIGHEST ANNUAL MEAN			5351	1973
LOWEST ANNUAL MEAN			569	1941
HIGHEST DAILY MEAN	55000	Dec 3	99500	Jan 24 1937
LOWEST DAILY MEAN	397	Oct 1	15	Feb 4 1937
ANNUAL SEVEN-DAY MINIMUM	409	Oct 1	233	Oct 6 1943
MAXIMUM PEAK FLOW	55800	Dec 3	99500	Jan 24 1937
MAXIMUM PEAK STAGE	38.78	Dec 3	40.40	Jan 24 1937
INSTANTANEOUS LOW FLOW			a230	Oct 7 1943
ANNUAL RUNOFF (CFSM)	2.42		1.46	
ANNUAL RUNOFF (INCHES)	32.85		19.85	
10 PERCENT EXCEEDS	12400		7040	
50 PERCENT EXCEEDS	1430		1030	
90 PERCENT EXCEEDS	650		413	

a Minimum under conditions of no backwater from Mississippi River.



07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN

LOCATION.--Lat 36°21'09", long 89°25'07", Lake County, Hydrologic Unit 08010202, at Middle Landing in Reelfoot Lake State Park, 0.4 mi east of Blue Bank, 0.8 mi west of the spillway, and 3.3 mi southeast of Tiptonville.

DRAINAGE AREA.--240 mi^2.

PERIOD OF RECORD.--July 1940 to current year.

GAGE.--Data collection platform. Datum of gage is 270.22 ft above NGVD of 1929 based on Benchmark E-13, supplementary adjustment of 1958.

REMARKS.--Records good. Estimated record is based on once daily observer readings from U.S. Fish and Wildlife Service.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.65 ft, from recorded range in stage, about Apr. 26, 1973; minimum, 9.59 ft, July 6, 7, 8, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1937 reached a stage of about 17.0 ft, at spillway, present datum, from information by local resident. Minimum stage at spillway, 9.30 ft, Nov. 20, 21, 1953 at a datum of 270.29 ft above sea level.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.37 ft, Dec. 19; minimum, 11.11 ft, Oct. 5.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.24	11.23	11.23	12.43	12.35	12.41	13.29	13.20	13.26	13.32	13.21	13.26
2	11.23	11.19	11.21	12.52	12.41	12.46	13.30	13.27	13.29	13.21	13.15	13.18
3	11.20	11.16	11.18	12.53	12.50	12.52	13.28	13.23	13.25	13.17	13.07	13.11
4	11.18	11.15	11.17	12.51	12.49	12.50	13.23	13.16	13.19	13.07	13.00	13.04
5	11.33	11.11	11.19	12.52	12.49	12.51	13.17	13.11	13.14	13.00	12.98	12.99
6	11.26	11.22	11.24	12.50	12.48	12.49	13.21	13.14	13.19	13.03	12.98	13.00
7	11.23	11.22	11.22	12.48	12.47	12.47	---	---	e13.19	13.03	12.92	12.98
8	11.22	11.19	11.20	12.58	12.45	12.48	---	---	---	12.93	12.83	12.87
9	11.19	11.15	11.16	12.51	12.45	12.47	---	---	---	12.87	12.82	12.85
10	---	---	e11.13	12.45	12.42	12.44	---	---	---	12.88	12.82	12.85
11	---	---	e11.28	12.48	12.44	12.46	---	---	---	12.87	12.81	12.84
12	---	---	e11.38	12.46	12.43	12.44	---	---	---	12.81	12.77	12.79
13	---	---	e11.49	12.43	12.39	12.41	---	---	---	12.77	12.73	12.75
14	---	---	e12.03	12.41	12.39	12.40	---	---	---	12.73	12.67	12.70
15	---	---	e12.35	12.41	12.40	12.41	---	---	---	12.71	12.69	12.70
16	---	---	---	12.41	12.40	12.40	---	---	---	12.69	12.62	12.66
17	---	---	---	12.40	12.40	12.40	---	---	e13.90	12.72	12.64	12.69
18	---	---	---	12.40	12.37	12.38	14.30	14.02	14.18	12.70	12.64	12.66
19	---	---	---	12.47	12.35	12.41	14.37	14.30	14.34	12.70	12.62	12.66
20	---	---	---	12.43	12.40	12.42	14.36	14.28	14.32	12.62	12.57	12.59
21	---	---	---	12.40	12.36	12.38	14.31	14.26	14.29	12.58	12.52	12.56
22	---	---	e12.56	12.39	12.35	12.37	14.26	14.11	14.19	12.64	12.54	12.57
23	---	---	e12.44	12.38	12.33	12.36	14.26	14.12	14.18	12.79	12.64	12.68
24	12.58	12.33	12.46	12.43	12.28	12.34	14.15	14.04	14.12	13.11	12.79	13.00
25	12.53	12.45	12.51	12.44	12.33	12.41	14.15	13.96	14.03	13.20	13.11	13.15
26	12.55	12.49	12.52	12.47	12.40	12.42	13.96	13.84	13.91	13.24	13.20	13.22
27	12.55	12.51	12.53	12.59	12.46	12.49	13.84	13.76	13.79	13.26	13.24	13.25
28	12.51	12.48	12.49	12.83	12.51	12.67	13.76	13.64	13.68	13.25	13.15	13.20
29	12.49	12.46	12.47	12.97	12.75	12.87	13.72	13.57	13.63	13.17	13.09	13.12
30	12.48	12.47	12.47	13.21	12.92	13.10	13.57	13.43	13.49	13.12	13.06	13.10
31	12.47	0.12	11.93	---	---	---	13.43	13.32	13.37	13.27	13.01	13.15
MONTH	12.58	0.12	11.79	13.21	12.28	12.48	14.37	13.11	13.72	13.32	12.52	12.91

07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN--Continued

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.48	13.25	13.38	12.79	12.73	12.77	13.11	13.03	13.07	12.74	12.59	12.68
2	13.50	13.48	13.49	12.84	12.73	12.79	13.14	12.96	13.02	12.73	12.62	12.67
3	13.49	13.44	13.46	12.88	12.80	12.84	13.14	13.01	13.05	12.72	12.64	12.67
4	13.52	13.41	13.46	12.87	12.75	12.80	13.03	12.98	13.01	12.66	12.62	12.63
5	13.42	13.30	13.35	12.82	12.78	12.80	12.99	12.93	12.96	12.62	12.57	12.59
6	13.30	13.24	13.28	12.80	12.75	12.78	12.94	12.90	12.92	12.58	12.38	12.51
7	13.25	13.18	13.21	12.79	12.74	12.77	12.90	12.83	12.86	12.61	12.53	12.57
8	13.18	13.13	13.15	12.76	12.67	12.73	12.85	12.71	12.80	12.59	12.43	12.51
9	13.14	13.05	13.09	12.80	12.58	12.71	12.91	12.84	12.87	12.60	12.47	12.56
10	13.11	13.03	13.07	12.84	12.79	12.81	12.87	12.82	12.85	12.64	12.59	12.61
11	13.11	13.02	13.06	12.82	12.76	12.79	12.83	12.77	12.79	12.60	12.53	12.56
12	13.03	13.00	13.01	12.86	12.81	12.84	12.78	12.74	12.76	12.55	12.43	12.49
13	13.06	12.97	13.01	12.82	12.78	12.80	12.79	12.76	12.78	12.85	12.47	12.71
14	12.97	12.91	12.94	12.78	12.70	12.74	12.84	12.77	12.81	12.72	12.67	12.70
15	12.91	12.88	12.89	12.82	12.71	12.75	12.89	12.83	12.85	12.72	12.70	12.71
16	12.88	12.81	12.85	12.83	12.78	12.81	12.89	12.84	12.87	12.71	12.66	12.69
17	12.88	12.84	12.86	12.78	12.72	12.75	12.89	12.83	12.86	13.22	12.69	13.06
18	12.84	12.76	12.80	12.78	12.73	12.76	12.86	12.79	12.83	13.28	13.19	13.24
19	12.86	12.69	12.76	12.99	12.76	12.83	12.80	12.76	12.78	13.24	13.22	13.23
20	12.90	12.79	12.85	13.14	12.99	13.08	12.76	12.70	12.73	13.23	13.18	13.21
21	13.00	12.90	12.94	13.25	13.11	13.18	12.70	12.53	12.60	13.19	13.09	13.15
22	13.00	12.93	12.96	13.23	13.06	13.12	12.64	12.60	12.61	13.09	12.97	13.03
23	12.93	12.90	12.91	13.06	12.98	13.01	12.61	12.55	12.58	12.97	12.85	12.90
24	12.90	12.83	12.87	12.98	12.87	12.92	12.74	12.50	12.61	12.86	12.75	12.80
25	12.96	12.80	12.86	13.07	12.81	12.90	12.75	12.68	12.70	12.75	12.64	12.69
26	12.91	12.80	12.85	13.11	13.07	13.10	12.73	12.66	12.68	12.72	12.66	12.69
27	12.84	12.79	12.81	13.11	13.08	13.10	12.68	12.58	12.64	12.66	12.63	12.65
28	12.81	12.75	12.77	13.11	13.06	13.09	12.77	12.52	12.66	12.72	12.64	12.67
29	---	---	---	13.10	12.94	13.05	12.78	12.75	12.76	12.69	12.67	12.69
30	---	---	---	13.09	13.06	13.08	12.76	12.71	12.74	12.69	12.68	12.68
31	---	---	---	13.15	13.08	13.11	---	---	---	12.68	12.66	12.68
MONTH	13.52	12.69	13.03	13.25	12.58	12.89	13.14	12.50	12.80	13.28	12.38	12.75

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.66	12.62	12.65	12.19	12.16	12.18	11.87	11.86	11.87	11.64	11.61	11.63
2	12.65	12.62	12.63	12.16	12.12	12.15	11.88	11.85	11.86	11.62	11.59	11.60
3	12.62	12.59	12.61	12.15	12.12	12.13	11.85	11.83	11.85	11.60	11.57	11.58
4	12.60	12.53	12.57	12.13	12.11	12.12	11.84	11.78	11.82	11.59	11.57	11.58
5	12.66	12.49	12.57	12.11	12.09	12.10	11.81	11.78	11.80	11.59	11.55	11.57
6	12.66	12.61	12.65	12.11	12.06	12.09	11.84	11.78	11.80	11.55	11.51	11.54
7	12.62	12.59	12.61	12.07	12.02	12.05	11.81	11.75	11.78	11.52	11.49	11.50
8	12.60	12.54	12.57	12.02	11.97	12.01	11.75	11.70	11.73	11.50	11.48	11.49
9	12.55	12.51	12.53	11.98	11.95	11.97	11.71	11.66	11.68	11.49	11.46	11.48
10	12.52	12.49	12.51	12.05	11.90	11.97	11.66	11.62	11.64	11.47	11.45	11.47
11	12.51	12.46	12.49	12.08	12.02	12.06	11.62	11.61	11.62	11.48	11.43	11.46
12	12.51	12.46	12.48	12.07	12.04	12.06	11.62	11.52	11.59	11.44	11.40	11.42
13	12.56	12.49	12.52	12.11	12.05	12.07	11.72	11.57	11.63	11.40	11.37	11.39
14	12.56	12.52	12.54	12.17	12.06	12.08	11.77	11.70	11.74	11.40	11.34	11.37
15	12.52	12.49	12.51	12.19	12.08	12.13	11.76	11.69	11.73	11.59	11.39	11.45
16	12.51	12.46	12.49	12.18	12.14	12.16	11.74	11.72	11.73	11.58	11.56	11.57
17	12.49	12.47	12.48	12.15	12.10	12.13	11.73	11.64	11.70	11.64	11.54	11.59
18	12.47	12.44	12.45	12.13	12.08	12.12	11.91	11.69	11.74	11.60	11.57	11.58
19	12.44	12.41	12.43	12.12	12.08	12.10	11.80	11.77	11.79	11.71	11.55	11.60
20	12.42	12.40	12.41	12.11	12.09	12.10	11.81	11.77	11.79	11.90	11.71	11.81
21	12.40	12.37	12.39	12.10	12.07	12.09	11.78	11.76	11.77	11.97	11.90	11.94
22	12.42	12.35	12.38	12.08	12.04	12.06	11.76	11.71	11.75	12.06	11.97	12.01
23	12.36	12.32	12.34	12.07	12.04	12.05	11.78	11.70	11.73	12.04	12.00	12.02
24	12.32	12.28	12.31	12.08	12.04	12.06	11.80	11.68	11.77	12.05	12.01	12.03
25	12.31	12.28	12.29	12.05	12.01	12.03	11.79	11.77	11.78	12.04	12.02	12.03
26	12.30	12.25	12.27	12.01	11.96	11.99	11.79	11.75	11.77	12.38	12.03	12.13
27	12.26	12.20	12.23	11.97	11.88	11.93	11.77	11.74	11.75	12.38	12.32	12.34
28	12.22	12.20	12.21	11.93	11.86	11.90	11.76	11.71	11.74	12.46	12.38	12.43
29	12.21	12.19	12.20	11.89	11.80	11.85	11.73	11.69	11.71	12.50	12.46	12.48
30	12.20	12.18	12.19	11.90	11.83	11.87	11.70	11.66	11.68	12.50	12.49	12.50
31	---	---	---	11.90	11.86	11.87	11.66	11.63	11.65	---	---	---
MONTH	12.66	12.18	12.45	12.19	11.80	12.05	11.91	11.52	11.74	12.50	11.34	11.75

e Estimated

07027720 SOUTH FORK FORKED DEER RIVER NEAR OWL CITY, TN

LOCATION.--Lat 35°43'08", long 89°12'43", Haywood County, Hydrologic Unit 08010205, on left bank downstream side of the State Highway 54 bridge, 9.2 mi north of Brownsville, and 1.2 miles southwest of Owl City, Tennessee.

DRAINAGE AREA.--718 mi^2.

PERIOD OF RECORD.--February 2001 to current year.

GAGE.--Data collection platform. Datum of gage is 297 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Periodic observation of specific conductance and water temperature are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 20	0030	3,540	17.17	May 17	2000	3,230	16.73
Dec 1	unknown	*25,800	*22.27	Aug 25	0200	4,210	17.83
Dec 27	unknown	unknown	unknown	Sep 20	1945	4,320	17.93
Jan 29	0945	4,330	17.94				

Minimum discharge, 194 ft^3/s, Oct. 4, 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	427	e18300	710	2440	558	e4400	410	661	252	e470	264
2	206	410	e21500	634	2270	529	e4200	443	515	244	e360	e240
3	204	400	e25000	591	2200	514	e4200	430	443	261	e285	e235
4	201	389	e23000	572	1810	472	e4100	742	393	261	e250	e230
5	201	371	e16700	542	1340	420	3720	1120	367	250	e240	e228
6	379	364	e9740	643	1030	412	3170	910	381	237	e240	e228
7	349	359	e9600	983	1180	405	1860	625	378	232	e235	225
8	264	358	e3420	882	1430	407	1120	491	354	233	e235	235
9	235	352	e2660	756	1230	562	1050	421	332	244	e230	226
10	224	348	e2130	688	996	887	1110	406	333	270	e590	221
11	1420	346	e1840	742	926	644	900	505	616	243	e550	220
12	2370	342	e2340	739	801	2060	796	459	523	262	e274	216
13	2250	317	e3610	646	695	2360	738	735	480	445	e245	213
14	2850	315	e5260	594	624	2430	680	826	525	487	e291	215
15	2760	323	e5870	556	586	2500	640	605	650	456	301	328
16	2790	336	e6760	515	646	2450	596	461	445	315	651	344
17	2960	332	e7060	490	618	3490	556	1230	360	300	509	305
18	3200	331	e6910	1010	557	4570	819	1650	329	262	443	388
19	3430	338	5540	2110	542	7110	658	940	315	249	933	323
20	3450	e384	4610	2130	1550	12000	553	632	292	242	378	2030
21	2390	e377	3970	2190	1620	13500	505	501	278	240	285	2650
22	1140	e377	2860	1820	1290	10700	467	443	269	266	317	1150
23	723	e372	4020	1490	876	8340	493	409	261	461	376	624
24	595	e855	3650	3370	688	6690	431	387	256	411	980	403
25	676	e1450	3480	3560	602	5500	528	370	255	288	2710	327
26	722	e1020	3430	3630	639	4820	620	372	283	272	952	1460
27	565	e2130	3260	3880	779	4090	471	590	280	247	573	5430
28	493	e1930	2290	4140	596	3320	439	678	261	234	391	5720
29	452	e4470	1310	4200	---	2280	416	1270	277	234	335	6210
30	442	e13900	940	3830	---	1880	397	1810	266	e270	290	8060
31	437	---	782	2740	---	2850	---	1080	---	e490	272	---
MEAN	1245	1134	6834	1658	1091	3508	1354	708.1	379.3	295.4	490.0	1298
MAX	3450	13900	25000	4200	2440	13500	4400	1810	661	490	2710	8060
MIN	201	315	782	490	542	405	397	370	255	232	230	213

e Estimated

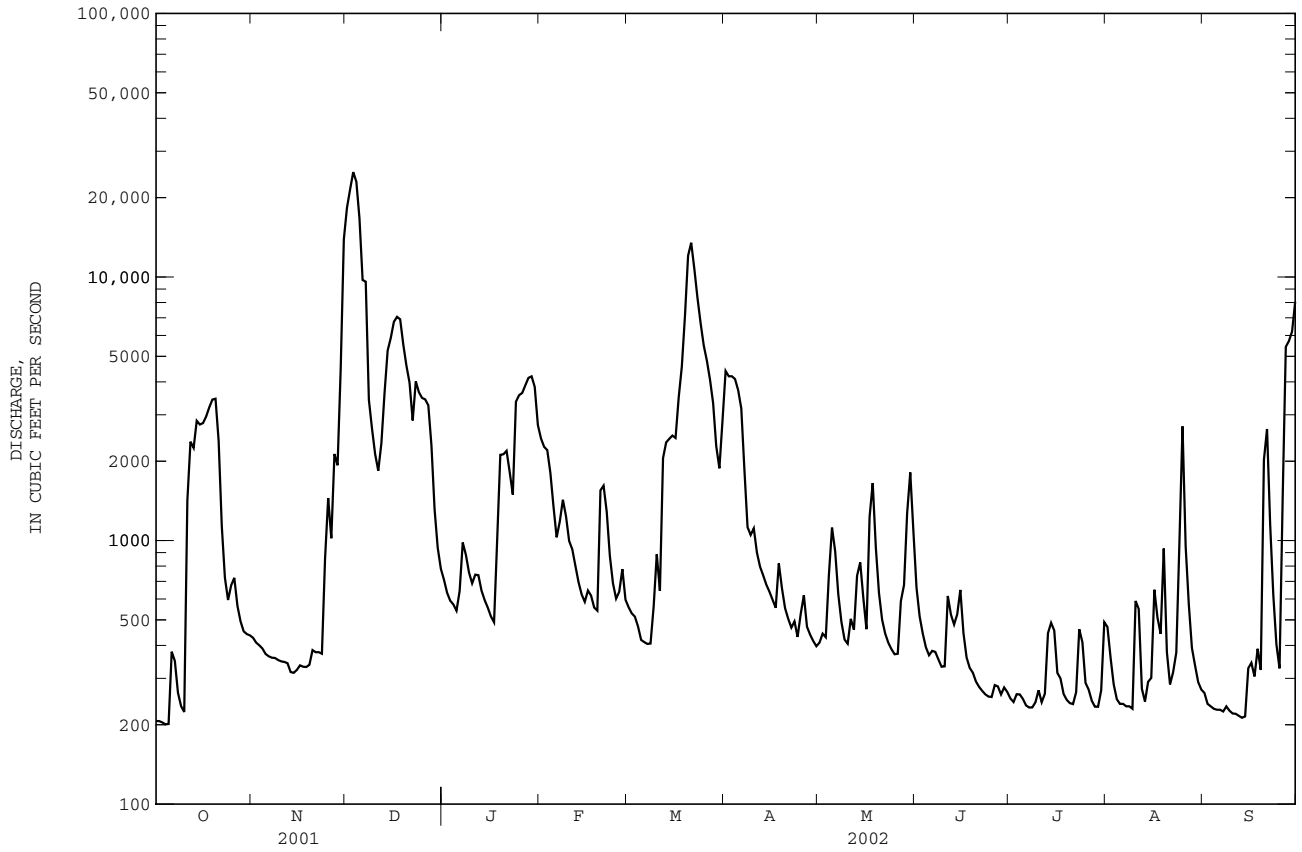
07027720 SOUTH FORK FORKED DEER RIVER NEAR OWL CITY, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1245	1134	6834	1658	2212	2200	1071	608.7	846.7	292.3	406.6	812.6
MAX	1245	1134	6834	1658	4303	3508	1354	708	1314	295	490	1298
(WY)	2002	2002	2002	2002	2001	2002	2002	2002	2001	2002	2002	2002
MIN	1245	1134	6834	1658	1091	891	788	509	379	289	323	327
(WY)	2002	2002	2002	2002	2002	2001	2001	2001	2002	2001	2001	2001

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2001 - 2002	
ANNUAL MEAN	1509		1678		1367	
HIGHEST ANNUAL MEAN					1678	2002
LOWEST ANNUAL MEAN					873	2001
HIGHEST DAILY MEAN	25000	Dec 3	25000	Dec 3	25000	Dec 3 2001
LOWEST DAILY MEAN	120	Jul 16	201	Oct 4	120	Jul 16 2001
ANNUAL SEVEN-DAY MINIMUM	131	Jul 14	221	Sep 8	131	Jul 14 2001
MAXIMUM PEAK FLOW			25800	Dec 1	25800	Dec 1 2001
MAXIMUM PEAK STAGE			22.27	Dec 1	a22.27	Dec 1 2001
INSTANTANEOUS LOW FLOW			b194	Oct 4	120	Jul 16 2001
10 PERCENT EXCEEDS	3960		4050		3620	
50 PERCENT EXCEEDS	430		572		490	
90 PERCENT EXCEEDS	199		246		220	

a Peak stage from crest-stage gage.
b Also occurred Oct. 5.



07028960 MIDDLE FORK FORKED DEER RIVER NEAR FAIRVIEW, TN

LOCATION.--Lat 35°44'39", long 88°50'47", Madison County, Hydrologic Unit 08010204, at upstream side of bridge on Highway 45 bypass, 5 mi north of Jackson, and at mile 30.5.

DRAINAGE AREA.--211 mi^2.

PERIOD OF RECORD.--October 1967 and April 1989 (discharge measurements only), October 1997 to current year.

GAGE.--Data collection platform. Datum of gage is 327 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Periodic observations of specific conductance and water temperature are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 14	0615	3,350	12.18	Mar 19	0845	6,710	16.24
Nov 29	unknown	10,400	19.01	Mar 31	0815	3,490	11.96
Dec 13	0100	4,280	13.19	Aug 24	2315	3,520	12.01
Dec 23	0145	4,030	12.82	Sep 20	1615	3,150	11.36
Jan 24	0515	4,320	13.25	Sep 28	unknown	*10,800	*19.21

Minimum discharge, 53 ft^3/s, Oct. 3, 4, 5.

REVISIONS.--The maximum discharge for water year 1999 has been revised to 6,800 ft^3/s, Jan. 24, 1999, gage height 16.34 ft. They supersede figures published in WDR-TN report for 1999.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	65	e6730	147	371	150	1690	164	192	72	143	107
2	55	65	e4530	137	387	146	1410	169	140	69	125	103
3	55	124	e1230	135	496	145	747	180	111	73	113	100
4	54	107	604	125	351	137	405	166	97	68	105	97
5	64	102	372	128	258	133	261	161	98	67	101	95
6	96	90	289	187	224	129	193	167	109	66	98	92
7	80	82	356	197	241	128	162	133	103	64	97	91
8	74	79	1200	190	246	124	155	110	97	63	96	91
9	68	83	678	168	263	161	175	102	91	64	95	91
10	69	81	571	153	231	169	169	105	262	69	155	91
11	434	79	388	e230	216	212	159	106	168	98	93	90
12	273	77	1670	e225	204	824	144	102	150	394	78	90
13	490	78	3420	e180	177	519	141	196	193	152	83	88
14	1470	78	3070	e170	155	602	133	176	134	169	109	127
15	597	81	2530	161	150	442	122	219	119	196	109	173
16	684	80	2560	153	153	347	114	157	99	158	208	185
17	658	81	2650	149	150	3420	110	552	89	126	171	189
18	376	81	1200	226	149	5210	108	343	83	103	294	138
19	219	87	840	654	145	6400	101	247	80	102	171	116
20	146	107	565	497	294	5350	99	174	75	104	115	928
21	108	106	359	501	277	3530	95	133	74	96	93	403
22	88	104	317	378	278	2420	86	116	73	89	103	327
23	79	97	2380	350	220	956	78	106	71	92	105	244
24	75	246	1100	2900	185	518	80	101	72	87	475	146
25	94	202	1050	2030	166	350	113	96	72	91	1160	108
26	87	257	630	2260	195	775	102	119	105	93	441	2340
27	80	1410	380	1110	173	472	105	120	78	91	384	e10500
28	74	1500	282	519	161	464	97	176	81	88	257	e9000
29	70	9550	227	334	---	351	86	178	80	83	165	e2000
30	68	e9940	187	260	---	445	85	170	76	88	131	e720
31	67	---	165	244	---	2630	---	208	---	156	117	---
TOTAL	6908	25119	42530	15098	6516	37659	7525	5252	3272	3331	5990	28870
MEAN	222.8	837.3	1372	487.0	232.7	1215	250.8	169.4	109.1	107.5	193.2	962.3
MAX	1470	9940	6730	2900	496	6400	1690	552	262	394	1160	10500
MIN	54	65	165	125	145	124	78	96	71	63	78	88
CFSM	1.06	3.97	6.50	2.31	1.10	5.76	1.19	0.80	0.52	0.51	0.92	4.56
IN.	1.22	4.43	7.50	2.66	1.15	6.64	1.33	0.93	0.58	0.59	1.06	5.09

e Estimated

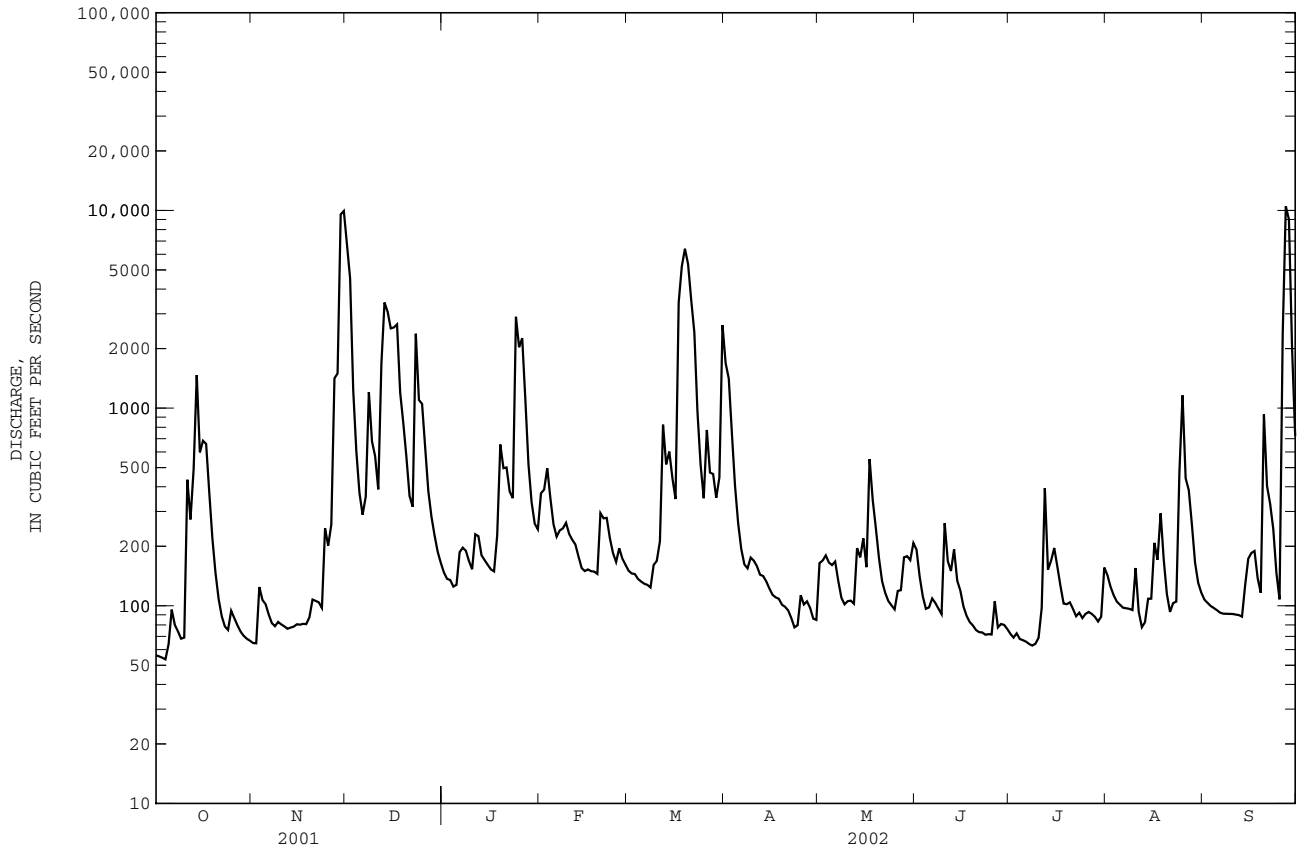
07028960 MIDDLE FORK FORKED DEER RIVER NEAR FAIRVIEW, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

MEAN	122.4	290.6	503.2	525.8	375.3	527.8	305.8	432.4	170.1	152.4	162.7	247.6
MAX	223	837	1372	1099	574	1215	458	1431	290	430	418	962
(WY)	2002	2002	2002	1999	1998	2002	1998	1998	1998	1998	1998	2002
MIN	60.1	97.5	128	121	201	189	199	120	93.7	63.4	58.6	56.6
(WY)	2001	2001	2001	2001	2000	2001	2001	2000	2000	2000	1999	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	124022		188070			
ANNUAL MEAN	339.8		515.3		317.8	
HIGHEST ANNUAL MEAN					515	2002
LOWEST ANNUAL MEAN					145	2000
HIGHEST DAILY MEAN	9940	Nov 30	10500	Sep 27	10500	Sep 27 2002
LOWEST DAILY MEAN	41	Jul 15	54	Oct 4	41	Jul 15 2001
ANNUAL SEVEN-DAY MINIMUM	45	Jul 13	66	Oct 1	45	Jul 13 2001
MAXIMUM PEAK FLOW			10800	Sep 28	10800	Sep 28 2002
MAXIMUM PEAK STAGE			a19.21	Sep 28	a19.21	Sep 28 2002
INSTANTANEOUS LOW FLOW			b53	Oct 3	40	Jul 15 2001
ANNUAL RUNOFF (CFSM)	1.61		2.44		1.51	
ANNUAL RUNOFF (INCHES)	21.87		33.16		20.46	
10 PERCENT EXCEEDS	629		1070		520	
50 PERCENT EXCEEDS	95		150		133	
90 PERCENT EXCEEDS	55		78		60	

a Peak stage determined from crest-stage gage.
b Also occurred Oct. 4, 5.



07029500 HATCHIE RIVER AT BOLIVAR, TN

LOCATION.--Lat 35°16'31", long 88°58'36", Hardeman County, Hydrologic Unit 08010208, on left bank 25 ft upstream from bridge on State Highway 18, 250 ft upstream from Illinois Central Gulf Railroad bridge, 0.6 mi downstream from Spring Creek, 1.5 mi northeast of Bolivar, and at mile 135.1.

DRAINAGE AREA.--1,480 mi^2.

PERIOD OF RECORD.--July 1929 to current year.

GAGE.--Data collection platform. Datum of gage is 323.49 ft above NGVD of 1929, determined using benchmark Q-64, April 14, 1966.

REMARKS.--Records good except for estimated daily discharges, which are fair. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 18	1530	16,600	16.89	Jan 30	1330	10,300	16.74
Dec 1	2315	*52,300	*21.02	Mar 21	1815	10,800	16.87
Dec 5	0500	18,200	18.15	Apr 4	0930	9,290	16.48
Dec 18	2245	9,990	16.67				
Jan 26	1900	31,600	19.46				

Minimum discharge, 223 ft^3/s, Sept. 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	387	820	49200	3140	7180	3680	6700	1110	2210	429	471	275
2	369	771	45800	2530	6300	3350	7190	1260	2220	412	533	264
3	355	738	35000	2010	5670	2860	8490	1520	2180	421	494	259
4	341	e700	23200	1660	5190	2320	9020	2440	2030	444	439	253
5	326	e650	15300	1480	4780	1940	8150	3450	1620	510	396	255
6	340	e610	10900	1530	4470	1670	7070	3770	1200	472	364	251
7	376	e590	8610	1840	4190	1520	6180	3800	992	422	345	253
8	398	e560	7980	2170	3980	1440	5470	3950	888	396	337	243
9	401	e557	7200	2270	3830	e1390	5020	4250	787	388	318	240
10	369	555	6540	2170	3750	e1360	4650	4500	708	401	304	238
11	576	556	5860	2030	3690	e1700	4310	4460	965	451	289	234
12	1790	556	5500	1840	3610	e3150	4020	4220	1380	522	279	231
13	2920	556	6170	1670	3500	4470	3800	4010	1330	786	285	226
14	4950	557	6200	1550	3330	4760	3610	3820	1130	817	332	230
15	5320	557	6120	1420	3040	4910	3420	3630	1240	682	356	258
16	5920	557	6370	1350	2640	5550	3160	3350	1390	694	446	271
17	10800	557	7880	1270	2230	7060	2810	3030	1460	861	500	291
18	16100	556	9200	1290	1960	7870	2410	2590	1240	847	535	336
19	15200	557	9010	1850	1770	7700	2090	2190	951	714	549	405
20	12900	e620	7710	2950	2200	9300	1830	1940	779	597	525	378
21	10600	e750	6720	3560	3090	10400	1600	1520	671	554	548	378
22	8850	e890	6010	3670	3510	10300	1480	1200	595	610	448	407
23	7500	e980	6170	3870	3570	8680	1410	1010	541	766	373	495
24	6460	e1010	5770	5340	3700	7260	1360	900	505	838	340	457
25	5680	e1150	5420	13500	3870	6350	1270	819	477	760	349	380
26	4770	e1380	4940	28600	4090	e5570	1170	915	461	738	396	1050
27	3730	e2360	4640	27700	4090	e5310	1100	890	452	732	411	5730
28	2360	e4990	4410	20400	3920	4950	1060	919	461	634	358	5770
29	1380	16600	4170	14100	---	4560	1050	1290	459	569	316	5910
30	1010	37700	3890	10400	---	4490	1060	1770	444	490	291	11400
31	893	---	3610	8200	---	5650	---	2100	---	456	278	---
TOTAL	133371	79990	335500	177360	107150	151520	111960	76623	31766	18413	12205	37368
MEAN	4302	2666	10820	5721	3827	4888	3732	2472	1059	594.0	393.7	1246
MAX	16100	37700	49200	28600	7180	10400	9020	4500	2220	861	549	11400
MIN	326	555	3610	1270	1770	1360	1050	819	444	388	278	226
CFSM	2.91	1.80	7.31	3.87	2.59	3.30	2.52	1.67	0.72	0.40	0.27	0.84
IN.	3.35	2.01	8.43	4.46	2.69	3.81	2.81	1.93	0.80	0.46	0.31	0.94

e Estimated

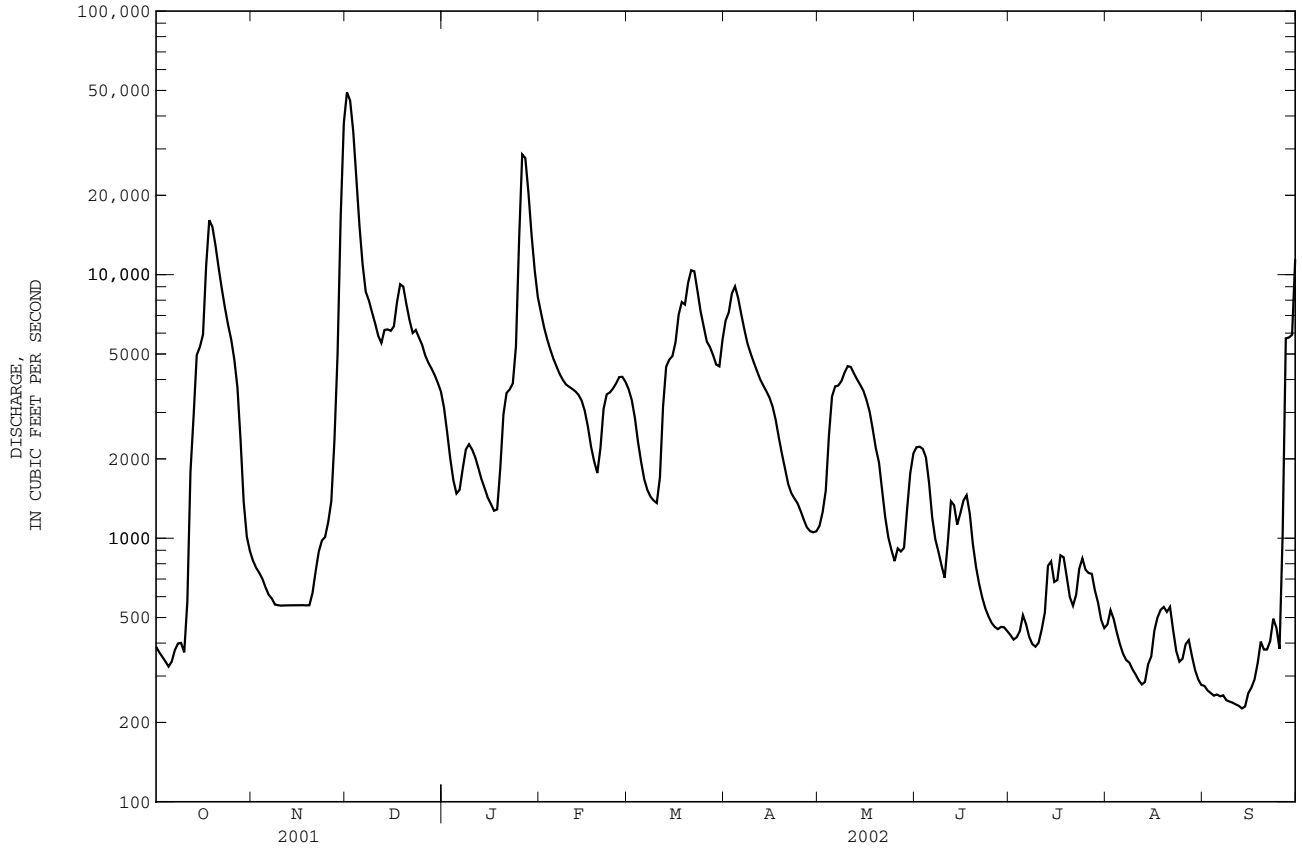
07029500 HATCHIE RIVER AT BOLIVAR, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	757.9	1670	3295	4494	4709	4597	3933	2690	1445	923.3	621.1	724.8
MAX	4447	7457	12490	13420	14060	12110	10960	13540	8181	5933	2678	4651
(WY)	1933	1958	1983	1974	1948	1973	1979	1991	1997	1932	1931	1979
MIN	150	233	422	555	829	1053	711	444	209	189	193	127
(WY)	1957	1957	1955	1955	1934	1941	1986	1942	1941	1943	1954	1956

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	1135154		1273226			
ANNUAL MEAN	3110		3488		2473	
HIGHEST ANNUAL MEAN					5003	1973
LOWEST ANNUAL MEAN					971	1941
HIGHEST DAILY MEAN	49200	Dec 1	49200	Dec 1	59300	Mar 18 1973
LOWEST DAILY MEAN	159	Aug 7	226	Sep 13	80	Sep 1 1943
ANNUAL SEVEN-DAY MINIMUM	175	Aug 3	235	Sep 8	85	Aug 26 1943
MAXIMUM PEAK FLOW			52300	Dec 1	a61600	Mar 18 1973
MAXIMUM PEAK STAGE			21.02	Dec 1	21.66	Mar 18 1973
INSTANTANEOUS LOW FLOW			b223	Sep 13	78	Sep 2 1943
ANNUAL RUNOFF (CFSM)	2.10		2.36		1.67	
ANNUAL RUNOFF (INCHES)	28.53		32.00		22.71	
10 PERCENT EXCEEDS	7180		7700		6070	
50 PERCENT EXCEEDS	1070		1520		1100	
90 PERCENT EXCEEDS	330		357		272	

a From rating curve extended above 37,000 ft^3/s.
b Also occurred Sept. 14.



07030240 LOOSAHATCHIE RIVER NEAR ARLINGTON, TN

LOCATION.--Lat 35°18'37", long 89°38'23", Shelby County, Hydrologic Unit 08010209, on left bank 20 ft downstream from bridge on U.S. Highways 70 and 79, 1.5 mi upstream from Beaver Creek, 1.5 mi northeast of Arlington, and at mile 30.4.

DRAINAGE AREA.--262 mi^2.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Data collection platform. Datum of the gage is 246.43 ft above NGVD of 1929, from reference mark, provided by FEMA.

REMARKS.--Records good. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 11	1815	8,410	18.04	Mar 12	0845	8,440	18.07
Nov 29	2100	*22,800	*24.06	aMar 18	0545	19,600	23.04
Dec 8	0215	5,620	14.20	Mar 20	1030	7,030	16.47
Dec 13	0200	10,800	19.75	Mar 31	1245	8,350	17.98
Dec 17	1200	9,770	19.21	Sep 20	1930	7,280	16.83
Dec 23	1345	7,140	16.62	Sep 27	0245	10,300	19.51
Jan 24	0930	9,100	18.72				

Minimum daily discharge, 89 ft^3/s, Nov. 23.
a Flood marks from crest-stage gage.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	121	3810	146	2130	162	2270	308	137	102	121	138
2	106	120	634	137	503	164	554	146	129	106	118	135
3	104	116	436	136	316	152	341	205	125	126	116	132
4	103	112	368	128	309	143	258	1150	124	101	115	129
5	106	111	331	128	233	142	224	282	126	99	112	126
6	114	111	311	330	237	141	201	169	130	97	179	124
7	102	108	1070	305	592	140	185	136	121	95	263	121
8	101	107	3440	201	746	137	182	118	118	95	130	118
9	100	105	721	171	360	194	202	109	116	95	124	118
10	100	105	349	155	276	183	169	137	237	95	122	118
11	4240	103	248	154	222	216	158	136	223	96	119	116
12	3010	101	3410	141	199	6410	152	107	131	99	116	113
13	2410	100	9700	131	184	1530	149	433	133	117	117	112
14	2410	101	5950	126	171	474	141	224	163	155	205	113
15	484	98	1130	117	166	329	137	127	127	228	158	117
16	250	96	3800	112	169	1000	138	108	114	160	1030	113
17	201	94	8210	113	160	e7380	128	1610	111	136	418	204
18	183	93	2810	158	152	e15500	127	1100	110	117	220	144
19	171	93	593	1790	181	5270	123	287	109	115	277	279
20	162	92	342	576	1910	5280	119	208	108	111	164	4130
21	155	91	273	e296	484	1440	116	180	106	197	378	1540
22	149	90	386	217	278	501	127	167	105	236	170	223
23	145	89	5490	422	219	355	114	158	104	430	152	138
24	149	1380	1650	6950	196	300	111	151	103	291	270	119
25	286	548	481	2960	185	265	106	148	103	165	856	111
26	148	200	317	582	202	505	103	201	103	141	215	2700
27	133	3330	258	356	181	284	105	188	172	134	170	9520
28	128	3590	224	281	163	269	108	197	213	129	155	4760
29	125	17400	195	251	---	447	104	379	112	125	149	488
30	123	16700	168	228	---	4760	375	244	105	124	144	254
31	122	---	154	289	---	7260	---	154	---	127	141	---
TOTAL	16227	45505	57259	18087	11124	61333	7327	9267	3918	4444	7024	26553
MEAN	523.5	1517	1847	583.5	397.3	1978	244.2	298.9	130.6	143.4	226.6	885.1
MAX	4240	17400	9700	6950	2130	15500	2270	1610	237	430	1030	9520
MIN	100	89	154	112	152	137	103	107	103	95	112	111
MED	145	106	481	201	221	329	139	180	120	124	155	130
CFSM	2.00	5.79	7.05	2.23	1.52	7.55	0.93	1.14	0.50	0.55	0.86	3.38
IN.	2.30	6.46	8.13	2.57	1.58	8.71	1.04	1.32	0.56	0.63	1.00	3.77

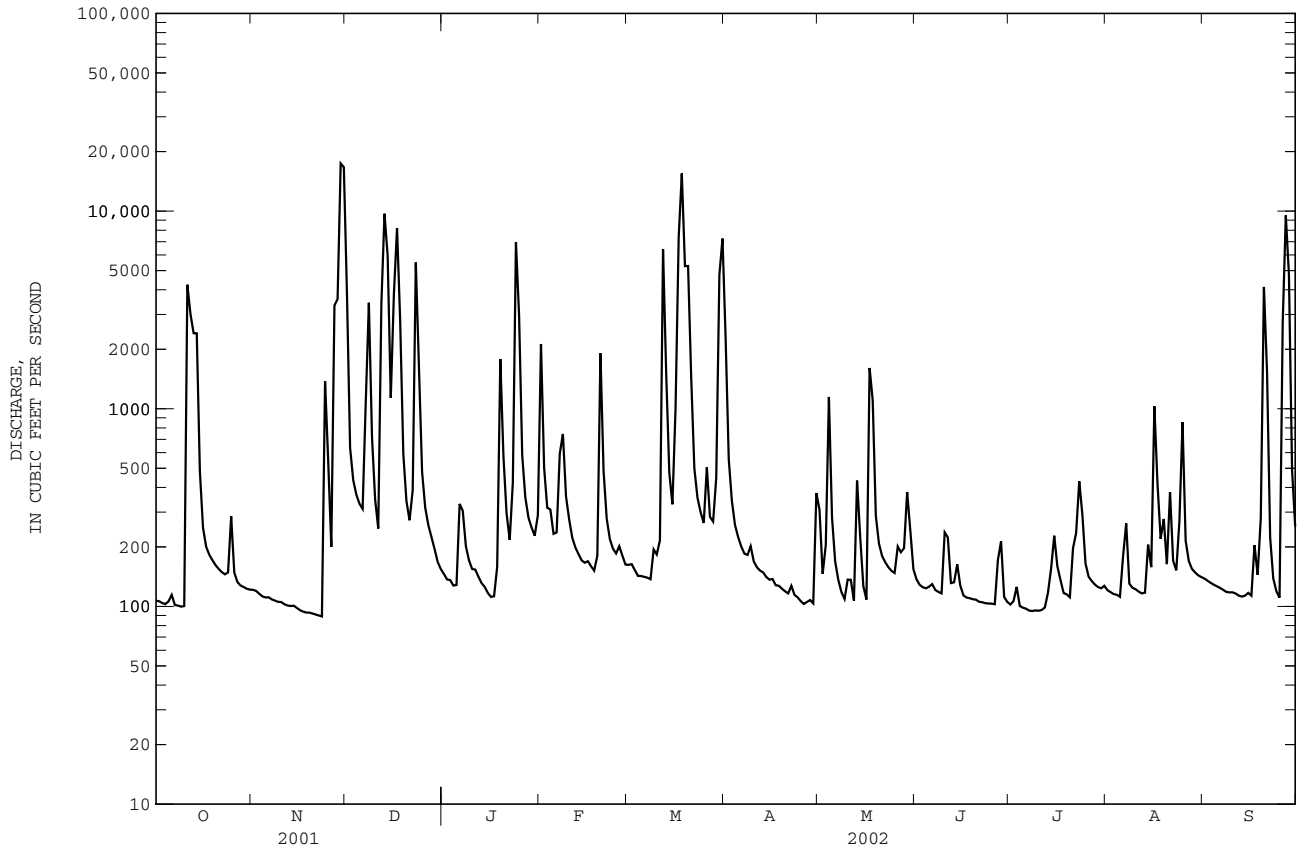
e Estimated

07030240 LOOSAHATCHIE RIVER NEAR ARLINGTON, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

MEAN	151.1	351.6	617.6	508.5	633.0	675.9	566.0	362.5	276.4	197.8	159.8	173.3
MAX	531	1517	1962	1479	2064	2038	2306	1497	1609	1155	521	885
(WY)	1997	2002	1988	1974	1990	1997	1991	1983	1974	1989	1974	2002
MIN	73.4	75.6	106	94.5	128	141	107	93.8	86.7	87.5	80.5	73.3
(WY)	1970	1972	1977	1981	1995	1986	1978	1988	1972	1970	1999	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1970 - 2002	
ANNUAL TOTAL	194124		268068			
ANNUAL MEAN	531.8		734.4		388.1	
HIGHEST ANNUAL MEAN					769	1989
LOWEST ANNUAL MEAN					154	1986
HIGHEST DAILY MEAN	17400	Nov 29	17400	Nov 29	19900	Dec 26 1987
LOWEST DAILY MEAN	84	Jan 16	89	Nov 23	66	Apr 7 1974
ANNUAL SEVEN-DAY MINIMUM	87	Jan 5	92	Nov 17	68	Nov 5 1982
MAXIMUM PEAK FLOW					27400	Dec 25 1987
MAXIMUM PEAK STAGE					25.27	Dec 25 1987
INSTANTANEOUS LOW FLOW					66	Apr 6 1974
ANNUAL RUNOFF (CFSM)	2.03		2.80		1.48	
ANNUAL RUNOFF (INCHES)	27.56		38.06		20.13	
10 PERCENT EXCEEDS	852		1570		600	
50 PERCENT EXCEEDS	117		158		119	
90 PERCENT EXCEEDS	91		105		85	



07030392 WOLF RIVER AT LAGRANGE, TN

LOCATION.--Lat 35°01'57", long 89°14'48", Fayette County, Hydrologic Unit 08010210, on right bank upstream side of bridge on Yager Road, 0.95 mi south of LaGrange, and at mile 72.6.

DRAINAGE AREA.--210 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1995 to current year.

GAGE.--Data collection platform. Datum of gage is 350 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated discharges, which are poor. Periodic observation of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 30	0145	*11,300	*15.43	Mar 18	1645	1,910	11.54
Dec 14	1700	2,030	11.63	Mar 20	1800	1,840	11.49
Jan 25	1245	2,120	11.69	Apr 1	0730	2,900	12.17
Mar 13	1115	3,000	12.23	Sep 28	0215	4,940	13.17

Minimum discharge, 68 ft^3/s, Oct. 4, 5.

REVISIONS.--The maximum discharges for some water years have been revised as shown in the following table. They supersede figures published in WDR-TN reports for 1997, 1999, and 2001.

Water year	Date	Discharge (ft^3/s)	Gage height (ft)
1997	Mar. 2, 1997	5,150	13.27
1999	Mar. 14, 1999	4,820	13.11
2001	Feb. 17, 2001	6,040	13.66

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	87	3660	223	e560	237	2580	275	203	131	166	118
2	69	86	1480	213	e570	221	1220	262	177	125	180	115
3	70	86	1000	208	e386	212	620	328	161	138	154	112
4	69	85	684	200	346	204	412	798	151	133	140	110
5	71	85	487	197	308	197	345	1090	144	122	128	108
6	81	83	385	253	310	190	313	1040	156	120	121	105
7	81	81	329	307	357	186	298	486	162	119	116	104
8	75	80	370	327	402	185	287	306	155	114	111	103
9	72	81	526	291	387	195	310	256	153	123	109	103
10	72	85	608	243	349	200	335	248	171	136	111	103
11	207	84	413	220	315	199	340	272	297	156	112	102
12	740	82	381	209	290	1370	299	299	350	191	111	101
13	796	83	951	202	252	2550	274	304	307	344	110	99
14	1140	83	1580	196	234	1200	261	297	262	243	132	102
15	790	82	1720	187	226	527	252	290	290	243	166	117
16	512	81	1020	181	224	672	240	257	284	197	174	132
17	371	81	904	191	219	1130	228	226	222	160	205	193
18	209	81	1040	212	214	1400	216	262	178	151	226	186
19	133	82	797	491	213	1570	208	268	159	172	219	151
20	108	86	508	751	e564	1510	200	260	149	162	178	147
21	96	85	360	790	e768	1360	192	217	142	185	173	161
22	91	84	318	444	e526	1040	194	190	136	161	152	145
23	87	85	896	486	352	561	199	178	131	229	134	131
24	86	121	1070	e1370	292	392	201	170	128	332	139	121
25	105	192	806	e1990	258	346	188	164	128	340	233	117
26	100	177	436	e1690	293	392	172	166	125	249	256	308
27	95	815	334	e913	279	397	169	170	130	185	226	3040
28	95	1280	301	e568	261	377	170	168	158	155	180	3770
29	92	5450	273	e430	---	331	175	226	154	140	143	1560
30	90	9620	252	e411	---	628	200	255	141	130	130	721
31	87	---	237	e379	---	1990	---	222	---	133	123	---
TOTAL	6760	19573	24126	14773	9755	21969	11098	9950	5504	5519	4858	12485
MEAN	218.1	652.4	778.3	476.5	348.4	708.7	369.9	321.0	183.5	178.0	156.7	416.2
MAX	1140	9620	3660	1990	768	2550	2580	1090	350	344	256	3770
MIN	69	80	237	181	213	185	169	164	125	114	109	99
CFSM	1.04	3.11	3.71	2.27	1.66	3.37	1.76	1.53	0.87	0.85	0.75	1.98
IN.	1.20	3.47	4.27	2.62	1.73	3.89	1.97	1.76	0.97	0.98	0.86	2.21

e Estimated

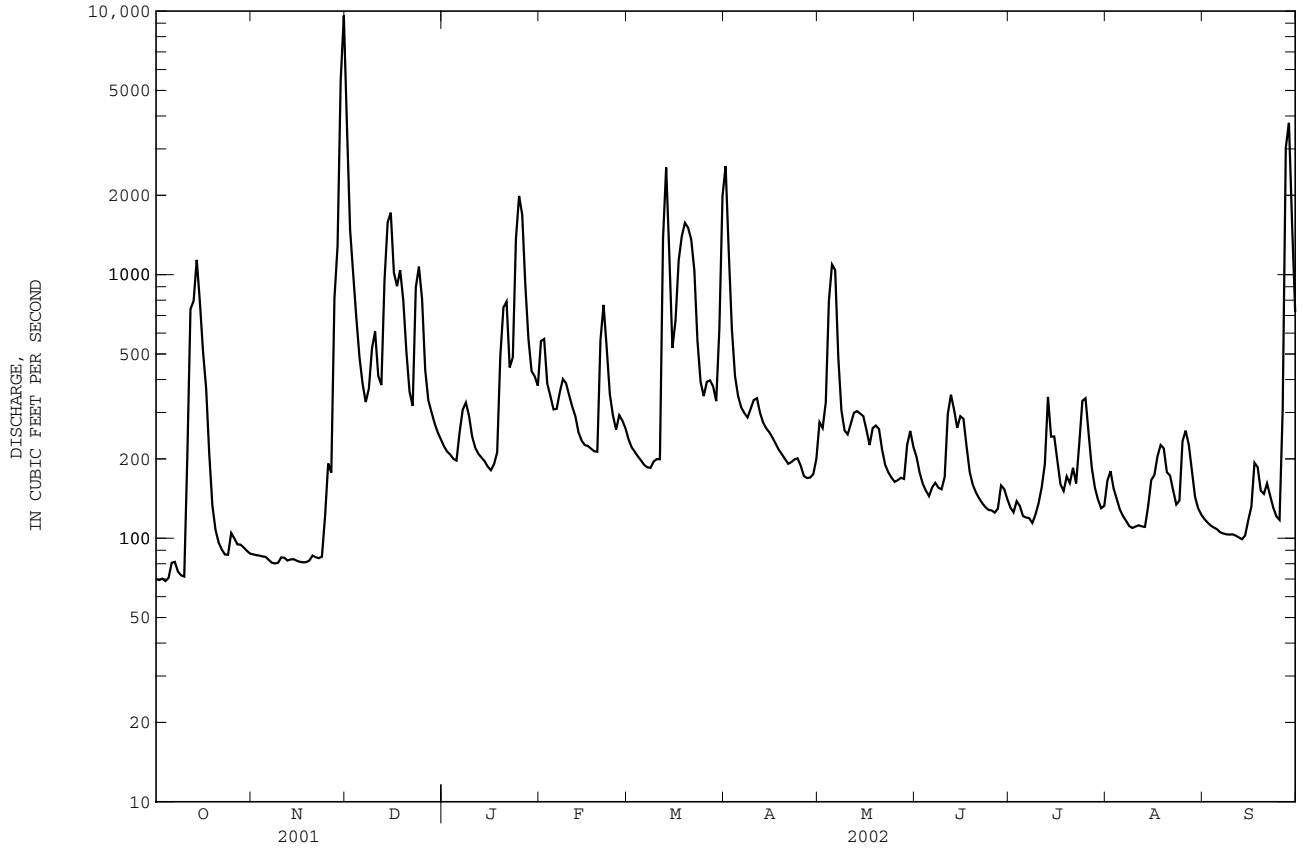
07030392 WOLF RIVER AT LAGRANGE, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	159.1	265.3	360.0	433.0	471.7	510.2	348.6	268.4	228.7	147.0	143.9	180.4
MAX	274	652	778	745	1018	956	492	455	628	207	278	416
(WY)	1997	2002	2002	1999	2001	1997	1998	1999	1997	1997	1998	2002
MIN	69.9	149	176	173	233	227	261	116	112	79.7	80.5	68.4
(WY)	2001	2001	2001	2000	1996	2000	1996	2001	2000	2001	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	118658		146370			
ANNUAL MEAN	325.1		401.0		290.8	
HIGHEST ANNUAL MEAN					412	1997
LOWEST ANNUAL MEAN					73.5	1995
HIGHEST DAILY MEAN	10100	Feb 17	9620	Nov 30	10100	Feb 17 2001
LOWEST DAILY MEAN	65	Aug 26	69	Oct 2	59	Sep 1 2000
ANNUAL SEVEN-DAY MINIMUM	69	Aug 21	73	Oct 1	60	Aug 31 2000
MAXIMUM PEAK FLOW			11300	Nov 30	11300	Nov 30 2001
MAXIMUM PEAK STAGE			15.43	Nov 30	15.43	Nov 30 2001
INSTANTANEOUS LOW FLOW			a68	Oct 4	56	Sep 1 2000
ANNUAL RUNOFF (CFSM)	1.55		1.91		1.38	
ANNUAL RUNOFF (INCHES)	21.02		25.93		18.81	
10 PERCENT EXCEEDS	602		847		546	
50 PERCENT EXCEEDS	124		208		179	
90 PERCENT EXCEEDS	75		89		84	

a Also occurred Oct. 5.



07030392 WOLF RIVER AT LAGRANGE, TN--Continued

WATER-QUALITY DATA

PERIOD OF RECORD.--October 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV													
14...	1000	38	5.9	12.0	763	9.6	89	17	14	.7	2.96	<.008	.24
DEC													
05...	1445	30	6.6	12.5	761	8.2	77	12	10	2.2	1.54	<.008	.17
JAN													
09...	1230	32	6.9	4.5	752	11.4	90	8	7	2.4	2.33	<.008	.30
FEB													
04...	1500	32	6.8	7.5	764	11.5	96	13	11	2.0	2.06	<.008	.25
MAR													
12...	1200	28	6.8	11.0	757	9.9	90	9	8	1.7	1.57	E.004	.32
APR													
24...	1230	49	7.0	19.5	762	7.2	78	21	17	.8	2.03	<.008	.20
MAY													
08...	1200	38	6.2	22.0	764	6.9	79	16	13	1.4	1.61	E.006	.21
JUL													
15...	1400	37	5.8	24.0	762	6.8	81	E14	E12	1.4	1.95	<.008	.21
AUG													
08...	1015	43	5.9	22.0	766	7.6	86	19	15	.5	2.55	E.005	.29

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
NOV					
14...	<.04	.21	.44	.047	<.02
DEC					
05...	E.03	.47	.64	.145	E.02
JAN					
09...	<.04	.26	.56	.049	<.02
FEB					
04...	<.04	.37	.62	.070	E.01
MAR					
12...	E.04	1.1	1.4	.35	.03
APR					
24...	<.04	.34	.54	.049	E.01
MAY					
08...	.08	.47	.68	.099	.02
JUL					
15...	<.04	.49	.71	.145	.02
AUG					
08...	<.04	.20	.48	.043	<.02

THIS PAGE IS INTENTIONALLY BLANK

07030500 WOLF RIVER AT ROSSVILLE, TN

LOCATION.--Lat 35°03'15", long 89°32'28", Fayette County, Hydrologic Unit 08010210, on left bank 85 ft downstream from county highway bridge, 0.3 mi upstram from Hurricane Creek, 0.4 mi north of Rossville, 5.0 miles downstream from Grissum Creek, and at mile 43.7.

DRAINAGE AREA.--503 mi^2.

PERIOD OF RECORD.--July 1929 to January 1972, May 2001 to current year.

REVISED RECORDS.--WSP 807: 1935. WSP 1117: 1930. WSP 1177: 1932. WSP 1281: 1935, 1946(M), drainage area. WSP 1391: 1937-38.

GAGE.--Data collection platform. Datum of gage is 300.74 ft above NGVD of 1929 determined from Tennessee Highway Department reference tablet. Prior to June 13, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Periodic observation of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 14	1130	4,300	9.61	Mar 12	1945	5,900	10.54
Nov 30	0600	*24,000	*14.57	Mar 21	0345	7,850	11.46
Dec 14	1100	7,110	11.13	Apr 1	0915	7,640	11.37
Dec 19	1245	3,680	9.18	Sep 21	0945	3,210	8.82
Dec 23	1715	5,490	10.32	Sep 27	1400	10,700	12.29
Jan 26	0315	7,970	11.51				

Minimum daily discharge, 158 ft^3/s, Oct. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	303	17100	493	1200	511	6840	809	398	269	391	305
2	167	286	8540	459	1210	488	6230	568	377	272	317	286
3	163	288	5380	440	1090	464	4610	629	359	297	305	270
4	158	280	3240	419	884	428	2540	1850	334	272	304	261
5	176	278	1830	409	755	411	1210	1780	318	262	292	252
6	205	270	1220	537	697	399	828	1580	307	254	309	246
7	206	267	921	603	783	392	670	1270	295	243	338	242
8	186	265	1210	536	839	387	600	1240	290	234	297	239
9	179	262	1480	526	772	433	621	1010	288	235	272	237
10	173	e260	1480	533	735	505	584	719	287	250	260	237
11	996	258	1070	516	684	488	554	576	317	304	253	235
12	2310	257	1790	475	622	4190	558	496	394	302	250	233
13	3050	265	5560	442	566	5770	560	552	438	467	257	231
14	4080	268	6740	421	520	5270	529	659	519	417	1290	234
15	3530	270	5580	403	483	e3600	495	575	501	448	1260	264
16	2660	270	4410	389	467	e3400	466	507	446	448	1030	261
17	1860	268	4610	382	448	e5000	446	569	433	436	897	758
18	1160	265	4770	414	428	e7200	439	758	422	386	559	553
19	805	267	3710	1080	431	e7800	420	607	390	385	574	413
20	616	275	2330	1330	1240	e7400	401	469	346	357	419	1590
21	489	272	1380	1160	1250	6810	387	436	313	333	712	2830
22	410	275	1110	1040	1060	5670	391	429	290	329	428	1090
23	367	279	4290	1100	987	3560	386	397	274	428	377	427
24	343	329	4920	3040	908	1910	371	364	264	399	692	351
25	345	401	3710	6300	706	1140	361	343	257	394	1390	313
26	338	368	2080	7450	661	1010	356	331	253	424	603	1640
27	327	1110	1350	5800	592	921	358	323	251	454	413	9780
28	316	1790	968	3830	537	807	356	318	261	423	401	8620
29	314	12200	734	1900	---	741	359	328	266	368	387	6950
30	313	23000	603	1120	---	1640	491	382	271	324	364	5680
31	311	---	536	873	---	4920	---	420	---	357	331	---
TOTAL	26727	45446	104652	44420	21555	83665	33417	21294	10159	10771	15972	45028
MEAN	862.2	1515	3376	1433	769.8	2699	1114	686.9	338.6	347.5	515.2	1501
MAX	4080	23000	17100	7450	1250	7800	6840	1850	519	467	1390	9780
MIN	158	257	536	382	428	387	356	318	251	234	250	231
CFSM	1.71	3.01	6.71	2.85	1.53	5.37	2.21	1.37	0.67	0.69	1.02	2.98
IN.	1.98	3.36	7.74	3.29	1.59	6.19	2.47	1.57	0.75	0.80	1.18	3.33

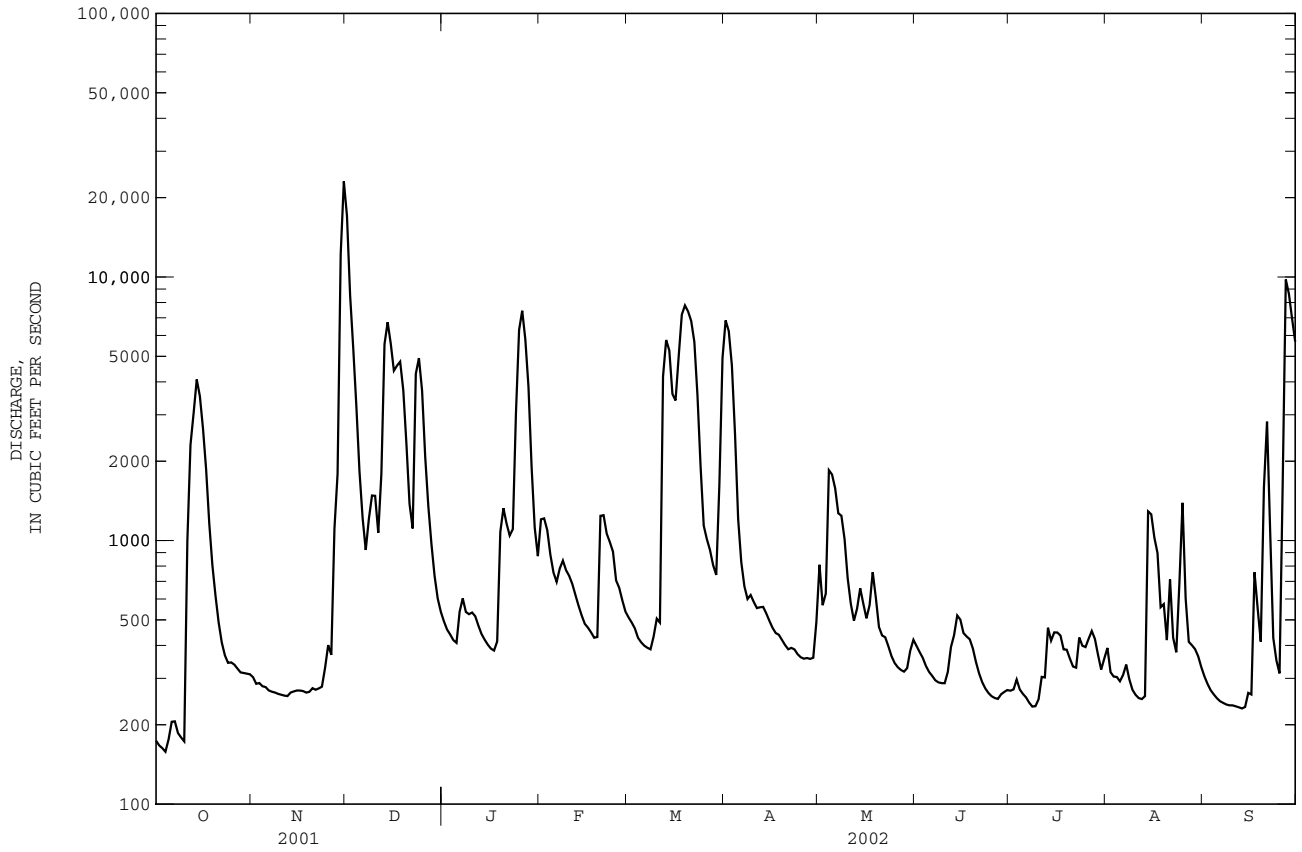
e Estimated

07030500 WOLF RIVER AT ROSSVILLE, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

MEAN	264.9	537.4	795.8	1185	1269	1111	899.9	615.3	417.0	350.4	253.9	312.9
MAX	862	2452	3376	4403	3704	2699	2144	3771	1963	2245	608	1501
(WY)	2002	1946	2002	1937	1948	2002	1955	1953	1949	1932	1950	2002
MIN	132	181	226	245	288	286	237	181	144	129	121	121
(WY)	1932	1957	1966	1940	1941	1941	1930	1942	1941	1942	1943	1942

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	208263		463106			
ANNUAL MEAN	942.4		1269		660.7	
HIGHEST ANNUAL MEAN					1269	2002
LOWEST ANNUAL MEAN					244	2001
HIGHEST DAILY MEAN	23000	Nov 30	23000	Nov 30	31000	Jan 21 1935
LOWEST DAILY MEAN	158	Oct 4	158	Oct 4	100	Sep 16 1942
ANNUAL SEVEN-DAY MINIMUM	178	Sep 30	178	Oct 1	105	Aug 27 1943
MAXIMUM PEAK FLOW			24000	Nov 30	40000	Jan 20 1935
MAXIMUM PEAK STAGE			14.57	Nov 30	13.75	Jan 20 1935
INSTANTANEOUS LOW FLOW					100	Sep 16 1942
ANNUAL RUNOFF (CFSM)	1.87		2.52		1.31	
ANNUAL RUNOFF (INCHES)	15.40		34.25		17.85	
10 PERCENT EXCEEDS	2260		3710		1350	
50 PERCENT EXCEEDS	261		446		290	
90 PERCENT EXCEEDS	204		261		166	



07031650 WOLF RIVER AT GERMANTOWN, TN

LOCATION.--Lat 35°06'59", long 89°48'05", Shelby County, Hydrologic Unit 08010210, on left bank, 30 ft downstream of bridge on Germantown Road, 1.7 mi north of U.S. Hwy 72, 3.6 mi downstream of Grays Creek, 4.0 mi northeast of I-240 and U.S. Highway 72 interchange, and at mile 18.9.

DRAINAGE AREA.--699 mi^2.

PERIOD OF RECORD.--October 1969 to September 1986, October 1990 to current year. Prior to September 1977 published as "near Germantown".

GAGE.--Data collection platform. Datum of gage is 235.76 ft above NGVD of 1929, determined from Tennessee Department of Transportation brass disc, and from BM-79-4-19. Apr. 21, 1986, to Dec. 30, 1990, water-stage recorder at site 2.1 mi downstream at datum 9.94 ft lower.

REMARKS.--Records fair, except for periods of estimated daily discharges, which are poor. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data. National Weather Service rain gage and telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 1	1615	*26,100	*25.52	Mar 17	2315	16,300	20.68
Dec 17	0900	10,700	16.88	Sep 28	1045	11,700	17.62

Minimum daily discharge, 247 ft^3/s, Oct. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	341	24400	699	2510	572	5730	1240	491	315	467	440
2	258	338	22200	646	1770	546	5730	862	461	350	393	411
3	253	338	10500	609	1500	515	4700	981	438	1110	337	391
4	247	336	5070	576	1270	473	3430	2320	417	399	324	374
5	314	334	3330	549	1060	440	2360	2110	393	333	318	360
6	314	327	2330	925	1010	420	1430	1920	409	312	623	347
7	287	323	1940	860	1180	408	996	1650	365	298	596	339
8	277	320	2070	764	1280	400	855	1410	353	286	359	330
9	271	319	e2400	682	1140	470	817	1320	347	280	314	322
10	281	320	e2600	668	1010	520	755	1120	384	281	289	317
11	3540	320	e2150	639	908	740	690	868	424	323	273	310
12	1890	321	e3500	596	824	5240	650	727	390	372	268	301
13	3770	319	e6700	552	746	4870	640	794	1730	391	278	294
14	2900	320	e7300	505	678	4580	621	777	1010	563	739	288
15	2540	317	7100	469	626	4000	585	760	628	473	1450	293
16	2360	316	6700	441	e600	4120	547	676	566	495	2690	327
17	2070	314	8120	430	e570	12700	510	1430	514	482	1530	492
18	1700	312	5400	471	e530	11500	483	1500	494	468	1050	752
19	1210	327	4160	1270	e500	6340	467	1210	470	524	820	630
20	851	320	3270	1470	e1350	7340	442	779	428	475	703	3170
21	662	319	2510	1380	e1400	6220	416	614	387	434	728	2280
22	537	316	2350	1170	e1200	5160	463	568	358	368	760	2330
23	464	317	6060	1170	1090	4010	404	533	336	381	604	1240
24	460	1820	5070	4340	1010	2820	385	485	334	489	804	600
25	444	579	4020	4380	894	2000	363	452	322	414	1410	479
26	395	555	3160	5390	754	1670	350	443	305	420	1280	2680
27	381	2150	2300	6470	697	1320	344	415	473	449	728	7060
28	362	4200	1640	4670	614	1120	344	529	477	458	590	11100
29	354	16400	1170	3180	---	990	338	640	323	418	557	8450
30	348	17800	915	2160	---	2240	1320	441	318	393	525	5870
31	346	---	777	1700	---	5640	---	473	---	639	478	---
TOTAL	30354	50938	161212	49831	28721	99384	37165	30047	14345	13393	22285	52577
MEAN	979.2	1698	5200	1607	1026	3206	1239	969.3	478.2	432.0	718.9	1753
MAX	3770	17800	24400	6470	2510	12700	5730	2320	1730	1110	2690	11100
MIN	247	312	777	430	500	400	338	415	305	280	268	288
CFSM	1.40	2.43	7.44	2.30	1.47	4.59	1.77	1.39	0.68	0.62	1.03	2.51
IN.	1.62	2.71	8.58	2.65	1.53	5.29	1.98	1.60	0.76	0.71	1.19	2.80

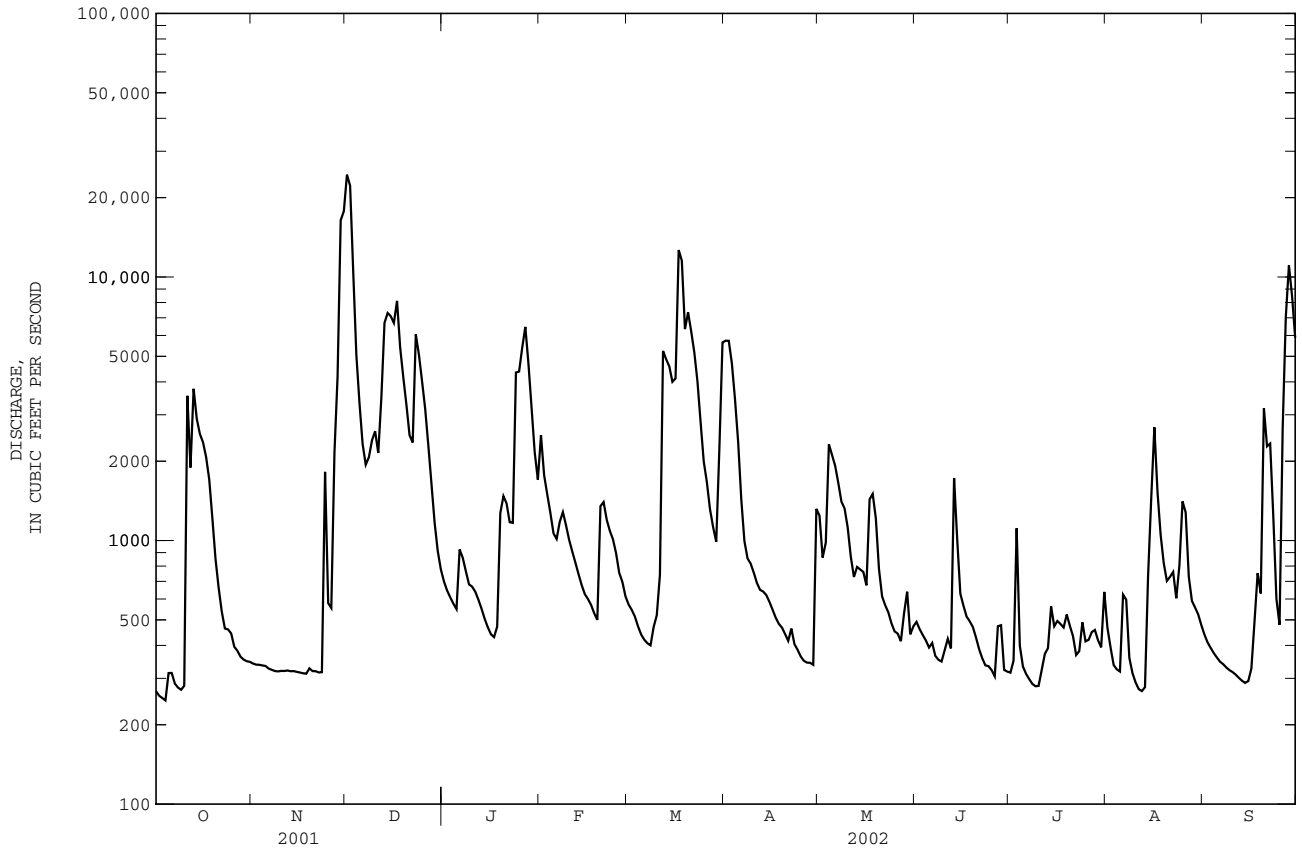
e Estimated

07031650 WOLF RIVER AT GERMANTOWN, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

MEAN	453.8	767.3	1559	1378	1352	1752	1528	1218	775.7	458.3	444.0	495.3
MAX	1223	1991	5200	3504	3256	4854	4805	4542	1986	985	1199	1753
(WY)	1997	1980	2002	1974	1991	1980	1991	1991	1974	1994	1998	2002
MIN	213	239	439	372	532	569	448	364	271	251	240	244
(WY)	1970	1972	1981	1981	1995	1986	1986	1992	1972	2001	1986	1986

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1970 - 2002	
ANNUAL TOTAL	432108		590252			
ANNUAL MEAN	1184		1617		1014	
HIGHEST ANNUAL MEAN					1807	1991
LOWEST ANNUAL MEAN					497	1986
HIGHEST DAILY MEAN	24400	Dec 1	24400	Dec 1	30400	Mar 14 1975
LOWEST DAILY MEAN	199	Jun 27	247	Oct 4	196	Sep 15 1972
ANNUAL SEVEN-DAY MINIMUM	212	Jun 21	277	Oct 1	199	Sep 12 1972
MAXIMUM PEAK FLOW			26100	Dec 1	33400	Mar 14 1975
MAXIMUM PEAK STAGE			25.52	Dec 1	27.98	Mar 14 1975
INSTANTANEOUS LOW FLOW			235	Oct 4	176	Jul 29 2000
ANNUAL RUNOFF (CFSM)	1.69		2.31		1.45	
ANNUAL RUNOFF (INCHES)	23.00		31.41		19.71	
10 PERCENT EXCEEDS	2440		4260		2180	
50 PERCENT EXCEEDS	359		600		525	
90 PERCENT EXCEEDS	229		319		278	



07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN

LOCATION.--Lat 35°10'09", long 89°51'58", Shelby County, Hydrologic Unit 08010210, on Sycamore View Road, 0.4 miles northwest of Interstate 40.

DRAINAGE AREA.--30.5 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1996 to current year.

REVISED RECORDS.--Revised maximum discharges and revised daily discharges in ft^3/s for the 1996-2001 water years are given in the tables below. These figures supersede those published in reports for 1996-2001.

GAGE.--Water-stage recorder. Datum of gage is 229.00 ft above NGVD of 1929 provided by Tennessee Department of Transportation.

REMARKS.--Records rated poor below 10 ft^3/s and fair above 10 ft^3/s. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR WATER YEARS 1996-2002.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
1996								
	Jun 9	0600	*16,400	*13.24	No other peak greater than base discharge.			

Minimum discharge, 0.00 ft^3/s, Aug. 24.

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
1997								
	Oct 28	0000	5,920	12.91	Mar 5	1100	6,690	13.76
	Nov 30	0845	4,970	11.85	Sep 23	2115	5,800	12.78
	Mar 2	0100	*9,820	*16.84	Sep 24	0645	4,560	11.38

Minimum discharge, 0.05 ft^3/s, Oct. 13.

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
1998								
	Mar 7	0930	*7,450	*14.55	Aug 8	2315	5,080	11.98

Minimum discharge, 0.04 ft^3/s, on several days.

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
1999								
	Mar 13	0730	4,590	11.41	May 5	2115	*7,990	*15.09
	Apr 26	1015	6,300	13.33				

Minimum discharge, 0.00 ft^3/s, on many days.

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
2000								
	Peak discharges greater than base discharge base of 4,500 ft^3/s and maximum (*)							
	Dec 12	1315	*3,640	*10.14				

Minimum discharge, 0.00 ft^3/s, on several days, gage height, 1.60 ft.

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
2001								
	Peak discharges greater than base discharge base of 4,500 ft^3/s and maximum (*)							
	May 31	1545	*4,110	*10.80				

Minimum discharge, 0.00 ft^3/s, on several days.

Water Year	Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
2002								
	Oct 11	1300	4,670	11.51	Mar 17	0445	8,280	15.38
	Nov 28	2215	*12,500	*18.98	Mar 17	1915	8,530	15.62
	Dec 2	0815	5,870	12.86	Sep 20	1430	6,610	13.67
	Dec 17	0515	8,530	15.62	Sep 26	2200	4,610	11.43
	Jan 24	0430	4,770	11.62				

Minimum discharge, 0.64 ft^3/s, Oct. 5.

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR APRIL 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e15	2.2	67	e0.13	34	1.4
2	---	---	---	---	---	---	e0.64	1.2	40	e0.50	16	33
3	---	---	---	---	---	---	e1.8	1.0	8.5	e0.30	11	3.6
4	---	---	---	---	---	---	e5.2	1.9	12	e0.74	11	11
5	---	---	---	---	---	---	e1.7	1.4	4.5	e1.4	4.4	12
6	---	---	---	---	---	---	e0.97	21	13	e0.45	2.4	0.95
7	---	---	---	---	---	---	e0.59	433	570	e0.23	1.5	0.36
8	---	---	---	---	---	---	e0.40	24	215	e9.9	1.9	0.32
9	---	---	---	---	---	---	e0.26	3.7	1920	e3.4	0.46	2.6
10	---	---	---	---	---	---	e0.19	2.0	52	e1.1	0.42	0.72
11	---	---	---	---	---	---	e0.22	206	17	e0.45	0.16	0.45
12	---	---	---	---	---	---	e1.0	14	4.4	e0.20	e1.0	0.35
13	---	---	---	---	---	---	e11	5.9	1.5	e0.50	e0.37	0.20
14	---	---	---	---	---	---	e3.6	e16	0.72	e11	e0.19	0.13
15	---	---	---	---	---	---	e2.0	e3.7	1.4	e3.1	e0.25	3.4
16	---	---	---	---	---	---	3.7	e6.9	1.7	e0.90	e0.70	60
17	---	---	---	---	---	---	4.6	e2.8	2.0	e0.35	e3.5	4.9
18	---	---	---	---	---	---	5.6	e1.2	28	e0.13	e1.0	0.51
19	---	---	---	---	---	---	23	e0.70	e5.1	e0.06	e0.60	0.32
20	---	---	---	---	---	---	80	e0.54	e1.1	e0.04	e0.35	0.73
21	---	---	---	---	---	---	14	e0.36	e0.79	e0.32	e0.20	61
22	---	---	---	---	---	---	46	e0.26	e0.45	e1.3	e0.15	2.3
23	---	---	---	---	---	---	79	e0.50	e0.62	e6.2	0.06	0.35
24	---	---	---	---	---	---	16	e0.37	e1.3	e3.0	0.02	0.19
25	---	---	---	---	---	---	10	e0.30	e3.5	e21	1.1	0.16
26	---	---	---	---	---	---	6.5	15	e2.2	e2.4	5.8	7.1
27	---	---	---	---	---	---	3.7	132	e1.2	e4.5	5.4	187
28	---	---	---	---	---	---	5.0	61	e0.54	e15	1.4	45
29	---	---	---	---	---	---	36	19	e0.27	e100	0.46	3.1
30	---	---	---	---	---	---	5.2	3.2	e0.18	183	0.51	0.74
31	---	---	---	---	---	---	---	2.6	---	439	0.97	---
TOTAL	---	---	---	---	---	---	382.87	983.73	2975.97	810.60	107.27	443.88
MEAN	---	---	---	---	---	---	12.76	31.73	99.20	26.15	3.460	14.80
MAX	---	---	---	---	---	---	80	433	1920	439	34	187
MIN	---	---	---	---	---	---	0.19	0.26	0.18	0.04	0.02	0.13
CFSM	---	---	---	---	---	---	0.42	1.04	3.25	0.86	0.11	0.49
IN.	---	---	---	---	---	---	0.47	1.20	3.63	0.99	0.13	0.54

e Estimated

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	e584	257	6.2	8.9	990	2.2	30	21	13	2.3	5.3
2	1.0	e15	34	4.9	5.8	e4500	1.8	7.1	24	11	1.7	3.0
3	1.7	e6.2	16	4.5	302	e313	2.4	13	6.4	9.5	1.8	2.0
4	2.3	e7.1	8.9	49	568	e152	108	4.5	3.3	14	3.0	0.94
5	2.1	e6.4	105	48	47	e3410	1200	2.9	3.1	7.9	13	0.38
6	1.7	e6.2	24	7.9	22	e275	33	3.6	3.3	5.6	4.3	0.17
7	0.86	192	11	4.6	105	e100	14	4.6	2.9	5.8	2.8	0.21
8	3.6	13	8.2	14	82	e17	8.0	1.8	4.8	34	28	564
9	1.6	5.8	7.0	34	16	21	5.3	3.5	5.3	16	30	29
10	0.17	4.0	6.9	11	9.5	41	3.7	3.2	117	22	17	5.6
11	0.10	2.9	6.7	e4.6	6.3	12	164	2.1	30	17	23	2.3
12	0.08	1.4	206	e28	6.1	7.3	77	2.1	7.8	6.4	17	0.95
13	0.07	9.9	97	e12	191	224	10	1.3	3.5	446	12	3.2
14	0.17	16	178	e12	38	140	5.4	1.5	3.1	46	15	0.87
15	0.08	13	301	e263	19	16	4.5	1.7	2.9	230	23	0.21
16	0.07	8.6	513	81	15	9.0	3.8	1.7	28	19	4.5	0.15
17	22	210	279	14	14	18	3.5	1.7	734	10	2.5	2.0
18	116	67	6.5	9.7	14	140	2.5	1.8	32	7.3	1.7	2.9
19	6.0	26	8.3	8.8	17	408	2.5	137	13	6.8	4.3	0.19
20	2.8	24	7.9	8.0	23	21	8.4	103	8.5	6.4	e462	0.13
21	166	38	6.9	7.8	494	11	2.6	13	5.1	2.8	e19	0.14
22	186	30	6.9	17	34	8.1	27	7.6	3.0	116	2.6	0.64
23	25	27	70	9.9	20	5.5	12	6.4	1.5	56	1.6	1170
24	7.9	32	8.6	160	16	4.0	3.7	64	1.2	4.0	0.79	1850
25	5.6	240	10	19	12	145	2.8	45	5.2	1.6	0.46	29
26	205	88	6.9	11	83	30	11	13	347	0.95	0.35	12
27	512	49	22	63	195	20	380	242	173	28	1.6	5.1
28	835	44	21	66	90	6.4	235	25	650	14	0.80	2.3
29	17	142	14	18	---	4.6	35	14	99	48	0.49	1.3
30	7.3	2830	9.3	12	---	3.1	12	14	22	10	0.59	0.96
31	20	---	7.5	11	---	2.5	---	525	---	3.8	31	---
TOTAL	2151.30	4738.5	2264.5	1019.9	2453.6	11054.5	2381.1	1297.1	2360.9	1218.85	728.18	3694.94
MEAN	69.40	157.9	73.05	32.90	87.63	356.6	79.37	41.84	78.70	39.32	23.49	123.2
MAX	835	2830	513	263	568	4500	1200	525	734	446	462	1850
MIN	0.07	1.4	6.5	4.5	5.8	2.5	1.8	1.3	1.2	0.95	0.35	0.13
CFSM	2.28	5.18	2.40	1.08	2.87	11.7	2.60	1.37	2.58	1.29	0.77	4.04
IN.	2.62	5.78	2.76	1.24	2.99	13.48	2.90	1.58	2.88	1.49	0.89	4.51

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	69.40	157.9	73.05	32.90	87.63	356.6	46.07	36.79	88.95	32.73	13.48	68.98
MAX	69.4	158	73.0	32.9	87.6	357	79.4	41.8	99.2	39.3	23.5	123
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1996	1997	1997	1997
MIN	69.4	158	73.0	32.9	87.6	357	12.8	31.7	78.7	26.1	3.46	14.8
(WY)	1997	1997	1997	1997	1997	1997	1996	1996	1997	1996	1996	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1996 - 1997	
ANNUAL TOTAL	14858.62		35363.37			
ANNUAL MEAN	54.03		96.89		74.94	
HIGHEST ANNUAL MEAN					96.9	1997
LOWEST ANNUAL MEAN					31.2	1996
HIGHEST DAILY MEAN	2830	Nov 30	4500	Mar 2	4500	Mar 2 1997
LOWEST DAILY MEAN	0.02	Aug 24	0.07	Oct 13	0.02	Aug 24 1996
ANNUAL SEVEN-DAY MINIMUM	0.11	Oct 10	0.11	Oct 10	0.11	Oct 10 1996
MAXIMUM PEAK FLOW			9820	Mar 2	9820	Mar 2 1997
MAXIMUM PEAK STAGE			16.84	Mar 2	16.84	Mar 2 1997
ANNUAL RUNOFF (CFSM)	1.77		3.18		2.46	
ANNUAL RUNOFF (INCHES)	18.12		43.13		33.38	
10 PERCENT EXCEEDS	109		205		153	
50 PERCENT EXCEEDS	4.4		11		6.9	
90 PERCENT EXCEEDS	0.26		1.6		0.45	

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.62	1.4	6.6	2.5	2.9	0.12	28	33	0.11	1.7	10	3.4
2	0.48	0.53	3.7	2.4	2.6	0.12	5.2	13	0.09	1.8	3.0	3.1
3	0.43	0.37	10	2.4	3.2	0.12	126	9.0	0.04	1.1	0.86	0.37
4	0.22	0.27	2.5	2.7	3.8	3.1	13	3.7	0.04	1.1	0.28	0.11
5	0.44	0.37	0.68	83	3.7	119	3.9	2.0	172	3.9	0.16	0.08
6	0.21	4.8	0.36	23	2.7	225	2.0	200	16	2.2	0.34	0.10
7	0.10	1.1	0.29	475	2.6	2470	2.2	87	0.73	1.5	274	0.27
8	0.16	0.83	9.2	157	3.9	48	268	8.4	0.34	7.6	862	0.56
9	3.0	0.55	4.1	47	4.4	5.8	24	2.2	7.9	69	448	0.17
10	3.0	1.8	3.9	13	230	0.12	6.3	5.9	7.5	7.7	25	0.58
11	0.83	2.0	1.8	11	281	0.07	3.3	1.6	1.8	97	728	0.29
12	0.51	8.6	0.64	13	5.1	0.12	3.3	2.2	16	43	75	0.51
13	67	143	0.60	6.9	0.80	0.09	1.6	0.43	3.4	9.4	22	0.60
14	14	8.4	0.43	6.3	0.31	0.14	5.1	0.28	0.83	22	6.4	0.74
15	2.3	2.9	0.31	543	1.2	0.99	1.9	0.59	0.26	32	1.9	0.18
16	0.75	2.6	0.29	250	544	2.3	7.6	0.30	0.12	16	0.79	0.08
17	0.37	2.6	0.29	115	338	20	2.4	0.14	0.71	2.6	0.15	0.08
18	0.25	0.77	0.29	173	19	3.5	62	0.39	1.0	0.89	0.07	0.07
19	0.27	0.36	0.33	61	5.5	344	22	0.33	37	11	0.08	0.06
20	0.24	0.37	0.36	16	3.2	26	1.8	0.49	5.0	19	0.08	134
21	2.4	0.76	68	10	1.7	4.8	91	1.3	0.96	3.2	0.06	77
22	2.1	1.7	5.1	66	1.7	2.8	12	1.6	0.45	2.6	0.08	27
23	0.62	0.79	1.7	27	1.8	2.9	2.8	1.2	0.36	41	0.08	27
24	61	0.60	455	13	0.57	7.2	0.43	0.65	0.42	224	0.05	3.5
25	83	0.45	13	8.1	0.41	4.7	0.06	1.3	0.45	378	0.08	11
26	174	0.36	19	7.3	67	5.0	0.05	296	0.69	39	0.04	3.1
27	2.4	0.33	20	17	10	5.0	396	18	1.6	23	0.08	0.31
28	0.93	0.25	5.8	6.2	0.34	4.8	520	2.1	0.81	99	0.19	9.2
29	0.59	0.18	13	4.3	---	3.7	280	19	0.28	480	0.24	14
30	0.55	0.54	8.0	4.0	---	3.6	911	6.8	0.26	40	0.39	14
31	1.8	---	3.5	3.8	---	103	---	0.57	---	72	1.2	---
TOTAL	424.57	189.58	658.77	2169.9	1541.43	3416.09	2802.94	719.47	277.15	1752.29	2460.60	331.46
MEAN	13.70	6.319	21.25	70.00	55.05	110.2	93.43	23.21	9.238	56.53	79.37	11.05
MAX	174	143	455	543	544	2470	911	296	172	480	862	134
MIN	0.10	0.18	0.29	2.4	0.31	0.07	0.05	0.14	0.04	0.89	0.04	0.06
CFSM	0.45	0.21	0.70	2.29	1.80	3.61	3.06	0.76	0.30	1.85	2.60	0.36
IN.	0.52	0.23	0.80	2.65	1.88	4.17	3.42	0.88	0.34	2.14	3.00	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	41.55	82.13	47.15	51.45	71.34	233.4	61.85	32.26	62.38	40.66	35.44	49.67
MAX	69.4	158	73.0	70.0	87.6	357	93.4	41.8	99.2	56.5	79.4	123
(WY)	1997	1997	1997	1998	1997	1997	1998	1997	1996	1998	1998	1997
MIN	13.7	6.32	21.3	32.9	55.1	110	12.8	23.2	9.24	26.1	3.46	11.0
(WY)	1998	1998	1998	1997	1998	1998	1996	1998	1998	1996	1996	1998

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1995 - 1998	
ANNUAL TOTAL	27481.99		16744.25			
ANNUAL MEAN	75.29		45.87		63.32	
HIGHEST ANNUAL MEAN					96.9	1997
LOWEST ANNUAL MEAN					31.2	1996
HIGHEST DAILY MEAN	4500	Mar 2	2470	Mar 7	4500	Mar 2 1997
LOWEST DAILY MEAN	0.10	Oct 7	0.04	Jun 3	0.02	Aug 24 1996
ANNUAL SEVEN-DAY MINIMUM	0.29	Oct 2	0.07	Aug 20	0.07	Aug 20 1998
MAXIMUM PEAK FLOW			7450	Mar 7	9820	Mar 2 1997
MAXIMUM PEAK STAGE			14.55	Mar 7	16.84	Mar 2 1997
ANNUAL RUNOFF (CFSM)	2.47		1.50		2.08	
ANNUAL RUNOFF (INCHES)	33.52		20.42		28.21	
10 PERCENT EXCEEDS	140		98		133	
50 PERCENT EXCEEDS	6.4		2.6		4.8	
90 PERCENT EXCEEDS	0.44		0.16		0.28	

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	10	7.2	e4.0	2.4	33	0.25	0.86	2.4	7.7	6.7
2	50	17	2.5	497	e1.7	174	5.1	0.10	0.05	1.2	4.0	8.7
3	195	23	0.44	43	e5.8	64	392	0.06	0.04	3.8	7.0	8.6
4	11	16	13	7.4	e1.7	6.1	615	4.1	0.38	0.25	6.4	12
5	92	12	43	2.5	e1.4	42	37	1650	0.03	0.20	7.2	5.8
6	189	7.9	2.7	2.0	1.4	234	40	340	0.03	9.5	7.7	6.1
7	437	6.1	243	2.2	90	14	8.8	12	3.8	2.4	9.5	6.2
8	12	22	220	159	9.2	e19	4.7	4.4	3.5	4.9	49	9.0
9	2.5	7.7	16	111	3.2	55	3.2	0.23	0.38	15	16	8.0
10	0.33	106	269	11	1.8	7.1	1.3	0.10	0.10	144	4.3	12
11	0.14	8.3	59	4.8	26	39	0.58	0.06	0.12	671	4.6	5.3
12	0.14	0.78	195	2.8	78	8.2	0.19	0.05	0.10	25	3.0	7.6
13	0.09	0.11	35	e1.6	5.1	1360	0.11	0.31	7.2	2.6	2.7	18
14	1.2	0.32	7.2	e1.7	1.7	425	73	0.51	9.6	0.25	2.8	15
15	2.7	1.3	2.7	e1.7	0.72	54	74	0.04	0.13	3.2	5.1	12
16	2.5	0.24	1.5	e1.7	0.74	16	5.3	0.03	0.05	64	1.3	12
17	4.3	0.04	1.3	e50	11	7.6	0.59	0.13	0.04	17	5.2	17
18	22	0.03	3.0	e23	1.9	6.8	0.11	8.8	0.06	1.4	10	12
19	34	0.03	39	e6.1	1.2	6.5	0.12	0.03	0.03	8.5	9.0	9.8
20	5.9	67	5.5	e6.1	0.64	96	0.39	0.01	0.02	11	7.1	19
21	1.1	4.7	1.3	e5.1	2.3	32	0.08	2.3	0.11	0.33	9.5	19
22	0.54	0.61	26	e418	e1.6	5.1	0.04	62	3.7	2.3	4.2	19
23	1.9	0.45	4.6	e10	e0.25	3.5	0.04	0.11	6.0	2.2	9.9	14
24	1.2	0.23	e7.6	e70	0.09	13	95	0.01	1.9	0.60	62	16
25	0.77	0.21	8.1	e80	2.2	3.9	32	0.03	1.2	1.7	11	9.0
26	6.2	0.19	5.9	e3.0	1.1	1.5	1470	0.02	355	6.7	6.6	9.3
27	8.9	0.11	3.0	e1.7	87	0.52	989	0.04	87	4.3	4.2	18
28	0.51	0.08	62	e1.7	36	0.22	36	0.04	2.1	1.0	6.6	15
29	7.9	0.16	8.0	e55	---	107	6.7	0.02	1.0	2.4	6.0	57
30	6.7	8.1	2.9	e5.0	---	9.8	2.3	0.01	0.06	0.96	6.3	8.4
31	3.7	---	1.1	e20	---	212	---	0.16	---	4.4	8.1	---
TOTAL	1119.22	330.69	1299.34	1611.3	377.74	3025.24	3925.65	2085.95	484.59	1014.49	304.0	395.5
MEAN	36.10	11.02	41.91	51.98	13.49	97.59	130.9	67.29	16.15	32.73	9.806	13.18
MAX	437	106	269	497	90	1360	1470	1650	355	671	62	57
MIN	0.09	0.03	0.44	1.6	0.09	0.22	0.04	0.01	0.02	0.20	1.3	5.3
CFSM	1.18	0.36	1.37	1.70	0.44	3.20	4.29	2.21	0.53	1.07	0.32	0.43
IN.	1.37	0.40	1.58	1.97	0.46	3.69	4.79	2.54	0.59	1.24	0.37	0.48

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	39.73	58.43	45.40	51.62	52.06	188.1	79.10	41.02	50.82	38.68	29.03	40.55
MAX	69.4	158	73.0	70.0	87.6	357	131	67.3	99.2	56.5	79.4	123
(WY)	1997	1997	1997	1998	1997	1997	1999	1999	1996	1998	1998	1997
MIN	13.7	6.32	21.3	32.9	13.5	97.6	12.8	23.2	9.24	26.1	3.46	11.0
(WY)	1998	1998	1998	1997	1999	1999	1996	1998	1998	1996	1996	1998

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1996 - 1999	
ANNUAL TOTAL	18220.58		15973.71			
ANNUAL MEAN	49.92		43.76		57.74	
HIGHEST ANNUAL MEAN					96.9	1997
LOWEST ANNUAL MEAN					31.2	1996
HIGHEST DAILY MEAN	2470	Mar 7	1650	May 5	4500	Mar 2 1997
LOWEST DAILY MEAN	0.03	Nov 18	0.00	May 20	0.00	May 20 1999
ANNUAL SEVEN-DAY MINIMUM	0.07	Aug 20	0.02	May 24	0.02	May 24 1999
MAXIMUM PEAK FLOW			7990	May 5	9820	Mar 2 1997
MAXIMUM PEAK STAGE			15.09	May 5	16.84	Mar 2 1997
INSTANTANEOUS LOW FLOW			a0.00		a0.00	
ANNUAL RUNOFF (CFSM)	1.64		1.43		1.89	
ANNUAL RUNOFF (INCHES)	22.22		19.48		25.72	
10 PERCENT EXCEEDS	122		73		105	
50 PERCENT EXCEEDS	3.6		5.1		5.0	
90 PERCENT EXCEEDS	0.12		0.10		0.21	

a Many days.

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	60	2.8	0.17	0.32	1.6	75	1.0	0.17	0.78	99	0.01
2	13	60	1.9	0.22	0.13	0.33	230	9.5	0.09	0.29	9.3	0.02
3	13	5.1	24	1.3	0.08	0.53	567	114	0.13	0.16	2.5	0.07
4	9.5	1.3	98	3.0	0.06	0.89	92	94	2.5	0.28	413	0.27
5	15	1.2	191	0.35	0.06	0.23	16	137	12	0.26	32	1.4
6	9.7	1.7	12	0.16	0.11	0.12	6.6	60	3.6	0.23	6.4	0.19
7	2.6	1.6	3.4	0.21	0.08	0.19	7.4	12	0.84	0.23	2.0	0.11
8	43	1.1	2.0	0.38	0.07	0.22	54	4.2	0.20	0.21	0.80	5.5
9	168	0.51	66	0.93	0.09	15	4.5	72	0.17	0.36	0.29	5.9
10	89	0.36	80	0.81	0.14	2.7	1.5	65	0.25	0.32	5.7	12
11	4.9	0.19	7.3	0.34	0.30	7.5	253	5.0	0.70	0.25	22	5.3
12	1.7	0.13	1180	0.13	19	1.6	68	1.3	0.55	0.27	3.6	31
13	1.3	0.38	402	0.53	27	0.18	11	343	0.22	0.43	1.0	5.0
14	1.3	1.3	76	0.95	50	0.07	5.8	12	0.16	0.95	0.80	0.55
15	1.5	1.8	9.7	0.55	3.3	5.7	5.5	3.2	158	0.98	0.29	0.78
16	2.3	1.8	3.1	0.27	0.76	452	2.3	1.6	53	0.89	0.12	0.60
17	3.5	1.9	1.9	1.8	174	22	1.6	0.65	38	4.8	0.19	0.37
18	3.0	2.1	1.3	1.6	119	7.7	1.2	0.33	24	3.8	0.42	0.28
19	16	93	0.89	0.40	28	577	0.40	0.54	36	0.63	2.8	e0.10
20	6.2	130	1.0	0.19	4.5	111	0.85	0.74	24	55	1.3	e0.05
21	1.4	9.3	0.95	0.11	2.1	20	0.34	1.0	11	9.5	0.99	e0.02
22	0.63	7.0	0.38	107	0.24	9.7	0.15	0.81	5.2	1.5	0.25	0.01
23	0.47	8.6	0.23	16	3.2	5.0	5.0	0.28	0.78	0.37	0.20	8.7
24	0.73	11	0.27	2.5	32	3.3	148	0.28	0.24	0.09	0.18	53
25	1.5	10	0.20	0.60	2.5	2.9	11	0.14	0.39	0.02	0.14	25
26	1.1	15	0.10	0.37	1230	3.5	3.3	0.16	129	0.02	0.72	6.6
27	1.4	9.1	0.10	0.24	159	1.2	1.6	14	182	0.02	1.9	0.44
28	3.7	6.7	0.12	6.8	17	0.70	3.9	15	12	0.02	1.5	0.05
29	7.5	7.3	0.09	19	5.4	0.92	1.6	1.8	18	337	0.22	0.07
30	13	4.0	0.06	8.9	---	15	0.88	0.58	3.2	183	0.04	0.03
31	14	---	0.08	1.2	---	4.7	---	0.29	---	7.5	0.02	---
TOTAL	456.93	453.47	2166.87	177.01	1878.44	1273.48	1579.42	971.40	716.39	610.16	609.67	163.42
MEAN	14.74	15.12	69.90	5.710	64.77	41.08	52.65	31.34	23.88	19.68	19.67	5.447
MAX	168	130	1180	107	1230	577	567	343	182	337	413	53
MIN	0.47	0.13	0.06	0.11	0.06	0.07	0.15	0.14	0.09	0.02	0.02	0.01
CFSM	0.48	0.50	2.29	0.19	2.12	1.35	1.73	1.03	0.78	0.65	0.64	0.18
IN.	0.56	0.55	2.64	0.22	2.29	1.55	1.93	1.18	0.87	0.74	0.74	0.20

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	33.48	47.60	51.53	40.15	55.32	151.4	73.81	39.08	45.43	34.88	27.16	33.53
MAX	69.4	158	73.0	70.0	87.6	357	131	67.3	99.2	56.5	79.4	123
(WY)	1997	1997	1997	1998	1997	1997	1999	1999	1996	1998	1998	1997
MIN	13.7	6.32	21.3	5.71	13.5	41.1	12.8	23.2	9.24	19.7	3.46	5.45
(WY)	1998	1998	1998	2000	1999	2000	1996	1998	1998	2000	1996	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	16301.73		11056.66			
ANNUAL MEAN	44.66		30.21		51.61	
HIGHEST ANNUAL MEAN					96.9	1997
LOWEST ANNUAL MEAN					30.2	2000
HIGHEST DAILY MEAN	1650	May 5	1230	Feb 26	4500	Mar 2 1997
LOWEST DAILY MEAN	0.00	May 20	0.00	Sep 1	0.00	May 20 1999
ANNUAL SEVEN-DAY MINIMUM	0.02	May 24	0.08	Feb 3	0.02	May 24 1999
MAXIMUM PEAK FLOW			3640	Dec 12	9820	Mar 2 1997
MAXIMUM PEAK STAGE			10.14	Dec 12	16.84	Mar 2 1997
INSTANTANEOUS LOW FLOW			a0.00		s0.00	
ANNUAL RUNOFF (CFSM)	1.46		0.99		1.69	
ANNUAL RUNOFF (INCHES)	19.88		13.49		22.99	
10 PERCENT EXCEEDS	75		69		96	
50 PERCENT EXCEEDS	4.8		1.6		4.0	
90 PERCENT EXCEEDS	0.10		0.13		0.18	

a Many days most years.

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.10	1.2	0.35	1.9	2.8	35	0.60	76	1.6	5.1	287
2	0.0	0.10	0.80	0.37	1.0	1.9	4.7	0.39	12	0.94	3.2	28
3	0.0	0.13	0.64	0.44	0.73	9.7	7.4	0.30	456	0.81	2.3	7.3
4	0.0	31	0.69	0.44	0.61	257	4.4	0.33	43	0.58	41	4.5
5	0.0	8.7	0.63	0.46	0.50	22	2.7	0.49	11	3.0	4.5	3.5
6	110	220	0.36	0.69	0.47	5.7	1.8	0.37	440	4.6	2.3	227
7	3.1	23	0.33	0.67	0.42	3.2	1.4	34	85	1.6	56	50
8	0.64	175	0.50	0.50	0.44	2.2	1.0	9.8	15	1.0	17	29
9	0.20	49	0.60	0.35	46	1.5	0.99	1.9	5.3	0.88	17	6.4
10	0.09	3.6	0.54	0.22	17	1.3	0.76	1.2	2.8	9.5	21	3.0
11	0.09	0.83	0.32	47	2.5	1.0	6.1	10	1.8	5.1	26	1.8
12	0.09	0.41	0.22	16	31	167	457	19	1.3	1.6	121	0.88
13	0.10	8.4	193	2.4	641	13	655	1.7	1.5	0.90	37	1.0
14	0.10	1.7	33	37	562	3.6	23	0.78	2.6	0.72	6.2	1.2
15	0.10	0.50	118	4.8	556	166	69	0.54	2.9	0.60	3.2	1.2
16	0.10	116	424	1.4	1930	49	10	0.56	2.9	0.55	2.3	0.98
17	0.10	7.3	36	41	e68.0	6.2	3.5	0.81	1.2	195	1.6	0.77
18	0.10	1.7	5.2	349	e13.0	2.9	2.2	0.30	0.68	17	1.6	0.71
19	0.17	0.85	2.8	253	e4.0	1.9	1.5	0.29	0.45	93	1.2	580
20	0.21	0.50	1.4	21	e3.0	1.5	1.1	126	0.36	18	1.1	14
21	0.10	0.24	1.2	5.0	e2.0	1.4	0.84	1000	0.33	73	1.1	7.2
22	0.10	0.11	1.3	2.4	31	1.4	0.84	171	0.34	44	0.65	5.3
23	0.10	0.19	0.73	1.6	4.0	1.0	102	8.8	0.54	5.6	0.47	21
24	0.10	1010	0.75	1.1	254	0.86	30	3.8	0.51	2.8	2.5	25
25	0.10	125	0.57	0.67	339	0.64	2.1	2.0	0.37	2.1	3.7	3.1
26	0.10	8.0	1.6	0.61	17	1.3	1.0	1.2	0.33	1.8	1.1	2.1
27	0.10	2.8	9.1	0.97	5.7	0.73	0.76	0.78	0.46	1.1	0.59	1.7
28	0.10	1.5	2.3	0.54	3.9	0.89	0.65	60	59	0.79	0.36	1.6
29	0.10	1.8	0.99	265	---	34	0.31	9.2	72	0.83	0.18	1.4
30	0.10	1.2	0.56	37	---	112	0.29	34	3.9	155	0.15	1.1
31	0.10	---	0.42	4.6	---	54	---	1280	---	51	10	---
TOTAL	116.29	1799.66	839.75	1096.58	4536.17	927.62	1427.34	2780.14	1299.57	695.00	391.40	1317.74
MEAN	3.751	59.99	27.09	35.37	162.0	29.92	47.58	89.68	43.32	22.42	12.63	43.92
MAX	110	1010	424	349	1930	257	655	1280	456	195	121	580
MIN	0.00	0.10	0.22	0.22	0.42	0.64	0.29	0.29	0.33	0.55	0.15	0.71
CFSM	0.12	1.97	0.89	1.16	5.31	0.98	1.56	2.94	1.42	0.74	0.41	1.44
IN.	0.14	2.19	1.02	1.34	5.53	1.13	1.74	3.39	1.59	0.85	0.48	1.61

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.54	50.08	46.64	39.19	76.51	127.1	69.44	47.52	45.08	32.80	24.74	35.26
MAX	69.4	158	73.0	70.0	162	357	131	89.7	99.2	56.5	79.4	123
(WY)	1997	1997	1997	1998	2001	1997	1999	2001	1996	1998	1998	1997
MIN	3.75	6.32	21.3	5.71	13.5	29.9	12.8	23.2	9.24	19.7	3.46	5.45
(WY)	2001	1998	1998	2000	1999	2001	1996	1998	1998	2000	1996	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	10735.09		17227.26			
ANNUAL MEAN	29.33		47.20		50.81	
HIGHEST ANNUAL MEAN					96.9	1997
LOWEST ANNUAL MEAN					30.2	2000
HIGHEST DAILY MEAN	1230	Feb 26	1930	Feb 16	4500	Mar 2 1997
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Oct 1	0.00	Oct 1 2000
ANNUAL SEVEN-DAY MINIMUM	0.01	Sep 29	0.10	Oct 10	0.01	Sep 29 2000
MAXIMUM PEAK FLOW			4110	May 31	6820	Mar 2 1997
MAXIMUM PEAK STAGE			10.80	May 31	16.84	Mar 2 1997
INSTANTANEOUS LOW FLOW			a0.00		a0.00	
ANNUAL RUNOFF (CFSM)	0.96		1.55		1.67	
ANNUAL RUNOFF (INCHES)	13.09		21.01		22.63	
10 PERCENT EXCEEDS	66		105		97	
50 PERCENT EXCEEDS	0.93		1.8		3.5	
90 PERCENT EXCEEDS	0.10		0.22		0.19	

a Many days most years.

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.98	1.6	e60	3.5	106	2.1	21	20	3.8	8.8	6.0	2.0
2	0.87	1.5	e20	3.5	10	3.9	8.6	5.8	3.2	129	4.7	1.8
3	0.79	1.5	e15	3.5	7.5	5.2	6.5	176	3.2	178	5.7	1.4
4	0.72	1.4	e8.0	3.5	6.7	2.7	4.7	66	4.3	8.4	6.7	1.2
5	77	1.3	e7.0	3.8	4.8	2.4	4.1	7.2	4.8	5.7	7.2	0.95
6	18	1.2	e6.0	106	26	2.2	3.7	4.5	8.2	4.7	51	0.82
7	3.3	1.2	e55	11	64	2.9	3.6	3.5	5.9	4.4	19	2.0
8	2.2	1.2	e170	6.6	15	4.8	17	3.2	4.9	4.5	4.5	1.9
9	1.4	1.3	e28	5.3	6.3	32	9.2	8.6	5.1	22	7.0	1.5
10	30	1.5	e14	4.9	4.4	4.1	4.3	29	59	7.4	7.9	1.2
11	2070	1.5	e10	5.6	3.2	322	3.8	6.1	20	4.3	3.5	0.95
12	79	1.5	2490	4.5	2.6	963	3.5	3.1	6.7	7.4	3.2	1.0
13	696	2.3	2030	4.0	2.6	16	3.2	91	411	7.3	4.0	0.99
14	298	2.6	1580	4.3	3.0	7.6	3.0	8.2	28	40	65	0.87
15	8.0	2.3	391	3.6	2.7	5.6	3.0	4.3	7.4	12	45	0.90
16	3.7	2.1	1360	3.4	5.0	106	3.1	3.4	5.5	6.6	532	1.8
17	3.2	1.9	2510	8.4	2.9	5040	3.0	153	5.8	6.1	17	7.2
18	2.0	1.7	e200	21	2.5	e300	2.7	11	6.0	7.3	7.5	1.2
19	1.4	12	e40	167	152	e130	2.7	4.5	5.6	85	6.9	531
20	1.1	3.6	e16	10	123	882	2.7	3.4	5.3	87	89	2140
21	1.3	1.6	e10	7.1	6.6	69	2.9	3.1	5.6	48	17	44
22	1.3	1.2	358	9.1	4.6	18	28	3.4	5.3	6.6	8.8	8.7
23	1.3	0.95	590	19	3.7	14	3.6	6.8	4.6	4.2	8.3	5.4
24	22	258	11	1340	3.2	13	2.8	7.2	4.9	6.7	70	4.0
25	9.8	5.1	8.1	27	3.1	11	2.7	75	5.4	3.7	46	3.9
26	2.0	126	6.5	15	3.5	89	2.7	24	13	3.1	7.0	1440
27	1.2	543	5.9	73	3.2	17	2.8	4.6	216	3.2	4.7	678
28	0.93	3370	5.0	9.3	2.2	13	2.8	183	45	3.4	5.0	e130
29	0.82	5950	4.4	7.7	---	41	2.7	61	9.3	2.9	3.1	e15
30	1.3	e400	3.9	7.5	---	352	549	12	9.7	3.1	2.2	e2.5
31	1.5	---	3.6	174	---	638	---	5.0	---	47	2.4	---
TOTAL	3341.11	10701.05	12016.4	2072.1	580.3	9109.5	713.4	996.9	922.5	767.8	1067.3	5032.18
MEAN	107.8	356.7	387.6	66.84	20.73	293.9	23.78	32.16	30.75	24.77	34.43	167.7
MAX	2070	5950	2510	1340	152	5040	549	183	411	178	532	2140
MIN	0.72	0.95	3.6	3.4	2.2	2.1	2.7	3.1	3.2	2.9	2.2	0.82
CFSM	3.53	11.7	12.7	2.19	0.68	9.63	0.78	1.05	1.01	0.81	1.13	5.50
IN.	4.08	13.05	14.66	2.53	0.71	11.11	0.87	1.22	1.13	0.94	1.30	6.14

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	40.91	101.2	103.5	43.80	67.26	154.9	62.92	45.32	43.03	31.66	26.12	54.19
MAX	108	357	388	70.0	162	357	131	89.7	99.2	56.5	79.4	168
(WY)	2002	2002	2002	1998	2001	1997	1999	2001	1996	1998	1998	2002
MIN	3.75	6.32	21.3	5.71	13.5	29.9	12.8	23.2	9.24	19.7	3.46	5.45
(WY)	2001	1998	1998	2000	1999	2001	1996	1998	1998	2000	1996	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	40530.12		47320.54			
ANNUAL MEAN	111.0		129.6		62.93	
HIGHEST ANNUAL MEAN					130	2002
LOWEST ANNUAL MEAN					30.2	2000
HIGHEST DAILY MEAN	5950	Nov 29	5950	Nov 29	5950	Nov 29 2001
LOWEST DAILY MEAN	0.15	Aug 30	0.72	Oct 4	0.00	Oct 1 2000
ANNUAL SEVEN-DAY MINIMUM	0.39	Apr 29	1.1	Sep 9	0.01	Sep 29 2000
MAXIMUM PEAK FLOW			12500	Nov 28	12500	Nov 28 2001
MAXIMUM PEAK STAGE			18.99	Nov 28	18.99	Nov 28 2001
INSTANTANEOUS LOW FLOW			0.64	Oct 5	a0.00	
ANNUAL RUNOFF (CFSM)	3.64		4.25		2.06	
ANNUAL RUNOFF (INCHES)	49.43		57.72		28.03	
10 PERCENT EXCEEDS	197		175		106	
50 PERCENT EXCEEDS	2.9		5.8		4.0	
90 PERCENT EXCEEDS	0.55		1.5		0.23	

a Many days most years.

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV													
13...	1800	114	6.9	11.0	763	8.9	81	55	45	5.5	4.36	--	<.008
DEC													
05...	1230	197	7.5	11.0	758	7.6	69	78	64	24.1	6.19	--	E.007
JAN													
09...	0730	103	--	3.5	760	11.2	85	32	26	9.1	3.85	.74	.014
FEB													
04...	1700	118	--	8.5	767	11.0	93	51	42	8.7	3.41	.52	.010
MAR													
12...	1015	52	7.4	7.5	759	10.6	89	19	16	3.7	1.68	.51	.008
APR													
24...	1500	180	7.4	22.5	764	3.0	35	74	61	10.8	9.44	.20	.053
MAY													
08...	1430	119	7.1	23.5	758	6.9	82	50	41	6.4	3.57	.66	.062
JUN													
11...	1530	108	6.5	26.5	763	3.1	39	42	34	5.7	4.73	.55	.050
JUL													
15...	1730	95	6.4	27.5	763	4.0	51	43	35	5.2	3.00	.42	.031
AUG													
08...	0730	112	6.5	26.5	769	1.3	16	40	32	7.7	3.71	.65	.063

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)
NOV													
13...	<.05	<.04	.52	--	.114	.03	<.002	<.004	<.051	<.005	<.002	<.005	<.018
DEC													
05...	.30	.11	.80	1.1	.20	.03	<.002	<.004	.077	<.005	<.002	<.005	<.018
JAN													
09...	.76	.13	1.0	1.8	.38	.21	<.004	<.006	.233	<.005	<.002	.009	<.018
FEB													
04...	.53	E.02	1.0	1.5	.28	.08	<.004	<.006	2.94	<.005	<.002	<.005	<.018
MAR													
12...	.52	.08	1.5	2.0	.41	.16	<.004	<.006	4.24	<.005	<.002	<.005	<.018
APR													
24...	.26	.21	1.4	1.6	.185	.08	<.004	<.010	1.37	<.005	<.002	.017	<.018
MAY													
08...	.72	.05	1.0	1.7	.26	.10	<.004	<.006	.558	<.005	<.002	<.005	<.018
JUN													
11...	.60	.23	1.8	2.4	.34	.13	<.004	<.006	.158	<.005	<.002	<.005	<.018
JUL													
15...	.45	.09	1.0	1.5	.24	.10	<.004	<.006	.158	<.005	<.002	<.005	<.018
AUG													
08...	.71	.40	1.5	2.2	.26	.10	<.004	<.006	.060	<.005	<.002	.007	<.018

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	MALATHION, DISSOLVED (UG/L) (39532)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROMETON, WATER, DISS, REC (UG/L) (04037)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)
NOV													
13...	E.009	.051	<.005	<.003	<.004	.054	<.006	E.012	<.003	<.007	<.010	.02	6.17
DEC													
05...	E.022	.033	<.005	<.003	<.004	<.027	<.006	E.010	<.003	<.007	<.010	E.01	12.4
JAN													
09...	<.006	.024	<.005	<.003	<.004	<.027	<.006	E.005	<.003	<.010	<.010	<.01	3.80
FEB													
04...	E.089	.008	<.005	<.003	<.004	<.027	<.006	.016	<.003	<.010	<.010	E.01	4.17
MAR													
12...	E.148	<.005	<.005	<.003	<.004	<.027	<.006	E.010	<.003	<.010	<.010	.03	8.91
APR													
24...	E.062	.481	<.005	<.003	<.004	.359	<.006	.079	<.003	<.010	<.010	.82	2.91
MAY													
08...	E.125	.126	<.005	<.003	.005	E.008	<.006	.035	<.003	<.010	<.010	.04	2.12
JUN													
11...	E.029	.238	<.005	<.003	<.004	.055	.056	.366	<.003	<.010	<.010	.04	.738
JUL													
15...	E.025	<.005	<.005	<.003	<.004	.031	.023	.028	<.003	<.010	<.010	.06	.234
AUG													
08...	E.007	.077	<.005	<.003	<.004	1.75	.039	.026	<.003	<.010	<.010	.06	.156

Date	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
NOV													
13...	<.010	<.041	<.020	<.003	<.002	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002
DEC													
05...	<.010	<.041	<.020	<.003	<.002	<.02	<.009	<.005	<.045	<.035	<.050	<.006	<.002
JAN													
09...	<.010	E.013	<.020	<.003	<.006	<.02	<.009	<.005	<.013	<.035	<.050	<.006	<.002
FEB													
04...	<.010	<.041	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002
MAR													
12...	<.010	E.062	<.020	<.003	<.006	<.02	<.009	<.005	.057	<.035	<.050	<.006	<.002
APR													
24...	<.010	E.109	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002
MAY													
08...	<.010	E.060	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002
JUN													
11...	<.010	E.144	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002
JUL													
15...	<.010	E.085	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002
AUG													
08...	<.010	E.088	<.020	<.003	<.006	<.02	<.009	<.005	<.002	<.035	<.050	<.006	<.002

07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
NOV													
13...	<.007	<.002	<.010	<.006	<.011	<.022	<.011	<.02	E.01	<.034	<.02	<.002	<.009
DEC													
05...	<.007	<.002	<.010	<.006	<.011	.487	<.011	<.02	E.01	<.034	<.02	<.002	E.001
JAN													
09...	<.007	--	<.022	<.006	<.011	.310	<.011	<.02	<.02	<.034	<.02	<.002	<.009
FEB													
04...	<.007	<.004	<.022	<.006	<.011	.175	<.011	<.02	M	<.034	<.02	<.002	<.009
MAR													
12...	<.007	<.004	<.022	<.006	<.011	.032	<.011	<.02	.05	<.034	<.02	<.002	<.009
APR													
24...	<.007	<.004	.360	<.006	<.011	.040	<.011	<.02	.02	<.034	<.02	<.002	<.009
MAY													
08...	<.007	<.004	<.022	<.006	<.011	.036	<.011	<.02	E.06	<.034	<.02	<.002	<.009
JUN													
11...	<.007	<.004	<.022	<.006	<.011	<.004	.019	<.02	<.02	<.034	<.02	<.002	E.003
JUL													
15...	<.007	<.004	<.022	<.006	<.011	<.004	<.011	<.02	<.02	<.034	<.02	<.002	<.009
AUG													
08...	<.007	<.004	<.022	<.006	<.011	<.004	<.011	<.02	.06	<.034	<.02	<.002	<.009

Date	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
NOV	
13...	<.005
DEC	
05...	<.005
JAN	
09...	<.005
FEB	
04...	<.005
MAR	
12...	.006
APR	
24...	<.005
MAY	
08...	<.005
JUN	
11...	<.005
JUL	
15...	<.005
AUG	
08...	<.005

THIS PAGE IS INTENTIONALLY BLANK

07031740 WOLF RIVER AT HOLLYWOOD STREET AT MEMPHIS, TN

LOCATION.--Lat 35°11'16", long 89°58'32", Shelby County, Hydrologic Unit 08010210, at bridge on Hollywood Street, 0.2 mi south of Interstate 240, 6.1 mi upstream of Mississippi River, and at mile 5.2.

DRAINAGE AREA.--788 mi^2.

PERIOD OF RECORD.--October 2000 to current year. October 1985 to May 1989, continuous stage only, February 1995 to September 2000, unpublished stage and discharge.

GAGE.--Water-stage recorder. Datum of gage is 191.2 ft above NGVD of 1929 from reference mark provided by the City of Memphis.

REMARKS.--Records poor. During medium to high stages on the Mississippi River the stages are affected by backwater. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,600 ft^3/s, Dec. 1, gage height, 35.44 ft; minimum daily discharge, under conditions of no backwater, 249 ft^3/s, Oct. 4, minimum daily discharge 190 ft^3/s, backwater from Mississippi River, May 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	264	316	e27000	626	e2500	820	e6300	e1400	e270	e360	623	548
2	259	311	e22000	557	1400	798	e6300	e1100	e270	e500	503	512
3	254	310	e10500	504	1250	773	e5500	e1700	e260	e1380	398	492
4	249	301	e7500	469	1220	728	e4200	e2500	e250	e650	361	480
5	344	299	e3900	442	1200	683	e2700	e2400	e230	e400	351	465
6	558	295	e2800	1010	1210	655	e2800	e2100	e230	e350	513	453
7	289	295	e2350	814	1380	638	e1200	e1850	e220	e340	1200	446
8	275	291	e2550	702	3400	622	e1100	e1700	e215	e320	510	438
9	267	288	e2800	609	2340	787	e980	e1470	e200	e310	493	e420
10	261	286	e2900	580	1360	753	e910	e1280	e200	e330	526	e400
11	6230	282	e2800	573	1160	995	e860	e1140	424	e380	327	e390
12	4390	280	e4000	538	1020	7500	e750	e1050	316	e420	306	e375
13	4640	279	e7900	497	930	4950	e650	e930	1000	e470	311	e370
14	5620	275	e8000	462	853	5130	593	e870	2380	e680	546	e360
15	3060	274	e7800	440	798	4510	543	e590	795	e550	1590	e360
16	2900	273	e7100	416	775	4380	503	e430	648	e530	3680	e450
17	2560	271	e8300	412	734	14000	474	e1510	526	e520	2390	e700
18	2150	272	e5600	507	704	17000	448	e1550	475	e520	1390	e1090
19	1560	311	e4400	1140	813	8630	436	e800	459	e600	933	e920
20	1020	331	e3700	1240	2120	8450	415	e380	431	e510	880	e3800
21	768	281	e3200	1340	1980	6930	396	e240	383	e470	802	e3400
22	608	278	e3100	1270	1760	6130	541	e220	351	e440	915	e3700
23	516	278	e6800	1290	1510	e4600	411	e210	327	e450	739	e1800
24	499	2010	e5800	e5000	1370	e3200	e300	e200	320	e590	692	e1000
25	641	875	e4700	e5400	1280	e2400	e290	e200	335	e480	1750	e920
26	415	522	e3600	e7300	1070	e1800	e280	e190	337	466	1590	e4000
27	380	2320	e3100	e8600	978	e1700	e270	e200	437	484	1050	e8200
28	355	e4000	e2300	e5500	892	e1550	e260	e360	e500	511	715	e12800
29	337	e16000	1350	e3600	---	e1600	e600	e560	e400	497	646	e11000
30	329	e20000	959	e2350	---	e2600	e1400	e310	e360	486	618	e8000
31	321	---	734	e2100	---	e6400	---	e270	---	854	592	---
TOTAL	42319	52404	179543	56288	38007	121712	42410	29710	13549	15848	27940	68289
MEAN	1365	1747	5792	1816	1357	3926	1414	958.4	451.6	511.2	901.3	2276
MAX	6230	20000	27000	8600	3400	17000	6300	2500	2380	1380	3680	12800
MIN	249	271	734	412	704	622	260	190	200	310	306	360
CFSM	1.73	2.22	7.35	2.30	1.72	4.98	1.79	1.22	0.57	0.65	1.14	2.89
IN.	2.00	2.47	8.48	2.66	1.79	5.75	2.00	1.40	0.64	0.75	1.32	3.22

e Estimated

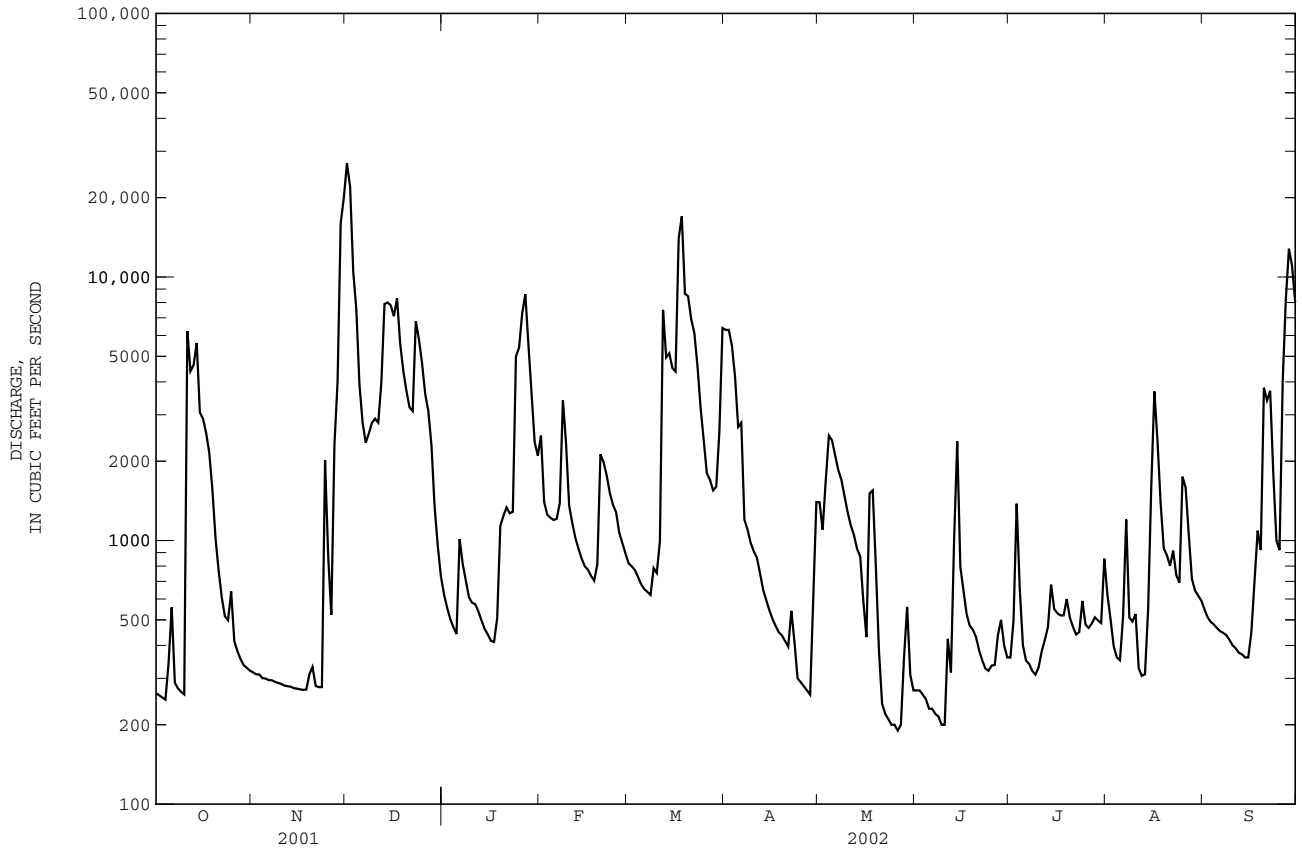
07031740 WOLF RIVER AT HOLLYWOOD STREET AT MEMPHIS, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

MEAN	723.8	890.6	1715	1486	1811	2450	1286	1135	812.7	630.2	728.8	800.5
MAX	1449	1755	5792	2375	3706	4847	1994	2142	2211	858	1468	2276
(WY)	1997	1997	2002	1999	2001	1997	1999	1999	1997	1997	1998	2002
MIN	248	348	573	452	554	1038	733	589	357	391	334	268
(WY)	2001	2000	2001	2000	1995	2001	1995	2000	1995	2001	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	541777		688019			
ANNUAL MEAN	1484		1885		1200	
HIGHEST ANNUAL MEAN					1885	2002
LOWEST ANNUAL MEAN					616	2000
HIGHEST DAILY MEAN	27000	Dec 1	27000	Dec 1	a27000	Dec 1 2001
LOWEST DAILY MEAN	220	Aug 29	190	May 26	190	May 26 2002
ANNUAL SEVEN-DAY MINIMUM	234	Aug 24	209	May 21	209	May 21 2002
MAXIMUM PEAK FLOW			35600	Dec 1		
MAXIMUM PEAK STAGE			b35.44	Dec 1		
ANNUAL RUNOFF (CFSM)	1.88		2.39		1.52	
ANNUAL RUNOFF (INCHES)	25.58		32.48		20.70	
10 PERCENT EXCEEDS	3640		5050		2700	
50 PERCENT EXCEEDS	492		692		596	
90 PERCENT EXCEEDS	275		280		306	

a Occurred during period of estimated record.
b Peak stage determined from high water mark.



07032200 NONCONNAH CREEK NEAR GERMANTOWN, TN

LOCATION.--Lat 35°02'59", long 89°49'08", Shelby County, Hydrologic Unit 08010211, on right bank, 100 ft upstream from bridge on Winchester Road, 2.6 mi south of Germantown, and at mile 17.3.

DRAINAGE AREA.--68.2 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, 1959-1964 and 1969; October 1969 to May 1985, October 1985 to January 1995, June 1996 to current year.

REVISED RECORDS.--WRD TN-74-1: Drainage area, WRD TN-87-1 (P).

GAGE.--Water-stage recorder. Datum of gage is 262.92 ft above NGVD of 1929, (from levels by National Resources Conservation Service).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Periodic observations of water temperature and specific conductance are published in this report as miscellaneous water-quality data.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 11	1545	5,790	16.04	Mar 12	0530	5,400	15.64
Nov 29	0145	*10,700	*20.70	Mar 17	0245	4,500	14.68
Dec 14	0015	4,220	14.37	Mar 31	0630	3,750	13.82
Dec 23	0230	6,710	16.97	Sep 26	2215	8,010	18.30
Jan 25	unknown	5,120	15.35				

Minimum discharge, 0.03 ft^3/s, Oct. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	e0.58	136	6.9	e190	6.9	331	120	7.2	4.7	61	2.5
2	1.6	e0.48	49	6.3	e60	5.8	102	18	5.7	10	16	2.4
3	1.3	e0.45	24	5.9	e25	5.5	53	569	3.5	26	3.7	1.3
4	2.2	e0.40	18	5.4	e10	3.4	20	762	1.9	5.6	1.7	0.85
5	46	e0.35	12	6.9	e10	2.9	13	101	4.9	2.6	1.2	1.1
6	32	e0.32	11	369	e50	2.8	8.7	28	9.8	1.6	44	0.77
7	2.3	e0.32	51	120	e160	2.9	6.2	12	5.7	0.98	30	1.00
8	0.58	e0.36	411	45	e68	2.9	48	6.4	2.4	1.1	2.6	1.6
9	0.22	e0.38	118	23	e35	132	42	17	1.5	8.7	1.0	1.6
10	25	e0.40	35	15	e22	37	14	60	20	84	1.8	1.4
11	2850	e0.42	18	12	e13	449	8.3	25	19	20	1.1	1.4
12	473	e0.42	1770	8.1	e10	2850	6.8	17	3.3	396	1.2	1.7
13	1700	e0.42	2290	6.8	e8.5	362	4.5	180	385	41	17	1.1
14	596	e0.41	1640	5.7	8.4	93	4.1	38	76	7.8	628	0.72
15	71	0.45	210	5.0	9.2	96	3.5	11	8.9	2.4	207	5.6
16	14	0.59	927	4.6	13	860	3.1	5.3	3.0	1.5	1120	10
17	5.6	1.9	2020	5.0	7.1	2660	5.5	591	1.7	1.2	124	19
18	4.9	1.7	332	e12	6.7	1670	3.9	199	1.7	22	72	3.2
19	3.0	9.3	95	e60	157	314	4.0	35	1.6	95	17	83
20	1.1	4.9	43	e450	845	1630	4.1	12	1.1	20	6.8	1550
21	0.88	3.9	26	e170	134	294	7.7	6.1	1.0	3.8	4.2	329
22	0.52	1.9	772	e23	45	76	64	4.1	0.99	1.5	5.6	29
23	0.52	1.5	2720	e16	21	33	4.3	3.1	1.2	1.2	3.7	5.3
24	54	978	244	e75	14	19	16	3.4	2.3	2.8	233	2.0
25	47	34	76	e2300	11	12	27	2.8	14	7.7	212	1.5
26	1.5	133	40	e720	20	478	4.5	37	2.6	21	16	2360
27	0.28	1150	25	e140	15	101	3.5	12	73	11	6.1	2290
28	e0.27	2110	17	e260	8.3	31	2.0	62	8.2	1.0	3.5	201
29	e0.24	6990	13	e100	---	18	1.3	439	3.1	0.74	2.7	27
30	e0.50	1120	11	e50	---	754	407	90	3.0	43	1.7	11
31	e0.60	---	8.5	e50	---	2220	---	14	---	460	2.0	---
TOTAL	5938.01	12546.85	14162.5	5076.6	1976.2	15222.1	1223.0	3480.2	673.29	1305.92	2847.6	6946.04
MEAN	191.5	418.2	456.9	163.8	70.58	491.0	40.77	112.3	22.44	42.13	91.86	231.5
MAX	2850	6990	2720	2300	845	2850	407	762	385	460	1120	2360
MIN	0.22	0.32	8.5	4.6	6.7	2.8	1.3	2.8	0.99	0.74	1.0	0.72
CFSM	2.81	6.13	6.70	2.40	1.03	7.20	0.60	1.65	0.33	0.62	1.35	3.39
IN.	3.24	6.84	7.73	2.77	1.08	8.30	0.67	1.90	0.37	0.71	1.55	3.79

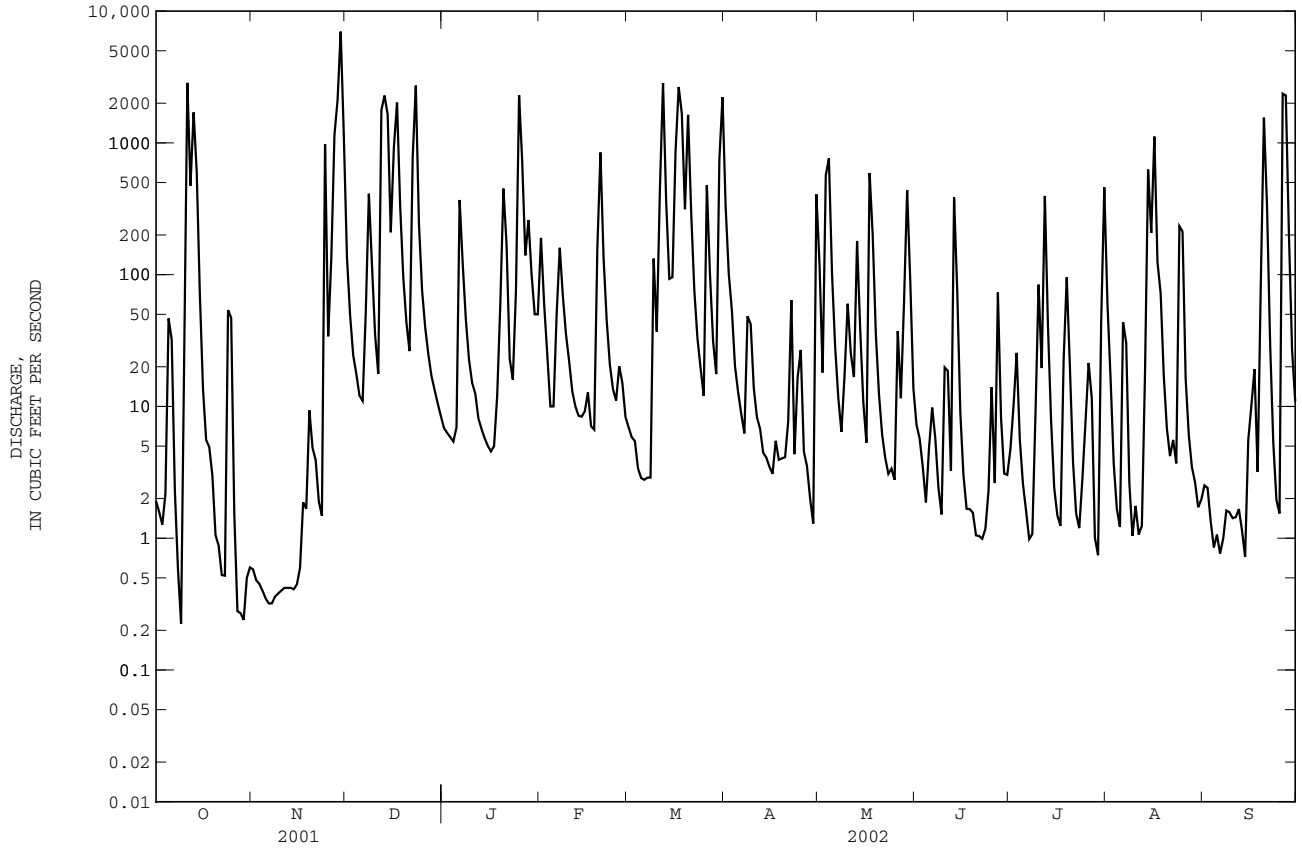
e Estimated

07032200 NONCONNAH CREEK NEAR GERMANTOWN, TN--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.51	103.0	173.7	155.6	188.0	210.3	179.6	109.5	61.66	43.04	19.22	30.11
MAX	192	418	616	531	604	659	834	407	300	354	91.9	232
(WY)	2002	2002	1983	1974	1989	1980	1991	1979	1974	1989	2002	2002
MIN	0.000	0.21	2.25	0.41	14.6	15.2	9.44	3.74	3.09	0.70	0.37	0.087
(WY)	1970	1972	1977	1986	1978	1986	1978	1988	1988	1976	1980	1984

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1970 - 2002	
ANNUAL TOTAL	57051.15		71398.31			
ANNUAL MEAN	156.3		195.6		107.3	
HIGHEST ANNUAL MEAN					215	1979
LOWEST ANNUAL MEAN					22.4	1986
HIGHEST DAILY MEAN	6990	Nov 29	6990	Nov 29	6990	Nov 29 2001
LOWEST DAILY MEAN	0.22	Oct 9	0.22	Oct 9	0.00	Oct 1 1969
ANNUAL SEVEN-DAY MINIMUM	0.36	Nov 4	0.36	Nov 4	0.00	Oct 1 1969
MAXIMUM PEAK FLOW			10700	Nov 29	13100	Jul 2 1989
MAXIMUM PEAK STAGE			20.70	Nov 29	27.11	Mar 12 1975
INSTANTANEOUS LOW FLOW			0.03	Oct 28	0.00	Oct 1 1969
ANNUAL RUNOFF (CFSM)	2.29		2.87		1.57	
ANNUAL RUNOFF (INCHES)	31.12		38.94		21.37	
10 PERCENT EXCEEDS	288		454		198	
50 PERCENT EXCEEDS	6.8		11		5.4	
90 PERCENT EXCEEDS	0.61		1.1		0.17	



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

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

Crest-stage partial-record stations

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

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN					
Whiteoak Creek at Sunbright, TN (03409000)	Lat 36°14'38", long 84°40'14", Morgan County, Hydrologic Unit 05130104, at bridge on U.S. Highway 27 in Sunbright. Datum of gage is 1,294.05 ft above NGVD of 1929. Drainage area is 13.5 mi^2.	1934, 1955-82, 1985-99 2000-02	3-18-02	9.23	-	5-27-73	17.24a	5,560
Wolf River near Byrdstown, TN (03416000)	Lat 36°33'37", long 85°04'23", Pickett County, Hydrologic Unit 05130105, on right bank 0.3 mi upstream from bridge on county road, 0.5 mi upstream from Widow Creek, 3.2 mi east of Byrdstown, 5.4 mi upstream from Lick Creek, and at mi 26.2. Datum of gage is 707.54 ft, Sandy Hook Datum. Drainage area is 106 mi^2.	1942-91†, 1992-99 2000-02	3-18-02	10.30	10,700	9- 2-82	17.14	23,500
Doe Creek at Gainesboro, TN (03418201)	Lat 36°21'23", long 85°39'20", Jackson County, Hydrologic Unit 05130106, at bridge on Highway 56, at Gainesboro. Datum of gage is 519.37 ft aboveNGVD of 1929. Drainage area is 5.72 mi^2.	1978-99 2000-02	3-17-02	3.96	-	8-31-82	7.28	-
Cane Creek near Spencer, TN (03419200)	Lat 35°44’36", long 85°23’33", Van Buren County, Hydrologic Unit 05130108, at bridge on State Highway 30, 4.0 mi east of Spencer. Drainage area is 134 mi^2.	1997-99 2000-02	1-23-02	13.10	-	1-23-02	13.10	-

See footnotes at the end of table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN--Continued					
Charles Creek near McMinnville, TN (03421200)	Lat 35°43'00", long 85°46'05", Warren County, Hydrologic Unit 05130107, at bridge on county road at Faulkner Springs, 2.7 mi north of McMinnville. Drainage area is 31.1 mi^2.	1955-99 2000-02	1-23-02	11.70	6,200	6-22-89	17.03	24,800
Mulherrin Creek near Gordonsville, TN (03424900)	Lat 36°11'28", long 85°57'11", Smith County, Hydrologic Unit 05130108, at bridge on State Highway 53, 1.3 mi upstream from mouth, 1.5 mi northwest of Gordonsville. Drainage area is 26.9 mi^2.	1982, 1986-99 2000-02	1-23-02	15.76	-	2-14-89	23.85	-
Peyton Creek near Monoville, TN (03425040)	Lat 36°18'37", long 85°59'21", Smith County, Hydrologic Unit 05130201, at county road bridge 1.3, mi north of Monoville. Drainage area is 40.0 mi^2.	1986-99 2000-02	3-17-02	16.98	-	3-17-02	16.98	-
Second Creek near Walnut Grove, TN (03425365)	Lat 36°24'01", long 86°12'48", Trousdale County, Hydrologic Unit 05130201, at culvert on State Highways 10 and 25, 2.6 mi west of Hartsville, Drainage area is 3.47 mi^2.	1986-99 2000-02	3-17-02	27.14	-	6-10-98	29.48	-
Station Camp Creek at Cottontown, TN (03425637)	Lat 36°27'06", long 86°32'16", Sumner County, Hydrologic Unit 05130201, at State Highway 25 bridge in Cottontown.	1995-99 2000-02	3-17-02	15.01	-	6- 9-98	16.74	-
East Fork Stones River at Woodbury, TN (03426800)	Lat 35°49'41", long 86°04'36", Cannon County, Hydrologic Unit 05130203, at bridge on U.S. Highway 70S at Woodbury. Datum of gage is 676.23 ft above NGVD of 1929. Drainage area is 39.1 mi^2.	1962-89† 1990-99 2000-02	1-23-02	14.61	7,390	3-15-73	16.75	13,200
Brawleys Fork below Bradyville, TN (03426874)	Lat 35°44'44", long 86°10'14", Cannon County, Hydrologic Unit 05130203, at bridge on Bradyville Pike, 0.5 mi northwest of Bradyville. Drainage area is 15.4 mi^2.	1983-99 2000-02	1-23-02	27.56	2,750	10- 1-89	27.94	2,850
Reed Creek near Bradyville, TN (034269424)	Lat 35°44'44", long 86°12'31", Rutherford County, Hydrologic Unit 05130203, at bridge on Bradyville Pike, 2.4 mi northwest of Bradyville. Drainage area is 3.52 mi^2.	1983-99 2000-02	1-23-02	4.00	-	4-20-95	5.86	-

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN--Continued					
East Fork Stones River near Lascassas, TN (03427500)	Lat 35°55'06", long 86°20'02", Rutherford County, Hydrologic Unit 05130203, on left bank 50 ft upstream from highway bridge, 2.5 mi southwest of Lascassas, 3.7 mi downstream of Bradley Creek, 6.0 mi northeast of the courthouse in Murfreesboro, and at mi 15.4. Datum of gage is 507.88 ft, Sandy Hook Datum. Drainage area is 262 mi^2.	1950-58†, 1963-91†, 1992-99 2000-02	1-23-02	31.89	21,800	3-13-75	39.48	41,200
Bushman Creek at Pitts Lane Ford near Compton, TN (03427690)	Lat 35°53'08", long 86°20'47", Rutherford County, Hydrologic Unit 05130203, on right bank 75 ft upstream of bridge on De Jarnett Lane, 0.1 mi west of intersection of De Jarnett Lane and State Highway 96, 1.6 mi southwest of Compton. Datum of gage is 569.74 ft above NGVD of 1929. Drainage area is 9.67 mi^2.	1989-92†, 1993-99 2000-02	1-23-02	5.54	1,230	7-21-96	7.24	2,020
Lytle Creek at Sanbyrne Drive at Murfreesboro, TN (03428043)	Lat 35°49'38", long 86°23'28", Rutherford County, Hydrologic Unit 05130203, at bridge on Sanbyrne Drive, 1 mi south of intersection of Highways 41 and 231 in Murfreesboro. Datum of gage is 591.91 ft above NGVD of 1929. Drainage area is 17.6 mi^2.	1978-90, 1991-92†, 1993-99 2000-01 2002b	--	--	-	1-23-99	3.36	-
Unnamed Sink near Almaville, TN (03428270)	Lat 35°51'21", long 86°32'21" Rutherford Count, Hydrologic Unit 05130203, on left downstream wingwall of culvert on Shored Road, 2.4 miles southeast of Almaville. Datum of gage is NGVD of 1929.	1994-99 2000-02	1-24-02	604.69	-	3-27-94	607.36	-
West Fork Stones River near Smyrna, TN (03428500)	Lat 35°56'25", long 86°27'54", Rutherford County, Hydrologic Unit 05130203, near left bank at county bridge on Sulphur Springs Road, 400 ft upstream from Nice's Mill dam, 1.6 mi downstream from Overall Creek, 4.2 mi southeast of Smyrna, and at mi 6.4. Datum of gage is 500 ft, above NGVD of 1929. Drainage area is 237 mi^2, includes 43 mi^2 without surface drainage.	1965-91†, 1992-99 2000-02	1-24-02	16.12	22,100	3-13-75	19.18	63,800
Unnamed Sink on I-840 at Leanna, TN (03428513)	Lat 35°56'13", long 86°26'14", Rutherford County, Hydrologic Unit 05130203, 100 ft above culvert on I-840, 0.4 mile southwest of Leanna. Datum of gage is NGVD of 1929.	1994-99 2000-02	1-24-02	533.44	-	1-23-99	532.56	-

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN--Continued					
Unnamed Sink at Leanna, TN (03428515)	Lat 35°56'19", long 86°26'49", Rutherford County, Hydrologic Unit 05130203, 100 ft south of intersection of E. Buckeye Bottom Road and Sulphur Springs Road 0.9 mi west of Leanna. Datum of gage is NGVD of 1929.	1994-99 2000-02	--	<512.90	-	1- 23-99	515.41	-
McCrory Creek at Ironwood Drive at Donelson, TN (03430118)	Lat 36°09'07", long 86°39'02", Davidson County, Hydrologic Unit 05130203, at bridge under Ironwood Drive, 1.3 mi southeast of intersection of U.S. Highway 70 (Lebanon Road) and Donelson Pike in Donelson. Datum of gage is 430.63 ft above NGVD of 1929. Drainage area is 7.31 mi^2.	1977-99c 2000-02	3-17-02	8.04	1,920	5- 6-84	9.87	2,850
Mill Creek at Nolensville, TN (03430400)	Lat 35°57'32", long 86°40'31", Williamson County, Hydrologic Unit 05130202, at bridge on Sunset Road, 0.6 mi northwest of Nolensville. Datum of gage is 586.18 ft above NGVD of 1929. Drainage area is 12.0 mi^2.	1965-99 2000-02	1-24-02	6.50	3,210	5- 7-84	9.82	11,400
Mill Creek near Antioch, TN (03431000)	Lat 36°04'54", long 86°40'50", Davidson County, Hydrologic Unit 05130202, at bridge on Franklin-Limestone Road, 1.6 miles north of Antioch, Datum of gage is 472.93 ft above NGVD of 1929. Drainage area is 64.0 mi^2.	1954-61†, 1962-63, 1964-75†, 1976-92, 1993-96† 1997-99 2000-02	1-24-02	12.91	5,070	5- 4-79	23.78	30,100
Sevenmile Creek at Blackman Road, near Nashville, TN (03431040)	Lat 36°04'21", long 86°44'00", Davidson County, Hydrologic Unit 05130202, at bridge on Blackman Road, 7.0 mi southeast of State capitol in Nashville. Datum of gage is 499.08 ft above NGVD of 1929. Drainage area is 12.2 mi^2.	1965-99 2000-02	7-12-02	4.91	1,450	6- 4-98	10.57	10,500
Mill Creek tributary at Glenrose Avenue, at Woodbine, TN (03431062)	Lat 36°07'02", long 86°43'37", Davidson County, Hydrologic Unit 05130202, at culvert under Glenrose Avenue, 1.1 mi northeast of intersection of Nolensville Road and Thompson Lane in Woodbine, and 750 ft upstream from mouth. Datum of gage is 443.52 ft above NGVD of 1929. Drainage area is 1.17 mi^2.	1977-99c 2000-02c	3-17-02	6.78	523	5- 6-84	9.12	833

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN--Continued					
West Fork Browns Creek at General Bates Drive, at Nashville, TN (03431120)	Lat 36°06'29", long 86°47'07", Davidson County, Hydrologic Unit 05130202, at bridge on General Bates Drive, 4.0 mi south of State capitol in Nashville. Datum of gage is 499.94 ft above NGVD of 1929. Drainage area is 3.30 mi^2.	1965-99 2000-02	3-17-02	6.48	1,710	3-29-75	7.00	2,110
East Fork Browns Creek at 100 Oaks Mall, at Nashville, TN (03431242)	Lat 36°06'36", long 86°46'03", Davidson County, Hydrologic Unit 05130202, at culvert on access road to CarMax, 300 ft ft west of 100-Oaks Shopping Center, and 4.0 mi southeast and of State capitol in Nashville. Datum of gage is 496.69 ft above NGVD of 1929. Drainage area is 1.58 mi^2.	2000-02	3-17-02	501.50	-	8- 3-01	501.80	-
Browns Creek at Factory Street, at Nashville, TN (03431340)	Lat 36°08'26", long 86°45'31", Davidson County, Hydrologic Unit 05130202, at bridge on Factory Street, 800 ft downstream from Louisville and Nashville Railroad bridge, and 2.3 mi southeast of State capitol in Nashville. Datum of gage is 420.66 ft above NGVD of 1929. Drainage area is 13.2 mi^2.	1965-99 2000-02	3-17-02	7.75	2,470	9-13-79	10.89	7,800
Pages Branch at Avondale, TN (03431490)	Lat 36°12'22", long 86°46'24", Davidson County, Hydrologic Unit 05130202, at culvert under Trinity Lane, 900 ft east of intersection of Interstate 65 and Trinity Lane at Avondale, 0.9 mi upstream from mouth. Drainage area is 2.01 mi^2.	1977-99c 2000-02c	3-17-02	6.37	1,470	6- 5-98	6.32	1,430
Earthman Fork at Whites Creek, TN (03431550)	Lat 36°15'55", long 86°49'51", Davidson County, Hydrologic Unit 05130202, at bridge on Whites Creek Pike in town of Whites Creek, 1,800 ft upstream from mouth. Drainage area is 6.29 mi^2.	1965-99 2000-02	3-17-02	8.06	1,740	5- 3-93	9.43	2,510
Ewing Creek below Knight Road, near Bordeaux, TN (03431581)	Lat 36°13'55", long 86°48'14", Davidson County, Hydrologic Unit 05130202, at downstream side of bridge on Knight Road, 3.0 mi northeast of Bordeaux. Datum of gage is NGVD of 1929. Drainage area is 13.3 mi^2.	1976-99 2000-02	7-12-02	448.85	-	6- 9-86	449.80	-
Sugartree Creek at YMCA Access Road, at Green Hills, TN (03431677)	Lat 36°06'13", long 86°49'12", Davidson County, Hydrologic Unit 05130202, at bridge on YMCA Access Road, 0.5 mi southwest of Hillsboro High School, at Green Hills. Datum of gage is NGVD of 1929. Drainage area is 1.51 mi^2.	1976-99 2000-02	3-17-02	544.68	-	9-13-79	545.23	-

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN--Continued					
Sugartree Creek at Abbott Martin Road, at Green Hills, TN (03431679)	Lat 36°06'23", long 86°49'17", Davidson County, Hydrologic Unit 05130202, at bridge on Abbott Martin Road, at intersection of Bedford Avenue and Abbott Martin Road, at Green Hills. Datum of gage is NGVD of 1929. Drainage area is 2.19 mi^2.	1976-99 2000-02	3-17-02	531.26	-	11-27-94	531.54	-
Sycamore Creek near Ashland City, TN (03431800)	Lat 36°19'12", long 87°03'04", Cheatham County, Hydrologic Unit 05130202, near right bank on downstream end of pier of bridge on State Highway 49, at Sycamore, 3.2 mi north of Ashland City, 4.4 mi upstream from Spring Creek, and at mi 8.6. Elevation of gage is 400 ft above NGVD of 1929, from topograhic map. Drainage area is 97.2 mi^2.	1961-87†, 1988-91†, 1992-99 2000-02	1-24-02	11.89	10,500	2-21-89	13.50	18,500
Murfrees Fork above Burwood, TN (03432470)	Lat 35°48'58", long 86°57'20", Williamson County, Hydrologic Unit 05130204, at county road bridge, just downstream from Cayce Branch, 1.6 mi east of Burwood. Drainage area is 7.43 mi^2.	1986-99 2000-02	5-13-02	20.08	-	4-86	26.85	-
Little Harpeth River at Granny White Pike, at Brentwood, TN (03432925)	Lat 36°01'30", long 86°49'09", Williamson County, Hydrologic Unit 05130204, at bridge on Granny White Pike, 2.0 mi southwest of Brentwood. Datum of gage is 618.29 ft above NGVD of 1929. Drainage area is 22.0 mi^2.	1978-99 2000-02	1-24-02	9.84	1,660	5- 4-79	17.55	9,260
Jones Creek near Burns, TN (03434590)	Lat 36°06'15", long 87°19'05", Dickson County, Hydrologic Unit 05130204, at bridge on Rock Church Road, 3.5 mi north of Burns and at mi 21.9. Drainage area is 13.3 mi^2.	1984-99 2000-02	1-24-02	10.77	4,680	5- 6-84	9.87	3,750
Bartons Creek near Cumberland Furnace, TN (034350021)	Lat 36°15'02", long 87°20'00" Dickson County, Hydrologic Unit 05130205, at bridge on Stayton road, 1.9 mi southeast of Cumberland Furnace. Drainage area is 22.3 mi^2.	1984-99 2000-02	11-29-01	11.72	-	4-16-98	15.88	-
Louise Creek near Grays Chapel, TN (034350035)	Lat 36°21'52", long 87°20'30", Montgomery County, Hydrologic Unit 05130206, at bridge on old State Highway 48, 2.8 mi south of Liverworth. Drainage area is 12.7 mi^2.	1995-99 2000-02	11-29-01	8.59	-	3- 3-97	10.96	-

See footnotes at the end of table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			CUMBERLAND RIVER BASIN--Continued					
Honey Run Creek near Cross Plains, TN (034351105)	Lat 36°31'52", long 87°40'10" Robertson County, Hydrologic Unit 05130206, at county road bridge, 1.2 mi north-northwest of Calistia. Drainage area is 17.0 mi^2.	1995-99 2000-02	3-17-02	13.78	-	6- 9-98	16.66	-
Honey Run Creek below Cross Plains, TN (034351113)	Lat 36°32'31", long 86°42'14", Robertson County, Hydrologic Unit 05130206, at Empson Bridge on county road, 0.4 mi above mouth of Empson branch, 0.6 mi southwest of Cross Plains. Drainage area is 20.0 mi^2.	1986-99 2000-02	3-17-02	22.00	-	2- 3-90	23.11	-
Beaver Dam Creek above Springfield (03435739)	Lat 36°31'40", long 86°49'29" Robertson County, Hydrologic Unit 05130206, at county road bridge, 3.6 miles north-east of Springfield, and at mile 1.6. Drainage area is 12.9 mi^2.	1995-99 2000-02	11-29-01	11.60	-	6- 9-98	15.17	-
Sulphur Fork Red River above Springfield, TN (03435770)	Lat 36°30'47", long 86°51'44", Robertson County, Hydrologic Unit 05130206, on left bank 150 ft downstream from new bridge on State Highway 49, 1.2 mi downstream from Beaver Dam Creek, 1.3 mi northeast of Springfield. Datum of gage is 538.17 ft above NGVD of 1929. Drainage area is 65.6 mi^2.	1975-88†, 1988-99 2000-02	3-17-02	11.40	4,230	3- 3-97	14.52	12,100
Spring Creek tributary near Cedar Hill, TN (03435930)	Lat 36°32'08", long 86°59'26", Robertson County, Hydrologic Unit 05130206, at culvert on Kinney Road, 1.2 mi southeast of Cedar Hill. Drainage area is 1.40 mi^2.	1986-99 2000-02	9-26-02	19.47	61.1	5-17-90	22.23	141
Sulphur Fork Red River above Port Royal, TN (03436082)	Lat 36°32'23", long 87°06'51", Robertson County, Hydrologic Unit 05130206, at bridge on State Highway 76 1.7 miles southeast of Port Royal. Drainage area is 214 mi^2.	1995-99 2000-02	11-29-01	30.79	-	3- 3-97	42.06	-
Passenger Creek near Sango, TN (03436130)	Lat 36°32'07", long 87°11'50" Montgomery County, Hydrologic Unit 05130206 at county road bridge 2.0 mi northeast of Sango. Datum of gage is NGVD of 1929. Drainage area is 20.5 mi^2.	1995-99 2000-02	-	<394.17	-	3- 3-97	405.76	-
Cummings Creek near Dotson-ville, TN (03436505)	Lat 36°29'18", long 87°28'06", Montgomery County, Hydrologic Unit 05130205, at bridge on Dotsonville Road, 1.1 mi northeast of Dotsonville. Drainage area is 2.65 mi^2.	1984-99 2000-02	9-26-02	7.37	-	12-25-87	9.45	-

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			TENNESSEE RIVER BASIN					
Yellow Creek near Shiloh, TN (03436700)	Lat 36°20'55", long 87°32'20", Montgomery County, Hydrologic Unit 05130205, at bridge on State Highway 13, 2.6 mi west of Shiloh, 3.0 mi downstream from Leatherwood Creek, 9.0 mi east of Erin. Datum of gage is 390.13 ft above NGVD of 1929. Drainage area is 124 mi^2.	1957-80† 1982-98 2000b 2001-02	11-29-01	14.29	--	5- 6-84	17.75	16,200
Caney Creek near Cosby, TN (03461230)	Lat 35°47'03", long 83°12'11", Cocke County, Hydrologic Unit 06010106, at culvert under State Highway 32, 3.3 mi southeast of Cosby. Drainage area is 1.62 mi^2.	1967-99 2000-02	1-19-02	3.67	50	1-26-96	6.45	275
Cherokee Creek near Embreeville, TN (03465607)	Lat 36°12'24", long 82°29'23", Washington County, Hydrologic Unit 06010108, at culvert on county road, 0.5 mi southeast of Mayday, 1.4 mi northwest of Kansas City, and at mi 1.3. Drainage area is 22.9 mi^2.	1984-99 2000-02	3-17-02	13.42	-	5- 7-84	18.37	-
Clear Fork near Fairview, TN (03465780)	Lat 36°19'33", long 82°33'47", Washington County, Hydrologic Unit 06010108, at culvert on State Highway 81, 2.0 mi southwest of Sulfur Springs, and at mi 3.8. Drainage area is 10.5 mi^2.	1983-99 2000-02	1-23-02	7.67	-	1-23-02	7.67	-
Lick Creek near Albany, TN (03466890)	Lat 36°14'54", long 82°55'34", Greene County, Hydrologic Unit 06010108, at State Highway 70 bridge, 0.3 mi downstream from Puncheon Camp Creek, 1.0 mi northwest of Albany, and at mi 33.7. Drainage area is 172 mi^2.	1984-99 2000-02	3-18-02	15.98	7,490	3-27-94	17.41	10,800
Bent Creek at Taylor Gap, TN (03467480)	Lat 36°14'08", long 83°06'41", Hamblen County, Hydrologic Unit 06010108, at bridge on county road (Mountain Valley Road), 2.1 mi southwest of Bulls Gap, 5.0 mi southeast of Russellville. Drainage area is 2.18 mi^2.	1986-99 2000-02	3-18-02	15.25	2,430	3-27-94	15.56	2,550
Carter Branch near White Pine, TN (03467992)	Lat 36°07'05", long 83°18'55", Jefferson County, Hydrologic Unit 06010108, at bridge on county road, 1.6 mi northeast of Kimbrough Crossroad, 1.8 mi northwest of White Pine. Drainage area is 4.25 mi^2.	1986-99 2000-02	3-18-02	7.87	-	4-29-97	9.14	-
Cedar Creek near Valley Home, TN (03467993)	Lat 36°08'03", long 83°18'47", Jefferson County, Hydrologic Unit 06010108, at culvert on county road, 1.7 mi southeast of Valley Home, 1.9 mi southeast of Witt, 2.2 mi northwest of White Pine. Drainage area is 2.01 mi^2.	1986-99 2000-02	3-18-02	12.66	153	4-29-97	13.38	210

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			TENNESSEE RIVER BASIN--Continued					
Sinking Fork at White Pine, TN (03467998)	Lat 36°07'21", long 83°17'44", Jefferson County, Hydrologic Unit 06010108, at culvert on county road, 0.9 mi northwest of White Pine, 2.7 mi northeast of Kimbrough Crossroad. Drainage area is 6.38 mi^2.	1986-99 2000-02	3-18-02	7.09	1,480	7-13-00	7.42	1,740
Dumplin Creek at Mt. Hareb, TN (03470215)	Lat 36°04'59", long 83°25'51", Jefferson County, Hydrologic Unit 06010107, at culvert on county road, 0.8 mi southeast of Mt. Hareb, 4.3 mi southeast of Jefferson City, 4.6 mi north of Dandridge. Drainage area is 3.65 mi^2.	1986-99 2000-02	3-18-02	11.11	250	3-18-02	11.11	250
Indian Creek at Childress, TN (03476960)	Lat 36°25'38", long 82°15'54", Sullivan County, Hydrologic Unit 06010102, at bridge on U.S. Highway 19, 3.3 mi south of Bluff City, and at mi 4.6. Drainage area is 6.79 mi^2.	1983-99 2000-02	3-17-02	8.65	-	5- 7-84	10.73	-
Reedy Creek at Orebank, TN (03487550)	Lat 36°33'42", long 82°27'36", Sullivan County, Hydrologic Unit 06010102, 80 ft upstream from culvert, 0.3 mi north of Orebank, 1.0 mi upstream from Gaines Branch, and at mi 9.8. Drainage area is 36.3 mi^2.	1963-89†, 1990-99 2000-02	3-18-02	9.46	1,580	10- 2-77	11.61	4,940d
Forgey Creek at Zion Hill, TN (03490522)	Lat 36°29'12", long 82°53'08", Hawkins County, Hydrologic Unit 06010104, at culvert on county road (Carter Valley Road), 0.9 mi north of Zion Hill, 7.8 mi northeast of Rogersville. Drainage area is 0.86 mi^2.	1986-99 2000-02	3-17-02	18.22	70	7-21-99	21.93	321
Robertson Creek near Persia, TN (03491540)	Lat 36°20'24", long 83°02'27", Hawkins County, Hydrologic Unit 06010104, at bridge on State Highway 113, 0.25 mi below Mooney Branch, and at mi 3.0. Drainage area is 14.6 mi^2.	1986-99 2000-02	3-18-02	12.00	985	8-13-93 3-27-94	12.50 12.50	1,120 1,120
Dry Land Creek tributary near New Market, TN (03494714)	Lat 36°03'33", long 83°34'13", Jefferson County, Hydrologic Unit 06010104, at culvert on county road (Rocky Valley Road), 3.0 mi south of New Market, 3.3 mi northwest of Piedmont. Drainage area is 0.20 mi^2.	1986-99 2000-02	3-17-02	11.84	50	4-17-98	13.22	82

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			TENNESSEE RIVER BASIN--Continued					
Flat Creek at Luttrell, TN (03494990)	Lat 36°11'45", long 83°44'44", Union County, Hydrologic Unit 06010104, at bridge on State Highway 61, 0.3 mi southwest of Luttrell, 3.5 mi northwest of Blaine. Drainage area is 22.4 mi^2.	1986-99 2000-02	3-18-02	12.21	-	7-1-97	13.85	-
Little Ellejoy Creek at Prospect, TN (03498010)	Lat 35°48'23", long 83°47'57" Blount County, Hydrologic Unit 06010201, at bridge on county road, 0.4 mi south of Prospect, at mile 1.93. Drainage area is 5.48 mi.	1995-99 2000-02	3-17-02	6.55	-	5-19-95	6.98	-
Stock Creek at Pickins Gap Road near High Bluff, TN (034991105)	Lat 35°53'03", long 83°50'18" Knox County, Hydrologic Unit 06010201, at bridge on Pickins road, near High Bluff, TN.	2000-02c	3-17-02	9.32	-	7-29-01	9.53	-
Ten Mile Creek at Robinson Road near Knoxville, TN (03499175)	Lat 35°56'42", long 84°03'24" Knox County, Hydrologic Unit 06010201, at bridge on Robinson Creek road, near Cedar Bluff, TN.	2000-02c	3-17-02	7.68	-	3-17-02 9-22-02	7.68 7.68	-
Baker Creek tributary near Binfield, TN (03519610)	Lat 35°41'56", long 84°02'46", Blount County, Hydrologic Unit 06010204, at culvert under county road, 1.5 mi east of Binfield. Drainage area is 2.10 mi^2.	1966-77, 1979-99 2000-02	3-17-02	7.19	-	6-23-81	8.29	-
Big War Creek at Luther, TN (03527800)	Lat 36°27'18", long 83°14'29", Hancock County, Hydrologic Unit06010205, at bridge on county road, 0.4 mi south of Luther 0.8 mi northwest of Yount Town, 6.0 mi southwest of Sneedville. Drainage area is 22.3 mi^2.	1986-99 2000-02	3-18-02	8.50	2,060	4-17-98	10.61	4,100
Crooked Creek near Maynard-ville, TN (03528390)	Lat 36°15'56", long 83°50'25", Union County, Hydrologic Unit 06010205, at culvert on State Highway 170, 2.5 mi northwest of Maynardville, 5.5 mi north-east of Paulette. Drainage area is 2.23 mi^2.	1986-99 2000-02	3-17-02	3.30	239	4-17-98	9.76	1,400
Coal Creek at Lake City, TN (03534000)	Lat 36°13'14", long 84°09'27" Anderson County, Hydrologic Unit 06010207, at bridge on U.S. Highway 25-W, at Lake City. Datum of gage is 842.76 ft above sea level. Drainage area is 24.5 mi^2.	1932-34†, 1955-99 2000-02	3-17-02	7.57	4,380	4-17-98	10.65	8,080
Willow Fork near Halls Cross-roads, TN (03535180)	Lat 36°05'59", long 83°54'27", Knox County, Hydrologic Unit 06010207, at culvert under Quarry Road, 1.7 mi northeast of Halls Crossroads. Datum of gage is 1,027.82 ft above NGVD of 1929. Drainage area is 3.23 mi^2.	1967-99 2000-02	3-18-02	6.82	437	4-17-98	8.40	990

See footnotes at the end of the table

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			TENNESSEE RIVER BASIN--Continued					
Beaver Creek near Willow Fork at Halls Crossroads, TN (035351830)	Lat 36°04'57", long 83°55'34", Knox County, Hydrologic Unit 06010207, at bridge on Old Andersonville Pike.	1998-99c 2000-02c	3-18-02	14.79	-	6-28-99	15.13	-
Beaver Creek at Brickyard Road near Powell, TN (03535195)	Lat 36°01'36", long 84°01'39", Knox County, Hydrologic Unit 06010207, at bridge on Brickyard Road, near Powell High School. Drainage area is 52.5 mi^2.	1998-99c 2000-02c	3-18-02	13.50	-	3-18-02	13.50	-
Conner Creek at Steele Road near Solway, TN (03535617)	Lat 35°56'05", long 84°11'18" Knox County, Hydrologic Unit 06010201, at bridge on Steele road near Solway	2000-02c	9-21-02	8.45	-	9-21-02	8.45	-
Coker Creek near Ironsburg, TN (03555900)	Lat 35°13'05", long 84°20'28", Monroe County, Hydrologic Unit 06020002, at bridge on State Highway 68, 4.2 mi southwest of Coker Creek. Drainage area is 22.4 mi^2.	1983-93e 1997-99 2000-02	1-23-02	10.54	-	4-17-98	13.38	-
Wolftever Creek near Ooltewah, TN (03566420)	Lat 35°03'43", long 85°03'59", Hamilton County, Hydrologic Unit 06020001, on right downstream wingwall of county road bridge, 0.6 mi downstream from Southern Railway bridge, 0.9 mi south of Ooltewah, 1.6 mi upstream from Little Wolftever Creek, and at mi 16.1. Drainage area is 18.8 mi^2.	1964-89†, 1992-99 2000-02	-	<5.17	<767	3-16-73	9.75	7,300
North Chickamauga Creek at Greens Mill, near Hixson, TN (03566599)	Lat 35°10'30", long 85°13'40", Hamilton County, Hydrologic Unit 06020001, at bridge on Boy Scout Road, 2.3 mi north of Hixson. Drainage area is 99.5 mi^2.	1925,1944, 1953-56, 1980-99 2000-02	1-23-02	30.23	-	10- 5-95	36.19	-
Stringers Branch at Leawood Drive, at Red Bank, TN (03569168)	Lat 35°07'00", long 85°17'28", Hamilton County, Hydrologic Unit 06020001, at bridge on Leawood Drive at Red Bank. Drainage area is 1.54 mi^2.	1980-99 2000-02	3-17-02	24.07	-	8-11-96	28.24	-
Little Sequatchie River at Sequatchie, TN (03571500)	Lat 35°07'47", long 85°35'10", Marion County, Hydrologic Unit 06020004, at Highway 27 bridge, 1.0 mi northeast of Sequatchie. Drainage area is 116 mi^2.	1925,1929, 1930, 1932-34†, 1944, 1951-54, 1965, 1979-99 2000-02	1-23-02	9.62	7,540	12-22-90	11.78	10,600

See footnotes at the end of table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			TENNESSEE RIVER BASIN--Continued					
Standifer Branch at Jasper, TN (03571730)	Lat 35°04'22", long 85°36'56", Marion County, Hydrologic Unit 06020004, at bridge on U.S. Highways 41, 64, and 72, 0.6 mi east of courthouse, 0.8 mi above Town Creek, at Jasper. Drainage area is 15.3 mi^2.	1982-99 2000-02	1-23-02	15.22	-	12-22-90	19.59	-
Battle Creek near Monteagle, TN (03571800)	Lat 35°08'03", long 85°46'15", Marion County, Hydrologic Unit 06030001, at bridge on former U.S. Highways 41 and 64, 9.2 mi southeast of Monteagle. Datum of gage is 621.51 ft above NGVD of 1929. Drainage area is 50.4 mi^2.	1955-99 2000-02	12-14-01	7.80	-	3-12-63	12.20	10,200
Richland Creek near Cornersville, TN (03583300)	Lat 35°19'10", long 86°52'20", Marshall County, Hydrologic Unit 06030004, at bridge on U.S. Highway 31-A, 3.4 mi southwest of Cornersville. Datum of gage is 754.28 ft above NGVD of 1929. Drainage area is 47.5 mi^2.	1962-68†, 1969-99 2000-02	1-23-02	15.35	9,460	7-11-89	16.58	11,400
Indian Creek near Olivehill, TN (03594153)	Lat 35°16'33", long 88°01'12", Hardin County, Hydrologic Unit 06040001, on State Highway 64, 14 mi east of Savannah. Datum of gage is 440.00 ft above NGVD of 1929. Drainage area is 158 mi^2.	1997-99 2000-02	12- 1-01	16.27	-	1-22-99	17.06	-
Owl Creek at Lexington, TN (035944242)	Lat 35°38'26", long 88°22'13", Henderson County, Hydrologic Unit 06040001, on State Highway 20, 1.37 mi east of Lexington, and at mi 1.3. Datum of gage is 400.00 ft above NGVD of 1929, prior to March 15, 1990 unknown. Drainage area is 2.50 mi^2.	1984-99 2000-02	3-18-02	25.95	-	3-2-97	26.64	-
Wartrace Creek above Bell Buckle, TN (03597300)	Lat 35°37'45", long 86°21'22", Bedford County, Hydrologic Unit 06040002, at culvert under county road, 2.7 mi north of Bell Buckle. Drainage area is 4.99 mi^2.	1966-99 2000-02	3-17-02	4.92	406	3-15-73	12.64	3,220
Fountain Creek near Culleoka, TN (03599430)	Lat 35°28'18", long 86°57'23", Maury County, Hydrologic Unit 0604002, on upstream side of bridge on State Highway 50-A, 1.6 mi southeast of Culleoka. 2.7 mi upstream from Globe Creek, and 9.7 mi west of courthouse in Lewisburg. Drainage area is 26.9 mi^2.	1966-68†, 1997-99 2000-02	1-23-02	12.68	7,060	5-13-67	14.16	9,280

See footnotes at the end of the table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			TENNESSEE RIVER BASIN--Continued					
West Piney River at Hwy 70 near Dickson, TN (03602170)	Lat 36°05'21", long 87°28'12", Dickson County, Hydrologic Unit 06040003, at U.S. Highway 70 bridge, 4.0 mi west of Dickson. Drainage area is 2.16 mi^2	1984-99 2000-02	3-17-02	27.44	-	5- 6-84	28.17	1,230
Coon Creek above Chop Hollow, near Hohenwald, TN (03604090)	Lat 35°35'19", long 87°41'09", Perry County, Hydrologic Unit 06040004, at bridge on State Highway 20, 9.0 mi northwest of Hohenwald. Drainage area is 6.02 mi^2.	1967-99 2000-02	12- 1-01	5.86	1,820	12- 9-72	6.80	3,150
Blue Creek near New Hope, TN (03604580)	Lat 36°03'52", long 87°38'58", Humphreys County, Hydrologic Unit 06040003, at county road bridge, 1.8 mi northwest of New Hope, 3.1 mi southeast of McEwen, and at mi 3.9. Drainage area is 13.2 mi^2.	1984-99 2000-02	3-17-02	18.53	-	6-13-89	18.82	-
Trace Creek above Denver, TN (03605555)	Lat 36°03'08", long 87°54'27", Humphreys County, Hydrologic Unit 06040005, on left bank at bridge on U.S. Highway 70, 1.0 mi northeast of New Johnsonville. Datum of gage is 377.05 ft above NGVD of 1929. Drainage area is 31.9 mi^2.	1963-88†, 1989-99 2000-02	11-29-01	11.11	6,690	5- 6-84	13.61	11,700
Cane Creek at Stewart, TN (03605880)	Lat 36°19'09", long 87°50'21", Houston County, Hydrologic Unit 06040005, at bridge on county road, 200 ft north of intersection of county road and State Highway 147, and at mi 7.0. Drainage area is 4.12 mi^2.	1984-99 2000-02	11-29-01	18.98	-	2- 4-97	19.62	-
			OBION RIVER BASIN					
Neil Ditch near Henry, TN (07024225)	Lat 36°10'19", long 88°23'33", Henry County, Hydrologic Unit 08010203, located on county road, 2.7 mi southeast of Henry, 1.6 mi north of Henry-Carroll county line. Drainage area is 4.07 mi^2.	1984-99 2000-02	11-29-01	12.51	-	12-21-90	14.48	-
Little Reedy Creek near Huntingdon, TN (07024370)	Lat 35°55'44", long 88°29'50", Carroll County, Hydrologic Unit 008010203, located on U.S. Highway 70, 0.6 mi southwest of Leach, 5.6 mi northeast of Cedar Grove. Drainage area is 0.91 mi^2.	1984-99 2000-02	11-29-01	14.71	-	3- 2-97	16.88	-

See footnotes at the end of table.

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			OBION RIVER BASIN--Continued					
Spring Creek near Greenfield, TN (07024760)	Lat 36°11'24", long 88°45'53", Weakley County, Hydrologic Unit 08010203, on State Highway 54, 3.2 mi northeast of Greenfield. Datum of gage is 300.00 ft above NGVD of 1929. Drainage area is 93.4 mi^2.	1997-99 2000-02	11-30-01	28.42	8,800	11-30-01 3- 2-97 5- 6-99 3-19-00 2-16-01	28.42 28.03 24.83 23.43 25.19	8,800 7,800 f 1,260 f 810 f 1,800 f
North Fork Obion River River near Union City, TN (07025500)	Lat 36°23'59", long 88°59'43", Obion County, Hydrologic Unit 08010202, at bridge on State Highway 22, 3.9 mi southeast of Union City. Datum of gage is 285.80 ft above NGVD of 1929. Drainage area is 480 mi^2.	1929-66†, 1967-71†, 1989-93†, 1994-99 2000-02	12- 1-01	20.38	14,400	1-22-37	23.08	49,200
North Fork Forked Deer River at U.S. Highway 45W Bypass at Trenton, TN (07028505)	Lat 35°58'58", long 88°55'49", Gibson County, Hydrologic Unit 08010204, at bridge on U.S. Highway 45W Bypass, 0.25 mi north of intersection of U.S. Highway 45W Bypass and State Highways 77 and 104 in Trenton. Datum of gage is 306.85 ft above NGVD of 1929. Drainage area is 73.9 mi^2.	1987-99 2000-02	11-29-01	11.41	-	12-21-90	12.00	-
Lewis Creek near Dyersburg, TN (07029090)	Lat 36°03'14", long 89°21'42", Dyer County, Hydrologic Unit 08010204, at bridge on U.S. Highway 51 (Business Route), 2.1 mi northeast of square in Dyersburg. Datum of gage is 276.52 ft above NGVD of 1929. Drainage area is 25.5 mi^2.	1955-78, 1980-83, 1985-99 2000-02	11-29-01	15.74	4,500	3- 9-64 2-15-90 10-4-90 12-13-91 5-3-93 11-17-93 5-25-95 7-31-96 3-2-97 5-7-98 5-6-99 5-27-00 2-16-01	19.31 17.57 18.17 14.53 14.07 14.57 12.51 16.81 19.10 16.15 16.26 14.69 15.40	5,450 7,490g 8,850g 3,050g 2,700g 3,090g 1,790g 6,130g 11,000g 4,830g 5,000g 3,180g 3,880g
Hatchie River at Sunnyhill, TN (07029900)	Lat 35°31'23", long 89°15'12", Haywood County, Hydrologic Unit 08010208, at bridge on State Highway 76, 0.6 mi south of Sunnyhill, 4.9 mi south of Brownsville. Drainage area is 1,858 mi^2.	1997-99 2000-02	1-28-02	31.64	-	3-5-97	34.21	-
Cane Creek at Ripley, TN (07030100)	Lat 35°45'25", long 89°33'05", Lauderdale County, Hydrologic Unit 08010208, at bridge on State Highway 19, 1.3 mi upstream from Hyde Creek, 1.5 mi northwest of Ripley. Datum of gage is 295.93 ft above NGVD of 1929. Drainage area is 33.9 mi^2.	1957-62†, 1963-70,h 1986-88†, 1989-99 2000-02	12-17-01	17.83	3,110	7- 1-89	23.16	6,360

† Operated as a continuous-record gaging station.
a A gage height of 17.45 ft occurred on 3-23-29.
b Gage destroyed
c Operated as a flood hydrograph station.
d A peak discharge of 11,000 ft^3/s occurred on 5-30-27, from reports of Tennessee Valley Authority.
e Datum of gage prior to 1995 water year unknown due to bridge replacement.
f Not previously published.
g Revised.
h Operated as crest-stage partial-record station.

Miscellaneous Sites

Measurements of streamflow at points other than gaging stations are given in the following table. Measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger(†).

Discharge measurements made at miscellaneous sites during water year 2002

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		TENNESSEE RIVER BASIN				
03594153 Indian Creek	Tennessee River	Lat 35°16'33", long 88°01'12", Hardin County, Hydrologic Unit 06040001, at bridge on U.S. Hwy 64, .75 mi east of Olivehill, 14 mi east of Savannah.	158	2001	5-14-02	239
03600085 Carters Creek	Duck River to Tennessee River	Lat 35°43'39", long 86°59'19", Maury County, Hydrologic Unit 06040003, at bridge on Petty Lane, 0.8 mi north of Carters Creek, and at mile 4.7.	16.6	1986-99 2000-01	11-27-01 2-26-02 5-21-02 8-20-02	10.9 17.0 12.7 .32
03600086 Carters Creek Tributary	Carters Creek to Duck River to Tennessee River	Lat 35°43'34", long 86°59'19", Maury County, Hydrologic Unit 06040003, at culvert on Carters Creek Road, 0.7 mi north of Carters Creek.	2.94	1986-99 2000-01	11-27-01 2-26-02 5-21-02 8-20-02	18.8 6.0 3.2 .46
03604090 Coon Creek above Chop Hollow, near Hohenwald,	Buffalo River to Duck River to Tennessee River	Lat 35°35'19", long 87°41'09", Perry County, Hydrologic Unit 06040004, at bridge on State Highway 20, 9.0 mi northwest of Hohenwald.	6.02	1967-99a 2000-01a	5-14-02	10.5*
03605555 Trace Creek above Denver, TN	Tennessee River	Lat 36°03'08", long 87°54'27", Humphreys County, Hydrologic Unit 06040005, on left bank at bridge on U.S. Highway 70, 1.0 mi northeast of New Johnsonville.	31.9	1963-88‡ 1989-99 2000-01	5-15-02	68.6*
		OBION RIVER BASIN				
07024760 Spring Creek near Greenfield, TN	Middle Fork Obion River to Mississippi River	Lat 36°11'24", long 88°45'53", Weakley County, Hydrologic Unit 08010203, on State Highway 54, 3.2 mi northeast of Greenfield.	93.4	1997-99a 2000-01a	5-14-02 9-27-02	138 1210
07025500 North Fork Obion River near Union City, TN	Obion River to Mississippi River	Lat 36°23'59", long 88°59'43", Obion County, Hydrologic Unit 08010202, at bridge on State Highway 22, 3.9 mi southeast of Union City.	480	1929-66‡ 1967-71‡ 1989-93‡ 1994-99a 2000-01a	5-22-02	811
07027360 South Fork Forked Deer	Mississippi River	Lat 35°29'48", long 88°42'43", Madison County, Hydrologic Unit 08010205, at bridge on State Route 197, 1.0 mi northeast of Pinson, and 4.0 mi northwest of Henderson, and at mile 65.6.	239	2001	3-12-02	1650

Miscellaneous Sites--Continued

Discharge measurements made at miscellaneous sites during water year 2002

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		OBION RIVER BASIN--Continued				
07027780 Nixon Creek	South Fork Forked Deer to Mississippi River	Lat 35°16'33", long 88°01'12", Haywood County, Hydrologic Unit 08010205, at bridge on Rudolf Road 2.2 mi from confluence with South Fork Forked Deer River.			4-24-01 8- 7-01	51.5 *0.98
07027900 Black Creek	South Fork Forked Deer to Mississippi River	Lat 35°48'57", long 89°19'15", Crockett County, Hydrologic Unit 08010205, at bridge on State Hwy 88, 3.2 mi south of Chestnut Bluff.	27.3	1958-61 1963 2001	3-13-02 5-13-02	11.4 905
07028000 South Fork Forked Deer River	Mississippi River	Lat 35°51'43", long 89°20'52", Lauderdale County, Hydrologic Unit 08010205, at bridge on Espy Park Rd., 3 mi southeast of Halls and 1 mi downstream of confluence of Black Creek at South Fork Forked Deer River.	1003	1930-57 2001	3-13-02	3290
07028838 Bethel Branch	North Fork Forked Deer to Mississippi River	Lat 36°02'37", long 89°10'48", Dyer County, Hydrologic Unit 08010204, at bridge on Nebo Road, 1.1 mi east of Tatumville.			9-25-02 9-26-02	0.38* 1010
07028850 Doakville Creek	North Fork Forked Deer to Mississippi River	Lat 36°02'18", long 89°12'09", Dyer County, Hydrologic Unit 08010204, at bridge on Tatumville Road, 1.1 mi southeast of Tatumville.			9-26-02 9-27-02	946 484
07029010 Buck Creek	Middle Fork Forked Deer to North Fork Forked Deer to Mississippi River	Lat 35°57'08", long 89°07'04", Gibson County, Hydrologic Unit 08010204, at bridge on Eaton Brazil Road, 1 mi southeast of Eaton.			9-26-02 9-27-02	581 1680
07029080 Pond Creek	North Fork Forked Deer to Mississippi River	Lat 35°59'48", long 89°22'37", Dyer County, Hydrologic Unit 08010204, at bridge on Sorrell Chapel Road, 3.3 mi north of Fowlkes.	68.0		9-25-02 9-26-02 9-27-02	3.7* 594 749
07029090 Lewis Creek near Dyersburg, TN	North Fork Forked Deer to Mississippi River	Lat 36°03'14", long 89°21'42", Dyer County, Hydrologic Unit 08010204, at bridge on U.S. Highway 51 (Business Route), 2.1 mi northeast of square in Dyersburg.	25.5	1955-78,a 1980-83,a 1985-99,a 2000-01a	5-17-02 5-17-02 5-17-02 5-17-02 5-22-02	4110* 3100 2770 2360 5.3*

Miscellaneous Sites--Continued

Discharge measurements made at miscellaneous sites during water year 2002

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		OBION RIVER BASIN--Continued				
07029880 Poplar Creek	Hatchie River to Mississippi River	Lat 35°26'38", long 89°14'12", Haywood County, Hydrologic Unit 08010208, at bridge on State Route 179.			12-18-01	27
07030100 Cane Creek	Hatchie River to Mississippi River	Lat 35°45'25", long 89°33'05" Lauderdale County, Hydrologic Unit 08010208, at bridge on State Highway 19, 1.3 mi upstream from Hyde Creek, 1.5 mi northwest of Ripley.	33.9	1957-62, 1985-88	5-21-00	4.2*
		WOLF RIVER BASIN				
07031660 Wolf River	Mississippi River	Lat 35°07'58", long 89°51'18", Shelby County, Hydrologic Unit 08010210, at bridge on Walnut Grove Road at Memphis.	709	1986-90‡ 2001	7- 2-02	*293
07031670 Wolf River	Mississippi River	Lat 35°09'32", long 89°52'57", Shelby County, Hydrologic Unit 08010210, at bridge on Summer Avenue at Memphis.		1963 1986	6-20-02	502
07031675 Wolf River	Mississippi River	Lat 35°10'22", long 89°53'54", Shelby County, Hydrologic Unit 08010210, at bridge on Covington Pike at Memphis.		2001	7- 2-02	*298
07031718 Wolf River	Mississippi River	Lat 35°11'14", long 89°56'37", Shelby County, Hydrologic Unit 08010210, at bridge on North Highland Street at Memphis.		2001	7- 2-02	*341
07032265 Cypress Creek	Nonconnah Creek to Mississippi River	Lat 35°02'01", long 90°04'12", Shelby County, Hydrologic Unit 08010211, at bridge on Horn Lake Road, at Memphis.			10-30-01	*0.03
07032305 Horn Lake Creek	Mississippi River	Lat 34°59'51", long 90°05'47", Shelby County, Hydrologic Unit 08010211, at bridge on Weaver Road at Memphis.			10-30-01	*3.5

‡ Operated as continuous record station.
a Operated as crest-stage gage.

Springs

In 1931 a study of large springs in Tennessee was made and the results published in WSP 713. From 1950 to 1954 a more detailed study, including some of these springs, was made. Results of this study and all subsequent spring measurements were published annually in WSP'S from 1950 to 1960. Since 1960 results of measurements have been published in annual State reports. Measurements made in the 2002 water year are given in the following table.

Discharge measurement of springs during water year 2002

Site number and name	Location	Tributary to	Date	Discharge (gpm)	Discharge (ft^3/sec)
		COFFEE COUNTY			
03578400 Pond Spring	Lat 35°25'10", long 85°58'29", Hydrologic Unit 06030003, 0.5 mi northwest of Hillsboro.	Bradley Creek to Elk River to Tennessee River	6-03-02	2,700	6.02
			10-22-02	758	1.69
03578448 Blue Spring	Lat 35°25'59", long 85°59'34", Hydrologic Unit 06030003, 2.0 mi northwest of Hillsboro	Blue Spring Creek to Bradley Creek to Elk River to Tennessee River	6-03-02	1,780	3.96
			10-22-02	408	.91
03578490 Joe Marlow Spring	Lat 35°21'38", long 85°58'35", Hydrologic Unit 06030003, 0.9 mi northwest of Prairie Plains.	Bradley Creek to Elk River to Tennessee River	6-03-02	3,140	7.00
03578495 Unnamed Spring	Lat 35°21'23", long 85°58'43", Hydrologic Unit 06030003, 0.9 mi west of Prairie Plains.	Bradley Creek to Elk River to Tennessee River	6-03-02	2,370	5.28
			10-22-02	1,270	2.82
035785004 Unnamed Spring	Lat 35°20'29", long 85°58'55", Hydrologic Unit 06030003, 1.1 mi west of Prairie Plains.	Bradley Creek to Elk River to Tennessee River	6-03-02	3,080	6.87
			10-22-02	898	2.0e
03596094 Wiley Spring	Lat 35°24'34", long 86°06'51", Hydrologic Unit 06040002, 0.3 mi northwest of Belmont.	Wiley Creek to Crumpton Creek to Duck River to Tennessee River	6-04-02	1,020	2.28
			10-22-02	126	.28
03596300 Short Spring	Lat 35°24'16", long 86°10'40", Hydrologic Unit 06040002, 3.2 mi northeast of Tullahoma.	Bobo Creek to Duck River to Tennessee River	6-04-02	4,140	9.22
			10-22-02	2,320	5.16
		FRANKLIN COUNTY			
03579045 Spring Creek Spring	Lat 35°18'18", long 86°07'07", Hydrologic Unit 06030003, 2.9 mi north of Estill Springs.	Spring Creek to Elk River to Tennessee River	6-03-02	89.9	.20
			10-23-02	35.9	.08

e Estimated

TENNESSEE RIVER BASIN

Coffee and Franklin counties, TN special study

A series of low-flow discharge measurements were made June and October 2002, in the vicinity of Coffee and Franklin counties, to define areas of potential ground-water supplies, low-flow hydrology and quality of water. The measurements were made during a period of constant base flow. Revised drainage area designated by an asterisk(*).

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C˚)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN					
03578300 Bean Creek at Prairie Plains, TN	Elk River to Tennessee River	Lat 35˚20’34", long 85˚57’37" Coffee County, Hydrologic Unit 06030003, at County Road Bridge, 0.5 mi east of Prairie Plains.	*17.60	6-3-02 10-22-02	5.9 .50	21.1 16.0	285 366
03578395 Bradley Creek	Elk River to Tennessee River	Lat 35˚24’50", long 85˚58’31", Coffee County, Hydrologic Unit 06030003, on State Route 41, 0.2 mi northwest of Hillsboro.	*11.78	6-3-02 10-22-02	2.71 .06	19.5 18.9	140 310
03578399 Bradley Creek Tributary above Pond Spring at Hillsboro	Bradley Creek to Elk River to Tennessee River	Lat 35˚25’11", long 85˚58’28", Coffee County, Hydrologic Unit 06030003, 0.6 mi northwest of Hillsboro.	1.53	6-3-02 10-22-02	0 0	-- --	-- --
03578404 Bradley Creek Tributary	Bradley Creek to Elk River to Tennessee River	Lat 35˚24’52", long 85˚58’35", Coffee County, Hydrologic Unit 06030003, on State Route 41, 0.3 mi northwest of Hillsboro.	1.75	6-3-02 10-22-02	6.60 1.46	20.5 15.5	285 407
03578445 Blue Spring Creek	Bradley Creek to Elk River to Tennessee River	Lat 35˚26’03", long 85˚59’38", Coffee County, Hydrologic Unit 06030003, 2.1 mi northeast of Hillsboro.	*3.98	6-3-02 10-22-02	0 0	-- --	-- --
03578449 Warren Branch near Blue Spring near Hillsboro	Blue Spring Creek to Bradley Creek Elk River to Tennessee River	Lat 35˚25’55", long 85˚59’22", Coffee County, Hydrologic Unit 06030003 on Blue Spring Road 1.7 mi northwest of Hillsboro.	5.84	6-3-02 10-22-02	0 0	-- --	-- --
03578452 Blue Spring Creek	Bradley Creek to Elk River to Tennessee River	Lat 35˚25’04", long 85˚59’10", Coffee County, Hydrologic Unit 06030003, on old Hillsboro Highway, 0.9 mi northwest of Hillsboro.	*10.96	6-3-02 10-22-02	3.27 .62	-- 15.5	-- 445
03578458 Bradley Creek Tributary near Cow Pond	Bradley Creek to Elk River to Tennessee River	Lat 35˚23’34", long 86˚01’29", Coffee County, Hydrologic Unit 0603003, on Access Highway, 2.0 mi northwest of AEDC.	1.62	6-3-02 10-22-02	0 0	-- --	-- --
03578460 Unnamed Tributary to Bradley Creek	Bradley Creek to Elk River to Tennessee River	Lat 35˚24’10", long 86˚01’10" Coffee County, Hydrologic Unit 06030003, 3.0 mi southwest of Hillsboro.	*2.16	6-3-02 10-22-02	0 0	-- --	-- --
03578465 Unnamed Creek	Bradley Creek to Elk River to Tennessee River	Lat 35˚24’12", long 85˚59’51" Coffee County, Hydrologic Unit 06030003, 1.6 mi southwest of Hillsboro.	*5.73	6-3-02 10-22-02	0 0	-- --	-- --

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
03578467 Bradley Creek at Hwy 127 near Hillsboro	Bradley Creek to Elk River to Tennessee River	Lat 35°23'45", long 85°58'40", Coffee County, Hydrologic Unit 06030003, on Hwy 127 1.2 mi south of Hillsboro.	*32.50	6-3-02 10-22-02	10.7 1.18	22.0 17.5	300 380
03578468 Collier Branch at Prairie Plains Road near Hillsboro	Bradley Creek to Elk River to Tennessee River	Lat 35°23'42", long 85°58'10" Coffee County, Hydrologic Unit 06030003, on Prairie Plains Road 1.2 mi south of Hillsboro.	*1.61	6-3-02 10-22-02	.15 0	20.5 --	180 --
03578469 Bradley Creek at I-24 near Hillsboro	Elk River to Tennessee River	Lat 35°22'52, long 85°58'46", Coffee County, Hydrologic Unit 06030003, on Interstate 24, 2.2 mi south of Hillsboro.	*36.17	6-3-02 10-22-02	11.6 0	20.5 --	302 --
03578470 Bradley Creek	Elk River to Tennessee River	Lat 35°22'16", long 85°58'23", Coffee County, Hydrologic Unit 06030003, 1.4 mi north-west of Prairie Plains.	*36.80	6-3-02 10-22-02	10.8 0	20.7 --	447 --
03578485 Bradley Creek near Unnamed Spring near Prairie Plains	Elk River to Tennessee River	Lat 35°21'38", long 85°58'32", Coffee County, Hydrologic Unit 06030003, 1.1 mi north-west of Prairie Plains.	*37.97	6-3-02 10-22-02	8.10 .66	21.4 15.7	301 435
03578500 Bradley Creek	Elk River to Tennessee River	Lat 35°21'21", long 85°58'45", Coffee County, Hydrologic Unit, 06030003, on Miller Cross Road, 0.9 mi west of Prairie Plains.	*38.53	6-3-02 10-22-02	27.2 11.8	17.5 15.6	469 411
035785002 Bradley Creek	Elk River to Tennessee River	Lat 35°20'32", long 85°59'01", Coffee County, Hydrologic Unit 06030003, 1.1 mi west of Prairie Plains.	*39.73	6-3-02 10-22-02	46.4 9.75	20.5 15.0	300 372
035785003 Bradley Creek Tributary at Prairie Plains	Bradley Creek to Elk River to Tennessee River	Lat 35°20'39", long 85°58'55", Coffee County, Hydrologic Unit 06030003, 0.9 mi west of Prairie Plains.	*0.31	6-4-02 10-22-02	0 0	-- --	-- --
035785015 Dry Creek	Bradley Creek to Elk River to Tennessee River	Lat 35°22'47", long 86°01'06", Coffee County, Hydrologic Unit 06030003, on Banes Road, 0.1 mi north of junction will Miller Cross Road.	*0.68	6-3-02 10-22-02	0 0	-- --	-- --
035785016 Dry Creek	Bradley Creek to Elk River to Tennessee River	Lat 35°22'07", long 85°59'44", Coffee County, Hydrologic Unit 06030003, on State Route 127, 3.6 mi southwest of Hillsboro	*3.68	6-3-02 10-22-02	0 0	-- --	-- --

Stream	Tributary to	Location	Drainage area (mi^2)	Date	Measured discharge (ft^3/s)	Water temp. (C°)	Specific cond. (us/cm)
		TENNESSEE RIVER BASIN--continued					
035785017 Dry Creek	Bradley Creek to Elk River to Tennessee River	Lat 35°21'39", long, 85°59'27", Coffee County, Hydrologic Unit 06030003, on Miller Cross Road, 1.6 mi northwest of Prairie Plains.	*4.17	6-3-02 10-22-02	.003e 0	-- --	-- --
035785018 Dry Creek at mouth at Prairie Plains	Bradley Creek to Elk River to Tennessee River	Lat 35°20'26", long, 85°59'07", Coffee County, Hydrologic Unit 06030003, 1.2 mi southwest of Prairie Plains.	*5.11	6-3-02 10-22-02	8.26 1.91	18.7 14.5	282 307
035785019 Bradley Creek below Mill Dam near Prairie Plains	Elk River to Tennessee River	Lat 35°20'21", long, 85°59'07", Coffee County, Hydrologic Unit 06030003, 1.3 mi southwest of Prairie Plains.	*45.29	6-3-02 10-22-02	27.8 12.9	18.2 14.5	297 325
03578502 Bradley Creek	Elk River to Tennessee River	Lat 35°20'07", long, 85°59'46", Coffee County, Hydrologic Unit 06030003, on Dickerson Road, 1.5 mi southwest of Prairie Plains.	*45.49	6-3-02 10-22-02	34.5 13.0	18.1 14.0	298 331
03578508 Possum Branch Tributary	Possum Branch to Elk River to Tennessee River	Lat 35°20'44", long, 86°01'31", Coffee County, Hydrologic Unit 06030003, on State Route 127, 1.5 mi northeast of Duncantown.	0.43	6-4-02 10-22-02	.001 0	-- --	-- --
03578509 Possum Branch Tributary at Wimbley Road	Possum Branch to Elk River to Tennessee River	Lat 35°20'27", long 86°01'04", Coffee County, Hydrologic Unit 06030003, on Wimbley Road, 3.1 mi southeast of AEDC.	0.20	6-4-02 10-22-02	.20 .18	16.2 15.5	71 .76
03578510 Possum Branch	Elk River to Tennessee River	Lat 35°20'02", long, 86°01'01", Franklin County, Hydrologic Unit 06030003, on Calls Circle Road, 0.7 mi east of intersection with State Route 127, 1.4 mi northwest of Duncantown.	*1.53	6-4-02 10-22-02	.27 .14	25.2 17.9	84 96
03578515 Possum Branch	Elk River to Tennessee River	Lat 35°19'32", long, 86°01'08", Franklin County, Hydrologic Unit 06030003, on county road, 1.3 mi east of Duncantown.	*1.90	6-4-02 10-22-02	.32 .19	23.2 16.3	82 102
03578610 Brumalow Creek	Elk River to Tennessee River	Lat 35°21'55", long, 86°02'48", Coffee County, Hydrologic Unit 06030003, 0.8 mi northwest of Duncantown.	*0.55	6-3-02 10-22-02	.04 .02	19.3 14.5	165 286
03578625 Brumalow Creek	Elk River to Tennessee River	Lat 35°21'23", long, 86°02'37", Coffee County, Hydrologic Unit 06030003, on unimproved road, 1.5 mi north of Old Brick Church Road, 2.1 mi north of Duncantown.	*0.90	6-3-02 10-22-02	.31 .18	20.0 15.0	134 198