

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 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORD.--WDR TN-02-1: 1997, 1999, 2001 (M).

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

REMARKS.--No estimated daily discharges. Records good. 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 10	2330	*5,390	*13.38	Feb 23	1115	2,920	12.18
Dec 20	0030	3,600	12.55	May 6	1915	3,230	12.36
Dec 25	1515	2,340	11.83	May 7	1945	2,870	12.15
Feb 15	1145	3,500	12.50	May 18	1230	4,530	12.97

Minimum discharge, 107 ft³/s, Sept. 19, 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	342	289	224	342	259	670	280	199	191	155	377	127
2	294	256	221	361	237	466	253	195	224	163	272	142
3	970	253	218	375	229	391	240	199	320	160	222	186
4	1,130	267	275	341	241	359	231	220	351	153	200	206
5	1,140	430	480	311	266	339	233	264	322	146	186	203
6	1,320	828	532	285	341	347	256	1,620	258	142	218	189
7	1,100	1,030	489	268	413	354	453	2,410	267	145	240	157
8	798	768	349	260	436	346	450	1,930	240	152	239	134
9	678	405	295	256	396	313	429	1,110	227	152	288	122
10	1,850	341	277	258	339	288	326	674	207	146	215	117
11	4,600	321	270	259	318	272	279	445	190	145	171	114
12	2,910	313	264	253	303	261	261	457	185	137	149	113
13	1,370	324	295	243	275	265	245	515	183	131	148	114
14	827	307	336	234	603	273	230	394	184	134	161	121
15	483	306	346	229	3,140	292	219	353	222	140	164	119
16	370	325	327	238	2,920	300	212	357	245	168	161	114
17	325	355	289	248	1,630	290	220	1,640	259	173	151	111
18	295	364	266	247	995	298	216	4,050	257	153	140	110
19	273	318	1,260	240	566	520	214	2,100	378	161	130	109
20	265	285	2,990	239	483	676	213	1,030	318	182	126	109
21	258	266	2,150	242	572	646	209	547	223	209	122	113
22	253	254	994	239	1,290	384	201	398	190	215	119	245
23	246	246	523	229	2,540	305	191	349	173	262	121	456
24	237	240	1,230	203	1,530	273	230	311	160	230	119	855
25	230	234	2,030	199	827	261	319	283	153	204	116	599
26	230	232	1,360	203	585	367	439	261	150	177	114	244
27	227	237	676	207	654	402	562	245	159	157	113	171
28	228	240	435	212	744	433	338	232	154	144	117	145
29	242	239	380	234	---	373	246	218	148	254	125	131
30	265	233	352	255	---	331	215	208	145	389	125	125
31	297	---	337	273	---	319	---	200	---	367	123	---
TOTAL	24,053	10,506	20,470	7,983	23,132	11,414	8,410	23,414	6,683	5,646	5,272	5,801
MEAN	776	350	660	258	826	368	280	755	223	182	170	193
MAX	4,600	1,030	2,990	375	3,140	676	562	4,050	378	389	377	855
MIN	227	232	218	199	229	261	191	195	145	131	113	109
CFSM	3.69	1.67	3.14	1.23	3.93	1.75	1.33	3.60	1.06	0.87	0.81	0.92
IN.	4.26	1.86	3.63	1.41	4.10	2.02	1.49	4.15	1.18	1.00	0.93	1.03

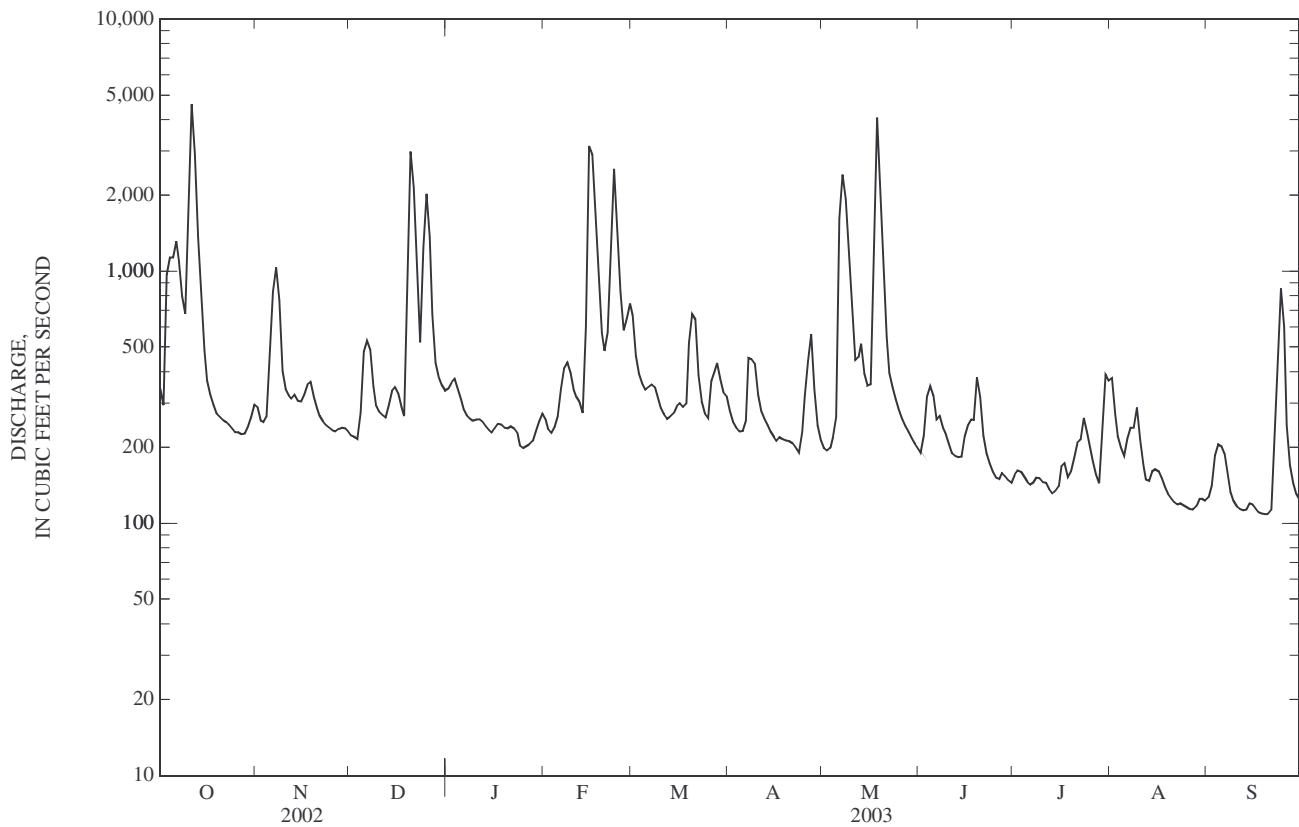
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	236	276	398	411	516	492	340	329	228	151	147	182
MAX	776	652	778	745	1,018	956	492	755	628	207	278	416
(WY)	(2003)	(2002)	(2002)	(1999)	(2001)	(1997)	(1998)	(2003)	(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)

07030392 WOLF RIVER AT LAGRANGE, TN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	150,940		152,784		309	
ANNUAL MEAN	414		419		419	
HIGHEST ANNUAL MEAN					159	
LOWEST ANNUAL MEAN					10,100	
HIGHEST DAILY MEAN	4,600	Oct 11	4,600	Oct 11	10,100	Feb 17, 2001
LOWEST DAILY MEAN	99	Sep 13	109	Sep 19	59	Sep 1, 2000
ANNUAL SEVEN-DAY MINIMUM	102	Sep 8	112	Sep 15	60	Aug 31, 2000
MAXIMUM PEAK FLOW			5,390	Oct 10	11,300	Nov 30, 2001
MAXIMUM PEAK STAGE			13.38	Oct 10	15.43	Nov 30, 2001
INSTANTANEOUS LOW FLOW			1.07	Sep 19	56	Sep 1, 2000
ANNUAL RUNOFF (CFSM)	1.97		1.99		1.47	
ANNUAL RUNOFF (INCHES)	26.74		27.06		19.99	
10 PERCENT EXCEEDS	980		810		576	
50 PERCENT EXCEEDS	249		259		192	
90 PERCENT EXCEEDS	129		142		90	

a Also occurred on Sept. 21.



07030392 WOLF RIVER AT LAGRANGE, TN—Continued

WATER-QUALITY DATA

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
NOV 07...	1000	1,040	--	773	8.6	75	6.1	31	10.0	10	12	1.99	1.8
DEC 04...	1500	270	16	762	10.9	88	6.5	36	6.5	--	--	2.56	1.2
JAN 15...	1200	228	11	773	12.3	93	6.6	32	4.5	10	12	2.21	1.4
FEB 04...	1330	241	21	766	10.5	91	6.7	34	9.5	12	14	1.93	1.6
MAR 05...	1130	339	19	766	10.3	92	7.0	33	11.0	9	10	1.93	2.1
MAY 06...	1515	1,730	310	767	6.0	65	5.9	28	20.0	7	8	0.86	1.2
JUL 01...	1700	158	19	759	7.3	85	6.2	42	22.5	14	17	2.26	0.7
SEP 08...	1200	133	20	766	7.7	86	6.4	40	21.0	13	16	2.35	0.7

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Suspended sediment concentration mg/L (80154)
NOV 07...	0.57	<0.04	0.10	<0.008	0.03	0.158	0.66	108
DEC 04...	0.18	<0.04	0.27	<0.008	E.01	0.043	0.45	71
JAN 15...	0.13	<0.04	0.33	<0.008	<0.02	0.028	0.47	77
FEB 04...	0.18	<0.04	0.28	<0.008	<0.02	0.033	0.46	62
MAR 05...	0.20	<0.04	0.26	<0.008	E.01	0.039	0.46	70
MAY 06...	1.2	E.02	0.22	E.004	E.01	0.40	1.4	225
JUL 01...	0.18	<0.04	0.29	<0.008	<0.02	0.046	0.47	31
SEP 08...	0.25	<0.04	0.23	<0.008	<0.02	0.056	0.48	35

E-Estimated

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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 upstream from Hurricane Creek, 0.4 mi north of Rossville, 5.0 miles downstream from Grissum Creek, and at mile 43.7.

DRAINAGE AREA.--503 mi².

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 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 2,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 10	1915	12,900	12.97	Feb 23	1530	5,150	10.64
Dec 20	1300	*13,900	*13.16	May 7	0900	12,100	12.80
Dec 24	1530	4,750	10.42	May 18	unknown	6,780	11.35
Feb 15	2000	11,300	12.64				

Minimum daily discharge, 222 ft³/s, July 16.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,210	329	e370	791	405	1,310	584	448	334	247	e1,650	278
2	2,030	338	e370	745	407	1,160	511	401	409	252	e986	294
3	1,120	369	e370	673	407	1,040	461	363	507	252	e714	357
4	1,330	399	e1,300	618	423	854	426	338	458	249	e655	357
5	1,700	918	e1,100	594	411	719	439	624	440	245	e484	340
6	1,940	1,230	e880	556	511	667	530	4,850	882	243	547	341
7	e2,170	940	776	511	949	608	1,890	10,800	1,580	241	793	339
8	2,130	935	742	478	765	567	1,510	6,850	953	242	789	333
9	1,930	1,040	712	457	694	545	1,190	e4,920	598	236	607	315
10	7,100	1,080	636	440	728	518	864	3,580	422	e240	416	296
11	10,900	991	566	413	696	479	724	2,650	384	e232	384	280
12	8,380	782	496	397	604	449	592	1,950	358	e230	360	270
13	e5,800	608	645	393	533	440	496	1,450	339	e230	331	276
14	e3,500	516	754	392	2,480	456	438	1,320	316	e240	330	331
15	e2,300	587	614	380	9,630	430	400	1,010	586	e230	309	300
16	1,740	703	553	388	8,870	421	375	1,010	577	222	294	287
17	1,140	613	536	417	6,050	428	398	e6,000	465	226	289	283
18	763	528	518	389	4,400	472	396	e5,500	423	243	281	280
19	593	510	5,300	381	2,940	926	370	e5,600	440	333	273	275
20	527	518	12,400	391	1,990	1,070	583	5,130	426	309	265	277
21	472	500	7,780	398	1,720	1,090	989	3,630	445	279	250	281
22	428	462	4,840	394	3,620	920	971	2,320	423	282	242	394
23	401	424	3,460	373	5,000	819	666	1,340	363	351	240	474
24	384	402	4,270	342	4,640	652	534	853	316	422	244	431
25	374	389	4,350	346	3,960	527	661	649	286	421	241	498
26	375	388	3,870	340	2,780	1,130	548	554	268	345	237	639
27	373	e390	3,010	334	2,000	869	503	485	357	382	249	720
28	358	e385	2,280	347	1,580	661	564	429	292	347	249	599
29	351	e380	1,450	387	---	1,100	633	395	264	557	243	451
30	335	e375	986	433	---	1,020	554	370	252	919	275	371
31	327	---	785	420	---	745	---	354	---	1,230	274	---
TOTAL	64,481	18,029	66,719	13,918	69,193	23,092	19,800	76,173	14,163	10,477	13,501	10,967
MEAN	2,080	601	2,152	449	2,471	745	660	2,457	472	338	436	366
MAX	10,900	1,230	12,400	791	9,630	1,310	1,890	10,800	1,580	1,230	1,650	720
MIN	327	329	370	334	405	421	370	338	252	222	237	270
CFSM	4.14	1.19	4.28	0.89	4.91	1.48	1.31	4.89	0.94	0.67	0.87	0.73
IN.	4.77	1.33	4.93	1.03	5.12	1.71	1.46	5.63	1.05	0.77	1.00	0.81

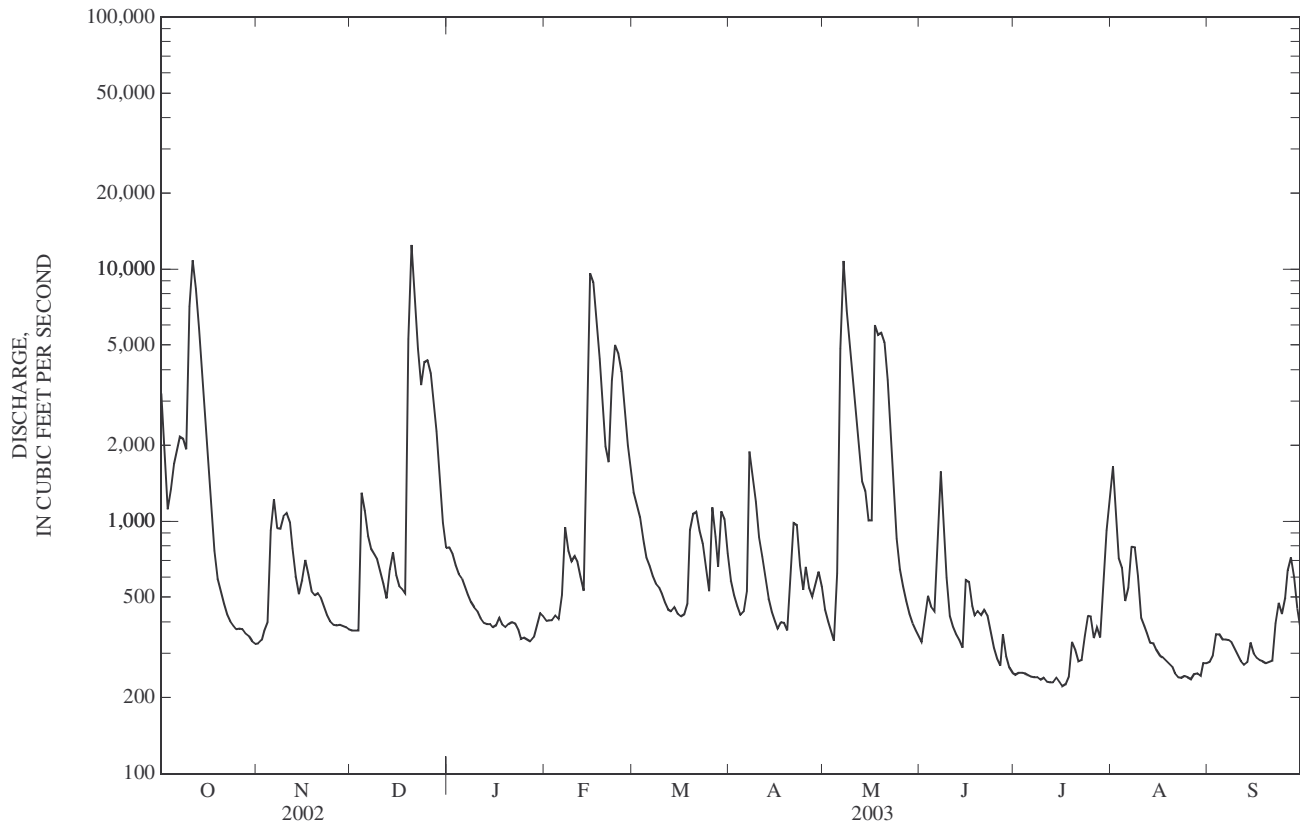
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

	305	539	826	1,168	1,296	1,103	894	659	418	350	258	314
MEAN	305	539	826	1,168	1,296	1,103	894	659	418	350	258	314
MAX	2,080	2,452	3,376	4,403	3,704	2,699	2,144	3,771	1,963	2,245	608	1,501
(WY)	(2003)	(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)

07030500 WOLF RIVER AT ROSSVILLE, TN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	435,510		400,513		678	
ANNUAL MEAN	1,193		1,097		277	
HIGHEST ANNUAL MEAN					1,269	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	12,400	Dec 20	12,400	Dec 20	31,000	Jan 21, 1935
LOWEST DAILY MEAN	231	Sep 13	222	Jul 16	100	Sep 16, 1942
ANNUAL SEVEN-DAY MINIMUM	235	Sep 8	230	Jul 11	105	Aug 27, 1943
MAXIMUM PEAK FLOW			13,900	Dec 20	40,000	Jan 20, 1935
MAXIMUM PEAK STAGE			13.16	Dec 20	13.75	Jan 20, 1935
INSTANTANEOUS LOW FLOW			216	Jul 17	100	Sep 16, 1942
ANNUAL RUNOFF (CFSM)	2.37		2.18		1.35	
ANNUAL RUNOFF (INCHES)	32.21		29.62		18.30	
10 PERCENT EXCEEDS	3,420		2,550		1,390	
50 PERCENT EXCEEDS	496		496		297	
90 PERCENT EXCEEDS	281		276		166	

e Estimated



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 mi².

WATER-DISCHARGE RECORDS

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 at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 10	1330	*18,500	*21.94	Feb 16	1415	15,700	20.31
Dec 21	0830	15,900	20.41	May 6	1115	10,900	17.09
Dec 24	0345	9,690	16.15	May 7	1500	15,700	20.33
Feb 14	1830	14,500	19.56	May 17	1145	11,700	17.62

Minimum daily discharge, 355 ft³/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,600	721	595	1,410	617	2,050	870	668	564	409	1,160	437
2	3,350	722	592	1,260	608	1,690	744	597	1,410	399	1,350	519
3	2,490	832	586	1,140	612	1,480	673	555	1,080	400	1,300	563
4	2,340	851	1,670	1,030	612	1,320	625	518	842	390	1,090	537
5	1,980	1,800	1,910	958	607	1,160	607	617	699	388	792	474
6	1,990	1,960	1,600	904	952	1,080	693	7,010	722	388	676	460
7	3,000	1,740	1,200	845	1,330	986	1,640	12,600	1,350	387	814	457
8	2,680	1,350	1,030	798	1,170	915	2,030	14,400	1,420	392	894	453
9	2,520	1,260	972	763	977	869	1,660	8,040	986	391	871	438
10	14,700	1,530	944	736	970	833	1,200	4,870	706	e390	698	418
11	16,300	1,640	879	705	924	794	933	4,540	609	e380	589	401
12	15,200	1,230	788	672	846	756	798	3,130	567	e380	559	385
13	9,540	1,040	1,450	654	758	737	684	2,320	512	e375	544	670
14	6,140	904	1,280	642	7,980	733	608	2,410	545	e485	507	607
15	4,330	1,130	1,090	630	11,900	719	563	1,860	1,250	449	487	436
16	3,190	1,150	896	652	15,300	694	530	1,940	1,390	385	462	394
17	2,440	1,050	815	654	11,300	687	538	8,400	1,120	372	445	376
18	1,760	942	777	640	6,610	702	536	7,820	702	382	435	369
19	1,420	861	10,300	609	4,680	1,210	508	6,760	762	433	424	364
20	1,210	824	11,500	609	3,690	1,300	1,050	5,620	669	584	415	355
21	1,080	806	15,200	618	3,340	1,280	2,040	4,750	600	464	405	e400
22	993	767	9,000	611	6,300	1,180	1,390	3,360	598	918	395	e450
23	925	729	5,470	e600	6,210	1,050	1,070	2,430	559	794	503	e510
24	886	694	7,420	e590	5,540	942	1,090	1,620	494	571	391	e490
25	847	666	5,510	e580	4,630	877	980	1,110	449	605	383	514
26	820	662	4,330	e560	4,080	1,520	878	917	438	580	393	587
27	803	640	3,680	e550	3,320	1,330	728	810	467	531	393	677
28	785	620	3,050	537	2,560	1,060	684	732	483	805	388	682
29	840	608	2,520	758	---	1,200	721	674	419	708	390	585
30	773	601	1,900	677	---	1,250	725	631	400	955	737	486
31	741	---	1,400	644	---	1,090	---	597	---	993	437	---
TOTAL	110,673	30,330	100,354	23,036	108,423	33,494	27,796	112,306	22,812	16,083	19,327	14,494
MEAN	3,570	1,011	3,237	743	3,872	1,080	927	3,623	760	519	623	483
MAX	16,300	1,960	15,200	1,410	15,300	2,050	2,040	14,400	1,420	993	1,350	682
MIN	741	601	586	537	607	687	508	518	400	372	383	355
CFSM	5.11	1.45	4.63	1.06	5.54	1.55	1.33	5.18	1.09	0.74	0.89	0.69
IN.	5.89	1.61	5.34	1.23	5.77	1.78	1.48	5.98	1.21	0.86	1.03	0.77

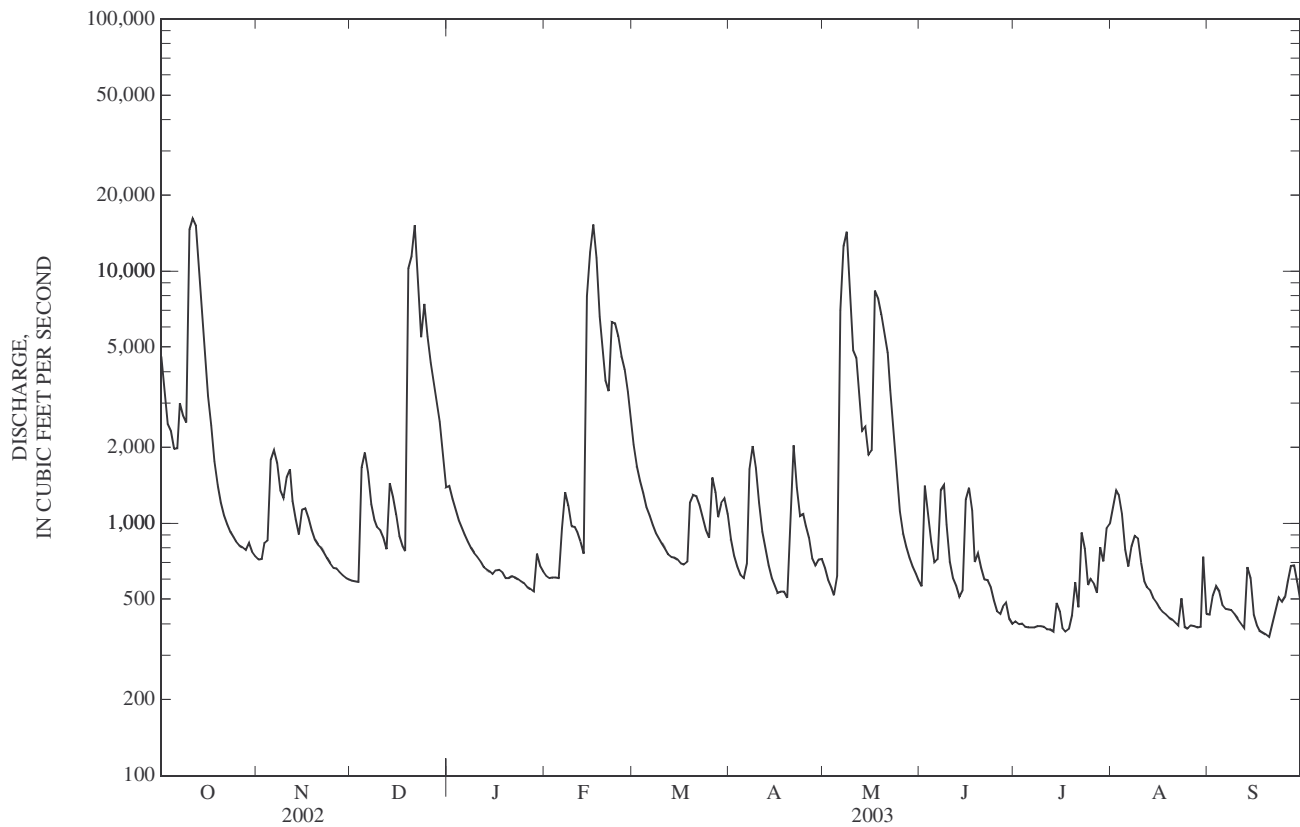
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2003, BY WATER YEAR (WY)

MEAN	558	775	1,615	1,357	1,435	1,730	1,508	1,298	775	460	450	495
MAX	3,570	1,991	5,200	3,504	3,872	4,854	4,805	4,542	1,986	985	1,199	1,753
(WY)	(2003)	(1980)	(2002)	(1974)	(2003)	(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)

07031650 WOLF RIVER AT GERMANTOWN, TN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1970 - 2003	
ANNUAL TOTAL	589,105		619,128		1,037	
ANNUAL MEAN	1,614		1,696		1,807	
HIGHEST ANNUAL MEAN					497	
LOWEST ANNUAL MEAN					30,400	
HIGHEST DAILY MEAN	16,300	Oct 11	16,300	Oct 11	196	Mar 14, 1975
LOWEST DAILY MEAN	268	Aug 12	355	Sep 20	199	Sep 15, 1972
ANNUAL SEVEN-DAY MINIMUM	302	Jul 5	385	Sep 15	199	Sep 12, 1972
MAXIMUM PEAK FLOW			18,500	Oct 10	33,400	Mar 14, 1975
MAXIMUM PEAK STAGE			21.94	Oct 10	27.98	Mar 14, 1975
INSTANTANEOUS LOW FLOW			349	Sep 20	176	Jul 29, 2000
ANNUAL RUNOFF (CFSM)	2.31		2.43		1.48	
ANNUAL RUNOFF (INCHES)	31.35		32.95		20.15	
10 PERCENT EXCEEDS	4,330		4,180		2,200	
50 PERCENT EXCEEDS	754		794		535	
90 PERCENT EXCEEDS	347		422		280	

e Estimated



WOLF RIVER BASIN

07031650 WOLF RIVER AT GERMANTOWN, TN

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)
OCT 29...	1230	898	68	17.5	140
DEC 11...	1145	833	56	--	53
MAR 21...	1500	1,260	53	15.5	106
APR 25...	1515	1,020	64	--	126
JUN 03...	1115	1,040	68	--	338
SEP 11...	1230	412	51	24.0	--

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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 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR TN-02-1: 1996-2001 (M).

GAGE.--Data collection platform. Datum of gage is 229.00 ft above NGVD of 1929 provided by Tennessee Department of Transportation.

REMARKS.--Records rated poor below 10 ft³/s and fair above 10 ft³/s. During high stages on the Wolf River gage heights are affected by backwater and discharges are shown as estimated. All estimated discharges are considered 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 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 10	0745	*11,400	*18.13	May 6	0630	6,540	13.59
Dec 19	0300	6,130	13.15	May 17	0130	5,020	11.91
Feb 14	1400	8,600	15.69				

Minimum discharge, 0.50 ft³/s, Sept. 30.

REVISION.--The maximum discharge for water year 1996 has been revised, as shown in the following table. The figure supersedes figure published in WDR-TN reports for 1996 and 2002.

Water Year 1996

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 9	0600	*6,220	*13.24

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	1.9	2.9	61	3.6	11	4.5	14	4.9	1.6	4.1	15
2	3.4	1.6	4.4	17	3.4	9.8	4.3	9.4	175	3.7	3.0	35
3	3.7	36	6.6	8.3	3.7	7.8	3.8	5.0	37	3.1	12	64
4	165	11	363	4.1	7.9	7.0	3.5	4.1	7.5	2.9	7.3	9.7
5	8.0	241	45	3.4	5.0	6.6	3.8	16	3.7	3.5	4.6	2.8
6	4.2	14	7.5	2.9	193	14	53	1,790	22	2.9	4.7	1.5
7	329	6.9	5.2	2.6	38	6.1	92	e300	7.2	20	4.1	1.1
8	8.2	5.1	3.8	2.5	8.6	5.0	9.3	e30	3.8	5.2	3.3	0.87
9	59	3.9	3.4	2.5	8.5	4.5	6.0	e14	3.0	1.8	2.8	0.70
10	e5,500	165	8.8	2.6	16	4.2	5.6	8.4	3.0	2.0	2.3	0.63
11	e225	33	5.8	3.0	7.1	4.4	4.3	126	36	2.6	2.0	0.59
12	e23	6.5	7.0	2.9	5.5	7.9	3.9	7.9	9.1	1.6	1.9	0.59
13	e9.0	4.8	183	2.9	5.5	29	3.6	5.7	4.0	11	4.6	281
14	e31	5.1	16	2.7	3,400	8.8	3.6	166	10	9.0	7.5	67
15	3.0	71	6.0	1.9	e450	5.5	3.5	12	24	2.0	3.8	3.6
16	e2.8	11	4.4	15	e75	5.0	3.6	239	13	1.5	3.1	1.5
17	e2.5	5.4	3.7	3.9	e50	4.9	8.7	2,680	6.5	1.3	2.9	1.2
18	e2.5	3.9	9.1	2.2	e39	8.4	4.0	e200	49	1.5	2.7	1.1
19	56	13	4,070	1.8	80	123	2.9	e20	27	1.4	2.4	1.0
20	9.5	5.6	e250	1.8	73	9.7	26	8.2	7.5	1.4	2.2	0.92
21	3.1	3.8	e46	2.0	261	7.2	37	46	4.1	1.4	2.2	172
22	2.2	3.0	e33	2.3	727	5.1	5.6	7.6	3.5	405	2.2	201
23	1.8	2.9	e230	1.8	92	4.2	3.6	5.9	3.3	154	534	4.3
24	1.6	2.9	e410	1.5	38	3.9	142	4.8	2.9	6.4	5.7	2.1
25	1.5	3.8	19	1.4	27	63	15	5.9	2.1	3.4	3.0	1.1
26	2.7	8.9	7.9	1.6	99	103	11	6.1	2.1	2.5	2.5	0.87
27	2.1	4.4	5.8	2.1	44	9.3	5.8	4.8	4.7	2.1	4.2	0.73
28	2.0	3.0	4.8	2.7	20	7.7	4.2	4.5	2.8	2.0	1.8	0.62
29	45	2.6	3.8	93	---	30	4.2	4.6	2.1	168	1.4	0.55
30	4.6	2.5	33	8.7	---	e7.0	3.5	4.6	1.8	14	71	0.54
31	2.6	---	13	4.5	---	5.2	---	5.1	---	5.7	14	---
TOTAL	6,517.5	683.5	5,811.9	266.6	5,780.8	528.2	481.8	5,755.6	482.6	844.5	723.3	873.61
MEAN	210	22.8	187	8.60	206	17.0	16.1	186	16.1	27.2	23.3	29.1
MAX	5,500	241	4,070	93	3,400	123	142	2,680	175	405	534	281
MIN	1.5	1.6	2.9	1.4	3.4	3.9	2.9	4.1	1.8	1.3	1.4	0.54
CFSM	6.89	0.75	6.15	0.28	6.77	0.56	0.53	6.09	0.53	0.89	0.76	0.95
IN.	7.95	0.83	7.09	0.33	7.05	0.64	0.59	7.02	0.59	1.03	0.88	1.07

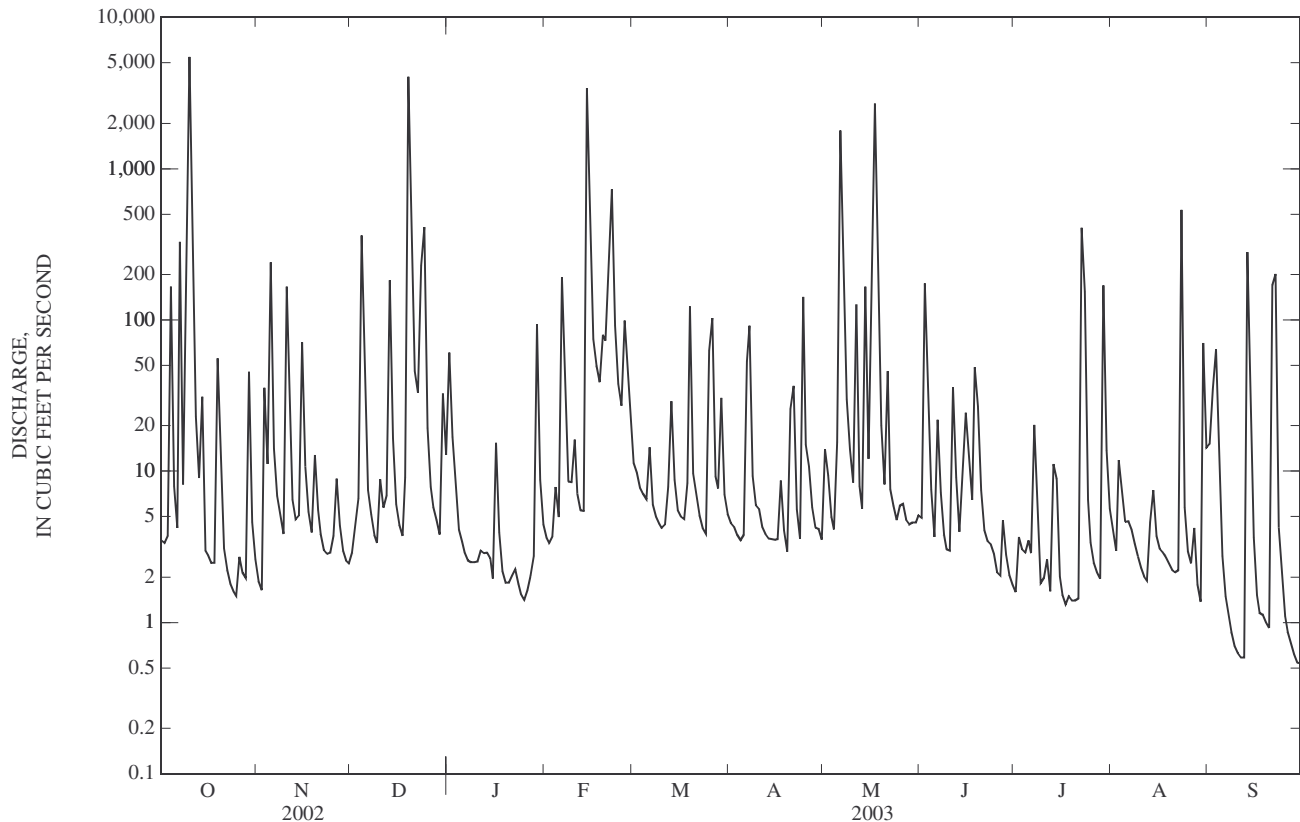
07031692 FLETCHER CREEK AT SYCAMORE VIEW ROAD AT MEMPHIS, TN—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)												
MEAN	65.1	90.0	115	38.8	87.0	135	57.1	62.9	39.7	31.1	25.8	51.1
MAX	210	357	388	70.0	206	357	131	186	99.2	56.5	79.4	168
(WY)	(2003)	(2002)	(2002)	(1998)	(2003)	(1997)	(1999)	(2003)	(1996)	(1998)	(1998)	(2002)
MIN	3.75	6.32	21.3	5.71	13.5	17.0	12.8	23.2	9.24	19.7	3.46	5.45
(WY)	(2001)	(1998)	(1998)	(2000)	(1999)	(2003)	(1996)	(1998)	(1998)	(2000)	(1996)	(2000)
SUMMARY STATISTICS												
	FOR 2002 CALENDAR YEAR					FOR 2003 WATER YEAR				WATER YEARS 1996 - 2003		
ANNUAL TOTAL	34,274.88					28,749.91				65.0		
ANNUAL MEAN	93.9					78.8				130		
HIGHEST ANNUAL MEAN										30.2		
LOWEST ANNUAL MEAN										0.00		
HIGHEST DAILY MEAN	5,500					5,500				5,950		
LOWEST DAILY MEAN	0.82					0.54				0.00		
ANNUAL SEVEN-DAY MINIMUM	1.1					0.85				0.01		
MAXIMUM PEAK FLOW						11,400				12,500		
MAXIMUM PEAK STAGE						18.13				18.99		
INSTANTANEOUS LOW FLOW						0.50				a0.00		
ANNUAL RUNOFF (CFSM)	3.08					2.58				2.13		
ANNUAL RUNOFF (INCHES)	41.80					35.07				28.97		
10 PERCENT EXCEEDS	130					95				103		
50 PERCENT EXCEEDS	5.8					5.0				4.3		
90 PERCENT EXCEEDS	2.6					1.8				0.28		

a Many days most years.

e Estimated



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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
NOV 06...	1600	16	120	773	9.4	86	6.9	78	12.0	E94	E115	2.07	4.6
DEC 04...	1300	670	260	766	12.5	97	7.2	76	5.0	--	--	3.04	6.1
JAN 15...	1400	2.0	38	771	12.3	94	7.2	180	4.5	60	73	7.62	15.2
FEB 04...	1600	7.1	74	768	10.9	92	7.4	158	8.5	48	59	6.84	13.5
MAR 05...	0945	6.0	31	767	11.5	96	7.4	207	8.0	E60	E73	13.5	18.7
APR 09...	1400	5.7	48	755	5.9	57	7.4	128	13.5	47	58	3.82	6.8
MAY 06...	1215	1,390	440	765	6.8	76	6.8	71	21.0	21	26	2.26	3.8
JUN 11...	1200	2.8	31	762	8.0	98	7.4	115	25.5	E36	E44	3.62	5.1
JUL 02...	0730	4.3	22	758	5.2	65	7.1	154	26.0	61	74	4.87	5.8
SEP 08...	1000	1.3	91	760	2.2	26	6.2	105	24.0	34	42	2.80	4.0

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)
NOV 06...	1.0	0.09	--	0.42	E.007	0.18	0.40	1.5	<0.006	E.008	<0.006	<0.004	<0.005
DEC 04...	1.2	0.20	0.68	0.69	0.011	0.48	0.87	1.9	--	--	--	--	--
JAN 15...	0.57	<0.04	--	0.42	E.007	0.04	0.181	0.99	<0.006	E.008	<0.006	<0.004	<0.005
FEB 04...	0.74	E.03	0.83	0.85	0.019	0.08	0.26	1.6	<0.006	E.064	<0.006	<0.004	<0.005
MAR 05...	0.49	E.03	0.53	0.54	0.011	0.03	0.147	1.0	<0.006	E.103	<0.006	<0.004	<0.005
APR 09...	0.98	0.15	0.76	0.80	0.036	0.07	0.21	1.8	<0.006	E.487	0.008	<0.004	<0.005
MAY 06...	1.5	0.23	0.56	0.58	0.023	0.17	0.50	2.1	<0.006	E.099	<0.006	<0.004	<0.005
JUN 11...	0.90	<0.04	0.33	0.36	0.026	0.02	0.145	1.3	<0.006	E.029	<0.006	<0.004	<0.005
JUL 02...	0.95	0.05	--	E.04	<0.008	E.02	0.122	--	<0.006	E.026	<0.006	<0.004	<0.005
SEP 08...	1.2	0.06	0.30	0.33	0.031	0.10	0.32	1.5	<0.006	E.007	<0.006	<0.004	<0.005
E-Estimated													

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)
NOV 06...	<0.080	<0.050	<0.010	<0.002	E.070	<0.020	<0.005	<0.006	<0.018	<0.003	0.015	<0.005	<0.02
DEC 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	0.034	<0.050	<0.010	<0.002	E.010	<0.020	<0.005	<0.006	<0.018	<0.003	<0.030	<0.005	<0.02
FEB 04...	7.36	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02
MAR 05...	2.24	<0.050	<0.010	<0.002	E.006	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02
APR 09...	3.68	<0.050	<0.010	<0.002	E.306	<0.020	<0.005	<0.006	<0.018	<0.003	0.169	<0.005	<0.02
MAY 06...	0.629	<0.050	<0.010	<0.002	E.180	<0.020	0.012	<0.006	<0.018	<0.003	0.265	<0.005	<0.02
JUN 11...	0.134	<0.050	<0.010	<0.002	E.052	<0.020	<0.005	<0.006	<0.018	<0.003	0.067	<0.005	<0.02
JUL 02...	0.083	<0.050	<0.010	<0.002	E.012	<0.020	<0.005	<0.006	<0.018	<0.003	E.025	<0.005	<0.02
SEP 08...	0.043	<0.050	<0.010	<0.002	E.027	<0.020	0.008	<0.006	<0.018	<0.003	0.038	<0.005	<0.02
Date	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)
NOV 06...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	E.010	<0.006	E.010	<0.006	<0.002	<0.007	<0.003
DEC 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	E.007	<0.006	<0.002	<0.007	<0.003
FEB 04...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	E.008	<0.006	<0.002	<0.007	<0.003
MAR 05...	<0.002	<0.009	<0.005	<0.003	<0.025	<0.035	<0.027	<0.006	E.009	<0.006	<0.002	<0.007	<0.003
APR 09...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.200	0.029	<0.006	<0.002	<0.007	<0.003
MAY 06...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	0.034	<0.006	0.022	<0.006	<0.002	<0.007	<0.003
JUN 11...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.014	<0.006	<0.002	<0.007	<0.003
JUL 02...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	E.006	0.008	<0.002	<0.007	<0.003
SEP 08...	<0.002	<0.009	<0.005	<0.003	<0.004	<0.035	0.043	<0.006	0.018	<0.010	<0.002	<0.007	<0.003

E- Estimated

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)
NOV 06...	<0.010	<0.004	<0.022	<0.011	0.07	0.028	<0.010	<0.011	<0.02	16.2	<0.02	<0.034	<0.02
DEC 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	<0.010	<0.004	<0.022	<0.011	E.01	1.12	<0.010	<0.011	<0.02	4.85	<0.02	<0.034	<0.02
FEB 04...	<0.010	<0.004	<0.022	<0.011	E.01	0.418	<0.010	<0.011	<0.02	13.9	<0.02	<0.034	<0.02
MAR 05...	<0.010	<0.004	<0.022	<0.011	E.01	0.326	<0.010	<0.011	<0.02	4.10	E.01	<0.034	<0.02
APR 09...	<0.010	<0.004	<0.022	<0.011	0.03	0.192	<0.010	<0.011	<0.02	6.32	0.02	<0.034	<0.02
MAY 06...	<0.010	<0.004	0.194	<0.011	0.03	0.094	<0.010	<0.011	<0.02	2.95	<0.02	<0.034	<0.02
JUN 11...	<0.010	<0.004	<0.022	<0.011	0.23	<0.004	<0.010	<0.011	<0.02	0.444	<0.02	<0.034	<0.02
JUL 02...	<0.010	<0.004	<0.022	<0.011	0.17	E.031	<0.010	<0.011	<0.02	0.471	<0.02	<0.034	<0.02
SEP 08...	<0.010	<0.004	E.012	<0.011	0.06	<0.020	<0.010	<0.011	<0.02	0.118	<0.02	<0.034	<0.02

Date	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV 06...	<0.005	<0.002	<0.009	149
DEC 04...	--	--	--	434
JAN 15...	<0.005	<0.002	<0.009	87
FEB 04...	<0.005	<0.002	<0.009	113
MAR 05...	<0.005	<0.002	<0.009	90
APR 09...	<0.005	<0.002	E.008	103
MAY 06...	<0.005	<0.002	<0.009	209
JUN 11...	<0.005	<0.002	<0.009	45
JUL 02...	<0.005	<0.002	<0.009	45
SEP 08...	<0.005	<0.002	<0.009	81

E- Estimated

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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 mi².

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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,800 ft³/s, Oct. 11, gage height, 33.41 ft; minimum daily discharge, 351 ft³/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4,700	e760	e598	1,790	634	e2,400	1,080	720	e740	e430	1,160	493
2	e3,750	e750	e595	1,560	611	e1,900	854	664	e1,500	e420	1,410	481
3	e2,700	e840	e590	1,370	615	e1,600	741	563	e1,300	e410	1,460	786
4	e2,500	e820	2,000	1,170	636	e1,400	683	521	e1,200	e410	1,540	750
5	e2,150	e1,850	2,610	1,060	615	e1,300	649	606	1,050	e405	860	490
6	e2,250	e2,000	1,830	995	1,200	e1,200	796	7,100	1,000	e405	681	e460
7	e3,300	1,900	1,350	925	1,880	e1,100	1,890	10,800	1,530	e400	684	e450
8	e2,700	1,410	1,060	866	1,380	e1,000	2,350	13,800	2,000	e400	864	e425
9	e2,550	1,200	949	815	1,140	e920	2,150	11,400	1,540	e400	894	e425
10	e16,000	1,340	929	776	1,080	e890	1,550	7,870	1,040	e395	753	e410
11	e17,000	2,200	874	745	1,020	e860	1,130	e7,000	877	e390	580	391
12	e16,000	1,300	772	711	925	e840	905	e4,500	848	e400	524	375
13	e9,500	1,040	1,790	685	809	e810	756	e2,500	682	e400	525	962
14	e6,200	844	1,590	669	7,910	e800	657	e2,800	863	664	504	1,260
15	e4,500	1,160	1,210	655	13,400	e790	603	e2,300	1,870	564	481	477
16	e3,150	1,200	953	725	13,600	e780	564	e3,000	e2,000	e420	e475	404
17	e2,500	1,040	810	686	12,400	780	596	e8,300	e1,400	e390	e460	375
18	e2,000	921	814	639	7,790	782	621	e8,300	e1,000	e420	e450	362
19	e1,500	874	12,100	631	5,850	1,640	621	e7,400	e1,100	e500	e430	356
20	e1,300	e830	11,500	615	5,040	1,550	620	e6,300	e850	574	e420	351
21	e1,190	e800	13,600	621	5,120	1,590	2,550	e5,500	e700	520	e405	524
22	e1,100	e775	12,500	624	9,410	1,490	1,790	e4,200	e750	1,690	e400	1,830
23	e980	e745	7,390	607	e8,000	1,300	1,250	e2,200	e760	1,720	1,630	661
24	e950	e700	10,700	575	e6,000	1,160	1,570	e2,300	e650	665	e400	563
25	e930	e685	7,160	555	e5,000	1,040	1,190	e1,400	e550	591	e400	513
26	e870	e690	5,410	555	e4,400	2,180	981	e1,100	e500	606	e390	535
27	e830	e650	4,580	549	e3,800	1,700	772	e920	e540	540	e390	628
28	e810	e615	3,870	547	e3,100	1,390	664	e740	e540	748	e390	688
29	e870	e604	3,220	923	---	1,410	675	e680	e460	1,140	e400	624
30	e820	e600	2,610	816	---	1,480	721	e650	e440	1,110	e704	521
31	e780	---	1,860	664	---	1,370	---	e620	---	1,080	771	---
TOTAL	116,380	31,143	117,824	25,124	123,365	39,452	31,979	126,754	30,280	19,207	21,435	17,570
MEAN	3,754	1,038	3,801	810	4,406	1,273	1,066	4,089	1,009	620	691	586
MAX	17,000	2,200	13,600	1,790	13,600	2,400	2,550	13,800	2,000	1,720	1,630	1,830
MIN	780	600	590	547	611	780	564	521	440	390	390	351
CFSM	4.76	1.32	4.82	1.03	5.59	1.62	1.35	5.19	1.28	0.79	0.88	0.74
IN.	5.49	1.47	5.56	1.19	5.82	1.86	1.51	5.98	1.43	0.91	1.01	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

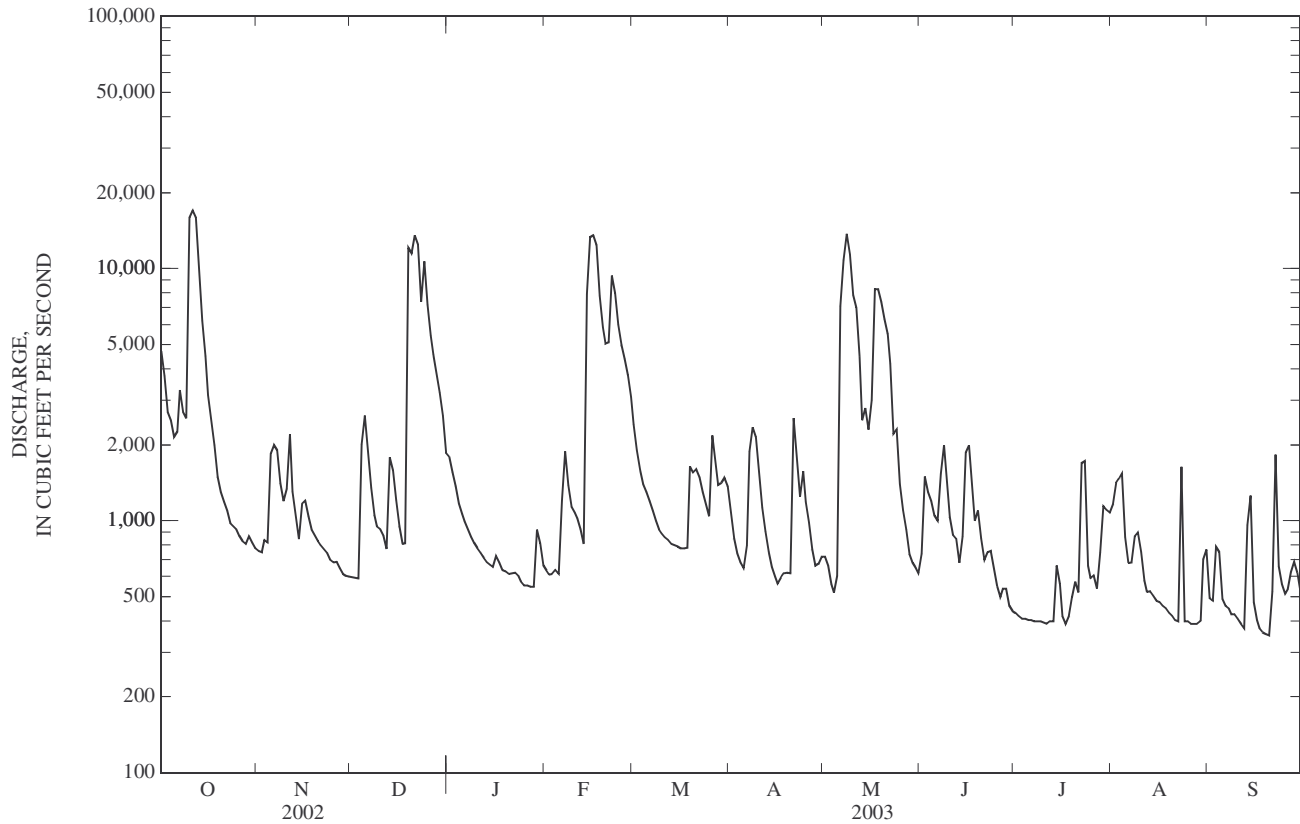
MEAN	1,175	909	1,976	1,417	2,195	2,472	1,248	1,563	855	629	725	777
MAX	3,754	1,755	5,792	2,375	4,406	4,847	1,994	4,089	2,211	858	1,468	2,276
(WY)	(2003)	(1997)	(2002)	(1999)	(2003)	(1997)	(1999)	(2003)	(1997)	(1997)	(1998)	(2002)
MIN	248	348	573	452	554	1,038	733	589	452	391	334	268
(WY)	(2001)	(2000)	(2001)	(2000)	(1995)	(2001)	(1995)	(2000)	(2002)	(2001)	(2000)	(2000)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	679,100		700,513		1,367	
ANNUAL MEAN	1,861		1,919		1,919	
HIGHEST ANNUAL MEAN					616	
LOWEST ANNUAL MEAN					a27,000	
HIGHEST DAILY MEAN	17,000	Mar 18	17,000	Oct 11	27,000	Dec 1, 2001
LOWEST DAILY MEAN	190	May 26	351	Sep 20	190	May 26, 2002
ANNUAL SEVEN-DAY MINIMUM	209	May 21	398	Jul 7	209	May 21, 2002
ANNUAL RUNOFF (CFSM)	2.36		2.44		1.73	
ANNUAL RUNOFF (INCHES)	32.06		33.07		23.56	
10 PERCENT EXCEEDS	4,640		4,820		3,050	
50 PERCENT EXCEEDS	830		870		665	
90 PERCENT EXCEEDS	346		436		312	

a Occurred during period of estimated record.

e Estimated



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 mi².

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.--Data collection platform. Datum of gage is 262.92 ft above NGVD of 1929, (from levels by National Resources Conservation Service).

REMARKS.--No estimated daily discharges. Records 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 3,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 10	0945	*14,600	*23.87	May 6	1000	8,700	18.88
Dec 19	1300	9,400	19.54	May 14	0400	4,500	14.68
Feb 14	1945	6,180	16.44	May 17	0915	7,800	18.00
Apr 20	1730	4,420	14.59				

Minimum discharge, 0.77 ft³/s, Nov. 2, Sept. 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	1.2	3.0	89	4.3	63	9.1	46	1.7	6.0	8.3	18
2	14	2.7	3.2	76	4.0	37	6.6	19	555	3.3	62	49
3	5.2	107	3.7	55	5.2	22	4.8	4.3	151	2.8	535	79
4	665	42	821	30	7.1	14	4.5	3.1	28	3.1	212	25
5	104	990	444	17	3.7	17	3.5	643	8.6	3.0	32	3.7
6	15	291	87	10	339	37	112	4,470	72	5.5	11	1.8
7	756	45	28	7.8	288	16	990	1,650	176	3.6	6.5	1.6
8	70	14	13	7.6	65	9.4	151	305	31	3.1	4.3	1.6
9	230	8.2	7.4	7.1	37	6.2	34	72	8.3	3.7	3.9	1.8
10	9,590	129	25	7.9	57	3.8	16	30	4.9	3.4	4.1	1.6
11	1,090	56	22	4.9	35	3.2	9.0	612	22	2.3	3.5	1.8
12	122	7.7	14	4.3	19	4.5	6.3	100	16	1.4	2.1	2.4
13	49	3.9	682	4.5	12	13	4.6	31	4.1	144	16	317
14	340	4.0	226	3.2	3,430	6.7	3.6	1,700	114	129	8.2	77
15	47	259	62	2.8	2,450	3.5	3.2	287	1,160	14	2.9	11
16	15	86	26	28	856	4.2	7.3	772	523	5.2	2.5	4.5
17	10	20	17	11	211	3.8	81	4,410	220	3.9	2.9	12
18	7.7	9.7	15	4.4	79	4.6	8.0	818	236	2.5	2.8	4.7
19	51	22	6,460	3.4	239	275	3.3	151	465	2.2	2.7	2.1
20	21	17	1,190	3.6	466	60	783	59	116	1.9	2.3	1.3
21	6.4	11	155	3.6	896	19	223	33	28	5.6	2.2	72
22	2.7	6.6	70	2.8	2,540	7.9	24	19	12	71	2.1	359
23	2.5	4.1	559	2.0	728	4.8	8.0	11	7.5	172	36	37
24	2.5	6.9	1,970	1.3	197	3.3	485	7.1	5.4	10	4.7	9.3
25	2.3	7.2	317	1.4	91	224	132	11	4.2	4.9	2.0	4.4
26	4.3	19	90	1.5	373	1,010	32	8.0	176	3.9	2.1	2.9
27	5.7	15	47	1.4	380	139	12	4.3	89	3.3	2.6	1.9
28	9.1	9.1	29	2.6	143	73	6.3	3.7	9.0	2.7	1.6	1.1
29	39	4.7	20	33	---	253	4.5	3.6	4.9	85	3.2	1.0
30	8.4	3.6	28	10	---	66	4.2	4.0	3.5	138	116	1.5
31	2.3	---	31	5.3	---	20	---	2.5	---	20	14	---
TOTAL	13,303.1	2,202.6	13,465.3	442.4	13,955.3	2,423.9	3,171.8	16,289.6	4,252.1	860.3	1,111.5	1,107.0
MEAN	429	73.4	434	14.3	498	78.2	106	525	142	27.8	35.9	36.9
MAX	9,590	990	6,460	89	3,430	1,010	990	4,470	1,160	172	535	359
MIN	2.3	1.2	3.0	1.3	3.7	3.2	3.2	2.5	1.7	1.4	1.6	1.0
CFSM	6.29	1.08	6.37	0.21	7.31	1.15	1.55	7.70	2.08	0.41	0.53	0.54
IN.	7.26	1.20	7.34	0.24	7.61	1.32	1.73	8.89	2.32	0.47	0.61	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2003, BY WATER YEAR (WY)

	33.3	102	182	152	198	207	177	123	64.2	42.6	19.7	30.3
MEAN	429	418	616	531	604	659	834	525	300	354	91.9	232
(WY)	(2003)	(2002)	(1983)	(1974)	(1989)	(1980)	(1991)	(2003)	(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)

07032200 NONCONNAH CREEK NEAR GERMANTOWN, TN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1970 - 2003	
ANNUAL TOTAL	67,721.95		72,584.9		111	
ANNUAL MEAN	186		199		215	
HIGHEST ANNUAL MEAN					22.4	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	9,590	Oct 10	9,590	Oct 10	9,590	Oct 10, 2002
LOWEST DAILY MEAN	0.72	Sep 14	1.0	Sep 29	0.00	Oct 1, 1969
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 3	1.8	Sep 6	0.00	Oct 1, 1969
MAXIMUM PEAK FLOW			14,600	Oct 10	14,600	Oct 10, 2002
MAXIMUM PEAK STAGE			23.87	Oct 10	27.11	Mar 12, 1975
INSTANTANEOUS LOW FLOW			a0.77	Nov 2	b0.00	Oct 1, 1969
ANNUAL RUNOFF (CFSM)	2.72		2.92		1.63	
ANNUAL RUNOFF (INCHES)	36.94		39.59		22.16	
10 PERCENT EXCEEDS	400		406		207	
50 PERCENT EXCEEDS	14		12		5.5	
90 PERCENT EXCEEDS	1.7		2.5		0.17	

a Also occurred Sept. 29.

b May occur many days most years.

