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.

WATER-DISCHARGE RECORDS

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 ft higher.

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 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 20	0715	*5,020	*20.39	Feb 23	0545	1,950	18.45
Feb 15	1915	3,100	19.28	May 6	0800	2,530	18.89

Minimum daily discharge, 31 ft^3/s, Sept. 16, 17.

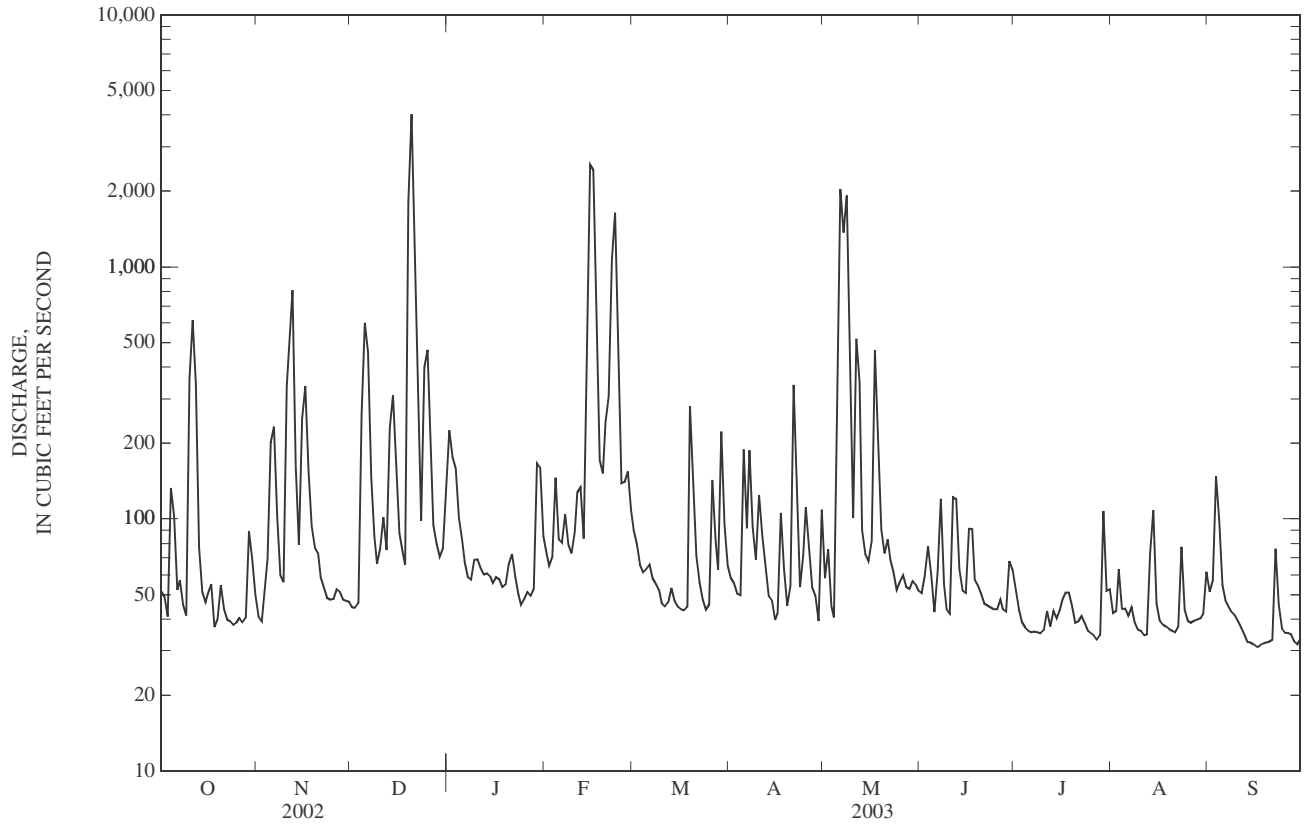
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	41	45	225	73	91	58	58	e51	e53	43	51
2	49	39	44	177	66	80	55	76	e60	e44	43	57
3	41	51	46	159	71	66	51	45	e78	e39	63	147
4	133	69	263	101	146	61	50	41	e60	37	44	98
5	103	202	598	83	83	63	188	639	43	36	44	55
6	53	233	458	68	81	66	92	2,040	62	36	42	47
7	57	103	147	59	105	58	187	1,370	120	36	45	45
8	46	60	84	58	79	55	93	1,920	55	36	39	43
9	41	56	67	69	73	52	69	544	44	35	37	42
10	358	337	77	69	89	46	124	101	42	36	36	40
11	614	553	101	64	127	45	86	519	122	43	35	37
12	343	809	75	60	134	47	65	351	120	38	35	35
13	77	163	230	61	84	53	50	90	63	43	73	33
14	51	79	311	59	664	48	48	73	52	41	108	32
15	47	250	151	56	2,540	45	40	68	51	44	46	32
16	51	337	88	59	2,430	44	42	82	92	48	40	31
17	55	156	75	58	993	43	106	467	91	51	38	31
18	37	94	66	54	171	45	63	174	58	51	38	32
19	40	77	1,810	55	152	281	45	91	55	45	37	32
20	55	73	4,030	67	241	143	54	73	51	39	36	33
21	44	59	1,350	73	306	72	340	83	46	39	36	33
22	40	54	282	59	1,060	56	119	70	46	41	38	76
23	39	49	98	50	1,640	48	54	62	45	39	78	46
24	38	48	401	46	571	44	72	52	44	36	44	37
25	39	48	470	48	139	46	112	57	44	35	40	35
26	40	53	193	51	141	142	80	e60	e48	35	39	35
27	39	51	95	50	155	83	54	e54	e44	33	40	35
28	41	48	80	53	108	63	50	e53	e43	35	40	33
29	89	48	71	167	---	222	39	e57	e68	107	41	32
30	70	47	77	160	---	94	109	e55	e63	52	42	33
31	50	---	126	86	---	66	---	e52	---	53	62	---
TOTAL	2,832	4,287	12,009	2,504	12,522	2,368	2,595	9,477	1,861	1,336	1,422	1,348
MEAN	91.4	143	387	80.8	447	76.4	86.5	306	62.0	43.1	45.9	44.9
MAX	614	809	4,030	225	2,540	281	340	2,040	122	107	108	147
MIN	37	39	44	46	66	43	39	41	42	33	35	31
CFSM	1.56	2.44	6.61	1.38	7.63	1.30	1.48	5.22	1.06	0.74	0.78	0.77
IN.	1.80	2.72	7.62	1.59	7.95	1.50	1.65	6.02	1.18	0.85	0.90	0.86
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)												
MEAN	63.3	173	180	144	228	176	81.8	137	63.2	63.6	59.0	94.6
MAX	91.4	454	387	264	447	381	96.4	306	96.8	86.9	120	322
(WY)	(2003)	(2002)	(2003)	(1994)	(2003)	(1994)	(2002)	(2003)	(1994)	(1994)	(1995)	(2002)
MIN	43.1	77.8	68.1	67.6	82.4	76.4	61.4	70.5	32.0	34.9	40.2	30.5
(WY)	(1994)	(1994)	(2001)	(2001)	(2002)	(2003)	(1995)	(2001)	(2002)	(2002)	(2002)	(2001)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	51,517		54,561			
ANNUAL MEAN	141		149		132	
HIGHEST ANNUAL MEAN					160	2002
LOWEST ANNUAL MEAN					86.0	1995
HIGHEST DAILY MEAN	5,940	Sep 27	4,030	Dec 20	5,940	Sep 27, 2002
LOWEST DAILY MEAN	20	Jul 7	31	Sep 16	20	Jul 7, 2002
ANNUAL SEVEN-DAY MINIMUM	22	Sep 1	32	Sep 13	22	Sep 1, 2002
MAXIMUM PEAK FLOW			5,020	Dec 20	a8,350	Sep 9, 1970
MAXIMUM PEAK STAGE			20.39	Dec 20	b15.20	Sep 13, 1982
INSTANTANEOUS LOW FLOW					18	Jul 9, 1993
ANNUAL RUNOFF (CFSM)	2.41		2.55		2.25	
ANNUAL RUNOFF (INCHES)	32.70		34.64		30.56	
10 PERCENT EXCEEDS	277		245		243	
50 PERCENT EXCEEDS	55		57		55	
90 PERCENT EXCEEDS	26		37		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 mile upstream of present location and at datum 14.2 ft higher than present datum.
e Estimated



07024305 BEAVER CREEK AT HIGHWAY 22 BYPASS NEAR HUNTINGDON, TN

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

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)
OCT					
30...	1500	58	92	--	24
DEC					
05...	1530	577	78	--	75
APR					
03...	1115	52	78	17.0	29
MAY					
06...	1550	1,910	51	22.0	--

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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 current year. 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 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 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)
Oct 10	1445	3,880	12.16	Feb 25	0300	4,650	13.28
Dec 22	1930	*6,830	*15.35	May 11	0700	5,270	14.07
Feb 18	0100	6,540	15.16	May 17	0530	3,240	10.87

Minimum discharge, 154 ft^3/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	5,670	e240	215	1,250	532	922	593	344	266	230	376	e290
2	3,400	e240	208	1,130	512	793	516	347	265	242	450	e400
3	1,080	e320	203	1,120	488	696	465	333	275	224	401	e470
4	671	e400	774	931	551	632	434	313	273	212	346	435
5	542	e520	815	804	520	590	483	2,040	264	205	332	441
6	492	568	840	676	560	562	720	3,770	252	203	826	485
7	456	597	1,020	576	575	542	933	3,960	249	200	498	398
8	388	657	815	527	529	523	753	4,220	292	198	338	303
9	351	584	583	495	502	493	691	4,870	281	194	284	234
10	1,960	768	450	464	512	473	632	4,920	257	191	260	203
11	1,430	1,020	394	433	603	448	585	5,130	261	190	237	186
12	1,250	1,190	356	407	609	429	e540	4,510	300	193	219	177
13	1,320	1,210	681	393	564	422	e500	3,080	361	213	214	172
14	1,030	1,020	738	382	3,090	423	456	1,770	377	206	221	170
15	714	791	700	363	4,680	421	414	1,090	326	215	250	167
16	532	691	729	354	5,150	416	379	800	1,140	221	256	162
17	426	639	607	351	6,050	408	386	2,860	995	210	241	159
18	361	610	490	337	6,300	409	403	2,430	864	200	218	158
19	325	523	4,280	333	5,450	1,150	402	1,860	918	195	203	157
20	312	460	5,080	350	3,330	968	520	1,320	748	193	197	155
21	293	389	5,380	368	1,950	923	582	985	556	195	191	157
22	277	e330	6,440	361	4,140	764	561	754	427	197	186	190
23	261	e300	5,910	347	4,290	630	588	606	346	200	e230	201
24	251	e270	4,180	319	4,410	543	522	508	296	197	e210	206
25	246	e250	2,000	313	4,450	519	516	444	265	192	e200	194
26	244	241	1,400	313	3,090	641	503	400	251	189	e195	181
27	238	233	1,130	308	1,460	552	462	358	267	185	e190	174
28	238	228	872	315	1,100	549	418	328	239	188	e185	168
29	255	226	710	404	---	625	378	317	230	530	e185	162
30	262	221	671	463	---	660	345	296	218	322	e290	158
31	e250	---	1,210	488	---	680	---	279	---	329	e240	---
TOTAL	25,525	15,736	49,881	15,675	65,997	18,806	15,680	55,242	12,059	6,859	8,669	7,113
MEAN	823	525	1,609	506	2,357	607	523	1,782	402	221	280	237
MAX	5,670	1,210	6,440	1,250	6,300	1,150	933	5,130	1,140	530	826	485
MIN	238	221	203	308	488	408	345	279	218	185	185	155
CFSM	2.15	1.37	4.20	1.32	6.15	1.58	1.36	4.65	1.05	0.58	0.73	0.62
IN.	2.48	1.53	4.84	1.52	6.41	1.83	1.52	5.37	1.17	0.67	0.84	0.69

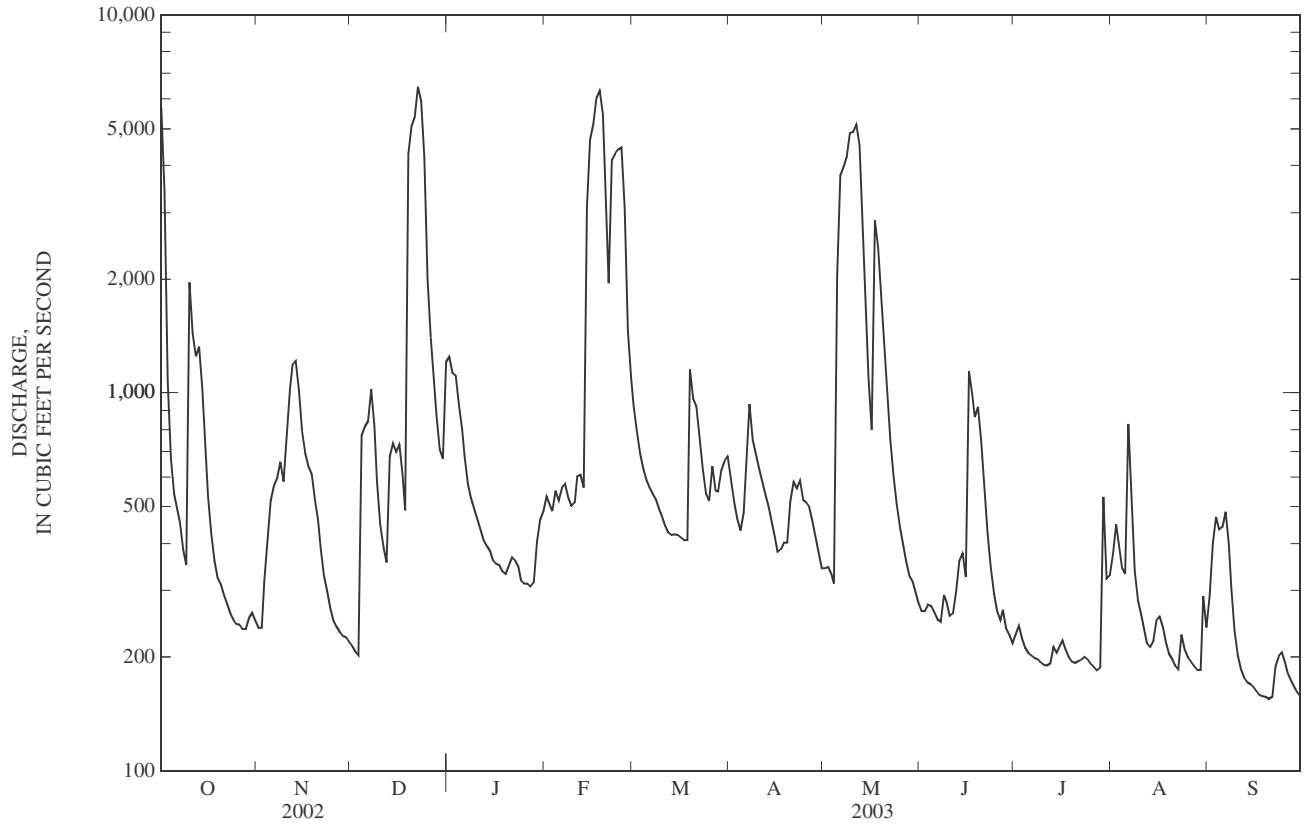
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	218	469	824	1,060	1,011	1,028	793	659	355	273	234	249
MAX	921	2,921	2,921	5,853	3,608	2,638	3,185	3,085	1,858	1,055	1,763	1,310
(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)

07024500 SOUTH FORK OBION RIVER NEAR GREENFIELD, TN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	259,042		297,242			
ANNUAL MEAN	710		814		590	
HIGHEST ANNUAL MEAN					1,184	1950
LOWEST ANNUAL MEAN					136	1941
HIGHEST DAILY MEAN	6,850	Sep 30	6,440	Dec 22	25,000	Jan 22, 1937
LOWEST DAILY MEAN	132	Jul 9	155	Sep 20	61	Aug 21, 1944
ANNUAL SEVEN-DAY MINIMUM	137	Jul 5	159	Sep 15	70	Aug 22, 1943
MAXIMUM PEAK FLOW			6,830	Dec 22	a25,600	Jan 22, 1937
MAXIMUM PEAK STAGE			15.35	Dec 22	b17.82	Jan 22, 1937
INSTANTANEOUS LOW FLOW			154	Sep 20	61	Aug 21, 1944
ANNUAL RUNOFF (CFSM)	1.85		2.13		1.54	
ANNUAL RUNOFF (INCHES)	25.16		28.87		20.91	
10 PERCENT EXCEEDS	1,380		1,580		1,430	
50 PERCENT EXCEEDS	335		422		222	
90 PERCENT EXCEEDS	153		197		105	

a From rating curve extended above 14,000 ft^3/s.
b From floodmarks.
e Estimated



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 current year. 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 with 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.--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.

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)
Oct 10	1400	7,430	18.91	May 5	0800	8,040	19.50
Dec 19	1600	*8,190	*19.64	May 7	1000	7,590	19.08
Feb 16	0000	7,400	18.88	May 17	0900	7,440	18.93
Feb 22	2100	6,490	17.68				

Minimum discharge, 161 ft^3/s, July 12.

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	361	e225	204	3,770	336	712	316	276	239	209	496	346
2	307	e222	199	1,380	304	550	299	293	234	199	595	1,050
3	279	224	202	1,020	289	447	286	308	250	190	786	2,370
4	284	e1,500	379	578	374	393	280	388	256	181	291	688
5	328	e1,300	1,650	455	291	369	428	7,370	238	177	521	315
6	272	e600	659	372	273	363	784	6,460	229	176	300	236
7	268	e400	428	317	319	327	2,570	6,950	234	176	237	209
8	252	305	382	311	275	310	822	6,530	231	173	212	196
9	249	269	338	308	253	298	510	4,430	220	169	204	190
10	4,520	269	321	289	267	281	624	1,510	226	170	199	186
11	5,620	274	397	273	409	263	490	977	1,850	170	195	183
12	2,750	258	360	252	735	261	e370	563	2,350	164	196	181
13	643	237	1,540	256	427	264	e330	409	1,340	394	192	183
14	393	231	1,590	267	4,330	259	315	350	470	266	194	189
15	327	247	613	255	6,830	249	297	326	324	224	191	182
16	294	285	445	258	7,110	249	286	318	304	213	190	175
17	270	252	381	266	6,400	246	427	5,660	300	208	195	170
18	257	235	354	252	1,840	251	387	1,830	1,090	207	213	173
19	257	234	7,220	252	1,650	2,570	306	682	1,590	216	213	174
20	335	232	7,570	278	1,890	1,130	305	568	724	213	196	172
21	295	234	6,910	338	1,690	575	950	444	295	207	191	180
22	266	225	2,430	295	5,520	431	504	374	243	205	193	386
23	249	218	724	264	5,320	364	327	327	223	201	267	267
24	243	219	698	242	2,570	331	303	300	209	198	248	197
25	239	216	639	249	870	319	1,410	287	199	194	208	182
26	238	213	450	263	682	956	1,620	286	193	192	199	177
27	231	214	380	e250	674	537	571	273	241	189	199	174
28	249	208	348	e240	861	398	390	262	206	317	197	170
29	280	208	325	e370	---	e340	324	262	188	1,560	193	165
30	267	211	319	357	---	e300	295	255	183	511	434	164
31	239	---	1,860	300	---	346	---	247	---	1,240	832	---
TOTAL	21,062	9,965	40,315	14,577	52,789	14,689	17,126	49,515	14,879	9,109	8,977	9,630
MEAN	679	332	1,300	470	1,885	474	571	1,597	496	294	290	321
MAX	5,620	1,500	7,570	3,770	7,110	2,570	2,570	7,370	2,350	1,560	832	2,370
MIN	231	208	199	240	253	246	280	247	183	164	190	164
CFSM	1.83	0.89	3.50	1.26	5.07	1.27	1.53	4.29	1.33	0.79	0.78	0.86
IN.	2.11	1.00	4.03	1.46	5.28	1.47	1.71	4.95	1.49	0.91	0.90	0.96

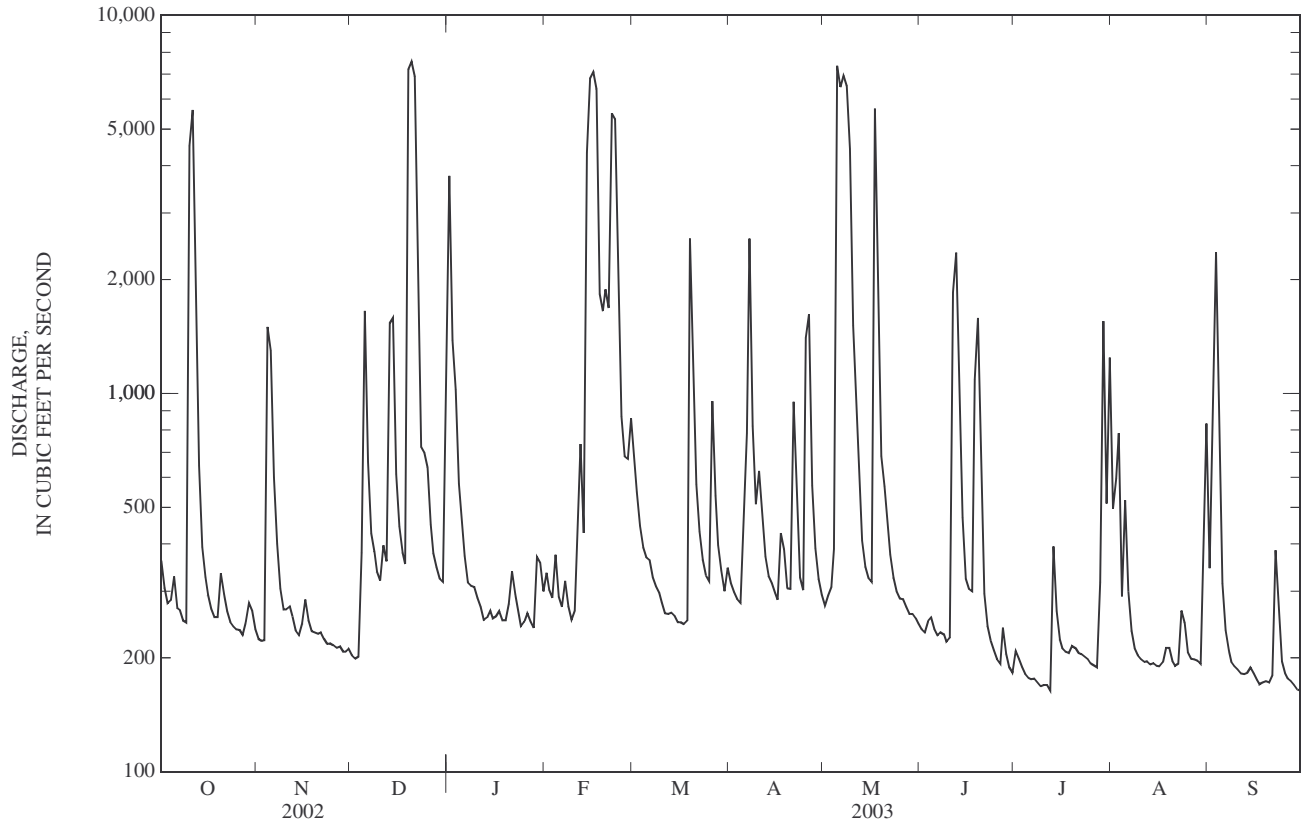
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	210	431	683	645	905	1,056	744	601	354	276	250	217
MAX	1,196	3,135	2,832	1,910	2,476	4,157	2,276	1,655	1,346	928	1,267	788
(WY)	(1950)	(1958)	(2002)	(1974)	(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)

07025400 NORTH FORK OBION RIVER NEAR MARTIN, TN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	275,609		262,633			
ANNUAL MEAN	755		720		537	
HIGHEST ANNUAL MEAN					995	1973
LOWEST ANNUAL MEAN					164	1941
HIGHEST DAILY MEAN	8,640	May 18	7,570	Dec 20	25,700	Nov 19, 1957
LOWEST DAILY MEAN	145	Sep 13	a164	Jul 12	40	Feb 7, 1946
ANNUAL SEVEN-DAY MINIMUM	148	Sep 8	171	Jul 6	43	Feb 27, 1946
ANNUAL RUNOFF (CFSM)	2.03		1.93		1.44	
ANNUAL RUNOFF (INCHES)	27.56		26.26		19.60	
10 PERCENT EXCEEDS	1,960		1,570		1,060	
50 PERCENT EXCEEDS	295		291		191	
90 PERCENT EXCEEDS	166		192		110	

a Also occurred on Sept. 30.
e Estimated



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 current year. 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 fair, except for estimated discharges, which are poor. During high stages the recession side of peaks are affected by backwater, and return flow from flooded fields. These periods are shown as estimated and are considered poor.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,900 ft^3/s, May 10, gage height 36.18 ft; minimum daily discharge, 677 ft^3/s, Sept. 30.

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	13,300	960	1,220	9,900	1,890	e4,800	1,710	1,240	1,230	1,540	2,740	2,560
2	13,000	936	1,220	9,970	1,950	e4,200	1,570	1,250	1,180	963	1,630	2,410
3	12,300	934	1,220	9,000	1,920	e3,500	1,460	1,250	1,220	879	2,560	7,490
4	10,600	1,290	1,560	7,240	2,230	e3,100	1,390	1,260	1,170	829	1,670	4,930
5	8,200	e1,600	5,980	5,420	2,200	e2,900	1,560	9,220	1,120	794	1,290	2,020
6	5,890	e2,300	5,150	3,630	1,950	e2,700	2,450	12,000	1,080	854	2,770	1,240
7	3,560	e2,600	3,100	2,450	2,060	e2,600	7,260	17,300	1,060	777	4,360	1,100
8	2,030	1,970	2,460	2,020	2,050	e2,350	5,880	24,300	1,120	770	2,420	968
9	1,550	1,820	2,080	1,800	1,900	e2,200	3,610	29,000	1,100	784	1,460	873
10	8,090	2,160	1,790	1,690	1,870	e2,050	2,790	29,500	1,040	758	1,060	807
11	11,400	3,330	1,740	1,580	2,260	1,970	2,540	e24,000	2,280	751	936	770
12	13,700	3,110	1,750	1,500	3,560	1,830	e2,100	e22,000	6,780	743	881	748
13	13,800	2,490	2,500	1,460	2,680	1,730	e1,950	e18,000	4,170	1,350	865	738
14	11,400	2,250	5,960	1,460	7,070	1,660	1,780	e12,000	2,730	1,550	902	764
15	8,970	2,000	4,020	1,440	11,100	1,560	1,680	e9,000	1,550	921	881	730
16	6,640	2,180	2,570	1,410	14,700	1,500	1,590	e7,000	1,200	835	877	710
17	4,290	2,000	2,190	1,420	20,800	1,480	1,820	15,200	3,140	793	863	700
18	2,240	1,770	1,980	1,390	25,500	1,460	1,980	19,200	2,780	755	840	692
19	1,630	1,670	10,200	1,360	26,500	5,740	1,720	e18,000	3,860	837	841	688
20	1,560	1,560	13,000	1,410	e23,000	8,080	1,620	e14,000	2,580	766	813	684
21	1,400	1,460	18,500	1,520	e16,300	5,500	2,940	e10,000	1,560	756	789	687
22	1,200	1,390	24,200	1,540	e8,700	3,530	2,970	e6,400	1,170	942	780	2,540
23	1,080	1,340	25,500	1,430	26,200	2,420	1,950	e5,200	1,030	757	1,390	1,440
24	1,030	1,310	e21,000	1,390	27,900	1,970	1,790	e4,000	956	731	966	889
25	1,000	1,280	e15,000	1,350	26,400	1,710	3,630	e2,900	907	717	844	785
26	984	1,250	e11,000	1,370	e15,000	2,530	5,320	e2,350	869	707	805	747
27	963	1,250	e8,500	1,380	e9,500	2,830	2,740	e2,000	999	697	780	721
28	1,010	1,220	e6,500	1,400	e6,400	1,980	1,670	e1,700	950	694	762	702
29	1,020	1,220	e4,500	1,600	---	2,020	1,420	e1,450	846	5,760	747	686
30	1,040	1,230	e3,400	2,120	---	2,250	1,320	e1,300	1,080	4,350	874	677
31	1,020	---	7,090	1,950	---	1,890	---	e1,250	---	4,060	3,650	---
TOTAL	165,897	51,880	216,880	84,600	293,590	86,040	74,210	323,270	52,757	38,420	43,046	41,496
MEAN	5,352	1,729	6,996	2,729	10,490	2,775	2,474	10,430	1,759	1,239	1,389	1,383
MAX	13,800	3,330	25,500	9,970	27,900	8,080	7,260	29,500	6,780	5,760	4,360	7,490
MIN	963	934	1,220	1,350	1,870	1,460	1,320	1,240	846	694	747	677
CFSM	2.85	0.92	3.73	1.46	5.59	1.48	1.32	5.56	0.94	0.66	0.74	0.74
IN.	3.29	1.03	4.30	1.68	5.82	1.71	1.47	6.41	1.05	0.76	0.85	0.82

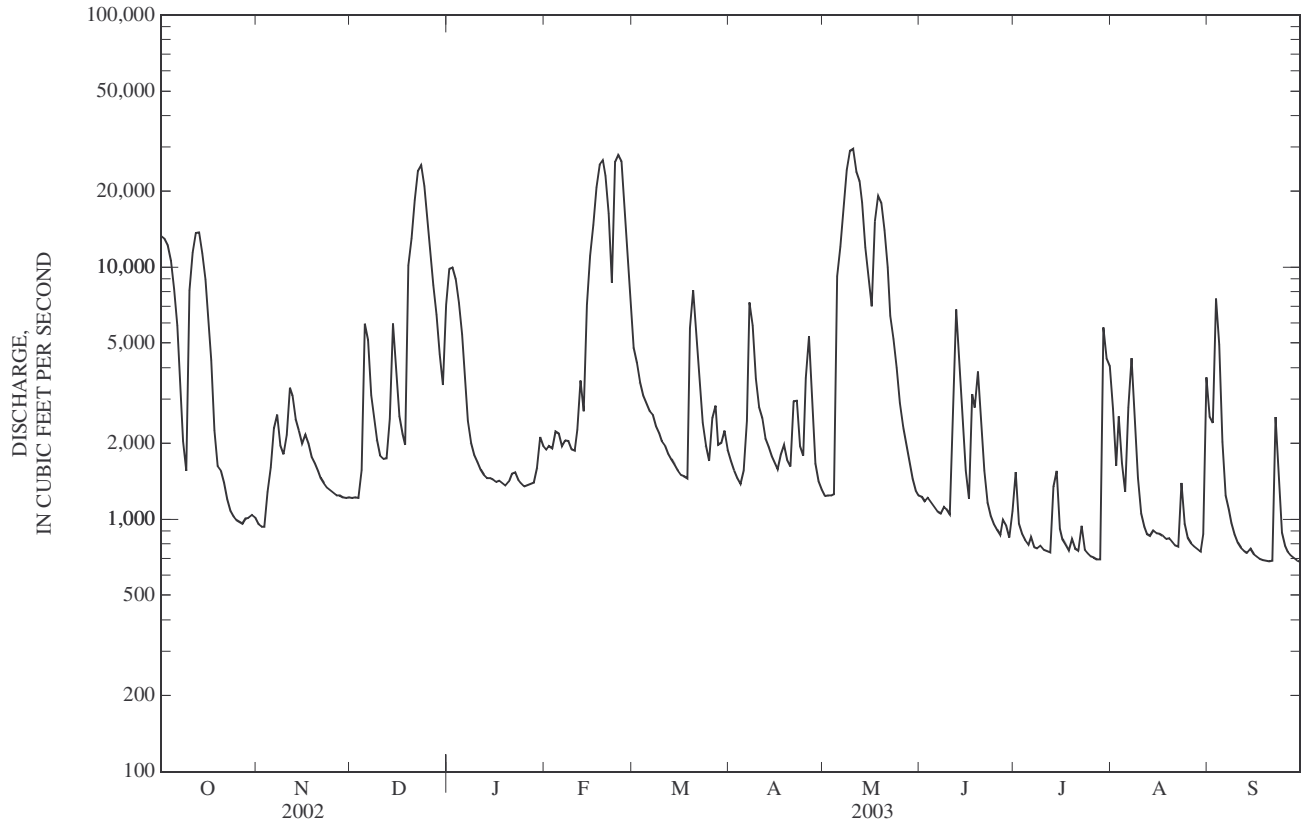
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	1,008	2,076	3,792	4,737	4,938	4,408	3,882	3,085	1,899	1,408	1,048	967
MAX	5,352	15,500	22,140	26,640	17,120	15,810	11,770	15,540	10,970	4,783	6,643	5,041
(WY)	(2003)	(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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	1,295,256		1,472,086			
ANNUAL MEAN	3,549		4,033		2,767	
HIGHEST ANNUAL MEAN					5,351	1973
LOWEST ANNUAL MEAN					569	1941
HIGHEST DAILY MEAN	25,500	Dec 23	29,500	May 10	99,500	Jan 24, 1937
LOWEST DAILY MEAN	638	Jul 30	677	Sep 30	a15	Feb 4, 1937
ANNUAL SEVEN-DAY MINIMUM	645	Jul 29	699	Sep 15	233	Oct 6, 1943
MAXIMUM PEAK FLOW			29,900	May 10	99,500	Jan 24, 1937
MAXIMUM PEAK STAGE			36.18	May 10	b40.40	Jan 24, 1937
INSTANTANEOUS LOW FLOW			657	Sep 30	c230	Oct 7, 1943
ANNUAL RUNOFF (CFSM)	1.89		2.15		1.48	
ANNUAL RUNOFF (INCHES)	25.70		29.21		20.05	
10 PERCENT EXCEEDS	10,900		11,200		7,160	
50 PERCENT EXCEEDS	1,560		1,750		1,040	
90 PERCENT EXCEEDS	695		787		416	

a Affected by backwater from Mississippi River.
b Present datum.
c Minimum under conditions of no backwater from Mississippi River.
e Estimated



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.

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, 13.70 ft, Feb. 25; minimum, 12.00 ft, July 28.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.50	12.49	12.50	12.52	12.45	12.47	12.42	12.33	12.38	13.16	13.06	13.10
2	12.50	12.48	12.49	12.47	12.43	12.45	12.41	12.26	12.33	13.11	13.06	13.09
3	12.50	12.46	12.48	12.45	12.44	12.45	12.45	12.41	12.43	13.11	13.07	13.08
4	12.48	12.37	12.43	12.46	12.44	12.45	12.58	12.44	12.53	13.07	13.04	13.05
5	12.49	12.44	12.46	12.53	12.45	12.50	12.57	12.49	12.52	13.05	13.04	13.05
6	12.46	12.41	12.43	12.56	12.51	12.53	12.50	12.48	12.49	13.12	13.01	13.06
7	12.49	12.42	12.45	12.52	12.49	12.51	12.50	12.46	12.49	13.01	12.90	12.95
8	12.42	12.40	12.41	12.50	12.40	12.46	12.57	12.50	12.52	12.92	12.86	12.90
9	12.44	12.39	12.41	12.47	12.41	12.44	12.55	12.53	12.54	12.97	12.90	12.93
10	12.54	12.44	12.50	12.54	12.33	12.44	12.56	12.52	12.54	12.95	12.89	12.92
11	12.54	12.48	12.50	12.58	12.54	12.55	12.56	12.51	12.52	12.92	12.85	12.88
12	12.58	12.54	12.56	12.59	12.53	12.57	12.53	12.51	12.51	12.85	12.81	12.83
13	12.70	12.58	12.65	12.53	12.49	12.51	12.64	12.52	12.59	12.81	12.77	12.78
14	12.64	12.60	12.62	12.50	12.45	12.48	12.57	12.56	12.57	12.82	12.77	12.79
15	12.63	12.60	12.61	12.61	12.50	12.57	12.57	12.54	12.56	12.80	12.75	12.77
16	12.63	12.57	12.59	12.62	12.53	12.58	12.59	12.56	12.58	12.82	12.74	12.78
17	12.57	12.53	12.55	12.53	12.49	12.51	12.59	12.53	12.56	---	---	---
18	12.54	12.48	12.52	12.50	12.41	12.46	12.85	12.46	12.54	---	---	---
19	12.64	12.49	12.55	12.51	12.48	12.50	13.19	12.85	13.04	---	---	---
20	12.62	12.57	12.59	12.50	12.49	12.49	13.39	13.19	13.28	12.66	12.62	12.65
21	12.58	12.55	12.56	12.58	12.42	12.49	13.49	13.39	13.45	12.75	12.66	12.71
22	12.55	12.54	12.54	12.58	12.46	12.49	13.50	13.41	13.48	12.74	12.68	12.71
23	12.56	12.54	12.55	12.46	12.36	12.42	13.54	13.49	13.50	---	---	---
24	12.55	12.50	12.52	12.45	12.41	12.43	13.55	13.38	13.49	---	---	---
25	12.50	12.45	12.48	12.51	12.45	12.49	13.38	13.30	13.34	---	---	---
26	12.53	12.49	12.51	12.48	12.45	12.46	13.31	13.21	13.26	---	---	---
27	12.52	12.49	12.51	12.46	12.42	12.44	13.21	13.12	13.16	---	---	---
28	12.54	12.50	12.52	12.42	12.38	12.40	13.12	13.02	13.06	---	---	---
29	12.54	12.47	12.51	12.38	12.27	12.32	13.06	12.99	13.03	---	---	---
30	12.53	12.49	12.50	12.45	12.34	12.40	13.04	12.95	12.98	12.68	12.65	12.66
31	12.51	12.46	12.48	---	---	---	13.20	13.02	13.12	12.65	12.64	12.65
MONTH	12.70	12.37	12.52	12.62	12.27	12.48	13.55	12.26	12.82	13.16	12.62	12.87

07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.64	12.60	12.62	13.38	13.29	13.34	12.63	12.48	12.56	12.64	12.59	12.62
2	12.60	12.51	12.55	13.30	13.21	13.25	12.58	12.46	12.53	12.67	12.63	12.65
3	12.54	12.45	12.49	13.21	13.11	13.15	12.59	12.47	12.53	12.66	12.61	12.64
4	12.59	12.50	12.55	13.11	13.00	13.06	12.67	12.46	12.54	12.67	12.55	12.58
5	12.59	12.55	12.57	13.05	12.98	13.03	12.72	12.65	12.69	12.75	12.64	12.69
6	12.63	12.55	12.60	13.05	12.99	13.02	12.88	12.72	12.77	12.86	12.73	12.76
7	12.68	12.56	12.61	12.99	12.96	12.97	12.87	12.78	12.81	13.04	12.74	12.94
8	12.57	12.50	12.54	13.00	12.82	12.91	12.95	12.87	12.92	13.08	13.02	13.06
9	12.57	12.52	12.55	13.04	12.96	12.99	12.97	12.92	12.95	13.08	12.98	13.03
10	12.57	12.52	12.55	12.99	12.88	12.94	12.95	12.91	12.93	13.04	12.87	12.97
11	12.56	12.50	12.54	12.88	12.83	12.85	12.91	12.87	12.89	13.04	12.95	13.00
12	12.63	12.56	12.58	12.83	12.77	12.79	12.87	12.84	12.85	13.00	12.93	12.97
13	12.57	12.55	12.56	12.89	12.77	12.84	12.85	12.82	12.84	12.93	12.82	12.89
14	12.78	12.57	12.69	12.86	12.80	12.83	12.82	12.75	12.79	12.83	12.72	12.78
15	13.15	12.78	12.96	12.80	12.76	12.78	12.76	12.59	12.70	12.73	12.64	12.67
16	13.31	13.15	13.25	12.76	12.73	12.75	12.70	12.55	12.64	12.91	12.68	12.70
17	13.31	13.30	13.30	12.74	12.73	12.74	12.74	12.62	12.71	13.09	12.81	12.96
18	13.30	13.26	13.28	12.75	12.74	12.74	12.75	12.69	12.72	13.22	13.08	13.16
19	13.36	13.29	13.32	12.81	12.71	12.76	12.69	12.62	12.66	13.23	13.21	13.22
20	13.33	13.26	13.30	12.85	12.77	12.82	12.65	12.60	12.62	13.26	13.21	13.23
21	13.30	13.26	13.27	12.91	12.83	12.89	12.66	12.61	12.63	13.23	13.13	13.20
22	13.52	13.30	13.45	12.92	12.90	12.91	12.67	12.62	12.64	13.15	13.04	13.10
23	13.64	13.51	13.58	12.91	12.87	12.89	12.62	12.57	12.60	13.06	12.94	13.00
24	13.69	13.62	13.64	12.88	12.81	12.85	12.62	12.45	12.57	12.94	12.80	12.88
25	13.70	13.60	13.65	12.93	12.78	12.84	12.65	12.56	12.62	12.81	12.70	12.77
26	13.60	13.56	13.58	12.89	12.83	12.86	12.70	12.65	12.67	12.71	12.56	12.64
27	13.56	13.47	13.51	12.83	12.74	12.79	12.67	12.66	12.67	12.58	12.53	12.55
28	13.47	13.38	13.43	12.82	12.61	12.74	12.67	12.62	12.65	12.57	12.50	12.53
29	---	---	---	12.83	12.77	12.79	12.69	12.62	12.66	12.58	12.53	12.56
30	---	---	---	12.81	12.74	12.78	12.69	12.58	12.63	12.54	12.50	12.52
31	---	---	---	12.74	12.61	12.67	---	---	---	12.59	12.50	12.54
MONTH	13.70	12.45	12.98	13.38	12.61	12.89	12.97	12.45	12.70	13.26	12.50	12.83
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.54	12.50	12.52	12.48	12.46	12.47	12.65	12.59	12.62	12.22	12.14	12.18
2	12.51	12.48	12.49	12.46	12.43	12.45	12.71	12.63	12.67	12.40	12.18	12.27
3	12.52	12.48	12.50	12.44	12.40	12.42	12.69	12.59	12.64	12.45	12.39	12.41
4	12.50	12.47	12.49	12.41	12.38	12.39	12.63	12.60	12.61	12.50	12.45	12.47
5	12.47	12.46	12.47	12.41	12.34	12.37	12.69	12.57	12.62	12.51	12.48	12.49
6	12.46	12.44	12.45	12.36	12.31	12.34	12.70	12.66	12.67	12.51	12.48	12.49
7	12.46	12.43	12.44	12.33	12.29	12.31	12.66	12.62	12.64	12.48	12.46	12.47
8	12.43	12.39	12.42	12.31	12.25	12.29	12.63	12.61	12.62	12.46	12.44	12.45
9	12.40	12.39	12.40	12.28	12.23	12.26	12.61	12.58	12.59	12.44	12.42	12.43
10	12.39	12.33	12.37	12.27	12.21	12.23	12.59	12.55	12.57	12.42	12.40	12.41
11	12.51	12.37	12.45	12.28	12.23	12.26	12.55	12.51	12.53	12.40	12.37	12.39
12	12.59	12.49	12.55	12.24	12.14	12.21	12.53	12.49	12.51	12.38	12.32	12.35
13	12.65	12.59	12.62	12.29	12.23	12.26	12.49	12.46	12.48	12.38	12.31	12.35
14	12.73	12.65	12.71	12.24	12.20	12.22	12.46	12.43	12.44	12.38	12.36	12.37
15	12.77	12.73	12.74	12.20	12.11	12.16	12.44	12.42	12.43	12.37	12.35	12.36
16	12.76	12.70	12.74	12.19	12.13	12.17	12.42	12.39	12.41	12.35	12.34	12.35
17	12.70	12.64	12.68	12.16	12.14	12.15	12.48	12.36	12.39	12.35	12.32	12.33
18	12.67	12.62	12.65	12.25	12.12	12.16	12.40	12.38	12.38	12.32	12.30	12.31
19	12.76	12.67	12.70	12.21	12.18	12.19	12.40	12.36	12.38	12.32	12.29	12.30
20	12.77	12.72	12.75	12.19	12.13	12.17	12.37	12.33	12.35	12.31	12.27	12.29
21	12.73	12.68	12.70	12.16	12.04	12.10	12.33	12.30	12.31	12.34	12.26	12.28
22	12.68	12.63	12.66	12.20	12.16	12.18	12.31	12.26	12.28	12.37	12.33	12.34
23	12.63	12.60	12.61	12.20	12.15	12.18	12.31	12.27	12.29	12.35	12.32	12.34
24	12.60	12.58	12.59	12.15	12.12	12.14	12.29	12.26	12.27	12.33	12.29	12.31
25	12.58	12.53	12.56	12.12	12.09	12.11	12.26	12.23	12.24	12.36	12.30	12.32
26	12.59	12.51	12.54	12.10	12.06	12.07	12.23	12.19	12.21	12.32	12.26	12.29
27	12.57	12.52	12.55	12.06	12.02	12.04	12.20	12.15	12.18	12.31	12.27	12.29
28	12.52	12.48	12.50	12.24	12.00	12.04	12.18	12.13	12.15	12.29	12.26	12.27
29	12.48	12.46	12.48	12.32	12.21	12.27	12.14	12.09	12.12	12.27	12.24	12.26
30	12.47	12.42	12.46	12.46	12.32	12.39	12.19	12.13	12.15	12.30	12.23	12.25
31	---	---	---	12.59	12.46	12.55	12.22	12.13	12.15	---	---	---
MONTH	12.77	12.33	12.56	12.59	12.00	12.24	12.71	12.09	12.42	12.51	12.14	12.35

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.

WATER-DISCHARGE RECORDS

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.--No estimated daily discharges. Records good. 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 1	1730	*10,100	*20.18	Feb 19	1545	9,390	20.02
Oct 10	2100	5,240	18.54	Mar 19	1000	4,180	17.80
Nov 10	0715	3,680	17.32	May 17	1430	5,810	18.87
Dec 24	1130	9,180	19.97				

Minimum discharge, 263 ft^3/s, July 28.

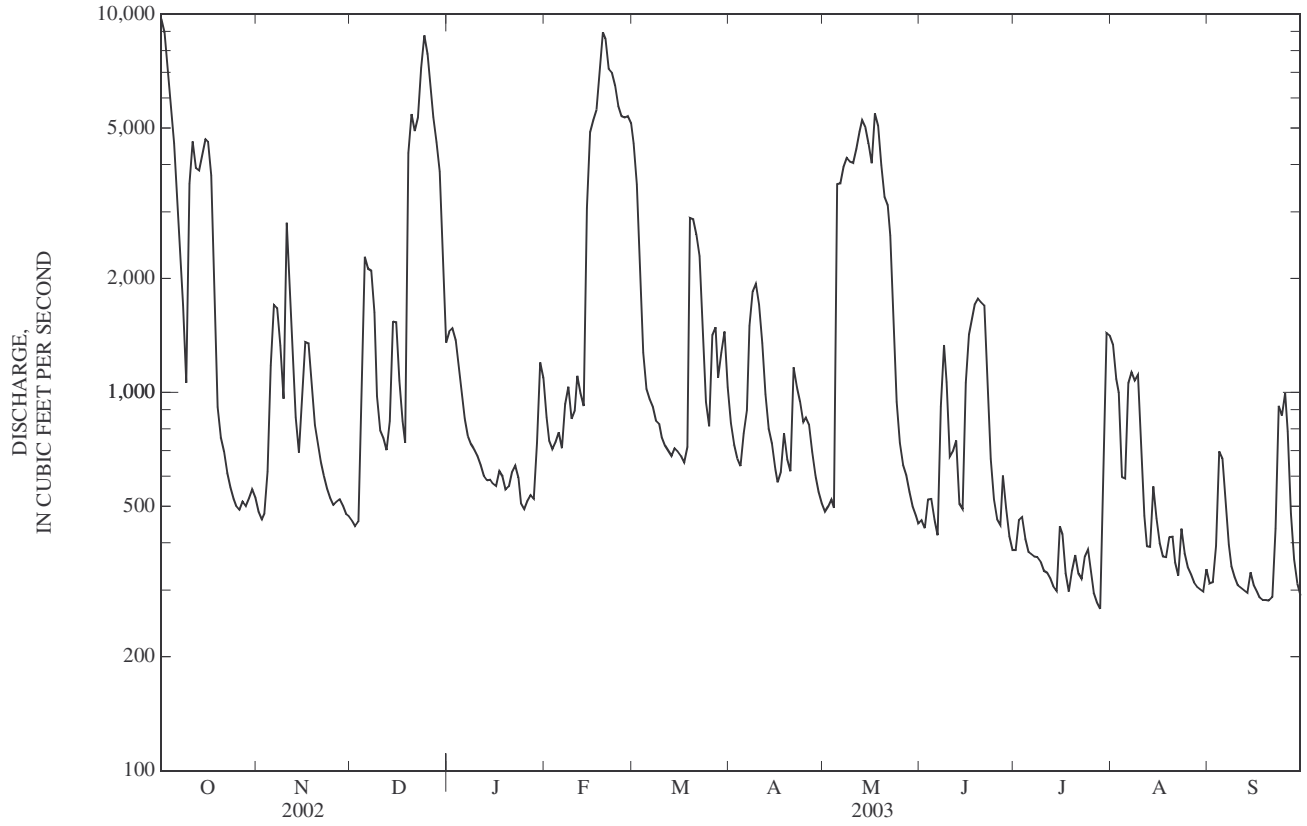
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,730	484	458	1,450	858	4,550	827	484	458	383	1,340	313
2	8,970	463	443	1,480	745	3,550	728	499	438	459	1,090	315
3	7,310	478	454	1,380	709	2,110	669	521	521	467	999	393
4	5,850	617	1,100	1,140	741	1,270	639	496	524	412	598	699
5	4,550	1,180	2,290	961	785	1,020	778	3,560	463	378	592	670
6	3,220	1,710	2,130	855	712	961	898	3,580	420	374	1,060	502
7	2,340	1,670	2,100	768	933	918	1,500	3,960	918	369	1,130	395
8	1,700	1,330	1,630	728	1,030	842	1,850	4,170	1,330	367	1,080	348
9	1,060	961	977	708	853	826	1,940	4,080	1,060	358	1,110	326
10	3,560	2,800	793	680	897	760	1,700	4,050	677	338	715	309
11	4,610	1,900	756	642	1,110	723	1,350	4,420	701	334	472	304
12	3,930	1,310	704	602	997	700	986	4,910	746	323	392	300
13	3,860	857	839	587	920	679	802	5,260	507	307	391	296
14	4,260	694	1,540	589	3,060	712	734	5,040	491	299	563	334
15	4,670	977	1,530	575	4,880	697	633	4,550	1,060	443	463	310
16	4,600	1,360	1,070	567	5,260	679	578	4,030	1,420	422	400	298
17	3,740	1,350	838	619	5,600	655	617	5,460	1,580	333	368	287
18	1,910	1,050	733	600	7,130	718	779	5,070	1,710	297	367	282
19	913	821	4,300	553	8,970	2,890	667	3,990	1,780	338	414	282
20	760	725	5,450	564	8,630	2,880	619	3,300	1,730	371	416	281
21	698	658	4,930	616	7,170	2,610	1,160	3,130	1,700	332	356	287
22	615	603	5,330	641	7,020	2,290	1,030	2,590	1,060	322	327	436
23	561	557	7,210	594	6,480	1,430	948	1,490	665	369	436	920
24	523	526	8,800	510	5,740	942	837	944	522	385	376	869
25	502	503	7,850	492	5,390	812	857	734	462	343	345	996
26	491	512	6,380	518	5,330	1,420	821	643	446	295	330	787
27	515	521	5,340	536	5,370	1,490	696	605	603	278	314	478
28	501	501	4,590	524	5,150	1,090	605	546	493	268	306	362
29	526	476	3,840	735	---	1,270	547	498	418	743	301	312
30	555	472	2,440	1,200	---	1,440	510	472	383	1,430	297	291
31	527	---	1,350	1,090	---	1,030	---	449	---	1,410	340	---
TOTAL	87,557	28,066	88,195	23,504	102,470	43,964	27,305	83,531	25,286	13,547	17,688	12,982
MEAN	2,824	936	2,845	758	3,660	1,418	910	2,695	843	437	571	433
MAX	9,730	2,800	8,800	1,480	8,970	4,550	1,940	5,460	1,780	1,430	1,340	996
MIN	491	463	443	492	709	655	510	449	383	268	297	281
CFSM	3.93	1.30	3.96	1.06	5.10	1.98	1.27	3.75	1.17	0.61	0.79	0.60
IN.	4.54	1.45	4.57	1.22	5.31	2.28	1.41	4.33	1.31	0.70	0.92	0.67
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)												
MEAN	2,035	1,035	4,839	1,208	2,376	1,939	1,018	1,304	845	341	461	686
MAX	2,824	1,134	6,834	1,658	3,660	3,508	1,354	2,695	1,314	437	571	1,298
(WY)	(2003)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)	(2003)	(2001)	(2003)	(2003)	(2002)
MIN	1,245	936	2,845	758	1,091	891	788	509	379	289	323	327
(WY)	(2002)	(2003)	(2003)	(2003)	(2002)	(2001)	(2001)	(2001)	(2002)	(2001)	(2001)	(2001)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	531,771		554,095			
ANNUAL MEAN	1,457		1,518		1,598	
HIGHEST ANNUAL MEAN					1,678	2002
LOWEST ANNUAL MEAN					1,518	2003
HIGHEST DAILY MEAN	13,500	Mar 21	9,730	Oct 1	25,000	Dec 3, 2001
LOWEST DAILY MEAN	213	Sep 13	268	Jul 28	120	Jul 16, 2001
ANNUAL SEVEN-DAY MINIMUM	221	Sep 8	290	Sep 15	131	Jul 14, 2001
MAXIMUM PEAK FLOW			10,100	Oct 1	25,800	Dec 1, 2001
MAXIMUM PEAK STAGE			20.18	Oct 1	a22.27	Dec 1, 2001
INSTANTANEOUS LOW FLOW			263	Jul 28	120	Jul 16, 2001
ANNUAL RUNOFF (CFSM)	2.03		2.11		2.23	
ANNUAL RUNOFF (INCHES)	27.55		28.71		30.24	
10 PERCENT EXCEEDS	4,160		4,550		4,200	
50 PERCENT EXCEEDS	618		734		660	
90 PERCENT EXCEEDS	259		339		288	

a Peak stage from crest-stage gage.



07027720 SOUTH FORK FORKED DEER RIVER NEAR OWL CITY, TN

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

Date	Time	Instantaneous discharge, cfs (00061)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)
OCT					
22...	1150	615	84	15.5	44
DEC					
12...	1445	736	104	--	47
JAN					
14...	1430	564	93	--	20
MAR					
20...	1400	2,930	62	16.5	189
JUN					
13...	1430	498	90	--	157

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07028500 NORTH FORK FORKED DEER RIVER AT TRENTON, TN

LOCATION.--Lat 35°58'49", long 88°55'35", Gibson County, Hydrologic Unit 08010204, at bridge on State Highway 77, 104, 0.75 mi east of Trenton and 16.5 mi upstream from the confluence with Middle Fork Forked Deer River.

DRAINAGE AREA.--73.5 mi^2.

PERIOD OF RECORD.--October 1950 to September 1971, May 2003 to September 2003. Prior to December 1950 monthly discharge only, published in WSP 1731, 1979 to 1984 annual maximum at present site, 1987 to current year, annual maximum stage at site 0.5 mi downstream.

REVISED RECORDS.--WSP 1241: 1951. WSP 1920: Drainage area. WDR TN-71-1: 1965, 1966, 1969 (M).

GAGE.--Data collection platform. Datum of gage is 311.85 ft above NGVD of 1929, determined from elevation provided by Tennessee Department of Transportation. Prior to 1971 recording gage referenced to datum 8.44 ft lower than present datum, 1979 to 1984 annual maximum at datum 8.44 ft lower than present datum. July 1987 to current year annual maximum stage indicator located at site .5 mi downstream of present site at datum 5.0 ft lower than present datum.

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 PERIOD OF RECORD.--Maximum discharge, 11,800 ft^3/s, Jan. 30, 1956, from rating curve extended above 3,600 ft^3/s, on basis of velocity-area measurement; maximum gage height, 14.00 ft, Feb. 12, 1965, datum then in use; minimum discharge, 4.6 ft^3/s, Aug. 3, 4, 1970.

EXTREMES FOR CURRENT PERIOD.--May to September 2003: Maximum discharge during period 4,220 ft^3/s, May 6, gage height 13.50 ft; minimum discharge 21 ft^3/s, June 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	28	24	30	26	37
2	---	---	---	---	---	---	---	29	26	29	72	47
3	---	---	---	---	---	---	---	27	27	29	35	76
4	---	---	---	---	---	---	---	27	24	28	28	68
5	---	---	---	---	---	---	---	2,300	23	27	27	34
6	---	---	---	---	---	---	---	2,310	23	27	129	30
7	---	---	---	---	---	---	---	1,710	24	27	45	28
8	---	---	---	---	---	---	---	779	23	27	33	27
9	---	---	---	---	---	---	---	132	22	27	30	27
10	---	---	---	---	---	---	---	69	23	26	28	26
11	---	---	---	---	---	---	---	760	30	26	27	25
12	---	---	---	---	---	---	---	82	38	26	26	25
13	---	---	---	---	---	---	---	51	24	26	27	25
14	---	---	---	---	---	---	---	42	31	25	27	27
15	---	---	---	---	---	---	---	39	28	25	26	26
16	---	---	---	---	---	---	---	49	715	26	26	25
17	---	---	---	---	---	---	---	2,340	760	25	25	25
18	---	---	---	---	---	---	---	983	93	25	25	25
19	---	---	---	---	---	---	---	113	63	26	25	25
20	---	---	---	---	---	---	---	70	50	25	24	25
21	---	---	---	---	---	---	---	68	43	25	24	26
22	---	---	---	---	---	---	---	50	39	26	25	69
23	---	---	---	---	---	---	---	41	37	25	32	35
24	---	---	---	---	---	---	---	38	34	24	26	30
25	---	---	---	---	---	---	---	35	32	24	25	28
26	---	---	---	---	---	---	---	33	40	24	25	28
27	---	---	---	---	---	---	---	30	57	23	24	28
28	---	---	---	---	---	---	---	29	33	24	24	27
29	---	---	---	---	---	---	---	29	31	37	24	26
30	---	---	---	---	---	---	---	26	30	27	95	26
31	---	---	---	---	---	---	---	26	---	27	238	---
TOTAL	---	---	---	---	---	---	---	12,345	2,447	818	1,273	976
MEAN	---	---	---	---	---	---	---	398	81.6	26.4	41.1	32.5
MAX	---	---	---	---	---	---	---	2,340	760	37	238	76
MIN	---	---	---	---	---	---	---	26	22	23	24	25
CFSM	---	---	---	---	---	---	---	5.42	1.11	0.36	0.56	0.44
IN.	---	---	---	---	---	---	---	6.25	1.24	0.41	0.64	0.49

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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 poor. 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 10	1230	4,370	13.33	Mar 19	0630	3,270	11.58
Dec 20	unknown	*5,510	*14.88	May 5	0330	4,820	13.99
Feb 16	1845	5,020	14.26	May 17	1045	3,170	11.40

Minimum daily discharge, 56 ft^3/s, Aug. 27.

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	e460	143	135	304	287	612	390	182	174	e140	116	115
2	e380	128	137	368	217	483	353	189	149	139	131	117
3	294	149	141	356	185	380	296	184	127	133	230	108
4	388	166	488	309	203	288	233	164	122	123	131	137
5	290	389	719	257	208	253	657	4,020	100	115	190	157
6	314	356	673	225	227	255	582	3,510	108	113	130	128
7	290	478	664	197	253	232	1,160	4,140	173	118	115	92
8	212	469	453	175	212	215	990	3,630	313	110	95	75
9	178	323	e260	169	210	187	958	3,040	212	104	82	69
10	2,340	1,540	e190	161	215	165	748	1,970	115	94	73	65
11	1,680	986	e170	150	260	152	619	1,620	170	87	68	63
12	1,340	621	e160	131	298	145	544	907	156	81	66	66
13	1,110	407	e170	127	289	157	398	805	135	82	83	68
14	637	283	e340	125	2,570	165	332	625	116	88	83	90
15	382	445	e480	116	3,980	174	292	397	104	94	84	80
16	248	415	e450	120	4,760	163	287	328	774	89	85	72
17	182	463	356	e140	4,560	155	361	1,480	720	75	77	65
18	147	399	257	e130	3,060	169	409	788	548	66	72	63
19	136	309	e1,000	e120	1,500	1,350	447	691	413	74	69	64
20	150	244	e4,500	130	1,280	807	407	481	264	76	67	63
21	145	214	e4,300	152	1,370	757	1,010	1,020	156	74	64	66
22	145	191	e4,400	138	3,570	466	772	504	111	80	63	153
23	134	174	e2,300	118	3,300	301	632	470	e100	86	66	142
24	126	163	1,310	99	2,660	199	491	347	e97	80	59	125
25	120	156	791	90	1,630	185	477	277	e95	75	59	100
26	119	153	725	98	1,150	447	429	245	e92	72	61	84
27	116	150	523	95	904	391	362	223	e160	69	56	76
28	117	147	339	107	743	356	301	213	e150	69	60	68
29	131	147	256	293	---	542	262	217	e130	179	59	66
30	139	144	228	346	---	430	214	213	e120	159	59	61
31	155	---	236	409	---	491	---	199	---	148	83	---
TOTAL	12,605	10,352	27,151	5,755	40,101	11,072	15,413	33,079	6,204	3,092	2,736	2,698
MEAN	407	345	876	186	1,432	357	514	1,067	207	99.7	88.3	89.9
MAX	2,340	1,540	4,500	409	4,760	1,350	1,160	4,140	774	179	230	157
MIN	116	128	135	90	185	145	214	164	92	66	56	61
CFSM	1.93	1.64	4.15	0.88	6.79	1.69	2.43	5.06	0.98	0.47	0.42	0.43
IN.	2.22	1.83	4.79	1.01	7.07	1.95	2.72	5.83	1.09	0.55	0.48	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	170	300	565	469	550	499	340	538	176	144	150	219
MAX	407	837	1,372	1,099	1,432	1,215	514	1,431	290	430	418	962
(WY)	(2003)	(2002)	(2002)	(1999)	(2003)	(2002)	(2003)	(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)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	163,621		170,258			
ANNUAL MEAN	448		466		343	
HIGHEST ANNUAL MEAN					515	2002
LOWEST ANNUAL MEAN					145	2000
HIGHEST DAILY MEAN	10,500	Sep 27	4,760	Feb 16	10,500	Sep 27, 2002
LOWEST DAILY MEAN	63	Jul 8	56	Aug 27	41	Jul 15, 2001
ANNUAL SEVEN-DAY MINIMUM	66	Jul 4	59	Aug 24	45	Jul 13, 2001
MAXIMUM PEAK FLOW			5,510	Dec 20	10,800	Sep 28, 2002
MAXIMUM PEAK STAGE			a14.88	Dec 20	a19.21	Sep 28, 2002
INSTANTANEOUS LOW FLOW			b47	Aug 16	40	Jul 15, 2001
ANNUAL RUNOFF (CFSM)	2.12		2.21		1.62	
ANNUAL RUNOFF (INCHES)	28.85		30.02		22.07	
10 PERCENT EXCEEDS	734		994		606	
50 PERCENT EXCEEDS	163		187		143	
90 PERCENT EXCEEDS	90		75		61	

a Peak stage determined from crest-stage gage.
b Also occurred August 25.
e Estimated