

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 mi².

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 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 2	0915	3,340	12.98	Mar 27	2000	3,470	13.20
Nov 30	1445	3,210	12.76	Apr 6	2045	3,160	12.67
Dec 7	0430	*3,680	*13.56	Jun 12	1045	3,600	13.42
Jan 7	1815	3,350	13.00	Aug 30	0445	3,230	12.78

Minimum discharge, 62 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	240	1,730	693	231	315	494	e806	211	94	77	505
2	68	1,930	1,470	776	241	313	508	e670	360	97	72	361
3	73	1,110	1,070	618	257	258	469	e548	222	86	72	213
4	72	731	637	591	280	214	378	e370	182	81	72	142
5	71	498	448	510	249	203	296	e264	139	101	69	115
6	69	333	652	777	246	192	1,070	204	119	91	182	104
7	70	230	2,490	1,550	238	191	2,110	180	115	88	284	96
8	71	182	1,680	1,920	249	209	1,710	165	116	84	220	91
9	74	154	2,060	1,430	266	206	1,740	162	340	81	111	88
10	77	140	1,230	1,180	252	197	993	158	213	81	102	86
11	170	166	810	758	215	183	1,200	155	155	223	91	84
12	287	219	640	580	196	174	981	150	2,010	225	84	82
13	146	234	472	1,330	255	163	644	140	820	207	78	82
14	125	225	372	907	298	156	560	141	628	181	71	82
15	107	180	325	998	353	151	388	139	441	e224	73	496
16	94	159	301	816	290	162	286	131	273	e247	86	280
17	85	147	292	525	231	160	227	127	181	145	160	216
18	108	144	280	392	197	156	196	124	139	177	139	169
19	648	202	275	343	179	157	179	115	118	163	114	129
20	360	174	241	280	819	158	162	107	108	148	100	112
21	277	164	234	267	1,280	157	163	101	102	123	88	104
22	166	158	828	233	1,050	187	190	101	98	119	82	100
23	153	629	684	202	1,040	210	203	101	94	108	83	96
24	174	1,520	698	191	685	219	183	98	91	100	79	93
25	141	922	618	195	459	199	154	92	88	94	78	674
26	205	733	450	188	352	179	160	91	91	90	91	238
27	196	614	375	176	293	1,190	165	90	104	86	814	138
28	1,110	450	314	169	320	2,090	192	88	93	98	173	120
29	584	470	562	210	---	872	372	87	90	92	166	113
30	464	2,420	800	240	---	604	1,530	86	87	85	1,760	104
31	361	---	814	268	---	499	---	87	---	81	518	---
TOTAL	6,669	15,478	23,852	19,313	11,021	10,324	17,903	5,878	7,828	3,900	6,189	5,313
MEAN	215	516	769	623	394	333	597	190	261	126	200	177
MAX	1,110	2,420	2,490	1,920	1,280	2,090	2,110	806	2,010	247	1,760	674
MIN	63	140	234	169	179	151	154	86	87	81	69	82
CFSM	1.02	2.45	3.65	2.95	1.87	1.58	2.83	0.90	1.24	0.60	0.95	0.84
IN.	1.18	2.73	4.21	3.40	1.94	1.82	3.16	1.04	1.38	0.69	1.09	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	167	312	549	465	525	446	418	460	185	138	151	195
MAX	407	837	1,372	1,099	1,432	1,215	707	1,431	290	430	418	962
(WY)	(2003)	(2002)	(2002)	(1999)	(2003)	(2002)	(2004)	(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)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	119,899		133,668		333	
ANNUAL MEAN	328		366		515	
HIGHEST ANNUAL MEAN					145	
LOWEST ANNUAL MEAN					10,500	
HIGHEST DAILY MEAN	2,930	Apr 22	2,490	Dec 7	10,500	Sep 27, 2002
LOWEST DAILY MEAN	61	Sep 21	63	Oct 1	41	Jul 15, 2001
ANNUAL SEVEN-DAY MINIMUM	63	Sep 20	69	Oct 1	45	Jul 13, 2001
MAXIMUM PEAK FLOW					10,800	Sep 28, 2002
MAXIMUM PEAK STAGE					a19.21	Sep 28, 2002
INSTANTANEOUS LOW FLOW					40	Jul 15, 2001
ANNUAL RUNOFF (CFSM)	1.55		1.74		1.58	
ANNUAL RUNOFF (INCHES)	21.14		23.57		21.47	
10 PERCENT EXCEEDS	703		846		626	
50 PERCENT EXCEEDS	162		196		150	
90 PERCENT EXCEEDS	80		86		65	

a Peak stage determined from crest-stage gage.

e Estimated

