

03446000 MILLS RIVER NEAR MILLS RIVER, NC

LOCATION.--Lat 35°23'55", long 82°35'41", Henderson County, Hydrologic Unit 06010105, on right bank 1.5 mi downstream of confluence of North and South Forks, 1.8 mi northwest of Mills River, 4.2 mi northwest of Horseshoe, and at mile 4.6.

DRAINAGE AREA.--66.7 mi².

PERIOD OF RECORD.--September 1924 to September 1926, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage area. WSP 923: 1935, 1937, 1939. WSP 1003: 1938, 1940-42. WSP 1143: 1940(P). WSP 1276: 1926.

GAGE.--Water-stage recorder. Datum of gage is 2,088.47 ft above NGVD of 1929 (levels by Tennessee Valley Authority). Prior to Oct. 1, 1926, nonrecording gage at site 500 ft upstream at 2,091.44 ft. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. City of Hendersonville diverted about 4.7 ft³/s from North Fork and Bradley Creek for municipal water supply. Maximum discharge for period of record, from rating curve extended above 6,200 ft³/s on basis of slope-area measurement of peak flow. Minimum discharge for period of record result of freezeup. Minimum discharge for current water year also occurred Aug. 29

. EXTREMES FOR CURRENT YEAR.--Peak discharges associated with the remnants of Hurricanes Frances and Ivan:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sep 8	0145	7,270	12.31	Sep 17	0615	6,090	11.84

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	129	207	172	108	160	136	140	119	142	156	83
2	135	125	196	169	115	161	119	176	103	141	142	292
3	131	122	188	165	181	162	115	171	101	168	140	173
4	128	119	204	162	155	156	112	157	135	160	118	128
5	125	188	218	168	149	153	107	145	110	143	111	108
6	123	282	199	164	763	170	105	140	101	124	108	113
7	122	225	186	152	593	160	105	134	100	119	93	1,480
8	127	190	181	150	360	157	103	129	100	112	87	e4,430
9	156	169	175	150	290	152	103	160	99	104	84	1,120
10	166	158	438	146	258	149	101	134	97	123	82	669
11	158	151	459	140	238	143	101	122	98	180	107	519
12	149	145	326	139	249	138	135	122	100	132	121	437
13	140	139	285	137	234	133	468	147	142	120	107	382
14	140	130	304	135	224	131	338	193	111	101	88	345
15	138	128	286	133	227	136	240	147	204	93	82	316
16	133	126	260	129	221	143	203	137	216	87	81	386
17	130	124	277	128	206	133	181	153	173	92	82	3,200
18	129	126	250	140	198	132	167	167	159	121	78	1,080
19	125	1,390	237	130	191	130	157	165	130	90	76	727
20	122	583	223	124	187	125	150	152	113	85	76	595
21	120	395	212	122	187	129	143	145	109	81	76	516
22	117	321	207	120	181	122	137	148	152	78	71	456
23	114	280	201	117	177	119	133	154	130	82	74	412
24	113	271	241	116	174	116	130	180	119	75	101	380
25	111	245	209	127	170	116	126	139	116	96	99	354
26	182	227	198	125	169	116	174	127	154	125	79	330
27	257	217	191	e116	171	114	180	120	139	170	73	393
28	175	265	185	e114	170	114	146	112	145	191	70	1,300
29	153	242	180	113	163	114	137	108	156	138	85	631
30	140	221	190	e110	---	115	134	121	140	223	78	514
31	133	---	176	112	---	139	---	137	---	204	93	---
TOTAL	4,331	7,433	7,289	4,225	6,709	4,238	4,686	4,482	3,871	3,900	2,918	21,869
MEAN	140	248	235	136	231	137	156	145	129	126	94.1	729
MAX	257	1,390	459	172	763	170	468	193	216	223	156	4,430
MIN	111	119	175	110	108	114	101	108	97	75	70	83
CFSM	2.09	3.71	3.53	2.04	3.47	2.05	2.34	2.17	1.93	1.89	1.41	10.9
IN.	2.42	4.15	4.07	2.36	3.74	2.36	2.61	2.50	2.16	2.18	1.63	12.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2004,® BY WATER YEAR (WY)

MEAN	124	142	163	196	218	242	234	188	150	121	127	122
MAX	465	510	338	534	499	520	468	425	359	356	506	729
(WY)	(1965)	(1980)	(1962)	(1937)	(1998)	(1979)	(1957)	(2003)	(1992)	(1989)	(1940)	(2004)
MIN	24.8	35.2	40.7	43.5	88.9	87.5	79.7	76.2	41.7	38.6	25.4	22.8
(WY)	(1955)	(1955)	(1940)	(1956)	(1941)	(1988)	(1986)	(1988)	(1988)	(1988)	(1925)	(1925)

03446000 MILLS RIVER NEAR MILLS RIVER, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1925 - 2004 [®]	
ANNUAL TOTAL	91,092		75,951		169	
ANNUAL MEAN	250		208		86.3	
HIGHEST ANNUAL MEAN					272	1949
LOWEST ANNUAL MEAN					86.3	2002
HIGHEST DAILY MEAN	1,490	Jul 2	4,430	Sep 8	4,470	Aug 13, 1940
LOWEST DAILY MEAN	103	Feb 13	70	Aug 28	18	Sep 30, 1954
ANNUAL SEVEN-DAY MINIMUM	108	Feb 8	76	Aug 17	19	Sep 24, 1954
MAXIMUM PEAK FLOW			7,270	Sep 8	13,400*	Aug 30, 194
MAXIMUM PEAK STAGE			12.31	Sep 8	13.62	Aug 30, 1940
INSTANTANEOUS LOW FLOW			68*	Aug 28	16*	Dec 24, 1943
ANNUAL RUNOFF (CFSM)	3.74		3.11		2.53	
ANNUAL RUNOFF (INCHES)	50.80		42.36		34.39	
10 PERCENT EXCEEDS	377		308		301	
50 PERCENT EXCEEDS	219		140		135	
90 PERCENT EXCEEDS	125		100		54	

* See REMARKS.
[®] See PERIOD OF RECORD.
 e Estimated.

