

03446000 MILLS RIVER NEAR MILLS RIVER, NC

LOCATION.--Lat 35°23'53", long 82°35'42", 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.--No estimated daily discharges. Records good. City of Hendersonville diverted about 6.1 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 June 1, Sept. 30.

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	453	163	325	195	149	160	244	175	151	248	219	299
2	414	163	276	190	146	144	274	160	377	261	202	251
3	385	180	255	183	177	141	242	154	277	229	189	220
4	359	449	238	180	177	139	225	150	241	301	181	201
5	336	317	225	175	160	147	212	149	203	306	173	189
6	318	242	224	173	156	148	203	148	184	251	172	179
7	305	217	238	167	152	142	201	144	183	699	224	170
8	289	201	227	174	150	173	260	141	209	549	272	164
9	279	190	300	162	150	158	239	137	207	395	237	156
10	269	182	335	159	146	150	218	140	186	331	213	151
11	259	178	284	156	140	145	206	145	217	372	197	146
12	252	309	258	153	138	140	217	134	486	541	181	141
13	256	263	241	182	138	136	259	135	996	438	175	137
14	240	228	225	416	144	141	293	132	544	373	170	132
15	232	212	214	264	142	133	263	144	393	339	160	128
16	222	201	209	229	136	142	240	136	318	327	158	130
17	215	193	204	208	132	151	224	127	272	313	240	132
18	212	186	196	193	128	140	214	125	249	331	287	124
19	216	181	192	188	126	138	204	127	240	333	294	118
20	210	177	180	184	133	133	196	215	238	389	233	116
21	200	172	180	179	172	130	189	179	232	379	325	113
22	193	169	179	172	176	136	200	153	211	325	244	112
23	197	183	519	163	151	235	209	140	195	288	240	109
24	194	346	368	162	163	193	190	130	180	261	219	107
25	185	364	297	162	153	173	182	123	170	243	199	105
26	179	282	263	157	146	162	177	120	173	228	188	113
27	176	255	240	151	142	174	175	117	378	216	178	110
28	175	263	226	146	170	652	165	117	282	226	171	105
29	190	233	217	152	---	398	162	114	335	281	175	105
30	173	222	208	171	---	312	180	110	280	241	546	105
31	167	---	202	157	---	270	---	107	---	225	419	---
TOTAL	7,750	6,921	7,745	5,703	4,193	5,736	6,463	4,328	8,607	10,239	7,081	4,368
MEAN	250	231	250	184	150	185	215	140	287	330	228	146
MAX	453	449	519	416	177	652	293	215	996	699	546	299
MIN	167	163	179	146	126	130	162	107	151	216	158	105
CFSM	3.75	3.46	3.75	2.76	2.25	2.77	3.23	2.09	4.30	4.95	3.42	2.18
IN.	4.32	3.86	4.32	3.18	2.34	3.20	3.60	2.41	4.80	5.71	3.95	2.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2005,® BY WATER YEAR (WY)

	125	143	164	196	217	241	233	188	152	124	128	123
MEAN	125	143	164	196	217	241	233	188	152	124	128	123
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)

TENNESSEE RIVER BASIN

03446000 MILLS RIVER NEAR MILLS RIVER, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1925 - 2005 [®]	
ANNUAL TOTAL	79,314		79,134		169	
ANNUAL MEAN	217		217		86.3	
HIGHEST ANNUAL MEAN					272	1949
LOWEST ANNUAL MEAN					86.3	2002
HIGHEST DAILY MEAN	4,430	Sep 8	996	Jun 13	4,470	Aug 13, 1940
LOWEST DAILY MEAN	70	Aug 28	105	Sep 25	18	Sep 30, 1954
ANNUAL SEVEN-DAY MINIMUM	76	Aug 17	107	Sep 24	19	Sep 24, 1954
MAXIMUM PEAK FLOW			1,310	Jun 13	13,400*	Aug 30, 1940
MAXIMUM PEAK STAGE			4.34	Jun 13	13.62	Aug 30, 1940
INSTANTANEOUS LOW FLOW			103*	May 31	16*	Dec 24, 1943
ANNUAL RUNOFF (CFSM)	3.25		3.25		2.54	
ANNUAL RUNOFF (INCHES)	44.24		44.13		34.52	
10 PERCENT EXCEEDS	337		329		302	
50 PERCENT EXCEEDS	156		190		136	
90 PERCENT EXCEEDS	100		134		54	

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

