

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 5.4 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 Oct. 15.

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	124	78	92	299	114	223	213	370	226	226	313	307
2	105	76	89	256	110	214	207	500	216	1,490	304	248
3	96	73	88	256	108	198	199	394	245	617	311	221
4	85	71	95	229	126	189	194	339	234	435	381	214
5	81	84	195	216	114	184	212	419	210	428	531	205
6	75	139	153	206	110	361	197	1,200	201	374	325	188
7	71	95	128	191	118	287	347	1,050	457	344	332	183
8	70	87	120	186	106	250	305	760	415	305	345	178
9	69	87	114	177	104	230	310	596	308	311	316	174
10	69	95	114	171	112	213	421	506	264	300	316	170
11	74	234	241	162	110	201	490	448	242	272	309	164
12	68	224	189	155	106	192	415	400	245	247	311	159
13	64	182	268	152	103	184	378	368	226	270	309	153
14	60	152	307	149	117	178	337	343	224	282	266	149
15	93	137	239	144	168	173	307	334	220	399	246	161
16	265	287	205	142	190	232	286	319	229	300	299	145
17	140	289	182	142	187	197	271	324	351	280	286	135
18	110	223	166	e137	175	218	337	353	267	283	249	130
19	96	189	160	e134	163	318	299	324	267	282	229	125
20	88	166	370	e132	152	751	278	303	232	256	219	123
21	83	168	251	e130	145	540	282	310	211	239	226	123
22	80	151	215	e128	661	406	269	437	200	263	237	257
23	77	135	193	e127	709	346	249	414	189	258	224	365
24	75	127	485	e125	406	307	238	377	180	226	205	197
25	77	120	463	e123	318	280	234	340	173	211	196	169
26	89	114	352	e122	278	262	233	320	168	201	184	156
27	78	110	299	e121	265	246	219	294	195	194	178	150
28	79	104	264	e119	242	234	210	275	204	202	183	169
29	93	100	240	e120	---	226	219	265	181	267	199	143
30	94	97	222	131	---	248	357	251	176	273	273	140
31	84	---	211	121	---	223	---	240	---	277	251	---
TOTAL	2,812	4,194	6,710	5,003	5,617	8,311	8,513	13,173	7,156	10,312	8,553	5,401
MEAN	90.7	140	216	161	201	268	284	425	239	333	276	180
MAX	265	289	485	299	709	751	490	1,200	457	1,490	531	365
MIN	60	71	88	119	103	173	194	240	168	194	178	123
CFSM	1.36	2.10	3.25	2.42	3.01	4.02	4.25	6.37	3.58	4.99	4.14	2.70
IN.	1.57	2.34	3.74	2.79	3.13	4.64	4.75	7.35	3.99	5.75	4.77	3.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2003,® BY WATER YEAR (WY)

	124	141	162	197	218	244	235	189	151	121	128	114
MEAN	465	510	338	534	499	520	468	425	359	356	506	354
(WY)	(1965)	(1980)	(1962)	(1937)	(1998)	(1979)	(1957)	(2003)	(1992)	(1989)	(1940)	(1979)
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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1925 - 2003 [®]	
ANNUAL TOTAL	38,771		85,755		168	
ANNUAL MEAN	106		235		86.3	
HIGHEST ANNUAL MEAN					272	1949
LOWEST ANNUAL MEAN					86.3	2002
HIGHEST DAILY MEAN	783	Sep 27	1,490	Jul 2	4,470	Aug 13, 1940
LOWEST DAILY MEAN	22	Sep 11	60	Oct 14	18	Sep 30, 1954
ANNUAL SEVEN-DAY MINIMUM	24	Sep 7	68	Oct 8	19	Sep 24, 1954
MAXIMUM PEAK FLOW			2,430	Jul 2	13,400*	Aug 30, 1940
MAXIMUM PEAK STAGE			6.43	Jul 2	13.62	Aug 30, 1940
INSTANTANEOUS LOW FLOW			59*	Oct 14	16*	Dec 24, 1943
ANNUAL RUNOFF (CFSM)	1.59		3.52		2.52	
ANNUAL RUNOFF (INCHES)	21.62		47.83		34.27	
10 PERCENT EXCEEDS	190		370		301	
50 PERCENT EXCEEDS	90		214		134	
90 PERCENT EXCEEDS	36		95		54	

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

