

## 02128000 LITTLE RIVER NEAR STAR, NC

LOCATION.--Lat 35°23'14", long 79°49'53", Montgomery County, Hydrologic Unit 03040104, on left bank 9 ft downstream from bridge on Secondary Road 1340, 50 ft upstream from Black Rock Branch, 0.2 mi upstream from Norfolk Southern Railway bridge, 0.3 mi downstream from West Fork Little River, and 3 mi west of Star.

DRAINAGE AREA.--106 mi<sup>2</sup>.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1949-54. April 1954 to current year.

REVISED RECORDS.--WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 409.00 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. No flow also occurred Aug. 13-15, 25-26, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1945 reached a stage of about 20 ft, from information by local resident.

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	0.82	41	29	576	123	332	162	97	239	97	164	146
2	0.72	29	28	435	83	506	126	135	125	795	503	111
3	0.59	22	27	180	68	302	111	94	120	485	149	86
4	0.51	19	27	145	65	185	102	137	218	164	142	84
5	0.53	18	421	107	129	151	96	122	145	117	788	265
6	0.46	151	380	89	81	1,760	99	379	111	99	1,540	111
7	0.38	140	289	78	361	556	485	292	150	90	270	86
8	0.44	59	148	72	243	231	562	158	411	85	467	80
9	0.51	40	107	70	121	165	1,710	114	376	81	506	76
10	1.5	30	85	65	113	134	e3,900	97	194	133	5,510	73
11	3,070	28	98	60	142	114	e2,400	87	128	95	1,330	69
12	2,060	184	187	55	101	103	452	81	120	94	275	66
13	117	458	595	53	80	100	256	73	126	88	332	65
14	61	130	778	53	71	185	186	68	107	90	253	65
15	42	73	198	52	72	145	156	67	98	85	398	64
16	363	77	115	50	78	396	141	69	96	78	175	62
17	218	971	87	51	88	277	128	68	123	72	152	57
18	74	493	72	50	93	169	123	72	158	79	290	152
19	43	154	65	e50	225	147	184	348	666	228	166	1,310
20	30	93	109	e49	211	3,670	161	154	313	115	130	191
21	23	71	153	49	156	1,500	128	100	160	83	117	119
22	40	60	90	47	796	314	121	936	122	73	108	100
23	56	50	71	47	868	200	112	1,060	105	75	133	1,350
24	41	43	257	e47	230	153	99	361	95	80	109	300
25	28	39	990	e46	141	129	97	1,380	89	84	114	138
26	23	37	342	e46	114	116	107	573	85	68	95	103
27	20	36	149	e45	343	107	109	232	81	65	88	89
28	18	33	106	e45	868	101	98	163	101	65	83	83
29	46	31	88	44	---	101	89	137	113	72	78	76
30	85	31	76	59	---	273	85	140	88	202	74	69
31	64	---	70	227	---	380	---	149	---	117	147	---
TOTAL	6,528.46	3,641	6,237	3,042	6,064	13,002	12,585	7,943	5,063	4,154	14,686	5,646
MEAN	211	121	201	98.1	217	419	420	256	169	134	474	188
MAX	3,070	971	990	576	868	3,670	3,900	1,380	666	795	5,510	1,350
MIN	0.38	18	27	44	65	100	85	67	81	65	74	57
CFSM	1.99	1.14	1.90	0.93	2.04	3.96	3.96	2.42	1.59	1.26	4.47	1.78
IN.	2.29	1.28	2.19	1.07	2.13	4.56	4.42	2.79	1.78	1.46	5.15	1.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

	70.0	66.2	96.3	168	209	222	174	98.9	71.1	66.9	57.8	51.0
MEAN	337	366	361	511	467	678	430	296	273	578	474	261
(WY)	(1991)	(1986)	(1973)	(1998)	(1960)	(1998)	(1958)	(1990)	(1972)	(1997)	(2003)	(1979)
MIN	4.03	7.77	11.0	23.5	38.6	47.0	38.0	13.7	2.55	1.20	0.50	0.76
(WY)	(1987)	(2002)	(2002)	(2001)	(2002)	(1967)	(1967)	(2002)	(2002)	(2002)	(2002)	(1968)

02128000 LITTLE RIVER NEAR STAR, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	25,698.61		88,591.46		112	
ANNUAL MEAN	70.4		243		243	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					27.4	
HIGHEST DAILY MEAN	3,070	Oct 11	5,510	Aug 10	9,800	Jul 23, 1997
LOWEST DAILY MEAN	0.00	Aug 12	0.38	Oct 7	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 10	0.49	Oct 3	0.00	Aug 10, 2002
MAXIMUM PEAK FLOW			10,600	Aug 10	15,400	Jul 23, 1997
MAXIMUM PEAK STAGE			15.40	Aug 10	18.60	Jul 23, 1997
INSTANTANEOUS LOW FLOW			0.34	Oct 8	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	0.66		2.29		1.06	
ANNUAL RUNOFF (INCHES)	9.02		31.09		14.41	
10 PERCENT EXCEEDS	134		474		196	
50 PERCENT EXCEEDS	23		107		49	
90 PERCENT EXCEEDS	0.27		42		8.9	

e Estimated.  
 \* See REMARKS.

