

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 mi².

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.--No estimated daily discharges. Records good. 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	60	58	59	83	267	129	58	38	98	20	53
2	64	57	53	59	65	181	133	616	29	46	17	30
3	61	54	50	59	153	135	94	693	25	33	17	20
4	62	54	51	60	189	116	83	182	30	27	17	17
5	61	55	71	61	97	107	76	111	32	23	14	15
6	59	58	73	140	130	103	72	89	32	20	9.3	13
7	60	63	65	92	683	102	72	77	31	18	6.9	21
8	62	76	59	67	213	95	72	69	27	15	5.8	3,200
9	65	68	55	64	130	91	71	64	32	12	5.1	1,380
10	67	60	73	65	110	88	69	61	75	10	4.4	145
11	80	57	263	62	100	85	68	57	46	22	3.7	73
12	75	57	124	61	181	83	74	54	35	14	6.1	51
13	68	57	82	63	327	81	176	53	29	39	133	40
14	66	53	175	62	164	77	274	52	27	25	734	34
15	73	51	251	61	158	92	133	50	52	17	250	32
16	71	53	127	57	238	127	96	48	52	10	61	31
17	61	54	110	55	165	185	84	45	40	7.8	35	62
18	58	54	130	65	132	136	78	43	33	43	34	185
19	56	67	102	84	117	147	73	41	28	30	35	73
20	55	121	84	71	107	129	71	41	28	17	24	43
21	54	83	74	60	100	104	68	39	21	13	17	33
22	54	64	71	57	94	93	65	39	22	10	15	30
23	53	59	69	57	88	84	61	43	21	8.4	14	27
24	51	57	71	56	88	81	60	50	30	6.9	14	25
25	51	55	71	56	87	80	57	41	36	5.7	13	23
26	55	53	67	59	85	79	57	35	71	5.2	11	23
27	62	53	64	58	102	79	68	32	72	8.4	9.7	122
28	68	56	63	58	117	80	64	30	48	15	9.0	2,120
29	150	72	63	61	230	77	57	28	110	81	8.8	502
30	119	69	63	78	---	76	54	29	136	53	19	142
31	70	---	61	101	---	84	---	36	---	38	161	---
TOTAL	2,078	1,850	2,793	2,068	4,533	3,344	2,609	2,906	1,288	771.4	1,723.8	8,565
MEAN	67.0	61.7	90.1	66.7	156	108	87.0	93.7	42.9	24.9	55.6	286
MAX	150	121	263	140	683	267	274	693	136	98	734	3,200
MIN	51	51	50	55	65	76	54	28	21	5.2	3.7	13
CFSM	0.63	0.58	0.85	0.63	1.47	1.02	0.82	0.88	0.41	0.23	0.52	2.69
IN.	0.73	0.65	0.98	0.73	1.59	1.17	0.92	1.02	0.45	0.27	0.60	3.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	69.9	66.1	96.1	166	208	219	172	98.8	70.6	66.1	57.8	55.6
MAX	337	366	361	511	467	678	430	296	273	578	474	286
(WY)	(1991)	(1986)	(1973)	(1998)	(1960)	(1998)	(1958)	(1990)	(1972)	(1997)	(2003)	(2004)
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)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	78,906		34,529.2		112	
ANNUAL MEAN	216		94.3		27.4	
HIGHEST ANNUAL MEAN					243	2003
LOWEST ANNUAL MEAN					27.4	2002
HIGHEST DAILY MEAN	5,510	Aug 10	3,200	Sep 8	9,800	Jul 23, 1997
LOWEST DAILY MEAN	44	Jan 29	3.7	Aug 11	0.00	Aug 12, 2002
ANNUAL SEVEN-DAY MINIMUM	46	Jan 23	5.9	Aug 6	0.00	Aug 10, 2002
MAXIMUM PEAK FLOW			5,790	Sep 8	15,400	Jul 23, 1997
MAXIMUM PEAK STAGE			11.49	Sep 8	18.60	Jul 23, 1997
INSTANTANEOUS LOW FLOW			3.3	Aug 12	0.00*	Aug 12, 2002
ANNUAL RUNOFF (CFSM)	2.04		0.890		1.06	
ANNUAL RUNOFF (INCHES)	27.69		12.12		14.36	
10 PERCENT EXCEEDS	379		136		194	
50 PERCENT EXCEEDS	99		61		50	
90 PERCENT EXCEEDS	55		17		9.0	

* See REMARKS.

