

PEE DEE RIVER BASIN

02128000 LITTLE RIVER NEAR STAR, NC

LOCATION.--Lat 35°23'11", long 79°49'56", 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 sea level. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Oct. 5, 1968, as a result of upstream withdrawals for water supply. Minimum discharge for current water year also occurred Sept. 18-20.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	6.9	9.2	13	22	31	125	20	96	24	12	6.4
2	6.0	6.5	8.8	12	21	28	128	19	104	20	11	5.1
3	5.4	7.1	8.8	11	24	28	70	18	52	18	9.9	4.1
4	4.6	6.9	8.8	12	21	284	55	17	27	19	8.7	5.1
5	4.2	7.0	8.6	12	17	263	48	16	19	152	7.6	5.2
6	4.0	6.3	8.5	12	17	136	42	15	15	88	7.0	4.7
7	3.3	6.5	8.2	13	17	70	39	14	12	41	5.6	3.7
8	2.6	7.6	8.5	14	16	49	35	14	12	e35	5.1	3.0
9	2.5	7.7	8.8	14	16	41	32	14	11	e30	4.0	2.8
10	2.4	7.7	8.8	15	17	36	30	14	11	31	4.2	3.2
11	2.6	8.0	8.8	17	17	32	28	14	10	26	5.7	2.8
12	2.7	7.8	8.8	15	20	30	27	14	9.0	22	11	2.3
13	3.0	7.4	8.7	16	40	33	26	13	10	20	46	1.8
14	3.2	10	8.7	17	69	32	30	12	33	20	36	1.4
15	3.0	7.9	8.8	17	60	42	26	11	33	17	29	1.3
16	2.9	9.5	18	17	49	101	25	12	36	14	14	1.0
17	3.0	11	203	16	232	76	23	28	35	13	8.8	.71
18	3.1	11	145	15	227	49	21	25	19	11	65	.65
19	3.1	13	48	16	72	39	20	20	13	12	126	.65
20	3.5	13	32	44	46	40	20	17	10	12	51	44
21	3.5	13	24	144	36	345	20	14	8.6	10	24	58
22	4.0	12	21	58	35	255	20	15	9.1	9.8	14	13
23	3.7	11	18	37	40	120	19	24	67	9.0	10	6.2
24	3.6	12	17	29	40	71	19	18	50	13	8.0	8.7
25	4.6	13	16	24	39	54	27	18	194	19	7.1	12
26	5.2	21	14	21	40	45	115	18	184	14	5.9	13
27	6.5	37	14	20	47	40	45	19	82	16	5.2	12
28	6.0	25	14	18	36	37	29	25	51	22	4.8	7.8
29	6.5	17	15	17	---	123	24	24	35	18	5.1	5.4
30	5.8	13	14	20	---	1050	20	22	28	15	5.1	4.1
31	5.8	---	13	22	---	253	---	18	---	13	5.2	---
TOTAL	127.7	342.8	756.8	728	1333	3833	1188	542	1275.7	783.8	562.0	240.11
MEAN	4.12	11.4	24.4	23.5	47.6	124	39.6	17.5	42.5	25.3	18.1	8.00
MAX	7.4	37	203	144	232	1050	128	28	194	152	126	58
MIN	2.4	6.3	8.2	11	16	28	19	11	8.6	9.0	4.0	.65
CFSM	.04	.11	.23	.22	.45	1.17	.37	.16	.40	.24	.17	.08
IN.	.04	.12	.27	.26	.47	1.35	.42	.19	.45	.28	.20	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
MEAN	68.4	66.3	95.8	171	213
MAX	337	366	361	511	467
(WY)	1991	1986	1973	1998	1960
MIN	4.03	10.7	18.7	23.5	47.6
(WY)	1987	1962	2001	2001	1967

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1954 - 2001

ANNUAL TOTAL	24560.3	11712.91	
ANNUAL MEAN	67.1	32.1	111
HIGHEST ANNUAL MEAN			209
LOWEST ANNUAL MEAN			32.1
HIGHEST DAILY MEAN	1370	Jan 31	1050
LOWEST DAILY MEAN	1.3	Aug 26	.65
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 23	1.1
MAXIMUM PEAK FLOW			1700
MAXIMUM PEAK STAGE			7.13
INSTANTANEOUS LOW FLOW			.65*
ANNUAL RUNOFF (CFSM)	.63		.30
ANNUAL RUNOFF (INCHES)	8.62		4.11
10 PERCENT EXCEEDS	159		58
50 PERCENT EXCEEDS	22		16
90 PERCENT EXCEEDS	3.6		4.2

e Estimated.
* See REMARKS.

02128000 LITTLE RIVER NEAR STAR, NC--Continued

