

PEE DEE RIVER BASIN

02128000 LITTLE RIVER NEAR STAR, NC

LOCATION.--Lat 35°23'14", long 79°49'53", North American Datum of 1983, 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.--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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.0	7.5	5.7	33	21	261	16	6.6	0.98	e0.09	528
2	3.2	3.7	7.0	5.6	30	25	126	16	5.5	2.6	e0.07	86
3	2.9	3.6	6.4	8.0	27	243	69	16	7.2	9.8	e0.06	32
4	2.6	4.4	6.2	8.6	26	157	51	17	6.9	5.4	e0.05	17
5	2.4	7.4	6.2	8.0	24	73	42	21	5.5	2.1	e0.03	10
6	2.8	e5.8	6.2	15	24	49	38	21	4.5	1.6	e0.02	6.1
7	2.1	5.4	6.8	57	49	41	35	22	4.2	2.0	e0.02	4.0
8	2.2	5.9	6.9	54	173	36	33	27	3.0	1.5	0.02	2.4
9	2.6	6.7	6.5	33	103	34	32	31	2.3	0.97	0.02	1.5
10	2.5	6.9	7.6	25	61	33	36	23	1.8	0.79	0.01	0.99
11	2.4	7.1	59	23	51	31	37	17	1.6	1.3	0.01	0.68
12	2.3	7.6	52	19	48	30	35	14	1.4	0.91	0.00	0.53
13	2.4	7.3	26	20	41	33	34	13	1.4	0.55	0.00	0.45
14	5.8	6.7	16	18	35	64	32	13	1.3	0.47	0.00	1.0
15	18	6.2	11	16	32	60	31	16	0.97	0.40	0.00	2.7
16	9.6	8.2	8.3	15	30	43	30	15	0.92	0.40	0.01	6.2
17	7.2	8.1	6.7	14	29	40	29	13	0.90	0.33	0.02	19
18	7.8	7.3	8.5	13	26	54	27	12	0.88	0.29	0.02	11
19	5.2	7.0	8.0	59	25	61	26	12	0.89	0.24	0.02	256
20	4.1	6.8	6.9	557	25	50	26	11	0.79	0.23	0.02	49
21	3.9	e7.2	6.3	150	25	54	26	9.8	0.69	0.18	0.01	22
22	3.7	7.7	6.5	111	25	110	25	9.6	0.62	0.15	0.01	12
23	3.2	7.5	7.4	943	24	66	24	8.9	0.62	0.63	0.01	7.1
24	3.2	14	7.7	665	24	48	24	8.1	0.55	0.65	0.01	4.2
25	3.7	17	7.0	270	23	42	25	7.5	0.61	0.48	0.00	2.3
26	3.6	15	6.8	164	23	39	21	7.0	0.93	0.44	0.00	2.1
27	4.5	12	6.4	84	23	42	20	6.5	2.5	0.61	0.01	2.7
28	3.4	10	6.3	59	22	53	19	6.0	5.8	0.54	0.01	2.0
29	3.6	8.5	6.2	48	---	45	19	5.0	4.2	e0.31	0.01	1.4
30	3.6	8.0	6.1	41	---	39	17	5.2	1.5	e0.15	0.02	0.96
31	3.9	---	5.7	36	---	54	---	6.1	---	e0.09	15	---
TOTAL	131.9	233.0	342.1	3544.9	1081	1770	1250	425.7	76.57	37.09	15.58	1091.31
MEAN	4.255	7.767	11.04	114.4	38.61	57.10	41.67	13.73	2.552	1.196	0.503	36.38
MAX	18	17	59	943	173	243	261	31	7.2	9.8	15	528
MIN	2.1	3.6	5.7	5.6	22	21	17	5.0	0.55	0.09	0.00	0.45
CFSM	0.04	0.07	0.10	1.08	0.36	0.54	0.39	0.13	0.02	0.01	0.00	0.34
IN.	0.05	0.08	0.12	1.24	0.38	0.62	0.44	0.15	0.03	0.01	0.01	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2002, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
MEAN	67.04	65.08	94.08	169.4	209.0
MAX	337	366	361	511	467
(WY)	1991	1986	1973	1998	1960
MIN	4.03	7.77	11.0	23.5	38.6
(WY)	1987	2002	2002	2001	2002

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1954 - 2002

ANNUAL TOTAL	11192.61	9999.15	
ANNUAL MEAN	30.66	27.39	109.7
HIGHEST ANNUAL MEAN			209
LOWEST ANNUAL MEAN			27.6
HIGHEST DAILY MEAN	1050	Mar 30	943
LOWEST DAILY MEAN	0.65	Sep 18	0.00
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 13	0.00
MAXIMUM PEAK FLOW			2050
MAXIMUM PEAK STAGE			7.79
INSTANTANEOUS LOW FLOW			0.00*
ANNUAL RUNOFF (CFSM)	0.29		0.26
ANNUAL RUNOFF (INCHES)	3.93		3.51
10 PERCENT EXCEEDS	56		51
50 PERCENT EXCEEDS	15		7.4
90 PERCENT EXCEEDS	3.8		0.27

e Estimated.
* See REMARKS.

02128000 LITTLE RIVER NEAR STAR, NC--Continued

