

PEE DEE RIVER BASIN

02114450 LITTLE YADKIN RIVER AT DALTON, NC

LOCATION.--Lat 36°17'56", long 80°25'53", Stokes County, Hydrologic Unit 03040101, on left bank 1,200 ft downstream of bridge on U.S. Highway 52, 1.0 mi southwest of Dalton, 1.3 mi downstream of Southern Railway bridge, and 2.0 mi downstream of Danbury Creek.

DRAINAGE AREA.--42.8 mi².

PERIOD OF RECORD.--August 1960 to current year.

REVISED RECORDS.--WSP 2104: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 813.7 ft above sea level (North Carolina State Highway Commission bench mark). Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. A Natural Resources Conservation Service flood-control dam on upstream tributary, drainage area 4.7 mi² with flood storage of 695 acre-ft, was completed on June 21, 1977. Maximum discharge for period of record, from rating curve extended above 2,700 ft³/s on basis of slope-area measurement at gage height 17.86 ft. Minimum discharge for current water year also occurred July 23, 24.

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	18	15	13	e12	19	22	151	19	28	8.8	14	46
2	17	15	13	e12	19	21	95	21	25	8.6	12	30
3	16	15	13	e12	17	21	68	19	19	8.4	11	14
4	16	15	13	e12	17	41	58	18	17	8.9	9.6	15
5	16	15	13	e12	18	52	47	19	17	12	9.3	14
6	16	15	13	e12	17	36	42	22	21	9.1	8.4	12
7	14	15	13	e12	17	29	38	17	21	7.5	7.9	11
8	13	15	13	e12	17	26	35	17	18	13	7.4	9.9
9	13	24	13	e12	17	25	33	17	16	16	6.9	9.6
10	13	24	14	e12	19	23	30	16	14	11	6.5	10
11	14	15	14	e12	17	22	28	16	17	9.2	52	9.7
12	13	14	13	e12	18	22	27	16	15	7.5	53	8.9
13	14	14	13	e11	20	29	31	15	13	7.2	44	8.6
14	14	16	15	e11	22	24	27	14	12	7.2	41	8.5
15	13	14	15	e11	22	37	25	14	13	6.5	16	9.0
16	13	14	19	e11	23	45	25	28	13	5.8	12	9.1
17	13	14	45	e11	94	33	23	41	12	5.2	10	8.7
18	13	14	24	e20	42	28	23	25	10	6.0	35	9.2
19	13	14	e19	124	30	25	23	21	9.7	6.4	210	9.0
20	13	15	e16	277	25	29	22	35	9.6	5.8	45	13
21	14	13	e14	91	23	173	23	33	9.6	5.2	21	13
22	14	12	e13	47	23	89	22	38	9.9	4.7	15	10
23	14	13	e13	34	22	49	22	29	18	4.4	13	9.0
24	15	13	e13	28	22	36	24	22	16	5.8	39	21
25	15	15	e13	24	33	30	32	45	12	8.8	16	20
26	15	19	e13	22	34	27	24	47	11	52	13	11
27	15	16	e13	21	27	25	22	29	16	25	11	9.5
28	16	14	e13	19	24	24	21	24	11	19	11	8.9
29	15	13	e13	19	---	226	19	22	9.9	36	10	8.5
30	15	14	e13	24	---	309	19	19	9.2	42	9.6	8.8
31	15	---	e13	21	---	115	---	18	---	19	9.6	---
TOTAL	448	454	468	970	698	1693	1079	736	442.9	392.0	779.2	384.9
MEAN	14.5	15.1	15.1	31.3	24.9	54.6	36.0	23.7	14.8	12.6	25.1	12.8
MAX	18	24	45	277	94	309	151	47	28	52	210	46
MIN	13	12	13	11	17	21	19	14	9.2	4.4	6.5	8.5
CFSM	.34	.35	.35	.73	.58	1.28	.84	.55	.34	.30	.59	.30
IN.	.39	.39	.41	.84	.61	1.47	.94	.64	.38	.34	.68	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2001, BY WATER YEAR (WY)

MEAN	36.2	32.0	45.8	59.7	65.0	81.0	60.5	45.1	39.2	31.9	30.1	27.5
MAX	171	102	113	136	163	250	217	154	155	128	120	172
(WY)	1991	1993	1974	1978	1990	1975	1987	1984	1962	1978	1970	1979
MIN	7.47	11.2	15.1	17.2	24.9	20.1	18.0	14.0	7.15	4.27	6.48	5.08
(WY)	1987	1968	2001	1981	2001	1967	1967	1986	1986	1986	1986	1968

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1960 - 2001

ANNUAL TOTAL	11570.0	8545.0		
ANNUAL MEAN	31.6	23.4	46.0	
HIGHEST ANNUAL MEAN			75.2	1990
LOWEST ANNUAL MEAN			22.1	1967
HIGHEST DAILY MEAN	353	Sep 19	309	Mar 30
LOWEST DAILY MEAN	8.0	Aug 23	4.4	Jul 23
ANNUAL SEVEN-DAY MINIMUM	8.5	Aug 18	5.4	Jul 17
MAXIMUM PEAK FLOW			1210	Mar 29
MAXIMUM PEAK STAGE			4.14	Mar 29
INSTANTANEOUS LOW FLOW			4.3*	Jul 22
ANNUAL RUNOFF (CFSM)	.74		.55	
ANNUAL RUNOFF (INCHES)	10.06		7.43	
10 PERCENT EXCEEDS	52		38	73
50 PERCENT EXCEEDS	20		16	26
90 PERCENT EXCEEDS	13		9.2	12

e Estimated.

* See REMARKS.

02114450 LITTLE YADKIN RIVER AT DALTON, NC--Continued

