

## PEE DEE RIVER BASIN

02132320 BIG SHOE HEEL CREEK NEAR LAURINBURG, NC

LOCATION.--Lat 34°45'01", long 79°23'12", Scotland County, Hydrologic Unit 03040204, at downstream side of bridge near center of span on U.S. Highway 74, 2.5 mi downstream of Jordan Creek, and 4.5 mi southeast of Laurinburg.

DRAINAGE AREA.-- 83.3 mi<sup>2</sup>.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1949-54, 1959, 1962, 1968-69. June 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record from rating curve extended above 600 ft<sup>3</sup>/s by logarithmic plotting. Minimum discharge for period of record and current water year also occurred Aug. 14, 2002.

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	36	24	37	32	59	42	111	24	24	11	19	41
2	32	24	34	32	56	45	113	23	19	7.8	21	40
3	29	24	33	35	54	74	128	22	16	7.1	14	35
4	26	24	32	39	51	88	132	25	12	6.0	9.9	28
5	26	24	31	42	49	76	100	33	10	6.8	7.5	23
6	27	24	31	49	48	65	77	35	8.0	6.4	7.3	19
7	32	24	31	75	75	59	66	30	23	7.0	4.7	15
8	36	24	30	88	109	55	61	26	28	6.0	3.4	12
9	32	25	30	77	125	52	57	25	25	5.1	4.5	12
10	28	25	30	66	127	52	54	25	18	3.3	2.9	10
11	26	25	32	61	107	51	53	25	16	7.3	1.9	9.4
12	30	24	37	59	81	47	51	22	14	11	2.6	8.3
13	31	25	38	61	68	45	55	20	11	9.8	1.3	7.0
14	25	24	45	61	62	52	54	20	9.7	8.7	1.0	7.1
15	25	25	50	58	58	56	62	21	9.0	8.9	1.9	12
16	31	26	39	54	56	52	55	19	7.9	9.9	4.3	20
17	26	26	36	51	53	56	52	18	7.1	6.9	6.0	32
18	24	26	38	49	51	61	51	22	6.2	4.9	14	30
19	23	26	41	47	50	59	47	26	6.1	3.5	15	29
20	23	26	39	64	49	54	43	24	5.4	2.9	16	28
21	23	26	36	85	49	53	40	21	4.9	2.8	19	25
22	23	26	35	92	48	58	37	20	4.4	2.8	10	21
23	23	27	34	101	47	57	35	18	8.5	2.7	7.2	18
24	23	39	34	124	46	52	32	19	16	6.4	5.6	15
25	22	53	33	145	45	46	34	17	31	11	5.8	14
26	22	50	33	164	44	44	33	16	25	12	5.2	14
27	22	44	33	158	43	51	31	16	20	11	17	20
28	34	40	33	121	44	55	29	14	16	7.6	22	34
29	25	50	32	85	---	49	28	13	14	5.3	24	32
30	24	43	32	71	---	46	25	16	13	3.6	30	26
31	24	---	32	64	---	55	---	21	---	4.2	36	---
TOTAL	833	893	1081	2310	1754	1707	1746	676	428.2	209.7	340.0	636.8
MEAN	26.87	29.77	34.87	74.52	62.64	55.06	58.20	21.81	14.27	6.765	10.97	21.23
MAX	36	53	50	164	127	88	132	35	31	12	36	41
MIN	22	24	30	32	43	42	25	13	4.4	2.7	1.0	7.0
CFSM	0.32	0.36	0.42	0.89	0.75	0.66	0.70	0.26	0.17	0.08	0.13	0.25
IN.	0.37	0.40	0.48	1.03	0.78	0.76	0.78	0.30	0.19	0.09	0.15	0.28

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

	88.42	84.33	93.91	137.9	138.7	143.9	104.6	65.95	57.20	54.53	59.89	73.85
MEAN	88.42	84.33	93.91	137.9	138.7	143.9	104.6	65.95	57.20	54.53	59.89	73.85
MAX	329	143	141	283	342	327	229	157	122	175	171	161
(WY)	2000	1996	1990	2000	1998	1998	1998	1989	1995	1989	1991	1999
MIN	26.9	29.8	34.9	69.3	62.0	55.1	58.2	21.8	14.3	6.76	11.0	20.3
(WY)	2002	2002	2002	1989	1989	2002	2002	2002	2002	2002	2002	1990

## SUMMARY STATISTICS

## FOR 2001 CALENDAR YEAR

## FOR 2002 WATER YEAR

## WATER YEARS 1987 - 2002

ANNUAL TOTAL	17248	12614.7	
ANNUAL MEAN	47.25	34.56	91.70
HIGHEST ANNUAL MEAN			146
LOWEST ANNUAL MEAN			34.6
HIGHEST DAILY MEAN	149	Mar 18	1150
LOWEST DAILY MEAN	15	Aug 11	1.0
ANNUAL SEVEN-DAY MINIMUM	16	Aug 11	2.3
MAXIMUM PEAK FLOW			167
MAXIMUM PEAK STAGE			3.48
INSTANTANEOUS LOW FLOW			0.50*
ANNUAL RUNOFF (CFSM)	0.57	0.41	1.10
ANNUAL RUNOFF (INCHES)	7.70	5.63	14.96
10 PERCENT EXCEEDS	92	61	175
50 PERCENT EXCEEDS	34	28	69
90 PERCENT EXCEEDS	20	7.0	26

\* See REMARKS.

02132320 BIG SHOE HEEL CREEK NEAR LAURINBURG, NC--Continued

