

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 mi².

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 sea level. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Maximum discharge for period of record from rating curve extended above 600 ft³/s by logarithmic plotting. Minimum discharge for current water year also occurred Aug. 18.

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	93	48	126	76	69	70	147	48	49	27	19	22
2	70	45	101	72	67	68	132	44	65	27	18	23
3	64	45	92	70	65	66	97	40	79	27	17	23
4	58	46	88	68	65	97	82	33	60	25	16	26
5	55	49	82	68	72	115	76	30	43	31	16	27
6	53	51	79	68	73	122	71	27	36	33	17	26
7	52	51	76	68	69	108	67	26	32	29	17	24
8	50	51	75	69	66	88	64	25	31	29	17	21
9	49	56	72	75	64	79	61	24	32	39	17	20
10	48	58	79	76	64	73	58	24	31	39	16	20
11	47	60	85	72	61	69	54	24	30	37	15	21
12	47	56	83	72	70	66	48	24	28	34	15	20
13	48	54	78	78	100	68	45	24	32	30	15	20
14	47	61	74	78	113	67	43	23	41	28	18	19
15	51	76	73	75	112	92	42	22	52	26	17	18
16	51	78	72	71	95	126	42	22	52	24	16	17
17	46	80	95	69	116	142	43	29	64	23	15	16
18	45	81	98	67	131	149	43	41	73	20	17	16
19	44	85	96	66	138	124	41	40	60	19	42	16
20	44	111	90	92	126	99	40	34	45	20	45	16
21	45	120	85	114	101	111	40	31	38	19	40	17
22	48	128	80	124	96	122	39	29	35	18	33	21
23	46	121	76	115	106	130	38	30	35	18	27	21
24	47	99	73	93	106	126	37	31	35	20	24	24
25	46	108	70	81	96	105	49	27	57	23	23	62
26	46	151	69	76	88	87	66	27	55	23	21	74
27	47	168	68	71	81	78	61	26	43	26	20	82
28	53	183	83	68	76	72	55	28	37	26	19	84
29	54	188	92	66	---	84	59	46	33	23	20	77
30	47	165	89	66	---	117	54	60	30	23	21	50
31	46	---	82	69	---	136	---	54	---	21	23	---
TOTAL	1587	2673	2581	2393	2486	3056	1794	993	1333	807	656	923
MEAN	51.2	89.1	83.3	77.2	88.8	98.6	59.8	32.0	44.4	26.0	21.2	30.8
MAX	93	188	126	124	138	149	147	60	79	39	45	84
MIN	44	45	68	66	61	66	37	22	28	18	15	16
CFSM	.61	1.07	1.00	.93	1.07	1.18	.72	.38	.53	.31	.25	.37
IN.	.71	1.19	1.15	1.07	1.11	1.36	.80	.44	.60	.36	.29	.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	92.8	88.2	98.1	142	144	150	108	69.1	60.1	57.7	63.2	77.4			
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	41.3	54.1	50.2	69.3	62.0	72.0	59.8	32.0	28.3	15.6	21.2	20.3			
(WY)	1988	1995	1989	1989	1989	1988	2001	2001	1990	1990	2001	1990			

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1987 - 2001

ANNUAL TOTAL	42076	21282		
ANNUAL MEAN	115	58.3	95.8	
HIGHEST ANNUAL MEAN			146	2000
LOWEST ANNUAL MEAN			58.3	2001
HIGHEST DAILY MEAN	1050	Jan 27	188	Nov 29
LOWEST DAILY MEAN	25	Jun 3	15	Aug 11
ANNUAL SEVEN-DAY MINIMUM	29	Aug 19	16	Aug 11
MAXIMUM PEAK FLOW			189	Nov 28
MAXIMUM PEAK STAGE			3.60	Nov 28
INSTANTANEOUS LOW FLOW			15*	Aug 17
ANNUAL RUNOFF (CFSM)	1.38		.70	
ANNUAL RUNOFF (INCHES)	18.79		9.50	
10 PERCENT EXCEEDS	226		106	178
50 PERCENT EXCEEDS	76		52	72
90 PERCENT EXCEEDS	35		20	29

* See REMARKS.

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

