

02132320 BIG SHOE HEEL CREEK NEAR LAURINBURG, NC

LOCATION.--Lat 34°45'02", long 79°23'11", 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 NGVD of 1929, from topographic map. 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 period of record also occurred Aug. 14, 2002. Minimum discharge for current water year also occurred Oct. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	54	54	88	82	137	135	76	306	84	110	68
2	20	49	53	92	80	147	140	71	206	174	119	69
3	18	44	53	94	76	148	133	77	193	451	130	74
4	16	43	52	93	71	142	119	215	186	568	129	72
5	15	43	62	90	69	136	108	254	164	471	154	94
6	13	49	82	84	68	148	104	383	153	386	147	101
7	13	54	94	78	84	157	109	336	149	282	147	110
8	13	52	100	74	96	178	115	280	139	191	162	123
9	15	48	93	70	104	211	133	244	129	137	296	129
10	18	45	82	69	110	215	178	207	118	111	270	125
11	33	43	79	67	112	197	261	144	103	108	211	118
12	59	56	78	65	115	168	453	104	91	113	194	103
13	71	94	89	63	111	132	493	84	87	124	198	88
14	78	108	106	61	99	113	396	72	97	136	199	79
15	81	124	114	61	88	110	291	68	113	140	188	74
16	92	131	118	60	87	121	202	71	166	140	172	69
17	94	137	110	62	106	128	163	75	193	135	162	65
18	84	141	96	63	118	137	139	72	173	123	159	77
19	66	156	87	63	127	140	125	70	142	114	155	130
20	55	163	89	61	128	161	116	73	119	113	144	141
21	49	153	94	62	119	188	111	70	105	120	145	152
22	48	132	98	66	112	222	107	73	101	127	150	161
23	47	107	96	68	121	250	103	113	93	125	148	169
24	44	82	95	66	128	241	97	132	75	117	134	150
25	43	65	106	62	133	215	92	149	64	107	123	141
26	43	61	114	62	129	181	94	231	58	98	117	139
27	42	59	121	61	125	134	97	259	53	84	108	136
28	40	57	119	60	131	114	99	326	51	76	95	122
29	44	56	106	60	---	109	93	360	55	69	83	107
30	54	56	94	64	---	114	84	381	65	82	76	93
31	60	---	86	76	---	125	---	319	---	99	71	---
TOTAL	1,391	2,462	2,820	2,165	2,929	4,919	4,890	5,389	3,747	5,205	4,696	3,279
MEAN	44.9	82.1	91.0	69.8	105	159	163	174	125	168	151	109
MAX	94	163	121	94	133	250	493	383	306	568	296	169
MIN	13	43	52	60	68	109	84	68	51	69	71	65
CFSM	0.54	0.99	1.09	0.84	1.26	1.90	1.96	2.09	1.50	2.02	1.82	1.31
IN.	0.62	1.10	1.26	0.97	1.31	2.20	2.18	2.41	1.67	2.32	2.10	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2003, BY WATER YEAR (WY)

	85.7	84.2	93.7	134	137	145	108	72.7	61.2	61.2	65.3	75.9
MEAN	85.7	84.2	93.7	134	137	145	108	72.7	61.2	61.2	65.3	75.9
MAX	329	143	141	283	342	327	229	174	125	175	171	161
(WY)	(2000)	(1996)	(1990)	(2000)	(1998)	(1998)	(1998)	(2003)	(2003)	(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 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1987 - 2003

ANNUAL TOTAL	16,480.7	43,892	
ANNUAL MEAN	45.2	120	93.5
HIGHEST ANNUAL MEAN			146
LOWEST ANNUAL MEAN			34.6
HIGHEST DAILY MEAN	164	Jan 26	568
LOWEST DAILY MEAN	1.0	Aug 14	13
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 10	15
MAXIMUM PEAK FLOW			608
MAXIMUM PEAK STAGE			4.46
INSTANTANEOUS LOW FLOW			12*
ANNUAL RUNOFF (CFSM)	0.54	1.44	1.12
ANNUAL RUNOFF (INCHES)	7.36	19.60	15.25
10 PERCENT EXCEEDS	97	198	176
50 PERCENT EXCEEDS	43	107	72
90 PERCENT EXCEEDS	7.0	54	26

* See REMARKS.

02132320 BIG SHOE HEEL CREEK NEAR LAURINBURG, NC—Continued

