

Water-Data Report 2008

02132320 BIG SHOE HEEL CREEK NEAR LAURINBURG, NC

Lower Pee Dee Basin
Little Pee Dee Subbasin

LOCATION.--Lat 34°45'02", long 79°23'12" referenced to North American Datum of 1983, Scotland County, NC, Hydrologic Unit 03040204, downstream side of bridge on U.S. Highway 74, 2.5 mi downstream of Jordan Creek, and 4.5 mi southeast of Laurinburg.

DRAINAGE AREA.--83.3 mi².

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WDR NC-04-1: 1998, 2000 (water year maximum discharge)

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 August 14, 2002.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.8	78	35	179	73	102	93	152	43	23	59	161
2	9.1	57	34	180	86	87	102	146	42	21	51	106
3	9.9	49	34	169	94	72	108	98	38	20	59	75
4	11	45	34	144	93	72	117	73	35	21	58	66
5	12	42	34	115	83	113	191	70	32	20	51	66
6	13	40	33	93	76	110	276	93	29	23	42	323
7	13	38	33	76	73	118	328	99	28	41	40	549
8	13	37	33	72	70	142	368	83	28	49	71	839
9	12	36	34	69	67	155	308	72	24	57	66	737
10	12	35	37	71	64	182	215	66	23	74	52	534
11	13	34	34	74	62	190	167	69	22	149	50	373
12	12	34	33	78	61	172	138	82	30	201	49	272
13	12	33	33	75	68	147	123	79	31	237	65	216
14	11	33	33	71	80	126	113	68	28	237	120	196
15	11	33	33	68	88	107	107	63	26	209	132	182
16	11	33	62	65	86	116	100	68	27	163	157	168
17	11	33	76	71	78	126	91	67	25	88	146	158
18	11	32	89	85	121	137	84	61	23	54	131	150
19	12	32	101	95	132	132	79	58	21	53	138	147
20	13	32	87	111	132	122	78	56	21	57	173	140
21	12	31	75	116	123	114	77	58	23	56	184	126
22	11	31	74	117	126	112	79	55	30	51	136	114
23	12	32	72	110	134	102	78	53	49	46	80	104
24	15	32	72	100	150	92	78	47	47	52	66	96
25	30	32	71	91	155	84	73	45	39	48	60	90
26	66	34	92	82	144	79	68	43	34	45	81	132
27	82	40	115	77	132	76	67	41	31	43	120	160
28	91	43	129	73	124	74	86	37	28	39	141	177
29	104	38	148	71	114	71	114	43	26	36	157	190
30	118	37	172	70	---	70	134	51	25	34	191	190
31	118	---	180	71	---	73	---	46	---	41	191	---
Total	890.8	1,136	2,122	2,939	2,889	3,475	4,040	2,142	908	2,288	3,117	6,837
Mean	28.7	37.9	68.5	94.8	99.6	112	135	69.1	30.3	73.8	101	228
Max	118	78	180	180	155	190	368	152	49	237	191	839
Min	9.1	31	33	65	61	70	67	37	21	20	40	66
Cfsm	0.34	0.45	0.82	1.14	1.20	1.35	1.62	0.83	0.36	0.89	1.21	2.74
In.	0.40	0.51	0.95	1.31	1.29	1.55	1.80	0.96	0.41	1.02	1.39	3.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	82.1	86.4	100	129	131	137	106	68.8	59.8	61.4	64.6	86.0
Max	329	185	208	283	342	327	229	174	125	175	171	261
(WY)	(2000)	(2007)	(2006)	(2000)	(1998)	(1998)	(1998)	(2003)	(2003)	(1989)	(1991)	(2004)
Min	26.9	29.8	34.9	69.3	62.0	55.1	54.9	21.8	14.3	6.76	10.4	14.4
(WY)	(2002)	(2002)	(2002)	(1989)	(1989)	(2002)	(2006)	(2002)	(2002)	(2002)	(2007)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1987 - 2008	
Annual total	26,115.1		32,783.8			
Annual mean	71.5		89.6		92.6	
Highest annual mean					146	2000
Lowest annual mean					34.6	2002
Highest daily mean	359	Mar 19	839	Sep 8	1,150	Oct 20, 1999
Lowest daily mean	4.6	Aug 15	9.1	Oct 2	1.0	Aug 14, 2002
Annual seven-day minimum	6.1	Aug 14	11	Oct 1	2.3	Aug 10, 2002
Maximum peak flow			868	Sep 8	^a 1,200	Sep 10, 2004
Maximum peak stage			5.13	Sep 8	5.52	Sep 10, 2004
Instantaneous low flow			8.7	Oct 2	^a 0.50	Aug 13, 2002
Annual runoff (cfs)	0.859		1.08		1.11	
Annual runoff (inches)	11.66		14.64		15.10	
10 percent exceeds	174		167		173	
50 percent exceeds	42		72		72	
90 percent exceeds	11		24		27	

^aSee Remarks.