

02105900 HOOD CREEK NEAR LELAND, NC

LOCATION.--Lat 34°16'43", long 78°07'31", Brunswick County, Hydrologic Unit 03030005, on right bank at downstream side of bridge on U.S. Highway 74-76, 0.4 mi downstream from Pasture Pond Branch, 1 mi southeast of Maco, and 4.8 mi northwest of Leland.

DRAINAGE AREA.--21.6 mi².

PERIOD OF RECORD.--Occasional low-flow measurements water years 1950-56, and annual maximum, water years 1953-56. October 1956 to September 1973. October 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 12.22 ft above NGVD of 1929. Prior to Nov. 28, 1956, crest-stage gage at site 150 ft upstream at datum 9.60 ft lower. Nov. 29, 1956 to Apr. 24, 1969, water-stage recorder 150 ft upstream at datum 0.19 ft higher. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Maximum gage height for period of record from floodmark. Maximum gage height for current water year also occurred Aug. 16. Low flows possibly affected by tide. No flow, also occurred Sept. 11, 1997.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	71	15	24	32	88	8.5	20	3.9	7.8	14	42
2	3.6	52	14	23	29	66	8.5	71	3.0	14	14	59
3	3.0	41	14	22	30	54	8.3	90	3.7	15	15	64
4	2.5	34	15	21	32	45	7.7	103	8.2	12	15	46
5	1.8	31	22	20	30	40	7.1	56	10	11	15	35
6	1.3	28	24	19	28	35	6.5	32	9.0	10	18	32
7	1.1	25	21	18	36	31	6.1	21	7.9	8.5	16	54
8	24	23	19	17	37	28	6.1	16	6.4	7.3	15	100
9	97	21	17	18	31	24	5.9	12	5.3	7.7	13	159
10	71	21	25	20	27	24	5.6	9.6	4.4	7.1	11	128
11	46	19	88	20	25	23	5.5	8.0	3.4	8.5	9.3	93
12	37	18	76	20	45	22	5.6	6.8	7.8	15	9.6	121
13	28	16	49	19	95	20	5.9	5.9	7.7	20	206	87
14	24	14	122	18	85	18	5.8	6.0	6.7	17	200	59
15	32	14	186	17	158	17	5.6	5.8	6.0	13	262	45
16	39	14	105	16	129	20	5.3	5.6	5.0	11	296	42
17	27	14	78	15	102	23	4.8	5.3	5.4	10	166	50
18	22	13	67	16	120	21	4.3	5.5	7.0	13	98	64
19	19	23	56	16	94	17	3.6	5.3	4.9	17	65	59
20	17	58	47	15	69	15	3.2	5.1	3.1	17	45	46
21	15	49	40	15	55	13	2.7	4.6	2.5	14	48	35
22	14	33	37	14	46	11	2.4	3.6	2.3	13	155	27
23	12	27	33	14	39	10	2.4	2.9	1.9	11	110	21
24	12	23	48	14	36	9.3	2.4	2.3	1.2	10	63	18
25	11	20	58	13	34	9.1	2.4	1.8	0.89	8.9	41	16
26	12	18	48	28	41	8.7	2.9	1.4	0.69	8.5	33	14
27	18	18	38	91	127	8.5	4.1	0.99	0.63	8.3	37	16
28	52	17	33	84	227	8.3	5.2	0.87	1.5	8.7	59	17
29	298	16	30	60	135	8.0	5.9	1.4	1.3	15	58	17
30	228	15	28	46	---	7.8	6.4	3.6	2.1	13	56	17
31	109	---	26	38	---	8.1	---	4.6	---	13	56	---
TOTAL	1,281.4	786	1,479	791	1,974	732.8	156.7	517.96	133.81	365.3	2,218.9	1,583
MEAN	41.3	26.2	47.7	25.5	68.1	23.6	5.22	16.7	4.46	11.8	71.6	52.8
MAX	298	71	186	91	227	88	8.5	103	10	20	296	159
MIN	1.1	13	14	13	25	7.8	2.4	0.87	0.63	7.1	9.3	14
CFSM	1.91	1.21	2.21	1.18	3.15	1.09	0.24	0.77	0.21	0.55	3.31	2.44
IN.	2.21	1.35	2.55	1.36	3.40	1.26	0.27	0.89	0.23	0.63	3.82	2.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	30.3	20.9	28.0	44.3	53.4	55.4	32.1	18.3	21.9	36.4	48.7	58.0
MAX	115	52.6	74.5	93.8	177	111	115	137	143	133	153	534
(WY)	(2000)	(1960)	(1973)	(1964)	(1998)	(1959)	(1961)	(1999)	(1961)	(1996)	(1969)	(1999)
MIN	1.11	0.53	1.53	3.20	3.54	8.27	3.69	1.67	0.32	0.73	0.15	0.51
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1967)	(1995)	(1960)	(1957)	(1957)	(1963)

CAPE FEAR RIVER BASIN

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	13,795.37		12,019.87		37.2	
ANNUAL MEAN	37.8		32.8		80.6	
HIGHEST ANNUAL MEAN					1999	
LOWEST ANNUAL MEAN					10.5	
HIGHEST DAILY MEAN	842	Mar 21	298	Oct 29	3,000	Sep 16, 1999
LOWEST DAILY MEAN	0.43	Sep 17	0.63	Jun 27	0.00	Sep 10, 1997
ANNUAL SEVEN-DAY MINIMUM	0.52	Sep 11	1.2	Jun 23	0.02	Sep 4, 1997
MAXIMUM PEAK FLOW			448	Oct 29	4,800	Sep 16, 1999
MAXIMUM PEAK STAGE			7.35	Aug 13	13.89*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.58	Jun 26	0.00*	Sep 10, 1997
ANNUAL RUNOFF (CFSM)	1.75		1.52		1.72	
ANNUAL RUNOFF (INCHES)	23.76		20.70		23.42	
10 PERCENT EXCEEDS	72		84		83	
50 PERCENT EXCEEDS	20		17		15	
90 PERCENT EXCEEDS	3.4		3.7		1.6	

* See REMARKS.

