

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. Low flows possibly affected by tide. No flow, also occurred Sept. 11, 1997.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	18	11	14	24	12	e0.25	13	32	93	4.9
2	14	13	16	9.9	12	18	42	e0.23	16	22	75	3.7
3	13	13	14	9.2	11	14	129	e0.20	46	17	49	3.3
4	13	12	13	8.9	15	12	54	e0.17	185	16	35	2.8
5	12	15	13	8.8	16	11	29	0.18	230	23	27	2.7
6	11	15	12	9.1	13	9.6	19	41	117	23	23	2.4
7	10	16	12	11	12	8.9	14	97	55	19	20	1.3
8	9.2	16	13	11	9.9	9.0	20	46	33	16	19	0.60
9	8.4	16	14	11	8.6	8.3	25	28	26	14	19	0.58
10	7.8	16	17	11	8.5	8.1	18	20	31	13	21	0.53
11	7.3	17	18	11	7.9	8.0	13	16	28	12	20	0.53
12	7.9	20	16	11	6.9	7.6	9.1	13	22	12	17	0.75
13	7.6	24	15	12	6.1	7.3	6.9	11	18	14	14	6.5
14	7.7	24	13	18	6.5	7.2	12	13	e16	51	12	294
15	10	21	13	28	6.1	6.7	17	12	e14	125	11	785
16	12	19	12	25	6.0	8.8	14	13	e12	69	9.7	310
17	12	18	12	20	5.8	13	9.2	15	e10	43	8.4	143
18	11	17	11	18	5.2	13	5.8	14	e8.4	36	7.7	74
19	17	17	11	16	5.0	11	3.4	12	e7.0	45	8.9	43
20	20	17	11	16	4.8	11	1.9	11	e6.0	33	9.6	27
21	18	16	11	16	5.3	9.4	1.3	70	e5.1	25	9.6	19
22	15	17	10	15	5.8	8.1	0.93	89	e3.8	25	8.0	14
23	14	20	11	16	5.6	10	e0.78	40	e3.1	104	9.5	9.9
24	13	24	12	15	9.1	11	e0.66	46	e2.5	118	46	7.1
25	13	22	12	15	12	9.9	e0.58	60	e2.2	58	60	5.8
26	14	19	21	15	12	8.4	e0.50	42	e2.0	37	28	4.5
27	15	18	31	14	11	11	e0.42	28	e1.8	27	17	4.2
28	14	26	23	14	19	25	e0.37	19	e1.7	30	12	3.6
29	13	31	16	13	---	44	e0.32	14	e6.0	81	9.5	3.2
30	13	22	14	16	---	25	e0.28	12	31	79	7.9	3.5
31	14	---	12	15	---	16	---	12	---	70	6.3	---
TOTAL	382.9	554	447	439.9	260.1	394.3	460.44	795.03	952.6	1,289	713.1	1,781.39
MEAN	12.4	18.5	14.4	14.2	9.29	12.7	15.3	25.6	31.8	41.6	23.0	59.4
MAX	20	31	31	28	19	44	129	97	230	125	93	785
MIN	7.3	12	10	8.8	4.8	6.7	0.28	0.17	1.7	12	6.3	0.53
CFSM	0.57	0.85	0.67	0.66	0.43	0.59	0.71	1.19	1.47	1.93	1.06	2.75
IN.	0.66	0.95	0.77	0.76	0.45	0.68	0.79	1.37	1.64	2.22	1.23	3.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	29.7	20.8	27.5	43.2	51.9	53.9	31.5	18.6	22.2	36.6	47.8	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

02105900 HOOD CREEK NEAR LELAND, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	9,857.37		8,469.76		36.8	
ANNUAL MEAN	26.9		23.2		80.6	
HIGHEST ANNUAL MEAN					10.5	1999
LOWEST ANNUAL MEAN					3,000	2002
HIGHEST DAILY MEAN	296	Aug 16	785	Sep 15	0.00	Sep 16, 1999
LOWEST DAILY MEAN	0.63	Jun 27	0.17	May 4	0.02	Sep 10, 1997
ANNUAL SEVEN-DAY MINIMUM	1.2	Jun 23	0.23	Apr 29	0.02	Sep 4, 1997
MAXIMUM PEAK FLOW			1,030	Sep 15	4,800	Sep 16, 1999
MAXIMUM PEAK STAGE			8.46	Sep 15	13.89*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			NOT DETERMINED		0.00*	Sep 10, 1997
ANNUAL RUNOFF (CFSM)	1.25		1.07		1.70	
ANNUAL RUNOFF (INCHES)	16.98		14.59		23.12	
10 PERCENT EXCEEDS	61		42		81	
50 PERCENT EXCEEDS	15		13		15	
90 PERCENT EXCEEDS	4.6		3.7		1.6	

* See REMARKS.

e Estimated.

