

02105900 HOOD CREEK NEAR LELAND, NC

LOCATION.--Lat 34°16'44", long 78°07'33", 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 fair. 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	18	14	48	21	58	37	23	22	3.2	7.1	0.64
2	15	17	13	66	22	57	33	19	20	4.2	6.0	0.57
3	14	16	13	58	20	57	28	16	18	5.2	7.1	0.54
4	12	15	12	50	21	50	25	22	18	4.6	8.1	0.51
5	11	14	14	45	22	44	22	20	17	3.7	6.6	0.78
6	10	21	15	39	22	44	20	20	15	3.0	7.2	0.65
7	9.4	33	16	36	32	62	31	17	17	2.6	8.2	0.76
8	8.6	29	15	33	43	90	86	15	19	2.0	7.8	0.97
9	8.5	23	14	32	37	75	466	19	21	1.7	9.2	0.89
10	8.2	22	16	30	42	59	759	18	18	7.3	12	0.71
11	11	23	28	29	55	50	409	13	16	9.1	22	0.59
12	17	33	30	27	47	57	247	11	13	9.3	19	0.60
13	20	50	33	25	39	59	164	8.6	11	7.8	14	0.54
14	68	55	45	24	34	50	107	6.7	10	12	14	0.50
15	60	45	40	23	31	46	77	5.9	11	14	13	0.49
16	56	41	32	22	35	73	59	5.7	9.6	15	10	0.47
17	47	65	28	24	81	83	47	5.1	9.2	11	7.5	0.43
18	33	94	26	24	83	70	38	4.7	11	7.4	5.5	3.9
19	25	73	25	23	63	61	32	4.4	23	13	4.5	11
20	20	51	41	23	51	173	27	4.4	32	31	4.4	13
21	18	40	56	22	44	842	24	3.8	36	22	4.6	9.0
22	22	33	44	19	46	411	21	3.7	28	14	4.6	5.6
23	26	28	37	20	76	203	19	27	18	9.4	4.3	5.2
24	28	26	40	19	75	130	16	82	13	10	3.7	4.8
25	34	22	68	18	56	95	20	54	10	11	3.3	4.6
26	32	20	64	18	46	74	59	82	7.7	11	3.0	4.0
27	26	18	51	17	48	60	73	53	6.0	10	2.4	3.5
28	22	17	43	17	61	51	56	38	4.7	7.8	1.7	3.4
29	21	15	39	17	---	46	39	29	3.9	5.9	1.1	3.0
30	20	15	37	18	---	42	29	25	3.4	6.0	0.89	3.8
31	19	---	35	20	---	39	---	22	---	6.3	0.74	---
TOTAL	737.7	972	984	886	1,253	3,311	3,070	678.0	461.5	280.5	223.53	85.44
MEAN	23.8	32.4	31.7	28.6	44.8	107	102	21.9	15.4	9.05	7.21	2.85
MAX	68	94	68	66	83	842	759	82	36	31	22	13
MIN	8.2	14	12	17	20	39	16	3.7	3.4	1.7	0.74	0.43
CFSM	1.10	1.50	1.47	1.32	2.07	4.94	4.74	1.01	0.71	0.42	0.33	0.13
IN.	1.27	1.67	1.69	1.53	2.16	5.70	5.29	1.17	0.79	0.48	0.38	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003,[@] BY WATER YEAR (WY)

MEAN	29.9	20.7	27.3	45.0	52.8	56.5	33.1	18.4	22.5	37.3	47.9	58.2
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)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003 [@]	
ANNUAL TOTAL	6,439.89		12,942.67		37.4	
ANNUAL MEAN	17.6		35.5		80.6	
HIGHEST ANNUAL MEAN					10.5	1999
LOWEST ANNUAL MEAN					3,000	2002
HIGHEST DAILY MEAN	340	Aug 31	842	Mar 21	3,000	Sep 16, 1999
LOWEST DAILY MEAN	0.03	Jun 13	0.43	Sep 17	0.00	Sep 10, 1997
ANNUAL SEVEN-DAY MINIMUM	0.23	Jun 8	0.52	Sep 11	0.02	Sep 4, 1997
MAXIMUM PEAK FLOW			944	Mar 21	4,800	Sep 16, 1999
MAXIMUM PEAK STAGE			8.13	Apr 10	13.89*	Sep 16, 1999
INSTANTANEOUS LOW FLOW			0.36*	Sep 17	0.00*	Sep 10, 1997
ANNUAL RUNOFF (CFSM)	0.82		1.64		1.73	
ANNUAL RUNOFF (INCHES)	11.09		22.29		23.52	
10 PERCENT EXCEEDS	44		61		83	
50 PERCENT EXCEEDS	7.2		20		15	
90 PERCENT EXCEEDS	1.7		3.8		1.5	

[@] See PERIOD OF RECORD.

* See REMARKS.

