

02096846 CANE CREEK NEAR ORANGE GROVE, NC

LOCATION--Lat 35°59'14", long 79°12'22", Orange County, Hydrologic Unit 03030002, on right bank at downstream side of bridge on Secondary Road 1114, and 1.0 mi northwest of Orange Grove.

DRAINAGE AREA.--7.54 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 510 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 500 ft³/s, based on contracted-opening measurement of peak flow; maximum gage-height, 7.90 ft, from flood mark. No flow occurs at times most years. Minimum discharge for current water year also occurred July 16, 17.

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	0.48	0.74	0.30	1.8	3.4	7.7	20	1.3	0.19	0.21	5.7	5.3
2	0.46	0.66	0.23	1.7	2.9	5.9	8.2	2.7	0.15	0.16	5.3	3.1
3	0.42	0.64	0.19	1.7	39	6.2	5.2	5.7	0.12	24	19	2.0
4	0.39	0.64	0.21	1.8	17	5.1	4.2	2.9	0.27	6.6	3.8	1.6
5	0.34	0.65	0.69	1.9	8.4	4.4	3.3	2.0	0.79	0.97	1.5	1.3
6	0.32	0.64	0.71	2.2	12	4.9	3.0	1.6	0.35	0.45	1.1	11
7	0.33	0.69	0.47	1.8	33	5.2	2.9	1.2	0.24	0.24	0.68	26
8	0.34	0.65	0.39	1.6	11	4.0	2.8	1.1	0.19	0.17	0.51	90
9	0.46	0.60	0.31	1.8	7.0	3.4	2.7	0.95	0.15	0.52	0.40	23
10	0.66	0.53	16	1.8	5.7	3.5	2.4	0.91	0.11	0.22	0.34	7.2
11	0.73	0.55	32	1.6	4.9	3.1	2.5	0.81	0.11	0.13	0.27	4.2
12	0.62	0.56	6.8	1.7	6.9	3.0	5.4	0.71	0.23	0.08	0.35	3.0
13	0.58	0.90	3.9	1.8	8.8	2.7	12	0.68	0.31	0.06	0.79	2.4
14	0.59	1.0	36	1.7	6.0	2.5	13	0.65	0.20	0.05	45	2.2
15	1.4	0.93	15	1.7	5.3	5.0	7.1	0.57	0.15	0.04	11	2.7
16	0.76	0.89	7.0	1.5	7.4	9.7	4.8	0.51	0.11	0.03	5.0	2.4
17	0.51	0.82	9.4	1.5	7.4	15	3.8	0.46	0.10	0.03	2.6	12
18	0.45	0.78	8.7	2.2	6.2	9.0	3.3	0.39	0.09	0.07	1.7	29
19	0.41	3.3	5.3	2.5	6.3	8.7	3.0	0.37	0.07	0.05	1.3	10
20	0.39	2.6	3.9	1.9	5.4	5.7	2.6	0.39	0.06	0.75	1.0	4.4
21	0.39	0.73	3.1	1.6	4.7	5.2	2.3	0.39	0.05	0.25	0.85	3.1
22	0.44	0.44	2.8	1.6	3.9	4.0	2.1	0.33	0.06	0.11	1.2	2.5
23	0.51	0.33	2.6	1.6	3.5	3.6	1.9	0.28	1.4	0.09	0.89	2.0
24	0.50	0.28	3.1	1.5	3.4	3.2	1.7	0.24	3.3	0.07	0.72	1.8
25	0.47	0.24	3.2	1.5	3.2	3.0	1.6	0.20	0.49	0.08	0.61	1.6
26	0.53	0.21	2.6	1.8	2.9	2.9	1.5	0.17	0.56	0.08	0.52	1.5
27	0.77	0.20	2.3	1.7	3.9	2.8	1.8	0.14	0.67	2.4	0.49	1.5
28	0.89	0.27	2.2	1.7	5.8	2.7	1.4	0.13	0.32	2.1	0.44	4.6
29	5.1	0.57	2.0	1.8	11	2.5	1.2	0.12	0.46	10	0.42	4.2
30	1.7	0.37	2.1	3.3	---	2.4	1.2	0.13	0.36	6.9	163	2.3
31	0.93	---	1.9	5.4	---	3.0	---	0.19	---	1.6	18	---
TOTAL	22.87	22.41	175.40	59.7	246.3	150.0	128.9	28.22	11.66	58.51	294.48	267.9
MEAN	0.74	0.75	5.66	1.93	8.49	4.84	4.30	0.91	0.39	1.89	9.50	8.93
MAX	5.1	3.3	36	5.4	39	15	20	5.7	3.3	24	163	90
MIN	0.32	0.20	0.19	1.5	2.9	2.4	1.2	0.12	0.05	0.03	0.27	1.3
CFSM	0.10	0.10	0.75	0.26	1.13	0.64	0.57	0.12	0.05	0.25	1.26	1.18
IN	0.11	0.11	0.87	0.29	1.22	0.74	0.64	0.14	0.06	0.29	1.45	1.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2004, BY WATER YEAR (WY)

CAPE FEAR RIVER BASIN

02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1989 - 2004
ANNUAL TOTAL	4,152.03	1,466.35	6.78
ANNUAL MEAN	11.4	4.01	14.3 0.99
HIGHEST ANNUAL MEAN			2003
LOWEST ANNUAL MEAN			2002
HIGHEST DAILY MEAN	406	Apr 10	516 Mar 4, 1993
LOWEST DAILY MEAN	0.19	Dec 3	0.00 Sep 17, 1990
ANNUAL SEVEN-DAY MINIMUM	0.28	Nov 22	0.00 Sep 17, 1990
MAXIMUM PEAK FLOW			2060* Sep 6, 1996
MAXIMUM PEAK STAGE			7.90* Sep 6, 1996
INSTANTANEOUS LOW FLOW			0.00* Sep 17, 1990
ANNUAL RUNOFF (CFSM)	1.51	0.531	0.899
ANNUAL RUNOFF (INCHES)	20.48	7.23	12.21
10 PERCENT EXCEEDS	21	7.8	13
50 PERCENT EXCEEDS	3.0	1.6	1.8
90 PERCENT EXCEEDS	0.49	0.19	0.08

* See REMARKS.

