

## CAPE FEAR RIVER BASIN

02093800 REEDY FORK NEAR OAK RIDGE, NC

LOCATION.--Lat 36°10'22", long 79°57'12", Guilford County, Hydrologic Unit 03030002, on left bank at downstream side of bridge on Secondary Road 2128, 0.8 mi downstream of Beaver Creek, and 2 mi east of Oak Ridge.

DRAINAGE AREA.--20.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 771.30 ft above sea level. Prior to Dec. 13, 1955, nonrecording gage at same site and datum. Satellite telemetry at station.

REMARKS.--Records good except those for estimated discharges, which are poor. Some diurnal fluctuation at medium and low flows caused by upstream mill. Maximum discharge for period of record, from rating curve extended above 1,500 ft<sup>3</sup>/s on basis of contracted-opening measurement; gage height: 10.94 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	11	11	e9.6	17	23	216	15	16	6.7	13	7.7
2	18	11	11	e7.4	17	22	107	14	18	6.6	13	7.9
3	17	11	11	e5.6	16	22	53	14	14	6.6	10	7.0
4	16	12	11	e4.7	15	48	44	13	12	11	9.2	8.4
5	16	11	11	e4.5	16	46	37	13	12	32	8.5	7.7
6	15	11	12	e5.0	15	35	34	15	11	11	7.9	6.0
7	14	12	11	e4.8	15	27	30	14	24	7.7	7.4	5.7
8	14	12	11	e13	15	25	27	14	14	12	7.0	5.6
9	13	16	11	e15	15	23	25	13	12	13	6.6	5.3
10	14	19	10	e12	17	22	24	13	11	11	9.3	5.9
11	13	13	10	e10	15	21	22	12	11	8.1	33	5.8
12	13	12	10	11	15	21	21	13	10	7.4	23	5.1
13	13	11	9.9	11	17	26	22	13	10	7.9	14	4.8
14	13	15	12	11	19	22	21	12	12	8.3	12	4.7
15	13	13	11	11	18	33	20	12	11	7.2	10	4.6
16	13	12	16	11	18	39	19	19	10	5.9	9.0	4.4
17	13	13	32	11	85	29	18	20	9.4	5.7	8.7	4.3
18	13	12	e17	18	44	25	18	17	8.7	5.7	11	4.2
19	12	12	e16	58	33	22	18	14	8.3	6.4	9.8	4.2
20	12	13	e15	108	29	28	18	13	8.4	5.7	8.7	6.1
21	13	12	e13	52	26	114	17	15	8.2	5.2	7.8	6.3
22	13	11	e13	34	25	88	17	16	8.0	4.8	7.5	5.0
23	12	11	e11	27	25	56	16	27	9.8	4.5	7.0	4.7
24	12	11	e11	23	24	43	16	15	8.6	4.6	14	6.9
25	12	15	e11	21	35	35	29	16	8.6	5.0	8.9	11
26	12	21	e10	19	35	30	21	39	9.5	28	7.3	6.2
27	12	14	e11	18	27	26	17	24	10	51	7.4	5.5
28	12	12	e11	17	25	23	16	19	8.1	24	8.4	5.1
29	12	12	e11	17	---	63	15	17	7.2	16	7.3	4.8
30	11	12	e11	23	---	153	15	14	6.9	24	6.7	4.8
31	11	---	e9.8	20	---	70	---	13	---	15	6.8	---
TOTAL	417	383	381.7	612.6	673	1260	973	498	327.7	368.0	320.2	175.7
MEAN	13.5	12.8	12.3	19.8	24.0	40.6	32.4	16.1	10.9	11.9	10.3	5.86
MAX	20	21	32	108	85	153	216	39	24	51	33	11
MIN	11	11	9.8	4.5	15	21	15	12	6.9	4.5	6.6	4.2
CFSM	.65	.62	.60	.96	1.17	1.97	1.57	.78	.53	.58	.50	.28
IN.	.75	.69	.69	1.11	1.22	2.28	1.76	.90	.59	.66	.58	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2001, BY WATER YEAR (WY)

	MEAN	18.4	17.4	23.1	30.6	35.0	37.1	29.9	23.1	18.8	18.9	16.7	19.0
MAX	80.2	40.4	48.7	82.0	78.7	102	75.8	58.9	74.4	152	62.0	100	
(WY)	1991	1986	1963	1978	1979	1975	1987	1991	1982	1984	1978	1996	
MIN	5.90	7.21	8.67	8.52	13.5	12.4	9.79	8.19	5.03	3.64	5.88	3.39	
(WY)	1968	1968	1956	1956	1968	1967	1967	1986	1986	1977	1977	1968	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1956 - 2001

ANNUAL TOTAL		8039.4		6389.9									
ANNUAL MEAN		22.0		17.5						24.0			
HIGHEST ANNUAL MEAN										42.7			1984
LOWEST ANNUAL MEAN										11.7			1967
HIGHEST DAILY MEAN				900	Sep 15		216	Apr 1		1250		Jul 28	1984
LOWEST DAILY MEAN				5.9	Jul 21		4.2	Sep 18		1.7		Aug 7	1977
ANNUAL SEVEN-DAY MINIMUM				7.1	Jul 15		4.5	Sep 13		2.3		Sep 29	1968
MAXIMUM PEAK FLOW							301	Apr 1		3950*		Oct 10	1959
MAXIMUM PEAK STAGE							7.42	Apr 1		12.41		Sep 22	1979
INSTANTANEOUS LOW FLOW							3.6	Sep 17		1.2		Aug 7	1977
ANNUAL RUNOFF (CFSM)				1.07			.85			1.16			
ANNUAL RUNOFF (INCHES)				14.52			11.54			15.80			
10 PERCENT EXCEEDS				35			29			38			
50 PERCENT EXCEEDS				14			13			14			
90 PERCENT EXCEEDS				8.4			6.3			7.0			

e Estimated.  
\* See REMARKS.

02093800 REEDY FORK NEAR OAK RIDGE, NC--Continued

