

CAPE FEAR RIVER BASIN

02094412 REEDY FORK NEAR BROWNS SUMMIT, NC

LOCATION.--Lat 36°10'40", long 79°38'51", Guilford County, Hydrologic Unit 03030002, at bridge on Secondary Road 2728, 0.1 mi below Rocky Branch, 4.4 mi southwest of Browns Summit.

DRAINAGE AREA.--125 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1999 to September 2001 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 700 ft, from topographic map. Satellite telemetry at station.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND, FOR PERIOD JUNE TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	e8.6	6.9	3.5	3.4
2	---	---	---	---	---	---	---	---	7.0	14	3.3	8.2
3	---	---	---	---	---	---	---	---	7.7	7.8	3.4	6.6
4	---	---	---	---	---	---	---	---	7.5	5.0	4.4	4.7
5	---	---	---	---	---	---	---	---	6.5	4.2	7.3	100
6	---	---	---	---	---	---	---	---	6.8	3.9	7.2	108
7	---	---	---	---	---	---	---	---	7.6	49	6.8	33
8	---	---	---	---	---	---	---	---	7.9	47	5.2	19
9	---	---	---	---	---	---	---	---	6.9	17	4.8	13
10	---	---	---	---	---	---	---	---	6.3	7.2	4.4	11
11	---	---	---	---	---	---	---	---	7.0	5.7	3.9	8.8
12	---	---	---	---	---	---	---	---	6.9	5.7	3.1	7.1
13	---	---	---	---	---	---	---	---	6.8	19	2.4	5.5
14	---	---	---	---	---	---	---	---	6.8	19	2.2	4.9
15	---	---	---	---	---	---	---	---	8.5	15	5.3	e717
16	---	---	---	---	---	---	---	---	12	9.5	5.1	e492
17	---	---	---	---	---	---	---	---	19	6.9	3.8	40
18	---	---	---	---	---	---	---	---	8.8	5.8	3.1	22
19	---	---	---	---	---	---	---	---	5.7	4.5	2.6	13
20	---	---	---	---	---	---	---	---	7.5	4.3	2.4	9.3
21	---	---	---	---	---	---	---	---	11	8.8	2.5	13
22	---	---	---	---	---	---	---	---	8.1	51	3.0	18
23	---	---	---	---	---	---	---	---	6.4	19	2.9	9.7
24	---	---	---	---	---	---	---	---	5.3	9.6	2.8	7.7
25	---	---	---	---	---	---	---	---	6.0	6.0	8.3	6.4
26	---	---	---	---	---	---	---	---	6.0	4.7	46	5.6
27	---	---	---	---	---	---	---	---	5.5	3.8	187	9.6
28	---	---	---	---	---	---	---	---	4.9	3.3	24	275
29	---	---	---	---	---	---	---	---	4.3	3.3	11	e521
30	---	---	---	---	---	---	---	---	11	5.0	5.7	e493
31	---	---	---	---	---	---	---	---	---	4.2	3.9	---
TOTAL	---	---	---	---	---	---	---	---	230.3	376.1	381.3	2985.5
MEAN	---	---	---	---	---	---	---	---	7.68	12.1	12.3	99.5
MAX	---	---	---	---	---	---	---	---	19	51	187	717
MIN	---	---	---	---	---	---	---	---	4.3	3.3	2.2	3.4
CFSM	---	---	---	---	---	---	---	---	.06	.10	.10	.80
IN.	---	---	---	---	---	---	---	---	.07	.11	.11	.89

SUMMARY STATISTICS

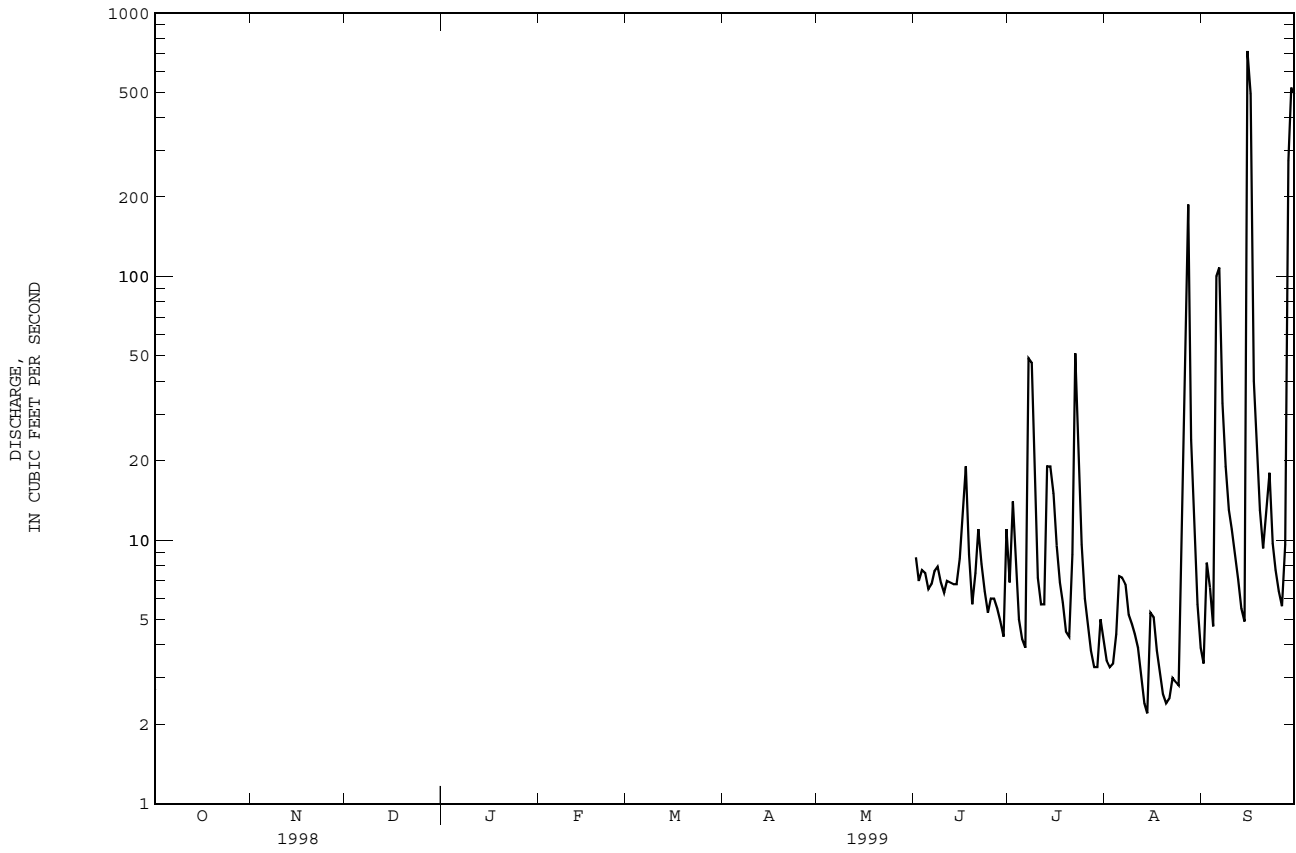
FOR PERIOD JUNE TO SEPTEMBER 1999

MAXIMUM PEAK FLOW
MAXIMUM PEAK STAGE
INSTANTANEOUS LOW FLOW

NOT DETERMINED
9.97 Sep 16
2.0 Aug 14

e Estimated.

02094412 REEDY FORK NEAR BROWNS SUMMIT, NC--Continued



CAPE FEAR RIVER BASIN

02094412 REEDY FORK NEAR BROWNS SUMMIT, NC--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e336	8.5	e22	e22	e378	22	23	69	8.4	11	e10	47
2	41	16	e49	18	66	22	28	56	7.8	7.5	e22	98
3	21	23	e26	16	35	19	110	45	7.7	6.0	e13	261
4	15	20	e21	25	36	18	263	39	7.9	5.4	e10	e537
5	15	13	e17	155	35	19	35	35	9.2	5.4	e7.7	265
6	13	10	e41	40	32	19	27	31	10	6.2	e6.6	49
7	10	10	e21	27	33	17	24	27	9.1	6.8	e6.0	31
8	8.5	11	e16	26	51	19	26	25	8.7	5.7	e5.4	22
9	7.7	12	e14	33	42	20	49	22	9.0	5.0	e4.9	18
10	9.0	11	24	287	31	16	e47	19	8.6	4.6	e20	13
11	18	e12	31	122	28	16	e36	15	7.1	4.5	e14	11
12	12	e16	21	48	182	18	32	13	6.3	4.8	e8.5	9.8
13	19	e12	17	31	e363	16	31	12	6.0	34	e6.0	7.5
14	22	e11	65	104	129	15	44	13	6.0	18	e5.4	7.5
15	13	e17	40	37	154	16	71	11	8.8	8.6	e5.1	e833
16	10	e14	e30	22	103	28	297	11	13	6.8	e5.0	e2300
17	54	e13	e27	24	31	95	100	13	8.4	5.6	e5.3	e538
18	49	e12	e24	21	34	75	93	13	6.9	5.0	e6.0	67
19	18	e11	e23	40	68	69	138	11	7.6	4.7	6.2	106
20	55	e10	e31	101	84	277	48	10	10	7.3	5.8	239
21	40	e9.6	e60	47	28	59	47	13	8.0	7.0	5.5	228
22	22	e9.0	48	103	24	65	43	18	8.0	8.5	5.0	265
23	16	e8.6	24	56	25	84	38	13	6.4	10	5.1	e304
24	18	e8.2	e21	23	24	76	34	12	5.4	e16	6.0	80
25	15	e7.8	e19	28	24	52	45	13	5.9	e14	5.6	80
26	13	e140	e17	28	23	42	51	13	13	e12	5.2	62
27	16	e83	e16	106	50	38	50	9.3	10	e10	12	32
28	14	e44	e25	83	79	57	84	8.9	25	e8.8	112	23
29	11	e31	e22	41	24	46	265	15	71	e7.8	31	17
30	9.7	e24	e19	41	---	33	68	11	24	e6.6	14	15
31	8.8	---	e18	143	---	26	---	9.1	---	e6.0	13	---
TOTAL	929.7	627.7	849	1898	2216	1394	2247	625.3	343.2	269.6	387.3	6565.8
MEAN	30.0	20.9	27.4	61.2	76.4	45.0	74.9	20.2	11.4	8.70	12.5	219
MAX	336	140	65	287	378	277	297	69	71	34	112	2300
MIN	7.7	7.8	14	16	23	15	23	8.9	5.4	4.5	4.9	7.5
CFSM	.24	.17	.22	.49	.61	.36	.60	.16	.09	.07	.10	1.75
IN.	.28	.19	.25	.56	.66	.41	.67	.19	.10	.08	.12	1.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	30.0	20.9	27.4	61.2	76.4	45.0	74.9	20.2	9.56	10.4	12.4	159
MAX	30.0	20.9	27.4	61.2	76.4	45.0	74.9	20.2	11.4	12.1	12.5	219
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	2000	2000
MIN	30.0	20.9	27.4	61.2	76.4	45.0	74.9	20.2	7.68	8.70	12.3	99.5
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	1999	2000	1999	1999

SUMMARY STATISTICS

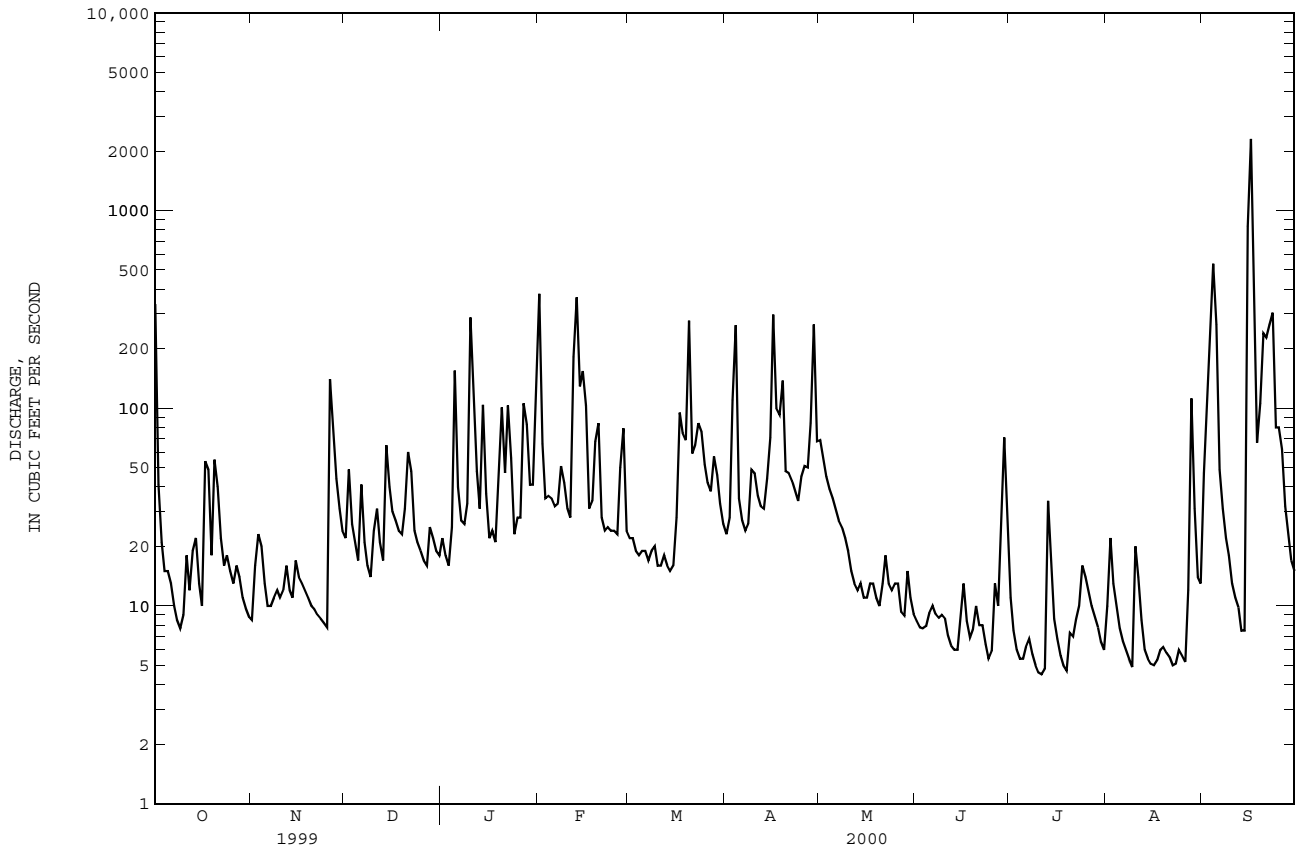
FOR 2000 WATER YEAR

WATER YEARS 1999 - 2000

ANNUAL TOTAL	18352.6											
ANNUAL MEAN	50.1									50.1		
HIGHEST ANNUAL MEAN										50.1		2000
LOWEST ANNUAL MEAN										50.1		2000
HIGHEST DAILY MEAN	2300	Sep 16								2300	Sep 16	2000
LOWEST DAILY MEAN	4.5	Jul 11								2.2	Aug 14	1999
ANNUAL SEVEN-DAY MINIMUM	5.4	Jul 6								2.8	Aug 18	1999
MAXIMUM PEAK FLOW	NOT DETERMINED									NOT DETERMINED		
MAXIMUM PEAK STAGE	13.58	Sep 16								13.58	Sep 16	2000
INSTANTANEOUS LOW FLOW	NOT DETERMINED									NOT DETERMINED		
ANNUAL RUNOFF (CFSM)	.40									.40		
ANNUAL RUNOFF (INCHES)	5.46									5.45		
10 PERCENT EXCEEDS	96									84		
50 PERCENT EXCEEDS	20									15		
90 PERCENT EXCEEDS	6.5									5.2		

e Estimated.

02094412 REEDY FORK NEAR BROWNS SUMMIT, NC--Continued



CAPE FEAR RIVER BASIN

02094412 REEDY FORK NEAR BROWNS SUMMIT, NC--Continued

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	13	8.2	9.3	8.8	18	40	294	14	21	3.9	20	17
2	11	e6.8	9.9	8.9	16	30	e510	12	29	3.6	16	13
3	10	6.4	11	10	15	e158	e393	11	28	3.3	9.5	9.3
4	9.1	6.2	9.8	11	e14	225	254	12	24	26	7.6	7.7
5	8.5	7.7	10	12	13	125	102	10	17	48	7.4	7.9
6	8.0	7.2	14	12	12	50	47	11	14	15	6.0	6.5
7	7.3	6.8	13	10	12	30	43	11	14	8.1	6.0	7.6
8	6.8	7.7	11	12	13	24	37	10	11	7.1	9.3	5.7
9	6.6	8.8	10	14	14	27	37	11	9.7	10	7.2	5.7
10	6.3	13	9.7	11	16	35	29	11	8.2	7.4	11	10
11	e5.8	e10	9.6	e11	14	e19	27	14	7.8	6.0	67	7.2
12	e6.9	8.6	9.6	13	84	17	25	11	7.4	5.4	67	6.1
13	16	8.4	10	11	26	29	31	9.6	6.9	4.5	48	4.4
14	5.3	13	12	11	20	38	28	9.3	15	5.7	49	3.5
15	26	16	12	10	17	34	27	8.4	12	5.2	33	3.1
16	29	e13	16	9.0	16	e43	31	26	10	4.4	20	2.7
17	12	11	25	9.8	294	77	26	23	7.2	4.3	14	2.9
18	7.4	9.2	16	13	254	56	26	16	6.0	5.9	13	4.2
19	4.6	7.9	13	37	39	41	21	12	5.2	7.0	12	4.3
20	5.0	9.1	13	88	27	70	18	9.9	4.9	5.6	10	3.9
21	5.5	9.8	12	113	21	e484	17	12	4.6	4.8	8.1	4.3
22	15	9.6	11	30	20	274	15	16	5.8	4.2	7.3	3.3
23	21	11	9.9	23	20	51	13	15	16	3.8	7.5	3.2
24	7.0	9.4	9.6	20	22	61	13	13	9.1	3.8	8.4	4.0
25	8.8	13	9.8	18	37	50	24	11	6.9	4.0	8.7	6.9
26	20	27	9.3	19	46	39	21	62	6.3	44	7.2	3.7
27	8.7	15	9.5	18	34	53	20	57	6.1	51	6.6	2.2
28	6.6	12	11	16	e51	44	23	51	5.2	27	9.3	1.8
29	6.5	11	9.5	15	---	209	18	59	4.5	18	7.8	1.7
30	7.7	9.9	10	19	---	e599	16	41	4.4	39	45	1.5
31	11	---	9.1	23	---	e445	---	26	---	19	34	---
TOTAL	322.4	312.7	354.6	636.5	1185	3477	2186	615.2	327.2	405.0	582.9	165.3
MEAN	10.4	10.4	11.4	20.5	42.3	112	72.9	19.8	10.9	13.1	18.8	5.51
MAX	29	27	25	113	294	599	510	62	29	51	67	17
MIN	4.6	6.2	9.1	8.8	12	17	13	8.4	4.4	3.3	6.0	1.5
CFSM	.08	.08	.09	.16	.34	.90	.58	.16	.09	.10	.15	.04
IN.	.10	.09	.11	.19	.35	1.03	.65	.18	.10	.12	.17	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	1999	2000	2001	1999	2000	2001	1999	2000	2001	1999	2000	2001
MEAN	20.2	15.7	19.4	40.9	59.7	78.6	73.9	20.0	10.0	11.3	14.5	108
MAX	30.0	20.9	27.4	61.2	76.4	112	74.9	20.2	11.4	13.1	18.8	219
(WY)	2000	2000	2000	2000	2000	2001	2000	2000	2000	2001	2001	2000
MIN	10.4	10.4	11.4	20.5	42.3	45.0	72.9	19.8	7.68	8.70	12.3	5.51
(WY)	2001	2001	2001	2001	2001	2000	2001	2001	1999	2000	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	16935.9		10569.8			
ANNUAL MEAN	46.3		29.0		39.6	
HIGHEST ANNUAL MEAN					50.1	
LOWEST ANNUAL MEAN					29.0	
HIGHEST DAILY MEAN	2300	Sep 16	599	Mar 30	2300	Sep 16
LOWEST DAILY MEAN	4.5	Jul 11	1.5	Sep 30	1.5	Sep 30
ANNUAL SEVEN-DAY MINIMUM	5.4	Jul 6	3.1	Sep 24	2.8	Aug 18
MAXIMUM PEAK FLOW			NOT DETERMINED		NOT DETERMINED	
MAXIMUM PEAK STAGE			8.32		13.58	
INSTANTANEOUS LOW FLOW			1.4		NOT DETERMINED	
ANNUAL RUNOFF (CFSM)	.37		.23		.32	
ANNUAL RUNOFF (INCHES)	5.04		3.15		4.30	
10 PERCENT EXCEEDS	87		48		67	
50 PERCENT EXCEEDS	14		12		13	
90 PERCENT EXCEEDS	6.0		5.2		5.2	

e Estimated.

02094412 REEDY FORK NEAR BROWNS SUMMIT, NC--Continued

