

02094500 REEDY FORK NEAR GIBSONVILLE, NC

LOCATION.--Lat 36°10'31", long 79°37'00", Guilford County, Hydrologic Unit 03030002, on right bank 0.2 mi downstream of Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--September 1928 to current year.

REVISED RECORDS.--WSP 1303: 1929-40 (monthly and yearly runoff). WSP 1383: 1929-30, 1933(M), 1934, 1937(M), 1939-42(M), 1948. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder and rock-masonry control. Datum of gage is 626.88 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records poor. Flow regulated since 1923 by Lake Brandt (station 02094117), 14 mi upstream; since 1957 by Lake Higgins (station 02093981) on Brush Creek, a tributary to Lake Brandt; since 1943 by Richland Lake 12 mi. upstream from station; and since 1968 by Lake Townsend (station 02094305), 9 mi upstream from station. City of Greensboro diverted a daily average of 18.1 ft³/s from Lake Brandt and a daily average of 29.6 ft³/s from Lake Townsend for municipal water supply. Prior to regulation, maximum discharge: 11,600 ft³/s, Sept. 25, 1947; gage height: 20.77 ft; minimum discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.90 ft, from information by local resident; discharge, 8,640 ft³/s.

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	6.6	23	26	282	256	418	274	86	117	102	312	66
2	6.8	15	19	457	41	928	303	95	85	579	346	38
3	6.4	12	13	208	24	268	131	132	76	121	44	29
4	6.3	12	12	317	63	315	117	94	399	97	583	104
5	7.0	16	44	103	68	278	96	88	630	102	861	124
6	6.3	99	110	58	65	171	80	312	599	81	177	131
7	6.2	37	119	e48	159	467	709	73	1,070	121	113	79
8	6.7	21	81	e43	164	301	1,210	63	1,180	121	544	51
9	5.0	17	59	e38	97	68	1,420	60	742	83	442	36
10	4.0	14	85	36	329	43	2,550	59	291	62	644	25
11	982	13	313	32	51	249	3,910	56	211	64	684	20
12	363	356	407	29	56	42	1,150	61	112	59	826	19
13	53	299	861	30	51	27	175	60	112	228	496	19
14	74	437	1,000	e29	39	43	237	56	96	1,220	149	20
15	27	63	590	e27	55	44	136	56	79	585	64	44
16	227	286	165	e28	52	703	155	73	551	52	106	128
17	66	995	93	27	50	926	113	56	799	41	83	423
18	28	975	108	30	53	309	108	62	186	53	341	224
19	16	196	74	28	120	313	175	137	181	51	499	335
20	12	54	293	30	122	e2,500	193	123	188	46	105	137
21	11	75	267	26	248	e3,500	124	115	83	39	54	50
22	16	70	41	21	331	1,180	134	613	e47	53	40	36
23	16	53	22	25	1,690	351	100	1,160	e35	57	75	2,360
24	12	30	132	24	849	158	78	371	e25	45	64	2,650
25	10	14	813	21	216	93	100	164	e21	56	38	835
26	14	11	705	18	113	108	90	1,080	e19	46	50	64
27	13	27	50	16	251	109	115	1,470	18	68	41	68
28	45	27	51	14	786	81	119	316	79	53	27	58
29	104	19	48	16	---	68	114	202	40	33	26	45
30	106	23	37	49	---	195	98	375	28	50	24	34
31	45	---	72	106	---	364	---	80	---	100	42	---
TOTAL	2,301.3	4,289	6,710	2,216	6,399	14,620	14,314	7,748	8,099	4,468	7,900	8,252
MEAN	74.2	143	216	71.5	229	472	477	250	270	144	255	275
MAX	982	995	1,000	457	1,690	3,500	3,910	1,470	1,180	1,220	861	2,650
MIN	4.0	11	12	14	24	27	78	56	18	33	24	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2003,* BY WATER YEAR (WY)

MEAN	51.9	45.7	87.6	169	154	177	148	95.5	65.9	61.0	45.8	78.6
MAX	432	165	221	644	456	613	613	365	477	596	255	518
(WY)	(1991)	(1993)	(1973)	(1978)	(1979)	(1993)	(1987)	(1978)	(1982)	(1984)	(2003)	(1996)
MIN	2.85	6.70	5.97	11.1	18.7	16.4	9.65	5.38	4.23	2.83	1.92	3.31
(WY)	(1969)	(1970)	(1969)	(1981)	(2002)	(1976)	(2002)	(2002)	(2002)	(1986)	(2002)	(1983)

CAPE FEAR RIVER BASIN

02094500 REEDY FORK NEAR GIBSONVILLE, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1969 - 2003*	
ANNUAL TOTAL	17,851.77		87,316.3		98.0	
ANNUAL MEAN	48.9		239		239	
HIGHEST ANNUAL MEAN					15.6	2002
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	1,580	Sep 1	3,910	Apr 11	5,230	Sep 6, 1996
LOWEST DAILY MEAN	0.27	Aug 17	4.0	Oct 10	0.27	Aug 17, 2002
ANNUAL SEVEN-DAY MINIMUM	0.61	Aug 11	5.9	Oct 4	0.61	Aug 11, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED		6,330	Sep 6, 1996
MAXIMUM PEAK STAGE			NOT DETERMINED		15.65	Sep 6, 1996
INSTANTANEOUS LOW FLOW			3.7		0.22	Aug 17, 2002
10 PERCENT EXCEEDS	74		660		269	
50 PERCENT EXCEEDS	11		80		22	
90 PERCENT EXCEEDS	1.8		19		5.7	

e Estimated.

* Regulated period only (1969-2003). See REMARKS.

