

Water-Data Report 2013

02094500 REEDY FORK NEAR GIBSONVILLE, NC

Cape Fear Basin
Haw Subbasin

LOCATION.--Lat 36°10'23", long 79°36'51" referenced to North American Datum of 1983, Guilford County, NC, Hydrologic Unit 03030002, on right bank 0.2 mi downstream from Huffines Mill on Secondary Road 2719, 1.2 mi upstream from Buffalo Creek, and 6 mi northwest of Gibsonville.

DRAINAGE AREA.--131 mi².

SURFACE-WATER RECORDS

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 National Geodetic Vertical Datum of 1929. Satellite telemetry at streamgage.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated since 1923 by Lake Brandt, 14 mi upstream; since 1957 by Lake Higgins on Brush Creek, a tributary to Lake Brandt; since 1943 by Richland Lake 12 mi. upstream from station; and since 1968 by Lake Townsend, 9 mi upstream from station. Prior to regulation, maximum discharge: 11,600 ft³/s, September 25, 1947; gage height: 20.77 ft; minimum discharge not determined. No flow also occurred September 9-12, 2007.

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.

02094500 REEDY FORK NEAR GIBSONVILLE, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	89	26	10	16	329	227	89	180	10	49	183	12
2	47	21	11	24	124	95	82	124	8.4	47	179	20
3	38	16	11	62	70	58	45	62	15	461	67	21
4	26	15	11	47	47	89	32	37	19	138	36	14
5	18	14	13	32	33	54	233	87	15	161	21	12
6	11	12	11	22	95	153	236	141	21	237	25	9.9
7	18	11	10	17	136	82	178	655	130	203	25	7.5
8	99	9.8	12	15	262	48	102	836	276	343	19	e6.8
9	86	7.3	13	57	338	82	86	324	285	185	17	e6.6
10	42	6.5	13	44	140	52	53	212	242	168	14	e6.4
11	24	5.5	15	27	196	36	38	150	513	830	15	e6.4
12	14	4.7	13	21	109	91	84	160	333	531	33	e6.9
13	10	7.4	11	17	81	206	149	69	118	157	38	e6.7
14	12	7.9	9.9	63	197	184	157	40	126	74	29	e6.1
15	28	7.0	11	237	95	84	74	26	52	56	80	e5.3
16	31	6.9	12	288	58	52	49	17	28	114	40	e5.2
17	22	8.4	17	799	48	38	68	16	20	70	62	e5.2
18	19	8.5	17	2,410	81	24	44	15	15	58	653	e5.0
19	56	8.6	15	1,210	55	29	31	44	30	34	1,390	e5.4
20	109	9.2	12	400	46	53	79	173	43	24	429	e5.8
21	61	8.8	21	287	33	56	68	116	25	27	278	e7.6
22	38	9.6	16	129	28	35	35	107	15	28	207	e18
23	27	8.9	13	72	113	24	22	79	22	223	121	e13
24	20	8.9	12	156	79	30	16	61	44	136	105	e6.9
25	18	7.8	14	e100	51	205	16	82	16	101	48	e6.3
26	17	9.3	84	e88	218	231	15	43	14	48	29	e5.9
27	30	9.5	61	e63	264	97	13	27	21	49	20	e5.5
28	29	10	26	42	462	60	16	19	20	82	17	e5.3
29	35	e11	20	86	---	105	265	14	20	119	14	e5.0
30	50	9.1	23	59	---	58	281	12	52	55	12	e4.8
31	45	---	19	196	---	43	---	11	---	42	12	---
Total	1,169	305.6	556.9	7,086	3,788	2,681	2,656	3,939	2,548.4	4,850	4,218	252.5
Mean	37.7	10.2	18.0	229	135	86.5	88.5	127	84.9	156	136	8.42
Max	109	26	84	2,410	462	231	281	836	513	830	1,390	21
Min	10	4.7	9.9	15	28	24	13	11	8.4	24	12	4.8
Cfsm	0.29	0.08	0.14	1.74	1.03	0.66	0.68	0.97	0.65	1.19	1.04	0.06
In.	0.33	0.09	0.16	2.01	1.08	0.76	0.75	1.12	0.72	1.38	1.20	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2013^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	46.3	54.4	89.5	152	137	163	134	83.1	63.4	56.2	42.4	71.4
Max	432	295	293	644	456	613	613	365	477	596	255	518
(WY)	(1991)	(2010)	(2010)	(1978)	(1979)	(1993)	(1987)	(1978)	(1982)	(1984)	(2003)	(1996)
Min	2.85	1.57	5.97	11.1	14.0	12.5	9.65	5.38	4.23	2.83	1.92	0.56
(WY)	(1969)	(2008)	(1969)	(1981)	(2011)	(2006)	(2002)	(2002)	(2002)	(1986)	(2002)	(2007)

02094500 REEDY FORK NEAR GIBSONVILLE, NC—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1969 - 2013 ^a	
Annual total	15,483.4		34,050.4			
Annual mean	42.3		93.3		90.8	
Highest annual mean					239	2003
Lowest annual mean					15.6	2002
Highest daily mean	787	Mar 25	2,410	Jan 18	5,230	Sep 6, 1996
Lowest daily mean	3.9	Aug 4	4.7	Nov 12	0.00	Sep 9, 2007
Annual seven-day minimum	6.2	Aug 1	5.4	Sep 14	0.01	Sep 6, 2007
Maximum peak flow			2,740	Jan 18	6,330	Sep 6, 1996
Maximum peak stage			9.13	Jan 18	15.65	Sep 6, 1996
Instantaneous low flow			Not determined		^b 0.00	Sep 8, 2007
Annual runoff (cfsm)	0.323		0.712		0.693	
Annual runoff (inches)	4.40		9.67		9.42	
10 percent exceeds	89		220		225	
50 percent exceeds	17		37		20	
90 percent exceeds	8.0		8.9		5.3	

^a Regulated period only (1969-2013). See Remarks.

^b See Remarks.

