

Water-Data Report 2008

02099000 EAST FORK DEEP RIVER NEAR HIGH POINT, NC

Cape Fear Basin
Deep Subbasin

LOCATION.--Lat 36°02'14", long 79°56'44" referenced to North American Datum of 1983, Guilford County, NC, Hydrologic Unit 03030003, on right bank, downstream of culvert on Secondary Road 1541, 3.3 mi upstream from High Point Dam, and 5.2 mi northeast of High Point College, High Point.

DRAINAGE AREA.--14.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1928 to March 1994, October 1997 to current year.

REVISED RECORDS.--WSP 1723: 1929(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 764.02 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge, 6,300 ft³/s, gage height, 10.87 ft, from floodmark, from rating curve extended above 1,600 ft³/s on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record and current water year also occurred on August 19.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.47	5.9	3.2	29	101	7.8	48	16	2.5	14	2.4	4.9
2	0.41	4.8	3.2	16	36	6.5	20	12	2.1	7.0	2.5	3.6
3	2.9	4.7	3.9	e11	18	6.9	36	9.8	2.1	3.8	2.8	2.3
4	2.2	4.5	3.4	e8.7	25	112	84	9.3	2.0	5.3	1.1	2.4
5	0.95	3.8	3.6	9.1	31	141	147	6.9	1.7	54	0.84	2.1
6	0.88	3.9	3.6	8.5	16	31	107	5.9	1.6	63	0.67	71
7	0.95	7.4	3.6	7.9	12	65	41	5.3	1.5	15	0.66	17
8	1.0	6.6	3.6	7.4	9.6	98	25	4.9	1.4	9.0	0.81	8.1
9	0.90	6.0	3.7	8.0	8.9	36	18	34	1.3	13	0.83	4.9
10	1.0	5.6	3.8	8.3	8.6	21	14	12	1.3	11	1.3	4.7
11	0.70	4.9	4.0	12	5.7	15	12	15	4.2	5.0	0.91	34
12	0.86	5.3	3.9	8.2	6.7	12	11	20	2.9	3.2	0.42	19
13	1.2	5.9	4.1	6.5	35	10	9.1	8.1	3.1	2.5	1.1	8.5
14	1.1	6.9	3.6	6.0	27	9.3	8.0	6.0	3.4	4.1	2.1	4.9
15	1.0	30	7.0	5.4	15	30	8.0	5.7	5.8	2.5	0.67	3.1
16	1.1	10	38	5.4	12	37	6.9	14	2.1	1.7	0.34	113
17	1.1	5.6	10	38	9.5	14	6.6	6.7	1.5	1.4	0.38	31
18	1.3	4.3	5.9	25	12	10	6.4	11	0.98	1.3	0.40	13
19	16	3.5	5.1	14	8.8	14	6.2	15	0.96	1.3	0.28	7.2
20	8.5	3.5	4.5	12	7.7	45	170	6.3	0.88	1.8	0.23	6.9
21	4.6	3.5	9.7	e7.7	6.9	15	65	4.3	1.3	1.3	0.55	4.9
22	3.9	10	6.6	e7.6	8.5	11	30	3.7	5.0	1.0	0.42	3.9
23	3.4	5.2	27	8.7	7.8	8.5	18	3.2	39	25	0.31	3.5
24	16	3.5	18	7.7	7.8	9.3	13	3.2	8.8	13	0.31	3.8
25	213	3.5	8.8	6.3	10	7.3	10	2.9	3.3	3.5	0.40	3.8
26	421	5.9	31	5.7	33	6.5	8.3	2.9	2.0	2.0	14	68
27	75	6.7	16	5.5	20	6.4	15	2.5	3.6	1.4	615	38
28	25	7.1	25	4.9	11	6.6	163	5.2	2.5	1.0	87	14
29	13	3.7	49	5.0	9.1	15	50	4.3	4.6	0.87	23	7.7
30	9.6	3.3	144	6.5	---	12	22	2.9	126	0.92	13	5.4
31	7.4	---	73	4.8	---	30	---	2.8	---	1.7	8.6	---
Total	836.42	185.5	529.8	316.8	519.6	849.1	1,178.5	261.8	239.42	271.59	783.33	514.6
Mean	27.0	6.18	17.1	10.2	17.9	27.4	39.3	8.45	7.98	8.76	25.3	17.2
Max	421	30	144	38	101	141	170	34	126	63	615	113
Min	0.41	3.3	3.2	4.8	5.7	6.4	6.2	2.5	0.88	0.87	0.23	2.1
Cfsm	1.82	0.42	1.15	0.69	1.21	1.85	2.65	0.57	0.54	0.59	1.71	1.16
In.	2.10	0.47	1.33	0.80	1.31	2.13	2.96	0.66	0.60	0.68	1.97	1.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2008^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.2	12.6	16.8	23.8	27.0	26.6	21.6	15.2	13.2	13.3	12.9	15.7
Max	79.5	56.8	48.6	82.9	83.0	106	71.6	58.8	61.5	97.5	55.9	124
(WY)	(1960)	(2007)	(1933)	(1978)	(1979)	(1975)	(1987)	(1978)	(1969)	(1975)	(1949)	(2000)
Min	1.88	2.35	3.53	4.32	6.48	6.75	5.52	4.45	3.41	2.93	2.87	1.74
(WY)	(1942)	(1942)	(1942)	(1942)	(1931)	(2006)	(1942)	(2007)	(1986)	(1977)	(1941)	(1954)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1929 - 2008 ^a	
Annual total	5,798.02		6,486.46			
Annual mean	15.9		17.7		17.5	
Highest annual mean					40.4	2003
Lowest annual mean					7.28	1967
Highest daily mean	586	Apr 15	615	Aug 27	1,670	Sep 24, 1947
Lowest daily mean	0.41	Oct 2	0.23	Aug 20	0.23	Aug 20, 2008
Annual seven-day minimum	0.85	Sep 26	0.36	Aug 18	0.36	Aug 18, 2008
Maximum peak flow			1,480	Aug 27	^b 6,300	Sep 24, 1947
Maximum peak stage			10.81	Aug 27	13.46	Sep 23, 2003
Instantaneous low flow			^b 0.17	Aug 16	^b 0.17	Aug 16, 2008
Annual runoff (cfsm)	1.07		1.20		1.18	
Annual runoff (inches)	14.57		16.30		16.08	
10 percent exceeds	28		36		27	
50 percent exceeds	4.9		6.6		7.1	
90 percent exceeds	1.3		1.1		3.5	

^aSee Period of Record.^bSee Remarks.