

Water-Data Report 2011

**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 mi<sup>2</sup>.

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

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge, 6,300 ft<sup>3</sup>/s, gage height, 10.87 ft, from floodmark, from rating curve extended above 1,600 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record also occurred August 19, 2008. Minimum discharge for current water year also occurred several days in June and August.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	e2.9	65	17	4.7	50	19	5.6	3.3	7.0	3.1	1.8
2	20	e2.8	17	35	24	15	13	5.7	2.9	4.3	2.1	3.4
3	13	4.1	10	16	8.2	e8.0	9.5	5.2	2.9	3.2	2.0	2.3
4	9.1	27	8.8	8.6	13	5.3	7.8	61	2.8	3.0	2.1	2.0
5	6.8	10	10	7.0	52	4.9	46	15	2.6	3.2	1.7	3.7
6	5.6	4.5	6.5	8.7	20	122	17	8.4	2.4	52	2.7	192
7	5.0	3.3	e5.0	6.9	11	44	9.8	6.6	2.3	12	2.6	46
8	4.8	3.6	e4.5	6.3	8.9	18	7.8	7.5	2.0	72	2.0	16
9	4.6	4.0	4.2	e4.9	6.4	19	39	6.0	19	152	1.9	7.7
10	4.5	3.3	4.2	5.0	5.6	91	41	5.0	11	18	1.7	4.6
11	e4.6	2.8	4.3	7.9	4.9	39	17	4.6	17	9.3	1.6	3.5
12	e3.9	3.1	17	8.2	5.0	18	12	4.8	13	6.4	1.6	2.8
13	e4.2	e3.1	e15	e7.0	4.8	12	11	5.2	7.7	5.0	7.1	2.4
14	26	e3.0	e7.0	6.0	5.5	8.6	7.3	6.6	3.4	3.8	5.8	2.2
15	9.5	e2.9	4.8	6.1	4.8	8.6	6.4	6.0	2.6	3.2	6.1	2.2
16	e3.8	e4.0	10	6.2	4.6	19	202	9.2	2.3	3.3	2.8	1.8
17	e3.6	e4.4	12	5.8	4.6	8.8	52	53	2.1	3.3	2.1	2.3
18	e3.4	e3.3	7.1	9.2	4.5	7.5	24	20	2.5	3.1	2.2	2.2
19	e3.4	e3.2	5.7	7.8	4.2	7.0	17	7.2	3.1	3.0	2.0	2.0
20	10	e3.2	5.0	6.4	3.3	6.0	12	5.0	2.0	3.2	2.1	1.9
21	8.8	e3.1	4.7	6.1	3.7	6.0	8.7	3.8	1.8	2.9	2.1	7.2
22	e3.1	e3.0	4.7	5.5	3.3	5.9	22	3.3	18	2.9	1.9	9.4
23	e3.0	e3.2	4.7	e5.4	3.1	7.2	21	32	4.4	16	1.5	329
24	e3.0	e3.2	4.3	5.4	6.9	64	10	6.6	3.1	19	1.8	67
25	16	e3.0	6.3	5.4	32	17	7.8	4.5	2.1	17	1.8	26
26	52	e4.2	19	35	11	9.9	6.9	3.4	1.9	12	1.7	12
27	83	e3.5	12	21	6.1	42	7.0	21	2.0	6.7	2.0	17
28	32	e2.7	e7.5	9.3	54	20	11	46	88	4.6	2.6	12
29	10	e2.5	e6.5	6.5	---	13	6.7	10	79	3.1	3.7	6.2
30	5.8	5.1	7.0	5.4	---	95	5.5	5.3	14	2.7	4.7	5.1
31	4.3	---	9.4	4.9	---	38	---	3.8	---	3.2	2.1	---
<b>Total</b>	412.8	132.0	309.2	295.9	320.1	829.7	677.2	387.3	321.2	460.4	81.2	793.7
<b>Mean</b>	13.3	4.40	9.97	9.55	11.4	26.8	22.6	12.5	10.7	14.9	2.62	26.5
<b>Max</b>	83	27	65	35	54	122	202	61	88	152	7.1	329
<b>Min</b>	3.0	2.5	4.2	4.9	3.1	4.9	5.5	3.3	1.8	2.7	1.5	1.8
<b>Cfsm</b>	0.90	0.30	0.67	0.64	0.77	1.81	1.53	0.84	0.72	1.00	0.18	1.79
<b>In.</b>	1.04	0.33	0.78	0.74	0.80	2.09	1.70	0.97	0.81	1.16	0.20	1.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2011<sup>a</sup>, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	12.1	13.0	17.1	23.7	26.7	26.8	21.5	15.3	13.5	13.3	12.7	15.9
<b>Max</b>	79.5	60.5	48.6	82.9	83.0	106	71.6	58.8	61.5	97.5	55.9	124
<b>(WY)</b>	(1960)	(2010)	(1933)	(1978)	(1979)	(1975)	(1987)	(1978)	(1969)	(1975)	(1949)	(2000)
<b>Min</b>	1.88	2.35	3.53	4.32	6.48	6.75	5.52	4.45	3.41	2.93	2.62	1.74
<b>(WY)</b>	(1942)	(1942)	(1942)	(1942)	(1931)	(2006)	(1942)	(2007)	(1986)	(1977)	(2011)	(1954)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1929 - 2011 <sup>a</sup>	
<b>Annual total</b>	7,711.4		5,020.7			
<b>Annual mean</b>	21.1		13.8		17.6	
<b>Highest annual mean</b>					40.4	2003
<b>Lowest annual mean</b>					7.28	1967
<b>Highest daily mean</b>	660	Sep 30	329	Sep 23	1,670	Sep 24, 1947
<b>Lowest daily mean</b>	1.2	Jul 8	1.5	Aug 23	0.23	Aug 20, 2008
<b>Annual seven-day minimum</b>	1.6	Jul 2	1.8	Aug 21	0.36	Aug 18, 2008
<b>Maximum peak flow</b>			1,190	Sep 23	<sup>b</sup> 6,300	Sep 24, 1947
<b>Maximum peak stage</b>			9.74	Sep 23	13.46	Sep 23, 2003
<b>Instantaneous low flow</b>			<sup>b</sup> 1.5	Jun 9	<sup>b</sup> 0.17	Aug 16, 2008
<b>Annual runoff (cfsm)</b>	1.43		0.929		1.19	
<b>Annual runoff (inches)</b>	19.38		12.62		16.15	
<b>10 percent exceeds</b>	39		32		27	
<b>50 percent exceeds</b>	8.4		5.8		7.1	
<b>90 percent exceeds</b>	3.1		2.3		3.4	

<sup>a</sup> See Period of Record.

<sup>b</sup> See Remarks.

