



Water-Data Report 2010

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 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 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 also occurred August 19, 2008.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.9	231	9.8	14	e20	8.9	21	5.8	9.6	2.3	7.3	3.9
2	3.6	36	64	11	60	13	15	6.2	7.3	2.0	5.7	3.7
3	3.1	20	54	e10	98	21	12	6.4	13	1.8	4.8	3.8
4	2.5	12	20	9.6	52	13	11	6.0	5.8	1.7	4.3	3.4
5	3.7	9.7	31	9.9	313	10	9.7	5.2	4.7	1.6	20	3.3
6	3.8	9.0	19	e9.3	119	9.0	9.7	5.1	9.6	1.5	14	4.3
7	3.6	7.5	13	e9.0	49	8.9	9.2	4.6	10	1.3	5.6	4.7
8	2.7	6.9	13	e9.4	29	8.8	38	4.7	4.1	1.2	4.5	3.6
9	3.1	6.9	165	e8.5	27	8.5	76	3.6	3.8	2.5	4.2	4.2
10	23	18	38	7.7	32	8.7	21	3.9	3.6	1.7	8.3	3.7
11	6.7	427	20	7.3	18	20	13	4.5	3.3	1.3	43	3.7
12	8.6	609	15	7.5	15	28	11	5.4	3.1	4.2	262	4.4
13	11	67	47	7.1	17	128	9.4	4.6	53	95	27	3.5
14	6.0	35	32	8.2	14	37	8.9	4.6	42	172	17	3.2
15	13	22	17	7.2	18	19	8.6	16	32	23	16	2.5
16	6.3	17	14	7.2	16	14	9.0	83	29	12	11	2.6
17	4.2	13	11	190	12	12	8.4	129	12	133	8.0	2.4
18	3.1	12	12	40	11	11	7.1	59	8.1	41	13	2.4
19	2.7	16	37	20	11	10	7.6	23	7.2	17	25	2.7
20	2.7	12	39	15	10	9.1	7.5	13	5.8	34	17	2.8
21	2.7	9.6	33	37	9.4	8.5	9.8	9.6	5.1	26	9.4	2.8
22	2.9	9.0	24	55	28	10	8.9	13	4.6	9.5	8.2	3.5
23	3.2	91	19	20	16	8.3	6.8	83	7.3	6.2	6.3	3.4
24	e16	36	16	25	24	7.7	7.2	25	7.7	5.1	8.5	3.1
25	e8.5	18	266	525	20	7.9	30	18	4.7	4.5	6.9	2.6
26	e5.5	15	62	50	12	11	11	11	3.7	4.0	6.0	20
27	35	19	30	28	10	9.7	7.1	7.5	3.2	36	4.8	58
28	91	11	19	19	9.4	136	6.2	9.0	2.9	19	4.6	29
29	19	9.7	14	16	---	375	5.9	41	2.1	8.4	4.4	50
30	13	10	12	e16	---	52	6.1	10	2.3	6.2	4.1	660
31	11	---	18	e15	---	29	---	11	---	5.3	3.9	---
Total	326.1	1,815.3	1,183.8	1,213.9	1,069.8	1,053.0	412.1	631.7	310.6	680.3	584.8	901.2
Mean	10.5	60.5	38.2	39.2	38.2	34.0	13.7	20.4	10.4	21.9	18.9	30.0
Max	91	609	266	525	313	375	76	129	53	172	262	660
Min	2.5	6.9	9.8	7.1	9.4	7.7	5.9	3.6	2.1	1.2	3.9	2.4
Cfsm	0.71	4.09	2.58	2.65	2.58	2.30	0.93	1.38	0.70	1.48	1.27	2.03
In.	0.82	4.56	2.98	3.05	2.69	2.65	1.04	1.59	0.78	1.71	1.47	2.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2010^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.1	13.1	17.2	23.9	26.9	26.8	21.5	15.4	13.5	13.3	12.9	15.8
Max	79.5	60.5	48.6	82.9	83.0	106	71.6	58.8	61.5	97.5	55.9	124
(WY)	(1960)	(2010)	(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 2009		Water Year 2010		Water Years 1929 - 2010 ^a	
Annual total	8,355.8		10,182.6			
Annual mean	22.9		27.9		17.6	
Highest annual mean					40.4	2003
Lowest annual mean					7.28	1967
Highest daily mean	609	Nov 12	660	Sep 30	1,670	Sep 24, 1947
Lowest daily mean	1.6	Sep 15	1.2	Jul 8	0.23	Aug 20, 2008
Annual seven-day minimum	1.9	Sep 9	1.6	Jul 2	0.36	Aug 18, 2008
Maximum peak flow			1,700	Sep 30	^b 6,300	Sep 24, 1947
Maximum peak stage			11.56	Sep 30	13.46	Sep 23, 2003
Instantaneous low flow			0.84	Jul 12	^b 0.17	Aug 16, 2008
Annual runoff (cfsm)	1.55		1.88		1.19	
Annual runoff (inches)	21.00		25.59		16.19	
10 percent exceeds	42		50		27	
50 percent exceeds	7.5		10		7.2	
90 percent exceeds	2.8		3.3		3.5	

^a See Period of Record.

^b See Remarks.

