

Water-Data Report 2007

**02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC**

Cape Fear Basin  
Northeast Cape Fear Subbasin

LOCATION.--Lat 34°35'54", long 77°52'31" referenced to North American Datum of 1983, Pender County, NC, Hydrologic Unit 03030007, on left bank at North Carolina Highway 53 bridge, 3.9 mi above Holly Shelter Creek and 4.5 mi east of Burgaw.

DRAINAGE AREA.--920 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--September 1999 to November 2003, October 2004 to current year. For the period November 2003 to November 2005 maximum and minimum discharges also published. Records for September 1999 are unpublished and available from the USGS Water Science Center, Raleigh, NC.

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

REMARKS.--This site is strongly affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. Mean daily discharge for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 22.77 ft, September 20, 1999; minimum elevation, -0.18 ft, January 2, 2002; maximum discharge, 6,830 ft<sup>3</sup>/s, October 13, 2005; minimum discharge, -567 ft<sup>3</sup>/s, September 4, 2005.

## 02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

**ELEVATION, FEET**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.38	4.25	11.79	9.65	4.54	3.00	1.86	1.95	1.52	1.83	1.89	1.86
2	2.32	4.20	10.78	9.25	5.06	4.36	1.83	1.85	1.47	1.85	1.93	1.72
3	2.29	3.93	9.74	8.79	5.74	5.14	1.84	1.74	2.09	1.89	1.80	1.69
4	2.20	3.56	8.74	8.27	6.30	5.32	1.96	1.65	2.03	1.89	1.61	1.63
5	1.95	3.19	7.80	7.72	6.70	5.60	1.88	1.79	2.00	1.80	1.47	1.51
6	---	2.92	6.93	7.45	6.88	5.83	1.86	1.84	2.04	1.65	1.48	1.35
7	---	2.99	6.14	7.32	6.86	5.69	1.94	1.81	2.05	1.58	1.36	1.35
8	2.03	4.20	5.40	7.37	6.58	5.25	1.51	2.03	2.11	1.85	1.36	1.43
9	2.20	4.73	4.72	7.48	6.10	4.51	1.42	2.37	2.05	1.97	1.31	1.63
10	2.60	4.99	4.15	7.49	5.51	3.74	1.29	2.32	2.05	1.94	1.26	1.58
11	2.85	5.12	3.62	7.36	4.87	3.10	1.43	2.07	2.07	1.81	1.38	1.49
12	2.77	5.10	3.29	7.06	4.18	2.69	1.76	2.01	2.04	1.78	1.45	1.53
13	2.55	4.87	3.07	6.60	3.56	2.44	1.28	2.14	1.95	1.73	1.77	1.48
14	2.44	4.71	2.97	6.09	3.51	2.21	1.31	2.33	2.01	1.75	1.90	1.57
15	2.35	4.62	2.97	5.56	3.67	2.12	2.74	2.60	2.05	1.77	1.92	1.72
16	2.11	4.64	2.94	5.07	4.01	2.34	4.60	2.55	2.19	1.78	1.86	1.51
17	2.03	4.91	2.79	4.54	4.17	2.45	5.36	2.45	2.06	1.84	1.65	1.75
18	2.18	5.09	2.71	4.14	4.12	2.50	6.20	2.37	1.82	1.95	1.30	1.73
19	2.21	5.39	2.57	4.10	3.79	2.58	6.80	2.32	1.63	2.38	1.23	1.72
20	2.51	5.61	2.53	4.06	3.69	2.49	7.01	2.34	1.67	2.54	1.33	1.77
21	2.38	5.76	2.60	4.04	3.63	2.28	6.84	2.12	1.58	2.48	1.28	1.71
22	2.43	7.73	2.63	4.38	3.51	2.17	6.29	1.91	1.64	2.45	1.20	1.69
23	2.28	9.90	5.23	5.03	3.27	2.16	5.51	1.74	1.48	2.42	1.32	1.66
24	1.86	12.79	6.71	5.61	3.00	2.02	4.65	1.53	1.49	2.33	1.48	1.63
25	1.81	14.84	7.60	6.02	2.91	1.68	3.78	1.54	1.41	2.13	1.52	1.88
26	1.86	15.33	8.64	6.16	3.00	1.55	3.10	1.45	1.30	1.77	1.63	1.92
27	1.97	15.10	9.38	6.05	2.84	1.57	2.75	1.33	1.31	1.69	1.61	1.97
28	2.90	14.50	10.01	5.80	2.90	1.45	2.53	1.31	1.37	1.76	1.41	1.92
29	3.31	13.68	10.33	5.46	---	1.48	2.22	1.37	1.43	1.79	1.62	1.61
30	3.73	12.72	10.29	5.09	---	1.70	2.08	1.48	1.70	1.77	1.86	1.67
31	4.06	---	10.03	4.79	---	1.84	---	1.60	---	1.75	1.98	---
<b>Mean</b>	---	7.05	6.10	6.25	4.46	3.01	3.19	1.93	1.79	1.93	1.55	1.66
<b>Max</b>	---	15.33	11.79	9.65	6.88	5.83	7.01	2.60	2.19	2.54	1.98	1.97
<b>Min</b>	---	2.92	2.53	4.04	2.84	1.45	1.28	1.31	1.30	1.58	1.20	1.35

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