

Water-Data Report 2010

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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: November 2003 to November 2005 (discontinued).

GAGE HEIGHT: September 1999 to current year. Records for September 1999, October 2003 to September 2004 are unpublished and available from the U.S. Geological Survey Water Science Center, Raleigh, NC.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929. Satellite telemetry at streamgage.

REMARKS.--This site is affected by astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.84 hours.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 22.77 ft, September 20, 1999; minimum elevation, not determined; maximum discharge, 6,830 ft³/s, October 13, 2005; minimum discharge, -567 ft³/s, September 4, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.07 ft, February 11; minimum gage height, -0.17 ft, May 13.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.74	2.44	3.87	8.85	8.80	4.53	3.12	1.47	1.74	1.37	1.69	1.66
2	3.47	2.30	3.70	8.50	8.51	4.35	3.12	1.37	1.69	1.39	1.56	1.54
3	3.23	2.40	5.19	8.15	8.18	4.76	3.06	1.38	---	1.49	1.42	1.70
4	2.92	2.46	6.24	7.82	7.81	5.22	2.92	1.12	---	1.44	1.29	2.00
5	2.62	2.47	7.11	7.47	7.53	5.63	2.76	0.90	1.65	1.28	1.34	2.00
6	2.61	2.26	7.82	7.03	7.89	5.92	2.60	0.99	1.63	1.15	1.35	1.92
7	2.67	2.18	8.27	6.46	8.48	6.03	2.40	1.08	1.42	1.08	1.55	1.84
8	2.45	2.07	8.55	5.85	9.36	5.99	2.22	1.13	1.47	1.25	1.83	1.81
9	2.35	1.78	8.65	5.21	10.18	5.85	2.23	0.90	1.42	1.64	2.01	1.90
10	2.25	1.67	8.59	4.63	10.73	5.66	1.74	0.79	1.44	1.80	2.07	2.00
11	1.93	2.59	8.41	4.11	11.00	5.39	1.76	0.92	1.27	1.68	2.11	2.19
12	1.97	5.01	8.27	3.71	10.97	5.25	1.67	0.91	1.43	1.65	2.04	2.24
13	2.01	6.53	8.17	3.27	10.70	5.15	1.62	0.85	1.65	1.74	1.95	1.93
14	2.09	7.68	8.07	3.03	10.16	5.05	1.50	0.87	1.81	1.74	1.88	1.84
15	2.32	8.49	7.93	2.81	9.48	4.88	1.58	0.98	1.70	1.68	1.84	1.56
16	2.52	8.95	7.67	2.65	8.74	4.72	1.64	0.95	1.67	1.80	1.75	1.23
17	2.58	9.11	7.31	2.99	8.01	4.56	1.61	1.18	1.80	1.72	1.54	1.18
18	2.64	8.99	6.82	3.73	7.36	4.38	1.49	1.44	1.79	1.47	1.29	0.95
19	2.54	8.70	6.40	4.16	6.75	4.20	1.77	1.38	1.93	1.44	1.70	1.04
20	2.62	8.19	6.12	4.53	6.15	3.93	1.72	1.51	2.03	1.25	2.07	1.50
21	2.45	7.59	5.90	4.72	5.59	3.57	1.67	1.52	1.82	0.99	2.12	1.67
22	2.09	6.93	5.78	5.21	5.16	3.29	1.59	1.45	1.60	0.99	2.21	1.69
23	1.94	6.37	5.62	5.68	5.00	3.04	1.52	1.41	1.48	1.11	2.59	1.70
24	2.04	5.97	5.37	6.12	4.91	2.69	1.49	1.52	1.33	1.31	2.53	1.64
25	1.83	5.73	5.16	6.85	4.95	2.58	1.78	1.52	1.40	1.35	2.54	1.76
26	1.68	5.59	6.06	7.62	4.96	2.69	1.96	1.64	1.37	1.37	2.57	1.98
27	1.97	5.40	7.25	8.13	4.87	2.50	1.79	2.01	1.49	1.39	2.48	2.97
28	1.99	5.08	8.28	8.62	4.73	2.59	1.69	2.02	1.55	1.49	2.21	5.18
29	1.84	4.74	8.84	8.93	---	2.91	1.78	2.08	1.38	1.47	2.03	5.97
30	2.06	4.35	9.04	9.05	---	3.01	1.69	1.97	1.31	1.30	1.87	8.36
31	2.44	---	9.06	9.00	---	3.08	---	1.83	---	1.48	1.69	---
Mean	2.38	5.13	7.08	5.96	7.75	4.30	1.98	1.33	---	1.43	1.91	2.23
Max	3.74	9.11	9.06	9.05	11.00	6.03	3.12	2.08	---	1.80	2.59	8.36
Min	1.68	1.67	3.70	2.65	4.73	2.50	1.49	0.79	---	0.99	1.29	0.95

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