

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC

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

DRAINAGE AREA.--920 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1999 to November 2003 (elevations only), November 2003 to current year. Records for September 1999 are unpublished and available in the USGS District Office, Raleigh, NC.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum, 22.77 ft, Sept. 20, 1999; minimum, -0.18 ft, Jan. 2, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,610 ft³/s, Aug. 20; minimum discharge -472 ft³/s, July 30.

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.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX		MIN		MAX		MIN		MAX		MIN	
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH						
1	---	---	---	---	1,080	538	1,470	1,150	1,220	936	3,430	3,000
2	---	---	---	---	954	367	---	---	1,140	819	3,490	3,150
3	---	---	---	---	931	321	---	---	1,090	705	3,390	3,030
4	---	---	---	---	808	211	---	---	1,090	729	3,180	2,710
5	---	---	---	---	971	427	---	---	---	---	2,850	2,340
6	---	---	---	---	1,280	785	1,040	696	---	---	2,490	1,930
7	---	---	---	---	1,300	1,040	985	625	1,040	770	2,010	1,610
8	---	---	---	---	1,310	1,070	965	555	1,060	755	1,740	1,400
9	---	---	---	---	1,270	1,040	1,020	531	1,030	692	1,600	1,160
10	---	---	---	---	1,390	1,060	961	517	1,000	619	1,330	998
11	---	---	---	---	2,170	1,370	936	492	992	618	1,230	848
12	---	---	---	---	2,620	2,070	959	524	1,010	553	1,060	766
13	---	---	---	---	3,020	2,560	933	467	1,300	937	1,000	633
14	---	---	1,850	1,270	3,610	2,820	955	456	1,540	1,230	929	524
15	---	---	1,530	1,020	4,180	3,450	924	456	1,870	1,510	921	376
16	---	---	1,280	834	4,500	3,960	906	415	2,180	1,690	895	373
17	---	---	1,110	599	4,880	4,240	900	365	2,400	2,020	1,070	637
18	---	---	982	463	5,000	4,650	850	354	2,790	2,280	1,170	846
19	---	---	924	497	5,040	4,400	880	372	2,920	2,600	1,100	851
20	---	---	---	---	4,880	4,310	845	324	3,070	2,720	1,070	780
21	---	---	1,840	1,400	4,710	4,090	860	344	3,050	2,680	946	736
22	---	---	1,900	1,460	4,290	3,700	---	---	2,960	2,570	952	653
23	---	---	1,870	1,530	3,840	3,180	---	---	2,720	2,260	929	510
24	---	---	1,810	1,430	3,330	2,750	815	193	2,400	1,850	905	434
25	---	---	---	---	2,890	2,390	---	---	2,030	1,700	860	226
26	---	---	1,540	1,170	2,540	2,090	---	---	1,820	1,560	787	100
27	---	---	---	---	2,280	1,930	830	439	2,320	1,700	787	35
28	---	---	1,260	807	2,060	1,750	1,010	678	2,810	2,250	735	13
29	---	---	1,140	761	1,870	1,610	1,130	832	3,190	2,690	668	-50
30	---	---	1,140	619	1,730	1,450	1,220	948	---	---	636	-41
31	---	---	---	---	1,630	1,340	1,190	911	---	---	629	36
MONTH	---	---	---	---	5,040	211	---	---	---	---	3,490	-50

02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX		MIN		MAX		MIN		MAX		MIN	
	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	MAX	MIN	MAX	MIN	MAX	MIN
1	720	92	1,390	449	604	-132	1,110	413	492	-411	2,390	1,750
2	729	69	2,010	1,380	683	-118	1,130	646	581	-312	2,860	2,290
3	732	36	2,600	1,900	671	-105	1,120	773	566	-20	3,000	2,660
4	669	59	3,360	2,570	603	-85	1,070	793	668	129	3,030	2,740
5	695	47	3,800	3,190	644	-95	1,070	708	663	95	2,880	2,410
6	694	-8.2	4,360	3,640	711	-73	961	517	759	188	2,570	2,030
7	712	-30	4,660	4,170	805	149	813	276	861	501	2,190	1,830
8	677	-8.2	4,790	4,430	840	434	753	184	899	593	1,980	1,770
9	633	-53	4,760	4,370	975	367	714	69	881	393	2,170	1,760
10	610	-63	4,550	3,990	812	182	689	-85	721	126	2,220	1,960
11	614	-74	4,210	3,540	719	68	633	-171	607	-87	2,500	2,100
12	748	-41	3,650	2,850	826	174	596	-173	615	-166	2,650	2,320
13	1,130	596	2,970	2,020	863	299	608	-219	1,100	-99	2,590	2,380
14	1,670	1,070	2,050	1,260	908	354	621	-209	2,050	997	2,520	2,150
15	2,110	1,590	1,320	725	881	354	555	-219	2,990	2,050	2,330	1,940
16	2,360	1,970	960	486	885	279	522	-234	3,620	2,900	2,040	1,620
17	2,550	2,190	847	293	817	197	467	-323	4,430	3,600	1,750	1,360
18	2,600	2,340	818	159	863	142	506	-291	5,190	4,320	1,580	1,260
19	2,600	2,380	739	134	1,050	358	593	-355	5,500	4,910	1,460	1,200
20	2,530	2,130	689	24	1,140	692	523	-343	5,610	5,240	1,400	1,140
21	2,300	1,720	667	-62	1,130	717	484	-435	5,520	4,930	1,260	1,060
22	1,850	1,320	576	-92	1,110	669	517	-343	5,040	4,380	1,200	988
23	1,450	910	575	-116	966	361	530	-179	4,470	3,550	1,150	889
24	1,030	552	576	-178	882	246	525	-348	3,710	2,820	1,070	800
25	828	263	610	-206	842	184	467	-466	2,900	2,000	918	632
26	770	100	637	-193	805	180	531	-405	2,060	1,440	842	575
27	736	68	571	-117	838	165	548	-351	1,530	1,180	732	431
28	751	118	589	-133	801	91	465	-370	1,300	1,090	577	337
29	839	154	571	-192	816	158	504	-400	1,370	1,020	651	364
30	954	330	562	-207	863	148	534	-472	1,710	1,330	677	299
31	---	---	610	-130	---	---	469	-464	1,920	1,630	---	---
MONTH	2,600	-74	4,790	-207	1,140	-132	1,130	-472	5,610	-411	3,030	299

