

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, October 2004 to September 2005 (elevation), November 2003 to November 2005 (discharge). Records for September 1999 are unpublished and available in the USGS Water Science Center, Raleigh, NC.

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

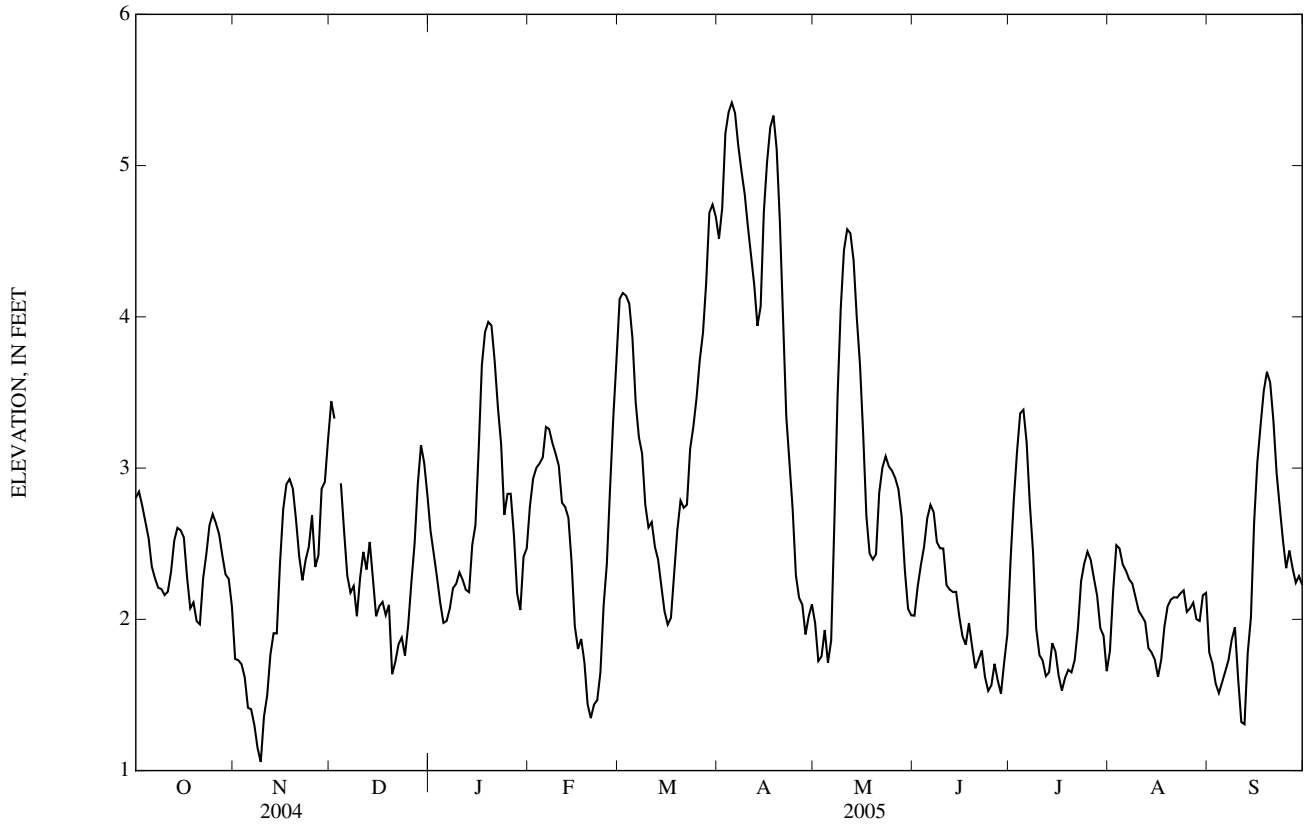
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 22.77 ft, Sept. 20, 1999; minimum elevation, -0.18 ft, Jan 2, 2002; maximum discharge, 6,830 ft³/s, Oct. 13, 2005; minimum discharge, -567 ft³/s, Sept. 4, 2005.

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.

ELEVATION, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.80	1.74	3.44	2.58	2.75	4.12	4.52	1.97	2.02	2.40	1.79	1.78
2	2.84	1.73	3.33	2.43	2.93	4.16	4.72	1.72	2.22	2.79	2.19	1.71
3	2.75	1.70	---	2.28	3.00	4.14	5.21	1.76	2.36	3.11	2.49	1.57
4	2.64	1.62	2.90	2.11	3.03	4.09	5.35	1.93	2.48	3.36	2.47	1.51
5	2.54	1.42	2.58	1.98	3.07	3.86	5.42	1.71	2.67	3.39	2.36	1.58
6	2.35	1.41	2.29	1.99	3.27	3.43	5.35	1.86	2.76	3.17	2.32	1.66
7	2.27	1.30	2.18	2.07	3.26	3.21	5.13	2.64	2.71	2.76	2.26	1.73
8	2.21	1.15	2.22	2.21	3.17	3.10	4.97	3.47	2.51	2.45	2.24	1.86
9	2.20	1.06	2.02	2.24	3.10	2.76	4.82	4.06	2.47	1.94	2.15	1.95
10	2.16	1.36	2.27	2.31	3.02	2.61	4.60	4.44	2.47	1.76	2.05	1.61
11	2.18	1.50	2.45	2.26	2.77	2.64	4.41	4.58	2.23	1.73	2.02	1.32
12	2.31	1.77	2.33	2.20	2.74	2.48	4.21	4.55	2.20	1.62	1.98	1.31
13	2.52	1.91	2.51	2.18	2.67	2.39	3.94	4.37	2.18	1.65	1.81	1.78
14	2.61	1.91	2.27	2.49	2.38	2.22	4.07	3.99	2.18	1.84	1.78	2.01
15	2.59	2.37	2.02	2.62	1.96	2.05	4.69	3.68	2.02	1.79	1.73	2.64
16	2.54	2.73	2.09	3.12	1.80	1.97	5.02	3.22	1.89	1.63	1.62	3.04
17	2.28	2.89	2.12	3.68	1.87	2.01	5.25	2.68	1.83	1.53	1.73	3.28
18	2.07	2.93	2.03	3.90	1.72	2.30	5.33	2.44	1.97	1.61	1.95	3.51
19	2.11	2.86	2.10	3.97	1.44	2.59	5.11	2.40	1.82	1.67	2.09	3.64
20	1.99	2.66	1.64	3.94	1.35	2.79	4.63	2.43	1.68	1.65	2.13	3.57
21	1.97	2.42	1.72	3.71	1.44	2.74	3.99	2.84	1.73	1.73	2.15	3.32
22	2.27	2.26	1.84	3.40	1.47	2.76	3.34	3.00	1.79	1.94	2.14	2.97
23	2.43	2.39	1.88	3.16	1.65	3.13	3.03	3.08	1.62	2.25	2.17	2.74
24	2.62	2.48	1.76	2.69	2.09	3.27	2.72	3.01	1.53	2.37	2.19	2.52
25	2.70	2.69	1.96	2.83	2.37	3.46	2.29	2.98	1.56	2.45	2.05	2.34
26	2.64	2.35	2.24	2.83	2.86	3.71	2.14	2.93	1.71	2.39	2.07	2.45
27	2.56	2.42	2.50	2.56	3.33	3.89	2.10	2.86	1.60	2.27	2.11	2.34
28	2.42	2.86	2.89	2.17	3.71	4.22	1.90	2.68	1.51	2.16	2.00	2.24
29	2.30	2.91	3.15	2.06	---	4.69	2.02	2.32	1.72	1.94	1.99	2.29
30	2.27	3.19	3.03	2.41	---	4.74	2.10	2.07	1.90	1.89	2.16	2.23
31	2.08	---	2.82	2.47	---	4.66	---	2.03	---	1.66	2.18	---
MEAN	2.39	2.13	---	2.67	2.51	3.23	4.08	2.89	2.04	2.16	2.08	2.28
MAX	2.84	3.19	---	3.97	3.71	4.74	5.42	4.58	2.76	3.39	2.49	3.64
MIN	1.97	1.06	---	1.98	1.35	1.97	1.90	1.71	1.51	1.53	1.62	1.31

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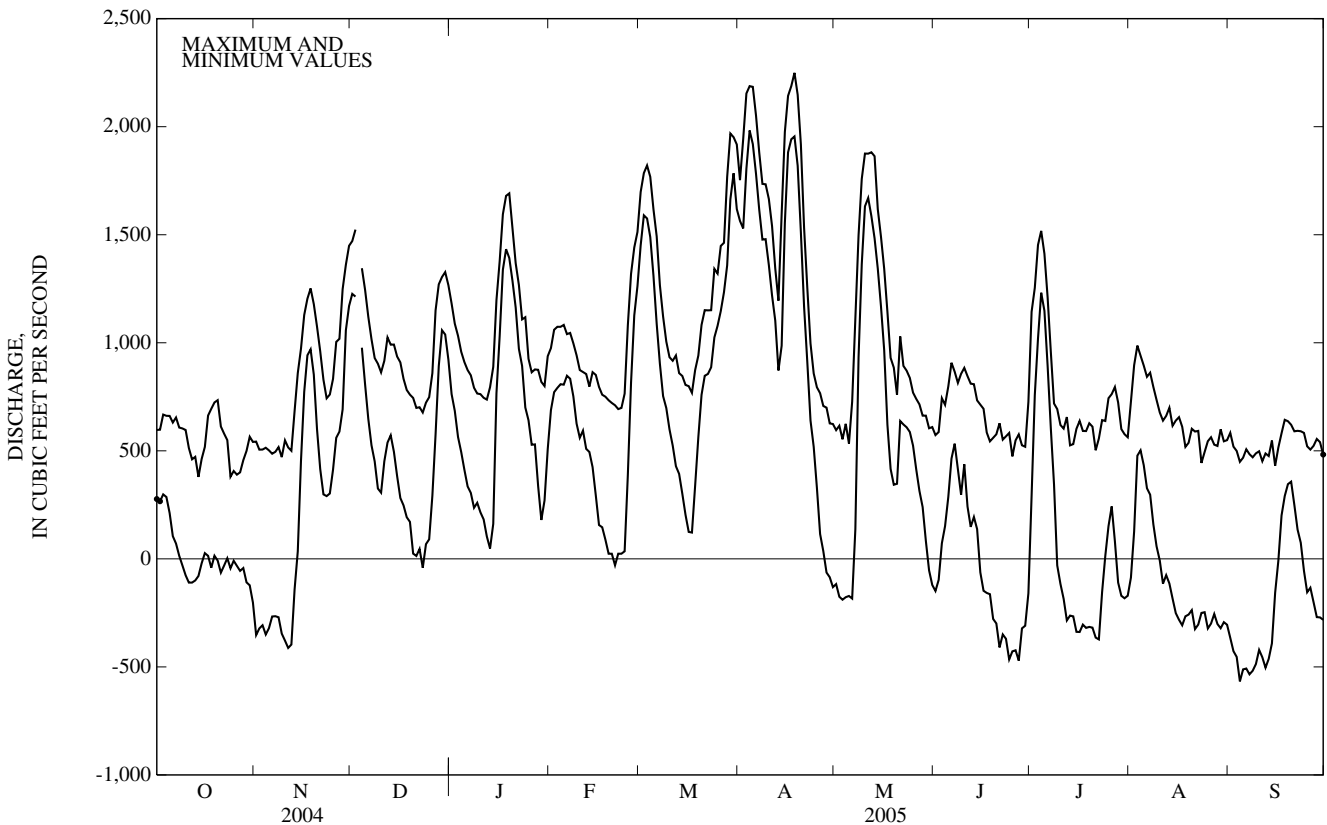
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	597	277	543	-353	1,470	1,230	1,180	763	975	688	1,700	1,450
2	598	266	505	-322	1,520	1,210	1,090	685	1,060	771	1,790	1,590
3	668	298	506	-307	---	---	1,030	564	1,070	791	1,820	1,580
4	662	286	514	-350	1,350	977	958	494	1,070	808	1,770	1,490
5	661	212	502	-321	1,240	807	910	412	1,080	806	1,620	1,310
6	631	105	486	-267	1,120	648	874	335	1,040	847	1,490	1,090
7	654	71	495	-265	1,020	526	849	305	1,050	834	1,270	903
8	608	14	517	-270	929	451	792	236	997	752	1,120	753
9	604	-31	471	-346	903	325	765	260	942	626	1,010	698
10	596	-76	548	-378	863	306	762	215	874	560	933	599
11	513	-110	516	-412	917	451	745	182	865	594	917	524
12	461	-110	500	-397	1,020	538	737	103	855	509	941	429
13	472	-100	684	-142	991	572	794	48	797	495	859	393
14	379	-79	860	35	992	495	888	162	864	424	846	301
15	462	-21	973	454	936	383	1,200	766	851	293	805	204
16	518	26	1,130	773	909	282	1,380	1,030	796	157	799	125
17	663	14	1,200	942	833	247	1,590	1,340	760	146	768	122
18	694	-41	1,250	970	781	193	1,680	1,430	750	89	874	339
19	724	14	1,180	852	760	171	1,690	1,390	734	24	941	564
20	734	-8.1	1,070	600	745	24	1,530	1,290	721	24	1,080	759
21	612	-64	961	416	699	13	1,370	1,160	711	-30	1,150	847
22	579	-31	829	298	702	46	1,270	972	693	24	1,150	856
23	549	2.9	743	290	677	-41	1,110	893	698	24	1,150	887
24	380	-44	761	302	723	68	1,120	701	764	35	1,340	1,020
25	407	-8.8	833	413	748	91	926	641	1,080	388	1,320	1,080
26	390	-32	1,000	560	859	292	863	528	1,320	815	1,450	1,150
27	400	-56	1,020	589	1,150	576	877	530	1,440	1,130	1,460	1,230
28	457	-43	1,250	692	1,270	892	875	337	1,510	1,260	1,770	1,360
29	500	-109	1,360	1,060	1,300	1,060	819	180	---	---	1,970	1,660
30	565	-122	1,450	1,170	1,330	1,040	800	270	---	---	1,950	1,780
31	541	-203	---	---	1,270	922	938	508	---	---	1,920	1,620
MONTH	734	-203	1,450	-412	---	---	1,690	48	1,510	-30	1,970	122

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DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX		MIN		MAX		MIN		MAX		MIN	
	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER						
1	1,750	1,560	596	-117	573	-149	1,140	291	728	-87	583	-366
2	1,940	1,530	616	-175	587	-98	1,250	758	896	127	519	-427
3	2,150	1,810	553	-189	744	72	1,450	1,020	987	477	499	-454
4	2,190	1,980	625	-177	713	152	1,520	1,230	940	502	449	-567
5	2,180	1,920	534	-172	798	286	1,410	1,150	894	433	468	-512
6	2,050	1,780	727	-184	908	464	1,210	893	842	327	507	-508
7	1,880	1,620	1,110	138	866	533	958	604	862	297	484	-535
8	1,740	1,480	1,500	933	814	415	719	345	795	160	470	-518
9	1,730	1,480	1,760	1,360	856	296	693	-30	736	58	488	-487
10	1,670	1,360	1,880	1,630	884	438	619	-116	677	-8.1	498	-421
11	1,540	1,220	1,880	1,670	845	242	603	-185	640	-115	452	-455
12	1,340	1,100	1,880	1,590	811	148	656	-285	662	-75	488	-504
13	1,190	872	1,860	1,480	808	194	525	-263	699	-114	476	-463
14	1,600	986	1,620	1,340	733	138	531	-266	616	-184	547	-391
15	1,980	1,550	1,490	1,170	714	-62	602	-338	640	-251	431	-157
16	2,140	1,880	1,340	966	694	-148	638	-338	656	-282	515	-9.0
17	2,190	1,940	1,140	621	585	-158	592	-304	611	-308	581	201
18	2,250	1,950	930	416	544	-164	591	-319	518	-266	644	291
19	2,150	1,820	885	343	560	-278	627	-315	537	-258	637	346
20	1,920	1,510	759	348	577	-299	612	-318	602	-237	621	357
21	1,530	1,170	1,030	638	627	-410	503	-364	589	-325	590	249
22	1,260	913	893	622	552	-350	557	-373	592	-304	592	135
23	997	640	871	609	567	-370	642	-154	444	-250	590	74
24	858	518	837	587	583	-466	638	14	495	-247	583	-56
25	794	329	769	524	474	-428	743	151	544	-322	521	-155
26	767	115	740	414	548	-423	762	243	563	-299	506	-134
27	708	36	715	314	576	-471	795	81	528	-255	523	-201
28	700	-63	663	240	526	-322	724	-110	522	-302	555	-270
29	627	-85	663	83	519	-309	601	-171	599	-321	540	-271
30	624	-131	604	-53	726	-159	577	-182	544	-293	483	-282
31	---	---	610	-121	---	---	563	-171	549	-305	---	---
MONTH	2,250	-131	1,880	-189	908	-471	1,520	-373	987	-325	644	-567



02108566 NORTHEAST CAPE FEAR RIVER NEAR BURGAW, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	503	-286	1,090	825	---	---	---	---	---	---	---	---
2	466	-271	1,030	649	---	---	---	---	---	---	---	---
3	489	-414	853	506	---	---	---	---	---	---	---	---
4	477	-436	813	381	---	---	---	---	---	---	---	---
5	476	-415	766	232	---	---	---	---	---	---	---	---
6	485	-306	793	48	---	---	---	---	---	---	---	---
7	1,620	-115	727	-19	---	---	---	---	---	---	---	---
8	2,830	1,610	656	-75	---	---	---	---	---	---	---	---
9	3,490	2,750	643	-54	---	---	---	---	---	---	---	---
10	4,620	3,390	647	-96	---	---	---	---	---	---	---	---
11	5,920	4,540	609	-160	---	---	---	---	---	---	---	---
12	6,740	5,730	556	-132	---	---	---	---	---	---	---	---
13	6,830	6,150	621	-187	---	---	---	---	---	---	---	---
14	6,510	5,680	588	-274	---	---	---	---	---	---	---	---
15	5,830	4,730	575	-309	---	---	---	---	---	---	---	---
16	4,830	3,750	544	-313	---	---	---	---	---	---	---	---
17	3,780	2,640	556	-291	---	---	---	---	---	---	---	---
18	2,740	1,770	529	-392	---	---	---	---	---	---	---	---
19	1,810	1,090	565	-331	---	---	---	---	---	---	---	---
20	1,180	765	582	-299	---	---	---	---	---	---	---	---
21	857	495	617	-181	---	---	---	---	---	---	---	---
22	654	325	1,000	466	---	---	---	---	---	---	---	---
23	695	266	1,320	1,000	---	---	---	---	---	---	---	---
24	681	276	1,390	1,180	---	---	---	---	---	---	---	---
25	969	492	1,440	1,240	---	---	---	---	---	---	---	---
26	1,270	888	1,390	1,110	---	---	---	---	---	---	---	---
27	1,380	1,130	1,330	1,010	---	---	---	---	---	---	---	---
28	1,450	1,210	1,180	916	---	---	---	---	---	---	---	---
29	1,450	1,190	1,080	857	---	---	---	---	---	---	---	---
30	1,420	1,160	1,010	801	---	---	---	---	---	---	---	---
31	1,310	1,030	---	---	---	---	---	---	---	---	---	---
MONTH	6,830	-436	1,440	-392	---	---	---	---	---	---	---	---

