Appendixes 1–7

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina. Data are summarized directly from the USACE report produced in 1964, and miscellaneous files and field notebooks located at the USACE Wilmington (N.C.) District Office 48

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Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.

[ft, feet; MSL, mean sea level; --, no data; In 1960–1962, USACE constructed 77 profiles (P); each had 3 or more reference markers (RM) that were 100 ft apart and perpendicular to the shore. RM-0 is closest to the ocean. The zero reference markers (RM-0) constitute the baseline. Profile 1 is located at Cape Lookout, profile 77 is located at Ocracoke Inlet. All profiles are 3,000 ft apart, except 1 and 2, and 76 and 77, which are 2,400 ft apart]

(A) Profile number	(B) Reference marker number	(C) 1961 and 1962 elevation at top of reference marker (ft)	(D) Sept.–Dec. 1961 ground elevation at reference marker (ft)	(E) June 1960 distance (ft) from reference marker to MSL (1929 datum)	(F) Sept.–Dec. 1961 distance (ft) from reference marker to MSL (1929 datum)	(G) June–July 1962 distance (ft) from reference marker to MSL (1929 datum)
1	1-0	6.83	6.10	--	240	190
	1-1	7.00	4.80	100	340	290
	1-2	5.33	4.80	200	440	390
2	2-0	8.32	7.60	275	200	130
	2-1	8.81	7.50	375	300	230
	2-2	13.20	11.60	475	400	430
3	3-0	7.54	6.90	310	200	195
	3-1	6.41	5.60	410	300	295
	3-2	5.91	4.90	510	400	395
4	4-0	7.85	7.20	260	260	265
	4-1	6.55	5.90	360	360	365
	4-2	6.09	5.10	460	460	465
5	5-0	6.94	6.30	310	220	220
	5-1	6.53	5.70	410	320	320
	5-2	6.06	5.50	510	420	420
	5-4	5.12	4.20	710	620	620
6	6-0	6.19	5.50	430	380	440
	6-1	6.03	5.30	530	480	540
	6-2	7.10	6.50	630	580	640
7	7-0	7.66	7.00	440	410	445
	7-1	7.48	6.80	540	510	545
	7-2	7.43	6.60	640	610	645
8	8-0	7.02	6.40	330	260	280
	8-1	6.55	6.00	430	360	380
	8-2	6.44	5.70	530	460	480
9	9-0	6.79	6.10	165	210	100
	9-1	7.66	6.90	265	310	200
	9-2	6.95	6.20	365	410	300
10	10-0	8.64	8.10	255	240	215
	10-1	7.77	6.90	355	340	315
	10-2	6.82	5.90	455	440	415
11	11-0	6.83	6.20	445	445	445
	11-1	6.83	6.20	545	545	555
	11-2	5.66	4.80	645	645	655

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; MSL, mean sea level; --, no data; In 1960–1962, USACE constructed 77 profiles (P); each had 3 or more reference markers (RM) that were 100 ft apart and perpendicular to the shore. RM-0 is closest to the ocean. The zero reference markers (RM-0) constitute the baseline. Profile 1 is located at Cape Lookout, profile 77 is located at Ocracoke Inlet. All profiles are 3,000 ft apart, except 1 and 2, and 76 and 77, which are 2,400 ft apart]

(A) Profile number	(B) Reference marker number	(C) 1961 and 1962 elevation at top of reference marker (ft)	(D) Sept.–Dec. 1961 ground elevation at reference marker (ft)	(E) June 1960 distance (ft) from reference marker to MSL (1929 datum)	(F) Sept.–Dec. 1961 distance (ft) from reference marker to MSL (1929 datum)	(G) June–July 1962 distance (ft) from reference marker to MSL (1929 datum)
12	12-0	7.19	6.70	390	380	380
	12-1	6.71	6.10	490	480	480
	12-2	6.70	6.00	590	580	580
13	13-0	6.71	6.20	430	380	395
	13-1	6.23	5.60	530	480	495
	13-2	6.31	5.30	630	580	595
14	14-0	6.16	5.60	490	385	415
	14-1	5.22	4.50	590	485	515
	14-2	4.69	3.90	690	585	615
15	15-0	6.16	5.60	465	420	395
	15-1	5.42	4.70	565	520	495
	15-2	4.74	4.00	665	620	595
16	16-0	7.07	6.20	465	500	400
	16-1	6.17	5.50	565	600	500
	16-2	5.90	5.30	665	700	600
17	17-0	7.27	6.60	395	345	310
	17-1	6.43	5.60	495	445	410
	17-2	6.05	6.20	595	545	510
18	18-0	7.56	6.90	375	290	270
	18-1	6.75	6.10	475	390	370
	18-2	6.46	5.70	575	490	470
19	19-0	7.35	6.70	440	335	380
	19-1	6.75	6.00	540	435	480
	19-2	6.62	5.70	640	535	580
20	20-0	8.29		365	350	290
	20-1	7.62	6.90	465	450	390
	20-2	6.77	6.20	565	550	490
21	21-0	8.28	7.80	285	280	305
	21-1	7.36	6.70	385	380	405
	21-2	6.55	5.80	485	480	605
22	22-0	8.25	7.60	345	355	305
	22-1	7.71	8.80	445	455	405
	22-2	8.38	7.80	--	555	505

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; MSL, mean sea level; --, no data; In 1960–1962, USACE constructed 77 profiles (P); each had 3 or more reference markers (RM) that were 100 ft apart and perpendicular to the shore. RM-0 is closest to the ocean. The zero reference markers (RM-0) constitute the baseline. Profile 1 is located at Cape Lookout, profile 77 is located at Ocracoke Inlet. All profiles are 3,000 ft apart, except 1 and 2, and 76 and 77, which are 2,400 ft apart]

(A) Profile number	(B) Reference marker number	(C) 1961 and 1962 elevation at top of reference marker (ft)	(D) Sept.–Dec. 1961 ground elevation at reference marker (ft)	(E) June 1960 distance (ft) from reference marker to MSL (1929 datum)	(F) Sept.–Dec. 1961 distance (ft) from reference marker to MSL (1929 datum)	(G) June–July 1962 distance (ft) from reference marker to MSL (1929 datum)
23	23-0	7.22	6.60	330	375	350
	23-1	5.88	5.60	430	475	450
	23-2	5.40	5.00	530	575	550
24	24-0	7.07	6.60	365	415	375
	24-1	6.34	5.80	465	515	475
	24-2	5.64	5.20	565	615	575
25	25-0	6.29	6	430	430	460
	25-1	5.61	4.9	530	530	560
	25-2	5.1	4.3	630	630	660
26	26-0	6.79	5.90	465	395	485
	26-1	6.02	5.50	565	495	585
	26-2	5.82	5.10	665	595	685
27	27-0	6.33	5.80	480	425	320
	27-1	5.71	4.90	580	525	420
	27-2	5.12	4.60	680	625	520
28	28-0	7.85	5.80	375	465	360
	28-1	6.94	6.30	475	565	460
	28-2	6.15	5.40	575	665	560
29	29-0	7.50	7.34	465	460	440
	29-1	6.67	5.90	565	560	540
	29-2	5.95	5.10	665	760	640
30	30-0	8.90	8.30	300	300	255
	30-1	7.79	7.10	400	400	355
	30-2	6.82	6.10	500	500	455
31	31-0	8.83	8.24	315	205	255
	31-1	7.84	7.10	415	305	355
	31-2	6.92	6.20	515	405	455
32	32-0	9.95	9.20	340	265	275
	32-1	8.75	7.90	440	365	375
	32-2	8.05	7.30	540	465	475
33	33-0	8.23	7.60	400	315	300
	33-1	6.95	6.20	500	415	400
	33-2	6.30	5.40	600	515	500
34	34-0	8.25	7.60	395	340	410
	34-1	7.24	6.50	495	440	510
	34-2	6.43	5.90	595	540	610

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; MSL, mean sea level; --, no data; In 1960–1962, USACE constructed 77 profiles (P); each had 3 or more reference markers (RM) that were 100 ft apart and perpendicular to the shore. RM-0 is closest to the ocean. The zero reference markers (RM-0) constitute the baseline. Profile 1 is located at Cape Lookout, profile 77 is located at Ocracoke Inlet. All profiles are 3,000 ft apart, except 1 and 2, and 76 and 77, which are 2,400 ft apart]

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35	35-0	8.18	--	480	445	450
	35-1	7.17	6.40	580	545	550
	35-2	6.49	5.60	680	645	650
36	36-0	8.38	7.80	420	380	380
	36-1	7.48	6.90	520	480	480
	36-2	7.04	6.30	620	580	580
37	37-0	8.15	7.20	375	390	365
	37-1	7.37	6.70	475	490	465
	37-2	6.71	5.80	575	590	565
38	38-0	8.19	7.50	370	355	380
	38-1	6.79	6.70	470	455	480
	38-2	6.36	5.90	570	555	580
39	39-0	8.16	7.60	320	270	250
	39-1	7.08	6.30	420	370	650
	39-2	6.31	5.60	520	470	450
	39-4	6.23	4.50	720	670	650
40	40-0	8.86	8.20	310	220	150
	40-1	7.78	7.00	410	320	250
	40-2	7.03	6.50	510	420	350
	40-4	6.66	4.30	710	620	550
41	41-0	8.38	7.60	270	280	185
	41-1	7.35	6.10	370	380	285
	41-2	6.32	5.60	470	480	385
	41-4	6.96	4.40	670	680	585
	41-6	4.01	4.60	870	880	785
42	42-0	7.23	6.60	320	250	235
	42-1	6.52	5.80	420	350	335
	42-2	5.66	4.90	520	450	435
	42-4	5.36	3.90	720	650	635
	42-6	4.32	4.10	920	850	835
43	43-0	6.36	5.70	390	365	220
	43-1	5.58	4.90	490	465	320
	43-2	5.00	4.20	590	565	420
44	44-0	4.23	3.70	770	600	595
	44-1	3.97	3.20	870	700	695
	44-2	3.88	3.10	970	800	795

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; MSL, mean sea level; --, no data; In 1960–1962, USACE constructed 77 profiles (P); each had 3 or more reference markers (RM) that were 100 ft apart and perpendicular to the shore. RM-0 is closest to the ocean. The zero reference markers (RM-0) constitute the baseline. Profile 1 is located at Cape Lookout, profile 77 is located at Ocracoke Inlet. All profiles are 3,000 ft apart, except 1 and 2, and 76 and 77, which are 2,400 ft apart]

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45	45-0	4.65	3.90	380	230	625
	45-1	3.86	3.20	480	330	725
	45-2	3.43	2.80	580	430	825
46	46-0	6.66	6.00	400	245	270
	46-1	5.51	4.80	500	345	370
	46-2	5.56	4.80	600	445	470
47	47-0	7.13	6.30	400	285	290
	47-1	7.86	7.30	500	385	390
	47-2	6.07	5.10	600	485	490
48	48-0	6.61	5.90	375	390	220
	48-1	6.95	6.10	475	490	320
	48-2	6.32	5.40	575	590	420
49	49-0	--	5.90	240	130	200
	49-1	5.72	5.00	340	230	300
	49-2	4.79	4.10	440	430	400
	49-4	4.81	3.00	640	630	600
50	50-0	5.64	4.80	280	355	240
	50-1	4.81	4.20	380	455	340
	50-2	4.45	3.80	480	555	440
51	51-0	5.03	4.20	520	440	400
	51-1	4.50	3.60	620	540	500
	51-2	4.09	3.30	720	640	600
52	52-0	4.51	3.90	490	395	410
	52-1	4.29	3.40	590	495	510
	52-2	3.67	2.60	690	595	610
53	53-0	5.11	4.50	400	410	350
	53-1	4.45	3.70	500	510	450
	53-2	4.22	3.20	600	610	550
54	54-0	5.30	4.50	440	405	320
	54-1	4.12	3.50	540	505	420
	54-2	3.83	2.80	640	605	520
	54-4	4.37	2.20	840	805	720

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

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55	55-0	5.30	4.60	455	400	330
	55-1	4.50	4.00	555	500	430
	55-2	4.22	3.40	655	600	530
	55-4	4.09	2.30	855	800	730
	55-6	3.53	1.80	955	1,000	930
56	56-0	6.35	5.60	400	340	330
	56-1	5.72	5.00	500	440	430
	56-2	4.82	4.00	600	540	530
57	57-0	6.76	6.00	445	370	310
	57-1	5.28	4.50	545	470	410
	57-2	4.99	4.50	645	570	510
58	58-0	6.92	6.10	400	325	335
	58-1	6.08	5.30	500	425	435
	58-2	8.44	8.00	600	525	535
	58-4	5.50	4.10	800	725	735
59	59-0	5.74	5.10	425	315	395
	59-1	5.04	4.30	525	415	495
	59-2	5.03	4.00	625	515	595
60	60-0	5.08	4.40	430	440	360
	60-1	4.61	3.90	530	540	460
	60-2	4.38	3.40	630	640	560
61	61-0	5.19	4.30	460	385	405
	61-1	4.38	3.60	560	485	505
	61-2	4.44	3.50	660	585	605
62	62-0	4.51	3.45	620	445	560
	62-1	4.23	3.20	720	545	660
	62-2	3.75	2.90	820	645	760
	62-4	3.43	2.60	1,020	845	960
63	63-0	4.19	3.30	625	560	435
	63-1	4.03	3.00	725	660	534
	63-2	3.71	2.90	825	760	635
64	64-0	5.20	4.50	500	455	405
	64-1	4.76	4.10	600	555	505
	64-2	4.14	3.40	700	655	605
	64-4	4.53	2.30	900	855	805

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

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65	65-0	5.47	4.70	580	455	430
	65-1	4.76	4.20	680	555	530
	65-2	4.20	3.30	780	655	630
	65-4	4.52	2.50	980	855	830
66	66-0	4.84	3.90	700	495	450
	66-1	4.19	3.50	800	595	550
	66-2	3.81	3.10	900	695	650
	66-4	4.11	2.50	1,100	895	850
67	67-0	4.74	3.60	655	565	460
	67-1	4.39	3.50	755	665	560
	67-2	3.82	3.10	855	765	660
	67-4	3.81	1.70	1,055	965	860
68	68-0	3.86	2.80	710	660	465
	68-1	4.35	3.20	810	760	565
	68-2	4.36	3.20	910	860	665
	68-4	3.21	2.70	1,110	1,060	865
	68-6	3.00	0.60	1,320	1,260	1,065
	68-8	2.46	-1.30	1,520	1,460	1,265
69	69-0	5.60	4.60	580	425	430
	69-1	5.42	4.30	680	525	530
	69-2	4.72	3.50	780	625	630
70	70-0	6.07	4.50	500	310	335
	70-1	4.87	3.70	600	410	435
	70-2	4.45	3.30	700	510	535
	70-4	4.23	2.00	900	710	735
71	71-0	4.67	3.40	400	300	300
	71-1	5.40	4.30	500	400	400
	71-2	5.30	4.10	600	500	500
	71-4	4.78	3.10	800	700	700
	71-6	3.98	2.70	1,000	900	900
	71-8	3.63	--	1,200	1,100	1,100
72	72-0	5.77	4.60	340	185	190
	72-1	5.98	4.90	440	285	290
	72-2	5.20	4.30	540	385	390
	72-4	5.24	3.30	740	585	590
	72-6	4.55	--	940	785	790
	72-8	4.09	--	1,140	985	990

Appendix 1. Summary of the U.S. Army Corps of Engineers (USACE) data developed in the 1960, 1961, and 1962 surveys on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

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73	73-0	6.43	5.10	330	175	180
	73-1	6.08	5.10	430	275	280
	73-2	5.18	4.20	530	375	380
	73-4	3.95	2.70	730	575	580
	73-6	3.89	--	930	775	780
	73-8	3.67	--	1,130	975	980
74	74-0	6.21	5.00	400	270	220
	74-1	5.61	4.50	500	370	320
	74-2	4.90	3.70	600	470	420
	74-4	4.82	3.00	800	670	620
	74-6	4.33	--	1,000	870	820
75	75-0	5.10	3.90	555	500	480
	75-1	4.44	3.40	655	600	580
	75-2	4.05	3.20	755	700	680
76	76-0	4.38	2.90	800	745	760
	76-1	3.94	2.70	900	845	860
	76-2	3.59	2.70	1,000	945	960
77	77-0	3.50	2.30	750	820	770
	77-1	3.36	2.10	850	920	870
	77-2	3.20	2.10	950	1,020	970
76	76-0	4.38	2.90	800	745	760
	76-1	3.94	2.70	900	845	860
	76-2	3.59	2.70	1,000	945	960
77	77-0	3.50	2.30	750	820	770
	77-1	3.36	2.10	850	920	870
	77-2	3.20	2.10	950	1,020	970

Appendix 2. Summary of the U.S. Army Corps of Engineers (USACE, 1964) 1961 survey data of the shoreface bathymetry for Core Banks, Cape Lookout National Seashore, North Carolina.

[ft, feet; MSL, mean sea level; USACE, U.S. Army Corps of Engineers]

Profile number	Horizontal distance (ft) from the MSL shoreline (1929 datum) to bathymetric contours of the USACE 1961 survey				
	-6 ft	-12 ft	-18 ft	-24 ft	-30 ft
1	105	955	1,725	4,325	6,235
3	50	620	1,060	2,720	5,120
5	240	530	1,200	1,860	5,770
7	70	570	840	1,020	5,590
9	130	610	810	1,620	3,790
11	230	540	950	1,640	2,800
13	70	550	750	1,240	2,060
15	160	610	950	1,570	2,770
17	160	720	1,200	1,960	2,780
19	190	640	1,090	1,790	2,450
21	170	700	1,060	1,670	2,500
23	100	550	960	1,770	2,030
25	70	210	990	1,260	2,500
27	140	730	970	1,560	2,380
29	190	440	950	1,260	1,830
31	40	800	1,020	1,210	1,790
33	140	640	990	1,530	2,360
35	140	190	1,030	1,290	2,010
37	120	200	1,020	1,330	1,870
39	100	200	1,020	1,390	2,280
41	150	210	1,090	1,520	2,460
43	220	360	1,190	1,720	2,800
46	240	450	1,370	2,110	2,720
48	280	360	1,410	1,940	2,870
50	290	440	1,270	1,990	3,030
52	360	570	1,450	1,940	2,830
54	350	470	1,360	1,880	2,130
56	190	470	1,340	1,820	2,650
58	320	480	920	1,870	2,410
60	250	450	820	1,860	2,380
62	400	640	1,480	2,120	2,760
64	90	370	870	1,860	2,430
66	350	520	1,420	2,030	2,850
68	470	720	1,880	2,380	3,040
70	480	680	1,560	1,970	2,690
72	260	710	1,530	2,500	2,980
74	310	730	970	2,350	3,490
76	680	1,070	2,700	4,540	6,780

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
1A-0	--
1A-1	1.22
1A-2	0.79
2-0	--
2-1	--
2-2	--
3-0	--
3-1	1.01
3-2	1.14
4-0	--
4-1	--
4-2	1.02
5-0	--
5-1	--
5-2	--
5-4	--
6-0	0.49
6-1	--
6-2	0.73
7-0	2.63
7-1	0.84
7-2	1.06
8-0	0.62
8-1	0.65
8-2	0.84
9-0	--
9-1	0.56
9-2	0.82
10-0	--
10-1	--
10-2	1.18

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
11-0	--
11-1	--
11-2	--
12-0	--
12-1	1.59
12-2	2.60
13-0	--
13-1	2.07
13-2	1.80
14-0	0.36
14-1	0.95
14-2	1.58
15-0	0.10
15-1	--
15-2	1.26
16-0	0.84
16-1	1.00
16-2	1.91
17-0	0.28
17-1	--
17-2	-0.05
18-0	--
18-1	--
18-2	--
19-0	0.98
19-1	0.95
19-2	1.28
20-0	--
20-1	--
20-2	0.67

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
21-0	0.48
21-1	1.12
21-2	1.34
22-0	--
22-1	-1.12
22-2	0.71
23-0	0.55
23-1	0.64
23-2	0.92
24-0	0.60
24-1	0.70
24-2	0.77
25-0	--
25-1	--
25-2	2.28
26-0	--
26-1	--
26-2	--
27-0	--
27-1	1.27
27-2	2.00
28-0	--
28-1	--
28-2	--
29-0	--
29-1	--
29-2	--
30-0	0.67
30-1	0.95
30-2	0.92
31-0	0.92
31-1	1.20
31-2	1.08

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
32-0	0.75
32-1	1.05
32-2	1.08
33-0	1.48
33-1	1.70
33-2	1.59
34-0	0.85
34-1	1.10
34-2	1.05
35-0	--
35-1	1.03
35-2	1.12
36-0	---
36-1	1.17
36-2	1.56
37-0	0.95
37-1	2.41
37-2	1.57
38-0	0.53
38-1	0.88
38-2	1.18
39-0	--
39-1	--
39-2	1.33
39-4	--
40-0	--
40-1	0.45
40-2	2.50
40-4	--
41-0	--
41-1	--
41-2	--
41-4	--
41-6	--

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
42-0	--
42-1	--
42-2	-1.34
42-4	2.31
42-6	0.68
43-0	--
43-1	--
43-2	1.69
44-0	--
44-1	--
44-2	--
45-0	--
45-1	--
45-2	--
46-0	-0.46
46-1	0.87
46-2	0.40
47-0	-1.60
47-1	-0.29
47-2	1.63
48-0	0.61
48-1	3.87
48-2	1.58
49-0	--
49-1	--
49-2	1.35
49-4	2.63
50-0	--
50-1	0.71
50-2	0.95
51-0	1.65
51-1	1.33
51-2	1.25

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
52-0	--
52-1	--
52-2	--
53-0	1.43
53-1	0.95
53-2	1.38
54-0	--
54-1	--
54-2	--
54-4	--
55-0	--
55-1	--
55-2	--
55-4	--
55-6	--
56-0	0.23
56-1	1.38
56-2	1.48
57-0	-0.09
57-1	1.11
57-2	1.08
58-0	0.43
58-1	0.78
58-2	--
58-4	--
59-0	0.71
59-1	0.74
59-2	1.62
60-0	0.29
60-1	0.38
60-2	0.75
61-0	-0.09
61-1	--
61-2	5.01

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
62-0	--
62-1	--
62-2	--
62-4	--
63-0	0.40
63-1	1.03
63-2	0.88
64-0	--
64-1	--
64-2	0.97
64-4	1.48
65-0	--
65-1	-0.29
65-2	0.74
65-4	1.30
66-0	--
66-1	-0.56
66-2	-0.08
66-4	0.92
67-0	--
67-1	0.10
67-2	0.10
67-4	1.45
68-0	--
68-1	--
68-2	--
68-4	-0.77
68-6	3.06
68-8	--
69-0	--
69-1	--
69-2	0.47
69-4	--

Appendix 3. Summary of the 1970 survey of Godfrey and Godfrey (1976) concerning change in surface elevation relative to the reference markers recovered on 69 of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[ft, feet; G&G, Godfrey and Godfrey; --, no data]

Reference marker number	Change in surface elevation between 1960 and 1970 (ft) (from G&G fig. 20)
70-0	1.57
70-1	--
70-2	7.19
70-4	1.74
71-0	--
71-1	--
71-2	--
71-4	--
71-6	--
71-8	--
72-0	--
72-1	--
72-2	--
72-4	0.40
72-6	--
72-8	--
73-0	--
73-1	--
73-2	--
73-4	0.89
73-6	--
73-8	3.34
74-0	--
74-1	--
74-2	0.41
74-4	1.00
74-6	--
75-0	0.61
75-1	1.07
75-2	1.05
76-0	1.48
76-1	1.44
76-2	1.71
77-0	1.33
77-1	1.36
77-2	1.20

Appendix 4. Summary of the 1971 Godfrey and Godfrey (1976) shoreline change survey data for 39 selected profiles of the 77 U.S. Army Corps of Engineers profiles established on Core Banks, Cape Lookout National Seashore, North Carolina.

[ft, feet; ft/yr, feet per year; USACE, U.S. Army Corps of Engineers; G&G, Godfrey and Godfrey]

USACE profile number	G&G 1962–1971 net shoreline change (ft)	G&G 1962–1971 rate of shoreline change (ft/yr)
1	328	36
3	-43	-5
5	144	16
7	10	1
9	194	22
10	10	1
13	39	4
15	20	2
19	26	3
21	-62	-7
22	26	3
25	-39	-4
27	118	13
29	-20	-2
31	16	2
33	7	1
35	-98	-11
37	-82	-9
39	89	10
40	115	13
42	154	17
43	236	26
47	79	9
48	131	15
50	95	11
51	98	11
53	131	15
56	85	9
57	49	5
59	85	9
61	148	16
63	184	20
65	180	20
66	203	23
69	197	22
71	453	50
73	322	36
75	62	7
77	492	55

Appendix 5. Latitude and longitude for the recovered U.S. Army Corps of Engineers (1964) reference markers and that were resurveyed in 2001 by East Carolina University for the present study on Core Banks, Cape Lookout National Seashore, North Carolina.

[1-0 represents profile P1, and reference marker RM-0; 2-2 represents profile P2, and reference marker RM-2]

Reference markers recovered in 2001		
Reference marker	Latitude north decimal degrees	Longitude west decimal degrees
1-0	34.902950	-76.250433
2-2	34.597683	-76.533583
3-2	34.605600	-76.530533
4-1	34.613050	-76.526217
4-2	34.613150	-76.526567
5-2	34.620733	-76.522583
5-4	34.621000	-76.523150
6-0	34.627800	-76.517383
6-1	34.627950	-76.517700
6-2	34.628067	-76.517983
7-0	34.635117	-76.512783
7-1	34.635233	-76.513050
7-2	34.635383	-76.513367
8-1	34.642567	-76.508467
8-2	34.642700	-76.508767
9-1	34.649867	-76.503867
9-2	34.650000	-76.504150
10-1	34.657200	-76.499233
10-2	34.657317	-76.499500
11-0	34.664383	-76.494317
11-1	34.664533	-76.494567
11-2	34.664683	-76.494850
12-0	34.671183	-76.488667
12-1	34.671333	-76.488933
12-2	34.671533	-76.489233
13-0	34.678000	-76.483033
13-1	34.678200	-76.483233
13-2	34.678300	-76.483583

Appendix 5. Latitude and longitude for the recovered U.S. Army Corps of Engineers (1964) reference markers and that were resurveyed in 2001 by East Carolina University for the present study on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[1-0 represents profile P1, and reference marker RM-0; 2-2 represents profile P2, and reference marker RM-2]

Reference markers recovered in 2001		
Reference marker	Latitude north decimal degrees	Longitude west decimal degrees
14-0	34.684783	-76.477400
14-1	34.684950	-76.477683
14-2	34.685117	-76.477983
15-0	34.691600	-76.471750
15-1	34.691767	-76.472067
15-2	34.691900	-76.472333
16-0	34.698417	-76.466133
16-1	34.698550	-76.466417
16-2	34.698750	-76.466700
17-1	34.705217	-76.460567
17-2	34.705350	-76.460767
18-2	34.711983	-76.454833
19-1	34.718450	-76.448650
19-2	34.718617	-76.448917
21-1	34.731717	-76.436783
21-2	34.731900	-76.437067
22-2	34.738517	-76.431167
23-2	34.745167	-76.425217
24-2	34.751800	-76.419283
25-2	34.758500	-76.413433
27-1	34.771533	-76.401233
27-2	34.771717	-76.401500
28-1	34.778183	-76.395283
28-2	34.778400	-76.395550
29-0	34.784483	-76.388383
29-1	34.784833	-76.389317
29-2	34.785017	-76.389583

Appendix 5. Latitude and longitude for the recovered U.S. Army Corps of Engineers (1964) reference markers and that were resurveyed in 2001 by East Carolina University for the present study on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[1-0 represents profile P1, and reference marker RM-0; 2-2 represents profile P2, and reference marker RM-2]

Reference markers recovered in 2001		
Reference marker	Latitude north decimal degrees	Longitude west decimal degrees
30-1	34.791000	-76.382717
30-2	34.791200	-76.382967
31-1	34.797183	-76.376083
31-2	34.797400	-76.376367
32-1	34.803383	-76.369467
32-2	34.803533	-76.369733
33-1	34.809550	-76.362867
33-2	34.809717	-76.363100
34-2	34.815900	-76.356483
42-4	34.864917	-76.302950
42-6	34.865267	-76.303433
43-0	34.870133	-76.295117
46-1	34.886467	-76.272767
47-1	34.891767	-76.265167
47-2	34.892000	-76.265350
49-1	34.902767	-76.250217
49-2	34.902967	-76.250450
49-4	34.903350	-76.250900
50-2	34.908817	-76.243367
51-1	34.914300	-76.235867
51-2	34.914533	-76.236133
52-1	34.920333	-76.229017
52-2	34.920533	-76.229267
53-0	34.925950	-76.221717
53-1	34.926183	-76.221983
53-2	34.926350	-76.222217

Appendix 5. Latitude and longitude for the recovered U.S. Army Corps of Engineers (1964) reference markers and that were resurveyed in 2001 by East Carolina University for the present study on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[1-0 represents profile P1, and reference marker RM-0; 2-2 represents profile P2, and reference marker RM-2]

Reference markers recovered in 2001		
Reference marker	Latitude north decimal degrees	Longitude west decimal degrees
54-1	34.932033	-76.214917
54-2	34.932200	-76.215167
54-4	34.932617	-76.215633
55-2	34.938083	-76.208133
55-4	34.938450	-76.208600
55-6	34.938883	-76.209067
56-1	34.943717	-76.200817
56-2	34.943917	-76.201050
58-0	34.955200	-76.186467
58-1	34.955400	-76.186717
58-4	34.955983	-76.187417
59-0	34.961033	-76.179400
59-1	34.961250	-76.179650
59-2	34.961450	-76.179883
60-0	34.966667	-76.172083
60-1	34.966867	-76.172317
60-2	34.967067	-76.172550
61-0	34.972283	-76.164767
61-1	34.972500	-76.165000
61-2	34.972683	-76.165217
62-0	34.978700	-76.158350
63-0	34.983533	-76.150083
63-1	34.983817	-76.150367
63-2	34.983933	-76.150583
64-0	34.989183	-76.142767
64-1	34.989367	-76.143017
64-2	34.989567	-76.143233
64-4	34.989967	-76.143717

Appendix 5. Latitude and longitude for the recovered U.S. Army Corps of Engineers (1964) reference markers and that were resurveyed in 2001 by East Carolina University for the present study on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[1-0 represents profile P1, and reference marker RM-0; 2-2 represents profile P2, and reference marker RM-2]

Reference markers recovered in 2001		
Reference marker	**Latitude north decimal degrees**	**Longitude west decimal degrees**
65-1	34.994983	-76.135700
65-2	34.995200	-76.135917
65-4	34.995583	-76.136383
66-1	35.000583	-76.128367
66-2	35.000800	-76.128600
66-4	35.001183	-76.129050
68-4	35.012450	-76.114367
69-1	35.017150	-76.105933
69-2	35.017300	-76.106117
70-4	35.022933	-76.098800
71-4	35.028183	-76.091017
71-6	35.028583	-76.091467
71-8	35.028983	-76.091967
72-0	35.034233	-76.084133
73-4	35.038600	-76.075500
73-6	35.039000	-76.075950
73-8	35.039450	-76.076367
74-4	35.043800	-76.067767
74-6	35.044250	-76.068200

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
1-0	NL	--	--	--	--
1-1	NL	--	--	--	--
1-2	NL	--	--	--	--
2-0	NL	--	--	--	--
2-1	NL	--	--	--	--
2-2	292	183	4.5	17.7	6.10
3-0	NL	--	--	--	--
3-1	NL	--	--	--	--
3-2	NL	--	--	--	--
4-0	NL	--	--	--	--
4-1	155	205	--	--	--
4-2	255	205	--	--	--
5-0	NL	--	--	--	--
5-1	NL	--	--	--	--
5-2	210	300	4.6	10.7	5.16
5-4	410	300	3.5	8.6	4.42
6-0	343	87	3.8	10.0	4.49
6-1	443	87	2.9	8.9	3.63
6-2	543	87	1.3	8.4	1.90
7-0	305	135	3.1	10.8	3.76
7-1	405	135	3.4	10.9	4.08
7-2	505	135	2	9.4	2.83
8-0	NL	--	--	--	--
8-1	351	79	4.8	11.4	5.35
8-2	451	79	3.5	9.9	4.24
9-0	NL	--	--	--	--
9-1	242	23	3.6	11.3	4.36
9-2	342	23	3.1	10.1	3.85
10-0	NL	--	--	--	--
10-1	214	141	3.9	11.7	4.77
10-2	314	141	3.1	9.9	4.02

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
11-0	390	55	4.7	11.5	5.33
11-1	490	55	4	10.8	4.63
11-2	590	55	2.8	8.5	3.66
12-0	352	38	4.6	11.8	5.09
12-1	452	38	3.2	9.9	3.81
12-2	552	38	3	9.7	3.70
13-0	394	36	2.2	8.9	2.71
13-1	494	36	2	8.2	2.63
13-2	594	36	2	8.3	3.01
14-0	420	70	3.1	9.3	3.66
14-1	520	70	2.5	7.7	3.22
14-2	620	70	1.2	5.9	1.99
15-0	420	45	4.5	10.7	5.06
15-1	520	45	4	9.4	4.72
15-2	620	45	3.6	8.3	4.34
16-0	380	85	3.7	10.8	4.57
16-1	480	85	2.2	8.4	2.87
16-2	580	85	2	7.9	2.60
17-0	NL	--	--	--	--
17-1	355	140	2.9	9.3	3.73
17-2	455	140	2.5	8.6	2.35
18-0	NL	--	--	--	--
18-1	NL	--	--	--	--
18-2	200	375	3.2	9.7	3.96
19-0	NL	--	--	--	--
19-1	414	126	1.6	8.4	2.35
19-2	514	126	1	7.6	1.92
20-0	NL	--	--	--	--
20-1	NL	--	--	--	--
20-2	NL	--	--	--	--
21-0	NL	--	--	--	--
21-1	270	115	3.3	10.7	3.96
21-2	370	115	2.4	9.0	3.15

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
22-0	NL	--	--	--	--
22-1	355	90	2.8	10.5	1.71
22-2	NL	--	--	--	--
23-0	NL	--	--	--	--
23-1	NL	--	--	--	--
23-2	290	240	3.2	8.6	3.60
24-0	NL	--	--	--	--
24-1	NL	--	--	--	--
24-2	300	265	1.6	7.2	2.04
25-0	NL	--	--	--	--
25-1	NL	--	--	--	--
25-2	420	210	2.1	7.2	2.90
26-0	NL	--	--	--	--
26-1	NL	--	--	--	--
26-2	NL	--	--	--	--
27-0	NL	--	--	--	--
27-1	450	130	1.4	7.1	2.21
27-2	550	130	2.6	7.7	3.12
28-0	NL	--	--	--	--
28-1	360	115	--	--	--
28-2	460	115	3.25	9.4	4.00
29-0	440	25	6.9	14.4	7.06
29-1	540	25	4.65	11.3	5.42
29-2	640	25	2.1	8.1	2.95
30-0	NL	--	--	--	--
30-1	310	90	2.82	10.6	3.51
30-2	410	90	3.35	10.2	4.07
31-0	NL	--	--	--	--
31-1	290	125	3.86	11.7	4.60
31-2	390	125	5.65	12.6	6.37
32-0	NL	--	--	--	--
32-1	330	110	2.5	11.3	3.35
32-2	430	110	2.24	10.3	2.99

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
33-0	NL	--	--	--	--
33-1	200	300	3.6	10.6	4.35
33-2	300	300	2.2	8.5	3.10
34-0	NL	--	--	--	--
34-1	NL	--	--	--	--
34-2	NL	--	--	--	--
35-0	NL	--	--	--	--
35-1	NL	--	--	--	--
35-2	NL	--	--	--	--
36-0	NL	--	--	--	--
36-1	NL	--	--	--	--
36-2	NL	--	--	--	--
37-0	NL	--	--	--	--
37-1	NL	--	--	--	--
37-2	NL	--	--	--	--
38-0	NL	--	--	--	--
38-1	NL	--	--	--	--
38-2	NL	--	--	--	--
39-0	NL	--	--	--	--
39-1	NL	--	--	--	--
39-2	NL	--	--	--	--
39-4	NL	--	--	--	--
40-0	NL	--	--	--	--
40-1	NL	--	--	--	--
40-2	NL	--	--	--	--
40-4	NL	--	--	--	--
41-0	NL	--	--	--	--
41-1	NL	--	--	--	--
41-2	NL	--	--	--	--
41-4	NL	--	--	--	--
41-6	NL	--	--	--	--

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
42-0	NL	--	--	--	--
42-1	NL	--	--	--	--
42-2	NL	--	--	--	--
42-4	200	520	2.9	8.3	4.36
42-6	400	520	0.8	5.1	1.02
43-0	210	180	4.49	10.9	5.15
43-1	NL	--	--	--	--
43-2	NL	--	--	--	--
44-0	NL	--	--	--	--
44-1	NL	--	--	--	--
44-2	NL	--	--	--	--
45-0	NL	--	--	--	--
45-1	NL	--	--	--	--
45-2	NL	--	--	--	--
46-0	NL	--	--	--	--
46-1	204	296	3.4	8.9	4.11
46-2	NL	--	--	--	--
47-0	NL	--	--	--	--
47-1	180	320	4.2	12.1	4.76
47-2	280	320	1.45	7.5	2.42
48-0	NL	--	--	--	--
48-1	NL	--	--	--	--
48-2	NL	--	--	--	--
49-0	NL	--	--	--	--
49-1	190	150	1.5	7.2	2.22
49-2	290	150	0.9	5.7	1.59
49-4	490	150	--	--	--
50-0	NL	--	--	--	--
50-1	NL	--	--	--	--
50-2	355	125	0.5	5.0	1.15
51-0	NL	--	--	--	--
51-1	253	367	0.6	5.1	1.50
51-2	353	367	0.4	4.5	1.19

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
52-0	NL	--	--	--	--
52-1	335	255	0.4	4.7	1.29
52-2	435	255	1.2	4.9	2.27
53-0	300	100	4.2	9.3	4.81
53-1	400	100	3.4	7.9	4.15
53-2	500	100	3.2	7.4	4.22
54-0	NL	--	--	--	--
54-1	263	277	3.4	7.5	4.02
54-2	363	277	3.2	7.0	4.23
54-4	NL	277	--	--	--
55-0	NL	--	--	--	--
55-1	NL	--	--	--	--
55-2	255	400	2.8	7.0	3.62
55-4	455	400	0.4	4.5	2.19
55-6	NL	--	--	--	--
56-0	NL	--	--	--	--
56-1	233	267	1.9	7.6	2.62
56-2	333	267	3.5	8.3	4.32
57-0	NL	--	--	--	--
57-1	NL	--	--	--	--
57-2	NL	--	--	--	--
58-0	NL	--	--	--	--
58-1	340	160	4.2	10.3	4.98
58-2	NL	--	--	--	--
58-4	640	160	0.7	6.2	2.10
59-0	360	65	4.4	10.1	5.04
59-1	460	65	3.8	8.8	4.54
59-2	NL	--	--	--	--
60-0	360	70	3.9	9.0	4.58
60-1	460	70	4.2	8.8	4.91
60-2	560	70	2.9	7.3	3.88
61-0	430	30	4.1	9.3	4.99
61-1	530	30	3.4	7.8	4.18
61-2	NL	--	--	--	--

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
62-0	NL	--	--	--	--
62-1	495	225	--	--	--
62-2	NL	--	--	--	--
62-4	NL	--	--	--	--
63-0	422	203	3.5	7.7	4.39
63-1	NL	--	--	--	--
63-2	NL	--	--	--	--
64-0	NL	--	--	--	--
64-1	421	179	2	6.8	2.66
64-2	NL	--	--	--	--
64-4	NL	--	--	--	--
65-0	NL	--	--	--	--
65-1	390	290.0	3.5	8.3	4.06
65-2	NL	--	--	--	--
65-4	NL	--	--	--	--
66-0	NL	--	--	--	--
66-1	451	349	4.5	8.7	5.19
66-2	551	349	3.2	7.0	3.91
66-4	751	349	2.6	6.7	4.21
67-0	NL	--	--	--	--
67-1	NL	--	--	--	--
67-2	NL	--	--	--	--
67-4	NL	--	--	--	--
68-0	NL	--	--	--	--
68-1	NL	--	--	--	--
68-2	NL	--	--	--	--
68-4	458	652	2.2	5.4	2.71
68-6	NL	--	--	--	--
68-8	NL	--	--	--	--
69-0	NL	--	--	--	--
69-1	352	328	5.1	10.5	6.22
69-2	452	328	0	4.7	1.22

Appendix 6. Summary of the East Carolina University survey data developed for 57 of the 77 U.S. Army Corps of Engineers profiles located in the 2001 survey on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; RM, reference marker; ft, feet; MSL, mean sea level; NL, not located; --, no data. Columns A through G are located in appendix 1]

(H) USACE reference marker	(I) 2001 distance measured (ft) from located RM-X to MSL (1929 datum)	(J) Erosion (ft) from 1960 through 2001 (columns E–I)	(K) 2001 ground elevation (ft) above or below top of USACE reference marker	(L) 2001 ground elevation (ft) above MSL (1929 datum) (columns C+K)	(M) Change in surface elevation between 1961 and 2001 (ft above MSL 1929 datum) (columns L–D)
70-0	NL	--	--	--	--
70-1	NL	--	--	--	--
70-2	NL	--	--	--	--
70-4	621	279	2.9	7.1	5.13
71-0	NL	--	--	--	--
71-1	NL	--	--	--	--
71-2	NL	--	--	--	--
71-4	32	768	4.6	9.4	6.28
71-6	232	768	1.8	5.8	3.08
71-8	432	768	0.8	4.4	4.43
72-0	NL	--	--	--	--
72-1	NL	--	--	--	--
72-2	NL	--	--	--	--
72-4	118	622.0	0.7	5.9	2.64
72-6	NL	--	--	--	--
72-8	NL	--	--	--	--
73-0	NL	--	--	--	--
73-1	NL	--	--	--	--
73-2	NL	--	--	--	--
73-4	NL	--	--	--	--
73-6	304	626.0	1.8	5.7	5.69
73-8	504	626.0	0	3.7	3.67
74-0	NL	--	--	--	--
74-1	NL	--	--	--	--
74-2	NL	--	--	--	--
74-4	194	606	0	4.8	1.82
74-6	394	606	1.1	5.4	5.43
75-0	NL	--	--	--	--
75-1	NL	--	--	--	--
75-2	NL	--	--	--	--
76-0	NL	--	--	--	--
76-1	NL	--	--	--	--
76-2	NL	--	--	--	--
77-0	NL	--	--	--	--
77-1	NL	--	--	--	--
77-2	NL	--	--	--	--

Appendix 7. Summary of the North Carolina Division of Coastal Management (NCDCM) data for the average annual shoreline erosion rates on Core Banks, Cape Lookout National Seashore, North Carolina.

[USACE, U.S. Army Corps of Engineers; NCDCM, North Carolina Division of Coastal Management; ft/yr, feet per year; --, no data]

USACE profile number	NCDCM 1946–1998 average annual erosion rate (ft/yr)	NCDCM 1940–1992 average annual erosion rate (ft/yr)
1	-6	-7
2	-6	-8
3	-6	-8
4	-4	-5
5	-2	-5
6	-2	-2
7	-2	-2
8	-2	-2
9	-2	-2
10	-2	-2
11	-3	-2
12	-3	-2
13	-3	-2
14	-3.5	-2
15	-2	-2
16	-2	-2
17	-2	-2
18	-2	-2
19	-2	-2
20	-3	-3
21	-4	-3
22	-3	-2
23	-3	-2
24	-2.5	-2
25	-2	-2
26	-3	-2
27	-4	-2
28	-5	-4
29	-4	-2
30	-3	-3
31	-3	-3
32	-4	-2
33	-5	-2
34	-7	-4.5
35	-10.5	-4.5
36	-14	-7.5
37	-16	-11.5
38	-16.5	-14.5
39	-30	-14.5
40	-13.5	-17

Appendix 7. Summary of the North Carolina Division of Coastal Management (NCDCM) data for the average annual shoreline erosion rates on Core Banks, Cape Lookout National Seashore, North Carolina.—Continued

[USACE, U.S. Army Corps of Engineers; NCDCM, North Carolina Division of Coastal Management; ft/yr, feet per year; --, no data]

USACE profile number	NCDCM 1946–1998 average annual erosion rate (ft/yr)	NCDCM 1940–1992 average annual erosion rate (ft/yr)
41	-6.5	-12
42	-6	-8
43	-3	-4
44	-2	-4
45	-2	-2
46	-5.5	-2
47	-4	-4
48	-3	-4
49	-4	-5
50	-5	-4
51	-5	-4
52	-5	-4
53	-5	-4
54	-4	-3
55	-5	-4
56	-5.5	-4
57	-5.5	-4
58	-4	-4
59	-3	-4
60	-2	-3
61	-2	-2
62	-2	-2
63	-6	-3
64	-3	-3
65	-3	-2
66	-2	-2
67	-2	-2
68	-2	-2
69	-4	-2
70	-6	-4
71	-7	-6
72	-11	-10
73	-12	-10
74	-9.5	--
75	-6.5	--
76	-2	--
77	-2	--