

TP-00688

TP-00688

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Type of Survey ..... Shoreline  
Job No. CM-7219 ..... Map No. TP-00688  
Classification No. ..... Edition No. 1  
Field Edited Map

## LOCALITY

State ..... North Carolina  
General Locality ..... Cape Fear to Cape Lookout  
Locality ..... Atlantic Beach

1973 TO 1975

## REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00688 MAP EDITION NO. (1) MAP CLASS Final(F.E.) JOB <del>XXX</del> CM-7219	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED							
1. OFFICE Oct. 9, 1974      Compilation Sept. 26, 1974      Aerotriangulation				2. FIELD Sept. 21, 1973			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH-AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Polyconic				4. GRID(S) STATE      ZONE North Carolina			
5. SCALE 1:20,000				STATE      ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY				D. Norman		Sept. 1974	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY				Keating		Sept. 1974	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION      CHECKED BY				R.R. White		Oct., 1974	
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY				L.O. Neterer		Oct., 1974	
SCALE: <u>1:30,000</u> CHECKED BY				NA		NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				Charles Parker		Nov., 1974	
METHOD: <u>Smooth Drafted</u> CHECKED BY				F. Margiotta		Nov., 1974	
SCALE: <u>1:20,000</u> CHECKED BY				NA		NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Nov., 1974	
6. APPLICATION OF FIELD EDIT DATA BY				A.L. Shands		Feb., 1975	
7. COMPILATION SECTION REVIEW BY				J.R. Minton		May, 1975	
8. FINAL REVIEW BY				J.R. Minton		May, 1975	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				C.H. Bishop		Mar., 1976	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				NA		NA	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R.T. CATDR		AUG 1976	

NOAA FORM 76-36B  
(3-72)TP-00688  
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE HAMPTON ROADS Bogue Inlet		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE Eastern	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
				MERIDIAN 75th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 73C(C)(I)4688 - 4690	13 OCT 73	09:47	1:60,000	2.5 ft. above MLW	
** 73C(C)(I)4749 - 4751	13 OCT 73	14:19	1:60,000	±0.2 ft. of MLW	
** 73C(C)(I)4782 - 4784	15 OCT 73	11:12	1:60,000	±0.2 ft. of MHW	

## REMARKS

\*Bridge and compilation photos. (predicted tides)  
 \*\*Tide coordinated photos at MHW and MLW, based on predicted tides.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from office interpretation of the tide coordinated infrared\*photographs listed in 1. above.

\*Based on predicted tides.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The mean low water line was compiled graphically from office interpretation of the tide coordinated infrared\*photographs listed in 1. above.

\*Based on predicted tides.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH No Contempor- ary Survey	EAST TP-00689	SOUTH No Contempor- ary Survey	WEST TP-00687
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REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00688

## HISTORY OF FIELD OPERATIONS.

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Sept. 1973
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None R.D. Black Oct. 1973
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premark

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	DEY (USE) 1943		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

CSI card for DEY (USE) 1943 (east of TP-00688)

TP-00688

# HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION

☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	Jan. 1975
2. HORIZONTAL CONTROL	RECOVERED BY R. E. Kesselring	Jan. 1975
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R. E. Kesselring	Jan. 1975
	LOCATED (Field Methods) BY R. E. Kesselring	Jan. 1975
	IDENTIFIED BY NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. E. Kesselring	Jan. 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

73 C(c) 4751

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

3 Form 76-40 Nonfloating Aids or Landmarks for Charts

2 Sketches (Attached to Field Edit Report)

3 Film ozalids (TP-00516, TP-00518, TP-00520)

4 Form 76-53 CSI card for Photo Points

1 Field Edit Report

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit	Nov. 1974	Class III Manuscript Superseded	11/27/74	12/2/74
Field edit applied Compilation complete	Feb. 1975	Class I Manuscript Superseded	6/3/75	
Final Review	Mar. 1976			

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		6/4/75	Aids for Charts
2		6/4/75	Aids for Deletion
1		6/4/75	Landmark for Deletion

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 6/4/753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

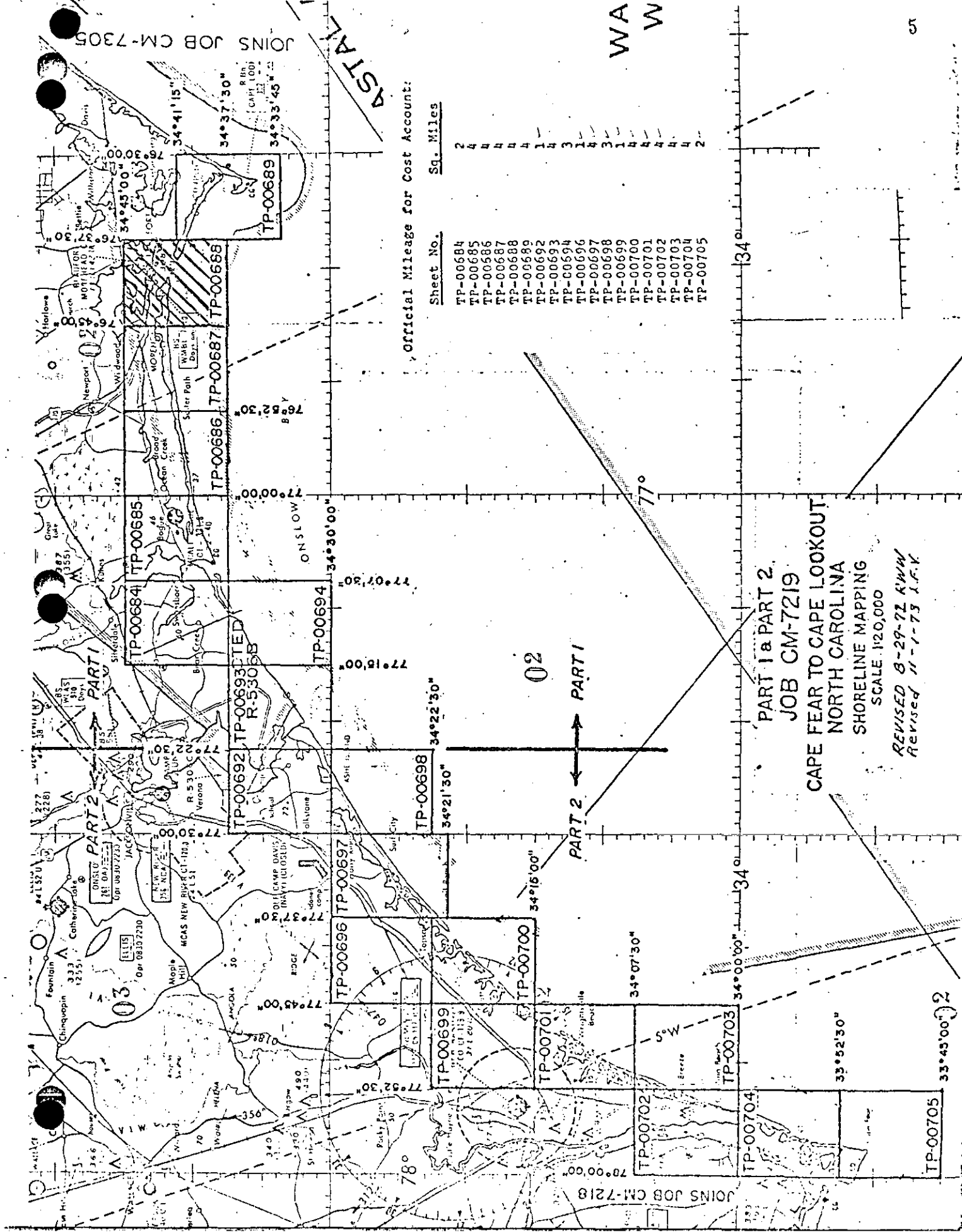
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~562~~ <sup>76-40</sup> SUBMITTED BY FIELD PARTIES.  
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



Official Mileage for Cost Account:

Sheet No. Sq. Miles

TP-00684	2
TP-00685	4
TP-00686	4
TP-00687	4
TP-00688	4
TP-00689	4
TP-00692	1
TP-00693	1
TP-00694	4
TP-00696	3
TP-00697	1
TP-00698	1
TP-00699	4
TP-00700	4
TP-00701	4
TP-00702	4
TP-00703	4
TP-00704	4
TP-00705	2

PART 1a PART 2  
JOB CM-7219

CAPE FEAR TO CAPE LOOKOUT  
NORTH CAROLINA  
SHORELINE MAPPING  
SCALE 1:20,000

REVISED 8-29-72 RWW/RV  
REVISED 11-1-73 J.C.V.

TP-00705

TP-00704

TP-00703

TP-00702

TP-00701

TP-00700

TP-00699

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TP-00697

TP-00696

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TP-00429

## SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS TP-00684 through TP-00689,

TP-00693 and TP-00694

Project CM-7219 is one of several projects that comprise the Southern Coastal Plains Expedition. It is a 1:20,000 scale shoreline mapping project which contains eighteen maps. They are not standard surveys because compilation was limited to the ocean shoreline and only a limited amount of interior detail. Shoreline of bays, inlets, canals or rivers that may be within the geographic limits of the maps were not delineated. This deviation from written instructions was brought about by verbal instructions telephoned from the Rockville Office to the Chief, Coastal Mapping Section, AMC.

The area covered is from Cape Fear to Cape Lookout, N.C. Because of different times of photography, the area was divided into two parts for bridging and compilation purposes. This summary is for Part I which extends from New River Inlet eastward to Cape Lookout.

The only field work prior to compilation was the recovery and premarking of horizontal control required for bridging.

Bridging was done in the Rockville Office in September, 1974, by analytic triangulation methods, using 1:60,000 scale color infrared photography taken in October, 1973. Points were established for determining ratios of mean high water and mean low water photography.

Compilation was done at the Atlantic Marine Center in October and November, 1974, using the color infrared photographs taken at mean high and mean low water for office interpretation of the mean high water line and mean low water line respectively.

Field edit was done in January, 1975. With the exception of Map TP-00694, edit of the maps discussed in this summary is complete.



The entire area of TP-00694 is part of Camp Lejeune Military Reservation and is used as a bombing and artillery range. The field editor was denied entrance to this prohibited area. All that he could deliver in the way of edit was the east and west limits of the prohibited area and ascertain the absence of landmarks and fixed aids to navigation. Edit of this map is incomplete and the map classification remains Class III.

The original manuscripts were stabilene sheets 7 1/2 minutes in latitude by 7 1/2 minutes in longitude.

A cronaflex positive copy and a negative of each final reviewed map were forwarded for record and registry.

Photogrammetric Plot Report  
Cape Lookout to Cape Fear  
North Carolina  
Part 1  
Job CM-7219  
September 1974

21. Area Covered - This report pertains to 8 sheets between Cape Lookout and the New River in North Carolina. The sheets are TP-00684 thru TP-00689, TP-00693 and TP-00694.
22. Method - Two strips of 1:60,000 scale color IR photography were bridged by analytic aerotriangulation methods and adjusted to ground in the North Carolina State Plane Coordinate System. Points were established for determining ratios of color infrared, MLW, and MHW support photography.
23. Adequacy of Control - The control was adequate.
24. Supplemental Control - U.S.G.S. topographic quadrangles were used to determine elevation of points for strip adjustment.
25. Photography - The photography was adequate.

Submitted by,

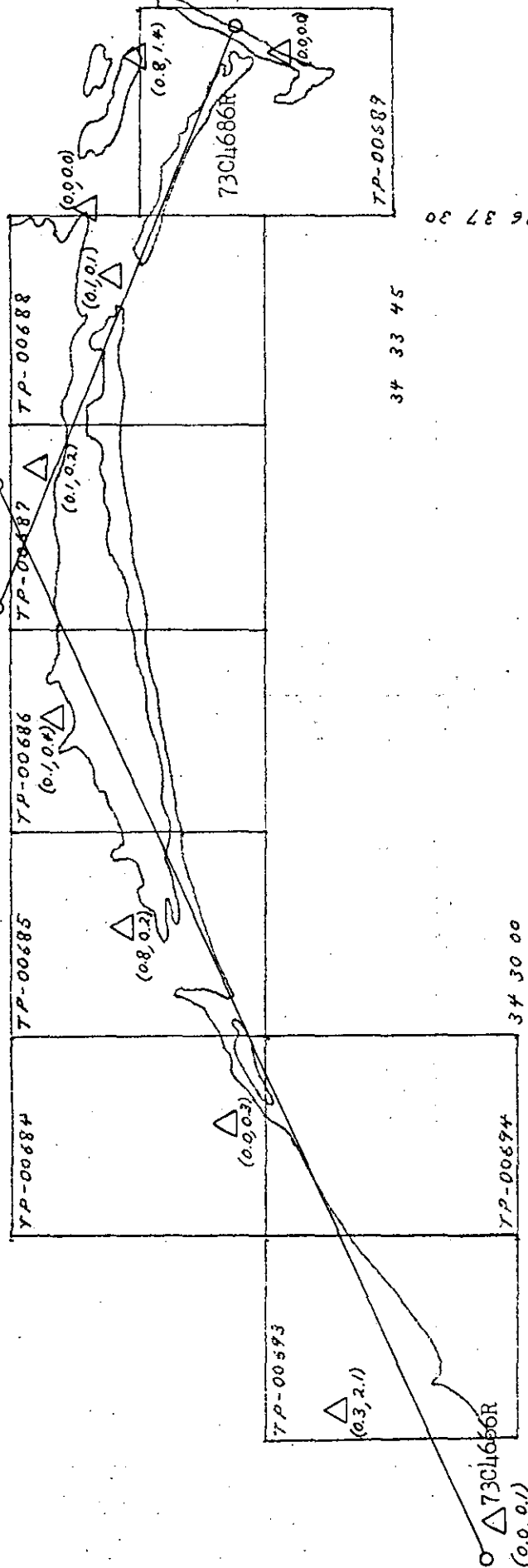
*Don O. Norman*  
Don O. Norman

Approved by:

*John D. Perrow, Jr.*

John D. Perrow, Jr.  
Chief, Aerotriangulation Section

73C4692R



AEROTRIANGULATION SKETCH  
CAPE LOOKOUT TO CAPE FEAR  
NORTH CAROLINA

PART 1

JOB CM-7219

September, 1974

01:60000 Bridging Photos color IR

AEROTRIANGULATION SKETCH  
CAPE LOOKOUT TO CAPE FEAR  
NORTH CAROLINA

PART 1

JOB CM-7219

September, 1974

□ 1:60000	color	IR	MLW
■ 1:60000	color	IR	MHW

POSITIONS OF DREDGING RANGE MARKERS  
 FOR MOREHEAD CITY CHANNEL  
 SHACKLEFORD BANKS  
 MAP TP-00688  
 JOB CM 7219

## FRONT RANGE MARKERS

## GRID COORDINATES (NORTH CAROLINA)

	X	Y
No.. 1	2,702,252.33 ✓	351,213.52 ✓
No.. 2	2,702,230.62 ✓	351,183.68 ✓
No.. 3	2,702,186.14 ✓	351,122.55 ✓
No. 4	2,702,097.08 ✓	351,000.48 ✓
No.. 5	2,702,052.52 ✓	350,939.54 ✓
No.. 6	2,702,030.32 ✓	350,909.19 ✓

## REAR RANGE MARKERS

No. 1	2,703,900.17 ✓	350,021.11 ✓
No.. 2	2,703,876.88 ✓	349,989.58 ✓
No. 3	2,703,834.33 ✓	349,927.07 ✓
No.. 4	2,703,744.60 ✓	349,808.19 ✓
No. 5	2,703,701.04 ✓	349,747.02 ✓
No. 6	2,703,679.05 ✓	349,716.15 ✓

## COMPILATION REPORT

TP-00688

31. DELINEATION

This map was not delineated as a standard shoreline survey. See Summary, page 6 of this Descriptive Report.

Delineation of interior detail was by the Wild B-8 stereo-plotter using the bridging photography. The mean high and mean low water lines were compiled graphically, using tide coordinated infrared photographs. Pass points common to the three groups of photographs were dropped when the models were set for compilation of interior details.

Photography was adequate.

32. CONTROL

See the attached "Photogrammetric Plot Report," dated: September, 1974.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project.

No drainage was compiled.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereo-plotter and by office interpretation of the photographs.

The mean high and mean low water lines were delineated graphically from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Preliminary Forms 76-40, Nonfloating Aids or Landmarks for Charts, were prepared by the Compilation Office and forwarded to the Field Editor and/or the Hydrographer for verification, location, or deletion.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See the attached Form 76-36b, item #5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangle: BEAUFORT, NORTH CAROLINA, 1951 edition, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey chart: #833-SC, North Carolina, 10th edition, dated Feb. 24, 1973, scale 1:40,000. #1234, North Carolina, 12th edition, dated April 22, 1972, scale 1:80,000.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

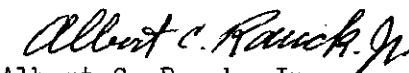
ITEMS TO BE CARRIED FORWARD

None

Submitted by:

  
Charles Parker, Carto. Aid  
November 4, 1974

Approved:

  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00688

FIELD EDIT

Field edit was adequate.



16 Oct. 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

CM-7219 (Cape Fear to Cape Lookout, N.C.)

TP-00688

Atlantic Beach

Atlantic Ocean

Beaufort Inlet

Bogue Banks

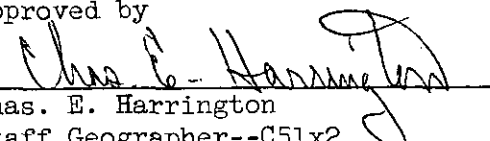
Money Island Beach

Onslow Bay

Shackleford Banks

Shackleford Point

Approved by

  
Chas. E. Harrington  
Staff Geographer--C51x2

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW TP -00688			
1. PROJECTION AND GRIDS FM	2. TITLE FM	3. MANUSCRIPT NUMBERS FM	4. MANUSCRIPT SIZE FM
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY FM	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES FM	10. PHOTOGRAMMETRIC PLOT REPORT FM	11. DETAIL POINTS FM
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE FM	13. LOW-WATER LINE FM	14. ROCKS, SHOALS, ETC. FM	15. BRIDGES FM
16. AIDS TO NAVIGATION FM	17. LANDMARKS FM	18. OTHER ALONGSHORE PHYSICAL FEATURES FM	19. OTHER ALONGSHORE CULTURAL FEATURES FM
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES FM	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES
<b>CULTURAL FEATURES</b>			
27. ROADS FM	28. BUILDINGS FM	29. RAILROADS FM	30. OTHER CULTURAL FEATURES FM
<b>BOUNDARIES</b>			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES FM	34. JUNCTIONS FM		35. LEGIBILITY OF THE MANUSCRIPT FM
36. DISCREPANCY OVERLAY FM	37. DESCRIPTIVE REPORT FM	38. FIELD INSPECTION PHOTOGRAPHS FM	39. FORMS FM
40. REVIEWER <i>F. Margiotta</i> F. Margiotta Nov. 1974		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>A.L. Shands</i> A.L. Shands Reviewed: J.R. Minton J.R. Minton		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from Field Edit Ozalid TP-00688, Film Ozalids TP-00516, 518 and 520, and field photograph 730(CI)4751.			

FIELD EDIT REPORT  
JOB CM 7219  
CAPE FEAR TO CAPE LOOKOUT, NORTH CAROLINA  
MAP TP-00688

52. Adequacy of Compilation

Compilation was adequate. The MHWL was accepted as compiled according to instructions received from the Chief, Coastal Mapping Division, dated May 28, 1974. No significant changes were noted during field edit. A small groin was overlooked and one groin was compiled as a pier in ruins. These were dealt with on the field edit ozalid with appropriate cross-references if applicable. Several piling and bulkheads were not compiled. However, the majority of the piling and all of the bulkheads were compiled on sheets TP-00518 and TP-00516 Job CM-7402, Beaufort Inlet, N.C.. Attention was drawn to these piling and bulkheads on the field edit ozalid and cross-referenced to the appropriate film ozalid. The aforementioned film ozalids are included with this report.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There are no landmarks, per se, within the compiled limits of this map. One "chimney" at latitude  $34^{\circ} 41.7'$ , longitude  $76^{\circ} 42.0'$  on chart 833 SC and chart 420 is no longer extant. It was deleted on Form 76-40. There are twelve dredging range markers on the easterly end of Shackleford Banks. While these are not suitable for landmarks they should be shown as chart features. The dredging range markers are for the Morehead City Channel. The dredging range markers were indicated on the field edit ozalid and list of their positions is included with this report.

There are only two fixed aids to navigation within the compiled limits of this map. These are the Morehead City Channel Range Lights. Both of these lights have 1962 geographic positions on them. However, as the lights were modified and/or rebuilt in late 1974 new positions were determined for them. The rear range light has been moved 1.58 feet to the northwest of the 1962 location while the front range light has been moved 22.60 feet to the northwest of the 1962 location. The new positions of the lights were entered on Form 76-40 and attention was drawn to them on the field edit ozalid. The 1962 positions were deleted on Form 76-40.

57. Rocks, Reefs, and Shoals

There are no rocks or reefs as defined, within the compiled limits of this map. The only "shoal" is a bar that lies just offshore of Bogue Banks. This bar should have been developed by the hydrographer during the 1974 hydrography.

58. Photography

Photography consisted of 1:20,000 black & white ratio prints of 1:60,000 scale photography. The matte finish field prints were partly fuzzy and made field identification difficult. The cronapague office prints were good.

59. Disposition of Data

The field edit ozalid, the matte finish ratio prints, the cronapague ratio prints, and all pertinent data were forwarded to the Director, Atlantic Marine Center.

*Richard E. Kesselring*  
Richard E. Kesselring  
Surveying Technician  
Photo Party 62

POSITIONS OF DREDGING RANGE MARKERS  
 FOR MOREHEAD CITY CHANNEL  
 SHACKLEFORD BANKS  
 MAP TP-00688  
 JOB CM 7219

## FRONT RANGE MARKERS

## GRID COORDINATES (NORTH CAROLINA)

	X	Y
No.. 1	2,702,252.33 ✓	351,213.52 ✓
No.. 2	2,702,230.62 ✓	351,183.68 ✓
No.. 3	2,702,186.14 ✓	351,122.55 ✓
No. 4	2,702,097.08 ✓	351,000.48 ✓
No.. 5	2,702,052.52 ✓	350,939.54 ✓
No.. 6	2,702,030.32 ✓	350,909.19 ✓

## REAR RANGE MARKERS

No. 1	2,703,900.17 ✓	350,021.11 ✓
No.. 2	2,703,876.88 ✓	349,989.58 ✓
No. 3	2,703,834.33 ✓	349,927.07 ✓
No.. 4	2,703,744.60 ✓	349,808.19 ✓
No. 5	2,703,701.04 ✓	349,747.02 ✓
No. 6	2,703,679.05 ✓	349,716.15 ✓

MAP TP 00683  
JOB CM 7219  
PHOTO NO. 73 C (6375)

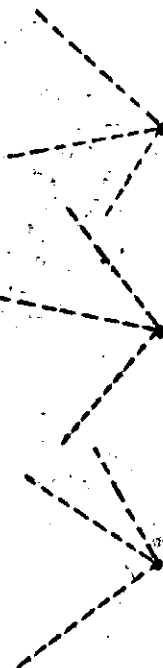
# LOCATION OF THREE PILING

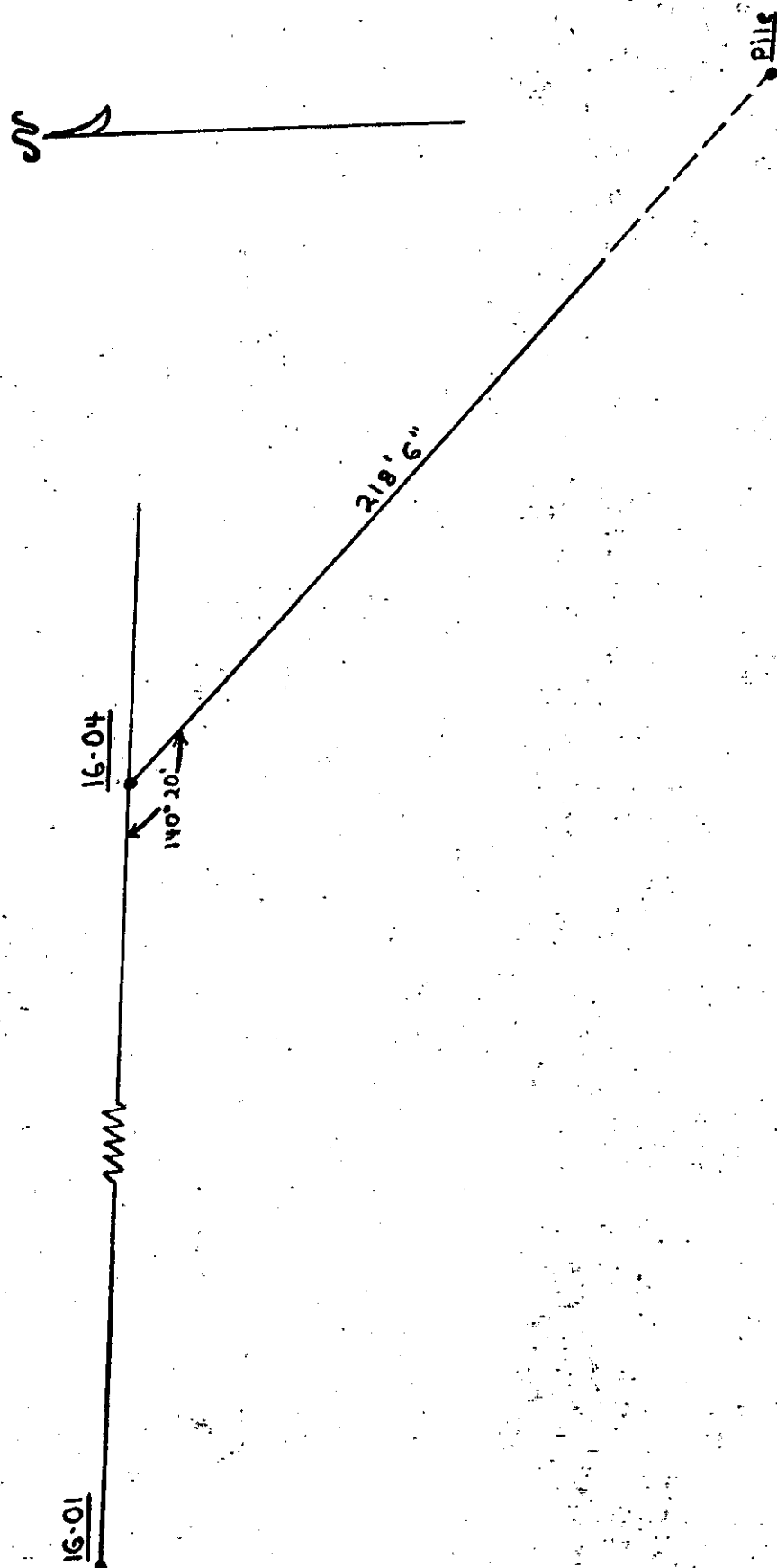
16-02 16-03 16-01

@ 16-02  
16-01 to East pile right & 36-35  
" " " " 43-35  
" " " " 52-44

@ 16-03  
16-02 to East pile left & 107-09  
" " " " 91-29  
" " " " 74-27

@ 16-01  
16-02 to East pile left & 54-57  
" " " " 45-40  
" " " " 37-44





LOCATION OF PILE

TP 00688

JOB CM 7219

PHOTOS 73CG395  
73CG393