

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. <u>00688</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final(F.E.)</u> JOB <u>CM-7219</u>	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>							
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__			
<b>I. INSTRUCTIONS DATED</b>							
1. OFFICE  Oct. 9, 1974                      Compilation Sept. 26, 1974                  Aerotriangulation				2. FIELD  Sept. 21, 1973			
<b>II. DATUMS</b>							
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			
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				D. Norman		Sept. 1974	
METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				Keating		Sept. 1974	
METHOD: <u>Coradomat</u> CHECKED BY				Keating		Sept. 1974	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				R.R. White		Oct., 1974	
COMPILATION CHECKED BY				L.O. Neterer		Oct., 1974	
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY				NA			
SCALE: <u>1:30,000</u> CHECKED BY				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				Charles Parker		Nov., 1974	
CHECKED BY				F. Margiotta		Nov., 1974	
METHOD: <u>Smooth Drafted</u> CONTOURS BY				NA			
CHECKED BY				NA			
HYDRO SUPPORT DATA BY				NA			
SCALE: <u>1:20,000</u> CHECKED BY				NA			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Nov., 1974	
BY				A.L. Shands		Feb., 1975	
6. APPLICATION OF FIELD EDIT DATA CHECKED BY				J.R. Minton		May, 1975	
BY				J.R. Minton		May, 1975	
7. COMPILATION SECTION REVIEW BY				C.H. Bishop		Mar., 1976	
8. FINAL REVIEW BY							
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R.T. CATDR		ADG 1976	

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

TP-00688

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE HAMPTON ROADS		(C) COLOR X		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES Bogue Inlet		(P) PANCHROMATIC		MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(I) INFRARED X			
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
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
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	
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)



NOAA FORM 76-36C  
(3-72)

TP-00688

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

# 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

NOAA FORM 76-36D  
(3-72)

TP-00688

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

## 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: 6/4/75
3. ☐ 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 <sup>76-40</sup> ~~557~~ 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  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

WA  
W

JOINS JOB CM-7305

ASTAL

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	3
TP-00696	1
TP-00697	4
TP-00698	3
TP-00699	1
TP-00700	4
TP-00701	4
TP-00702	4
TP-00703	4
TP-00704	4
TP-00705	2

PART 1 & PART 2  
JOB CM-7219

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

REVISED 8-29-72 RWW  
Revised 11-1-73 J.F.V

33°43'00" 2

02  
PART 1  
PART 2

34°07'30"

34°00'00"

33°52'30"

TP-00705

TP-00704

TP-00703

34°07'30"

34°16'00"

TP-00698

34°21'30"

34°22'30"

TP-00697

TP-00696

TP-00695

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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 infra-red, 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,

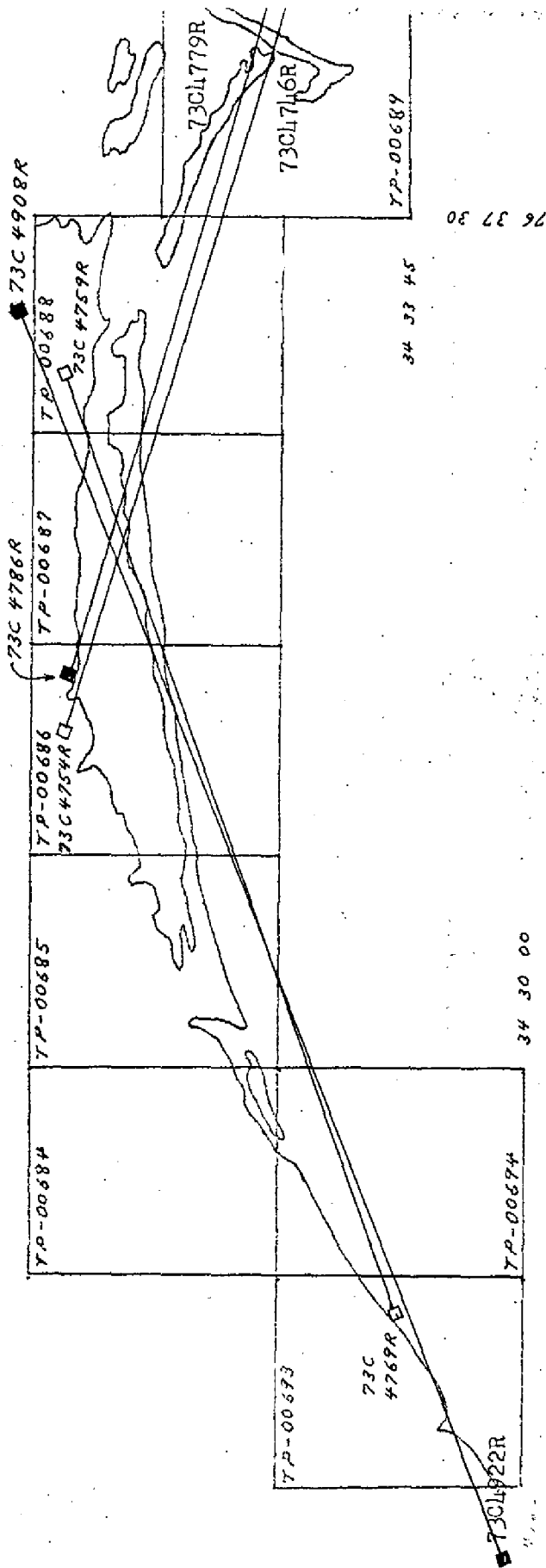
*Don O. Norman*  
Don O. Norman

Approved by:

*John D. Perrow, Jr.*

John D. Perrow, Jr.  
Chief, Aerotriangulation Section





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





## 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

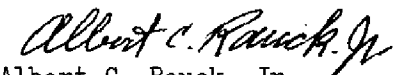
ITEMS TO BE CARRIED FORWARD

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

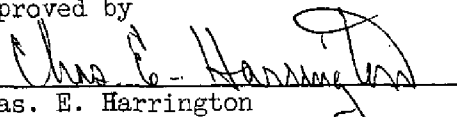
Money Island Beach

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 Feb. 1975 May, 1975		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)

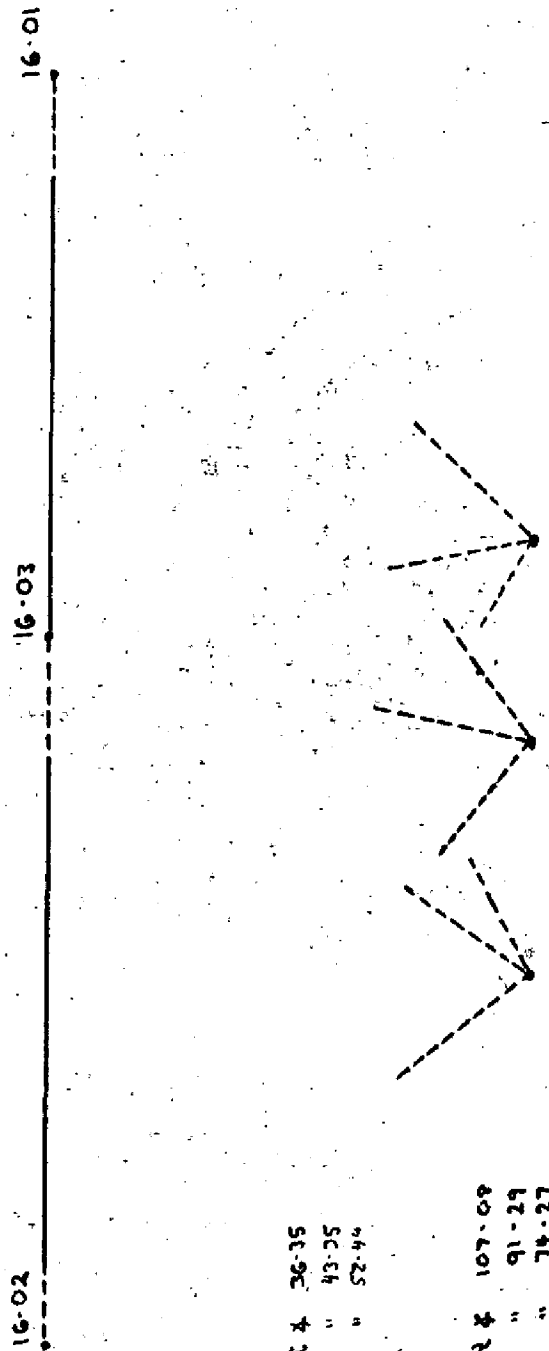
	X	Y
No.. 1	2,702,252.33 ✓	351,213.52 ✓
No.. 2	2,702,230.62 ✓	351,183.68 ✓
No.. 3	2,702,186.14 ✓	351,122.55 ✓
No. 4	2,702,097.08 ✓	351,000.48 ✓
No.. 5	2,702,052.52 ✓	350,939.54 ✓
No.. 6	2,702,030.32 ✓	350,909.19 ✓

## 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

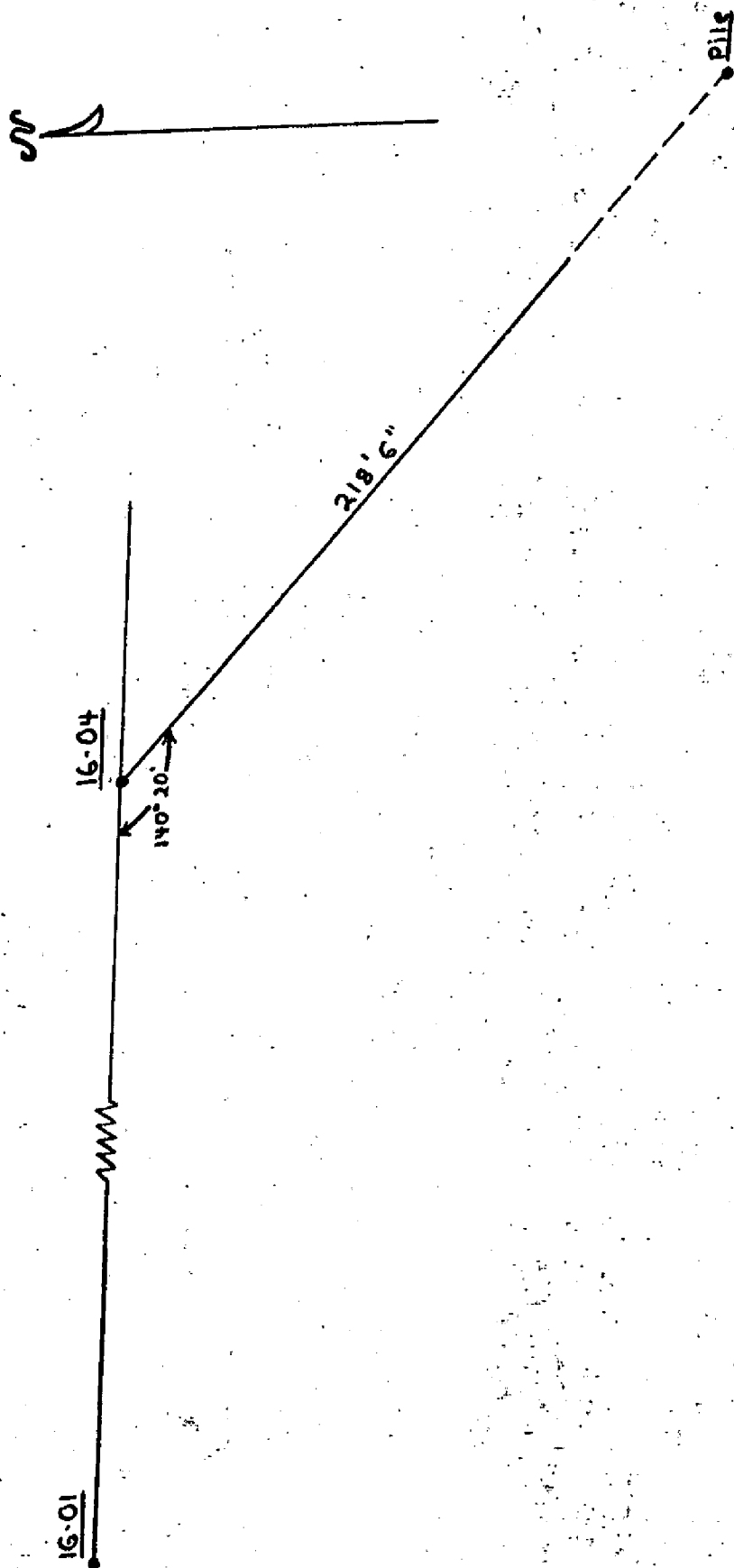
16-01 to east pile right & 36-35  
 " " center " " 43-35  
 " " west " " 52-44

@ 16-03

16-02 to east pile left & 107-09  
 " " center " " 91-29  
 " " west " " 74-27

@ 16-01

16-02 to east pile left & 54-57  
 " " center " " 45-40  
 " " west " " 37-44



LOCATION OF PILE

TP 00688  
 JOB CM 7219  
 PHOTOS 73C6395  
 73C6393



Replaces C&amp;GS Form 567.

## NONFLOATING AIDS OR CHARTS FOR CHARTS

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

## FOR CHARTS

TO BE CHARTERED	REPORTING UNIT (Field Party, Ship or
-----------------	---

Coastal Mapping Div.  
AMC - Norfolk, Va.

STATE  
North

LOCALITY  
Cape Fe

to Cape Lookout

DATE ☒ Feb. 1975

ORIGINATING ACTIVITY

☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & RE  
☐ COAST PILOT BRANCH

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM	
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98	98
99	99
100	100

N.A. 1927

13/TOWN

**METHOD AND DATE OF LOCATION**  
(See instructions on reverse side)

(See instructions on reverse side)

CHARTS  
AFFECTED

## DESCRIPTION

Record reason for deletion of landmark or aid to navigation.  
Show triangulation station names, where applicable, in parentheses.

111

"

--

11
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FIELD

TIGHT

Morehead City Channel Range Front Light

34-41

76-39

099.67	
--------	--

F-1-6-L  
Jan. 15 1961

50  
51  
52  
53  
54  
55

LIGHT

Morehead City Channel Range Rear  
Light

34-41

76-39

31.00	780
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—

3









## REVIEW REPORT TP-00688

## SHORELINE

March 16, 1976

61. GENERAL STATEMENT:

See Summary, which is page 6 of this Descriptive Report.

The Beaufort Inlet area, especially on the east side, is a very changeable area, as is evident by comparison with prior surveys.

A comparison print, showing differences noted in Par. 62, 63, and 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with copies of Survey T-8744-N/2 and T-8744-S/2, 1:10,000 scale, dated November 1950. Significant differences are shown on the comparison print in blue.

A copy of Survey T-12759, a 1:10,000 scale map compiled from 1964 photography and edited in 1967, was not available for comparison.

In the area compared, TP-00688 supersedes T-8744 and T-12759 for nautical chart construction purposes. T-8744 and T-12759 are the latest registered prior surveys of the area.

Also, a comparison was made with copies of Class I 1:5,000 scale maps TP-00516, TP-00518, TP-00520 and TP-00522, Special Project CM-7402, Beaufort Inlet, N.C., which is a contemporary survey mapped from near low water photographs taken November 7 and 12, 1973. Significant shoreline differences are shown on the comparison print in green. The mean high water line determination on these maps is better than on TP-00688 because it was contoured with the Wild B-8, using vertical control based on tide staff readings at the time of photography, which was taken approximately one month later than TP-00688.MHW photography. At the time of this review, Project CM-7402 is not registered, but will be registered in the near future.



63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle BEAUFORT, N.C., 1:24,000 scale, dated 1949 and photorevised in 1971. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Between long. 76° 37' 30" and 76° 40' 00" a comparison was made with a copy of the field sheet for AHP-05-2-74, 1:5,000 scale. No mean high water line was on the hydrographic sheet. No other significant difference was noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11541 (833-SC), 1:40,000 scale, 12th edition, dated March 1975. Significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions dated October 9, 1974, except as explained in Summary, and meets requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
16 March 1976

Approved for forwarding:

*Joseph W. Vonasek*

Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved:

*S. H. Blankinbush*  
*for A. K. Heywood*

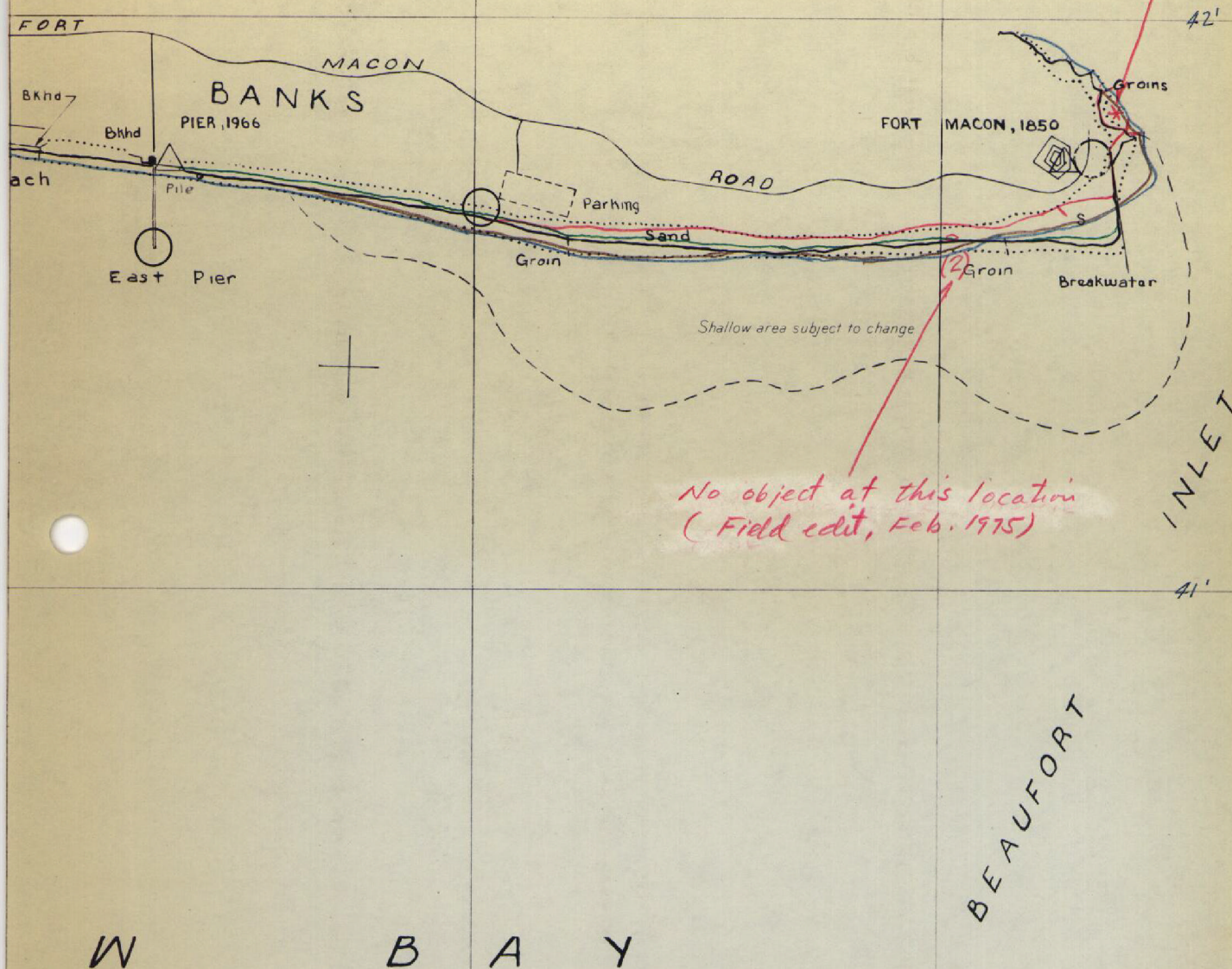
Chief, Photogrammetric Branch

*Walter J. Simmons*

Chief, Coastal Mapping Division



Field edit, Feb. 1975,  
says no rocks awash



## COMPARISON PRINT

Blue = T-8744  
 Brown = U.S.G.S.  
 Red = Chart 11541  
 Green = TP-00518 & TP-00520

TP-00688  
 1:20,000

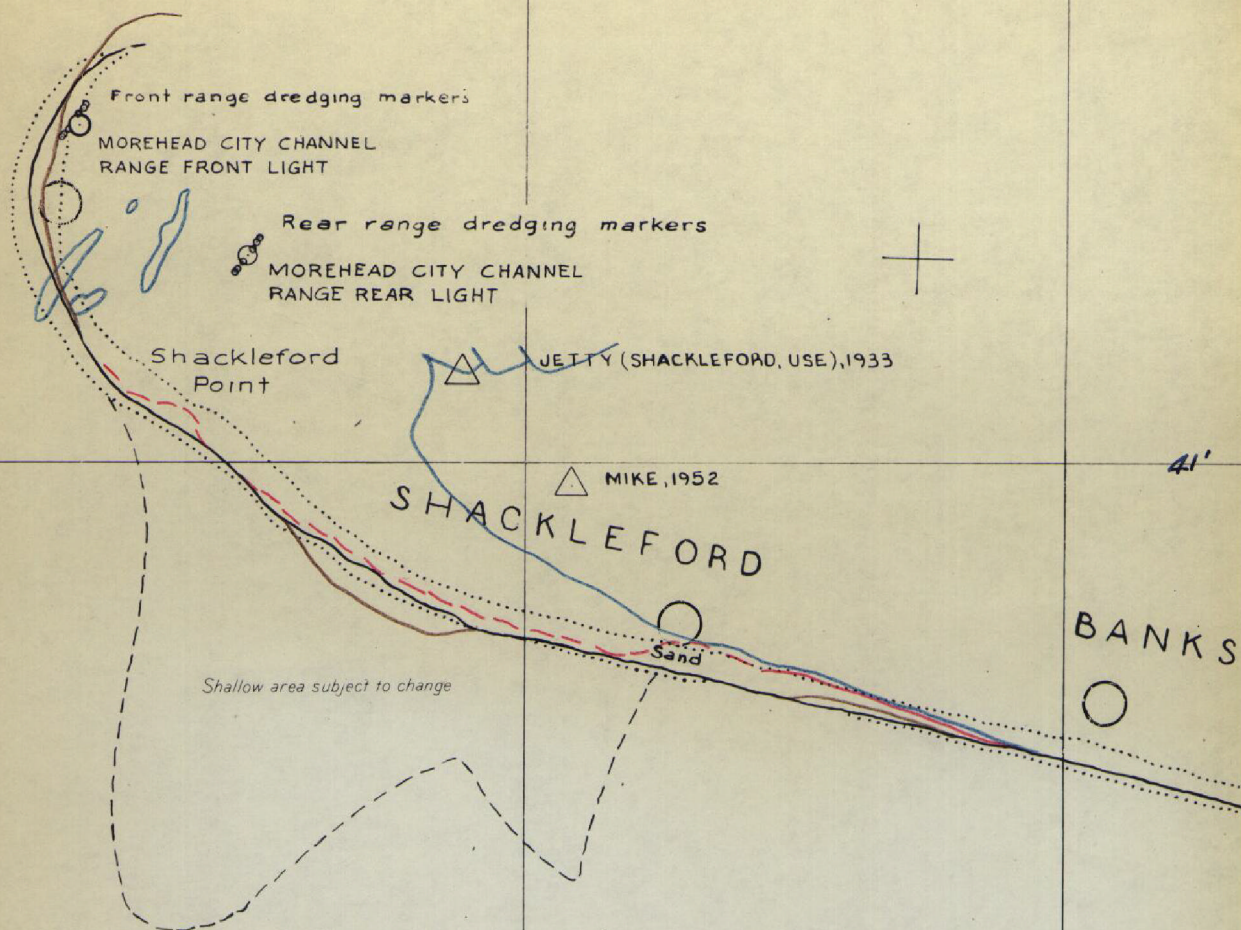
## NOTE

"The photogrammetric



27

42'



COMPARISON P RINT

Blue = T-8744  
Brown = U.S.G.S.  
Red = Chart 11541

TP-00688  
1:20,000

