

TP-00700



TP-00700

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-00700

Classification No. .... Edition No. 1

Field Edited Map

## LOCALITY

State ..... North Carolina

General Locality ..... Cape Fear to Cape Lookout

Locality ..... Rich Inlet

1972 TO 1974

## 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-00700  MAP EDITION NO. (1) MAP CLASS Final (F.E.) JOB <del>XXM</del> -CM-7219
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**DESCRIPTIVE REPORT - DATA RECORD**

PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA  OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR.	<b>LAST PRECEDING MAP EDITION</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;">           TYPE OF SURVEY  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%; vertical-align: top;">           JOB PH. _____            MAP CLASS _____            SURVEY DATES:            19__ TO 19__         </td> </tr> </table>	TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__		

I. INSTRUCTIONS DATED	
1. OFFICE	2. FIELD
Dec. 4, 1972      Aerotriangulation Apr. 4, 1973      Compilation Apr. 6, 1973      Amend. I	Sept. 15, 1972 Sept. 28, 1972 Amend. I Sept. 21, 1973

II. DATUMS	
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN	OTHER (Specify)
2. VERTICAL: <input 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 J.E. Schad METHOD: Stereoplanigraph LANDMARKS AND AIDS BY Mar 21/73		
2. CONTROL AND BRIDGE POINTS PLOTTED BY D. Phillips METHOD: Calcomp. CHECKED BY Mar 21/73		
3. STEREOSCOPIIC INSTRUMENT PLANIMETRY BY Frank Margiotta COMPILATION CHECKED BY L.O. Neterer INSTRUMENT: Wild B-8 CONTOURS BY NA SCALE: 1:20,000 CHECKED BY NA		Apr., 1973 Apr., 1973
4. MANUSCRIPT DELINEATION PLANIMETRY BY W.C. Gilbert CHECKED BY A.C. Rauck, Jr. CONTOURS BY NA CHECKED BY NA METHOD: Wild B-8 and graphic HYDRO SUPPORT DATA BY NA SCALE: 1:20,000 CHECKED BY NA		May, 1973 May, 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY A.C. Rauck, Jr. BY R.R. White		May, 1973 Jan., 1975
6. APPLICATION OF FIELD EDIT DATA CHECKED BY A. L. Shands BY A. L. Shands		Jan., 1975 Jan., 1975
7. COMPILATION SECTION REVIEW BY A. L. Shands BY C. H. Bishop		Jan, 1975 May, 1976
8. FINAL REVIEW BY C. H. Bishop		May, 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R.T. CATRK AUG 1976		

## COMPILATION SOURCES

## I. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E", RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE HAMPTON ROADS		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X	ZONE Eastern		<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES New Topsail Inlet	<input type="checkbox"/> REFERENCE STATION RECORDS		MERIDIAN 75th		<input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY					

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
* 72E(C)6707 - 6711	20 OCT 72	13:25	1:40,000	0.4 ft. above MLW
** 73C(C)(I)4963 - 4965	18 OCT 73	13:47	1:60,000	+0.2 ft. of MHW
** 73C(C)(I)4798	15 OCT 73	11:25	1:60,000	+0.2 ft. of MHW
** 73C(C)(I)6143 - 6146	11 NOV 73	14:12	1:60,000	+0.2 ft. of MLW

REMARKS  
\*Bridge and compilation photos.  
\*\*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 from office interpretation of the 1972 color photography listed under 1. above and updated graphically by use of the 1973 tide coordinated infrared photographs taken at MHW when they became available.

## 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.

## 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	EAST	SOUTH	WEST
TP-00696	TP-00697	No Contemporary Survey	TP-00699

REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00700  
HISTORY OF FIELD OPERATIONSI.  FIELD INSPECTION OPERATION  FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	Oct., 1972
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY	R.E. Kesselring None
	PRE-MARKED OR IDENTIFIED BY	R.E. Kesselring
	RECOVERED BY	None
3. VERTICAL CONTROL	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
	RECOVERED ( <i>Triangulation Stations</i> ) BY	None
4. LANDMARKS AND AIDS TO NAVIGATION	LOCATED ( <i>Field Methods</i> ) BY	None
	IDENTIFIED BY	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

2. VERTICAL CONTROL IDENTIFIED  
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72E(C)6709	HAMPSTEAD 2, 1947		

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*)

- 1 Form 152 Control Station Identification Card
- 2 Sheets Tellrometer Observations

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00700  
HISTORY OF FIELD OPERATIONS

I. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		Philip B. Walbolt	July, 1974
2. HORIZONTAL CONTROL	RECOVERED BY	Philip B. Walbolt	July, 1974
	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 ( <i>Triangulation Stations</i> ) BY	NA	
	LOCATED ( <i>Field Methods</i> ) BY	Philip B. Walbolt	July, 1974
	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	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None			
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS ( <i>Clarification of details</i> )			
None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
Data for object located by field methods listed under 8 below.			
Position furnished on Field Edit Ozalid			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
	TOPSAIL BEACH MUNICIPAL WATER TANK, 1974		
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS ( <i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i> )			
1. Field Edit Report			
1. Field Edit Ozalid			
1. Form 76-40 Landmarks for Charting			

**I. MANUSCRIPT COPIES**

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	May, 1973	Class III Manuscript Superseded	None	5/8/73
Field Edit Applied Compilation Complete	Jan., 1975	Class I Manuscript Superseded	6/3/75	
Final Review	May, 1976			

**II. LANDMARKS AND AIDS TO NAVIGATION**

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

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1	None	3/17/75	Landmark to be Charted
1	None	6/23/75	Landmark to be Charted

2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: March 17, 1975  
 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 ~~300~~ 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)

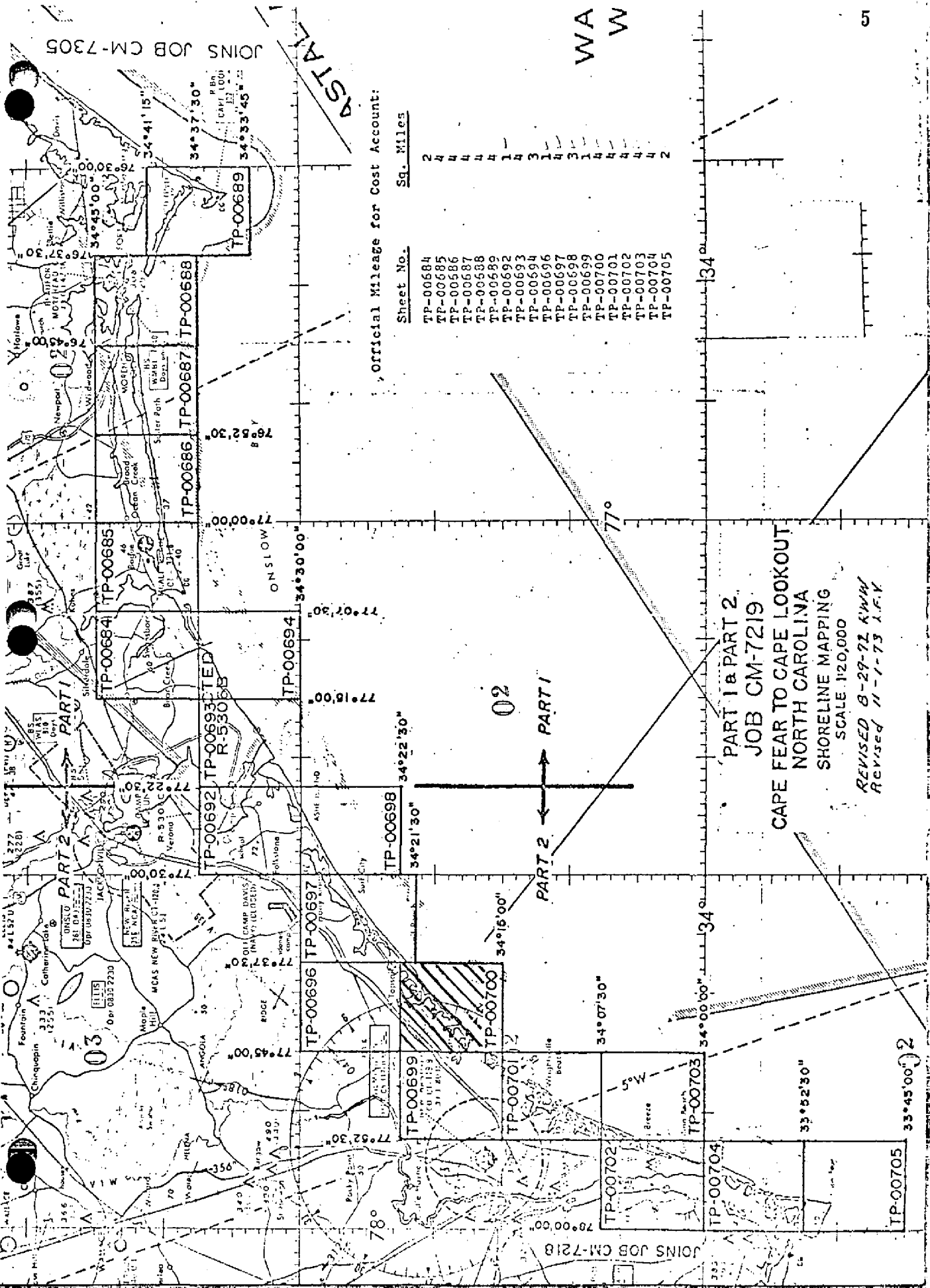
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/>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

JOINS JOB CM-7305

WA  
W

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-00690	1
TP-00691	1
TP-00692	3
TP-00693	1
TP-00694	4
TP-00695	1
TP-00696	4
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 KWW  
 REVISED 11-1-73 J.F.V

JOINS JOB CM-7218

## SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS TP-00692 and TP-00697 through TP-00705

Project CM-7219 is one of several projects that comprise the Southern Coastal Plains Expedition (SCOPE). It is a 1:20,000 scale shoreline mapping project which contains eighteen maps. Except for Map TP-00705; the maps referred to in this summary are not standard shoreline surveys because compilation was limited to the ocean shoreline only, per Instructions - OFFICE - Job CM-7219, Part II, Cape Fear to Cape Lockout, North Carolina, Shoreline Mapping, dated 4/4/73, Items 4.03 and 4.04. The entire area of TP-00705 was mapped; it was copied from a reduction of 1:10,000 scale Map TP-00683 (Job CM-7218) which covers the same area.

This summary is for Part II of the project. It covers the area between New River Inlet and Cape Fear.

Field work prior to compilation consisted of recovery and premarking horizontal control required for bridging and the obtaining of beach profiles. These profiles were not made within the time limit specified in instructions dated September 28, 1972 and were too widely spaced. Therefore, they were considered of no value and were not used as a source for mean high or mean low water lines.

Bridging was done in the Rockville Office in March 1973 using the Zeiss C-8 stereoplanigraph with 1:40,000 scale photography dated October 20, 1972. See Photogrammetric Plot Report following this summary.

Compilation was done at the Atlantic Marine Center in April and May 1973, using the 1972 bridging photography for compilation of interior details and initial compilation of the mean high water line. Later, at the time field edit was applied and the tide coordinated infrared photography (based on predicted tides) was available, the mean high water line was corrected where necessary, to agree with the photographs taken at MHW and the mean low water line was delineated graphically from the MLW photographs.

Field edit was done in May and July 1974, except for the area covered by TP-00705, which was edited in August 1973.

Final review was done at the Atlantic Marine Center in March through June 1976.

The original manuscripts were stabilene sheets  $7\frac{1}{2}$  minutes in latitude by  $7\frac{1}{2}$  minutes in longitude.

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



Photogrammetric Plot Report

Job CM-7219

Cape Fear - Cape Lookout, North Carolina

Part II

March 21, 1973

21. Area Covered

The area covered in this report extends along the North Carolina shoreline from Cape Fear to the vicinity of New River Inlet. Included in this area are 11 T-sheets: TP-00692; TP-00696 thru TP-00705; all are at 1:20,000 scale.

22. Method

Two strips of 1:40,000 color photography were bridged on the Zeiss C-8 stereoplanigraph and adjusted by the IBM computer. The two strips were used to obtain pass point positions for the models and to determine the scale ratio for strips #4, #5, and #6.

Compilation points were positioned on strip #5 to set photos 72E(c) 6756 thru 6760.

Strip #1 (72E(c) 6722 thru 6739) was adjusted on four field identified triangulation stations with five office identified stations as checks.

Strip #2 (72E(c) 6706 thru 6720) was adjusted on five triangulation stations, three tie points and three triangulation stations were used as checks. All horizontal tie points were averaged. T-sheets were ruled on North Carolina plane coordinates and plotted on the Coradomat.

23. Adequacy of Control

Horizontal control complied with project instruction and held within the National Map Accuracy Standard.

24. Supplemental Data

All vertical control needed for adjustment was taken from USGS quadrangles and are approximate mean sea level. The vertical points obtained by bridging are not necessarily true values.

25. Photography

Photography was adequate as to overlap, definition, and coverage.

Respectfully submitted

*James E. Schad*  
James E. Schad

Approved by:

*John D. Perrow, Jr.*

John D. Perrow, Jr.  
Chief, Aerotriangulation Section

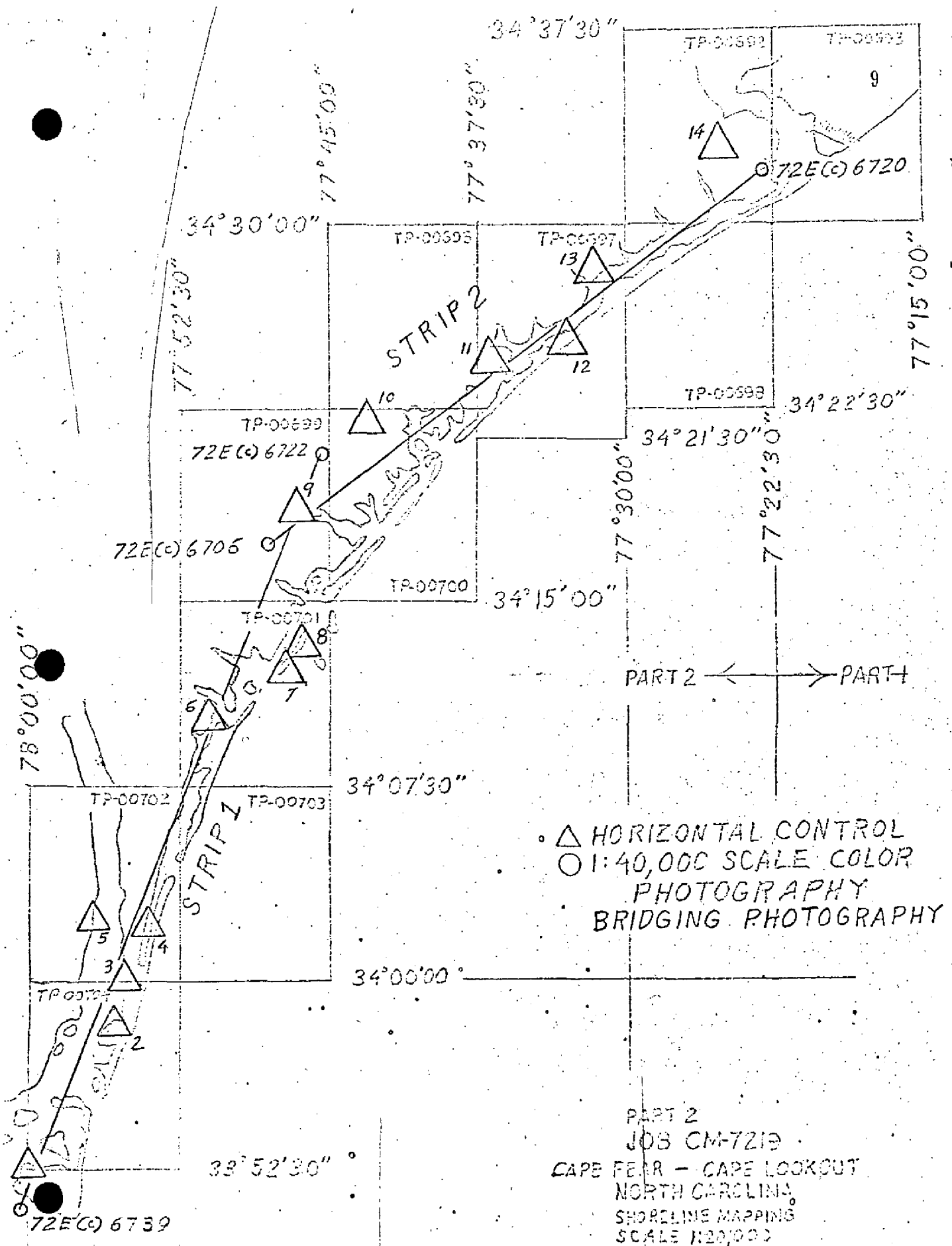
Notes to Compiler  
 Job CM-7219  
 Cape Fear - Cape Lookout, North Carolina

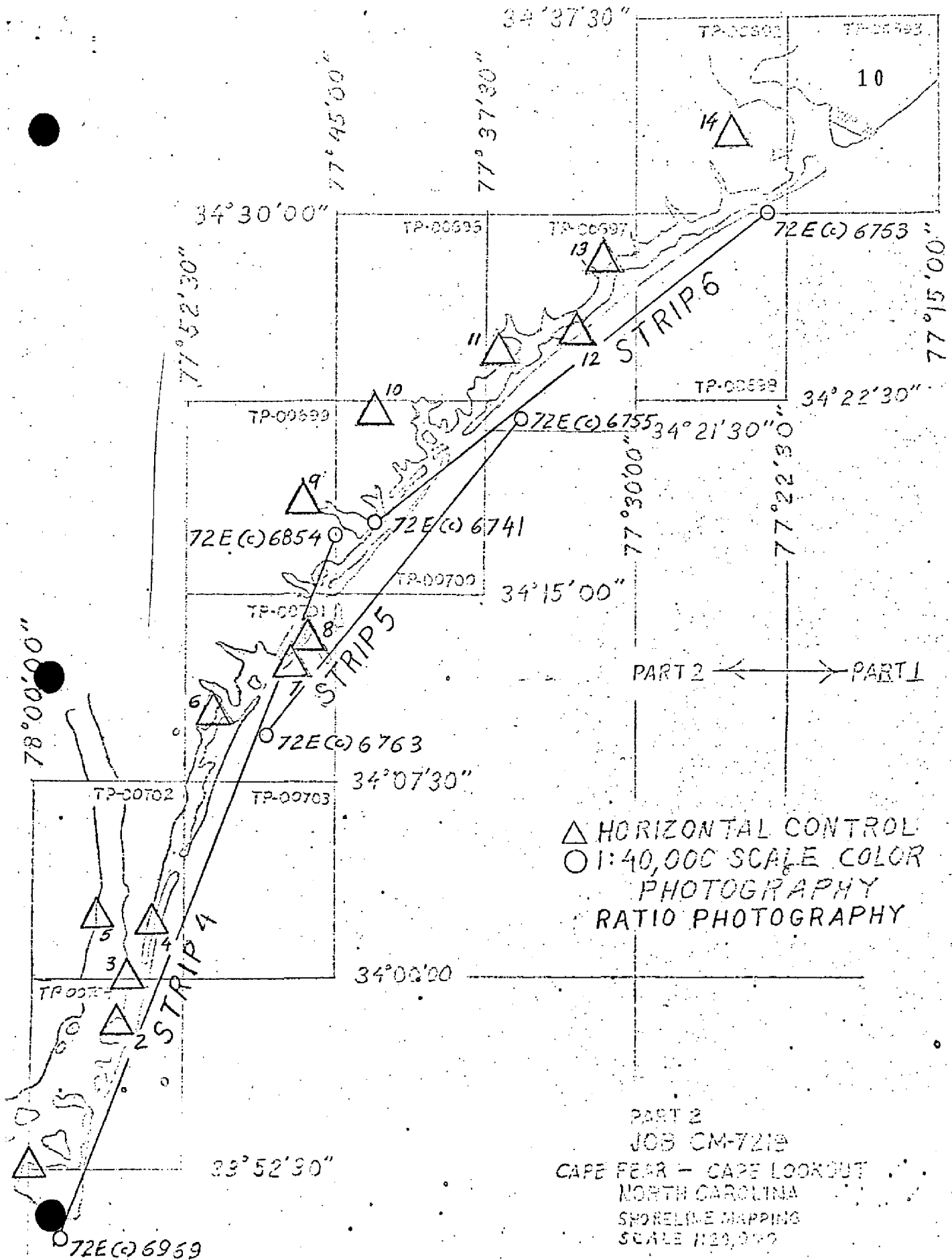
The shoreline area from the vicinity of Mason Inlet to New Topsoil Inlet (TP-00700) must be compiled from strip #5 (72E(c)6756 thru 6760) either by setting the models or by graphic methods. In order to control this area, "900" series points were determined from bridging strip #2.

Beach cross section points, which were field identified on black/white contact print, have been horizontally positioned from bridging strips #1 and #2 and are identified with "400" series numbers.

Strip # 1	Photo number	Field number
	25401	01-02 (68E 3232)
	25400	03-03 (68E 3232)
	26400	01-01 (68E 3419)
	31400	02-01 (68E 3428)
Strip #2	10400	00-01 (68E 3244)
	14400	97-01 (68E 3249)
	16400	97-02 (68E 3252)
	18400	98-02 (68E 3270)
	19400	98-01 (68E 3272)

*Rather of strips 4, 5, and 6 were ordered*  
*JPS*





△ HORIZONTAL CONTROL  
 ○ 1:40,000 SCALE COLOR  
 PHOTOGRAPHY  
 RATIO PHOTOGRAPHY

PART 2  
 JOB CM-7218  
 CAPE FEAR - CAPE LOOKOUT  
 NORTH CAROLINA  
 SHORELINE MAPPING  
 SCALE 1:25,000

JOB CM-7219

KEY TO HORIZONTAL CONTROL  
USE FOR BRIDGING.

1. BALD HEAD LIGHTHOUSE, 1851
2. FEDERAL POINT, 1913
3. KURE BEACH W.T., 1913
4. CAROLINA BEACH MUN. W.T., 1968
5. RUINS, 1917
6. MASON, 1918
7. WRIGHTSVILLE BEACH SOUTH MUN. W.T., 1962
8. WRIGHTSVILLE BEACH NORTH MUN. W.T., 1962
9. KIRKLAND, 1932
10. HAMPSTEAD 2, 1947
11. ATKINSON, 1914
12. SEARS LANDING, TANK 1943
13. BETHEA, 1932
14. GRANT, 1932

**DESCRIPTIVE REPORT CONTROL RECORD**

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

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY		REMARKS	
TP-00700		CM-7219		N.A. 1927		Coastal Mapping Section, AMC		Forward Back	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS		
			STATE	ZONE	$\phi$ LATITUDE	$\lambda$ LONGITUDE			
GREEN, 1962	Vol. III P. 2864		North Carolina	X=	$\phi$ 34 18 08.85547		272.9	(1575.9)	
				Y=	$\lambda$ 77 42 28.74251		735.0	(799.3)	
TOPSAIL 2, 1964	Vol. III P. 2867			X=	$\phi$ 34 21 15.89165		489.7	(1359.1)	
				Y=	$\lambda$ 77 38 38.57801		985.9	(547.4)	
TOWER ONE, 1947	Bridge Form 164			X=	$\phi$		6,317.01'	(3682.99)	
				Y=	$\lambda$ 2,412,638.82'		2,638.82'	(7,361.18)	
HAMPSTEAD 2, 1947	Vol. II P. 605			X=	$\phi$ 34 22 14.174		436.7	(1412.1)	
				Y=	$\lambda$ 77 42 21.463		548.4	(984.7)	
				X=	$\phi$				
				Y=	$\lambda$				
				X=	$\phi$				
				Y=	$\lambda$				
				X=	$\phi$				
				Y=	$\lambda$				
				X=	$\phi$				
				Y=	$\lambda$				
				X=	$\phi$				
				Y=	$\lambda$				
COMPUTED BY A. C. Rauck, Jr.		DATE 3/29/73	COMPUTATION CHECKED BY W. C. Gilbert				DATE 4/27/73		
LISTED BY		DATE	LISTING CHECKED BY				DATE		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				DATE		

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

## COMPILATION REPORT

TP-00700

31. DELINEATION

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

Delineation was by the Wild B-8 stereoplotter, using the 1:40,000 scale color photography taken on October 20, 1972 (Bridging photography). Only the outer coast was mapped, per Instructions - OFFICE - dated April 4, 1973, Par. 4.03.

32. CONTROL

See Photogrammetric Plot Report, dated: March 21, 1973

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line and alongshore details were delineated 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 Form 76-36b, Item #5, of the Descriptive Report.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey quadrangle: TOPSAIL, NORTH CAROLINA, scale 1:62,500, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey chart: 833-SC, 10th edition, dated March 1973, scale 1:40,000, and Chart 1235, 9th ed., dated May 1, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

*Albert C. Rauck, Jr. For*  
W.C. Gilbert  
Cartographic Aid, 5/1/73

Approved:

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



ADDENDUM TO THE COMPILATION REPORT

TP-00700

FIELD EDIT

Field edit of this map is complete.

At the time of field edit application, the mean high water line compiled from the 1972 color photographs was verified by comparison with the tide coordinated\*high water photography listed on Form 76-36b 1, and corrected if necessary. The mean low water line was delineated graphically, using the tide coordinated\*low water photography listed on Form 76-36b 1.

\*Based on predicted tides.

*Charles H. Bishop*

Charles H. Bishop  
Final Reviewer  
25 May 1976

16 Oct. 1975

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

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

TP-00700

Atlantic Ocean

Figure Eight Island

New Topsail Inlet

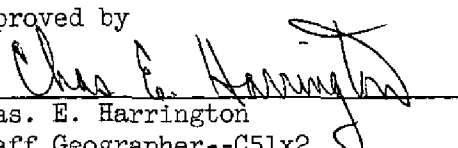
Old Topsail Inlet

Onslow Bay

Rich Inlet

Topsail Beach

Approved by

  
Chas. E. Harrington  
Staff Geographer--C51x2

NOAA FORM 75-74 (2-74)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
<b>PHOTOGRAMMETRIC OFFICE REVIEW</b>			
TP-00700			
1. PROJECTION AND GRIDS ACR	2. TITLE ACR	3. MANUSCRIPT NUMBERS ACR	4. MANUSCRIPT SIZE ACR
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA	7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS ACR	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT ACR	11. DETAIL POINTS ACR
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE ACR	13. LOW-WATER LINE ACR	14. ROCKS, SHOALS, ETC. ACR	15. BRIDGES ACR
16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES ACR	19. OTHER ALONGSHORE CULTURAL FEATURES ACR
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES ACR		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 ACR
<b>CULTURAL FEATURES</b>			
27. ROADS ACR	28. BUILDINGS ACR	29. RAILROADS ACR	30. OTHER CULTURAL FEATURES ACR
<b>BOUNDARIES</b>			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES ACR		34. JUNCTIONS ACR	35. LEGIBILITY OF THE MANUSCRIPT ACR
36. DISCREPANCY OVERLAY ACR	37. DESCRIPTIVE REPORT ACR	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS ACR
40. REVIEWER <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr. May, 1973		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 Richard R. White Reviewer: A.L. Shands		Jan., 1975 Jan., 1975	SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.
43. REMARKS <i>A.L. Shands</i>			
Field edit applied from: Field edit ozalid TP-00700			

FIELD EDIT FOR SHEET TP-00700  
RICH INLET; Job CM-7219, part 2

51. METHODS

This manuscript was inspected by truck, by walking the beach, and by boat. As per Paragraph 2 of Letter C344 dated 28 May 1974, it was determined that no extensive changes have occurred. However, the note "Subject to Frequent Change" should definitely be retained at each inlet.

52. ACCURACY OF COMPILATION

The accuracy is good.

54. RECOMMENDATIONS

One Nautical Landmark is submitted, along with NOAA Form 76-10. Its position is from a traverse to locate hydro stations. The geographic name "Figure Eight Island" should be shown as indicated in the southwest portion of the manuscript.

*Philip B. Walbolt*

Philip B. Walbolt  
Chief, Photo Party 63



TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	
OBJECTS INSPECTED FROM SEARCHED		E. Cassey, Sr. Kingston Power Squadron, District 27 Cooperative Charting Program	
POSITIONS DETERMINED AND/OR VERIFIED		A.C. Rauck, Jr. Chief, Coastal Mapping, AMC, assisting in cooperative charting program R. Minton	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input checked="" type="checkbox"/> OTHER (Specify) Cooperative Charting FIELD ACTIVITY REPRESENTATIVE <input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)			
<b>OFFICE</b> <b>1. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75		<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982	
<b>FIELD</b> <b>1. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75		<b>11. TRIANGULATION STATION RECOVERED</b> When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 <b>111. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.			



RESPONSIBLE PERSONNEL		ORIGINATOR
TYPE OF ACTION	NAME	
OBJECTS INSPECTED FROM SEAWARD	R.S.Tibbetts and P.B.Walbolt	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	R.S.Tibbetts and P.B.Walbolt	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	R.R.White	OFFICE ACTIVITY REPRESENTATIVE
		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

**INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'**  
*(Consult Photogrammetric Instructions No. 64.)*

**OFFICE**

**I. OFFICE IDENTIFIED AND LOCATED OBJECTS**

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042  
8-12-75

**FIELD**

**I. NEW POSITION DETERMINED OR VERIFIED**

Enter the applicable data by symbols as follows:

- F - Field
- L - Located
- V - Visually
- 1 - Triangulation
- 2 - Traverse
- 3 - Intersection
- 4 - Resection
- 5 - Field identified
- 6 - Theodolite
- 7 - Planetable
- 8 - Sextant

A. Field positions\* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L  
8-12-75

\*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

**FIELD (Cont'd)**

B. Photogrammetric field positions\*\* require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V  
8-12-75  
74L(C)2982

**II. TRIANGULATION STATION RECOVERED**

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.  
8-12-75

**III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH**

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.  
8-12-75

\*\*PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.



## REVIEW REPORT TP-00700

## SHORELINE

May 26, 1976

61. GENERAL STATEMENT:

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

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

There are no registered topographic surveys of the area later than 1933. No comparison was made.

In the area mapped, TP-00700 supersedes prior registered surveys for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with Army Map Service Quadrangle TOPSAIL, NORTH CAROLINA, 1:62,500 scale, AMS 3, 1948. Significant differences are shown on the comparison print in brown.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11541, 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 Instructions - OFFICE - Job CM-7219, Part II, Cape Fear to Cape Lockout, North Carolina, Shoreline Mapping, and meets requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
May 26, 1976

Approved for forwarding:

*Joseph W. Vonasek*

Joseph W. Vonasek  
Chief, Photogrammetric Branch, AMC

Approved: *A. L. Blankenship*

*A. K. Heywood*

Chief, Photogrammetric Branch

*Walter S. Simmons*

Chief, Coastal Mapping Division

Y=200,000 FT.

17'

Figure Eight Island

Road

16'

Y=190,000 FT.

Road

COMPARISON P RINT

Red = Chart 1154

Brown = AMS Quad

34°15'00"

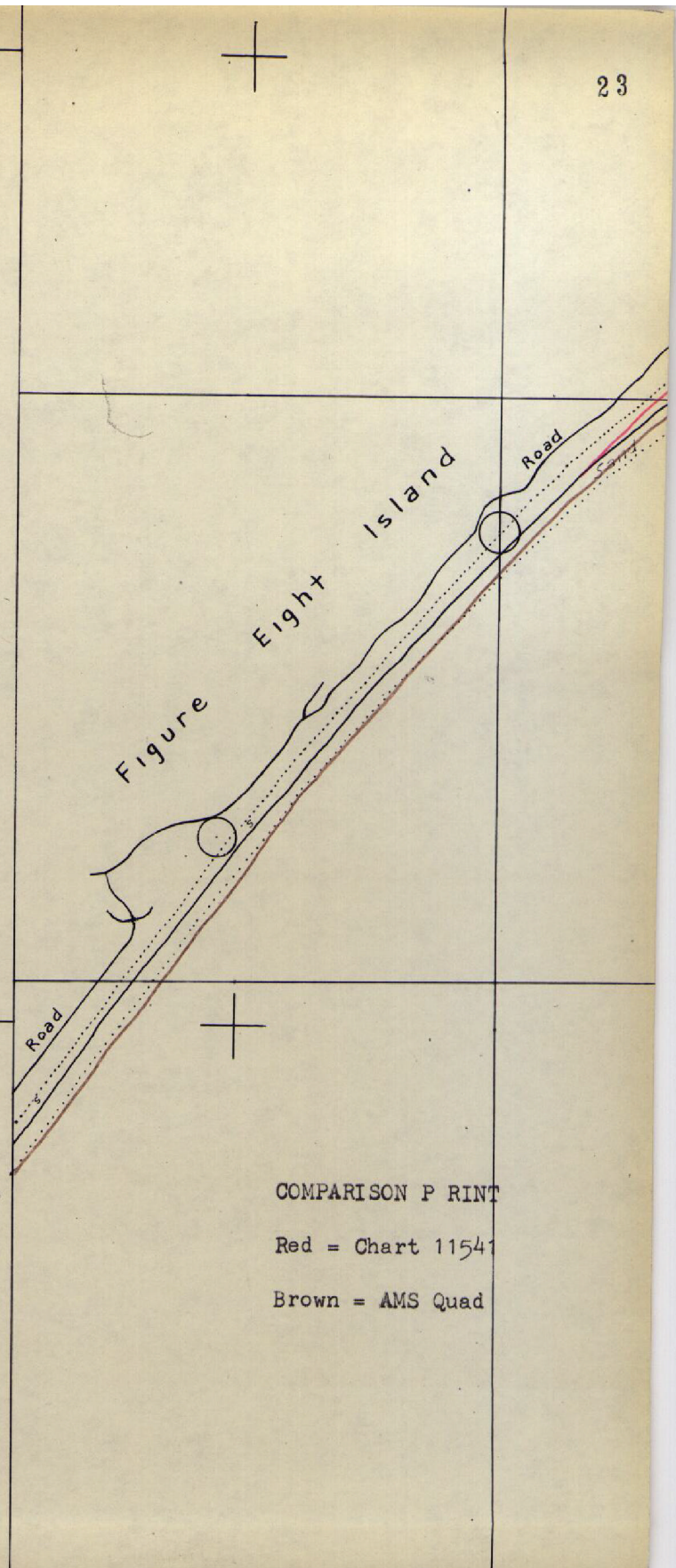
77°45'00"

44'

X=2,380,000 FT.

TP-00700

1:20,000



43'

75°42'

24



19'

COMPARISON PRINT

Red = Chart 11541  
Brown = AMS Quad

GREEN 1962



34°18'

Rich Inlet

sand

*Wreck not visible on photos;  
not found by field editor*

0

Area subject to  
frequent change

Breakers

0  
N  
S  
L

Breakers

17'

TP-00700  
1:20,000

77°40'

25

TOPSAIL Z 1964

MOTEL

21'

New Topsail Inlet

Area subject to frequent change

Wreck not visible on photos; not found by field editor

Sand

Breakers

34°20'

Topsail let

Area subject to frequent change

Breakers

COMPARISON PRINT

Red = Chart 11541  
Brown = AMS Quad

B  
A  
Y

TP-00700  
1:20,000

FT.  
38' 77°37'30"  
34°22'30"  
Y=230,000 FT.

TOPSAIL BEACH  
WATER TANK,  
HT=152 (156) FT.  
WER ONE 1947

MUNICIPAL  
1974

22'  
*No charted pier  
at this position*

Sand  
Beach

COMPARISON PRINT  
Red = Chart 11541  
Brown = AMS Quad

CUPOLA

21'  
Y=220,000 FT.

TP-00700  
1:20,000

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP 00700

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
833 <sup>54</sup> <del>90</del>	6/79	R. Hickey	Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No. 17
1235	4/78	M. Sutherland	Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No. 21
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
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			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.
			Full Part <del>Before</del> After Verification <del>Review</del> Inspection Signed Via Drawing No.

ORIGINATOR