

TP-00684 ✓

TP-00684

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-00684

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State North Carolina

General Locality Cape Fear to Cape Lookout

Locality Bear Beach

19 73 TO 19 75

REGISTRY IN ARCHIVES

DATE

TP-00684

COMPILATION SOURCES

I. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE HAMPTON ROADS, VA Bogue Inlet, NC		(C) COLOR X	(P) PANCHROMATIC	ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input type="checkbox"/> PREDICTED TIDES		(I) INFRARED X		MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
<input type="checkbox"/> REFERENCE STATION RECORDS					
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 73 C(C)(I)4671 - 4672	13 OCT 73	09:24	1:60,000	2.6 ft. above MLW	
** 73 C(C)(I)4766 - 4767	13 OCT 73	14:35	1:60,000	±0.2 ft. of MLW	
** 73 C(C)(I)4917 - 4918	18 OCT 73	10:13	1:60,000	±0.2 ft. of MHW	

REMARKS
*Bridge and compilation photos (Predicted tides)
**Tide coordinated photos, 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 Survey	EAST TP-00685	SOUTH TP-00694	WEST No Survey

REMARKS

1. FIELD INSPECTION OPERATION FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Sept. 1973
2. HORIZONTAL CONTROL	RECOVERED BY	R. Tibbetts
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	R. Black
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	None
	LOCATED (Field Methods) 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	NA
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
730(C)(I) 4671	SAUNDERS, 1914		

3. PHOTO NUMBERS (Clarification of details)

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)

- 1 CSI Card (Form 76-53)
- 1 Form 266 Observation of Sun for Azimuth and Time
- 1 Form 269c Computation of Altitude and Time for Azimuth

TP-00684

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Robert S. Tibbetts	Jan. 1975
2. HORIZONTAL CONTROL	RECOVERED BY	NA
	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	NA
	LOCATED (Field Methods) BY	NA
	IDENTIFIED BY	NA
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	NA
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
	None		

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 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)

1 Field Edit Ozalid
1 Field Edit Report

TP-00684
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	Oct. 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 None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
 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 567 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

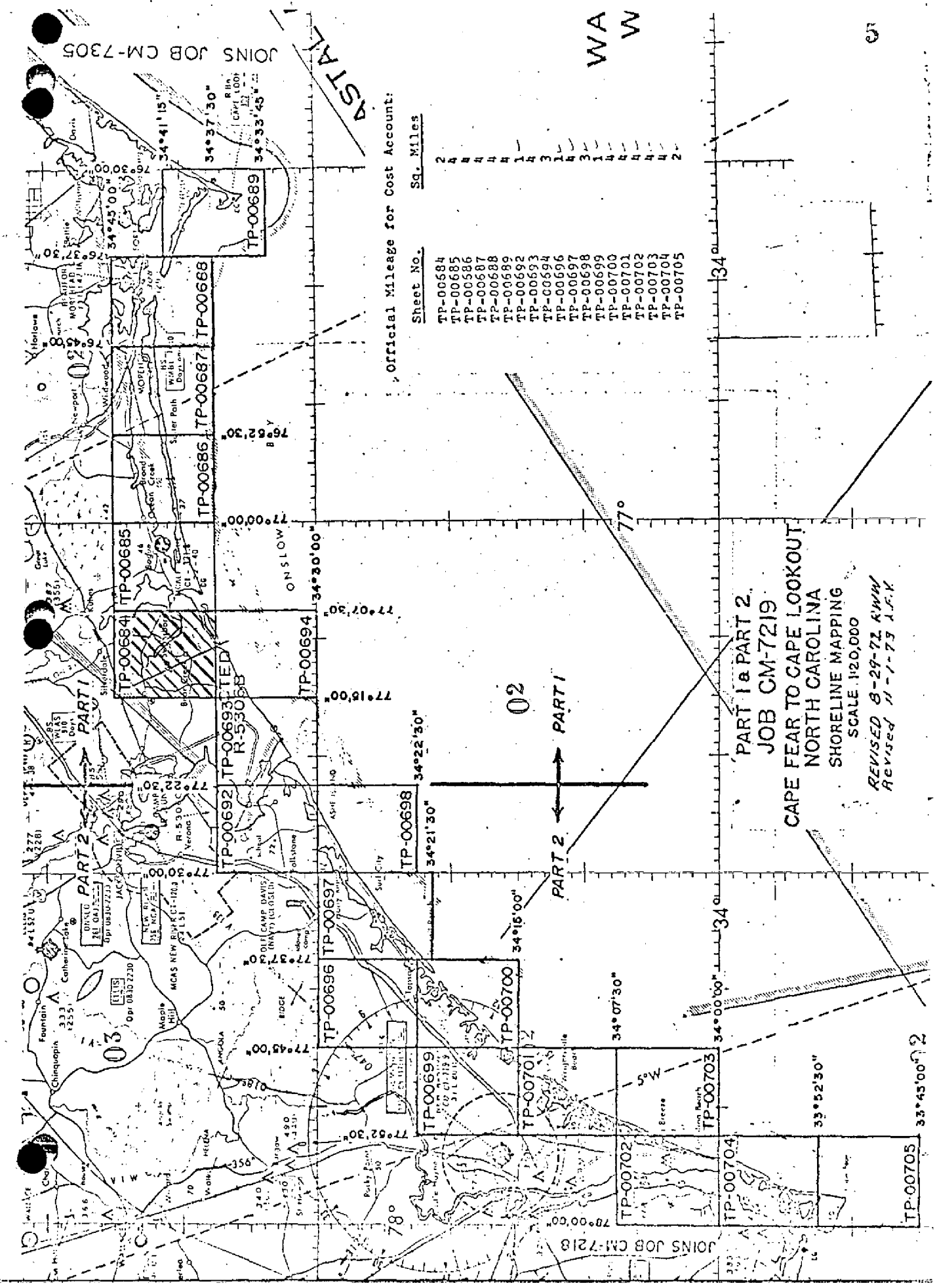
JOINS JOB CM-7305

WA
W

5

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	4
TP-00694	3
TP-00696	1
TP-00697	4
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 1 & PART 2
 JOB CM-7219
 CAPE FEAR TO CAPE LOOKOUT
 NORTH CAROLINA
 SHORELINE MAPPING
 SCALE 1:20,000
 REVISED 8-29-72 RHW
 Revised 11-1-73 J.F.V.

JOINS JOB CM-7218

33°45'00" 2

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.

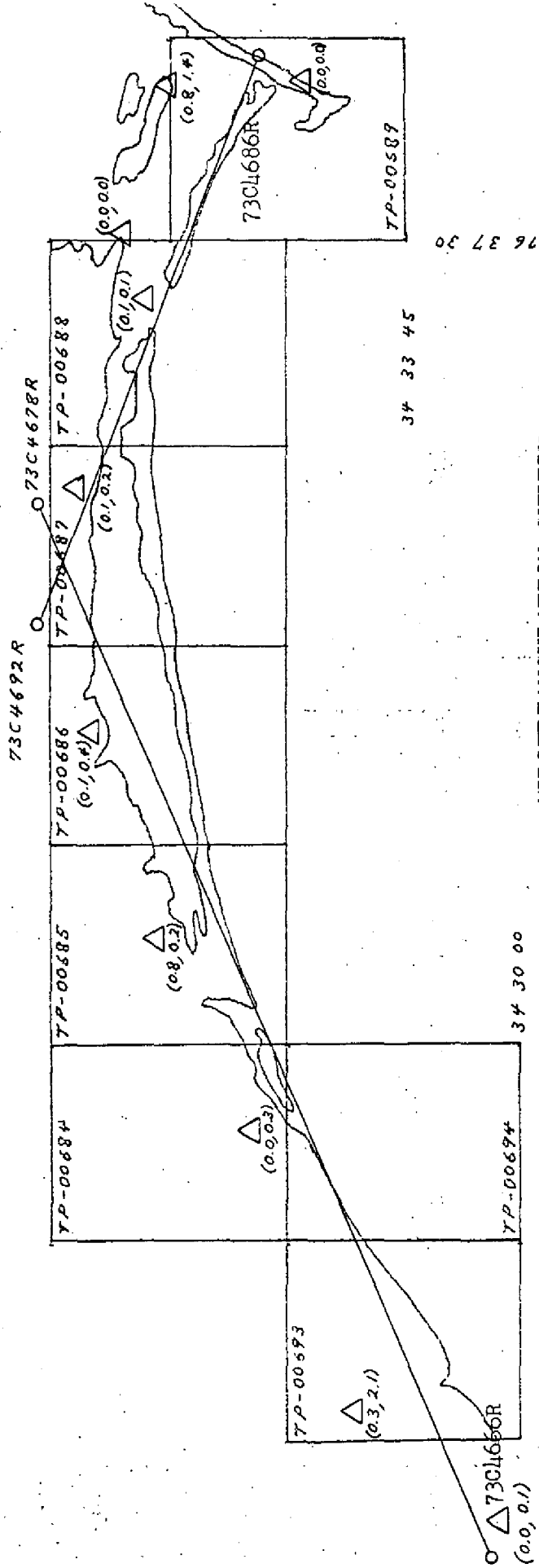
Submitted by,

Don O. Norman
Don O. Norman

Approved by:

John D. Perrow, Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section



AEROTRIANGULATION SKETCH
 CAPE LOOKOUT TO CAPE FEAR
 NORTH CAROLINA
 PART 1
 JOB CM-7219
 September, 1974

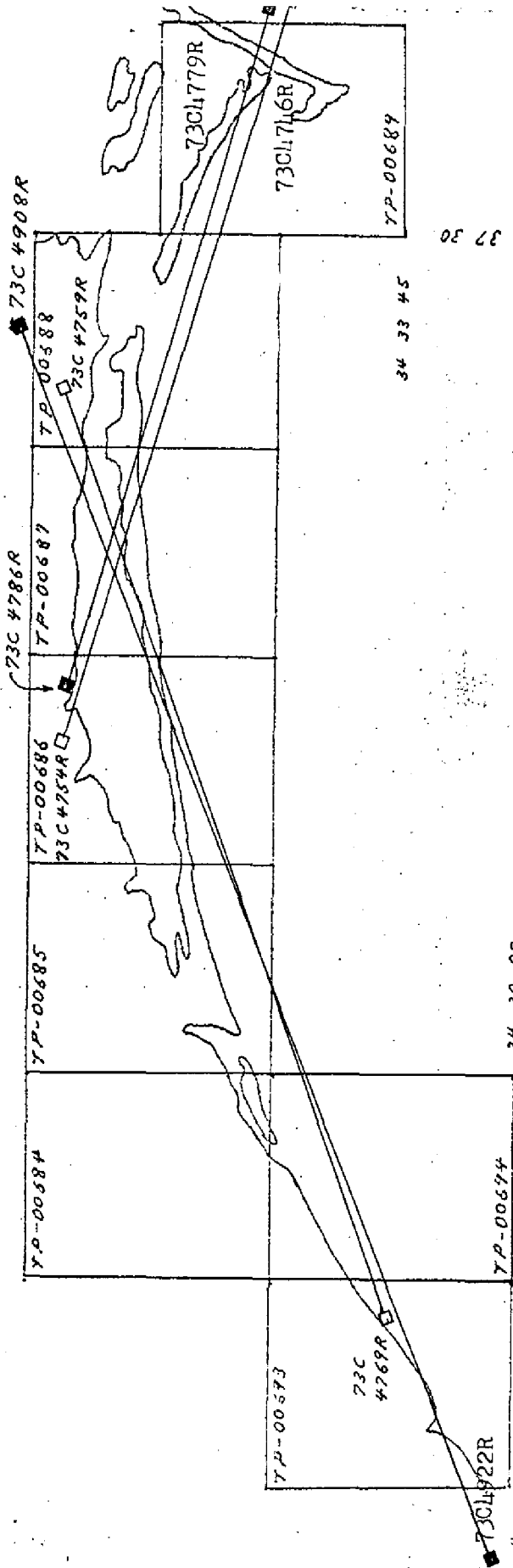
1:60000 Bridging Photos color IR

34 33 45

34 30 00

77 07 30

76 37 30



76 37 30

34 33 45

34 30 00

77 07 30

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00684	JOB NO. CM-7219	GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY Coastal Mapping Section, AMC	
		STATION NAME	COORDINATES IN FEET STATE North Carolina ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS Forward Back
SAUNDERS, 1914	G.P. Vol. 2 Pg. 493			φ 34 38 35.686	1099.6 (749.3)
					λ 77 10 53.889
MEADOW, 1914	G.P. Vol. 2 Pg. 493			φ 34 37 37.704	1161.8 (687.0)
					λ 77 12 36.675
HAMMOCK, 1855	G.P. Vol. 2 Pg. 500			φ 34 38 48.575	1496.8 (352.1)
					λ 77 10 13.406
BEACH, 1914	G.P. Vol. 2 Pg. 493			φ 34 38 26.024	801.9 (1047.0)
					λ 77 08 49.413
BANK, 1914	G.P. Vol. 2 Pg. 492			φ 34 38 57.456	1770.4 (78.5)
					λ 77 08 04.920
				φ	
				λ	
				φ	
				λ	
				φ	
				λ	
				φ	
				λ	
				φ	
				λ	
COMPUTED BY A.C. Rauck, Jr.		DATE 10/4/74	COMPUTATION CHECKED BY J.R. Minton	DATE 10/7/74	
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-00684

31. DELINEATION

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

Delineation was by the Wild B-8 stereoplotter, except that the MHW and MLW lines were compiled graphically from tide coordinated infrared ratios. The 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. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

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

Both the mean high water lines and mean low water lines were delineated graphically from the tide coordinated 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.

* None on this map. 50

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: HUBERT, N.C., scale 1:24,000, dated 1952.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: 833-SC, Neuse River to Myrtle Grove Sound, N.C., scale 1:40,000, dated March 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Charles Blood

Charles Blood

Cartographic Technician

Oct. 18, 1974

Approved:

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00684

FIELD EDIT

Field edit was adequate.

16 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

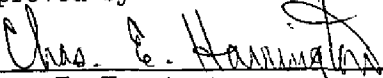
TP-00684

Atlantic Ocean

Bear Beach

Onslow Bay

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 - 00684			
1. PROJECTION AND GRIDS FM	2. TITLE FM	3. MANUSCRIPT NUMBERS FM	4. MANUSCRIPT SIZE FM
CONTROL STATIONS			
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
ALONGSHORE AREAS (Nautical Chart Data)			
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
PHYSICAL FEATURES			
20. WATER FEATURES		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
CULTURAL FEATURES			
27. ROADS FM	28. BUILDINGS FM	29. RAILROADS FM	30. OTHER CULTURAL FEATURES FM
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
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	39. FORMS FM
40. REVIEWER Frank Margiotta <i>Frank Margiotta</i>		Oct. 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. <i>A.L. Shands</i>			
COMPILER A.L. Shands <i>James R. Minton</i>		Feb. 1975	SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.
Reviewed: J.R. Minton		May, 1975	
43. REMARKS No changes were made to this map as a result of Field Edit.			

FIELD EDIT REPORT
JOB CM-7219
CAPE FEAR TO CAPE LOOKOUT, NORTH CAROLINA
MAP Tp-00684

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. There is very little shoreline on this map.

54. Recommendation

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There are no landmarks or non-floating aids for navigation.

57. Rocks, Reefs, and Shoals

There are no rocks, reefs, or shoals, as defined, within the limits of this map.

58. Photography

Photography consisted of 1:20,000 black and white ratio prints of 1:60,000 scale photography. The matte finish field prints were partly fuzzy. 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
Surveying Technician
Photo Party 62

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	
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 (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
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 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	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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

REVIEW REPORT TP-00684

SHORELINE

March 8, 1976

61. GENERAL STATEMENT:

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

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a copy of Survey T-9396S, 1:10,000 scale, dated October 1954. Significant differences are shown in blue on the comparison print.

In the area compared, TP-00684 supersedes T-9396S for nautical chart construction purposes. T-9396S is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle HUBERT, NC, 1:24,000 scale, dated 1952. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys of the shoreline area were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11541 (833-SC), 1:40,000 scale, 12th edition, dated March 1975. No significant differences were noted.

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
8 March, 1976

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

S. B. Shankubala
for A. K. Herwood


Chief, Photogrammetric Branch¹⁸


Halter

Chief, Coastal Mapping Division


20

39'

BANK, 1914 

 BEACH, 1914



Y= 330,000 Ft 

Shifting sand dunes.

38'

BEAR BEACH
ON SLOW BAY

ATLANTIC OCEAN

34°37'30"

09'

08'

77°07'30"

X= 2,360,000 Ft.

NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
TP-00684

NORTH CAROLINA
CAPE FEAR TO CAPE LOOKOUT

BEAR BEACH
SCALE 1: 20,000

(1 inch = 1,666.67ft)

CONTROL DATA

Polycenic projection: 1927 North American Datum
10,000-foot grid based on North Carolina plane coordinate system
Datum plane: Mean High Water

COMPARISON PRINT

Blue = T-9396 S

of third-order or higher accuracy

imate mean high water.
ds, from aerial photographs

3

5

5

76

