

TP-00511

TP-00511

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-7305*..... Map No. *TP-00511*.....
Classification No. Edition No. *...1*.....
Field Edited Map

LOCALITY

State *North Carolina*.....
General Locality *Cape Hatteras to Cape Lookout*.....
Locality *Drum Inlet*.....

19 *74* TO 19 *75*

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP-00511

MAP EDITION NO. ()
 MAP CLASS Final (F.E.)
 JOB ~~XX~~ CM-7305

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE

Jeffrey G. Carlen CDR

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH- _____

MAP CLASS _____

SURVEY DATES:

19 ____ TO 19 ____

I. INSTRUCTIONS DATED

1. OFFICE

Aerotriangulation - Sept. 3, 1974
 Compilation - Nov. 6, 1974

2. FIELD

Jan. 10, 1974
 March 5, 1975

II. DATUMS

1. HORIZONTAL:

☒ 1927 NORTH AMERICAN

OTHER (Specify)

2. VERTICAL:

- ☒ MEAN HIGH-WATER
☒ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

~~Polconic~~*Lambert Conformal*

4. GRID(S)

STATE
 North Carolina

ZONE

5. SCALE

1:20,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	M. McGinley	Oct., 1974
METHOD: Analytic	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	R. Robertson	Oct., 1974
METHOD: Calcomp	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	L. O. Neterer Jr.	Feb., 1975
COMPILATION	CHECKED BY	G. R. Vanderhaven	Feb., 1975
INSTRUMENT: Wild B-8	CONTOURS BY	N/A	
SCALE: 1:10,000	CHECKED BY	N/A	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	Charles Parker	Feb., 1975
	CHECKED BY	C. E. Blood	Feb., 1975
	CONTOURS BY	N/A	
METHOD: Smooth drafted	CHECKED BY	N/A	
	CONTOURS BY	N/A	
SCALE: 1:20,000	HYDRO SUPPORT DATA BY	N/A	
	CHECKED BY	N/A	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	C. Blood	Feb., 1975
	BY	David Butler	March 1975
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	F. Margiotta	May 1975
	BY	F. Margiotta	May 1975
7. COMPILATION SECTION REVIEW	BY	A. L. Shands	Oct., 1976
8. FINAL REVIEW	BY	A. L. Shands	Jan., 1977
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. CATOK	MAR. 1977

NOAA FORM 76-36A

SUPERSEDES FORM C&GS 181 SERIES

* U. S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00511
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" and RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern MERIDIAN 75th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74E(C)(I)4463-4469	4/1/74	14:50	1:20,000	3.4 ft. above MLW	
*74C(C)(I)8799-8800	4/1/74	14:00	1:60,000	+0.2 ft. of MHW	
*74C(C)(I)9027-9028	4/7/74	11:53	1:60,000	+0.2 ft. of MLW	

REMARKS

*Tide coordinated photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean highwater line was compiled graphically from the above listed tide coordinated photographs taken at MHW.

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

The mean low waterline was compiled graphically from the above listed tide coordinated photographs taken at MLW.

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
No survey	TP-00512	TP-00513	No survey
REMARKS			

TP-00511
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Tibbetts	Mar. 1974
2. HORIZONTAL CONTROL	RECOVERED BY R. Tibbetts ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY R. Tibbetts	Mar. 1974
3. VERTICAL CONTROL	RECOVERED BY N.A. ESTABLISHED BY N.A. PRE-MARKED OR IDENTIFIED BY N.A.	
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 None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74C(C)(I)8844	DRUM, 1960		
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: <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 (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) 1 Form 152 Control Station Identification 1 Form 526 Recovery Note			

TP-00511

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	Mar. 1975
2. HORIZONTAL CONTROL	RECOVERED BY R. S. Tibbetts	1975
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY N. A.	
	ESTABLISHED BY N. A.	
	PRE-MARKED OR IDENTIFIED BY N. A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY R. S. Tibbetts	1975
	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 None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N. A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
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: <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 (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1 Field Edit Ozalid 1 Form 76-40
 1 Field Edit Report
 1 Form 562 Recovery Note

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00511
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	Feb. 1975 Feb. 1975	Class III manuscript	3/7/75	2/28/75
Field Edit Applied Compilation Complete	Mar. 1975	Class I manuscript	5/12/75	
Final Review	Oct. 1976		2/8/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		5/15/75	Landmarks for deletion

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: May 15, 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 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 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	

35°20'00"

BEVERLY HARTER NATIONAL
WILDLIFE REFUGE

02

35°15'00"

Hatteras

TP-00507

RESTRICTED
R-5306A

35°10'00"

TP-00509

TP-00508

35°05'00"

TP-00510

35°00'00"

TP-00511

TP-00512

34°50'00"

34°48'00"

TP-00513

34°40'00"

34°38'00"

TP-00514

JOHN'S JOB CM-7215
COAST
11-1-57 (Rev. 8-56)

Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00507	8
TP-00508	4
TP-00509	4
TP-00510	4
TP-00511	3
TP-00512	6
TP-00513	4
TP-00514	6

Total 41

JOB CM-7305

CAPE HATTERAS TO CAPE LOOKOUT

NORTH CAROLINA
SHORELINE MAPPING
SCALE 1:25,000

76°

75°30'00"

75°40'00"

75°50'00"

76°05'00"

76°10'00"

76°

02

COASTAL AIR DEFENSE IDZ

PROHIBITION ZONE

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00507 thru TP-00514

Project 7305 is the most northerly of several projects which make up the Southern Coastal Plains Expedition (SCOPE). It consists of eight (8) 1:20,000 scale manuscripts covering the outer coastline from Cape Hatteras south to a position just north of Cape Lookout. The original instructions dated November 6, 1974 Item 5.01 called for the compilation of "standard shoreline maps". None of the manuscripts in this project can be considered "standard shoreline maps" because in each case only the outer shoreline which borders the Atlantic Ocean was delineated.

To facilitate bridging and the setting of stereo models on the Wild B-8 stereo-plotter it was necessary to fly photography at 1:15,000, 1:20,000 and 1:30,000 scales because most of the area consists of a very narrow coastal band. In addition, 1:60,000 scale tide coordinated photography was flown at mean high and mean low water from which the mean high and mean low water lines were graphically delineated. (See Item 31 of the Compilation Report). All photography was taken with the RC-8 and RC-10 cameras using color infrared film.

Field work prior to compilation consisted of pre-marking and recovery of horizontal control for bridging and the observation and recording of tide data.

Bridging was done in the Rockville office using the Wild STK-1 in October, 1974. Ratio prints of the 1:60,000 scale tide coordinated photography were ordered at that time.

Compilation was done at the Atlantic Marine Center in April, 1975. Models of the bridging photography were set on the Wild B-8 stereo-plotter from which details above the MHWL were compiled and points common to the tide coordinated ratios were dropped. The MHWL and MLWL were delineated graphically using the tide coordinated ratios supplied for that purpose.

Field edit was accomplished during February through April, 1975.

Final review was done in October, 1976 at the Atlantic Marine Center.

The original stabilene base manuscripts, each 10 minutes in latitude and 10 minutes in longitude, were forwarded to the Rockville office for reproduction of registration copies.

No field inspection report was submitted.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7305
Cape Hatteras to Cape Lookout
North Carolina
October 1974

21. Area Covered

This project covers the shoreline from Cape Lookout to just north of Cape Hatteras. Included are eight T-sheets (TP-00507 thru TP-00514). All sheets are 1:20,000 scale.

22. Method

Five strips of color IR photography with varying scales were bridged on the Wild STK-1 in order to obtain pass point positions and exact scale ratios to be used during compilation.

Strip 1 (1:15,000 scale) was adjusted on four field-identified triangulation stations with one additional triangulation station and two tie points as checks. Strip 2 (1:20,000 scale) was adjusted on five field-identified triangulation stations with three additional triangulation stations and six tie points as checks. Strip 3 (1:30,000 scale) was adjusted on three field-identified triangulation stations with one additional triangulation station and four tie points as checks. Strip 4 (1:30,000) was adjusted on four field-identified triangulation stations and one tie point with five additional triangulation stations and nine tie points as checks. Strip 5 (1:15,000 scale) was adjusted on three field identified triangulation stations and one tie point with seven additional triangulation stations and five tie points as checks. All adjustments were performed on the IBM 6600. All sheets were ruled and plotted on the Coradomat.

1:20,000 scale ratios were ordered.

23. Adequacy of Control

The horizontal control utilized in the adjustments held within National Map Accuracy.

24. Supplemental Data

Vertical control for bridging only was obtained from local USGS quads.

25. Photography

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

Approved by:

John D. Ferrow, Jr.
John D. Ferrow, Jr.
Chief, Aerotriangulation Section

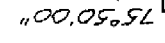
Submitted by:

Michael L. McGinley
Michael L. McGinley

Note to Compiler

Strip 3 could not be bridged beyond model 74-E(C)-4420/4421. Image points were selected for pass points on photo 4421 to be used for scaling and orientating the photo for delineating the point of land not covered in the bridge. The image points selected are pricked on contact print 4421. A ratio photo of 4421 was ordered at 1:20,000.

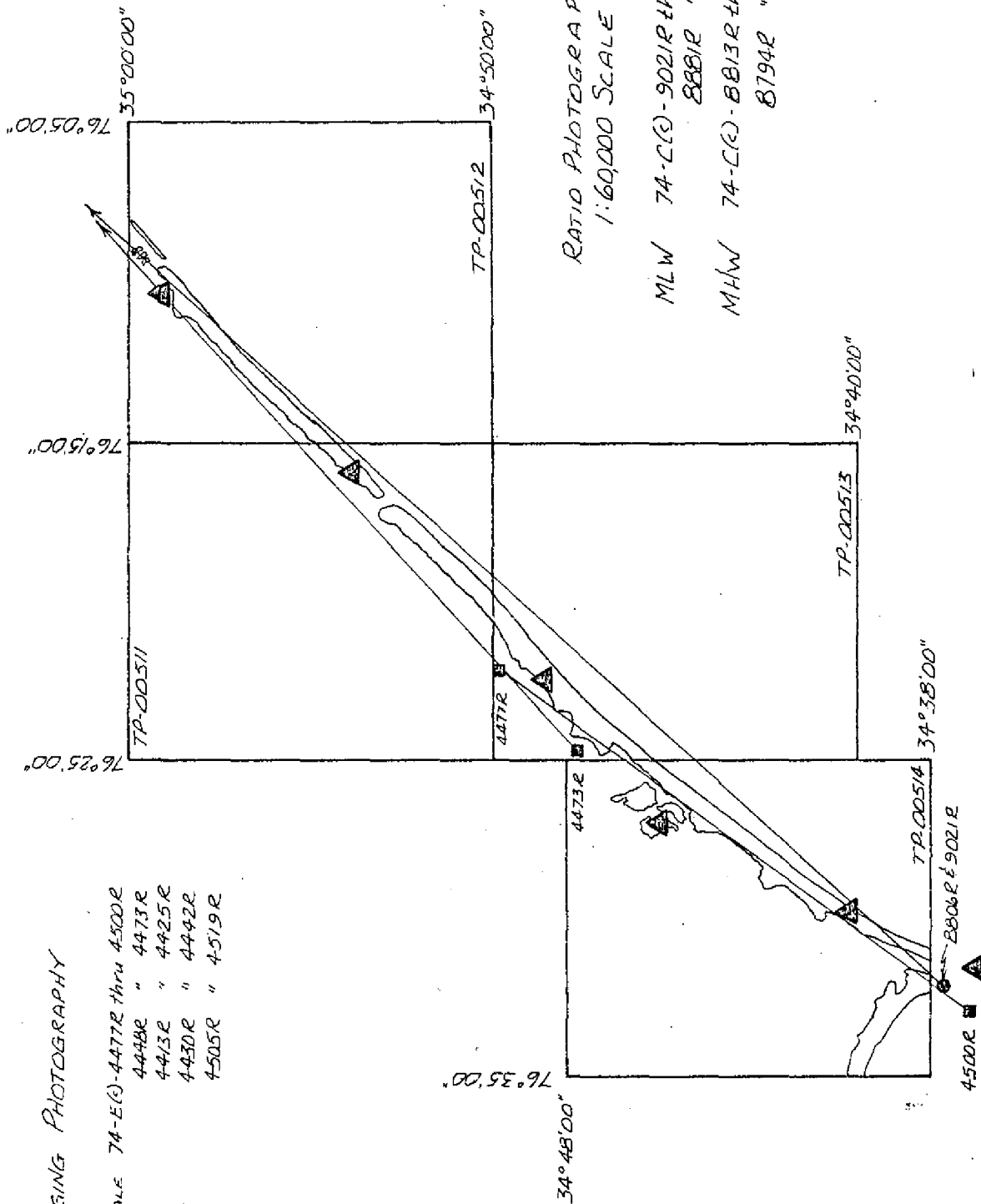
مكتبة جامعة القاهرة



SHEET I

BRIDGING PHOTOGRAPHY

STRIP 1 1:15000 SCALE 74-E(1)-4477R thru 4500R
 STRIP 2 1:20000 " 4448R " 4473R
 STRIP 3 1:30000 " 4413R " 4425R
 STRIP 4 1:30000 " 4430R " 4442R
 STRIP 5 1:15000 " 4505R " 4519R



RATIO PHOTOGRAPHY 1:60,000 SCALE

MLW 74-C(1)-9021R thru 9034R
 8881R " 8890R
 MHW 74-C(1)-8813R thru 8823R
 8794R " 8806R

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY		
					COORDINATES IN FEET STATE _____ ZONE _____	N.A. 1927	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS	
TP-00511	CM-7305							Coastal Mapping Div., AMC	
DRUM, 1960	G.P. Vol. III				X=	ϕ 34 53 22.1505	682.6	(1166.3)	
	Pg. 8				Y=	λ 76 16 13.0306	330.9	(1192.5)	
CORE, 1932	G.P. Vol. III				X=	ϕ 34 51 32.89925	2013.6	(835.3)	
	Pg. 3064				Y=	λ 76 18 38.5693	979.7	(544.1)	
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
COMPUTED BY	A.C. Rauck, Jr.			DATE	11/7/74	COMPUTATION CHECKED BY	J. Desch	DATE	11/8/74
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-00511

31. DELINEATION

Delineation by the Wild B-8 stereoplotter, was limited to the delineation of trails, sand limits and landmarks. The MHWL & MLWL were compiled graphically using ratio prints of the 1:60,000 scale color infrared photographs provided for that purpose.

32. CONTROL

See the attached Photogrammetric Plot Report, dated: Oct. 1974. Points dropped from the B-8 models were used to control the graphic delineation of the MHWL and MLWL.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. No drainage is shown.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and all alongshore details were delineation from office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Copies of Form 76-40 were forwarded to the field editor for confirmation, deletions and additions.

38. CONTROL FOR FUTURE SURVEY

none

39. JUNCTIONS

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

40. HORIZONTAL AND VERTICAL ACCRACY

No Statement

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the U.S. Geological Survey Quadrangles Atlantic, NC and Styron, Bay NC, each 1:24,000 dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the National Ocean Survey charts 11257, scale 1:40,000, 12th edition, dated June 24, 1972 and 11254, scale 1:40,000, 41st edition, dated Dec. 16, 1972.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

A. D. Shanks
forCharles Parker
Cartographic Aid

Date: February 12, 1975

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00511

Field Edit

Field Edit was adequate.

22 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7305 (Cape Hatteras to Cape Lookout, N.C.)

TP-00511

Atlantic Ocean

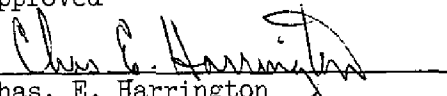
Core Banks

Drum Inlet

Point of Grass

Raleigh Bay

Approved


Chas. E. Harrington
Staff Geographer--C51x2

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00511 T.

1. PROJECTION AND GRIDS CB	2. TITLE CB	3. MANUSCRIPT NUMBERS CB	4. MANUSCRIPT SIZE CB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CB	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	10. PHOTOGRAMMETRIC PLOT REPORT CB	11. DETAIL POINTS CB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CB	13. LOW-WATER LINE CB	14. ROCKS, SHOALS, ETC. CB	15. BRIDGES NA
16. AIDS TO NAVIGATION CB	17. LANDMARKS CB	18. OTHER ALONGSHORE PHYSICAL FEATURES CB	19. OTHER ALONGSHORE CULTURAL FEATURES CB
PHYSICAL FEATURES			
20. WATER FEATURES CB		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 CB
CULTURAL FEATURES			
27. ROADS CB	28. BUILDINGS CB	29. RAILROADS NA	30. OTHER CULTURAL FEATURES CB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CB		34. JUNCTIONS CB	35. LEGIBILITY OF THE MANUSCRIPT CB
36. DISCREPANCY OVERLAY CB	37. DESCRIPTIVE REPORT CB	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS CB
40. REVIEWER <i>Charles E. Blood</i> Charles E. Blood Feb. 14, 1975		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A. 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>David P. Butler</i> David Butler Mar. 31, 1975		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
Reviewer: <i>Frank Margiotta</i> Frank Margiotta May, 1975			
43. REMARKS Refer to Form 76-36C for field edit source data.			

Field Edit Report
TP-00511 JOB CM-7305

51. METHODS

The manuscript was inspected and all questions answered on the Field Edit Ozalid. The old Drum Inlet has filled in and now has moved to its present location. The trail should be deleted as most traveling is now done near the beach. There is no trail as such, but several tracks going in different directions. No landmarks are recommended as the Atlantic Coast Guard Station, Cupola and Flagpole no longer exist.

52. ACCURACY OF COMPILATION °

Adequate after application of field edit information.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Joseph D. Di Mare
Joseph D. Di Mare
Surveying Aid

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETED

REPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping
AMC - Norfolk Va

REPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Div.

STATE
Nor

	LOCALITY
Cape Hatteras	
Cape Lookout	

DATE
Mar. 1975

U.S. DEPARTMENT OF COMMERCE
AND ATMOSPHERIC ADMINISTRATION

MONITORING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY

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

(See reverse for responsible personnel)

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

OPB PROJECT NO.

DATE	JOB NUMBER	DESCRIPTION	AMOUNT	REMARKS
1944	100

SURVEY NUMBER

DATUM

N.A.1927

TP-00511

CM-7305

437

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

DESCRIPTION
(Record reason for deletion of landmark or aid to navigation) (Show triangulation station names, where applicable, in parentheses.)
(Atlantic Coast Guard Station

(Record reason for deletion)
Show triangulation station

(Atlantic Coast
Cupola, 1960)

CHARTING
NAME

LATITUDE

11	D.M. Meters
----	-------------

11	D.P.M.
1	

11	D.P. Meters
----	-------------

74E(C)(I)4467	OFFICE
APR. 1, 1974	

FIELD

- CUPOLA

(Atlantic Coast Guard Station
Cupola, 1960)

76-18

35.980	0.10
--------	------

74E(C)(I)4467
Apr. 1, 1974

19.1 troy

20
1233

FLAGPOLE

84-51.5

76-18.6

--	--



17

—

14

REVIEW REPORT TP-00511

SHORELINE

October 28, 1976

61. GENERAL STATEMENT:

See Summary which is pages 6 and 6a of this Descriptive Report. The Landmarks, CUPOLA and FLAGPOLE, are not visible on Photo 74E(C)(I) as indicated on Form 76-40 with this report.

A comparison Print showing the differences noted in Paragraphs 62, 63 and 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-8741 N/2 and T-8741 S/2 1:10,000 scale dated 1947. Significant differences are noted on the comparison print in blue pencil.

In the area compared TP-00511 supersedes T-8741 N/2 and T-8741 S/2 which are the latest registered surveys of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangles Styron Bay, NC and Atlantic, NC each dated 1951 and scaled 1:24,000. Significant differences are noted on the comparison print in brown pencil.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No comparison was made. The contemporary hydrographic surveys of the area were not available at AMC during final review. This reviewer was informed by the Verification Branch, AMC that these surveys do not include inshore soundings above the 14 foot depth. It was concluded that no meaningful comparison could be made using them and therefore, no copies were requested from the Rockville Office.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Charts 11545, 44th edition dated January 10, 1976 and 11550 16th edition dated July 17, 1976. Each is

scaled 1:40,000. Significant differences are noted on the comparison print in red pencil.

66 ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Instructions - OFFICE - Job CM-7305 dated November 6, 1974 except that it is not a standard shoreline map. (see first paragraph of Summary)

This map meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted:

A. L. Shands

A. L. Shands
Cartographer
October 28, 1976

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief Photogrammetric Branch, AMC

Approved:

[Signature]

Chief, Photogrammetric Branch

[Signature]

Chief, Coastal Mapping Division

TP-00511

76° 19'

16a

18'

52

7310

CORE, 1932

Drum Inlet

Point of
Grass

BANKS

51'

MHWL on Quad coincident with Topo

TP-00511
Comparison Print
1:20,000 Scale

Brown line from Quad
Blue line from Topo

34° 50'

20'

76° 19'

18'

x = 2,810,000 FT

△ Recoverable horizontal control station of third-

..... Approximate mean low water line

The heavy shoreline defines the approximate mean h

Compiled by photogrammetric methods, from aerial

Date of Photography April 1974

Date of Field Inspection None

TP-00511

76° 17'

76° 15'

16b

y. 430

54'

53'

y. 420

52'

463310

464310

DRUM
1960

BANKS

MHWL on Quad coincident with Topo

TP-00511

Comparison Print

1:20,000 Scale

Brown line from Quad
Blue line from Topo

Marsh

Marsh

Sand

Sand

Ma

Ma

Ma

Ma

E

BAY

34° 52'

H

