

TP-00514

TP-00514

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-00514
Classification No. Edition No. 1
Field Edited Map

LOCALITY

State North Carolina
Cape Hatteras to
General Locality ... Cape Lookout
Locality Barden Inlet

19 74 TO 19 75

REGISTRY IN ARCHIVES

DATE

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. 00514

MAP EDITION NO. (1

MAP CLASS Final (F.E.)

JOB ~~PH~~ CM-7305

DESCRIPTIVE REPORT - DATA RECORD

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

Lambert Conformal
-Polyconic

4. GRID(S)

STATE
North Carolina

ZONE

5. SCALE

1:20,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY LANDMARKS AND AIDS BY	M. McGinley	Oct. 1974
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp	PLOTTED BY CHECKED BY	R. Robertson	Oct. 1974
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY CHECKED BY	L.O. Neterer, Jr. G. Vanderhaven	Feb. 1974 Feb. 1974
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:7,500	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	Charles Parker	Feb. 1975
	CHECKED BY	C.E. Blood	Feb. 1975
METHOD: Smooth drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:20,000	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	C.E. Blood	Feb. 1975
	BY	J. Desch	Apr. 1975
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	C. Blood	Apr. 1975
7. COMPILATION SECTION REVIEW	BY	C. Blood	Feb. 1975
8. FINAL REVIEW	BY	A.L. Shands	Oct., 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	A.L. Shands	Jan., 1977
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R.T. CATPE	MAR. 1977

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00514
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
74E(C)(I)4485-4497	4/1/74	15:10	1:15,000	3.3 ft. above MLW
* 74C(C)(I)8803-8805	4/1/74	14:00	1:60,000	+0.2 ft. of MHW
* 74C(C)(I)9022-9024	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 high water 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 water line 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-00513	CM-7219 TP-00689	CM-7219 TP-00689

REMARKS

TP-00514

HISTORY OF FIELD OPERATIONS

1. ☒ 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	Mar., 1974
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. Tibbetts	Mar., 1974
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 BY	
	<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
74E(C)(I)4493	IRON, 1962
74E(C)(I)4486	DEER CREEK RM. 1, 1933

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: ☐ 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)

2 Form 152 Control Station Identification
2 Form 526 Recovery Note

TP-00154

HISTORY OF FIELD OPERATIONS

1. <input type="checkbox"/> FIELD INSPECTION OPERATION		<input checked="" type="checkbox"/> FIELD EDIT OPERATION	
OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		Robert S. Tibbetts	Mar., 1975
2. HORIZONTAL CONTROL		RECOVERED BY Robert S. Tibbetts	Mar., 1975
		ESTABLISHED BY None	
		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 J.D. DiMare	Feb., 1975
		LOCATED (Field Methods) BY None	
		IDENTIFIED BY None	
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 None	
7. BOUNDARIES AND LIMITS		SURVEYED OR IDENTIFIED BY NA	
II. SOURCE DATA			
1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		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 Form 526 Recovery Note		1 Form 76-40 Landmarks and Aids	
1 Field Edit Ozalid			
1 Field Edit Report			

NOAA FORM 76-36D
(3-72)TP-00514
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Feb., 1975	Class III Manuscript	3/7/75	2/12/75
Field edit applied Compilation complete	Apr., 1975	Class I Manuscript	5/12/75	
Final Review	Oct., 1976		5/8/77 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	Aid for Charts

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 ⁷⁶⁻⁴⁰~~367~~ 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 PH-5

35°20'00"

MANQUANIER NATIONAL
WILDLIFE REFUGE

76°

35°15'00"

Hatteras

TP-00507

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"

76°05'00"

TP-00514

TP-00513

34°40'00"

34°38'00"

JOINS JOB CM-7210

CAPE HATTERAS TO CAPE LOOKOUT

Official Allotment for Cost Accounts

Sheet No.	Sq. Miles
TP-00507	8
TP-00508	4
TP-00509	4
TP-00510	6
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 MAPS
SCALE 100,000

76°

RESTRICTED
R-5306A

CANNON ZONE

AIR DEFENSE IDA

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. Perrow, Jr.

Chief, Aerotriangulation Section

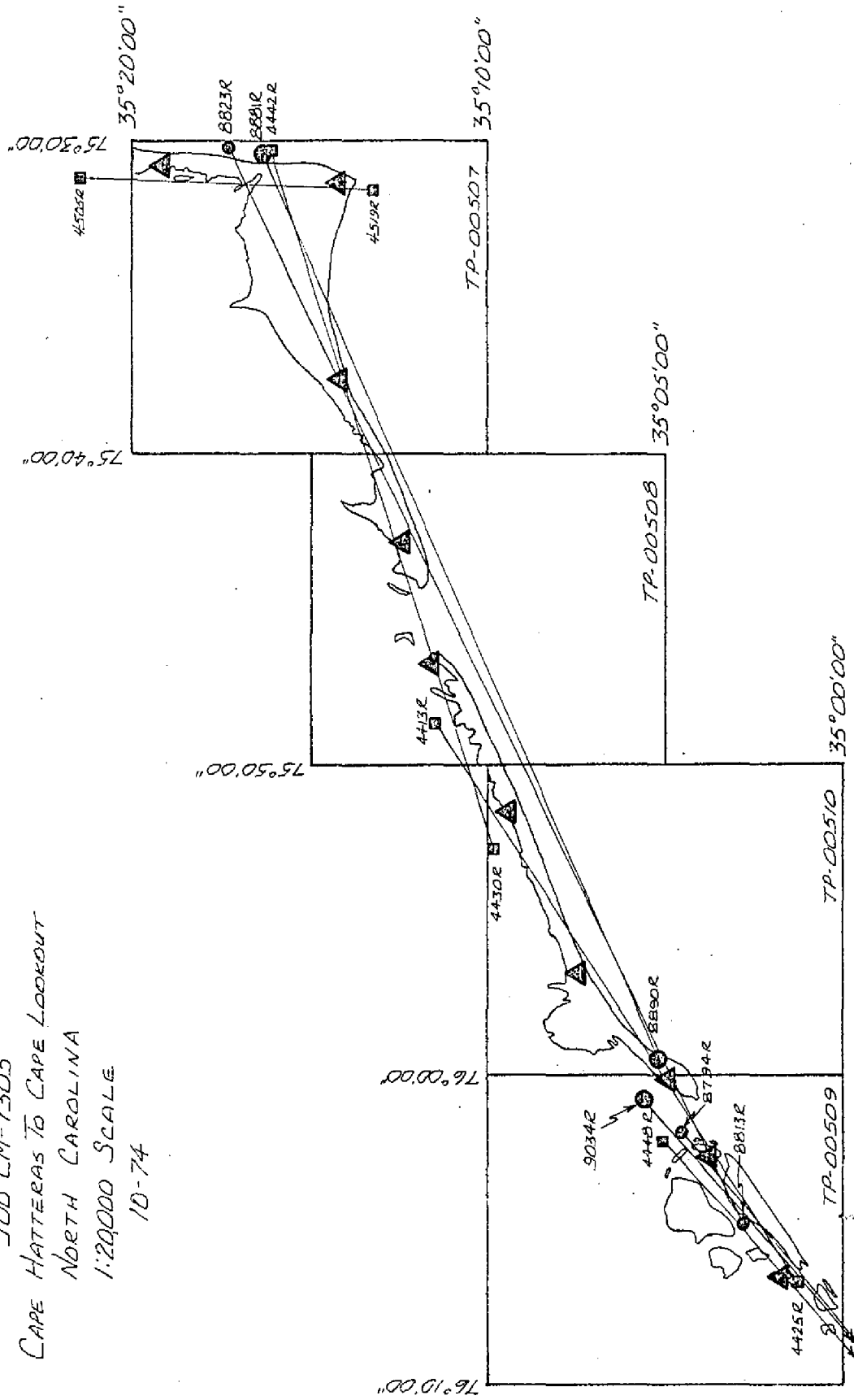
Submitted by:

Michael E. McGinley

Note to Compiler

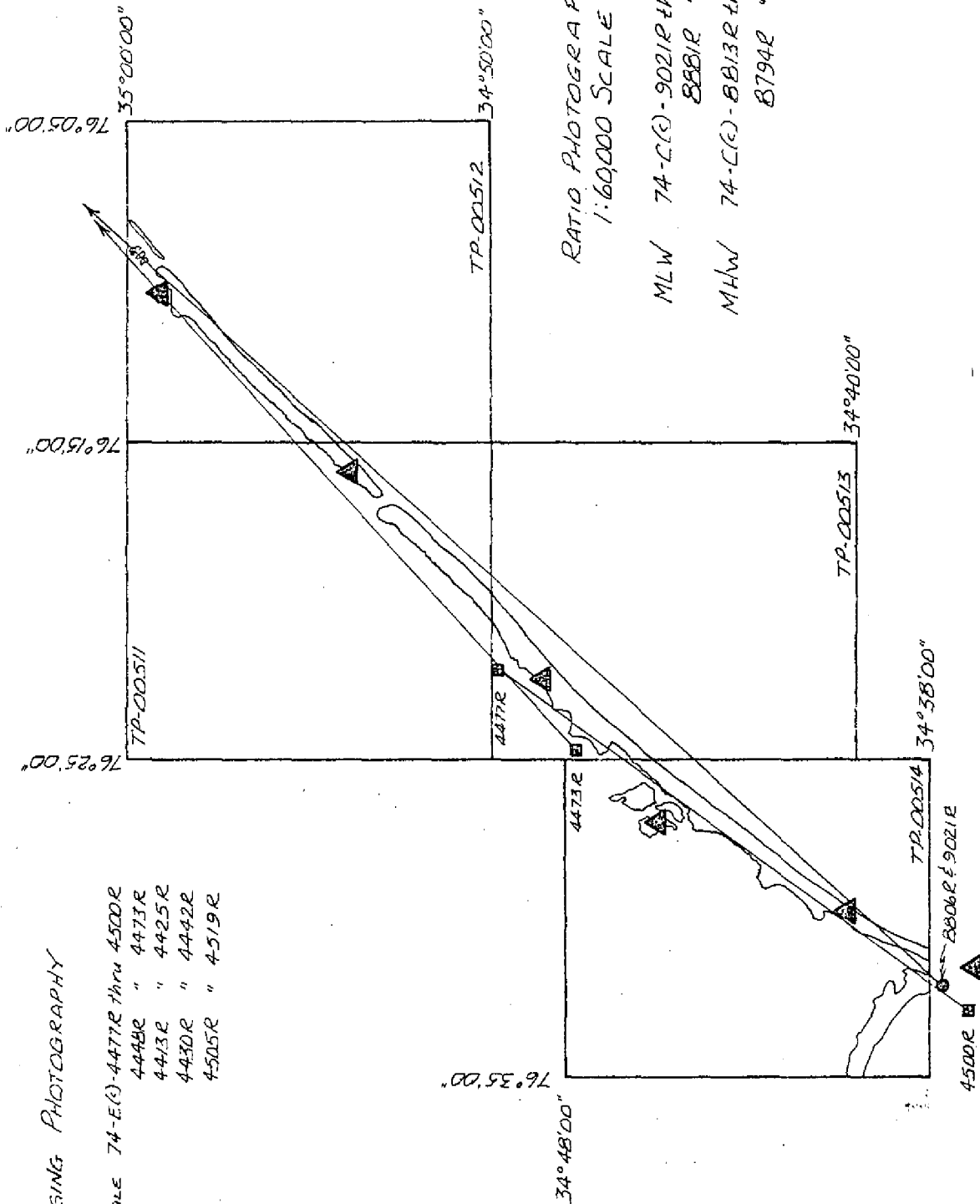
Strip 3 could not be bridged beyond model 74-E(C)-4420/4421. Image points were selected for pass points on photo 4421 to be used for scaling and orientating the photo for delineating the point of land not covered in the bridge. The image points selected are pricked on contact print 4421. A ratio photo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

JOB CM-7305
 CAPE HATTERAS TO CAPE LOOKOUT
 NORTH CAROLINA
 1:20,000 SCALE
 10-74



BRIDGING PHOTOGRAPHY

STRIP 1 1:15000 SCALE 74-E(1)-4471R thru 4500R
 STRIP 2 1:20000 " 4449R " 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.	STATION NAME	JOB NO.	CM-7305	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETTIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	
						STATE	ZONE	φ	λ	φ	λ	Coastal Mapping Division	Atlantic Marine Center
TP-00514	IRON, 1960	G.P. Vol. III	Pg. 4			X=	Y=	φ 34	λ 40	02.33882	72.1	(1776.8)	
	DEER CREEK RM 1, 1933	G.P. Vol. III	Pg. 3056			X=	Y=	φ 34	λ 44	44.85848	1064.5	(463.1)	
	ZACK, 1960	G.P. Vol. III	Pg. 5			X=	Y=	φ 34	λ 42	18.24016	1382.3	(466.6)	
	JACK, 1933	G.P. Vol. III	Pg. 2999			X=	Y=	φ 34	λ 27	44.24384	200.4	(1648.5)	
	BARDEN INLET CHANNEL LIGHT 18, 1962	G.P. Vol. III	Pg. 3049			X=	Y=	φ 34	λ 31	11.05677	1489.3	(38.7)	
	SAM 3, 1962	G.P. Vol. III	Pg. 3005			X=	Y=	φ 34	λ 41	03.83040	299.0	(1549.8)	
						X=	Y=	φ 34	λ 31	37.52196	281.6	(1246.4)	
						X=	Y=	φ	λ		118.0	(1730.9)	
						X=	Y=	φ	λ		955.2	(572.1)	
						X=	Y=	φ	λ				
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COMPILATION REPORT

TP-00514

31. DELINEATION

Delineation by the Wild B-8 stereoplotter was limited to the dropping of photo points for control of the tide coordinated infrared photographs and the delineation of trail, sand limits and landmarks. The MHWL and MLWL were compiled graphically.

32. CONTROL

See the attached Photogrammetric Plot Report, dated Oct., 1974 and Item 31 above.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. No drainage was compiled.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline and all alongshore details were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Copies of Form 76-40 for 1 non-floating aid to navigation was forwarded to the field editor for verification, deletion or additions.

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 has been made with the following U.S. Geological Survey Quadrangles: Horsepen Point, NC, scale 1:24,000, dated 1950 and Harkers Island, NC, scale 1:24,000, dated 1951, photorevised 1971.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: 11254, 41st edition dated December 16, 1972, scale 1:40,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

A. L. Shanks for

Charles Parker
Cartographic Aid
February 10, 1975

Approved:

Albert C. Rauck, Jr.

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

ADDENDUM TO THE COMPILATION REPORT

TR-00514

FIELD EDIT

The only question asked was partially answered. Field editor verified position of Barden Inlet Channel Light 18, 1962, but did not specify methods, or submit recovery card for station. No recovery card was submitted for station Jack, 1933, on Shakleford Banks; all other stations on sheet were accounted for.

22 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00514

Atlantic Ocean

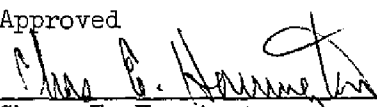
Barden Inlet

Core Banks

Raleigh Bay

Shackleford Banks

Approved


Chas. E. Harrington
Staff Geographer--C51x2

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEYPHOTOGRAMMETRIC OFFICE REVIEW
T.P---514

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 X X	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 CB
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 CB	30. OTHER CULTURAL FEATURES NA
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 X X	39. FORMS CB
40. REVIEWER Charles Blood <i>Charles Blood</i>		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 J. Desch <i>J. Desch</i> Re: C. Blood <i>C. Blood</i>		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A.C. Rauck, Jr.	
43. REMARKS See Form 76-36c (field edit) for field edit source data.			

Field Edit Report
TP-00514 Job CM-7305

51. METHODS

The manuscript was inspected by driving the beach by truck and all questions were answered on the Field Edit Ozalid. Barden Inlet Channel Light 18, 1962 was used in a 3 point fix and its position verified. Seven triangulation stations were searched for and reported on Form 526. One station was not searched for on Shackleford Banks.

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

REVIEW REPORT TP-00514

SHORELINE

October 26, 1976

61. GENERAL STATEMENT:

See Summary which is pages 6 and 6a of this Descriptive Report. This survey is overlapped by TP-00689 (CM-7219) from Longitude $76^{\circ} 35' 00''$ westward to the limits of the manuscript. In the overlapping area the details were compared between the two surveys and found to be congruent.

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 a copy of T-8746 N/2, T-8746 S/2 and T-8745 S/2 all 1:10,000 scale dated 1947. Significant differences are noted on the comparison print in blue pencil.

In the area compared, TP-00514 supersedes T-8745 S/2, T-8746 N/2 and T-8746 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 Harkers Islands, NC, scale 1:24,000 dated 1951 photo-revised 1970, and Horsepen Point, NC, scale 1:24,000 dated 1950. There were no significant differences noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

The contemporary hydro surveys 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 ft. depth. From this it was concluded they would not provide a meaningful comparison. Copies of these hydro surveys therefore, were not requested from the Rockville Office and no comparison was made.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 11554, 44th edition dated January 10, 1976, scale 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 Nov. 6, 1974, except 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 26, 1976

Approved for forwarding:

Joseph W. Vonasek
Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

James C. [Signature]
Chief, Photogrammetric Branch *James C. [Signature]*
Chief, Coastal Map. Div.

TP-00514

BARDEN
LIGHT
(GARDEN)

34° 39' E

497310

pues

Y

A

B

WACK 1935

TP-00514
Comparison Print
1:20,000 Scale
Blue line from Topo
Red line from Chart

76° 33'

76° 34'

SHACKLEFORD BANKS

pues

34° 39' E

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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.

[illegible]