

TP- 00517

TP- 00517

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey .. Special Surveys.....	
Job No. CM-7402.....	Map No. TP-00517.....
Classification No. Final	Edition No. ..1.....
Field Edited Map	
LOCALITY	
State North Carolina.....	
General Locality .. Beaufort Inlet.....	
Locality ... Morehead City.....	
1973 TO 1974	
REGISTRY IN ARCHIVES	
DATE	

TYPE OF SURVEY

SURVEY TP. 00517

DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEYMAP CLASS *I Final*☐ REVISED

JOB CM 7402

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division (Norfolk)

OFFICER-IN-CHARGE

Jeffrey G. Carlen - CDR-NOAA

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

JOB PH. _____

☐ ORIGINAL

MAP CLASS _____

☐ RESURVEY

SURVEY DATES:

☐ REVISED

19 ____ TO 19 ____

I. INSTRUCTIONS DATED

1. OFFICE

2. FIELD

General Instructions - Office - 5/10/74 Photography (Special Bathymetry and Topo.) 10/23/73
Amendment No. 1 8/10/74 Field (special surveys) 10/30/73
Field edit 8/21/74

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)

National Geodetic Vertical Datum
of 1929.

3. MAP PROJECTION

Lambert Conformal

4. GRID(S)

STATE
N.C.ZONE
N.A.

5. SCALE

1:5,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION Analytic, BY		D.O. Norman	5/74
METHOD: Block Adj. LANDMARKS AND AIDS BY		N.A.	
2. CONTROL AND BRIDGE POINTS PLOTTED BY		R. Robertson	5/74
METHOD: Calcomp CHECKED BY		N.A.	
3. STEREOSCOPIC INSTRUMENT <i>Contours</i> PLANIMETRY BY		G.R. Vanderhaven	8/74
COMPILATION CHECKED BY		Shands, Hancock, Byrd	8/74
INSTRUMENT: B-8 <i>Photobathymetry</i> CHECKED BY		G.R. Vanderhaven	8/74
SCALE: 1:3,000 <i>Pantographed to</i> CHECKED BY		Shands, Hancock, Byrd	8/74
4. MANUSCRIPT DELINEATION <i>Contours</i> PLANIMETRY BY		G.R. Vanderhaven	8/74
CHECKED BY		B. Kurs	8/74
<i>Photobathymetry</i> CHECKED BY		G.R. Vanderhaven	8/74
METHOD: Smooth Compilation <i>Drafting</i> CHECKED BY		B. Kurs	8/74
SCALE: 1:5,000 HYDRO SUPPORT DATA BY		N.A.	
CHECKED BY		N.A.	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		B. Kurs	8/74
BY		J. Hancock	10/74
6. APPLICATION OF FIELD EDIT DATA CHECKED BY		B. Kurs	10/74
BY		B. Kurs	10/74
7. COMPILATION SECTION REVIEW BY		B. Kurs	10/74
8. FINAL REVIEW BY		E.L. Rolle	5/76
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		E.L. Rolle	5/76
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. CATOR	5/76

TP-00517
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild "RC-10"		TYPES OF PHOTOGRAPHY LEGEND (C) <u>COLOR</u> (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input 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	
730(C)5832, 5834, 5836, 5838, ⁸ 5840, 5842	11/7/73	17 ² :29- 17 ² 32	1:7,500	+0.90*MLW(Triple ESS Marina)	
	11/7/73	17 ² :29- 17 ² 32	1:7,500	+1.25*MLW(Port Terminal)	
730(C)5799, 5801, 5802 5804 ⁸	11/7/73	12:17-1222	1:7,500	+1.15*MLW(Port Terminal)	
	11/7/73	12:17-1222	1:7,500	+0.82*MLW(Triple ESS Marina)	
* Refer to the following Page for additional tidal information.					
REMARKS					

2. SOURCE OF MEAN HIGH-WATER LINE: ~~The elevation of the MLW line above NGVD in each tide zone was used to delineate it using the color photography listed above.~~

The source of the MLW line is the tide-coordinated color photography listed above under item 1.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE: ~~The elevation of the MLW line below NGVD in each tide zone was used to delineate it using the color photography listed above.~~

The source of the MLW line is the tide-coordinated color photography listed above under item 1.

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

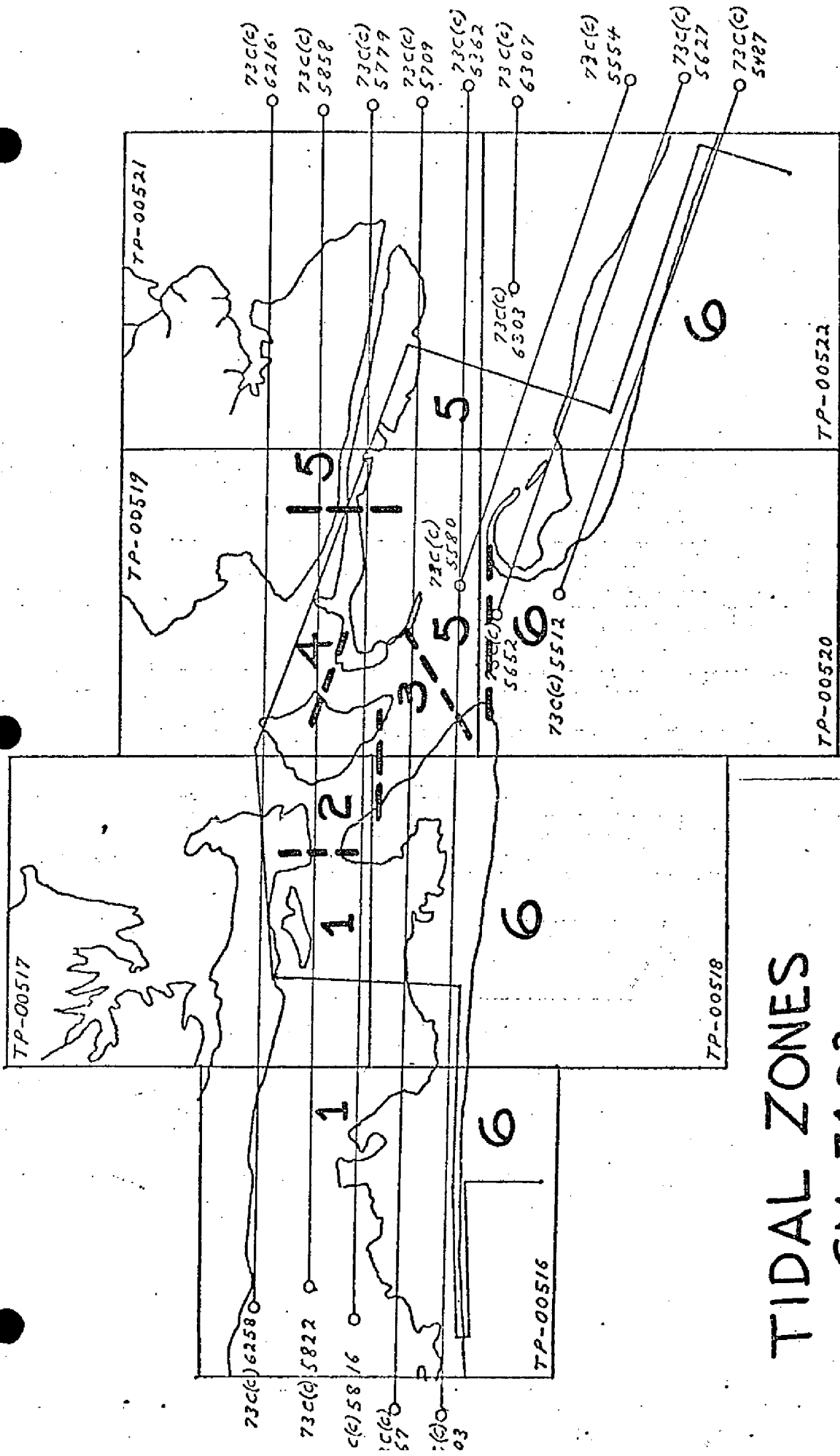
5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
None	TP-00519	TP-00518	TP-00516

REMARKS As this is a special job, no attempt was made to junction with other NOS jobs in the area.

③

*Refer to the following page
for a Tidal Zone diagram.



TIDAL ZONES CM-7402 Beaufort Inlet, N.C.

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts	Oct. 1974 Sept. 1973
2. HORIZONTAL CONTROL	RECOVERED BY R.D. Black	Oct. 1973
	ESTABLISHED BY " " "	" "
	PRE-MARKED OR IDENTIFIED BY " " "	" "
3. VERTICAL CONTROL	RECOVERED BY R.D. Black	Oct. 1973
	ESTABLISHED BY R.E. Kesselring	Oct. 1974
	PRE-MARKED OR IDENTIFIED BY R.D. Black	Oct. 1973
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N.A.	
	LOCATED (Field Methods) BY N.A.	
	IDENTIFIED BY N.A.	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY BY R.E. Kesselring <input type="checkbox"/> NO INVESTIGATION	Oct. 1974
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Pre-mark
one2. VERTICAL CONTROL IDENTIFIED Pre-mark
one

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) Field Edit
73C(C)5832; 73C(C)5834; 73C(C)5836; 73C(C)5840 ~~5838~~4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
N.A.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☒ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

1 - Sketch

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

83 - Form 76-53 Control Station Identification
2 - Form CGS-152 " " "

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

TP-00517

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	Aug. 1974	Class III Manuscript		Aug. 1974
Field edit applied	Oct. 1974	Class I Manuscript		Nov. 1974

II. LANDMARKS AND AIDS TO NAVIGATION

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: _____

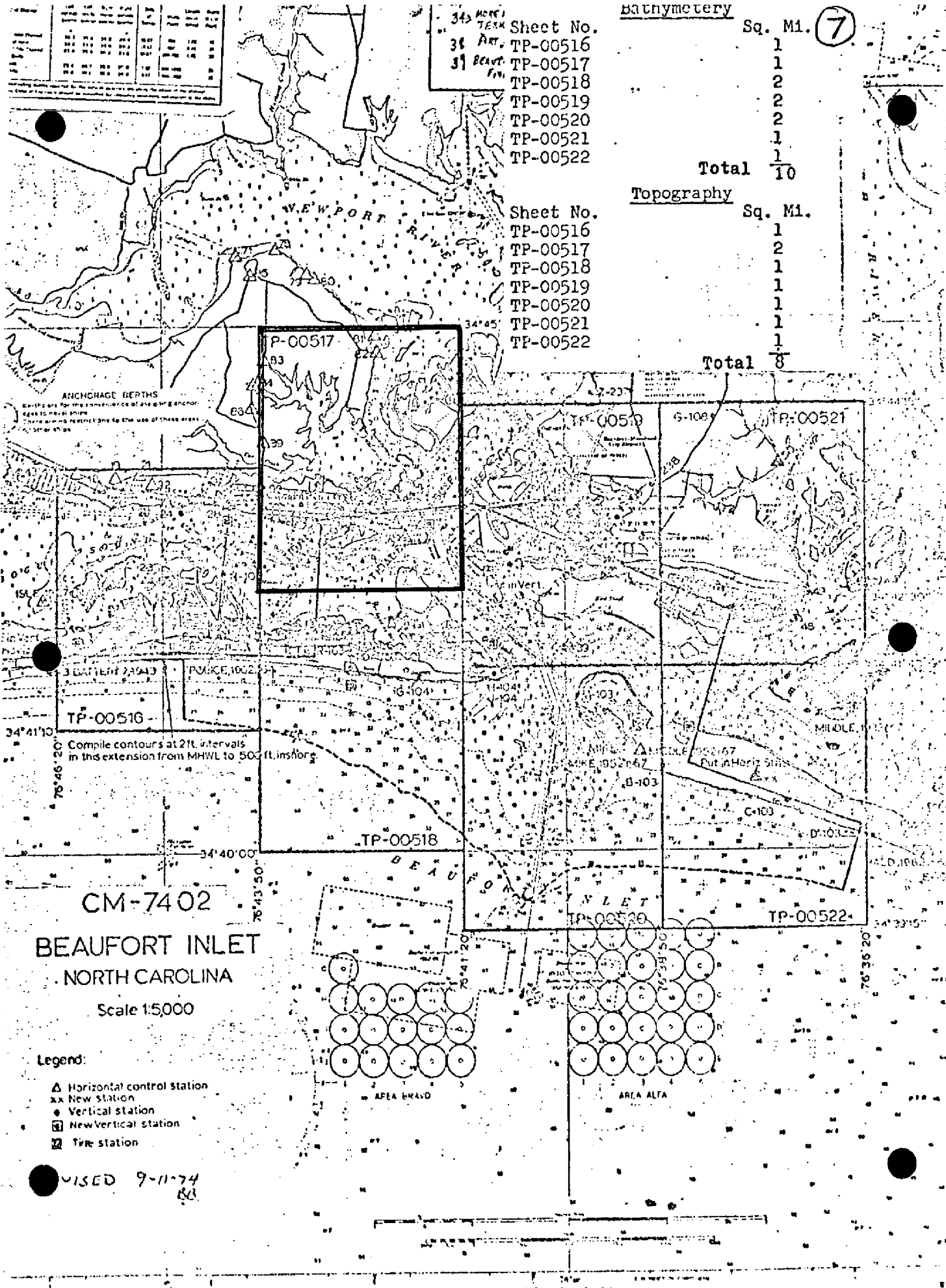
III. FEDERAL RECORDS CENTER DATA

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----



SUMMARY
TP-00516 thru TP-00522

Under a cooperative agreement with the Corps of Engineers, Wilmington District, which became effective August 1973, these seven maps (TP-00516 thru 522) were compiled at 1:5,000 scale in the area of Beaufort Inlet, North Carolina.

The purpose of this special survey is to provide data for the Corps of Engineers on siltration rates in the entrance channel and harbor complex, possible impacts of entrance channel deepening on adjacent beaches, possible changes effected by dredging on the tidal prism and the circulation pattern, to update and establish tidal datums, and to update nautical charts in the area.

Field operations, which began in October 1973, generally consisted of aerial photography, establishment of tidal datums, pre-marking of horizontal and vertical control, and field edit.

Aerotriangulation and compilation tide-coordinated photography was furnished at 1:7,500 scale from natural color film taken with the Wild RC-10 super-wide-angle camera. Supplemental black-and-white infrared tide-coordinated photography at 1:4,300 scale, taken concurrently in an independent mode using color infrared film in the RC-8 camera, was also furnished.

Nine strips of the 1:7,500 scale photography were bridged by analytic aerotriangulation methods and adjusted to ground with the block adjustment program. Fourteen horizontal control stations, fifteen vertical control stations, and fifteen vertical points from the tide-coordinated infrared photography were weighted in the block adjustment. This provided horizontal and vertical control for compilation.

Compilation photography was the 1:7,500 scale photography and the supplemental infrared photography. The Wild B-8, using the 1:7,500 scale photography was used to compile planimetry, topography, and photobathymetry. The topography consists of 2-foot interval contours and spot elevations referred to the National Geodetic Vertical Datum of 1929. The photobathymetry consists of discrete soundings and 2-foot interval depth curves referred to the Mean Low Water Datum established by NOS.

All line work is smooth compilation drafting.

One plastic copy and ten ozalid copies of each map was furnished to:

Department of the Army
Wilmington District, Corps of Engineers
P.O. Box 1890
Wilmington, North Carolina 28401
ATTN: Mr. R.P. Masterson, Jr.

A Chart Maintenance Print for each map was submitted to the Marine Chart Division.

The following items are registered in the Bureau Archives:

1. A plastic copy of each map (1:5,000 scale).
2. A Descriptive Report for each map.

Negatives for each map are filed in the Reproduction Division.

All field data are filed in the National Archives.

FIELD INSPECTION

TP-00517

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project. [^]
and vertical

Photogrammetric Plot Report
Beaufort Inlet, North Carolina
CM-7402
May 1974

21. Area Covered.

This report pertains to seven sheets in the vicinity of Beaufort Inlet, North Carolina. The sheets are TP-00516 thru TP-00522.

22. Method.

Nine strips (see sketch) of 1:7,500 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground with the block adjustment program. Points were established for determining ratios of 1:4,300 scale infrared support photography. Sufficient points were plotted by the Coradomat for setting models for compilation. These points were plotted in the North Carolina State Plane Coordinate System.

23. Adequacy of Control.

The control was adequate. Fourteen horizontal control stations were weighted in the block adjustment. The largest residual in the fit to horizontal control was .4 foot.

Fifteen vertical control targets were weighted. The largest residual in the fit to these targets was one-half foot. In addition to these targeted points, thirty-nine vertical control points were established from the tide-related infrared photography. Fifteen of these points were weighted in the block adjustment. The largest residual in the fit to control of all thirty-nine points was 1.28 feet. This point was in the critical area as were three other points with residuals greater than 1 foot. The average residual of non-weighted vertical points in the critical area was .54 foot.

24. Supplemental Data. - None was used.

25. Photography.

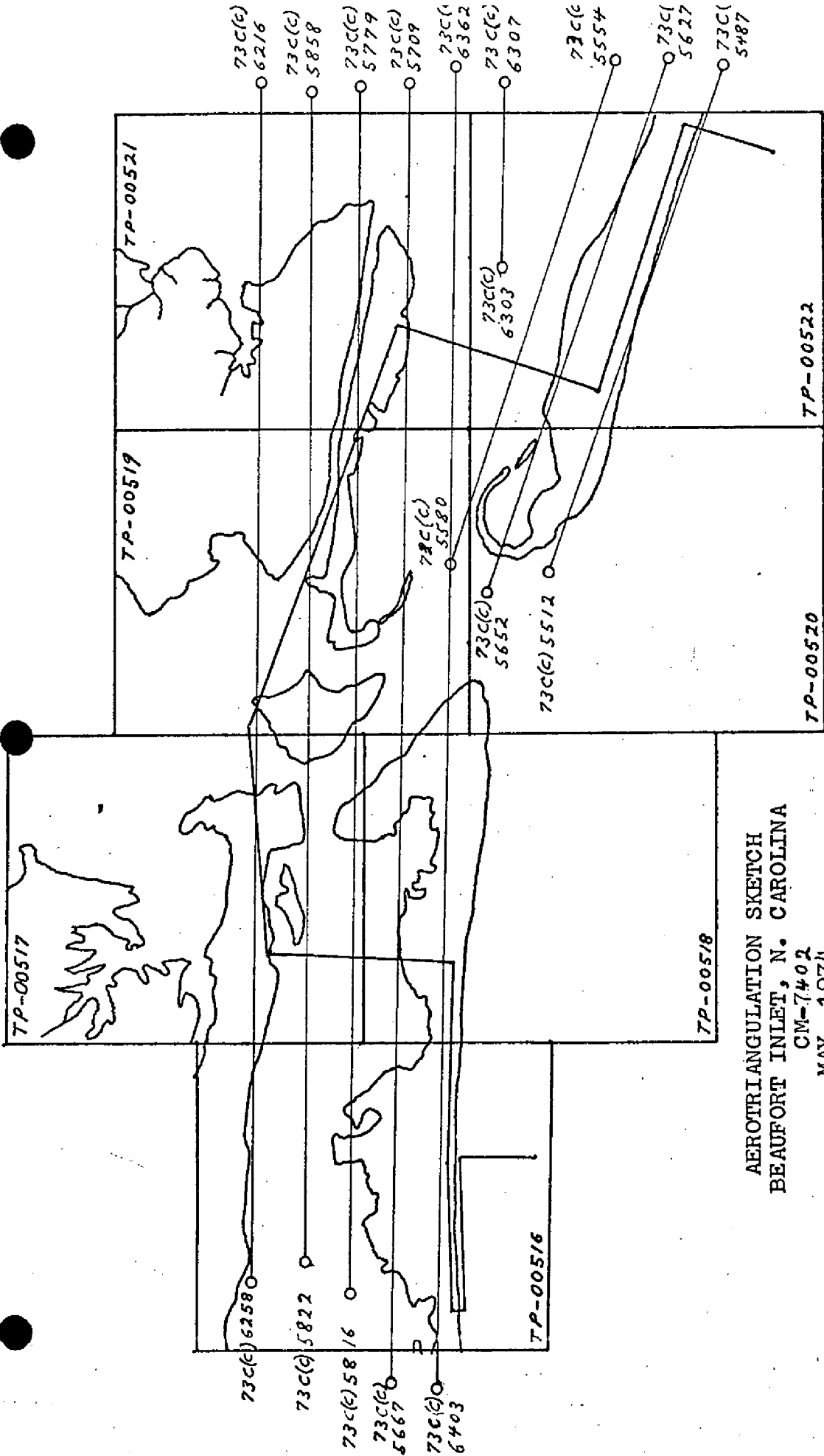
There was a noticeable scale difference on the edge of adjacent photographs. This produced some error in measurement that could not be compensated for.

Submitted by,

Don O. Norman
Don O. Norman

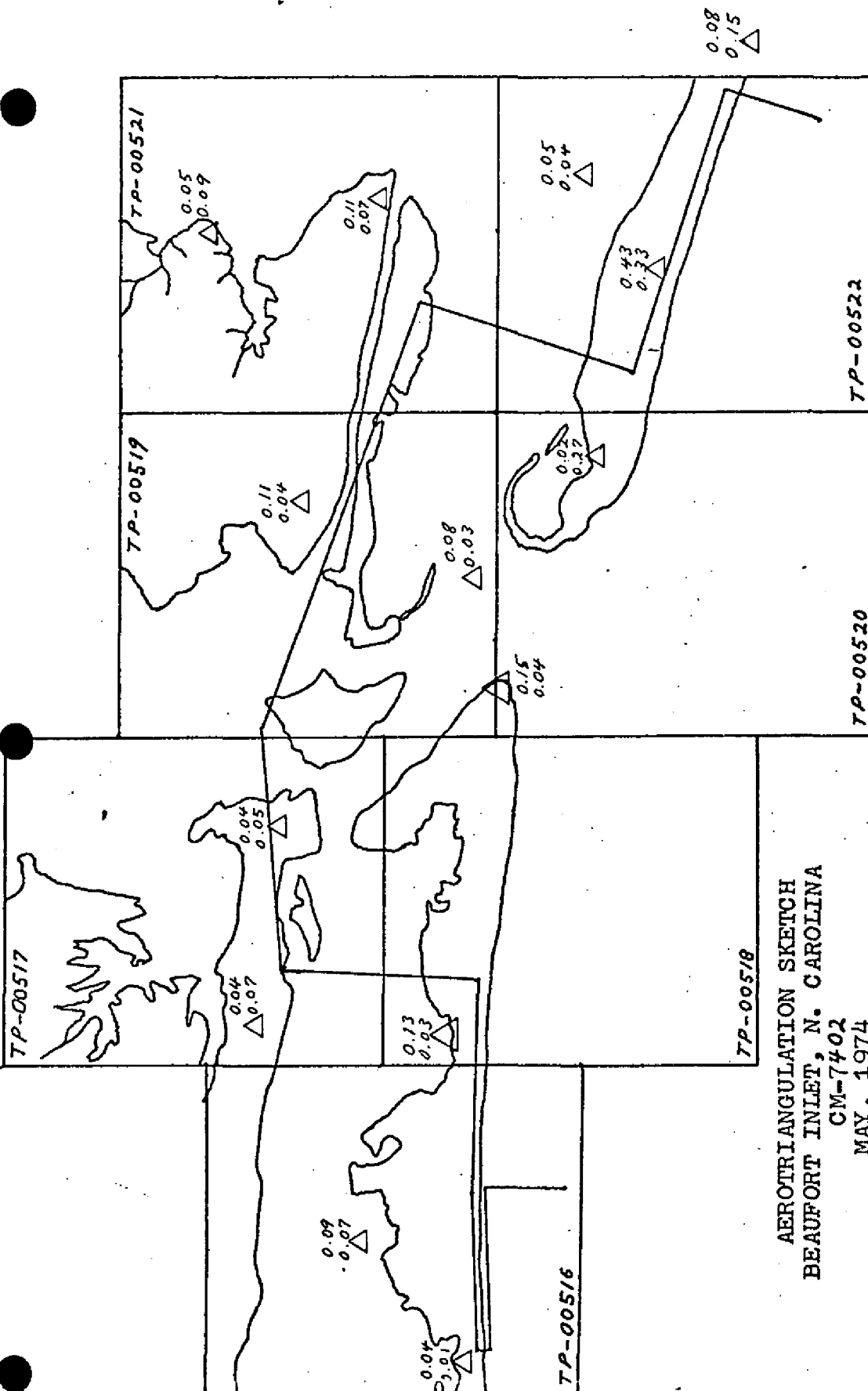
Approved by:

John D. Perrow, Jr.
John D. Perrow, Jr.



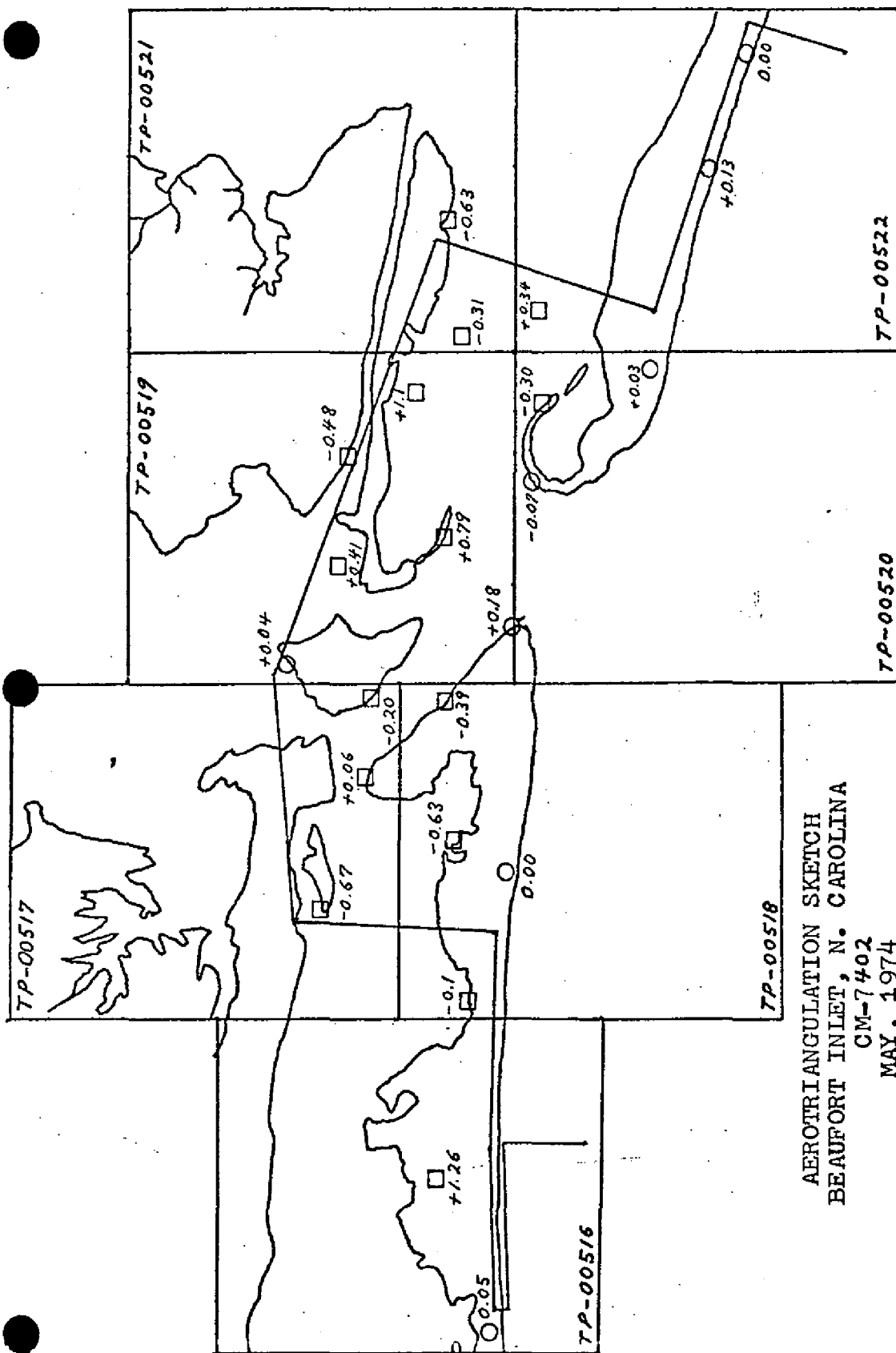
AEROTRIANGULATION SKETCH
 BEAUFORT INLET, N. CAROLINA
 CM-7402
 MAY, 1974

Bridging Photography



AEROTRIANGULATION SKETCH
BEAUFORT INLET, N. CAROLINA
CM-7402
MAY, 1974

△ Horizontal Control



AEROTRIANGULATION SKETCH
 BEAUFORT INLET, N. CAROLINA
 CM-7402
 MAY, 1974

Vertical Control
 O targets, weighted in block
 □ points from infrared photography

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- IP-00517 PROJECT NO. CM-7402 SCALE OF MAP 1:5,000 SCALE FACTOR _____

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	X Y N E A T H U D E - O R - C O O R D I N A T E S (N E A T H U D E - O R - C O O R D I N A T E S I N M E T E R S (1 I N C H = 2.54 C M = 0.0254 M = 1.0)	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION IN METERS (1 IN. = 3048006 meter)
MOREHEAD CITY STATE	N.C. VOL. III	MA, 1927	2, 621, 122.07	
PORT TERMINAL TANK, 1967	Page 3029		360, 874.85	
* MOREHEAD CITY	N.C. VOL. III	"	2, 688, 384.27	
STANDPIPE, 1913	Page 3027		361, 403.74	
* MOREHEAD CITY PORT	N.C. VOL. III	"	2, 691, 183.78	
TERMINAL TALLER TANK, 1962	Page 3029		359, 836.53	
MOREHEAD CITY PORT	N.C. VOL. III	"	2, 692, 163.13	
* TERMINAL SHORTER TANK, 1943	Page 3028		360, 547.03	
MOREHEAD CITY FRY ROOF	N.C. VOL. III	"	2, 690, 568.68	
* COMPANY WATER TANK, 1952	Page 3030		360, 570.69	
MOREHEAD CITY FRY ROOF	N.C. VOL. III	"	2, 690, 325.87	
* COMPANY STACK, 1952	Page 3030		360, 610.11	
MOREHEAD CITY FIRST	N.C. VOL. III	"	2, 686, 723.60	
* METHODIST CHURCH SPIRE, 1952	Page 3031		361, 658.67	
* Stations not shown on	manuscript			
COMPUTED BY	DATE	CHECKED BY	DATE	
		M. Mc Ginley	February 2, 1974	(15)

Compilation Report

TP-00517

31. Delineation

The map was compiled on the Wild B-8 stereoplotter using the 1:7,500 scale color photography. Black-and-white ratio photos, taken concurrently on color infrared film, were used graphically to supplement compilation of the mean low water line.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data - None34. Contours and Drainage

Inconsistent color tone qualities of the photography impeded compilation of the contours. Areas of questionable contour accuracy were referred to the field editor for verification.

The mean high water line and the 2-foot contour vary in elevation by 0.4 of a foot or less and are nearly coincident in some areas. Where coincidence occurs, both lines are combined and delineated with the mean high water line symbol.

All significant drainage was compiled.

35. Shoreline and Alongshore Details

There was no preliminary field inspection of the shoreline.

The mean high water line and the mean low water line were compiled on the B-8 stereoplotter using contour compilation methods. Control data for this compilation was furnished by field methods and the photogrammetric plot.

Shoal areas were delineated from office interpretation of the photography and referred to the field editor.

36. Offshore Details and Photobathymetry

All discrete underwater depths (soundings), 2-foot interval underwater contours (depth curves), and all other pertinent offshore details were compiled on the B-8 stereoplotter. Areas of questionable compilation accuracy were referred to the field editor and/or the hydrographic party for verification.

Suspended silt limited photobathymetry to the 4-foot depth curve and isolated depths to approximately 8 feet.

37. Landmarks and Aids

All landmarks and nonfloating aids, identifiable on the photography, were delineated and labeled with descriptive names only, i.e., light, beacon, marker, etc.

Forms 76-40 were not prepared. All positions of landmarks and nonfloating aids will be forwarded to the Marine Chart Division with Job CM-7219, which is a part of project SCOPE.

38. Control for Future Surveys - None

39. Junctions

Refer to Form 76-36B, item #5, submitted with this Descriptive Report.

40. Horizontal and Vertical Accuracy

This map complies with National Map Accuracy Standards.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

A comparison has been made with USGS quadrangle of Beaufort, NC, scale 1:24,000, edition of 1949, photorevised in 1971.

47. Comparison with Nautical Charts

A comparison has been made with the following Nautical Charts:

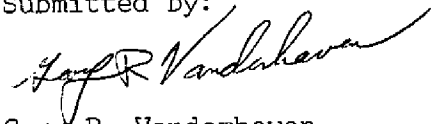
Chart 420, scale 1:40,000, 42nd edition, Feb. 16, 1974

Chart 423, scale 1:12,500, 14th edition, Dec. 8, 1973

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by:



Gary R. Vanderhaven
Sept. 4, 1974

Approved for forwarding:



J.W. Vonasek
Chief, Special Projects Section, AMC

Approved:



V.E. Serena
Chief, Photogrammetric Branch, AMC

49. NOTES FOR THE HYDROGRAPHER

An ozalid copy of this map was furnished to the hydrographic party and labeled "Discrepancy Print for the Hydrographer". All notes for the Hydrographer were applied to this print.

FIELD EDIT REPORT
JOB: CM 7402
BEAUFORT INLET, N.C.
MAP TP-00517

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 deviations in the compilation of shoreline or features were noted.

At the east edge of the map, on the west shore of Radio Island, a submerged rip rap bulkhead was noted. The rip rap wall is completely submerged at MHW and the marsh area behind it appears as apparent shoreline. The in-shore edge of the rip rap forms the western edge of the marsh and this should be mapped as apparent shoreline.

The four "dolphins" near the large pier on the west shore of Radio Island are actually concrete mooring platforms with large bollards on top. The "pier and bulkhead under construction" to the southeast of this pier are now completed. The pier must have been nearly complete at the time of photography as it appears exactly as photographed. The bulkhead has been completed also and the area behind it filled. A short wall has been built at right angles to the southeasterly end of the bulkhead to the existing shoreline.. One new "mooring platform" was found to be extant just north of the new pier and the "dolphin" to the southeast is also a mooring platform.

Two "dolphins" at latitude $34^{\circ} 42.7'$, longitude $76^{\circ} 41.5'$, are actually buoys. They were deleted from the field edit ozalid.

The marsh limits on Sugarloaf Island were, for the most part, correctly delineated. One small pond in the marsh was not mapped. There is no "grass in water", except for one small patch, near the west end of Sugarloaf Island. The areas delineated are actually grass spots on the bottom.

Two or three small oyster bars were found to be extant near Sugarloaf Island. They were located on the appropriate photograph and indicated, with cross-reference, on the field edit ozalid.

Two points of elevation were located on Sugarloaf Island, one by photogrammetric methods, the other by resection. Both points were indexed on form 76-53 and indicated on the field edit ozalid, as were the bench marks used in establishing the elevations..

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There was no requirement for landmarks or non-floating aids for this project..

57. Rocks, Reefs, and Shoals


There are no rocks or reefs, as defined, within the compiled limits of this map. Some spoil areas near the south center edge of the sheet might loosely be defined as shoals. They were adequately mapped and the delineation was accepted as compiled..

58. Photography

Photography consisted of 1:5000 color ratio prints and was very good. The photography was not prepared for office use.

59. Disposition of Data

The field edit ozalid, the color ratio photography, and all field edit data were forwarded to the Director, Atlantic Marine Center.


Richard E. Kesselring
Surveying Technician
Photo Party 62

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363

1. PROJECTION AND GRIDS BK	2. TITLE BK	3. MANUSCRIPT NUMBERS BK	4. MANUSCRIPT SIZE BK
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY BK	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA	7. PHOTO HYDRO STATIONS NA	
8. BENCH MARKS BK	9. PLOTTING OF SEXTANT FIXES NA	10. PHOTOGRAMMETRIC PLOT REPORT NA BK	11. DETAIL POINTS NA
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE BK	13. LOW-WATER LINE BK	14. ROCKS, SHOALS, ETC. BK	15. BRIDGES BK
16. AIDS TO NAVIGATION NA BK	17. LANDMARKS NA BK	18. OTHER ALONGSHORE PHYSICAL FEATURES BK	19. OTHER ALONGSHORE CULTURAL FEATURES BK
PHYSICAL FEATURES			
20. WATER FEATURES BK	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS BK	24. CONTOURS IN GENERAL BK	25. SPOT ELEVATIONS BK	26. OTHER PHYSICAL FEATURES BK
CULTURAL FEATURES			
27. ROADS BK	28. BUILDINGS BK	29. RAILROADS BK	30. OTHER CULTURAL FEATURES BK
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES BK	34. JUNCTIONS BK		35. LEGIBILITY OF THE MANUSCRIPT BK
36. DISCREPANCY OVERLAY BK	37. DESCRIPTIVE REPORT BK	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS BK
40. REVIEWER <i>Bernard Kurs</i> Bernard Kurs		SUPERVISOR, REVIEW SECTION OR UNIT <i>J. W. Vonasek</i> J. W. Vonasek	
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>Jerry L. Hancock</i> Jerry L. Hancock		SUPERVISOR <i>Joseph W. Vonasek</i> Joseph W. Vonasek	
43. REMARKS			

Review Report
Photogrammetric Bathymetry
and Topographic Map TP-00517
May 1976

61. General Statement

The map was reviewed in its Class I (field edit applied) stage by the Quality Control Group. The Descriptive Report contains all of the pertinent information which may be required by users of this map.

62. Comparison with Registered Topographic Surveys - None

63. Comparison with Maps of Other Agencies

Refer to Compilation Report, Item #46.

64. Comparison with Contemporary Hydrographic Surveys

Photobathymetry is a component part of the map. A copy of the map was furnished the hydrographic party to provide support for a standard hydrographic survey. The hydrographic survey was accomplished in all areas not covered by photobathymetry. Sounding lines were run to evaluate the photobathymetry and to resolve questions noted by the compilation office.

The Officer-in-Charge, Atlantic Hydrographic Party, had the final authority and responsibility for resolving discrepancies, if any, between hydrographic and photogrammetric data. All accepted photobathymetry was transferred to the smooth sheets and identified as such by the hydrographer.

A comment is carried on the map as follows: Depths on this map may not be final. Refer to contemporary hydrographic surveys of the area for combined photobathymetry and hydrography.

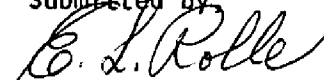
65. Comparison with Nautical Charts

Refer to Compilation Report, Item #47.

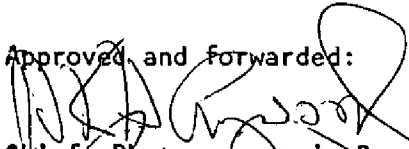
66. Adequacy of Results and Future Surveys

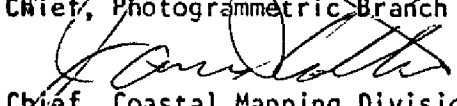
This map meets the National Standards of Map Accuracy and complies with Compilation Instructions and Bureau requirements.

Submitted by


E. L. Rolle

Approved and forwarded:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division

3 June 1975

GEOGRAPHIC NAMES

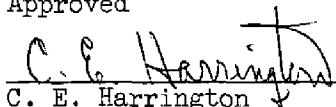
FINAL NAME SHEET

CM-7402 (Beaufort Inlet, N. C.)

TP-00517

Atlantic and EasthCarolina (RR)	Radio Island
Bogue Banks	Sandy Point
Bogue Sound	Shingle Point
Beaufort and Morehead (RR)	Sugar Loaf Island
Calico Creek	The Causeway
Calico Creek Marsh	Willis Creek
Crab Point	Yacht Basin
Crab Point Bay	
Crab Point Neck	
Crab Point Thorofare	
Harbor Channel	
Morehead City	
Morehead City Channel	
Newport Marshes	
Newport River	
Phillips Island	
Piggotts Bridge	

Approved


C. E. Harrington
Staff Geographer-C51x2

TP-00517
National Archives Data

- 1 Discrepancy Print for the Field Editor
- 2 Form C&GS-152
- 3 NOAA Form 76-53
- 1 Sketch (location of six piles)

Photography:

73C(C)5832, 5834, 5836, 5838, and 5840