

TP 00522

TP-00522

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-00522.....

Classification No. Final Edition No.1.....

Field Edited Map

LOCALITY

StateNorth Carolina.....

General Locality ..Beaufort Inlet.....

LocalityShackleford Banks.....

19 73 TO 19 74

REGISTRY IN ARCHIVES

DATE

TYPE OF SURVEY

SURVEY TP. 00522

DESCRIPTIVE REPORT - DATA RECORD

☒ ORIGINAL

MAP EDITION NO. (1)

☐ RESURVEYMAP CLASS Final☐ REVISEDJOB 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

General Instructions - Office -
5/10/74

Amendment No. 1 8/10/74

2. FIELD

Photography (Special Bathymetry
and Topo.) 10/23/73

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 METHOD: Block Adj. LANDMARKS AND AIDS BY		D.O. Norman N.A.	5/74
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp CHECKED BY		D.O. Norman N.A.	5/74
3. STEREOSCOPIC INSTRUMENT <u>Contours</u> PLANIMETRY BY COMPILATION CHECKED BY		G.R. Vanderhaven Shands, Hancock, Byrd	7/74
INSTRUMENT: B-8 <u>Photobathymetry</u> CONTOURS BY		G.R. Vanderhaven	7/74
SCALE: 1:3,000 <u>Pantographed to</u> CHECKED BY		Shands, Hancock, Byrd	7/74
4. MANUSCRIPT DELINEATION 1:5,000 <u>Contours</u> PLANIMETRY BY		J. Hancock	7/74
CHECKED BY		B. Kurs	8/74
METHOD: <u>Smooth Compilation</u> <u>Photobathymetry</u> CONTOURS BY		J. Hancock	7/74
Drafting 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
6. APPLICATION OF FIELD EDIT DATA BY		J. Hancock	10/74
CHECKED BY		B. Kurs	11/74
7. COMPILATION SECTION REVIEW BY		B. Kurs	11/74
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-00522

2

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10, RC-8		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) <u>COLOR</u> (P) PANCHROMATIC (I) <u>INFRARED Color</u>		ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
73C(C)5501, 5503, 5505, 5507	11/7/73	10:28-10:34	1:7500	+0.50*MLW(ATLANTIC BEACH)	
73C(C)5574-5575	11/7/73	10:54-10:59	1:7500	+0.81*MLW(BEAUFORT INLET, CHANNEL RANGE Lt)	
73C(C)5633, 5635, 5637, 5639, 5641, 5643, 5645, 5647	11/7/73	11:17-11:21	1:7500	+0.91*MLW " "	
73E(I)1274R-1283R	11/7/73	10:30-10:34	1:4300	+0.50*MLW(ATLANTIC BEACH)	

REMARKS

~~Infra-red photography ratioed to 1:5,000~~** Refer to the following
Page for additional
tidal information.*

2. SOURCE OF MEAN HIGH-WATER LINE:

~~The elevation of the MHW line above NGVD in each tide zone was used to delineate it using the color photography listed above.~~*The source of the MHW 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 in the B-8 to delineate it from the color photography listed above, supplemented by use of the B&W infrared ratios along the ocean.~~~~On the estuarine shore, the low water line was determined using color photography, in the Wild B-8, and the tide data for tidal zone V.~~*The source of the MLW line is the tide coordinated color photography and black and white ratios of the color infrared 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

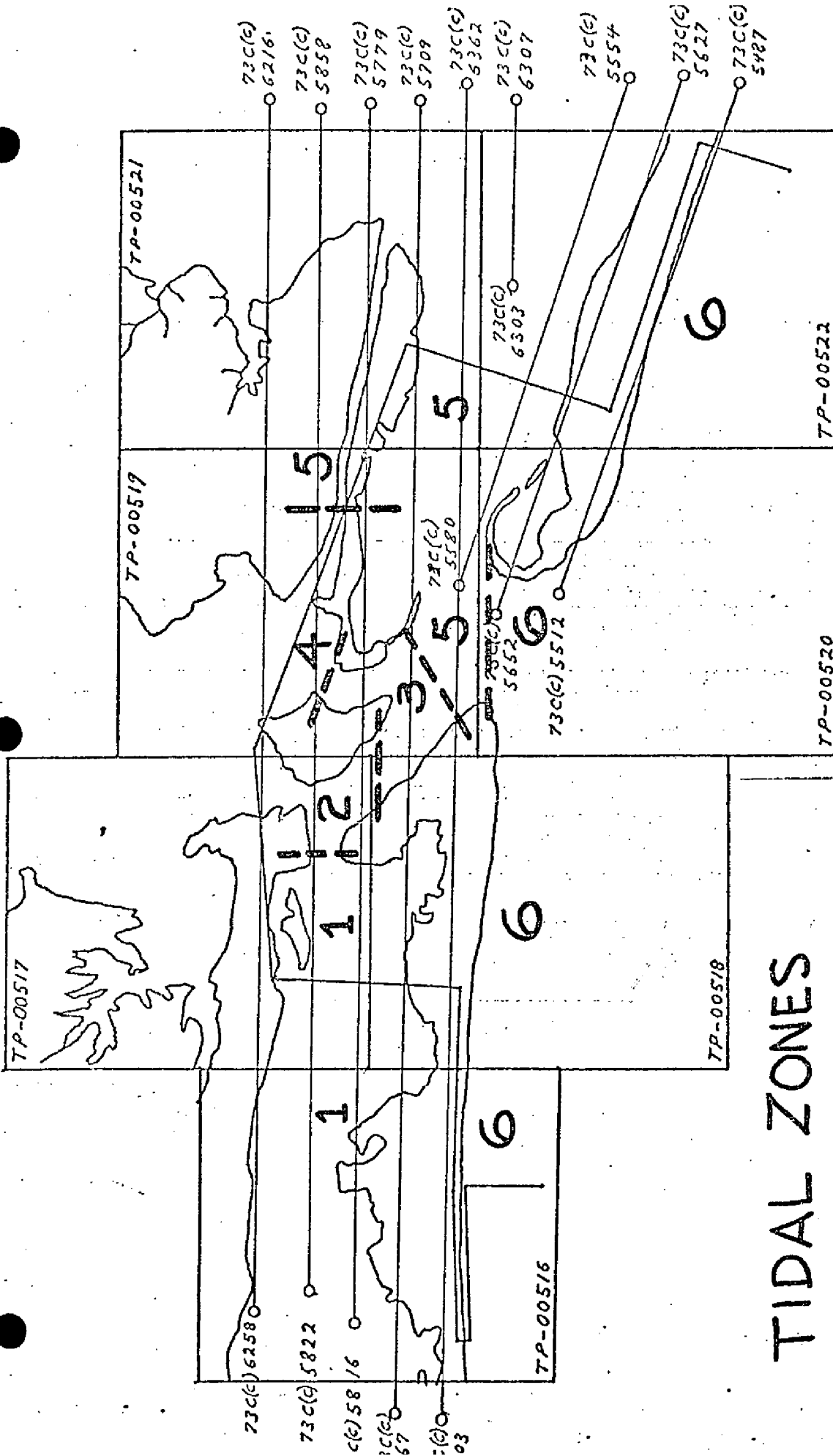
NORTH	EAST	SOUTH	WEST
TP-00521	None	None	TP-00520

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

TP-00522
TIDE INFORMATION

③

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)		STAGE OF TIDE Feet	MEAN RANGE Feet
	TIDE STATION	TIDAL ZONE*		
73C(C)5501-5507	Atlantic Beach	6	+0.50MLW	3.76
73C(C)5574-5575	Beaufort Inlet Channel Range	5	+0.81MLW	3.26
73C(C)5633-5647	Beaufort Inlet Channel Range	5	+0.91MLW	3.26
73E(I)1274R-1283R	Atlantic Beach	6	+0.50MLW	3.76
*Refer to the following page for a Tidal Zone Diagram.				



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

ESSA FORM 76-36c
(2-70)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. S. Tibbetts	Oct. 73 Sept. 74 Oct. 1973
2. HORIZONTAL CONTROL	RECOVERED BY R. D. Black	" " "
	ESTABLISHED BY " " "	" "
	PRE-MARKED OR IDENTIFIED BY " " "	" "
3. VERTICAL CONTROL	RECOVERED BY " " "	" "
	ESTABLISHED BY " " "	" "
	PRE-MARKED OR IDENTIFIED BY " " "	" "
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 BY <input checked="" type="checkbox"/> SPECIFIC NAMES ONLY <input type="checkbox"/> NO INVESTIGATION	R. E. Kesselring Sept. 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
2-Middle 1933; New Station 19732. VERTICAL CONTROL IDENTIFIED Pre-mark
3

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details) Field Edit
730(C) 5645; 730(C) 56474. 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 ☒ NONE7. SUPPLEMENTAL MAPS AND PLANS
None

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

None

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

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		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

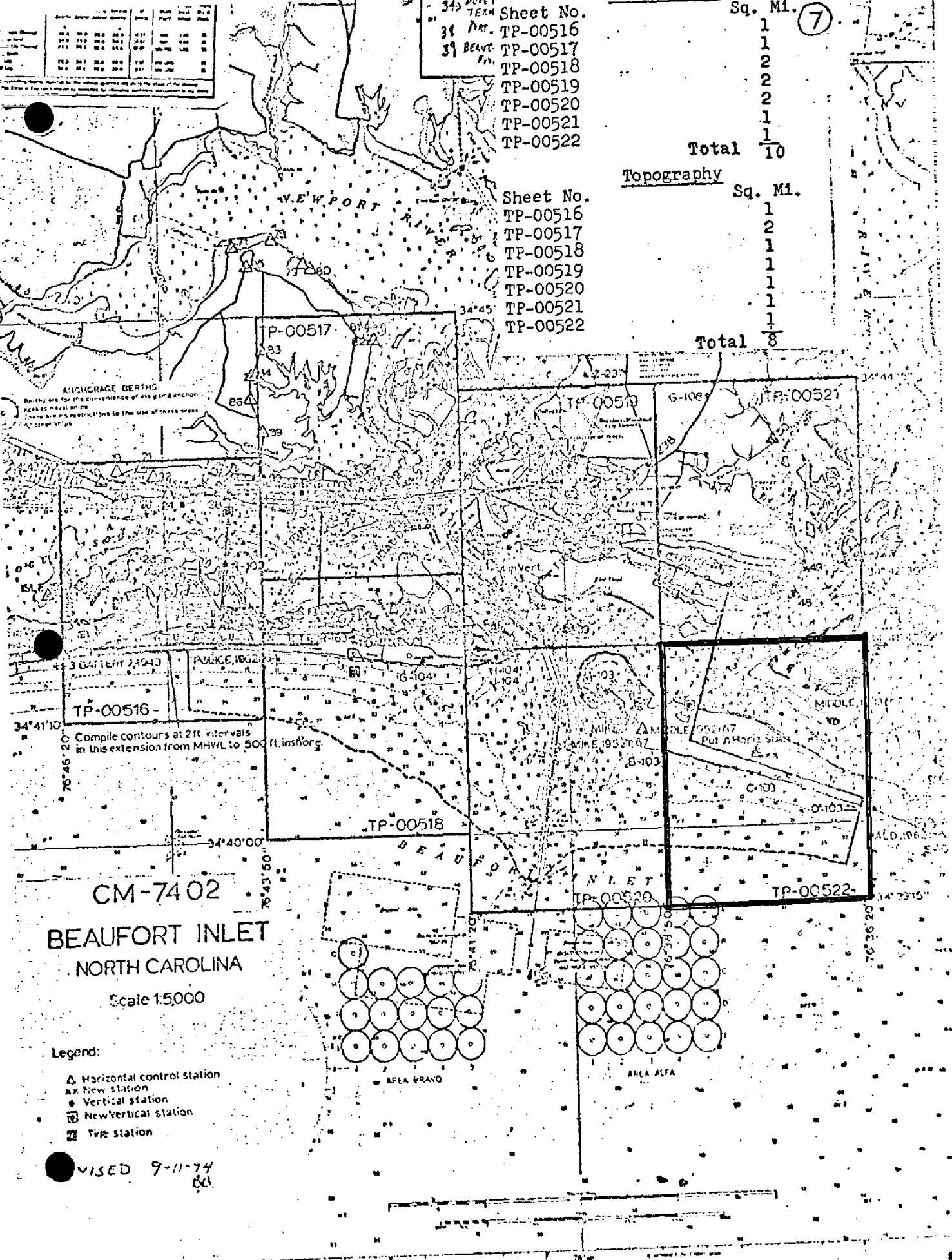
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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 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	

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
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Sheet No.
TP-00516
TP-00517
TP-00518
TP-00519
TP-00520
TP-00521
TP-00522

Sq. Mi. ⑦
1
1
2
2
2
1
1
Total 10

Topography

Sheet No.
TP-00516
TP-00517
TP-00518
TP-00519
TP-00520
TP-00521
TP-00522

Sq. Mi.
1
2
1
1
1
1
1
Total 8

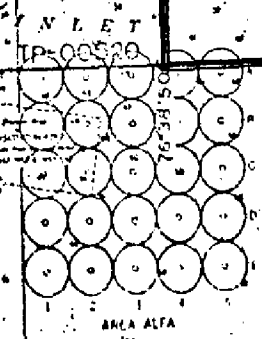
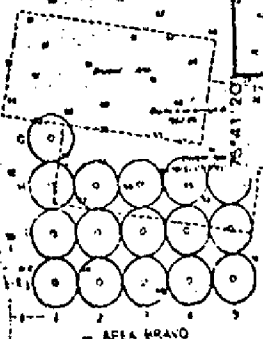
ANCHORAGE BERTHS
Berths are for the convenience of all gulf anchor
boats to moor and
There are no restrictions to the use of these berths
except as noted

Compile contours at 2 ft. intervals
in this extension from MHWL to 500 ft. inshore

CM-74 02
BEAUFORT INLET
NORTH CAROLINA
Scale 1:5,000

- Legend:
- △ Horizontal control station
 - AX New station
 - Vertical station
 - ⊠ New vertical station
 - ⊡ Tide station

REVISED 9-11-74



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-00522

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. ^A
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.

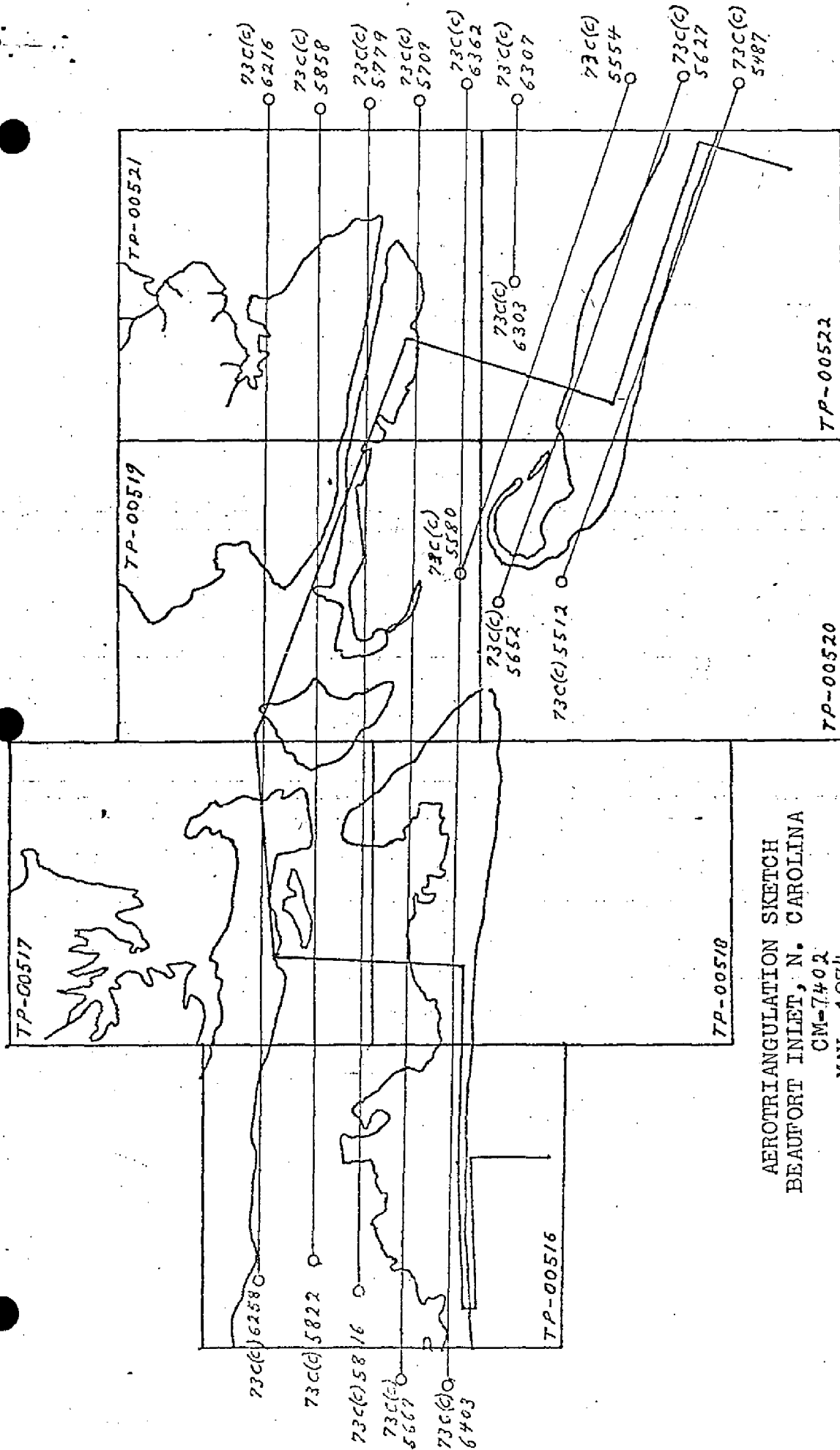
Submitted by,

Don O. Norman

Don O. Norman

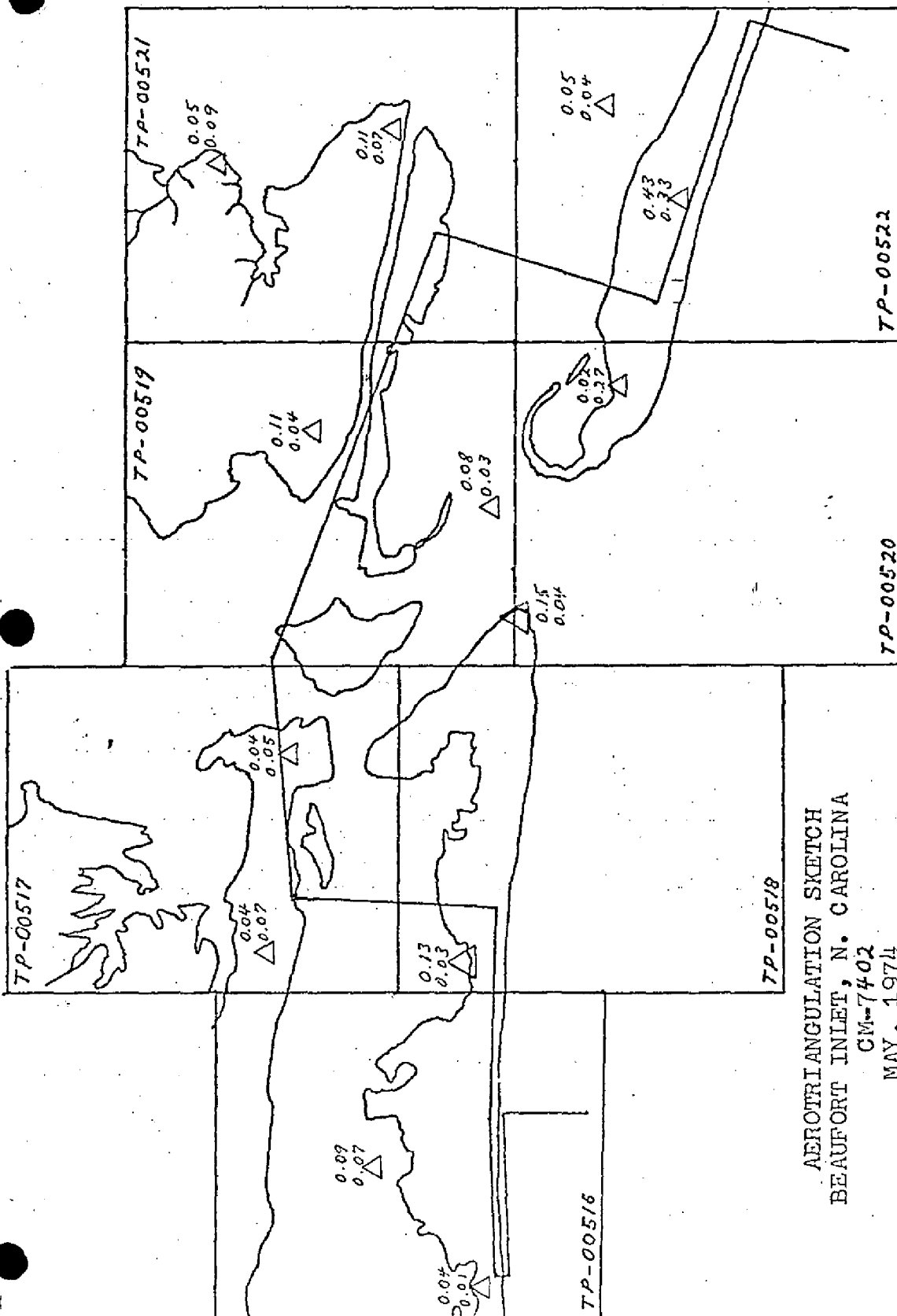
Approved by:

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

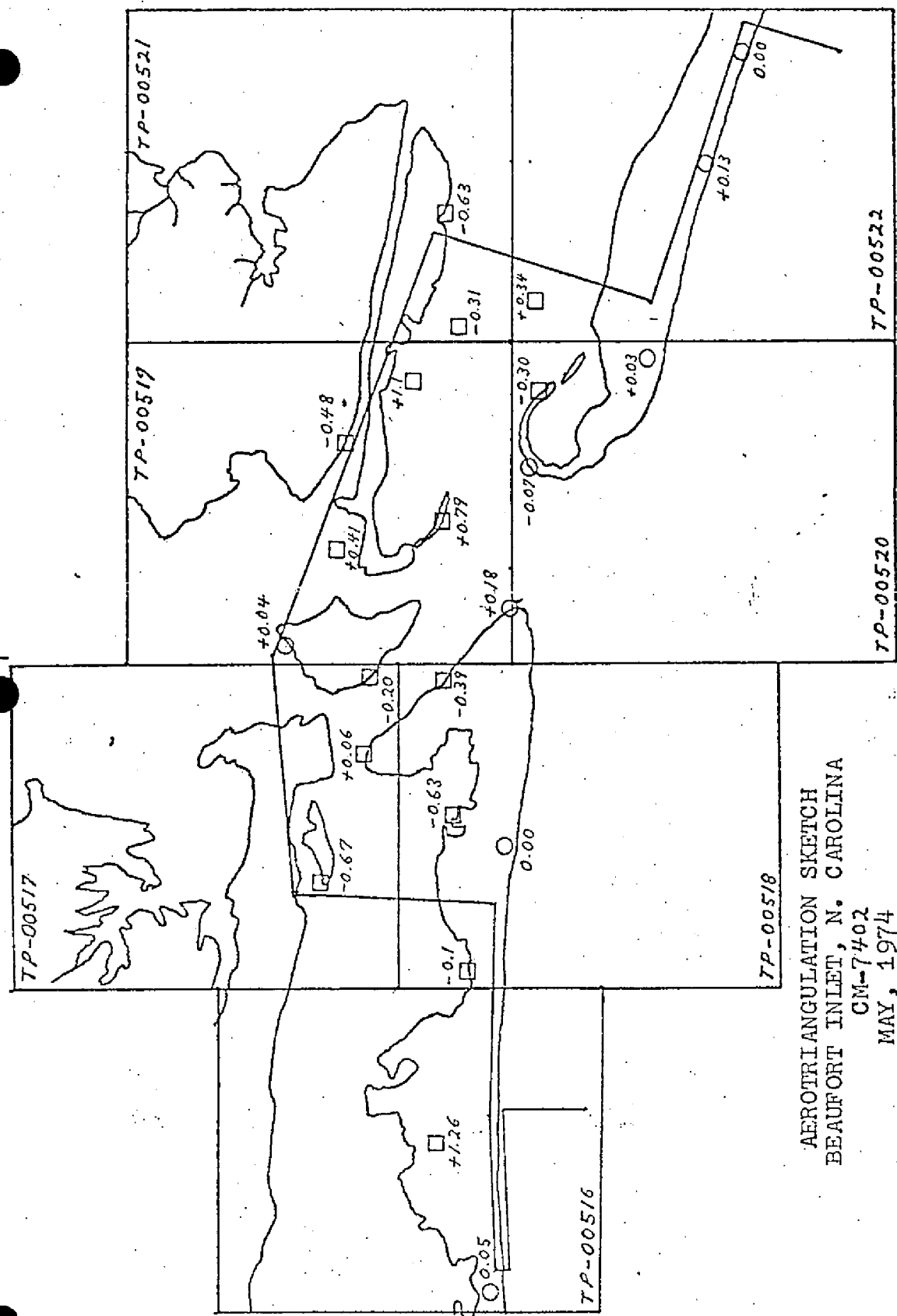


AEROTRIANGULATION SKETCH
 BEAUFORT INLET, N. CAROLINA
 CM-7402
 MAY, 1974

Bridging Photography



△ Horizontal Control



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

DESCRIPTIVE REPORT CONTROL RECORD

MAP T-TP-00522 PROJECT NO. CM-7402 SCALE OF MAP 1:5,000 SCALE FACTOR _____

[illegible]

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 - None

34. Contours and Drainage

Although inconsistent color tone qualities of the photography impeded contour compilation, it had little or no effect on contour accuracy.

In areas where the mean range of tide is greater than the contour interval, the 2 foot contour is delineated below the mean high water line. In areas where the 2 foot contour line and the mean high water line are nearly coincident, 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.

Photobathymetry was limited on the ocean side of Shackleford Banks by the surf.

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 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 the following 1:24,000 scale USGS quadrangles:

Beaufort, NC, edition of 1949, photorevised 1971

Harkers Island, NC, edition of 1951, photorevised 1971

47. Comparison with Nautical Charts

A comparison has been made with the following nautical charts:

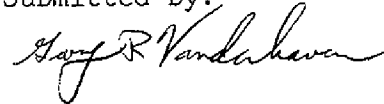
Chart 420, scale 1:40,000, 42nd edition, Feb. 16, 1974

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:



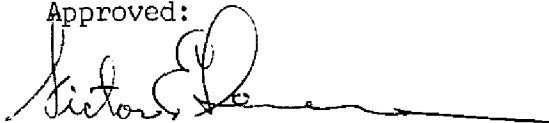
G.R. Vanderhaven
Sept. 4, 1974

Approved for forwarding:



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

Approved:



V.E. Serena
Chief, Photogrammetric Branch, AMC

TP-00522

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-00522

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 serious or significant deviations were noted during field edit. An extensive marsh area was overlooked as were some "oysters in the foreshore". The "shore end" of a submerged cable, at latitude $31^{\circ} 41.2'$, longitude $76^{\circ} 38.6'$ was identified by the power pole near the beach where the line becomes elevated. The submerged cable has obviously become abandoned as the wires between the power poles are no longer extant.

No tidal bench marks were recovered near latitude $31^{\circ} 41.2'$, longitude $76^{\circ} 38.5'$. A thorough search of the area and a check with the Chief Photo Field Branch, AMC, failed to disclose evidence of any tidal bench marks in this area.

Bench marks B-103, C-103 and D-103 were also searched for but not recovered. Vertical control panels in the vicinity of these bench marks were titled "panel B-103", etc. but the elevations were leveled from station Mike 1952.

54. Recommendations

There are no recommendations.

55. Examination of Proof Copy

Geographic Names

A geographic names investigation was requested for one specific name "Mullet Pond". Mullet Pond is now a large marsh filled with cattails and reeds. The only open water left was correctly compiled, but the name applies to the entire marsh area. The limits of the marsh were outlined on the color photographs and indicated, with the appropriate cross-reference, on the field edit ozalid. Mr. James Willis of NMFS at Pivers Island, Beaufort, N.C. was the authority consulted for this name.

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 the map. Two shoals, near the northwesterly corner of the sheet were compiled by photobathymetry. The limits and depths were 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, color ratio photography, and all field edit data were forwarded to the Director, Atlantic Marine Center..


Richard E. Kesselring
Surveying Technician
Photo Party 62

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NOAA FORM 75-74
(2-74)U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T P-00522

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 NA
16. AIDS TO NAVIGATION NA	17. LANDMARKS NA	18. OTHER ALONGSHORE PHYSICAL FEATURES BK	19. OTHER ALONGSHORE CULTURAL FEATURES BK
PHYSICAL FEATURES			
20. WATER FEATURES BK		21. NATURAL GROUND COVER NA BK	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 NA	30. OTHER CULTURAL FEATURES NA
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-00522
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-00522

Back Sound

Big Shoal Marsh

Middle Marshes

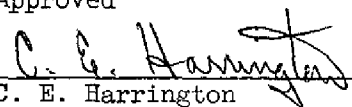
Mullet Pond

Onslow Bay

Shackleford Banks

Shackleford Slough

Approved


C. E. Harrington
Staff Geographer-C51x2

TP-00522
National Archives Data

I Discrepancy Print for the Field Editor

Photography:

73C(C)5645 and 5647