

TP-00673

TP-00673

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-7218 Map No. TP-00673

Classification No. Edition No. 1

Field Edited Map

LOCALITY

State North Carolina

General Locality Lower Cape Fear River

Locality Mott Creek

19 72 TO 19 75

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ORIGINAL
- RESURVEY
- REVISED

SURVEY TP. 00673

MAP EDITION NO. (1)
MAP CLASS Final(F.E.)
JOB XRM-CM-7218

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

2. FIELD

Part I
Compilation - Feb. 27, 1973

Part II
Aerotriangulation - Mar. 7, 1974
Compilation - Jul. 15, 1974

Oct. 5, 1973

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

Polyconic

4. GRID(S)

STATE
North Carolina

ZONE

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS	NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY M. McGinley	None
LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp.	PLOTTED BY R. Robertson	Jul., 1974
	CHECKED BY R. Robertson	Jul., 1974
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY R.R. White	Sep., 1974
	CHECKED BY L.O. Neterer	Sep., 1974
INSTRUMENT: Wild B-8	CONTOURS BY NA	
SCALE: 1:15,000	CHECKED BY NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY I.K. Perkinson	Nov. 6/74
	CHECKED BY L.O. Neterer	Nov., 1974
METHOD: Smooth ink drafted	CONTOURS BY NA	
	CHECKED BY NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY NA	
	CHECKED BY NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY L.O. Neterer	Nov., 1974
6. APPLICATION OF FIELD EDIT DATA	BY J. Desch	Apr., 1975
	CHECKED BY F. Margiotta	Apr., 1975
7. COMPILATION SECTION REVIEW	BY F. Margiotta	Apr., 1975
8. FINAL REVIEW	BY Billy H. Barnes	Apr., 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY S. BLANKEN BAKER	SEPT. 1976
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY R.T. CATIX	SEP. 1976

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00673
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "C"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE WILMINGTON, N.C.		(C) COLOR X	(P) PANCHROMATIC	ZONE Eastern	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES	<input type="checkbox"/> REFERENCE STATION RECORDS	(I) INFRARED X		MERIDIAN 75th	<input type="checkbox"/> DAYLIGHT
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY					
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 73C(C)4530(I) - 4532(I)	12 OCT 73	09:10	1:30,000	4.3 ft. above MLW	
** 73C(C)4819(I) & 4820(I)	15 OCT 73	12:00	1:30,000	+0.2 ft. of MHW	
** 73C(C)6067(I)	10 NOV 73	13:04	1:30,000	+0.2 ft. of MLW	

REMARKS

*Bridge and compilation photos.
**Tide coordinated MHW and MLW photos are based on predicted tides.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from office interpretation of the "tide coordinated" infrared photographs listed in 1. above.

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

The mean low water line was compiled graphically from office interpretation of the "tide coordinated" infrared photographs listed in 1. above.

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	CM-7219 TP-00701	TP-00675	TP-00672

REMARKS

TP-00673

HISTORY OF FIELD OPERATIONS

1. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
i. CHIEF OF FIELD PARTY	George W. Jamerson	Feb., 1975
2. HORIZONTAL CONTROL	RECOVERED BY	NA
	ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	NA
3. VERTICAL CONTROL	RECOVERED BY	NA
	ESTABLISHED BY	NA
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY	George W. Jamerson Feb., 1975
	LOCATED (<i>Field Methods</i>) BY	George W. Jamerson Feb., 1975
	IDENTIFIED BY	George W. Jamerson Feb., 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY NA
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	NA
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED NA	2. VERTICAL CONTROL IDENTIFIED NA
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PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*) : Field Edit
73C 6068

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
No landmarks; 3 Aids to navigation

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS
1 - Film ozalid with annotations

8. OTHER FIELD RECORDS (*Sketch books, etc. DO NOT list data submitted to the Geodesy Division*)
2 - Form 76-40
~~1 - Form 76-36A~~
~~1 - Form 76-36B~~
~~1 - Form 76-36D~~

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	Nov., 1974	Class III Manuscript Superseded	4/13/75	11/13/74
Field edit applied. Compilation complete	Apr., 1975	Class I Manuscript Superseded	5/9/75	
Final Review	Apr., 1976			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		5/12/75	Nonfloating Aid for Deletion
3		5/12/75	Nonfloating Aids to be Charted

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/12/75
3. REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

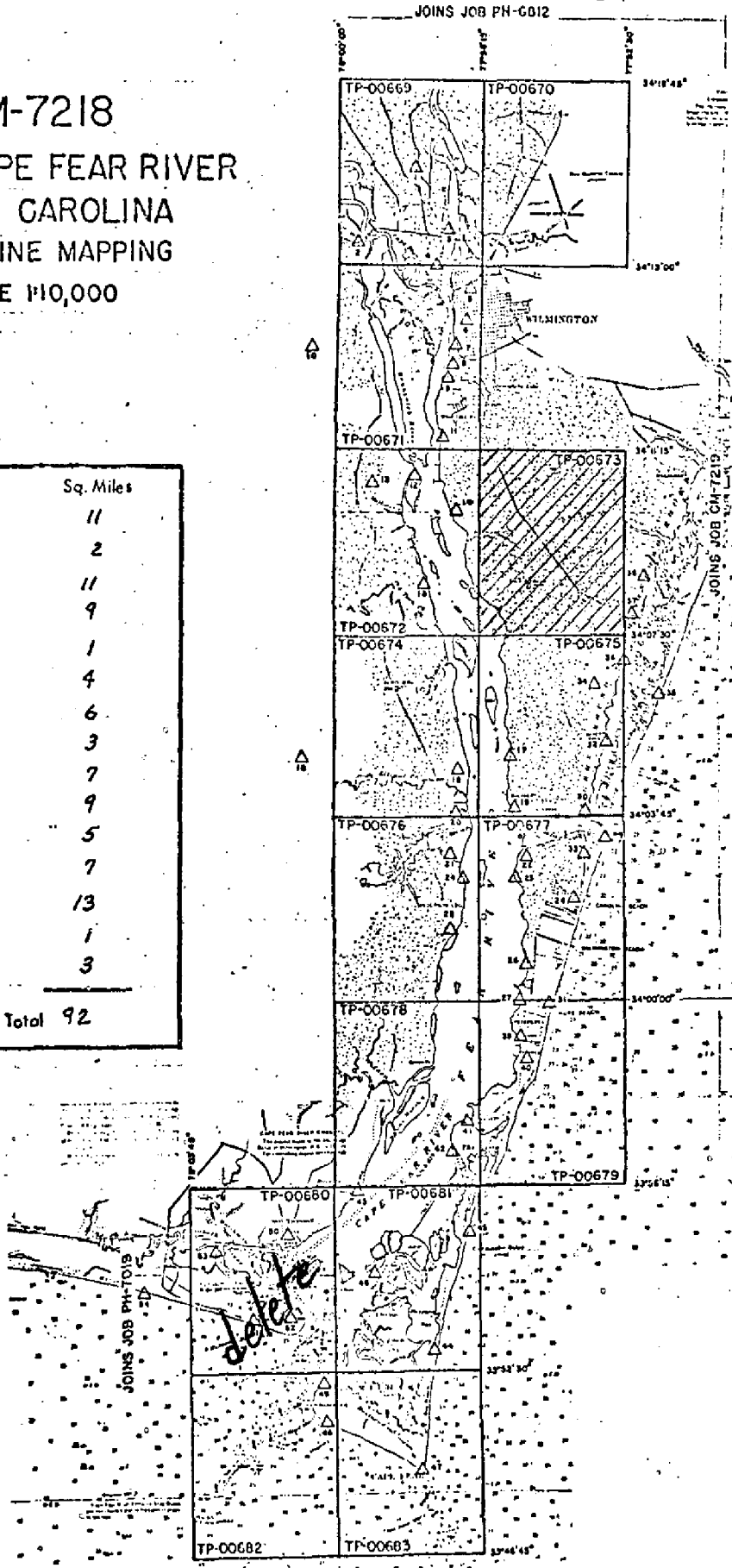
1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORT; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS ⁷⁶⁻⁴⁰ ~~287~~ SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS: Forms 76-36a, b, & d were xerox copies forwarded from office to the field and were destroyed when returned.
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

CM-7218
 LOWER CAPE FEAR RIVER
 NORTH CAROLINA
 SHORELINE MAPPING
 SCALE 110,000

Sheet No.	Sq. Miles
TP-00 669	11
TP-00 670	2
TP-00 671	11
TP-00 672	9
TP-00 673	1
TP-00 674	4
TP-00 675	6
TP-00 676	3
TP-00 677	7
TP-00 678	9
TP-00 679	5
TP-00 680	7
TP-00 681	13
TP-00 682	1
TP-00 683	3
<hr/>	
Total	92



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT TP-00673

This shoreline manuscript is one of fourteen 1:10,000 scale maps which comprise Project CM-7218, Lower Cape Fear River, North Carolina. This project is not part of, but it does adjoin, SCOPE, the Southern Coastal Plains Expedition.

Field work prior to compilation consisted of premarking horizontal control for bridging.

Analytic aerotriangulation was done in the Rockville Office in 1974 using the 1:30,000 scale color infrared bridging photography dated October 1973. Bridge points were dropped for ordering 1:10,000 scale ratios.

Compilation was done at the Atlantic Marine Center in Nov. 1974 with the 1:30,000 bridging photography. The Wild B-8 was used to compile inshore and cultural features and to drop alongshore pass points. These alongshore pass points were used to control the "tide coordinated" ratios from which the mean high water and mean low water lines were delineated graphically. These "tide coordinated" photos were based on predicted tides.

Field edit was done in February 1975.

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

The original manuscript is a stabilene sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7218
Lower Cape Fear River
North Carolina

21. Area Covered

This project covers the lower portion of the Cape Fear River, from just north of Wilmington, North Carolina, to the mouth of the river. Included are eleven T-sheets (TP-00669 thru TP-00679). All sheets are 1:10,000 scale.

22. Method

Two strips of color IR photography 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 (west strip) was adjusted on five triangulation stations and one tie point from Strip 2 (east strip) with two additional triangulation stations as checks. Strip 2 was adjusted on five triangulation stations and one tie point from Strip 1 with three additional triangulation stations as checks. Twenty-three tie points also provided checks between the two strips. Both adjustments were performed on the IBM 6600. All sheets were ruled and plotted on the Coradomat.

1:10,000 scale ratios were ordered.

Horizontal Control held within National Map Accuracy.

24. Supplemental Data

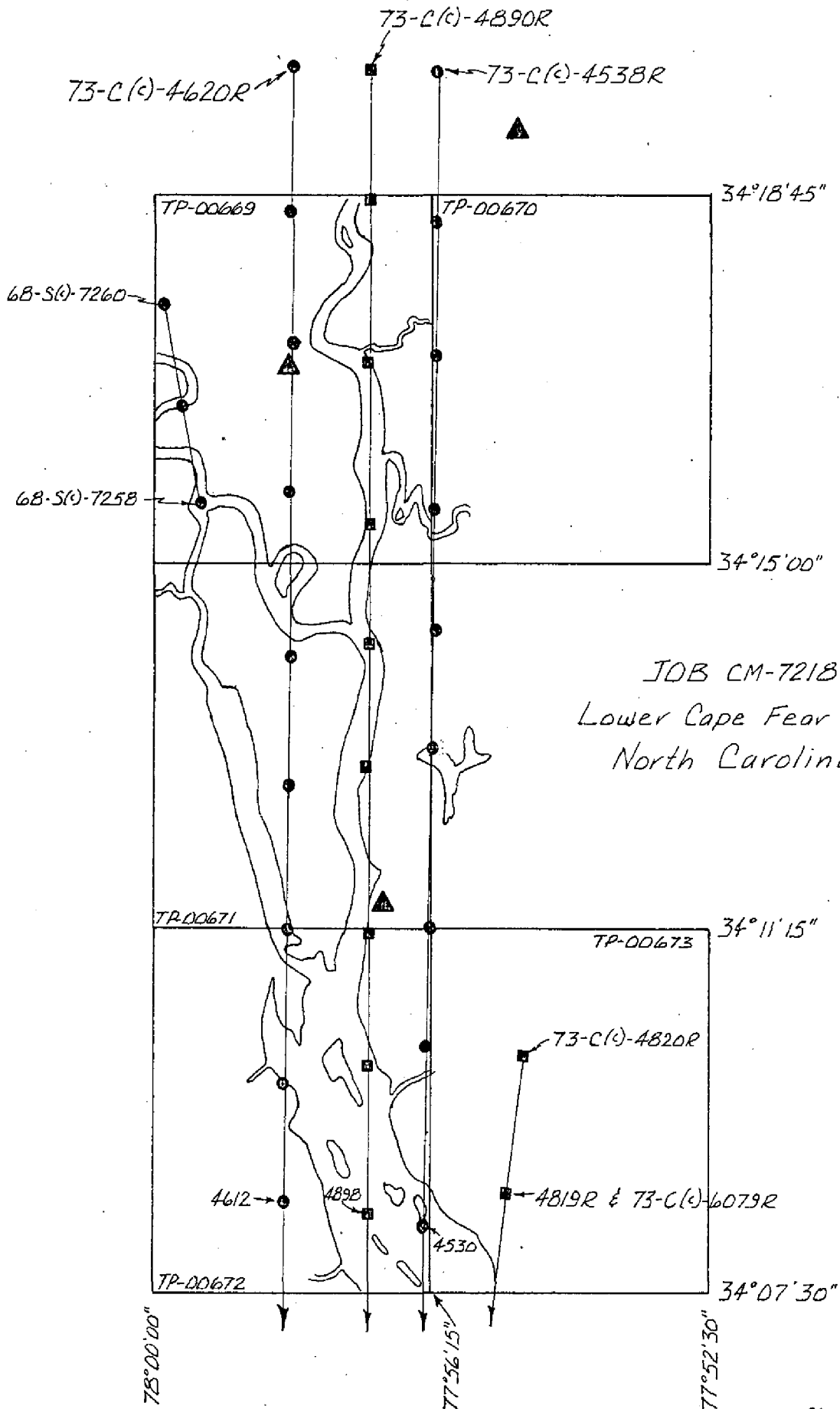
Vertical control, for bridging only, was obtained from local USGS quads.

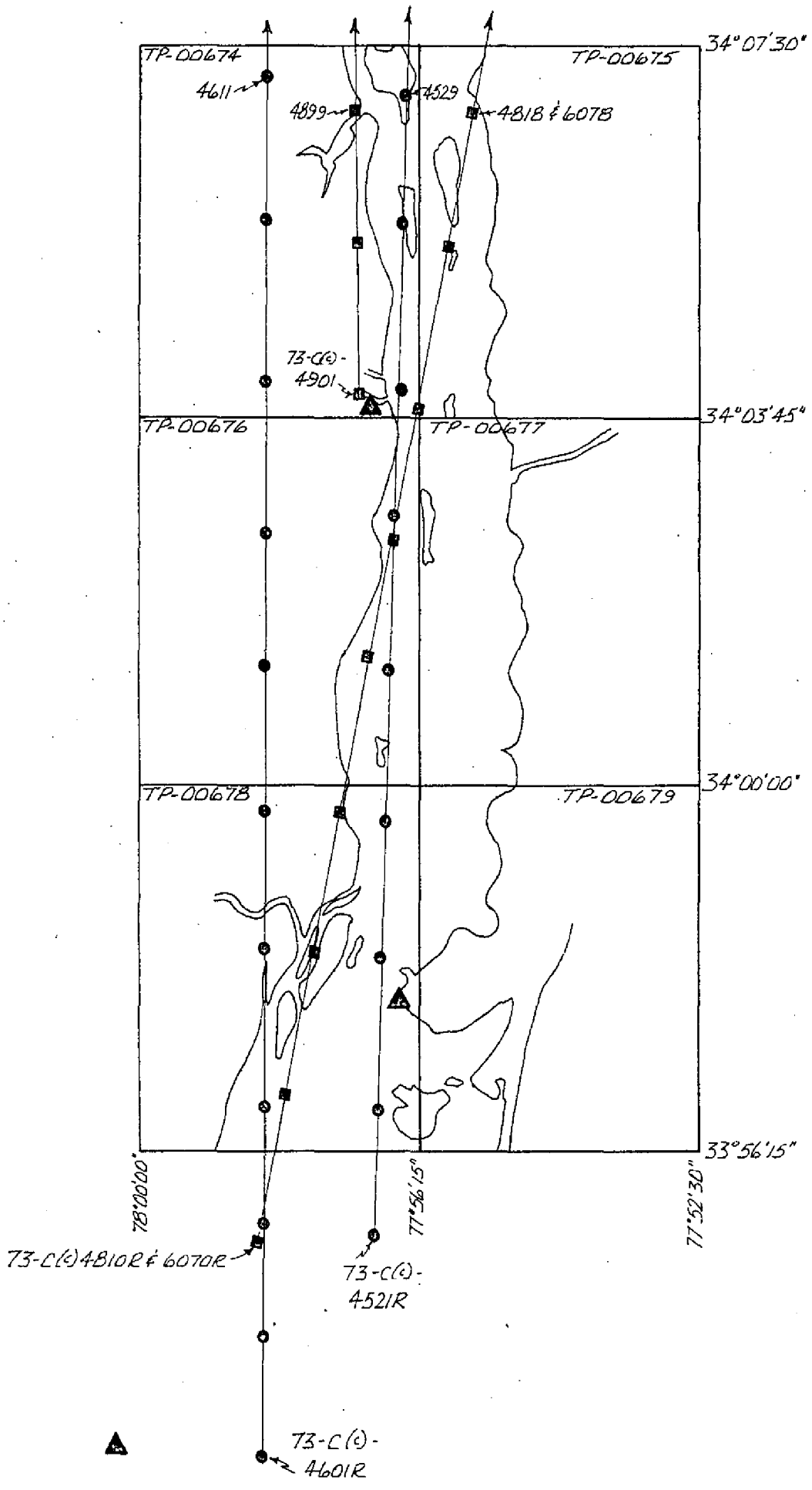
25. Photography

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

Submitted by,
Michael L. McGinley
Michael L. McGinley

Approved by:
John D. Perrow Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section





Notes to Compiler

Photo-image points were located during bridging to be used if required, for controlling stereo models 68S(C)7258/59 and 7259/60. These photos cover the river in the western portion of sheet TP-00669.

COMPILATION REPORT

TP-00673

31. DELINEATION

The mean high water line was compiled graphically from office interpretation of the "tide coordinated" infrared photographs, as shown above.

32. CONTROL

See the attached Photogrammetric Plot Report, not dated.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

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

The mean high water and mean low water lines were delineated from the "tide coordinated" photographs.

36. OFFSHORE DETAILS

Offshore details were compiled by office interpretation of the photographs.

37. LANDMARKS AND AIDS

Preliminary Forms 76-40, Nonfloating Aids or Landmarks for Charts, were prepared by the Compilation office and forwarded to the Field Editor and/or the Hydrographer for verification, location, or deletion.

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 Quadrangle: WILMINGTON, N.C., scale 1:24,000, dated 1970.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: No. 11537 (426), scale 1:40,000, 13th edition, dated Apr. 20, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD


None

Submitted by:



Irene K. Perkinson
Carto. Tech., Nov. 6, 1974

Approved:



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

ADDENDUM TO THE COMPILATION REPORT

TP-00673

FIELD EDIT

Field edit adequate - all questions were answered. Field editor failed to specify methods of verification of non-floating aids positions.

Recovery card for station Keg Island Range Rear Light, Bn 10, 1917, not submitted, but field editor states "destroyed" on ozalid and deletion form.

2 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

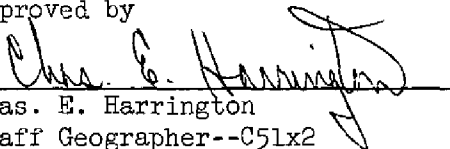
CM-7218 (Lower Cape Fear River, N.C.)

TP-00673

Cape Fear River

Mott Creek

Approved by


Chas. E. Harrington
Staff Geographer--C51x2

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00673

1. PROJECTION AND GRIDS LON, Jr.	2. TITLE LON, Jr.	3. MANUSCRIPT NUMBERS LON, Jr.	4. MANUSCRIPT SIZE LON, Jr.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON, Jr.	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS X X
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES X X	10. PHOTOGRAMMETRIC PLOT REPORT LON, Jr.	11. DETAIL POINTS LON, Jr.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON, Jr.	13. LOW-WATER LINE LON, Jr.	14. ROCKS, SHOALS, ETC.	15. BRIDGES
16. AIDS TO NAVIGATION X X	17. LANDMARKS X X	18. OTHER ALONGSHORE PHYSICAL FEATURES LON, Jr.	19. OTHER ALONGSHORE CULTURAL FEATURES LON, Jr.
PHYSICAL FEATURES			
20. WATER FEATURES LON, Jr.	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 LON, Jr.
CULTURAL FEATURES			
27. ROADS LON, Jr.	28. BUILDINGS X X	29. RAILROADS X X	30. OTHER CULTURAL FEATURES X X
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LON, Jr.	34. JUNCTIONS LON, Jr.		35. LEGIBILITY OF THE MANUSCRIPT LON, Jr.
36. DISCREPANCY OVERLAY LON, Jr.	37. DESCRIPTIVE REPORT LON, Jr.	38. FIELD INSPECTION PHOTOGRAPHS X X	39. FORMS LON, Jr.
40. REVIEWER Lowell O. Neterer, Jr. 11/11/74		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER J. Desch 4/4/75 F. Margiotta 4/17/75		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from paper & film field edit ozalids, sketchbook for project 7218, photograph 73C(C)(I)6068.			

FIELD EDIT REPORT
 JOB CM 7218
 LOWER CAPE FEAR RIVER
 MAPS TP-00672 and TP-00673

52. Adequacy of Compilation

Compilation was adequate. The MHWL was accepted as compiled per instructions received from the Chief, Coastal Mapping Division, dated May 28, 1974. The field work on these maps, except for the landmarks and two daybeacons, was done by Lt. George W. Jamerson. No attempt at "second guessing" the field editor was made by the writer of this report.

A pipeline crossing on TP-00672 at latitude $34^{\circ} 10'.7$, longitude $77^{\circ} 57'.5$ was overlooked during compilation. Attention was drawn to it on the field edit ozalid with cross-reference to the proper photograph.

Several submerged jetties were questioned on both maps. One of those questioned, at latitude $34^{\circ} 08'.4$, longitude $77^{\circ} 57'.2$, could not be found. It may still be extant, but too deeply submerged for visual location. See the current hydrography for verification or deletion of this object. The remaining jetties were indicated on the field edit ozalid and accurately delineated on the film ozalid of the manuscript.

Near Big Island Upper Range Rear Light on TP-00673 three piling were not mapped that are visible on photo 73C 6068. They were indicated on the field edit ozalid and cross-referenced to the photograph. The "locate piles" question just to the west of the above light was dealt with on the film ozalid.

An overhead cable crossing is under construction at latitude $34^{\circ} 08'.8$, longitude $77^{\circ} 57'.0$ on TP-00672. Only the concrete piling for two of the towers were extant at the time of the field edit. These were located with sextant fixes, given position numbers, listed in a sketch book and plotted on the film ozalid of the manuscript. It will be noted that the film ozalids of both these maps make reference to position numbers. These numbers refer to sextant fixes and are to be found in the sketch book mentioned above. The three digit numbers on the right hand side of the page in the sketch book refer to the map number on which the object and/or objects are located. The three digit numbers on the left hand side of the ^{P.S.C.} are the station numbers which are shown on the enclosed list of positions. This list of positions is to be used for all the maps in this project.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There is only one landmark on these maps. It was correctly compiled, verified by the field editor and entered on the Form 76-40 furnished the field editor by the compiling activity.

There are nineteen fixed aids to navigation on these maps. Sixteen of them were correctly compiled and entered as "position verified" on form 76-40. Of the remaining three, one was located by sextant fix and is listed as position # 21 in the sketch book above. The other two were located by angle and distance from a photo point. These two were indicated on Form 76-53, entered on Form 76-40 and indicated on the field edit ozalid.

57. Rocks, Reefs, and Shoals

There are no rocks or reefs, as defined, within the limits of these maps, although the submerged jetties mentioned in side heading 52 above make a fairly close approximation of reefs and are just as wicked to the unwary small boat operator. There are numerous shoals and shallow areas throughout the limits of both of these maps. See the current hydrography for deliniation of these areas.

58. Photography

Photography consisted of 1:10,000 scale color infrared prints of color photographs and was office prepared. The photography was good.

59. Disposition of Data

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

Richard E. Kesselring
 Richard E. Kesselring
 Surveying Technician
 Photo Party 62

TYPE OF ACTION	RESPONSIBLE PERSONNEL		ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD			<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	Billy H. Barnes Billy H. Barnes		FIELD ACTIVITY REPRESENTATIVE OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)		<input checked="" type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
<p>OFFICE</p> <p>I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75</p> <p>FIELD</p> <p>1. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection</p> <p>A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75</p> <p>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</p>	<p>FIELD (Cont'd)</p> <p>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982</p> <p>II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75</p> <p>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75</p> <p>**PHOTOGAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</p>		

REVIEW REPORT TP-00673

SHORELINE

February 1976

61. GENERAL STATEMENT:

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

The term "tide coordinated" is used loosely with this project. Photography was flown at mean high water and mean low water based on predicted tides - not based on staff readings, as is generally thought of when "tide coordinated" is used. The word "predicted" is used in the remarks column on Form 76-15, Photographic Flight Report, for the 1973 photography, which is referred to in the project instructions as being tide coordinated.

A comparison print showing differences noted in Paragraphs 62 through 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-5192, scale 1:20,000, compiled from photographs taken in January, 1932. None of the navigational aids shown on T-5192 are in their same positions on TP-00673. These and other significant differences are shown in blue on the comparison print. In the area compared, TP-00673 supersedes T-5192 for nautical chart construction purposes. T-5192 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle WILMINGTON, N.C., scale 1:24,000 dated 1970. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Preliminary Boat Sheet H-9502 (AHP-10-3-75), scale 1:10,000, dated 1975. There was only one significant difference noted. It was a result of information being taken from the Class III Manuscript. These were corrected in Final Review. This difference is shown in purple on the comparison print.

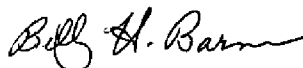
65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map is within the limits of NOAA Chart 11537 (426), scale 1:40,000, 14th edition, dated March 8, 1975. Several piling and a read were compiled out of position on the chart. These objects should be corrected to the positions shown on TP-00673. These positions are correct. These and other significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

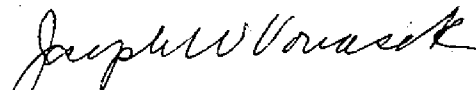
This map complies with Project Instructions (See Form 76-36b and Section 61 of this report), meets the requirements for Bureau Standards, and National Standards of Map Accuracy.

Reviewed by:



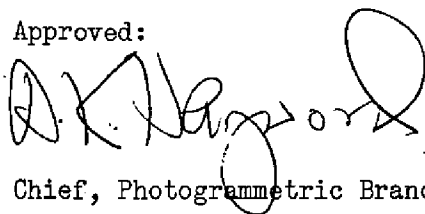
Billy H. Barnes
Cartographer

Approved for forwarding:

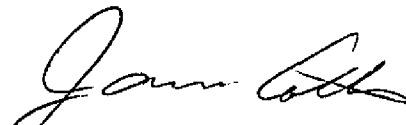


Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Div.

TP-00673
Scale 1:10,000

COMPARISON PRINT
Red= Chart 11537
Blue= T-5192
Purple= H-9502(AHP-10-3-75)
Brown= USGS QUAD

Y=145,000 FT

08'30"

6133350

LWL

Keg Island Lt. 1917

Range Rear
KEG ISLAND RANGE REAR LIGHT

08'

LWL

KEG ISLAND RANGE FRONT LIGHT
BIG ISLAND UPPER RANGE FRONT LIGHT

Y=140,000 FT

Front 1917 Pile

Piling

Subm jetty (2)

RIVER

BIG ISLAND UPPER RANGE REAR LIGHT

Pile (from class III map)

Piling

Unlighted Beacon 25, 1917
Light Pile

Pile Pile

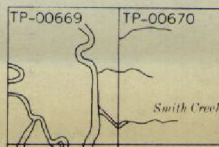
34°07'30"

77°56'15"

56'

X=2,325,000 FT

55'30"



34°18'45"

34°15'00"

NOTE:

"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary, reviewed hydrographic survey of the area where available, should be consulted for the final delineation."

NOTE
plot