NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

<table>
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<th>Shoreline</th>
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<tbody>
<tr>
<td>Type of Survey: Shoreline</td>
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<tr>
<td>Job No.: CM-7218</td>
</tr>
<tr>
<td>Map No.: TP-00671</td>
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<tr>
<td>Classification No.: Field Edited Map</td>
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<tr>
<td>Edition No.: 1</td>
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LOCALITY

<table>
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<th>State: North Carolina</th>
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<tbody>
<tr>
<td>General Locality: Lower Cape Fear River</td>
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<tr>
<td>Locality: Wilmington</td>
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<table>
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<tr>
<th>1972 TO 1975</th>
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REGISTRY IN ARCHIVES

DATE: 

*U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152*
# Descriptive Report - Data Record

**Photogrammetric Office**

Coastal Mapping Division (Norfolk)

**Officer-in-Charge**

Jeffrey G. Carlen, Cdr.

## I. Instructions Dated

### Part I

Compilation - Feb. 27, 1973

### Part II

Aerotriangulation - Mar. 7, 1974

Compilation - July 15, 1974

## II. Datums

1. **Horizontal:**
   - [X] 1927 North American

2. **Vertical:**
   - [X] Mean High Water
     - [ ] Mean Low Water
     - [ ] Mean Lower Low-Water
     - [ ] Mean Sea Level

3. **Map Projection**
   - Polyconic

4. **Scale**
   - 1:10,000

## III. History of Office Operations

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>Landmarks and Aids by</td>
<td>R. Robertson</td>
<td>Jul. 1974</td>
</tr>
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<td>2. Control and Bridge Points</td>
<td>R. Robertson</td>
<td>Sept. 1974</td>
</tr>
<tr>
<td>Plotted by</td>
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<td>6. Application of Field Edit Data</td>
<td>I. Perkinsion</td>
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<td>A. L. Shands</td>
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<td>10. Data Examined in Photogrammetric Branch</td>
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<td>11. Map Registered - Coastal Survey Section</td>
<td>K. T. Catte</td>
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1. COMPILATION PHOTOGRAPHY

**CAMERA(S)**
Wild RC-10 "C"

**TIDE STAGE REFERENCE** WILMINGTON, N.C.
- PREDICTED TIDES
- REFERENCE STATION RECORDS
- TIDE CONTROLLED PHOTOGRAPHY

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<td>73C(0)4615(I) - 4616(I)</td>
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**REMARKS**
*Bridge and compilation photos
**Tide coordinated MHW photos based on predicted tides.*

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from the above listed "tide controlled" photographs.

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

The mean low water line was not compiled. There were no "tide coordinated"MLW photos covering this area.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

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<th>DATE(S)</th>
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5. FINAL JUNCTIONS

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**REMARKS**
**NOAA FORM 76-36C**

**U.S. DEPARTMENT OF COMMERCE**
**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**
**NATIONAL OCEAN SURVEY**

**TP-00671**

**HISTORY OF FIELD OPERATIONS**

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<th>OPERATION</th>
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<td>2. HORIZONTAL CONTROL</td>
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<td>3. VERTICAL CONTROL</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
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<td>6. PHOTO INSPECTION</td>
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<tr>
<td>7. BOUNDARIES AND LIMITS</td>
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**SOURCE DATA**

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<td>73C(C)4532(I)</td>
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**3. PHOTO NUMBERS (Clarification of details)**

**4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**

None

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**7. SUPPLEMENTAL MAPS AND PLANS**

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

1 Form 152
1 Copy Form 526
1 Form 266
1 Form 269c
HISTORY OF FIELD OPERATIONS

1. [ ] FIELD INSPECTION OPERATION  [X] FIELD EDIT OPERATION

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II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
   - PHOTO NUMBER
   - STATION NAME

2. VERTICAL CONTROL IDENTIFIED
   - PHOTO NUMBER
   - STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)
   - 73C 489AR

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
   - Verified
   - 10 landmarks; 4 aids

5. GEOGRAPHIC NAMES: [ ] REPORT  [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT  [X] 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)
   - 5-Form 76-40
   - 1-Form 76-36A
   - 1-Form 76-36B
   - 1-Form 76-36D
I. MANUSCRIPT COPIES

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<th>REMARKS</th>
<th>MARINE CHARTS</th>
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II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

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III. FEDERAL RECORDS CENTER DATA

1. BRIDGING PHOTOGRAPHS; DUPLICATE BRIDGING REPORTS; COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; FORM NOS 552 SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
   ACCOUNT FOR EXCEPTIONS XEROX COPIES OF FORMS 76-36A, B AND D WERE FOR
   FIELD EDITORS REFERENCE ONLY AND WERE DESTROYED WHEN RETURNED TO THE OFFICE.
4. DATA TO FEDERAL RECORDS CENTER, DATE FORWARDED:

IV. SURVEY EDITIONS

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**CM-7218**

LOWER CAPE FEAR RIVER  
NORTH CAROLINA  
SHORELINE MAPPING  
SCALE 1:100,000

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**Total 92**
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT TP-00671

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 September 1974 with the 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 "high water" ratios from which the mean high water line was delineated graphically. The "high water" photos were flown based on predicted tides.

Field edit was done in February 1975.

Final review was done at the Atlantic Marine Center in March 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.
PHOTOMETRIC 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 rules 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,

[Signature]
Michael L. McGinley

Approved by:

[Signature]
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.
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEODETIC DATUM</th>
<th>ORIGINATING ACTIVITY</th>
<th>REMARKS</th>
<th>Forward</th>
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<td>WILMINGTON, ST. MARY'S ROMAN CATHOLIC CHURCH, NORTH TOWER, 1917</td>
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<td></td>
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<td>EAGLE ISLAND LIGHT BN. 1, 1917</td>
<td>G.P. Vol. II, Pg. 600</td>
<td></td>
<td>x=</td>
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<td>WILMINGTON, NORTH CAROLINA SHIPBUILDING CO., TANK, 1942</td>
<td>G.P. Vol. II, Pg. 552</td>
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</table>

COMPUTED BY: A.C. Rauck  
LISTED BY:  
HAND PLOTTING BY:  

SUPERSSEDES NOAA FORM 76-41. 2-71 EDITION WHICH IS OBSOLETE.
<table>
<thead>
<tr>
<th>MAP NO.</th>
<th>JOB NO.</th>
<th>GEOGNETIC DATUM</th>
<th>ORIGINATING ACTIVITY</th>
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<tbody>
<tr>
<td>TP-00671</td>
<td>CM-7218</td>
<td>N.A. 1927</td>
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<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>SHIPYARD (NCGS), 1963</td>
<td>NC Vol. III Quad 340773 STA 1051</td>
<td></td>
<td>x=</td>
<td>( \phi ), 34° 11' 28.778</td>
<td>886.7 (962.0)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>y=</td>
<td>( \lambda ), 77° 56' 41.366</td>
<td>1059.2 (477.1)</td>
</tr>
</tbody>
</table>

**COMPUTED BY:**
A.C. Rauck, Jr. 8/5/74

**LISTED BY:**

**HAND PLOTTING BY:**

**COMPUTATION CHECKED BY:** Frank Margiotta 8/7/74

**LISTING CHECKED BY:**

**HAND PLOTTING CHECKED BY:**

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.
COMPILATION REPORT
TP-00671

31. **DELINEATION**

Delineation was by the Wild B-8 stereoplotter. The mean high water line was compiled graphically using 1:30,000 scale "tide controlled" photography. No mean low water line was delineated due to insufficient photo coverage (See Item #3 Form 76-36b). There was no field inspection prior to compilation.

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 line was delineated from the "tide coordinated" photographs. There were no low water tide coordinated photos covering this area.

36. **OFFSHORE DETAILS**

None

37. **LANDMARKS AND AIDS**

Appropriate copies of Form 76-40, Landmarks and Non-floating Aids to Navigation, were forward to the Rockville, MD office on May 9, 1975.
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, NC, 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 Ed., dated April 20, 1974.

48. **ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY**
   
   None

49. **ITEMS TO BE CARRIED FORWARD**
   
   None

Submitted by:

Richard R. White, Carto. Tech.
November 12, 1974

Approved:

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC
ADDENDUM TO THE COMPILATION REPORT

TP-00671

FIELD EDIT

Field Edit was adequate.

The compiler was referred to photo 69 E(C) 4894 for wrecks located just north of the lift bridge on the west side of Cape Fear River. There are no wrecks identified on the photograph in that area.
GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00671

Alligator Creek
Brunswick River
Cape Fear River
Drum Tree Point
Eagle Island
Greenfield Creek
Muddy Point
Northeast Cape Fear River
Point Peter
Redmond Creek
Sturgeon Creek
Wilmington

Approved by

Chas. E. Harrington
Staff Geographer--C51x2
## PHOTOGRAMMETRIC OFFICE REVIEW

**TP-00671**

<table>
<thead>
<tr>
<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
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<tr>
<td>FM</td>
<td>FM</td>
<td>FM</td>
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</tbody>
</table>

### CONTROL STATIONS

- **5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY**
- **6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)**
- **7. PHOTO HYDRO STATIONS**

<table>
<thead>
<tr>
<th>8. BENCH MARKS</th>
<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
<th>11. DETAIL POINTS</th>
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<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

### ALONGSHORE AREAS (Nautical Chart Data)

- **12. SHORELINE**
- **13. LOW-WATER LINE**
- **14. ROCKS, SHOALS, ETC.**
- **15. BRIDGES**
- **16. AIDS TO NAVIGATION**
- **17. LANDMARKS**
- **18. OTHER ALONGSHORE PHYSICAL FEATURES**
- **19. OTHER ALONGSHORE CULTURAL FEATURES**

### PHYSICAL FEATURES

- **20. WATER FEATURES**
- **21. NATURAL GROUND COVER**
- **22. PLANETARY CONTOURS**
- **23. STEREOSCOPIC INSTRUMENT CONTOURS**
- **24. CONTOURS IN GENERAL**
- **25. SPOT ELEVATIONS**
- **26. OTHER PHYSICAL FEATURES**

### CULTURAL FEATURES

- **27. ROADS**
- **28. BUILDINGS**
- **29. RAILROADS**
- **30. OTHER CULTURAL FEATURES**

### BOUNDARIES

- **31. BOUNDARY LINES**
- **32. PUBLIC LAND LINES**

### MISCELLANEOUS

- **33. GEOGRAPHIC NAMES**
- **34. JUNCTIONS**
- **35. LEGIBILITY OF THE MANUSCRIPT**
- **36. DISCREPANCY OVERLAY**
- **37. DESCRIPTIVE REPORT**
- **38. FIELD INSPECTION PHOTOGRAPHS**
- **39. FORMS**

### REVIEWER

- **F. Margiotta**

### Field Completion Additions and Corrections to the Manuscript

- Field Edit was applied from Field Edit ozaid and film ozaid TP-00670, photo 73C(I)4894(I), Forms 76-40 & 526.
52. Adequacy of Compilation

Compilation was adequate. The MHML was accepted as compiled according to instructions received from the Chief, Coastal Mapping Division, dated May 28, 1974. The field work on this map was performed by Lt. George W. Jenerson. No attempt at "second guessing" was made by the writer of this report. There were no significant changes noted in the shoreline during field edit. Several "foul" areas were overlooked during compilation. These were indicated on the field edit ozalid and cross-referenced to the film ozalid of the manuscript where they were accurately delineated. One area delineated as "foul" at latitude 34° 14'.6, longitude 77° 57'.2 is actually a "wreck" that bares a good deal at mean high water. It was dealt with on the field edit ozalid. There are some other "wrecks" in the same area as mentioned above. These were indicated on the field edit ozalid and cross-referenced to photo 73 C 4894 R. Another "wreck" at latitude 34° 13'.2, longitude 77° 57'.4 is also indicated on the same photograph, as were some "wrecks" at latitude 34° 57'.3. Attention was drawn to these wrecks on the field edit ozalid.

Some "marsh islets" at latitude 34° 13'.3, longitude 77° 57'.2 are actually piling with grass growing on top of them. They were dealt with on the field edit ozalid. Several piling and dolphins were also overlooked during compilation. They were indicated on the field edit ozalid and cross-referenced to the appropriate photograph.

The Brunswick River is "foul" with submerged wrecks, piling, old cables, stumps, and etc. See the current hydrography for positions and delineations of foul areas.

54. Recommendations

There are no recommendations.

56. Landmarks and Non-Floating Aids for Navigation

There are eleven compiled landmarks within the limits of this manuscript. One of them, a radio tower, was felt to be extreemsly and was deleted from the map. The other were entered on Form 76-40 as "position verified". The form is included with this report. There are four fixed aids for navigation on this map. All four of them were currently compiled and were entered as "position verified"
on the Form 76-40 initiated by the compiling activity and furnished the field editor. Two of the triangulated lights, Clarks Island Range Front Light 1917, and Upper Brunswick Channel Range Rear Light; BN 4, 1917 have been destroyed. They were deleted on Form 76-40 which is included with this report.

57. Rocks, Reefs, and Shoals

There are no rocks or reefs, per se, in the Cape Fear River portion of the map. The Brunswick River, is, however, a horror of submerged wrecks, piling, rusty cables and everything imaginable. See the current hydrography for delineation of these objects and the shoal and shallow areas of the rivers.

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

[Signature]
Richard E. Kesselring
Surveying Technician
Photo Party 62
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>METHOD AND DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>LIGHT</td>
<td>Upper Brunswick Range Rear Light</td>
<td>34 11 23.56°</td>
<td>16.91°</td>
<td>730(C)(I)4896</td>
<td>V-VIs. 426</td>
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<td>LIGHT</td>
<td>Cape Fear River Channel Light</td>
<td>34 11 36.78°</td>
<td>29.24°</td>
<td>7148°.7</td>
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<td>LIGHT</td>
<td>Cape Fear River Channel Light 57 (Eagle Island Light, Pt. 1, 1917)</td>
<td>34 12 34.002°</td>
<td>33.337°</td>
<td>730(C)(I)4895</td>
<td>V-VIs. 426</td>
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<td>LIGHT</td>
<td>Cape Fear River Junction Light A</td>
<td>34 14 25.80°</td>
<td>18.21°</td>
<td>730(C)(I)4894</td>
<td>V-VIs. 426</td>
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By photogrammetric methods,  
entirely, or in part, upon control established  
and with other field positions dependent for  
photogrammetric field positions are determined  
entirely, or in part, upon control established  

**Example:** V-Vrs, etc.

11. Position Verified Visually on Photograph  
8-12-75

**Example:** V-Vrs, etc.

12. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

13. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

14. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

15. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

16. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

17. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

18. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

19. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

20. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

21. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

22. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

23. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

24. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

25. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

26. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

27. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

28. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

29. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

30. Position Determined, or Verified Visually  
8-12-75

**Example:** V-Vrs, etc.

The applicable data by symbols as follows:

1. New position determined or verified field.
2. Field office verified and located objects.
3. Office location and located objects.
4. Objects inspected from survey.
5. Objects determined and/or verified.
6. Field activity representative.
7. Other activity representative.
8. Field control party.
9. Office control party.
11. Photo field party.

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<th>Field Activity Representative</th>
<th>Activity</th>
<th>Form Instructed</th>
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<th>Type of Action</th>
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<td>Quality Control and Review Group</td>
<td>Reviewer</td>
<td>Quality Control and Review Group</td>
<td>Reviewer</td>
<td>Quality Control and Review Group</td>
</tr>
</tbody>
</table>
**CHARTING NAME** | **DESCRIPTION** | **LATITUDE** | **LONGITUDE** | **METHOD AND DATE OF LOCATION** | **CHARTS AFFECTED**
--- | --- | --- | --- | --- | ---
**TOWER** | North Tower at Cable Crossing | 34-11 | 77-57 | 73C(I)14894 | 1235
**TOWER** | South Tower at Cable Crossing | 34-11 | 77-57 | 73C(I)14894 | 1235
**TV TOWER** | Highest of three, Ht.=385( *) | 34-11 | 77-57 | 73C(I)14894 | 1235
**TANK** | **(Wilmington,North Carolina Ship-** | 34-11 | 77-57 | 73C(I)14894 | 1235
**TANK** | **building Co., Tank, 1/42 Ht.=185( *)** | 34-11 | 77-57 | 73C(I)14894 | 1235
**TANK** | Ht.=142( *) | 34-11 | 77-57 | 73C(I)14894 | 1235
**TOWER** | **( *)** | 34-11 | 77-57 | 73C(I)14894 | 1235
**R.TOWER** | Of good landmark value ** | 34-11 | 77-57 | 73C(I)14894 | 1235

**Field editor gave no ground elev.**

**Field editor gave no elevations.**
NOAA FORM 76-40

TO BE CHARTED
TO BE REVISED
XTX TO BE DELETED

REPORTING UNIT
Coastal Mapping Div.
AMC - Norfolk, Va.

STATE
North Carolina

LOCALITY
Lower Cape Fear River

DATE
Apr. 1975

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

<table>
<thead>
<tr>
<th>OPR PROJECT NO.</th>
<th>JOB NUMBER</th>
<th>SURVEY NUMBER</th>
<th>DATUM</th>
<th>METHOD AND DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>437</td>
<td>CM-7218</td>
<td>TP-00671</td>
<td>N.A.1927</td>
<td>Destroyed</td>
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CHARTING NAME: TANK
DESCRIPTION: (Tank not found)

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<td>N14.3</td>
<td>77-56.9</td>
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FOOT 1.0
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<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>OFFICE</th>
<th>FIELD</th>
</tr>
</thead>
</table>
REVIEW REPORT TP-00671

SHORELINE

March 1976

61. GENERAL STATEMENT:

See Summary which is page six 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-5191, scale 1:10,000, drawn from photographs taken in 1933. Significant differences are shown in blue on the comparison print. The most prominent are the filling of Alligator Creek and a portion of Redmond Creek and the change in the shoreline of Brunswick River. In the area compared, TP-00671 supersedes T-5191 for nautical chart construction purposes. T-5191 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. Differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Preliminary Boat Sheet of
H-9500 (AHP-10-1-75), scale 1:10,000, dated 1975. A wreck shown on a cutoff of Cape Fear River on TP-00671 with an elevation of (8) was said by the hydrographer to be non-existent but was instead a stack of piling on the shore. Brunswick River is foul with trees, stumps and other debris. This is shown on the Boatsheet. These and other pertinent differences are shown on the comparison print in purple.

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. There are several differences noted between the published chart and the TP sheet. These 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
March, 1976

Approved for forwarding:

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.
Hydro shows this wreck as non-existent and states that there is piling on the bank.