

12290

12290

FORM C&amp;GS-504

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Shoreline(Photogrammetric)Field No. \_\_\_\_\_ Office No. T-12290

## LOCALITY

State North CarolinaGeneral locality Long BayLocality Lockwoods Folly Inlet19-64-65 1962-64

## CHIEF OF PARTY

J.K. Wilson, Chief of Field Party  
Allen L. Powell, Director, AMC

## LIBRARY &amp; ARCHIVES

DATE \_\_\_\_\_

## DESCRIPTIVE REPORT - DATA RECORD

T-12290

SUBJECT NO. (II):

PH-6217

FIELD OFFICE (III):

Myrtle Beach, South Carolina

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

Allen L. Powell, Director

INSTRUCTIONS DATED (II) (III):

11 September 1963 - Field

14 October 1963 - Office

10 January 1964 - Office, Amendment I

METHOD OF COMPILATION (III):

Kelsh Plotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 Pantographed to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

NA 1927

VERTICAL DATUM (III): Mean high water

~~MEAN SEA LEVEL~~ EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

FOLLY, 1934

LAT.:

33° 57' 01.139"

LONG.:

78° 13' 20.244"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 73,831.16 ft.

X = 2,235,893.44 ft.

North Carolina

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,  
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

## DESCRIPTIVE REPORT - DATA RECORD

|  |            |                |
|--|------------|----------------|
| FIELD INSPECTION BY (II):  |            | DATE:          |
| R. S. Tibbetts and Erwest W. Hartford  |            | Feb.-Apr. 1964 |
| MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):                    |            |                |
| Mean high water compiled from field inspection notes on<br>photography of August 1962. |            |                |
| PROJECTION AND GRIDS RULED BY (IV):  |            | DATE           |
| A. E. Roundtree  |            | Dec. 1963      |
| PROJECTION AND GRIDS CHECKED BY (IV):  |            | DATE           |
| V. Silverman   |            | Dec. 1963      |
| CONTROL PLOTTED BY (III):  |            | DATE           |
| A. Santillan   |            | Jan. 1965      |
| CONTROL CHECKED BY (III):  |            | DATE           |
| H. Cordell   |            | Jan. 1965      |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):                                |            | DATE           |
| W. Heinbaugh   |            | Nov. 1964      |
| STEREOSCOPIC INSTRUMENT COMPILATION (III):   | PLANIMETRY | DATE           |
|  | B. Wilson  | Mar. 1965      |
|  | CONTOURS   | DATE           |
| MANUSCRIPT DELINEATED BY (III):  |            | DATE           |
| B. Wilson  |            | April 1965     |
| SCRIBING BY (III):   |            | DATE           |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III):  |            | DATE           |
| R. E. Smith  |            | May 1965       |
| REMARKS:   |            |                |
| FIELD EDIT - None  |            |                |

DESCRIPTIVE REPORT - DATA RECORD

ERA (KIND OR SOURCE) (III):

S Camera

PHOTOGRAPHS (III)

| NUMBER           | DATE        | TIME | SCALE    | STAGE OF TIDE     |
|------------------|-------------|------|----------|-------------------|
| 625 827 A        | 24 Aug 1962 | 0800 | 1:30,000 | 0.3 ft. above MLW |
| 625906A-625 911A | 29 Aug 1962 | 0834 | 1:30,000 | 3.4 ft. above MLW |

TIDE (III)

|  | RATIO OF RANGES | MEAN RANGE | SPRING RANGE |
|--|-----------------|------------|--------------|
| REFERENCE STATION: Charleston, S.C.              |                 | 5.2        | 6.1          |
| SUBORDINATE STATION: Lockwoods Folly Inlet, S.C. |                 | 4.2        | 4.8          |
| SUBORDINATE STATION:                             |                 |            |              |

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet

DATE: June 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

9

RECOVERED:

6

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (III):

3

RECOVERED:

0

IDENTIFIED

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

none

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): none

REMARKS:

T-12290

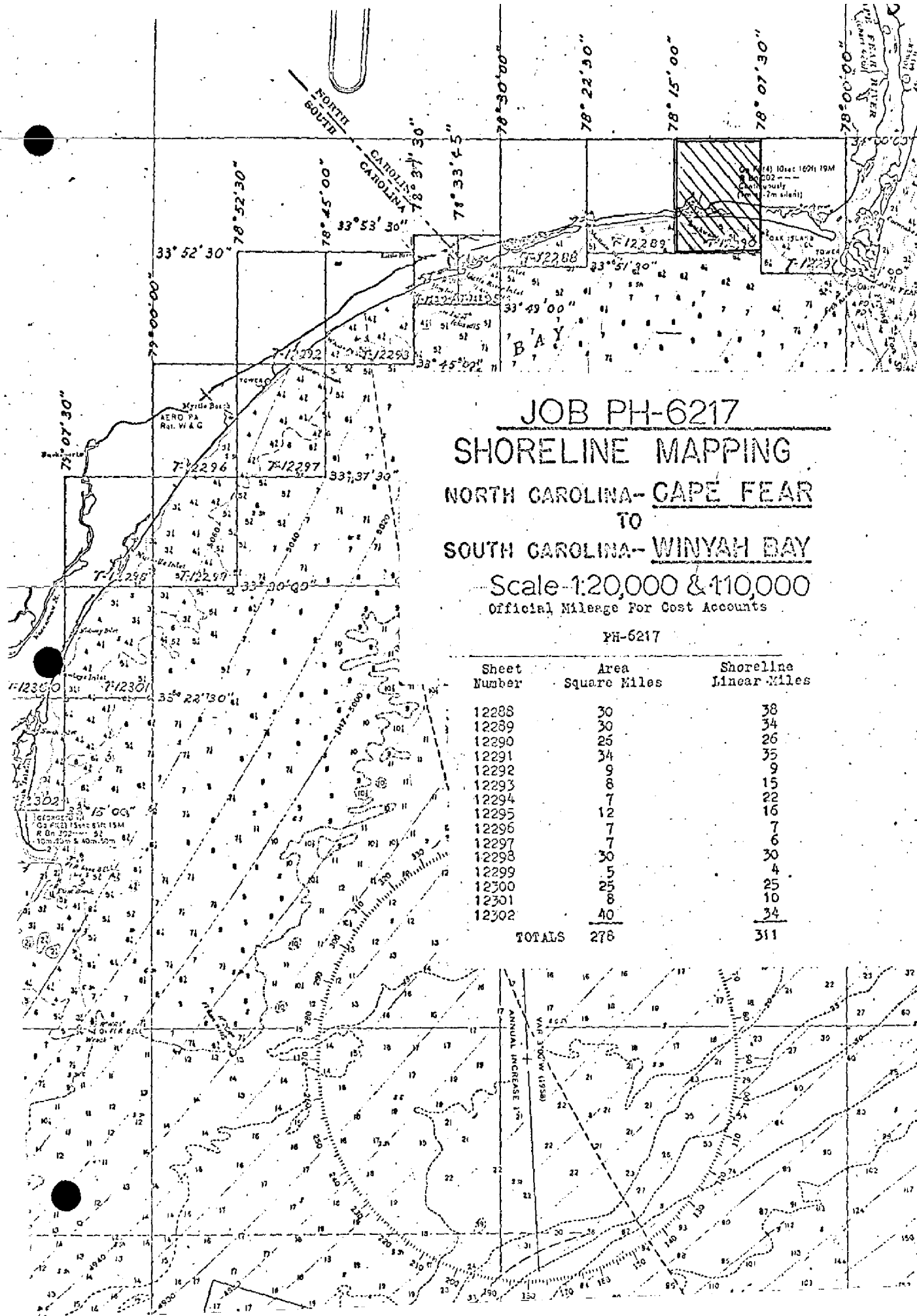
| COMPILATION RECORD                  | COMPLETION DATE | REMARKS |
|-------------------------------------|-----------------|---------|
| Manuscript complete<br>pending edit | April 1965      |         |
| Final Review                        | June 1971       |         |
|                                     |                 |         |
|                                     |                 |         |
|                                     |                 |         |

**JOB PH-6217**  
**SHORELINE MAPPING**  
**NORTH CAROLINA-CAPE FEAR**  
**TO**  
**SOUTH CAROLINA-WINYAH BAY**

Scale 1:20,000 & 1:10,000  
 Official Mileage For Cost Accounts

PH-6217

| Sheet Number  | Area Square Miles | Shoreline Linear Miles |
|---------------|-------------------|------------------------|
| 12288         | 30                | 38                     |
| 12289         | 30                | 34                     |
| 12290         | 25                | 26                     |
| 12291         | 34                | 35                     |
| 12292         | 9                 | 9                      |
| 12293         | 8                 | 15                     |
| 12294         | 7                 | 22                     |
| 12295         | 12                | 16                     |
| 12296         | 7                 | 7                      |
| 12297         | 7                 | 6                      |
| 12298         | 30                | 30                     |
| 12299         | 5                 | 4                      |
| 12300         | 25                | 25                     |
| 12301         | 8                 | 10                     |
| 12302         | 40                | 34                     |
| <b>TOTALS</b> | <b>278</b>        | <b>311</b>             |



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SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12290

Shoreline survey T-12290 is one of fifteen similar surveys in project PH-6217. Thirteen surveys were compiled at 1:20,000 scale and two at 1:10,000 scale. This survey is in the vicinity of Long Beach and includes Lockwoods Folly Inlet and part of Lockwoods Folly River. See page 5 of the Descriptive Report for the location of the survey within the project.

Field work preceded compilation. This consisted of recovery and identification of horizontal control, shoreline and interior field inspection, location of fixed aids to navigation and selection of landmarks for charts.

The purpose of this survey was to provide new shoreline and photo-hydro support data for hydrographic surveys to be made in the area. It was not used for this purpose and field edit of the survey was never accomplished. This survey is to be superseded by survey T-12290(2) of project PH-7019 to be compiled from photography of 1970.

Compilation was at 1:20,000 scale by Kelsh Plotter methods using the photography of 29 August 1962. Final review was in the Atlantic Marine Center in June 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT  
 Project 21059 (PH-6217)  
 Maps T-12288 thru T-12291  
 and T-12293 thru T-12295

This report is submitted for seven maps since there is no great difference in terrain, natural or cultural features which would require special treatment.

## 2. AREAL FIELD INSPECTION

The area lies between the North portion of Myrtle Beach, South Carolina to the Cape Fear River in North Carolina. It includes the Intracoastal Waterway and is bordered on the Southeast by the Atlantic Ocean. The photograph coverage is not complete for each map, therefore in accordance with Instructions from Washington, field inspection has been completed to the limits of the photographs with the exception of a few places where photograph coverage extends beyond the map limits.

The area along the Atlantic Ocean is a summer resort. The portion from Myrtle Beach to the North Carolina line is built up almost solid while the area from the North Carolina line to the Cape Fear River is more sparsely settled.

There are several small villages along and near U. S. Highway 17. Some of the larger are: Crescent Beach, Little River, Shallotte and Southport.

The photographic quality was good for the entire area. Photographic tones were found to be similar to other areas along the South Atlantic Coast. The photographs used were flown in both 1962 and 1963, therefore, causing some areas to photograph slightly different. The field inspector has used the more recent photography where possible.

Photographs used for field inspection are listed below for individual maps:

| <u>T-12293</u> | <u>T-12294</u> | <u>T-12295</u> | <u>T-12288</u> | <u>T-12289</u> | <u>T-12290</u> | <u>T-12291</u> |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 62 S 851A      | 62 S 849A      | 62 S 847A      | 62 S 832A      | 62 S 831A      | 62 S 908A      | 63 W 3027      |
| 62 S 1061A     | 62 S 850A      | 62 S 846A      | 62 S 843A      | 62 S 827A      | 62 S 909A      | 63 W 3025      |
| 62 S 1062A     | 63 W 3036      | 63 W 3034      | 62 S 845A      | 62 S 829A      | 62 S 910A      | 63 W 3024      |
| 62 S 1063A     | 63 W 3037      | 63 W 3035      | 63 W 3029      | 62 S 841A      | 62 S 911A      | 62 S 903A      |
| 62 S 1064A     | 63 W 3038      |                | 63 W 3030      | 63 W 3029      | 62 S 912A      | 62 S 904A      |
| 62 S 851A      |                |                | 63 W 3031      |                | 62 S 913A      | 62 S 905A      |
| 62 S 852A      |                |                | 63 W 3032      |                | 62 S 914A      | 62 S 906A      |
| 62 S 853A      |                |                | 63 W 3033      |                | 62 S 827A      | 62 S 907A      |
| 62 S 854A      |                |                |                |                |                |                |
| 62 S 855A      |                |                |                |                |                |                |

## 3. HORIZONTAL CONTROL

Horizontal control recovery and identification has been completed in accordance with project instructions.



The identification of horizontal control was accomplished on 15 February 1964 and forms 152 and 526 (in duplicate) were forwarded to Washington at that time.

PRICE AZIMUTH MARK, 1962 was moved to a new location by this party. See 1964 description and new G.P.

Horizontal control stations reported "lost", "destroyed", or "not recovered" are listed below by maps:

T-12293

SANDY, 1934  
INTRACOASTAL WATERWAY STA. 730/84.60, 1934  
NIXON, 1923

T-12294

INTRACOASTAL WATERWAY BEACON NO. 46, 1934  
LITTLE RIVER BEACON NO. 8, 1934

T-12295

INTRACOASTAL WATERWAY BEACON NO. 77, 1934  
BIRD, 1962

T-12288

SAUCE, 1934  
TUBBS, 1934  
SYLVIA, 1934  
BALD BEACH, 1962  
INTRACOASTAL WATERWAY BEACON NO. 38, 1934  
INTRACOASTAL WATERWAY BEACON NO. 36, 1934  
INTRACOASTAL WATERWAY BEACON NO. 42, 1934  
INTRACOASTAL WATERWAY BEACON NO. 55, 1934  
INTRACOASTAL WATERWAY BEACON NO. 57, 1934  
INTRACOASTAL WATERWAY BEACON NO. 59, 1934  
INTRACOASTAL WATERWAY BEACON NO. 61, 1934  
INTRACOASTAL WATERWAY BEACON NO. 71, 1934  
INTRACOASTAL WATERWAY BEACON NO. 73, 1934  
INTRACOASTAL WATERWAY BEACON NO. 75, 1934

T-12289

HEWETT, 1934  
LOCKWOOD, 1934  
FISH, 1923  
CHADWICK, 1934  
TAR, 1934  
INTRACOASTAL WATERWAY BEACON NO. 29, 1934  
INTRACOASTAL WATERWAY BEACON NO. 30, 1934

INTRACOASTAL WATERWAY BEACON NO. 32, 1934  
 INTRACOASTAL WATERWAY BEACON NO. 34, 1934  
 INTRACOASTAL WATERWAY BEACON NO. 35, 1934  
 INTRACOASTAL WATERWAY BEACON NO. 45, 1934  
 INTRACOASTAL WATERWAY BEACON NO. 51, 1934

T-12290

WATERWAY, 1934  
 BIG HILL, 1905  
 INTRACOASTAL WATERWAY BEACON NO. 23, 1934

T-12291

A. L. (U.S.E.), 1923  
 CORNCAKE, 1962  
 FUZZY, 1933  
 3 (U.S.E.), 1933  
 BRIDGE, 1933  
 ROAD, 1933  
 OAK, 1933  
 R. B., 1923

4. VERTICAL CONTROL

A search was made for all tidal bench marks within the limits of these maps. Form 685A is submitted for each mark.

5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is almost entirely composed of tidal streams. Normal drainage is generally by direct run-off into marsh or swamp.

6. WOODLAND COVER

Woodland Cover was classified in accordance with the Topographic Manual.

7. SHORELINE AND ALONGSHORE FEATURES

The high-water line has been indicated on the photographs by symbol in accordance with current instructions. No attempt was made to delineate the low-water line. The delineation of the high-water line was accomplished by several methods: Measurements from identifiable points of detail; by visual inspection from skiff; and by walking the shoreline.

All other shoreline features are adequately covered by field inspection notes on the photographs. There have been few developments since photography. Included with the map data for T-12289 is a tracing of a surveyors map of a new development along the Intracoastal Waterway. The field inspector has located several common points of detail photogrammetrically.

The field inspector has delineated the shoreline on the 1963 photographs where possible. The compiler will note, along the Intracoastal Waterway, a mud bank where the 1963 photographs were flown at a lower tide than the 1962 ones.

#### 8. OFFSHORE FEATURES

A letter-size section of the chart is submitted with Map T-12291. Several piling, wrecks, etc. were located by sextant or theodolite cuts.

#### 9. LANDMARKS AND AIDS

A thorough inspection of Nautical Landmarks was made. Form 567 is submitted for each. A few have been shown for deletion and a few new ones are recommended.

All fixed aids to navigation are reported on form 567 for charting. There was only a few changes. A few new daybeacons and one rear range light have been added at the Oak Island Entrance in Map T-12291. The aids were located by several photogrammetric methods, namely: direct method, theodolite cuts from triangulation stations and photo points, and by sextant.

#### 10. BOUNDARIES, MONUMENTS AND LINES

There have been no boundary lines shown.

#### 11. OTHER CONTROL

There were no marked topographic stations established.

#### 12. OTHER INTERIOR FEATURES

All roads were classified in accordance with Photogrammetric Instructions No. 56.

Field Inspection of buildings was done in accordance with Photogrammetric Instructions No. 54, revised September 22, 1961.

There were no bridge or cable clearances measured during this survey.

Marsh and swamp limits have been shown on the photographs where coverage was available.

#### 13. GEOGRAPHIC NAMES

See Special Report of Geographic Names, Project 21059, which was submitted to Washington on 5 February 1964.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Control Identification to Washington 10-16-63.  
Control Identification to Washington 10-24-63.  
Map Data T-12300 thru T-12302 to Tampa 1-17-64.  
Geographic Names Report to Washington 2-10-64.  
Control Identification to Washington 2-13-64.  
Map Data T-12298 to Tampa 2-25-64.  
Map Data T-12292, T-12296, T-12297 and T-12299 to Tampa 3-4-64.

23 April 1964

Submitted by:

*Joseph K. Wilson*  
Joseph K. Wilson  
Chief, Photo Party 6420

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AEROTRIANGULATION REPORT

Project No. 21059

Cape Fear to North Carolina

Winyah Bay to South Carolina

21. Area Covered

This report covers aerotriangulation bridging of the Atlantic Coast from Myrtle Beach, South Carolina to Cape Fear, North Carolina (T-Sheets T-12288 thru T-12295 and T-12297).

22. Method

Three strips were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. All stations held within National Map Accuracy Standards, with the exceptions of Corncake RM #1, 1962 (Strip #3) and Goat, 1934, SS"A". All tie points were averaged. Plotting coordinates are furnished at 1:10,000 scale.

23. Adequacy of Control

Horizontal control provided was adequate in quality and coverage, with the exception of Corncake RM #1, 1962, which could not be held in strip #3. It is believed that the RM #1 has been disturbed (see Form 526 Recovery Note). Another station should be identified in the area to complete T-Sheet No. T-12291, Goat 1934, SSA could not be clearly identified in strip #1 and was eliminated from the bridge.

24. Supplemental Data

None

25. Photography

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

Submitted by:

*W. Hainbaugh*  
W. Hainbaugh

Approved by:

*John D. Pearson Jr.*  
JOHN D. PEARSON, JR.

# DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12290 PROJECT NO. PH-6217 SCALE OF MAP 1:20,000 SCALE FACTOR

| STATION                    | SOURCE OF INFORMATION (INDEX) | DATUM                      | LATITUDE OR Y COORDINATE<br>LONGITUDE OR X COORDINATE | N.A. 1927 - DATUM<br>DISTANCE FROM GRID OR PROJECTION LINE<br>IN METERS (1 ft. = 3048006 meter)<br>FORWARD (BACK) |
|----------------------------|-------------------------------|----------------------------|---|---|
| BIG HILL, 1905             | pg. 187                       | NA 1927                    | 60,883.37   |   |
| BONHAM, 1934               | pg. 226                       | "                          | 2, 242, 036.36  |   |
| FOLLY, 1934                | pg. 226                       | "                          | 63, 584.62  |   |
| HOWELL, 1932               | pg. 37                        | "                          | 2, 239, 039.23  |   |
| LOCK, 1962                 | Vol. 3<br>pg. 2824            | "                          | 73,834.16   |   |
| WATERWAY, 1934             | pg. 226                       | "                          | 2, 235, 893.44  |   |
| WOLTZ, 1962                | Vol. 3<br>pg. 2825            | "                          | 74,169.23   |   |
|                            |                               |                            | 2, 240, 049.48  |   |
|                            |                               |                            | 61,161.81   |   |
|                            |                               |                            | 2, 232, 879.20  |   |
|                            |                               |                            | 65,644.53   |   |
|                            |                               |                            | 2, 256, 903.46  |   |
|                            |                               |                            | 61,313.13   |   |
|                            |                               |                            | 2, 248, 726.34  |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
|                            |                               |                            |   |   |
| COMPUTED BY<br>B. L. Barge | DATE<br>2/9/65                | CHECKED BY<br>B. H. Barnes | DATE<br>2/9/65  | /B  |

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COMPILATION REPORT  
T-12290

31. DELINEATION

Compilation was by Kelsh Plotter methods using the photography of August 29, 1962. The field inspection was adequate and no difficulties were encountered in the delineation of the survey.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated by office interpretation of the photography.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection of the mean high water line was adequate for delineation. The mean low water line was delineated from office interpretation.

36. OFFSHORE DETAIL

Only one of the two wrecks located near the entrance to Lockwoods Folly Inlet was found by the field inspector. This was the northwesterly of the two wrecks and was located by a sextant fix. Neither of the wrecks are visible on the photographs of the area.

37. LANDMARKS AND AIDS

Form 567 for the fixed aids to navigation will be submitted at a later date.

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38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Satisfactory junctions were made with T-12289 to the west and with T-12291 to the east. There are no contemporary surveys to the north or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Lockwoods Folly, N.C. 1:24,000 scale quadrangle, dated 1943.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 835-SC, 1:40,000 scale, revised November 30, 1959.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD


None




A. Santillan  
Cartographer

*A. Santillan*

Approved for forwarding:

  
Melvin J. Umbach, COR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:

  
Allen L. Powell, RADM, NOAA  
Director, Atlantic Marine Center

May 28, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6217 (North Carolina)

T-12290

|                       |                          |
|-----------------------|--------------------------|
| Ash Swamp             | Lockwoods Folly River    |
| Atlantic Ocean        | Long Bay                 |
| Davis Canal           | Long Beach (beach)       |
| Davis Creek           | Long Beach (town)        |
| Eastern Bend          | Mullet Creek             |
| Eastern Channel       | Myrtle Point             |
| Genoes Point          | Oak Island               |
| Holden Beach (beach)  | Pinner Point             |
| Horse Island          | Sheep Island             |
| Howell Point          | Spring Creek             |
| Intracoastal Waterway | Tranquil Harbor (resort) |
| Lockwoods Creek       | Varnum Town              |
| Lockwoods Folly Inlet |                          |

Approved by:



A. Joseph Wraight  
Chief Geographer

Prepared by:

  
Frank W. Pickett  
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

A wreck near latitude  $33^{\circ} 54.6'$  longitude  $78^{\circ} 14.2'$  was not found by the field inspector and is not visible on photographs of the area. This is the southeasterly of two wrecks shown on chart 835-SC at the entrance to Lockwoods Folly Inlet.



REVIEW REPORT T-12290

SHORELINE

June 3, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with a copy of T-8198. This 1:20,000 scale survey made in 1944 is a part of the 7 1/2 minute series of standard topographic quadrangle maps, printed and distributed by the U. S. Geological Survey. All differences noted that exist between surveys T-8198 and T-12290 will therefore also exist between the Lockwoods Folly, N.C. 1:24,000 scale quadrangle and T-12290.

Some erosion of the shoreline has occurred since the time of the older survey particularly in and around Lockwoods Folly Inlet. The Intracoastal Waterway has been widened and the fixed aids to navigation relocated. Survey T-8189 is now obsolete. It is superseded by T-12290 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS Lockwoods Folly Inlet, N.C. quadrangle, 1:24,000 scale, edition of 1943. See Item 62 above.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There were no contemporary hydrographic surveys available for comparison purposes at the time of final review.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 835-SC, 8th edition, January 23, 1971. The difference in the shoreline of the two surveys has been indicated on the comparison print in red.

The positions of the following fixed aids to navigation are not in agreement. Some new aids have been built and others moved since the time of field inspection for this survey.

|                                    |    |
|------------------------------------|----|
| Cape Fear - Little River Daybeacon | 26 |
| Cape Fear - Little River Daybeacon | 28 |
| Cape Fear - Little River Daybeacon | 32 |
| Cape Fear - Little River Light     | 34 |
| Cape Fear - Little River Daybeacon | 39 |
| Cape Fear - Little River Light     | 40 |
| Cape Fear - Little River Daybeacon | 41 |
| Cape Fear - Little River Light     | 44 |
| Cape Fear - Little River Light     | 46 |
| Cape Fear - Little River Light     | 47 |
| Cape Fear - Little River Light     | 48 |

The southeasterly of the two wrecks near the entrance to Lockwoods Folly Inlet, latitude  $33^{\circ} 54.6'$  longitude  $78^{\circ} 14.2'$ , was not located by the field inspector and not visible on the photographs.

A pier near latitude  $33^{\circ} 54.7'$  longitude  $78^{\circ} 08.8'$  is not visible on the photographs.

#### 66. ADEQUANCY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:

*Leo F. Beugnet*  
Leo F. Beugnet  
Cartographer

Approved for forwarding:

*Melvin J. Umbach*  
Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:

*Allen L. Powell*  
Allen L. Powell, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

*Charles H. Hanner*

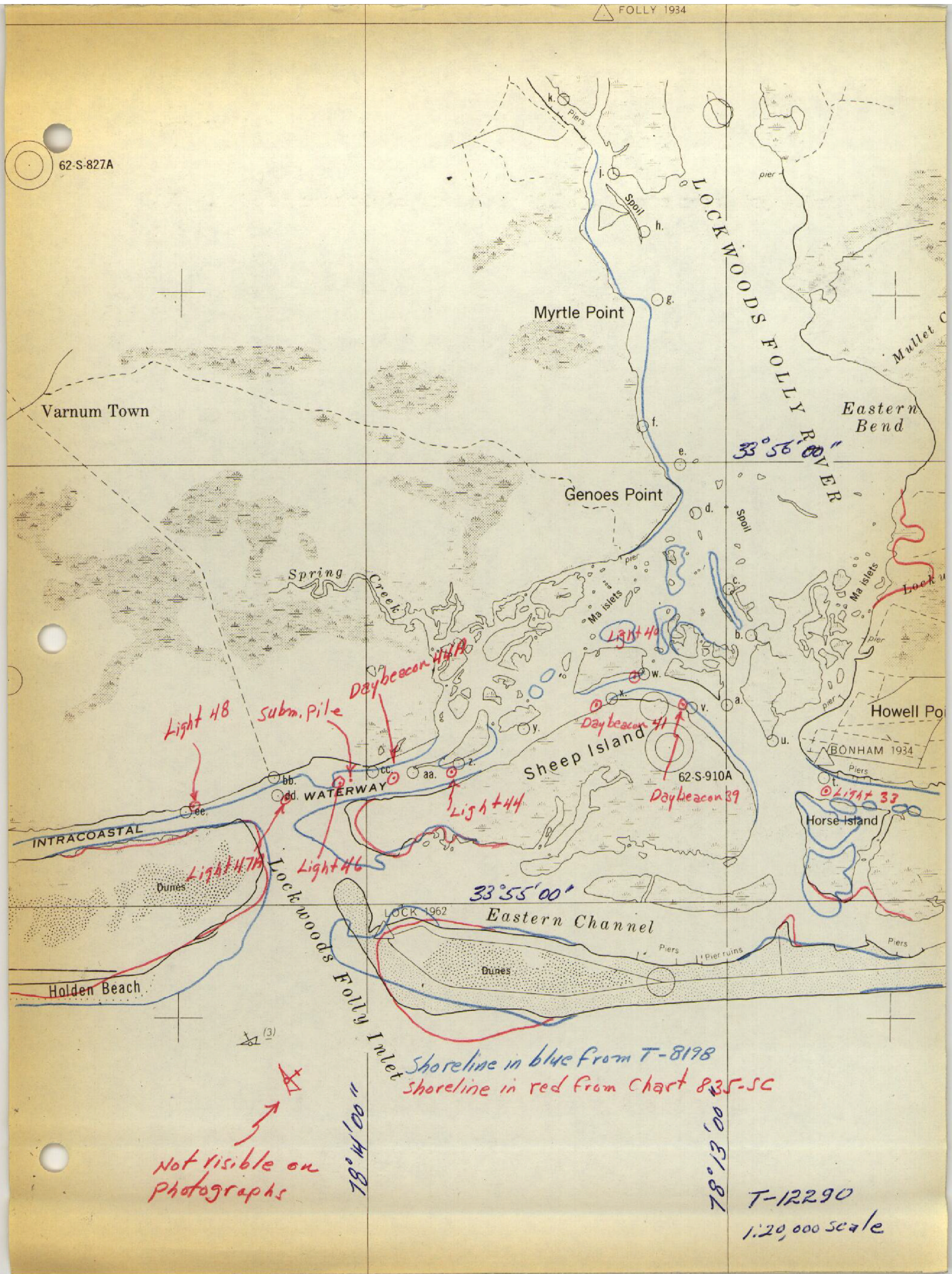
Chief, Photogrammetric Branch

*Jack E. Guth*

Chief, Photogrammetry Division



62-S-827A





reek

oods Cr

int

Footbr

Piers

Pier

BIG HILL 1905

Pinner Point

62-S-909A

Montgomery

Slough

WOLTZ 1962

Tranquil Har

33°56'00"

L O N G B E A C H

Shoreline in blue from T-8198  
Red from chart 835-SC

78°12'00"

L O N G B A Y

78°10'00"

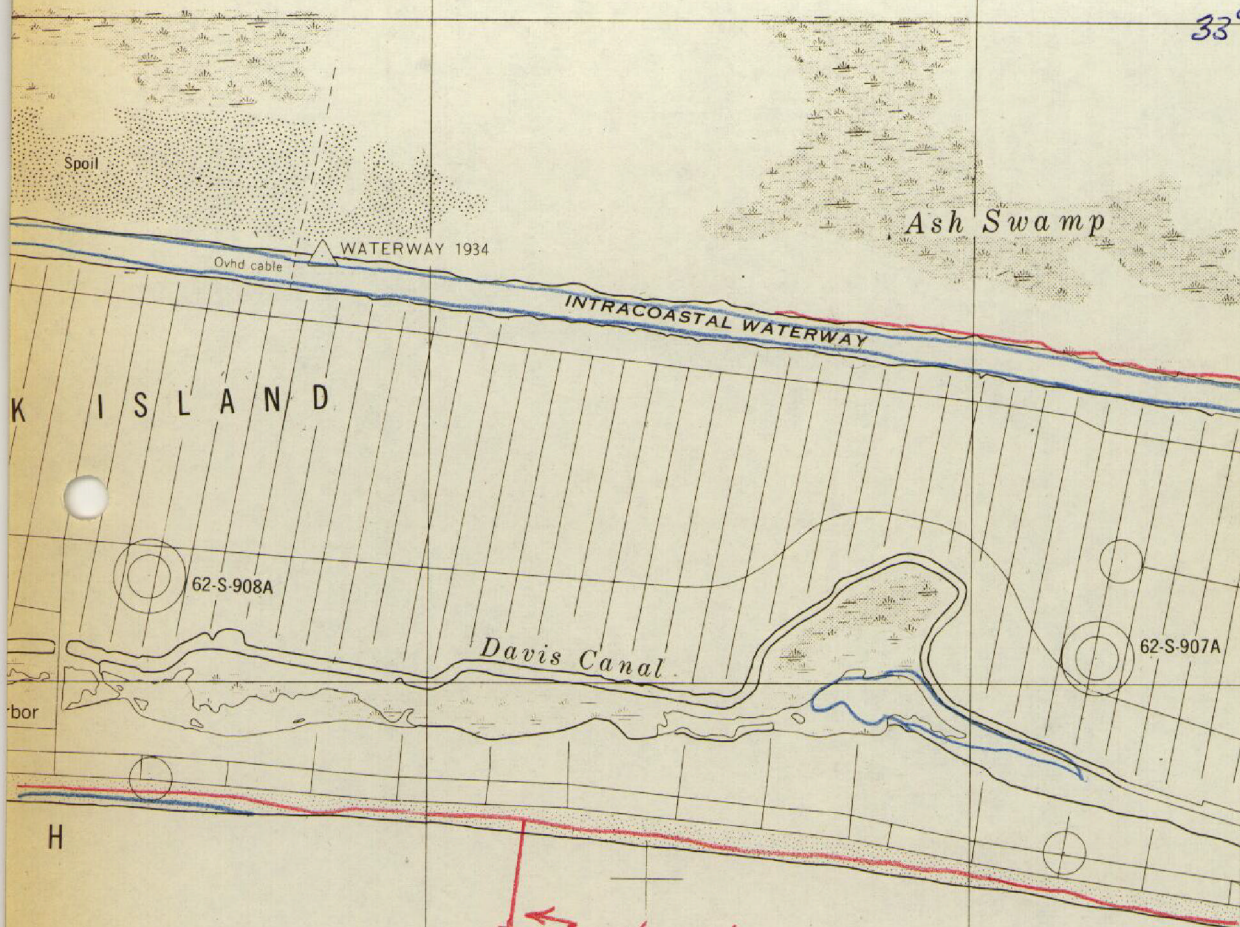
33°54'00"

T-12290  
1:20,000 scale



y=70,000 FT.

33° 56' 00"



55'

y=60,000 FT.

← No evidence of pier  
on photographs

78° 09' 00"

Blue from T-8198  
Red from Chart 835-SC

78° 07' 30"

33° 54' 00"

T-12290  
1:25,000 scale

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE REVIEWED~~  
~~TO BE DELETED~~ } STRIKE OUT TWO

ATLANTIC MARINE CENTER

April 1, 1965

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~(attached sheets)~~ the charts indicated.

The positions given have been checked after listing by

B. Wilson

Allen L. Powell, RADN, NORFOLK of Party.

| STATE | North Carolina |                                 |            | SIGNAL NAME | POSITION      |              |               |              |              |  | METHOD OF LOCATION AND SURVEY No. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|-------|----------------|---------------------------------|------------|-------------|---------------|--------------|---------------|--------------|--------------|--|-----------------------------------|------------------|--------------|---------------|----------------|-----------------|
|       | CHARTING NAME  | DESCRIPTION                     | LATITUDE # |             | LONGITUDE #   |              | DATUM         |              |              |  |                                   |                  |              |               |                |                 |
|       |                |                                 |            |             | ° ' "         | D. M. METERS |               | ° ' "        | D. P. METERS |  |                                   |                  |              |               |                |                 |
|       |                |                                 |            |             |               |              |               |              |              |  |                                   |                  |              |               |                |                 |
|       |                | Intracoastal Waterway --        |            |             |               |              |               |              |              |  |                                   |                  |              |               |                |                 |
|       |                | Cape Fear-Little River Light 24 |            | 33 55       | 35.90<br>1106 | 78 11        | 24.61<br>632  | N.A.<br>1927 | 3/13/64      |  |                                   |                  |              |               |                | 835-SC          |
|       |                | " " " Daybeacon26               |            | 33 55       | 27.00<br>832  | 78 11        | 34.57<br>888  | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " 28                      |            | 33 55       | 20.12<br>620  | 78 11        | 42.20<br>1084 | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " Light 29                |            | 33 55       | 08.44<br>260  | 78 11        | 52.56<br>1350 | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " Daybeacon32             |            | 33 55       | 13.70<br>422  | 78 12        | 17.83<br>458  | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " Light 34                |            | 33 55       | 16.75<br>516  | 78 12        | 43.76<br>1124 | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " Daybeacon36             |            | 33 55       | 21.88<br>674  | 78 12        | 52.40<br>1346 | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " " 39                    |            | 33 55       | 26.42<br>814  | 78 13        | 05.76<br>148  | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " " Light 40              |            | 33 55       | 31.13<br>959  | 78 13        | 13.70<br>352  | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " Daybeacon41             |            | 33 55       | 27.72<br>854  | 78 13        | 19.00<br>488  | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " " 42                    |            | 33 55       | 23.66<br>729  | 78 13        | 33.79<br>868  | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " " Light 44              |            | 33 55       | 18.95<br>584  | 78 13        | 44.46<br>1142 | "            | "            |  |                                   |                  |              |               |                | "               |
|       |                | " " " " Daybeacon44-A           |            | 33 55       | 17.95<br>553  | 78 13        | 52.17<br>1340 | "            | "            |  |                                   |                  |              |               |                | "               |

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

\* TABULATE SECONDS AND METERS



U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE REVISED~~  
~~TO BE DELETED~~ } STRIKE OUT TWO

April 1, 19 65

ATLANTIC MARINE CENTER

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~(sketches)~~ the charts indicated.

The positions given have been checked after listing by

B. Wilson

Allen L. Powell, RADM, ~~NAME of Party~~

| STATE North Carolina |                                 |             | POSITION   |               |             |               |            |                   | METHOD OF LOCATION AND SURVEY No. | DATE OF LOCATION | HARBOR CHART | INSHORE CHART | OFFSHORE CHART | CHARTS AFFECTED |
|----------------------|---------------------------------|-------------|------------|---------------|-------------|---------------|------------|-------------------|-----------------------------------|------------------|--------------|---------------|----------------|-----------------|
| CHARTING NAME        | DESCRIPTION                     | SIGNAL NAME | LATITUDE * |               | LONGITUDE * |               | DATUM      |                   |                                   |                  |              |               |                |                 |
|                      |                                 |             | ° ' "      | " D.M. METERS | ° ' "       | " D.P. METERS |            |                   |                                   |                  |              |               |                |                 |
|                      | Cape Fear-Little River Light    | 46          | 33 55      | 18.05<br>556  | 78 13       | 58.87<br>1512 | NA<br>1927 | Photo.<br>T-12290 | 3/13/64                           |                  |              |               | 835-SC         |                 |
|                      | " " " Daybeacon                 | 46-A        | 33 55      | 17.27<br>532  | 78 14       | 15.34<br>394  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " Light                     | 47          | 33 55      | 14.93<br>460  | 78 14       | 14.83<br>381  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 48          | 33 55      | 12.72<br>392  | 78 14       | 30.06<br>772  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      |                                 |             |            |               |             |               |            |                   |                                   |                  |              |               |                |                 |
|                      | Lockwoods Folly River Daybeacon | 1           | 33 55      | 26.74<br>824  | 78 13       | 00.00<br>00   | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 2           | 33 55      | 36.32<br>1119 | 78 12       | 55.83<br>1434 | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 4           | 33 55      | 42.68<br>1315 | 78 12       | 59.65<br>1532 | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 5           | 33 55      | 53.03<br>1634 | 78 13       | 05.06<br>130  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 6           | 33 55      | 59.66<br>1838 | 78 13       | 07.71<br>198  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 7           | 33 56      | 05.00<br>154  | 78 13       | 13.94<br>358  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 8           | 33 56      | 22.40<br>690  | 78 13       | 11.45<br>294  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 9           | 33 56      | 31.84<br>981  | 78 13       | 13.63<br>350  | "          | "                 | "                                 |                  |              |               | "              |                 |
|                      | " " " " "                       | 10          | 33 56      | 39.73<br>1224 | 78 13       | 18.77<br>482  | "          | "                 | "                                 |                  |              |               | "              |                 |

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## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE REMOVED~~  
~~TO BE DELETED~~

STRIKE OUT TWO

ATLANTIC MARINE CENTER

April 1, 1965

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The positions given have been checked after listing by \_\_\_\_\_

B. Wilson

Allen L. Powell, RADM, NORAD, Chief of Party.

[illegible]

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