Form 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)
Field No. Office No. T-12294

LOCALITY
State North Carolina-South Carolina
General locality Long Bay
Locality Hog Inlet

1964-1965 1962-64

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

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

PROJECT NO. (III):
Job PH-6217

FIELD OFFICE (III):
Myrtle Beach, South Carolina

CHIEF OF PARTY
Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):
Atlantic Marine Center

OFFICER-IN-CHARGE
J. Bull, Director, Atlantic Marine Center

INSTRUCTIONS DATED (III) (III):
Field: September 11, 1963
Office: October 11, 1963
Office: January 10, 1964 Amendment I.

METHOD OF COMPILATION (III):
Kelsh Plotter

MANUSCRIPT SCALE (III):
1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:6,000 pantographed to 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOREGRAPHIC DATUM (III):
N.A. 1927

VERTICAL DATUM (III):
Except as follows:
MW Elevations shown as (M) refer to mean high water
Elevations shown as (L) refer to sounding datum
i.e., mean low water

REFERENCE STATION (III):
LEWIS 1934

LAT.:
33° 51' 01.615 (49.8m)

LONG.:
78° 36' 06.4256 (160.8m)

ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):

x = 318,085.32 ft.
y = 2,728,120.76 ft

STATE
South Carolina

ZONE
North

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY: (I) 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 (III):**
- Erwest W. Hartford
- Matthew A. Stewart
- Harvey G. Lucas
- Robert S. Tichetts

**DATE:** Jan-Feb 1964

**MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):**
- Air Photo compilation March 1964

**PROJECTION AND GRIDS RULED BY (IV):**
- A. E. Roundtree (Washington Office)

**DATE:** Jan. 1965

**PROJECTION AND GRIDS CHECKED BY (IV):**
- F. Hawkins (Washington Office)

**DATE:** Jan. 1965

**CONTROL PLOTTED BY (III):**
- H. Cordell

**DATE:** Mar. 1965

**CONTROL CHECKED BY (III):**
- A. Santillan

**DATE:** Mar. 1965

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**
- W. Heinbaugh (Washington Office)

**DATE:** Nov. 1964

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**
- PLANEOMETRY
  - L. Sullivan
  - Reviewed by: K. Boyle
- CONTOURS
  - Inapplicable

**DATE:** Mar. 1965

**MANUSCRIPT DELINEATED BY (III):**
- L. Sullivan

**DATE:** Mar. 1965

**SCRIBING BY (III):**
- L. Sullivan

**DATE:**

**PHOTOGRAHMETRIC OFFICE REVIEW BY (III):**
- R. E. Smith

**DATE:** Apr. 1965

**REMARKS:**
- FIELD EDIT - NONE
**DESCRIPTION REPORT - DATA RECORD**

**CAMERA (KIND OR SOURCE) (III):**  
S & W Cameras

**PHOTOGRAPHS (III):**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<tbody>
<tr>
<td>62 S 848A</td>
<td>24 Aug. 1962</td>
<td>0821</td>
<td>1:30,000 (Diapositives)</td>
<td>0.3</td>
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<tr>
<td>849A</td>
<td></td>
<td>0821</td>
<td></td>
<td>0.3</td>
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<tr>
<td>850A</td>
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<td>0821</td>
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<td>63 W 3036</td>
<td>21 Feb. 1963</td>
<td>0953</td>
<td>1:1</td>
<td>1.4</td>
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<tr>
<td>3037</td>
<td></td>
<td>0954</td>
<td></td>
<td>1.2</td>
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<tr>
<td>3038</td>
<td></td>
<td>0955</td>
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<td>1.2</td>
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**TIDE (III):** Predicted

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<th>REFERENCE STATION:</th>
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<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
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<tbody>
<tr>
<td>SUBORDINATE STATION:</td>
<td>Little River, one mile above mouth</td>
<td>5.8</td>
<td>6.1</td>
<td>5.0</td>
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</table>

**WASHINGTON OFFICE REVIEW BY (IV):**  
Leo F. Beugnet, NAV  
DATE: May 1971

**PROOF EDIT BY (IV):**  
DATE: 

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):** 5  
RECOVERED: 3  
IDENTIFIED: 1

**NUMBER OF BM(S) SEARCHED FOR (II):** 10  
RECOVERED: 4  
IDENTIFIED: 2

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):** None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):** None

**REMARKS:**
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<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Shoreline for hydro-support</td>
<td>March 1965</td>
<td></td>
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<tr>
<td>Final Review</td>
<td>May 1971</td>
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PROJECT PH-6217
SHORELINE MAPPING
NORTH CAROLINA—CAPE FEAR
TO
SOUTH CAROLINA—WINYAH BAY

Official Mileage For Cost Accounts

<table>
<thead>
<tr>
<th>Sheet Number</th>
<th>Area</th>
<th>Shoreline</th>
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</thead>
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<tr>
<td></td>
<td>Square Miles</td>
<td>Linear Miles</td>
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<tr>
<td>12288</td>
<td>30</td>
<td>38</td>
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<tr>
<td>12289</td>
<td>30</td>
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<td>12299</td>
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<td>12300</td>
<td>5</td>
<td>5</td>
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<tr>
<td>12301</td>
<td>5</td>
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<tr>
<td>12302</td>
<td>40</td>
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</tbody>
</table>

TOTALS 278 311

14. SEPT. 1962
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12294

Shoreline survey T-12294 is one of fifteen similar surveys in project PH-6217. Thirteen surveys were at 1:20,000 scale and the remaining two at 1:10,000 scale. This survey covers that area in the vicinity of Hog Inlet and includes parts of Little River, Calabash Creek and the Intracoastal Waterway. See page 5 of the Descriptive Report for the location of the map 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 the selection of landmarks for charts.

The purpose of the survey was to provide shoreline and photo-hydro support 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-12294 (2) of Job PH-7019 which will be compiled from photography of 1970.

Compilation of this survey was at 1:10,000 scale by Kelsh Plotter methods using the photography of August 1962 and February 1963. Final review was in the Atlantic Marine Center in May 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.
FIELD INSPECTION REPORT
Project 21059
Maps T-12238 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:

<table>
<thead>
<tr>
<th>T-12293</th>
<th>T-12294</th>
<th>T-12295</th>
<th>T-12288</th>
<th>T-12289</th>
<th>T-12290</th>
<th>T-12291</th>
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<tbody>
<tr>
<td>62 S 1063A</td>
<td>63 W 3037</td>
<td>63 W 3035</td>
<td>63 W 3029</td>
<td>62 S 841A</td>
<td>62 S 911A</td>
<td>62 S 903A</td>
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<tr>
<td>62 S 1064A</td>
<td>63 W 3038</td>
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<td>63 W 3038</td>
<td>63 W 3029</td>
<td>62 S 912A</td>
<td>62 S 904A</td>
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<td>62 S 851A</td>
<td>63 W 3031</td>
<td>63 W 3027</td>
<td>62 S 913A</td>
<td>62 S 905A</td>
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<td>62 S 852A</td>
<td>63 W 3032</td>
<td>62 S 914A</td>
<td>62 S 906A</td>
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<tr>
<td>62 S 853A</td>
<td>63 W 3033</td>
<td>62 S 827A</td>
<td>62 S 907A</td>
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<td>62 S 854A</td>
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<td></td>
</tr>
</tbody>
</table>

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 C.P.

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

T-12293

SANDY, 1934
INTRA COASTAL WATERWAY STA. 730/84, 60, 1934
NIXON, 1923

T-12294

INTRA COASTAL WATERWAY BEACON NO. 46, 1934
LITTLE RIVER BEACON NO. 8, 1934

T-12295

INTRA COASTAL WATERWAY BEACON NO. 77, 1934
BIRD, 1962

T-12296

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

T-12297

HEBST, 1934
LOCKWOOD, 1934
FISHER, 1923

CHAMPION, 1934
TAR, 1934
INTRA COASTAL WATERWAY BEACON NO. 29, 1934
INTRA COASTAL WATERWAY BEACON NO. 30, 1934
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-12290 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
Chief, Photo Party 6420
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, SSA"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:

[Signature]

Approved by:

[Signature]
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR - COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<td>GP II D.16 PC N. 3 1927</td>
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</table>
The aerotriangulation bridge was run in the Washington Office and the report is submitted with T-12297.

31. **DELINEATION**

   The Kelsh Plotter was used. Field inspection was adequate.

   Photography was satisfactory.

32. **CONTROL**

   See Aerotriangulation Report (with T-12297)

33. **SUPPLEMENTAL DATA**

   None

34. **CONTOURS AND DRAINAGE**

   Inapplicable

35. **SHORELINE AND ALONGSHORE DETAILS**

   The shoreline inspection was adequate and was delineated accordingly. The approximate low water line was delineated from office interpretation of the low water photography.

36. **OFFSHORE DETAILS**

   None

37. **LANDMARKS AND AIDS**

   Appropriate copies of two forms 567 for aids to navigation were forwarded to the Washington Office under date 5-4-65.
37. LANDMARKS AND AIDS (Cont.)

There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with:
T-12295 to the east
T-12293 to the west
There is no contemporary surveys to the north and south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle LITTLE RIVER, SC-NC scale 1:24,000 revised in 1947 from South Carolina 1:31,680 AMS, Little River, 1943. The shoreline around Hog Island has undergone considerable change, however, this area is subject to frequent changes.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Charts 835 scale 1:80,000 edition of 1952 revised November 30, 1959 and 1237, scale 1:80,000 2nd edition of 1938, revised November 5, 1962.

The same differences were noted as under Item 46.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

L. Sullivan

Approved for forwarding:

Melvin J. Umbach, CDR, 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-12294

<table>
<thead>
<tr>
<th>Atlantic Ocean</th>
<th>Intracoastal Waterway</th>
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<tbody>
<tr>
<td>Calabash Creek</td>
<td>Little River (river)</td>
</tr>
<tr>
<td>Cherry Grove Beach</td>
<td>Little River (town)</td>
</tr>
<tr>
<td>Corkins Neck</td>
<td>Little River Neck</td>
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<tr>
<td>Dunn Sound</td>
<td>Long Bay</td>
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<tr>
<td>Dunn Sound Creek</td>
<td>Milliken Cove</td>
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<td>Eden Saltworks Creek</td>
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<td>Hog Inlet</td>
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<td>The Battery Island</td>
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<tr>
<td>Horse Ford Creek</td>
<td>Waiter Island</td>
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<tr>
<td>House Creek</td>
<td>Williams Creek</td>
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</tbody>
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Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician
49. NOTES FOR THE HYDROGRAPHER

None
<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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<tbody>
<tr>
<td>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</td>
<td>RES</td>
<td>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS)</td>
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<td>7. PHOTO HYDRO STATIONS</td>
<td>--</td>
<td>8. BENCH MARKS</td>
<td>RES</td>
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<tr>
<td>11. DETAIL POINTS</td>
<td>Kelsh</td>
<td>9. PLOTTING OF SEXTANT FIXES</td>
<td>LN</td>
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<td>12. SHORELINE</td>
<td>RES</td>
<td>13. LOW-WATER LINE</td>
<td>RES</td>
</tr>
<tr>
<td>14. ROCKS, SHOALS, ETC.</td>
<td>RES</td>
<td>15. BRIDGES</td>
<td>RES</td>
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<td>16. AIDS TO NAVIGATION</td>
<td>R.W.</td>
<td>17. LANDMARKS</td>
<td>R.W</td>
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**FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT**: Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.

**SIGNATURE OF COMPILER**: [Signature]

**SIGNATURE OF SUPERVISOR**: [Signature]
REVIEW REPORT T-12294

SHORELINE

May 20, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with surveys T-8201 and T-8205. These are 1:20,000 scale surveys made in 1943. These are 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 the surveys and T-12294 will also exist between the LITTLE RIVER and CALABASH, N.C.-S.C. USGS quadrangles and T-12294.

The shoreline in the area has undergone a vast change since the time of these older surveys. Hog Inlet has shifted to the southwest and erosion has claimed some 220 meters of beach in one area. The more significant of the changes have been noted on the comparison print in blue.

Registered surveys T-8201 and T-8205 are obsolete. They are superseded by T-12294 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

See Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There were not 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. Some differences in the shoreline between the two surveys were noted. These have been indicated on the comparison print in red.
Some changes in the fixed aids to navigation have been made since the time of field work for this survey. Little River Inlet Daybeacon 4 is not shown on the chart and Little River Inlet Daybeacon 6 is now "22" on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Leo F. Beugnet
Cartographer

Approved for forwarding:

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

Approved:

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

Approved:

Chief, Photogrammetric Branch
Chief, Photogrammetry Division
Red - from Chart No. 33550
Blue - from T-8201D and T-8205

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."
Red - from chart 835-5c
Blue - from T-8201 and T-8205

33°53'00"
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by Lowell O. Retorver, Jr.

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This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 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
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by Lowell O. Netzer, Jr.

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