## Descriptive Report

### Type of Survey
- **SHORELINE**

### Field No.
- **Ph-6217**

### Office No.
- **T-12299**

### Locality
- **SOUTH CAROLINA**
- **CAPE FEAR, N.C. TO WINYAH BAY, S.C.**
- **SURFSIDE BEACH**

### Date
- **1964**

### Chief of Party
- **Joseph K. Wilson, Chief, Photo Party 6420**
- **J. C. Bull, Director, Atlantic Marine Center**

### Library & Archives
- **DATE December 1967**
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) (IV):

11 September 1963 Field
14 October 1963 Office
10 January 1964 Amendment 1 Office

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):

N.A. 1927

VERTICAL DATUM (III):

Mean Higher High Water

Elevations shown as (M) refer to mean high water
Elevations shown as (L) refer to sounding datum
i.e., mean low water or mean lower low water

REFERENCE STATION (III):

ROCH 2, 1962

LAT.:

33° 36' 09.5352"

LONG.:

78° 58' 28.2622"

ADJUSTED

UNADJUSTED

PLANE COORDINATES (IV):

\[ x = 225,163.96 \text{ ft}, \quad x = 2,616,759.36 \text{ ft.} \]

STATE

South Carolina

ZONE

North

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 (I):**
- Robert S. Tibbets
- Harvey G. Lucas

**DATE:**
- January 1964
- November 1963

**MEAN HIGH WATER LOCATION (II): (STATE DATE AND METHOD OF LOCATION):**

**Air Photo compilation**
**Date of Photography September 1, 1962 & Feb 21, 1963**

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

**DATE:** 12-3-63

**PROJECTION AND GRIDS CHECKED BY (IV):**
- P. Silverman

**DATE:** 12-3-63

**CONTROL PLOTTED BY (III):**
- V. P. Gackowski

**DATE:** March 1964

**CONTROL CHECKED BY (III):**
- R. R. Wagner

**DATE:** March 1964

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**
- R. B. Kelly
  (Washington Office)

**DATE:** Dec. 1963

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**

<table>
<thead>
<tr>
<th>PLANIMETRY</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. E. Smith</td>
<td>March 1964</td>
</tr>
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<table>
<thead>
<tr>
<th>CONTOURS</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inapplicable</td>
<td></td>
</tr>
</tbody>
</table>

**MANUSCRIPT DELINEATED BY (III):**
- J. Honick

**DATE:** March 1964

**SCRIBING BY (III):**
- B. Barnes

**DATE:** Dec. 1964

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**
- W. H. Shearouse

**DATE:** April 1964

**REMARKS:**
- FIELD EDIT
  - R. S. Tibbetts
  - June 1964
  - (Refer to Pages 14 and 19)
### Descriptive Report - Data Record

**T-12299**

**Camera (Kind or Source) (III):**

- *S* and *W* Cameras

#### Photographs (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>62 S 1075A &amp; 1076A</td>
<td>Sept. 1, 1962</td>
<td>0807</td>
<td>1:30,000</td>
<td>+4.3 above MLLW</td>
</tr>
<tr>
<td>63 W 3063</td>
<td>Feb. 21, 1963</td>
<td>1003</td>
<td>1:30,000</td>
<td>+1.0</td>
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</table>

#### Tide (III)

- **Reference Station:** Charleston, South Carolina
- **Subordinate Station:** Murrells Inlet, South Carolina

<table>
<thead>
<tr>
<th>Reference Station</th>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charleston, SC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Murrells Inlet, SC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mean Range:**

- HW: 5.1
- LW: 6.0

**Spring Range:**

- HW: 0.6
- LW: 0.0

#### Additional Information:

- **Washington Office Review by (IV):** L. F. Beugnet, Atlantic Marine Center
- **Date:** Sept. 30, 1966

- **Proof Edit by (IV):**
  - **Date:**

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<td>Identified:</td>
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<td>Identified:</td>
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<tr>
<th>Number of Recoverable Photo Stations Established (III):</th>
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| 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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<td>Manuscript complete pending field edit</td>
<td>March 1964</td>
<td>Superseded</td>
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<tr>
<td>Compilation complete</td>
<td>December 1964</td>
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PROJECT PH-6217
SHORELINE MAPPING
NORTH CAROLINA–CAPE FEAR TO SOUTH CAROLINA–WINYAH BAY

Official Mileage For Cost Accounts
PH-6217

<table>
<thead>
<tr>
<th>Sheet Number</th>
<th>Area Square Miles</th>
<th>Shoreline Linear Miles</th>
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<tr>
<td>12298</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>12299</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>12290</td>
<td>20</td>
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<td>12291</td>
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<td>12292</td>
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<td>12293</td>
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<td>12294</td>
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<tr>
<td>12299</td>
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<td>12300</td>
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<tr>
<td>12302</td>
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</table>

TOTALS 278 311

14 SEPT. 62
Shoreline manuscript T-12299 is one of fifteen similar maps in Project 21059 (PH-6217). The sketch on page 5 of this report shows the position of this map in the project. This is a Kelsh project in advance of hydrographic surveys in the same area. The field operations preceding compilation included recovery and identification of horizontal control and field inspection. The Kelsh compilation was at 1:20,000 scale from which a cronar positive showing shoreline and alongshore features was furnished for preparation of the hydrographer's boat sheet. 1:30,000 scale photographs taken September 1, 1962 and February 21, 1963 were used for compilation. 1:20,000 scale ratio prints were subsequently provided for hydro support purposes. The compilation manuscript is a vinylite sheet 7\(\frac{1}{2}\) minutes in latitude and 7\(\frac{1}{2}\) minutes in longitude from which the smooth sheet was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry after final review.
FIELD INSPECTION REPORT
South Carolina
Project 21059

For data pertaining to this map see field inspection report filed under Map T-12296.

2 March 1964
Submitted by:

Joseph K. Wilson
Chief, Photo Party 6420
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR (\gamma)-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>
</tr>
</thead>
<tbody>
<tr>
<td>ROCH 2, 1962</td>
<td>Vol 3 112</td>
<td>N.A. 1927 225,463.06</td>
<td>2,616,759.36</td>
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</table>
PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-12296

31. **DELINEATION**

The Kelsh Plotter was used.

Field inspection was adequate and no unusual difficulty was encountered.

32. **CONTROL**

See Photogrammetric Plot Report

33. **SUPPLEMENTAL DATA**

None

34. **CONTOURS AND DRAINAGE**

Contours are inapplicable.

Drainage was delineated as inspected or from office interpretation.

35. **SHORELINE AND ALONGSHORE DETAILS**

Shoreline inspection was adequate

No low water line was shown.

36. **OFFSHORE DETAILS**

None

37. **LANDMARKS AND AIDS**

Forms 567 for Aids to Navigation have been submitted to the Washington Office under date of April 9, 1964.

There are no landmarks.
37. **LANDMARKS AND AIDS** (Cont.)

38. **CONTROL FOR FUTURE SURVEYS**

None

39. **JUNCTIONS**

Junctions are in agreement with T-12296 to the north and T-12298 to the west. There is no contemporary survey to the south and east.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No statement

46. **COMPARISON WITH EXISTING MAPS**

Comparison has been made with U.S.G.S. Quadrangle MYRTLE BEACH, S.C. scale 1:62,500 date 1937, Changes noted were to be expected due to the passage of time.

47. **COMPARISON WITH NAUTICAL CHARTS**

Comparison has been made with chart No. 1237 scale 1:80,000, revised 11/5/62.
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD

None

Approved and forwarded:

J. Bull
Director, Atlantic Marine Center

R. E. Smith
Cartographer
Atlantic Ocean
Floral Beach
Garden City Beach
Lakewood
Dick Pond

SURF SIDE BEACH (Reported by F.E.)

A. J. Wraight
Chief, Geographic Branch

NOTE: THE GEOGRAPHIC NAMES BRANCH WAS NOTIFIED OF
THE CHANGES AND ADDITIONS SHOWN IN RED, THE
CHANGES WERE RECOMMENDED BY THE FIELD
EDITOR, ANB
NOV 4, 1966

NOTE: CHANGES VERIFIED BY A. J. WRAIGHT 11/7/66
49. **NOTES FOR THE HYDROGRAPHER:**

None.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>RES</td>
<td>RES</td>
<td>RES</td>
<td>RES</td>
</tr>
<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>
<td>XX</td>
</tr>
<tr>
<td>7. Photo Hydro Stations</td>
<td>XX</td>
<td>8. Bench Marks</td>
<td>XX</td>
</tr>
<tr>
<td>11. Detail Points</td>
<td>KELSH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Rocks, Shoals, Etc.</td>
<td>XX</td>
<td>15. Bridges</td>
<td>XX</td>
</tr>
<tr>
<td>16. Aids to Navigation</td>
<td>RES</td>
<td>17. Landmarks</td>
<td>XX</td>
</tr>
<tr>
<td>18. Other Alongshore Physical Features</td>
<td>RES</td>
<td>19. Other Alongshore Cultural Features</td>
<td>RES</td>
</tr>
<tr>
<td>20. Water Features</td>
<td>RES</td>
<td>21. Natural Ground Cover</td>
<td>RES</td>
</tr>
<tr>
<td>22. Planetable Contours</td>
<td>XX</td>
<td>23. Stereoscopic Instrument Contours</td>
<td>XX</td>
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<tr>
<td>24. Contours in General</td>
<td>XX</td>
<td>25. Spot Elevations</td>
<td>XX</td>
</tr>
<tr>
<td>26. Other Physical Features</td>
<td>RES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30. Other Cultural Features</td>
<td>RES</td>
<td>31. Boundary Lines</td>
<td>XX</td>
</tr>
<tr>
<td>32. Public Land Lines</td>
<td>XX</td>
<td></td>
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<tr>
<td>33. Geographic Names</td>
<td>RES</td>
<td>34. Juncitons</td>
<td>RES</td>
</tr>
<tr>
<td>35. Legibility of the Manuscript</td>
<td>RES</td>
<td>36. Discrepancy Overlay</td>
<td>XX</td>
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<tr>
<td>37. Descriptive Report</td>
<td>RES</td>
<td>38. Field Inspection Photographs</td>
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<tr>
<td>39. Forms</td>
<td>RES</td>
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</tr>
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**Signature of Reviewer:**

**Signature of Supervisor:**

**Signature of Compiler:**

**Use Reverse Side for Remarks**

*PHOTOGRAMMETRIC OFFICE REVIEW*

*12299*

*U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY*

*USE REVERSE SIDE FOR REMARKS*
FIELD EDIT REPORT
T-12299

No formal field edit report was received. Field edit data received on the discrepancy print indicates that the manuscript was field edited in June 1964.
61. GENERAL STATEMENT

See summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with 1:20,000 scale Registered Survey No. 5246.

This map supersedes the listed prior survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. MYRTLE BEACH, S. C. quadrangle, 1:62,500 scale, edition of 1940.

The shoreline along the outer coast is in good general agreement with map T-12299. There are major changes in the interior of the map; namely, additional roads and buildings.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Contemporary hydrographic surveys in this area had not been accomplished at the time of final review.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 1237, 3rd edition, dated June 21, 1965. The shoreline of this chart and map T-12299 are in good agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standard of Map Accuracy.
Reviewed by:

Leo F. Beugnet

Approved by:

J. Bull, CAPT
Director, Atlantic Marine Center

Approved by:

Chief, Cartographic Branch

Chief, Photogrammetry Division
12-06-67

Chief, Chart Division

Chief, Operations Division

Chief, Photogrammetry Division

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

J. Honick

<table>
<thead>
<tr>
<th>STATE</th>
<th>SOUTH CAROLINA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>SEA-COAST DESCRIPTION</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Surfside Fishing Pier</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Surfside Fishing Pier Obstruction (N.E. Cor.)</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Garden City Fishing Pier Obstruction (S.W.COR.)</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Garden City Fishing Pier (N.E. Cor.)</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Garden City Fishing Pier (S.W.COR.)</td>
</tr>
</tbody>
</table>

*Maintained by Surfside Pier Incorporation, Surfside, S.C., the year around.

**Maintained by K. C. Childress, Garden City Beach, S.C. the year around.

(Information furnished by memorandum from Joseph E. Wilson, Chief, Photo Party 6.26, 3-27-64)

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 non-floating 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.

* TRIBUTE SECONDS AND METERS
NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Tampa District Office
March 30, 1961

I recommend that the following objects which have (formerly) been inspected from seaward to determine their value as landmarks be (deleted from) the charts indicated.

The positions given have been checked after listing by

William H. Shearouse

V. Ralph Sotieralaki
Chief of Party

<table>
<thead>
<tr>
<th>STATE</th>
<th>SOUTH CAROLINA - SEACOAST</th>
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<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Pier obstruction lights charted just southwest of Garden City Fishing Pier</td>
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</table>

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<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
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<tr>
<td>LIGHT</td>
<td>(Information for deletion of these pier obstruction lights furnished by Joseph K. Wilson, Chief, Photo Party 64/20, 03/27/64)</td>
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<tr>
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<tbody>
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<td>78 59.9</td>
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| DATE OF LOCATION AND SURVEY NO. | 1927 |
| METHOD OF LOCATION | 1/12/59 |
| DATE OF INSPECTION | 03-27-64 |
| CHARTS AFFECTED | 1237 |

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-35, 6-35, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if reetermined, 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
NOTES TO THE VERIFIER

Contemporary hydrographic surveys in the area of this manuscript had not been made at the time of final review.

The following photographs were used in the manner indicated.

Control Identification - 63-W-3044
Field Inspection - 63-W-3043 and 3044
Field Edit - 62-S-1074A
Final Review - 62-S-1075A thru 1077A, 63-W-3043 and 3044

NOTE: A COMPARISON PRINT WAS SUBMITTED BY THE FINAL REVIEWER; IT WAS DESTROYED, HOWEVER, SINCE IT CONTAINED NO INFORMATION NOT ACCOUNTED FOR IN THE REPORT.
**INSTRUCTIONS**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<td>835-56</td>
<td>1/10/69</td>
<td>Anderson</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 1/10/69, 9:30 a.m.</td>
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<td>Full Part Before After Verification Review Inspection Signed Via Drawing No.</td>
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