# T-12608

**Form 504**

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>SHORELINE (Photogrammetric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Office No.</td>
</tr>
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<table>
<thead>
<tr>
<th>LOCALITY</th>
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<tbody>
<tr>
<td>State</td>
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<tr>
<td>SOUTH CAROLINA</td>
</tr>
<tr>
<td>General locality</td>
</tr>
<tr>
<td>CHARLESTON TO SAVANNAH</td>
</tr>
<tr>
<td>Locality</td>
</tr>
<tr>
<td>WEST END</td>
</tr>
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</table>

| 1964-65 |

<table>
<thead>
<tr>
<th>CHIEF OF PARTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. K. Wilson, Chief, Photo Party 6420</td>
</tr>
<tr>
<td>J. Bull, Director, Atlantic Marine Center</td>
</tr>
</tbody>
</table>

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

PROJECT NO. (III): 21420 Job PH-6407

FIELD OFFICE (III): Georgetown, South Carolina

CHIEF OF PARTY: Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center

OFFICER-IN-CHARGE: J. C. Bull, Director

Atlantic Marine Center

INSTRUCTIONS DATED (III) (IV):
23 April 1964 Field
28 September 1964 Office
22 December 1964 Office, Amendment No. 1

METHOD OF COMPILATION (III):
Kelsh

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):

GEOPHYSICAL DATUM (III):
N.A. 1927

VERTICAL DATUM (III):
MHW

REFERENCE STATION (III): BOG, 1933

LAT.: 32° 41' 08.4124 (259.5m) LONG.: 79° 59' 38.562 (1001.6m)

PLANE COORDINATES (IV):
X = 2,309,505.05 ft.
Y = 311,572.59 ft.

STATE: South Carolina
ZONE: South

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 (Name):**

Robert S. Tibbetts

**Date:**

October-November 1964

**Mean High Water Location (Name) [State Date and Method of Location]:**

Air Photo compilation - May 8, 1964
Field Inspection - July 14, 1964

**Projection and Grids Ruled by (Name):**

A. E. Roundtree

**Date:**

Nov. 1964

**Projection and Grids Checked by (Name):**

P. Hawkins

**Date:**

Nov. 1964

**Control Plotted by (Name):**

A. Santillan

**Date:**

Jan. 1965

**Control Checked by (Name):**

H. Cordell

**Date:**

Jan. 1965

**Radial Plot or Stereoscopic Control Extension by (Name):**

L. Fritz (WO)
J. T. Gerlach (WSC)

**Date:**

No date

**Stereoscopic Instrument Compilation (Name):**

K. Boyle

**Date:**

Jan. 1965

**Contours**

Inapplicable

**Manuscript Delineated by (Name):**

K. Boyle

**Date:**

Feb. 1965

**Scribing by (Name):**

B. Barge

**Date:**

March 1966

**Photogrammetric Office Review by (Name):**

R. E. Smith
R. J. Pate

**Date:**

April 1966

**Remarks:**

*Field Edit: J.A. Brothers*

*July, 1965*
### DESCRIPTIVE REPORT - DATA RECORD

**CAMERA (KIND OR SOURCE)**: S Camera

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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</thead>
<tbody>
<tr>
<td>64 S 1186</td>
<td>May 8, 1964</td>
<td>0918</td>
<td>1:30,000</td>
<td>Below bridge Outer Coast</td>
</tr>
<tr>
<td>1187</td>
<td>&quot;</td>
<td>0919</td>
<td>&quot;</td>
<td>0.7 0.3</td>
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<td>0919</td>
<td>&quot;</td>
<td>0.5 0.3</td>
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<td>1189</td>
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<td>0920</td>
<td>&quot;</td>
<td>0.5 0.3</td>
</tr>
<tr>
<td>64 S 1223</td>
<td>&quot;</td>
<td>0939</td>
<td>&quot;</td>
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<td>1224</td>
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<td>1226</td>
<td>&quot;</td>
<td>0941</td>
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**TIDE** (Predicted)

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<tr>
<th>REFERENCE STATION:</th>
<th>CHARLESTON, SOUTH CAROLINA</th>
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<tbody>
<tr>
<td>SUBORDINATE STATION:</td>
<td>Folly Island (outer coast) S.C.</td>
</tr>
<tr>
<td>SUBORDINATE STATION:</td>
<td>Folly River (below bridge) S.C.</td>
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<table>
<thead>
<tr>
<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
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<tbody>
<tr>
<td>5.2</td>
<td>6.1</td>
<td></td>
</tr>
</tbody>
</table>

| NUMBER OF TRIANGULATION STATIONS SEARCHED FOR | 18 | RECOVERED: 8 | IDENTIFIED: 1 |
| NUMBER OF BM(S) SEARCHED FOR | 3 | RECOVERED: 0 | IDENTIFIED |

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED**: None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED**: None

**REMARKS**: None
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<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Alongshore area for hydro</td>
<td>Feb. 1964</td>
<td>Superseded</td>
</tr>
<tr>
<td>Field Edit Applied</td>
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<tr>
<td>Manuscript Complete</td>
<td>Dec. 1965</td>
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PROJECT 21420 (PH-6407)

SHORELINE MAPPING
Georgia & So. Carolina
CHARLESTON to SAVANNAH

SCALES = 1:10,000 & 1:20,000
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12608

Shoreline manuscript T-12608 is one of six 1:10,000 scale manuscripts in Ph-6407 (Charleston to Savannah, Ga.), which also contains twelve 1:20,000 scale maps. The sketch on page 5 of this report shows the position of this manuscript in the project.

This is a stereo-instrument project in advance of hydrographic surveys of the area. All the photographs for T-12608 are panchromatic taken at 1:30,000 scale with the "S" camera on May 8, 1964. The stereo-bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. Ratio prints, at 1:10,000 scale were processed, and provided for photo-hydro support.

Field work preceding compilation consisted of control identification and field inspection was provided for compilation. The manuscript was field edited in conjunction with photo-hydro support.

The compilation manuscript was a vinylite sheet 3 minutes, 45 seconds in latitude, and 3 minutes 45 seconds in longitude. The smooth manuscript was on cronaflex for review. One cronar positive and one cronar negative are furnished for registry and record after final review.
2. AREA FIELD INSPECTION

This report is submitted for shoreline maps covering from South Edisto River to Light House Inlet, all of which falls in Charleston County, South Carolina. The work was accomplished during the period 21 October 1964 to 13 November 1964.

The portion bordering the Atlantic Ocean for the most part consists of high sand dunes along the ocean with marsh and swamp behind, the exceptions being Edingsville Beach and Botany Bay Island. These beaches are very low and narrow, and are awash at extreme high tides.

The area is sparsely settled. The major occupation in the area appears to be farming except for the summer vacation areas of Folly and Edisto Beaches.

The field inspection was carried out on 1964 Contact prints, 1:30,000 scale. The photographs were of excellent quality and little or no difficulty was encountered in the delineation of these maps.

3. HORIZONTAL CONTROL

Horizontal control stations that were selected to be identified on the photographs were recovered along with part 2 of this project. No attempt was made to revisit these stations. The remaining recovery was as per instructions.

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

T-12608

FOLLY BRIDGE WINDMILL, 1934
FOLLY SOUTH, 1943
SIDE, 1934
SNAKE ISLAND WINDMILL, 1933
STONO INLET BEACON NO. 1, 1933
" " " " 2, 1933
" " " " 3, 1933
" " " " 5, 1933
STONO INLET RED AND BLACK BEACON, 1933
WINDMILL WITH TWO BLADES, 1932

T-12609

FOLLY ISLAND RADIO COMPASS STATION, 1921
FOLLY ISLAND RADIO MAST, 1934
FOLLY ISLAND RADIO TOWER, 1934
MID, 1921

T-12610

BANK, 1933
DAWHO RIVER BEACON NO. 1, 1933
DAWHO RIVER BEACON NO. 2, 1933
  " " " " 3, 1933
  " " " " 4, 1933
  " " " " 6, 1933
  " " " " 8, 1933
DAWHO RIVER LIGHT NO. 2, 1933
  " " " " 5, 1933
  " " " " 7, 1933
DISTO, 1933
RABBIT'S POINT SHED, 1933
STEAM, 1923
WATT, 1933
WATTS (USE) 1933
WHALEY (USE) 1933
WHO, 1933

T-12611
ANDELL, 1933
BOHICKET CREEK BEACON, 1933

T-12612
KEY, 1921
POND, 1915

4. VERTICAL CONTROL

A search was made for all tidal bench marks within these maps. One mark in each group recovered was identified on the photographs.

5. COUNTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is almost entirely composed of tidal streams. Normal drainage is generally by direct run-off or seepage through the sand into the marsh, swamps or tidal streams.

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 or reference measurement in accordance with current instructions. No attempt was made to delineate the low water line.

The outer shoreline is generally a wide white sand beach bounded by a dense growth of low scrub pine, palmetto palms or myrtle bushes. These beaches seem to be subject to severe erosion. An attempt has been made to check this erosion on Folly and Edisto Islands by groins constructed perpendicular to the beach.

There are six inlets within this part of the project. Only two have buoyed channels; namely, North Edisto River and Stono Inlet.
8. **OFFSHORE FEATURES**

   One piling was located in Folly Inlet by theodolite cuts.
   One wreck has been pricked and noted on Photo no. 64S 1195.

9. **LANDMARKS AND AIDS**

   All nautical landmarks were investigated and reported on along with part 2 of this project.

   Seven fixed aids to navigation have been investigated at this time, and are reported on Form 567.

   North Edisto River Entrance Range Rear Light was moved forward approximately fifteen feet on range during the period 13 to 19 August 1963. This light had a 1963 triangulation intersection position on it. It is not known whether or not this position was determined before or after it was moved; however, the light has been pricked on photo 64S 1214 and the azimuth of the range was re-determined by turning an angle between HALEY FM 3, 1963, and the Rear Range Light from the top of the front range.

10. **BOUNDARIES, MONUMENTS AND LINES**

    There have been no boundary lines shown.

11. **OTHER CONTROL**

    There were no topographic stations established.

12. **OTHER INTERIOR FEATURES**

    All roads were classified in accordance with current instructions.

    Field Inspection of buildings was done in accordance with current instructions.

    No new bridges or cables were noted during this survey.

    Interior marsh and swamp limits have been shown on the photographs.

13. **GEOGRAPHIC NAMES**

    See Mr. Wilson's report dated 17 July 1964.

14. **SPECIAL REPORTS AND SUPPLEMENTAL-DATA**

    See Mr. Wilson's report.
    Forms 567 and 24A will be forwarded with this report.

Respectfully submitted,

[Signature]
Robert S. Tibbetts
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR ( \lambda ) COORDINATE</th>
<th>LONGITUDE OR ( \phi ) COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<tr>
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<td>FORWARD (BACK)</td>
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<td>FORWARD (BACK)</td>
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<td>HERNAN, 1933</td>
<td>PC'S SOUTH 1927</td>
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<td>PC S p.130</td>
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<td>DESC 203 p.99</td>
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<td>BOG, 1933</td>
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<td>DESC 203 p.67</td>
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<td>BRUCE, 1933</td>
<td>PC S p.20</td>
<td>295.844.74</td>
<td>2,315.886.34</td>
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<td>KAROW, 1933</td>
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<td>203 p.96</td>
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<tr>
<td>LONG, 1934</td>
<td>PC S p.171</td>
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<td>SABLE 1933</td>
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<td>SIDE, 1934</td>
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<td>307.563.23</td>
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<td>FOLLY RIVER LIGHT 9, 1963</td>
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<td>1,680.7 (1,580.0)</td>
<td>978.3 (585.7)</td>
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<td>FOLLY RIVER LIGHT 11, 1963</td>
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<td>357.5 (120.5)</td>
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<td>LONG: 79° 59' 13.715&quot;</td>
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<td>SOL, 1933</td>
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</table>
Aerotriangulation Report
Project No. 21420
Charleston, South Carolina to Savannah, Georgia

21. Area Covered
The bridging covers the Atlantic Coast Shoreline of an area between Charleston, South Carolina to Savannah, Georgia.

22. Method
Nine strips were bridged on the Zeiss C-5 and C-9 stereoplanigraphs to provide control for compilation of shoreline.

<table>
<thead>
<tr>
<th>Strip No.</th>
<th>Photos</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>64S 1206 - 1227</td>
</tr>
<tr>
<td>3</td>
<td>64W 4269 - 4273</td>
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<tr>
<td>4</td>
<td>64W 4276 - 4284</td>
</tr>
<tr>
<td>5</td>
<td>64W 4306 - 4312</td>
</tr>
<tr>
<td>6</td>
<td>64W 4296 - 4294</td>
</tr>
<tr>
<td>7</td>
<td>64W 4290 - 4294</td>
</tr>
<tr>
<td>8</td>
<td>64W 4314 - 4327</td>
</tr>
<tr>
<td>9</td>
<td>64W 4332 - 4337</td>
</tr>
<tr>
<td>10</td>
<td>64W 4286 - 4290</td>
</tr>
</tbody>
</table>

Strip #2 consisting of photos 64S 1184 - 1203 was not bridged. However, the points were dropped from Strip #1 to provide control for graphic compilation of the area.

All strips were 1:30,000 scale photography.

23. Adequacy of Control
Control positions were adequate for bridge adjustment. However, the northeast end of Strip #1 was run as a separate bridge due to difficulty in holding the control. Both segments had control station Hernan in common. The points between the two bridges were averaged.

Strip #7 was also interrupted due to a water gap and divided into two bridges, #7 and #10.

Strip #9 was ended at control station Queen because Station Proctor (use) would not hold. This was probably due to an error in azimuth.
Aerotriangulation Report
Project No. 21420
Charleston, S.C. to Savannah, Ga.

Amendment to Report of Nov. 1964

Strip 9-A, consisting of photos 64-W-4329 through 4332, was bridged using three triangulation stations as control. Station Proctor Use, 1932 (SS #1) was of very poor image quality and could not be held in the bridge. A secondary straight line adjustment was applied to the junction area of Strips 8 and 9. This junction is weak but within National Map Accuracy Standards.

Submitted by:

John D. Perrow, Jr.
All other points held within accuracy requirements.

All common pass points between the strips were averaged.

24. Supplemental Data

A number of objects identified as landmarks were used as check control stations and held within accuracy requirements.

25. Photography

Photography was adequate as to coverage, overlap and definition.

26. Recommendations

Ratio prints of Strip #2, at a scale of 1:20,000, have been ordered and will be submitted separately.

Submitted by:

Lawrence Fritz
John T. Gerlach

Approved by:

John D. Perrow, Jr.
AEROTRIANGULATION SKETCH
PROJECT 21420
SHORELINE MAPPING
GEORGIA & SO. CAROLINA
CHARLESTON TO SAVANNAH
9-5-64
Aerotriangulation Report submitted with this report.

31. **DELINEATION**
   Kelsh plotter was used.
   Field inspection was adequate.
   Photography was satisfactory.

32. **CONTROL**
   See aerotriangulation report.

33. **SUPPLEMENTAL DATA**
   None

34. **CONTOURS AND DRAINAGE**
   Contours inapplicable.
   Drainage was delineated from office interpretation.

35. **SHORELINE AND ALONGSHORE DETAILS**
   Shoreline inspection was adequate.
   Low water line was delineated from office interpretation.

36. **OFFSHORE DETAILS**
   No statement

37. **LANDMARKS AND AIDS**
   Appropriate copies of form 567 for Aids have been forwarded to the Washington Office under date of April 1966.
   There are no landmarks.
38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions were made with T-12609 to the east and T-12612 to the south. No contemporary survey to the north and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison made with U.S.G.S. quadrangle JAMES ISLAND, S.C., scale 1:24,000, dated 1959.

47. COMPARISON WITH NAUTICAL CHARTS


It is noted that Bird Key at the entrance of Stono River has eroded away to a very small island.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

A. Santillan
Cartographic Aid

Approved and Forwarded:

J. C. Bull
Director, Atlantic Marine Center
18. **GEOGRAPHIC NAME LIST**

ATLANTIC OCEAN
BIRD KEY
COLE ISLAND
COLE CREEK
CUTOFF REACH
FOLLY BEACH *(Area & Community)*
FOLLY ISLAND
FOLLY RIVER
GREEN CREEK
KIawah ISLAND
OAK ISLAND CREEK
RAT ISLAND CREEK
ROBBINS CREEK
SANDY POINT
STONO INLET
TEAL ISLAND
WEST END
Atlantic Ocean **
Bird Key
* Bowen Island
Cole Creek
Cole Island
Cutoff Reach
Folly Beach (Area & Community)
Folly Creek
Folly River
Green Creek
* Holland Island Creek
Kiawah Island
* King Flats Creek
* Long Island
* Oak Island
Oak Island Creek
* Pea Island
* Sol Legare Island
Stono Inlet
* Stono River
Teal Island
Robbins Creek
* The Flats
West End

North of compilation limits

On Final Names Sheet (Jan-01, SC quad) furnished by Geo. Names Section.

A. J. Wraith
Geographic Names
49. NOTES FOR THE HYDROGRAPHER

None
<table>
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<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>RJP</td>
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**CONTROL STATIONS**

<table>
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<tr>
<th>5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</th>
<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
<th>7. PHOTO HYDRO STATIONS</th>
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</thead>
<tbody>
<tr>
<td>RJP</td>
<td>XX</td>
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<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>
</tr>
</thead>
<tbody>
<tr>
<td>XX</td>
<td>RES</td>
<td>BRIDGE (WO)</td>
<td>KELSH</td>
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**AALONGSHORE AREAS (Nautical Chart Data)**

<table>
<thead>
<tr>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
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</thead>
<tbody>
<tr>
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**PHYSICAL FEATURES**

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**CULTURAL FEATURES**

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**MISCELLANEOUS**

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<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
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<th>SUPERVISOR, REVIEW SECTION OR UNIT</th>
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<tr>
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<td>Albert C. Readey</td>
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**REMARKS**

41. REMARKS (See attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

**COMPILER**

<table>
<thead>
<tr>
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<th>SUPERVISOR</th>
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</thead>
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<tr>
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<td>Albert C. Readey</td>
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**REMARKS**

43. REMARKS
GENERAL

Photo-hydro support to the SHIP PEIRCE was started in February 1965 and ended 1 July 1965. During this period signals for hydrography were located and built for manuscripts T-12608, T-12609, T-12612 and to the mouth of the North Edisto River on T-12611.

The SHIP PEIRCE discontinued operations on 1 July 1965 and inshore hydrography is believed to have been completed on manuscripts T-12608 and T-12609, and partially completed on manuscript T-12612.

Upon close of operations signals were removed, but in all cases a center portion of the signal was left in place to aid recovery for future use.

DATA:

All data, photographs and manuscripts in possession of this party at close of operations have been forwarded to the Norfolk Regional Officer.

Chronaflex positive prints (blue-line substitutes) T-12608, thru T-12614 and manuscripts T-12608, T-12609, T-12611 and T-12612 are in possession of the Commanding Officer, SHIP PEIRCE. Manuscript T-12611 has signals located to the East shore of the mouth of the North Edisto River and will have to be returned to the field party before operations are resumed, or a new manuscript copy issued.

FIELD EDIT:

Field edit of the following manuscripts has been completed and the following discrepancy prints forwarded to the Norfolk Regional Officer; T-12608 thru T-12614, T-12617, T-12809 and T-12810.

Respectfully Submitted
July 16, 1965

John A. Brothers
Surveying Technician
I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks be charted on (from) the charts indicated.
The positions given have been checked after listing by

Lowell O. Menter, Jr.
Director, Coastal and Geodetic Survey
Chief of Party

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This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 6-36, Fig. 79. Positions of charted landmarks and non-floating aids to navigation, if re-determined, 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
# TIDE CORRECTION

**PROJECT NO. Ph.2420-T - 12609+12608**

**Time and date of exposure**: 09.17 May 64
**Reference station**: CHARLESTON, SOUTH CAROLINA

**Date of field inspection**: JUNE, 1964
**Subordinate station**: Folly Island (Outer Coast), S.C.

**Mean range**: 5.2
**Spring range**: 8.7
**Ratio of ranges**: ______

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| Duration of rise or fall | 6.21 |

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**Corrected time at Subordinate station**: 04.18
**Time difference**: -0.15
**Low tide at Ref. Sta.**: 10.57
**Time difference**: -0.18
**Corrected time at Subordinate station**: 10.39

**Computed by**: [Signature]
**Checked by**: [Signature]
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Computed by Billy H. Barnes. Checked by ___________.
61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-11311, 1:10,000 scale, 1957, final review February 1958.

The shoreline at WEST END has moved inland about 75 meters, and the size and shape of BIRD KEY has changed.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES


Agreement is fair, the changes in shoreline are to be expected in this area.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

BOAT SHEET PE-20-1-65, 1:20,000, no date.

The field edit in July 1965 revealed some changes in the shoreline from the one used on the boatsheet, which was from the November 1964 field inspection.

A building, apparently a pavilion, offshore at longitude 79°56' 23", and two small structures in ruins offshore at longitude 79°56' 43" are omitted from the boatsheet.

The islet at latitude 32°37' 41" longitude 79°59' 20" is not on the boatsheet. The field editor made no note of a change since inspection.

65. COMPARISON WITH NAUTICAL CHARTS


There are some relatively minor shoreline changes, and the following specific differences:

1. The chart shows a rock at latitude 32°38' 22" longitude 79°59' 01". There is a small marsh island nearby, but no evidence of a rock or a shell bank could be seen on the photographs. Neither the field inspector nor the field editor noted it.
2. Ten groins on the southshore of Folly Island have been omitted from the chart.

3. A building, at latitude 32° 36' 42" longitude 79° 57' 14" on the chart, was originally compiled, and the field editor was asked to check it. He questioned its value as a landmark building and recommended its deletion, see Field Edit Ozalid.

4. The small island at latitude 32° 37' 41" longitude 79° 59' 20" is omitted from the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Future surveys should verify the delineation of notes 1, 3, and 4 as listed in Item 65.

Reviewed by:

M. M. Slavney

Approved by:

J. Bull, CAFI, US ESSA
Director, Atlantic Marine Center

Approved by:

Chief, Cartographic Branch

Chief, Photogrammetry Division

Chief, Chart Division

Chief, Operations Division
NOTES TO VERIFIER
T-12608 Project 21420 (Ph-6407)
BOAT SHEET No. PE-20-1-65

The field edit in July 1965 revealed some changes in the shoreline from the shoreline on the boat sheet, which was from the November 1964 field inspection.

A building, possibly a pavilion, offshore at longitude 79°56'23"; and two small structures in ruins offshore at longitude 79°56'43" were omitted from the boat sheet.

The islet at latitude 32°37'41" longitude 79°59'20" is not on the boat sheet. The field editor made no note of a change since the inspection.