**DESCRIPTIVE REPORT**

**Type of Survey**  SHORELINE (Photogrammetric)

**Field No.**  
**Office No.**  T-12618

**LOCALITY**

**State**  SOUTH CAROLINA

**General locality**  CHARLESTON, S. C. TO SAVANNAH, GA.

**Locality**  CALIBOGUE SOUND

**1964-65**

**CHIEF OF PARTY**

J. K. Wilson, Chief, Photo Party 6420

Allen L. Powell, Director, A. M. C.

**LIBRARY & ARCHIVES**

**DATE**  

*USCGOM-OE 5087*
DESCRIPTIVE REPORT - DATA RECORD

T 12618

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

FIELD OFFICE (III):
BEAUFORT, SOUTH CAROLINA

CHIEF OF PARTY
Joseph K. Wilson

PHOTOMGRAMMETRIC OFFICE (III):
Atlantic Marine Center

OFFICER-IN-CHARGE
Allen L. Powell
Director, Atlantic Marine Center

INSTRUCTIONS DATED (III) (III):
April 23, 1964  Field
September 28, 1964  Office
December 22, 1964  Office Amendment 1
February 17, 1971  Office (Final Review)

METHOD OF COMPILATION (III):
Keish

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):

GEOREGRAPHIC DATUM (III):
N.A. 1927

REFERENCE STATION (III):
MACX, 1931

LAT.: 32° 17.37° (535.2m)

LONG.: 80° 17.59° (1548.0m)

STATE South Carolina

ZONE South

PLANE COORDINATES (IV):
147,352.89 ft.  x = 2,067,073.74 ft.

X ADJUSTED

MEAN H.E. LEVEL EXCEPT AS FOLLOWS:
Elevations shown as (25) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

VERTEICAL DATUM (III):

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (III) FIELD PARTY, (III) PHOTOMGRAMMETRIC 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):**  
Matthew A. Stewart  
**DATE:** May 1964

**MEAN HIGH WATER LOCATION (III) [STATE DATE AND METHOD OF LOCATION]:**  
Air photo compilation - Date of photographs - March 13, 1964  
Field Inspection - June 1964

**PROJECTION AND GRIDS RULED BY (IV):**  
A. E. Roundtree  
**DATE** Nov. 19, 1964

**PROJECTION AND GRIDS CHECKED BY (IV):**  
P. Hawkins  
**DATE** Nov. 19, 1964

**CONTROL PLOTTED BY (III):**  
A. Santillan  
**DATE** Jan. 1965

**CONTROL CHECKED BY (III):**  
H. Cordell  
**DATE** Jan. 1965

**RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):**  
**DATE**

**STEREOSCOPIC INSTRUMENT COMPILATION (III):**  
**DATE**

<table>
<thead>
<tr>
<th>PLANIMETRY</th>
<th>CONTOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>K. Boyle</td>
<td>Inapplicable</td>
</tr>
</tbody>
</table>

**MANUSCRIPT DELINEATED BY (III):**  
A. Santillan  
**DATE** March 1966

**SCRIBING BY (III):**  
**DATE**

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**  
R. E. Smith  
**DATE** May 1966

**REMARKS:**
### DESCRIBITIVE REPORT - DATA RECORD

**W Camera**

### PHOTOGRAHES (III)

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<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>
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<td>Mar 13, 1964</td>
<td>1005</td>
<td>1:30,000</td>
<td>3.7</td>
</tr>
<tr>
<td>6h W 4319</td>
<td>II</td>
<td>1006</td>
<td></td>
<td>4.0</td>
</tr>
<tr>
<td>6h W 4320</td>
<td>II</td>
<td>1006</td>
<td></td>
<td>4.0</td>
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### TIDE (III) Predicted

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<tr>
<th>REFERENCE STATION:</th>
<th>SAVANNAH RIVER ENTRANCE, GA.</th>
<th>RATIO OF RANGES</th>
<th>MEAN RANGE</th>
<th>SPRING RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>6.9</td>
<td>8.1</td>
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<table>
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<tr>
<th>SUBORDINATE STATION:</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>6.2</td>
<td>7.3</td>
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**Atlantic Marine Center**

**REVIEW BY (IV):** C. H. Bishop

**DATE:** 6-24-71

**PROOF EDIT BY (IV):**

**DATE:**

**NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):** 30

**RECOVERED:** 18

**IDENTIFIED:** 0

**NUMBER OF BM(S) SEARCHED FOR (III):** 9

**RECOVERED:** 9

**IDENTIFIED:** 3

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

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

**REMARKS:**
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<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>March 1966</td>
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<tr>
<td>Final review</td>
<td>June 1971</td>
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</tbody>
</table>
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-12618

This shoreline manuscript, scale 1:20,000, is one of 18 maps that comprise Project PH-6407, Charleston, South Carolina to Savannah, Georgia. The sketch on page 5 of this report shows the location of T-12618 in the project.

Compilation was by stereo-instrument. All of the photographs for T-12618 are 1:30,000 scale panchromatic taken with the "W" camera on March 13, 1964. The stereo-bridge was run and adjusted to field identified control in the Rockville Science Center. Compilation was done with the Kelsh Plotter in the Atlantic Marine Center. Ratio prints at 1:20,000 scale were prepared for photo-hydro support, but hydrography was not accomplished as of June 1971.

Field work before compilation consisted on control identification and field inspection. This map was not field edited.

Final review was done at the Atlantic Marine Center in June 1971.

The compilation manuscript was a vinylite sheet 7 1/2 minutes in latitude by 7 1/2 minutes in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.
FIELD INSPECTION REPORT
Project 21420 (Part 2)
Maps T-12613 thru T-12621
Georgia and South Carolina

This report is submitted for nine Shoreline Maps since there are no great differences in terrain, natural or cultural features which would require special treatment.

2. AREAL FIELD INSPECTION

The area lies between Savannah River and Northeastward to a point just South of Edisto Beach. It includes the outside shoreline and a part of Savannah River, Port Royal Sound and St. Helena Sound. 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.

The portion bordering the Atlantic Ocean consists of high sand dunes along the ocean with marsh and swamp behind.

The town of Savannah is located just West of the most Southern maps whereas the town of Beaufort is centrally located. Most of the land is owned by private interests and in many cases, special permission is required to enter the properties.

The photographs were taken in the spring of 1964. The photographic quality was good for the entire area. The tones were found to be similar to other areas along the South Atlantic Coast.

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

<table>
<thead>
<tr>
<th>T-12613</th>
<th>T-12614</th>
<th>T-12615</th>
<th>T-12616</th>
<th>T-12617</th>
<th>T-12618</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-W-4269</td>
<td>64-S-1202</td>
<td>64-W-4298 thru 4302</td>
<td>64-W-4279</td>
<td>64-W-4271</td>
<td>64-W-4319</td>
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<tr>
<td>4270</td>
<td>1203</td>
<td>4289 thru 4291 thru</td>
<td>thru</td>
<td>thru</td>
<td>thru</td>
</tr>
<tr>
<td>64-S-1206</td>
<td></td>
<td>4307 thru 4311</td>
<td>4283</td>
<td>4273</td>
<td>4320</td>
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<table>
<thead>
<tr>
<th>T-12619</th>
<th>T-12620</th>
<th>T-12621</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-W-4315 thru 64-W-4318</td>
<td>64-W-4324 thru 64-W-4327</td>
<td>64-W-4321 thru 64-W-4323</td>
</tr>
<tr>
<td>4286 thru 4288</td>
<td>4329 thru 4334</td>
<td>4335 thru 4337</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 enlarged sections of the photographs. This was the first time our party had used the enlarged sections for this purpose. In most cases there was no difficulty and it is believed that the substitute points selected enhanced the accuracy and quality of the points. However, there was difficulty at one station (VENUS 2). The station was pricked direct as there was a small steel stand
over the mark. The substitute point could only be seen good on two of the four photographs. This point has been marked doubtful.

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

**T-12613**
ASH 1919  
BEK (BEACON NO 1), 1934  
BUTCHERS ISLAND 1857  
CENTRAL 1913  
COMBAHEE BANK LIGHT 1955  
EGG 4, 1933  
EGG BANK PASSAGE DAYBEACON A11, 1955  
EGG BANK PASSAGE DAYBEACON A9, 1955  
EGG BANK PASSAGE DAYBEACON A7, 1955  
EGG BANK PASSAGE DAYBEACON A5, 1955  
EGG BANK PASSAGE DAYBEACON A4, 1955  
GREEN BEACON 1933  
GUS (BEACON NO 2) 1934  
HARBOR RIVER DAYBEACON A14, 1955  
HUTCHINSON 2, 1933  
PALLESTO 1933  
PELICAN BANK DAYBEACON A2, 1955  
PELICAN BANK DAYBEACON A1, 1955  
RED BEACON 1933  
SOUND 1933  
WHARF 1933

**T-12614**
ED 1921

**T-12615**
ARCH 1921  
ARCHE CREEK BEACON 1933  
BASE 1 (USE) 1931  
BEAUFORT RIVER LIGHT 17, 1955  
BEAUFORT RIVER LIGHT 13A, 1955  
BUG 1933  
BROOKLYN 1859  
CHOW 1933  
FORT FREMONT OBSERVATION TOWER 1931  
DOS 1931  
FORT FREMONT BEACON 1931  
NORTH 1931  
PARRIS ISLAND WATER TANK (WHITE WITH BLACK TOP) 1932  
PARRIS ISLAND, LOW WHITE STACK 1932  
PARRIS ISLAND SILVER WATER TANK 1932  
PARRIS ISLAND MARINE CORPS RECRUIT DEPOT AIR STRIP BEACON 1955  
PARRIS ISLAND HIGH BRICK STACK 1932  
PARRIS ISLAND STACK (HIGHEST OF TWINS) 1932
PARRIS ISLAND MARINE CORPS, RECRUIT DEPOT, AIR CONTROL TOWER 1955
PARRIS (USE) 1931
PORT ROYAL SOUND LIGHT NO 1, 1955
SKULL CREEK DAYBEACON 4, 1955
SKULL CREEK ENTRANCE LIGHT 3, 1955
SKULL CREEK DAYBEACON 5, 1955
SPIT 1933
TRIANGULAR BEACON 1931

T-12616
BULL 1933
MID 1931
TIDE 1933

T-12617
STORY RIVER DAYBEACON A16, 1955
TEMPORARY 1955

T-12618
BACK 1931
BULLPOINTE FRONT RANGE 1931
BUCK 2, 1931
FROB 1931
WAG 1931
MARES 2, 1931
MARTIN 1933
NO 9 (USE) 1931
OCHE 1921
SIEBER 1931
SOUTH 1931
ULMER 1933

T-12619
HILTON FRONT 1931
STONEY PLANTATION, BAPTIST CHURCH 1931
TON 1931
TON 2, 1955
WALT 3, 1955

T-12620
BARNES PLACE LIGHT (OGLETHORPE REAR RANGE LIGHT) 1913
BLOODY 1932
BUSH (USE) 1932
ELBA ISLAND FLATS, LIGHT NO 11, 1932
FIELDS CUT NO 1 (USE) 1932
LOWER FLATS REAR RANGE LIGHT 1932
LAZACETTE CREEK HIGHWAY BRIDGE CENTER OF SWING SPAN 1932
LONG ISLAND CROSSING FRONT RANGE LIGHT 1933
LONG ISLAND CROSSING REAR RANGE LIGHT 1933
NEW CHANNEL REAR RANGE LIGHT 1932
NORTH CORNER OF OLD TOWER 1932
PERRY (USE) 1934
PALMETTO 1933
QUARANTINE TANK FINIAL 1932
QUARANTINE (USE) 1932
TOPO 1934
TYBEE KNOCK CUT FRONT RANGE LIGHT 1932
UPPER FLATS FRONT RANGE TARGET 1932
UPPER FLATS REAR RANGE LIGHT 1932
WALLS CUT BEACON NO 6, 1932
WALLS CUT BEACON NO 8, 1932
WILMINGTON 1857
WILMINGTON ISLAND BLACK VENTILATOR, OGLETHORPE HOTEL 1933
WRIGHT 1932

T-12621

BRAD 1931
DO 1916
FORT SCREVEN WATER TANK 1932
SAVANNAH BEACH, CASINO SOUTH COPOLA 1913
SAVANNAH BEACH, CASINO NORTH COPOLA, 1913
TYBEE ISLAND TANK 1932

4. VERTICAL CONTROL

A search was made for all tidal bench marks within the limits of these maps. Form 685A was submitted for each mark. One mark in each group was identified on the photograph, except in a few cases where there was no coverage.

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, swamp or the 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 in accordance with current instructions. No attempt was made to delineate the low-water line.

The field inspector accomplished this phase 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. The photography is recent, therefore, there have been no great changes.

8. **OFFSHORE FEATURES**

Several piling etc. were located either by sextant fix or theodolite cuts during this survey.

The obstruction reported at Lat. 32-01 - Long. 80-50 chart 1240, could not be seen at low-water.

Your attention is invited to the restricted area in Broad River, near Archers Creek. It is believed that the restricted area should be enlarged on the charts since most of this portion of the river is under fire by the marine guns.

9. **LANDMARKS AND AIDS**

All Nautical Landmarks have been investigated in the field and are reported on form 567.

All fixed Aids to Navigation were investigated and are reported on form 567. Third-order positions were obtained for the following:

- Tybee Knoll Cut Range Rear Light, 1964
- Tybee Range Front Light, 1964
- Jones Island Range Front Light, 1964
- Fort Royal Entrance, Channel Front Range Light, 1964

Four private aids in the Calibogue Sound area are recommended for charting. The aids were located by several methods: Cuts from triangulation stations and photo points, by sextant fixes, or identified directly on the photograph.

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 Photogrammetry Instructions number 56.

Field Inspection of buildings was done in accordance with Photogrammetry Instructions Number 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

The investigation of Geographic Names will be handled slightly different from that called for in Project Instructions. This change in procedure was recommended by Dr. A. J. Wraight, Chief, Geographic Names Branch.

A systematic and complete investigation of Geographic Names was made from Savannah River North and East to Latitude 32-15. The remainder of the project will be investigated for discrepancies and New Names only.

The change in procedure is due to the recent investigation of names in the project during the years 1955, 1956 and 1957.

The Geographic Names Reports will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Transmitting letters for Horizontal Control Identification were mailed to Washington separately for Part 1 and Part 2 of the Project. Part 1 was mailed on 10 July 1964, and Part 2 on 7 July 1964.

Form 567 will be forwarded with this report.

17 July 1964
Submitted by:

Joseph K. Wilson
Chief, Photo Party 6420
November 1964

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>
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<tbody>
<tr>
<td>1</td>
<td>64S 1206 - 1227</td>
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<tr>
<td>2</td>
<td>64W 4269 - 4273</td>
</tr>
<tr>
<td>3</td>
<td>64W 4276 - 4284</td>
</tr>
<tr>
<td>4</td>
<td>64W 4306 - 4312</td>
</tr>
<tr>
<td>5</td>
<td>64W 4296 - 4302</td>
</tr>
<tr>
<td>6</td>
<td>64W 4290 - 4294</td>
</tr>
<tr>
<td>7</td>
<td>64W 4314 - 4327</td>
</tr>
<tr>
<td>8</td>
<td>64W 4332 - 4337</td>
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<tr>
<td>9</td>
<td>64W 4286 - 4290</td>
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<tr>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Strip #2 consisting of photos 64S 1184 - 1203 was not bridged. However, tie 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. Data segments had control station Hernan in common. Tie 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 Stations Wester (1940) would not hold. This was probably due to ice cover in stream.
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**

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

Submitted by:

\[\text{Signature}\]

Lawrence Fritz
John T. Gerlach

Approved by:

\[\text{Signature}\]

John D. Perrow, Jr.
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. Ferrow, Jr.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR-Coordinate</th>
<th>LONGITUDE OR-Coordinate</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
<th>FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)</th>
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<td>HILTON HEAD, FOREST BEACH WATER TANK</td>
<td>Form 164 NA 1927 WO</td>
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<td>2,075,612.68</td>
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<td>108,931.80</td>
<td>2,070,926.87</td>
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<td>BACK, 1931</td>
<td>PCs S p.13 DESC 203, p 56</td>
<td>115,820.52</td>
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<td>✓</td>
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<td>BLUFFTON, 1933</td>
<td>GP s p.103 PC s p.10 DESC 203 p.104</td>
<td>115,141.01</td>
<td>2,037,338.34</td>
<td>✓</td>
<td>✓</td>
<td>West of sheet - not plotted CB</td>
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<td>BUCK, 2, 1931</td>
<td>PCs S p.43 DESC 203 p. 57</td>
<td>112,593.97</td>
<td>2,061,951.41</td>
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<td>✓</td>
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<td>CALIBOQUE SOUND LIGHT 29, 1964</td>
<td>Field GP Photoset</td>
<td>32° 11' 17.990&quot;</td>
<td>80 46 58.191</td>
<td>✓</td>
<td>✓</td>
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<td>Field GP Photoset</td>
<td>32° 10' 00.969</td>
<td>80 47 45.705</td>
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<td>DAUFUSKIE ISLAND REAR RANGE, 1920</td>
<td>GP S p.111 PC S p.112 DESC 203 p.19</td>
<td>113,444.23</td>
<td>2,050,564.00</td>
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<td>PC S p.13 DESC 203 p. 2l</td>
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<td>2,056,292.81</td>
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<td>GRAHAM, 1858</td>
<td>PC s S p.43 Desc. p.46</td>
<td>114,586.56</td>
<td>2,074,672.36</td>
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<td>114,135.03</td>
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<td>HAM, 1931</td>
<td>PC S p.43 DESC.203 p.62</td>
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<td>STATION</td>
<td>SOURCE OF INFORMATION (INDEX)</td>
<td>DATUM</td>
<td>LATITUDE OR $y$-COORDINATE</td>
<td>LONGITUDE OR $x$-COORDINATE</td>
<td>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</td>
<td>DATUM CORRECTION</td>
<td>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</td>
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1 FT = 0.304806 METER

COMPUTED BY: BLB DATE: 1-26-65
CHECKED BY: BHB DATE: 2-1-65
COMPILATION REPORT
T-12618

31. DELINEATION

The Kelsh plotter was used. Field inspection was adequate. Photography was satisfactory.

32. CONTROL


33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated as inspected or from office interpretation of the photography.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

The low water line was delineated from office interpretation of the photography.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Appropriate copies of Form 567 for Landmarks and Aids to Navigation have been submitted to the Washington Office under date of April 29, 1966.
38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with T-12619 to the east and T-12621 to the south. No contemporary surveys to the north or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle BLUFFTON, S. C., scale 1:24,000, dated 1956.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 571, scale 1:40,000, 12th edition, dated November 2, 1960, revised April 1, 1963, and Chart 440, scale 1:40,000, 30th edition, dated December 7, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

A. Santillan
Cartographic Aid

Approved:

Allen L. Powell, RADN, NOAA
Director, Atlantic Marine Center
GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6407 (South Carolina)
T-12618

Atlantic Ocean
Baynard Cove
Beach Pond
Broad Creek
Buck Island
* Calibogue Shoal
Calibogue Sound
Daufuskie Island
Forest Beach
Haig Point
Harbour Town
Heddy Gutter Creek

Hilton Head Island
Long Island
Lawton Creek
Palmetto Bay
Palmetto Bay Marina
Point Comfort
Point Comfort Creek
Pope Avenue
Sea Pines Plantation
Shelly Point
White Ibis Pond

Approved by:
A. Joseph Waight
Chief Geographer

Prepared by:
Frank W. Pickett
Cartographic Technician

* Feature not delineated.
49. NOTES FOR THE HYDROGRAPHER

None
I recommend that the following objects which have *not* 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

A. Santillan
J. Puhl, Director, Atlantic Marine Center /Chief of Party/

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<th>SIGNAL NAME</th>
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*Probably Shark Bank Daybeacon, L.L. Vol. 2 (1970) # 5606(c) (private aid) (not listed in 1965 or 1966 L.L.)

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.

* TAILOR SECONDS AND METERS
I recommend that the following objects which have (have-not) been inspected from seaward to determine their value as landmarks be charted on (deleted-from) the charts indicated.

The positions given have been checked after listing by

A. Santillan
J. Bull, Director, Atlantic Marine Center

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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

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING-AIDS OR LANDMARKS FOR CHARTS

Atlantic Marine Center
April 25, 1956
REVIEW REPORT T-12618
SHORELINE
June 24, 1971

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, pages 28 through 32, with differences noted in Items 62 through 65, is bound with the original of this report.

No detailed comparison was made with tributaries within marsh areas.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Surveys T-5134 and T-5135, both 1:20,000 scale, compiled from photographs taken in 1933. Only the northwest side of Hilton Head Island between lat. 32° 07.5' and lat. 32° 09' and the Palmetto Bay area of Broad Creek were compared. Differences between these surveys and T-12618 are shown in blue on the comparison print.

Shoreline on T-12618 around the marsh area south of Shelly Point is approximately 400 meters west of shoreline mapped on T-5134. There are also large shoreline differences in the marsh area east of Palmetto Bay. In other areas compared, the old surveys are in fair agreement with T-12618.

T-12618 supersedes previous topographic surveys for charting purposes and will be superseded by parts of TP-00271, TP-00277 and TP-00279, Project PH-7101, when they are completed.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle BLUFFTON, S.C., scale 1:24,000, dated 1956. Differences between this survey and T-12618 are shown in brown on the comparison print.

An island mapped on the quadrangle at lat. 32° 07.7', long. 80° 50.0' does not exist.

Buck Island is not connected to Bram Point at mean high water as shown on the quadrangle.
The apparent mean high water line around the marsh area east of Palmetto Bay differs considerably with the shoreline mapped on T-12618.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

The most recent hydrographic survey available for comparison was a verified copy of the smooth sheet for H-5571, 1:10,000 scale, dated June 1934. Differences between this survey and T-12618 are shown in purple on the comparison print.

Shoreline is in fair agreement in all areas except marsh areas south of Shelly Point and east of Palmetto Bay. Differences are approximately the same as differences for these areas discussed in Item 62.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 571, scale 1:40,000, 16th edition, dated October 31, 1970. Differences between this chart and T-12618 are shown in red on the comparison print.

The charted positions of Daybeacon 1964 (probably Shark Bank Daybeacon) and Broad Creek Daybeacon 1,1964 are approximately 0.3 mm north of the positions mapped on T-12618.

There is a significant change in the shoreline about 600 meters northeast of Shelly Point. This is not evident on the 1964 photographs.

Charted shoreline along Forest Beach is approximately 0.3 mm (60 meters) inshore from shoreline mapped on T-12618.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with Project Instructions, Bureau requirements, and the National Standards for Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

Charles H. Bishop
Cartographer
June 24, 1971
Approved for forwarding:

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

Approved:

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

Approved:

Chief, Photogrammetric Branch

Jack E. Huth
Chief, Photogrammetry Division
COMPARISON PRINT

Red = Chart 571
Purple = H-5571
Brown = U.S.G.S. BLUFFTON, S. C.

NOTE:
A photogrammetric location and delineation of features above from the mean high-water line on this survey may not be complete or final. The contemporary survey hydrographic survey of the area where available, should be consulted for the final delineation."

charted position of daybeacon

DAYBEACON 1964
(First recorded)
COMPARISON PRINT

Red = Chart 571
Brown = USGS BLUFFTON, S. C.
Purple = H-5571

INDEX TO ADJOINING SHEETS
PROJECT PH-6407

NOTE: Unlabeled circles are photogrammetric plot points; not map features.
T-5134 shoreline and H-5571 shoreline are in close agreement.
control station of third-order or higher accuracy
control station of less than third-order accuracy
water line
defines the mean high water line
defines the outer limits of vegetation visible above
the water
geometric methods from aerial photographs
March 1964
May 1964
March 1966
See Review Report
June 1971

U.S. COAST AND GEODETIC SURVEY
SHORELINE MANUSCRIPT
T-12618
SOUTH CAROLINA
CHARLESTON, S.C. TO SAVANNAH, GA.

CALIBOGUE SOUND
SCALE 1:20,000
(1 inch = 1666.67 ft.)
CONTROL DATA
Polyconic projection: 1927 North American datum
10,000 foot grid based on S.C. (South Zone) plane coordinate system
Datum plane: Mean High Water
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.

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