12619

Form 804
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey  SHORELINE (Photogrammetric)
Field No.  Office No. T-12619

LOCALITY
State  SOUTH CAROLINA
General locality  CHARLESTON, S. C. TO SAVANNAH, GA.
Locality  PORT ROYAL SOUND

19-64-65

CHIEF OF PARTY
Joseph K. Wilson, Chief, Photo Party 6420
Allen L. Powell, Director, A.M.C.

LIBRARY & ARCHIVES

DATE
DESCRIPTIVE REPORT - DATA RECORD

T -12619

PROJECT NO. (III):
Job PH-6407

FIELD OFFICE (III):
Beaufort, South Carolina

CHIEF OF PARTY
Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):
Atlantic Marine Center

OFFICER-IN-CHARGE
Allen L. Powell
Director

INSTRUCTIONS DATED (III) (III):
April 23, 1964  Field
September 28, 1964  Office
December 22, 1964  Office Amendment #1

METHOD OF COMPILATION (III):
Kelsh

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):
MHW

ELEVATIONS SHOWN AS (FT) REFER TO MEAN HIGH WATER
ELEVATIONS SHOWN AS (MSL) REFER TO SOUNDING DATUM
I.E., MEAN LOW WATER OR MEAN LOWER LOW WATER

REFERENCE STATION (III):
GRAVE, 1931

LAT.:
32° 11' 48.462 (1.92.7m)

LONG.:
80° 41' 46.481 (1208.9m)

ADJUSTED
UNADJUSTED

PLANE COORDINATES (IV):

STATE
South Carolina

ZONE
South

150,519.74 ft.  x = 2,078,485.64 ft.

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 (III):**

Ernest W. Hartford  
Matthew A. Stewart  

**DATE:**

June 1964

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

Air photo compilation  
Date of photography March 13, 1964

**PROJECTION AND GRIDS RULED BY (IV):**

A. E. Roundtree (WO)  

**DATE:**

Nov. 1964

**PROJECTION AND GRIDS CHECKED BY (IV):**

P. Hawkins (WO)  

**DATE:**

Nov. 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):**

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

**DATE:**

No data

**STEREOSCOPIC INSTRUMENT COMPIlATION (III):**

- **PLANIMETRY:** B. Wilson  
- **CONTOURS:** Inapplicable  

**DATE:**

May 1966

**MANUSCRIPT DELINEATED BY (III):**

B. Wilson  

**DATE:**

May 1966

**SCRIBING BY (III):**

**DATE:**

**PHOTOGRAMMETRIC OFFICE REVIEW BY (III):**

B. Wilson  

**DATE:**

May 1966

**REMARKS:**


# DESCRIPTIVE REPORT - DATA RECORD

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

W Camera

### PHOTOGAPHS (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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<td>March 13, 1961</td>
<td>0936</td>
<td>1:30,000</td>
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<td>4287</td>
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<td>0937</td>
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<td>5.2</td>
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<td>6,W 4314</td>
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<td>1003</td>
<td></td>
<td>3.7</td>
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<tr>
<td>4315</td>
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<td></td>
<td>1004</td>
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<tr>
<td>4317</td>
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<td>3.7</td>
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<tr>
<td>4318</td>
<td></td>
<td>1005</td>
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<td>3.7</td>
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**Tide (III):** Predicted

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tbody>
<tr>
<td>6.9</td>
<td>6.2</td>
<td>7.3</td>
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</tbody>
</table>

**Reference Station:** SAVANNAH RIVER ENTRANCE, GA.

**Ordinate Station:** FRIFFS INLET, HUNTING ISLAND, S.C.

**SUBORDINATE STATION:**

Atlantic Marine Center

**Proof Edit by (IV):** G. H. Bishop

**Date:** 6-28-71

**Remarks:**

1 new triangulation station established, namely, PORT ROYAL ENTRANCE CHANNEL FRONT RANGE LIGHT, 1964. It was not identified on the photographs.

This station falls to the east of the limits of the map manuscript.

R.E.S.
<table>
<thead>
<tr>
<th>COMPILATION RECORD</th>
<th>COMPILATION DATE</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>Alongshore area for hydro</td>
<td>May 1966</td>
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<tr>
<td>Compilation complete pending</td>
<td>May 1966</td>
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<tr>
<td>Field Edit</td>
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<td></td>
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<tr>
<td>Final Review</td>
<td>June 1971</td>
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</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-12619

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-12619 in the project.

Compilation was by stereo-instrument. All of the photographs for T-12619 are 1:30,000 scale panchromatic, taken 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 in May 1966. Ratio prints of the compilation photography 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 of field identification of control 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.
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, Fort 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>4283 thru 4291</td>
<td>thru</td>
<td>thru</td>
<td>thru</td>
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<tr>
<td>64-S-1206</td>
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<td>4307 thru 4311</td>
<td>4283</td>
<td>4273</td>
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<table>
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<tr>
<th>T-12619</th>
<th>T-12620</th>
<th>T-12621</th>
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<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>
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<tr>
<td>4286 thru</td>
<td>4288</td>
<td>4329 thru 4334</td>
</tr>
<tr>
<td></td>
<td></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
PALMETTO 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
ARCHIE CREEK BEACON 1933
BASE 1 (USE) 1931
BEAUFORT RIVER LIGHT 17, 1955
BEAUFORT RIVER LIGHT 13A, 1955
BUC 1933
BROOKLYN 1859
CHOW 1923
FORT FREMONT OBSERVATION TOWER 1931
GOS 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
BACR 1931
BULL POINT FRONT RANGE 1931
BUCK 2, 1931
FRON 1931
MAG 1931
MARCH 2, 1931
MARTIN 1933
NO 9 (USR) 1931
OCRO 1921
SIEPE 1931
SOUTH 1931
ULMER 1933

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

T-12620
BARNWELL PLACE LIGHT (OCELETHORPE REAR RANGE LIGHT) 1913
BLOODY 1932
BUSH (USE) 1932
ELBA ISLAND FLATS, LIGHT NO 11, 1932
FIELDS COT NO 1 (USR) 1932
LOWER FLATS REAR RANGE LIGHT 1932
LAZAGETTO 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
THREE KNOLL 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, OGIETORPE HOTEL 1933
WRIGHT 1932

T-12621

BRAD 1931
DO 1916
PORT SCREVEN WATER TANK 1932
SAVANNAH BEACH, CASINO SOUTH COFOLA 1913
SAVANNAH BEACH, CASINO NORTH COFOLA, 1913
TYBRISA TANK 1932

4. VERTICAL CONTROL

A search was made for all tidal bench marks within the limits of these maps. Form 6654 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
- Port 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. Wright, 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
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>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>
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<tr>
<td>6</td>
<td>64W 4320 - 4327</td>
</tr>
<tr>
<td>7</td>
<td>64W 4314 - 4337</td>
</tr>
<tr>
<td>8</td>
<td>64W 4326 - 4290</td>
</tr>
<tr>
<td>9</td>
<td>64W 4332 - 4337</td>
</tr>
<tr>
<td>10</td>
<td>64W 4329 - 4290</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. Both 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 Station Director (#90) would not hold. This was probably due to errors in method.
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:

John E. Fritz
John T. Gerlach

Approved by:

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 (INDEX)</th>
<th>DATUM</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>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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<tbody>
<tr>
<td>HILTON HEAD B (USE), 1955</td>
<td>GPs p. 310 N.A. 1927</td>
<td>141,784.14</td>
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<td>HILTON HEAD REAR RANGE LIGHTHOUSE 1900</td>
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<td>GRAVE, 1931</td>
<td>GPs p. 113 PC S p. 143 n</td>
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<td>2,078,485.64</td>
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<td>TON, 1931</td>
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<td>139,164.27</td>
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<td>2,101,736.76</td>
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<td>WAL 4, 1955</td>
<td>PC S p. 112 n</td>
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<td>2,099,648.86</td>
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<tr>
<td>HEAD, 1963</td>
<td>Form 280 n unadjusted</td>
<td>32° 09' 40.070&quot; 80° 18' 17.366&quot;</td>
<td>1234.2 (613.9)</td>
<td>455.0 (1117.1)</td>
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<td>BENCH MARK K 11 1964</td>
<td>GP Vol III p. 421</td>
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1 FT. = 0.3048008 METER

COMPUTED BY: BLB DATE: 12-28-64 CHECKED BY: BHB DATE: 2-2-65
COMPILATION REPORT
T-12619

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
   No statement

37. LANDMARKS AND AIDS
   Landmarks and aids were listed on Form 567 and forwarded to the Washington Office under date May 31, 1966.
38. CONTROL FOR FUTURE SURVEYS

none

39. JUNCTIONS

Junctions were made with T-12618 to the west and T-12615 to the north. The Atlantic Ocean is 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 HILTON HEAD, 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 21, 1960, revised April 1, 1963.

The town of Forest Beach did not appear on the chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Respectfully submitted:

Bernice Wilson
Cartographic Technician

Approved:

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

FINAL NAME SHEET

PH-6407 (South Carolina)

T-12619

Atlantic Ocean
Bass Head
Broad Creek
Coggins Point
Fish Haul Creek
Forest Beach
Hilton Head
Hilton Head Island
Intracoastal Waterway
Joiner Bank
Lighthouse Landing
Port Royal Plantation
Port Royal Sound
Scarborough Head
Skull Creek
The Folly
Whooping Crane Pond

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

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

No photo hydro stations were located but shoreline pass points were established for photo-hydro support.

The check angle for SKULL CREEK DAYBEACON 10, 1964 could not be held. Please verify position.
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**Control Stations**

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<tr>
<td>5. Horizontal Control Stations of Third-Order or Higher Accuracy</td>
<td>6. Recoverable Horizontal Stations of Less Than Third-Order Accuracy (Topographic stations)</td>
<td>7. Photo Hydro Stations</td>
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**Bench Marks**

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<td>BRIDGE (WSC)</td>
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**Alongshore Areas (Nautical Chart Data)**

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**Aids to Navigation**

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**Physical Features**

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**Stereoscopic Instrument Contours**

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**Cultural Features**

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**Boundaries**

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<td>31. Boundary Lines</td>
<td>32. Public Land Lines</td>
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**Miscellaneous**

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<td>33. Geographic Names</td>
<td>34. Junctions</td>
<td>35. Legibility of the Manuscript</td>
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**Discrepancy Overlay**

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**Reviewer**

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<tr>
<td>40. Reviewer</td>
<td>SUPERVISOR, REVIEW SECTION OR UNIT</td>
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<tr>
<td>Bernice Wilson</td>
<td>Bernice Wilson</td>
<td>ACR</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**

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<td>SUPERVISOR</td>
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**Remarks**

43. **Remarks**
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

B. Wilson

J. Bull, Director, Atlantic Marine Center

<table>
<thead>
<tr>
<th>STATE</th>
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<tr>
<td>CHARTING NAME</td>
<td>INTRACOASTAL WATERWAY</td>
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<td>SIGNAL NAME</td>
<td>SKULL CREEK</td>
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<td>POSITION</td>
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<td>LATITUDE</td>
<td>32 15</td>
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<tr>
<td>LONGITUDE</td>
<td>80 15</td>
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<td>METHOD OF LOCATION AND SURVEY NO.</td>
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<td>DATE OF LOCATION</td>
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<tr>
<td>CHARTS AFFECTED</td>
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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
REVIEW REPORT T-12619

SHORELINE

June 28, 1971

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, pages 26 through 30, with differences noted in Items 62, 63, and 65, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with Survey T-5135, scale 1:20,000, compiled from aerial photographs taken in 1933. Differences between this survey and T-12619 are shown in blue on the comparison print.

Skull Creek, at the northwest corner of the map, is not covered by T-5135.

T-12619 supersedes T-5135 for charting purposes and will be superseded by TP-00272, TP-00276 and part of TP-00279, when they are completed.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle HILTON HEAD, S.C., scale 1:24,000, dated 1956. Differences between this map and T-12619 are shown in brown on the comparison print.

There are discrepancies of as much as 0.6 mm (120 meters) in the shoreline bordering the Atlantic Ocean. See Comparison Print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were available for comparison.
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-12619 are shown in red on the comparison print.

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 28, 1971

Approved for forwarding:

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

Approved:

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

Approved:

Chief, Photogrammetric Branch

Chief, Division of Photogrammetry
### 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>
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