**DESCRIPTIVE REPORT**

**Type of Survey**  SHORELINE (Photogrammetric)  
**Field No.**  
**Office No.**  T-12615

**LOCALITY**

**State**  SOUTH CAROLINA  
**General locality**  CHARLESTON TO SAVANNAH  
**Locality**  PARRIS ISLAND

**1964-65**

**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-12615**

**PROJECT NO. (III):**

21420 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, ALMOC

**INSTRUCTIONS DATED (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):**

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):**

**GEOMETRIC DATUM (III):**

N.A. 1927

**VERTICAL DATUM (III):**

Mean High Water

Mean Sea Level except as follows:
Elevations shown as (2) refer to Mean High Water
Elevations shown as (3) refer to Sounding Datum
I.e., Mean Low Water or Mean Lower Low Water

**REFERENCE STATION (III):**

PARRY 2, 1916

**LAT.:**
32° 18' 06.11709(206.7m)

**LONG.:**
80° 41' 06.9309 (165.1m)

**ADJUSTED**

**UNADJUSTED**

**PLANE COORDINATES (IV):**

170,605.20 ft.  x = 2,097,309.88 ft.

**STATE**

South Carolina

**ZONE**

South

*Roman numerals indicate whether the item is to be entered by (III) 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**
- Matthew A. Stewart
- Robert S. Tibbetts
- Erwest W. Hartford
- **Date:**
  - June 1964
  - April 1964
  - May-June 1964

**Mean High Water Location**
- **Method of Location:** Air Photo Compilation
- **Date of Photography:** March 13, 1964

**Projection and Grids Ruled by (IV):**
- A. E. Roundtree
- **Date:** Nov. 1964

**Projection and Grids Checked by (IV):**
- P. Hawkins
- **Date:** Nov. 1964

**Control Plotted by (III):**
- H. Cordell
- **Date:** Jan. 1965

**Control Checked by (III):**
- A. Santillian
- **Date:** Jan. 1965

**Radial Plot or Stereoscopic Control Extension by (III):**
- L. Fritz (WSC)
- J. T. Gerlach (WSC)
- **Date:** No date

**Stereoscopic Instrument Compilation (III):**
- C. Blood
- Reviewed: B. Barnes
- **Date:** June 1965

**Manuscript Delineated by (III):**
- L. Sullivan
- **Date:** July 1965

**Scribing by (III):**

**Photogrammetric Office Review by (III):**
- R. J. Pate
- **Date:** April 1966

**Remarks:**

---

USCOCC-DC 363938-P266
## DESCRIPTIVE REPORT - DATA RECORD

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

W Camera

### PHOTOGRAPHS (III)

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<tr>
<th>NUMBER</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<td>6W</td>
<td>Mar. 13, 1964</td>
<td>09:33</td>
<td>1:30,000</td>
<td>4.7</td>
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<td>1284</td>
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<td>1298</td>
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**TIDE (III) Predicted**

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<tr>
<th>REFERENCE STATION:</th>
<th>SAVANNAH RIVER ENTRANCE, GA.</th>
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<tbody>
<tr>
<td>RATIO OF RANGES</td>
<td>MEAN RANGE</td>
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<td>6.9</td>
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<tr>
<td>ORIGINATE STATION:</td>
<td>SKULL CREEK, NORTH ENTRANCE S.C.</td>
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<td>FRIPPS INLET, HUNTING ISLAND, S.C.</td>
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<tr>
<td>SUBORDINATE STATION:</td>
<td>PARRIS ISLAND, BEAUFORT RIVER, S.C.</td>
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<td>ARCHERS CREEK ENT. BROAD RIVER, S.C.</td>
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</table>

Atlantic Marine Center

REVIEW BY (IV): O. H. Bishop

DATE: 6-3-71

PROOF EDIT BY (IV):

DATE:

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

47

**RECOVERED:**

19

**IDENTIFIED:**

10

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

13

**RECOVERED:**

13

**IDENTIFIED:**

4

**NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):**

None

**NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):**

None

**REMARKS:**
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<th>COMPLETION DATE</th>
<th>REMARKS</th>
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<td>Compilation Complete pending Field Edit</td>
<td>March 1965</td>
<td></td>
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<tr>
<td>Final review</td>
<td>June 1971</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-12615

This shoreline manuscript, scale 1:20,000, is one of 18 maps that comprise Project MH-6407, Charleston, South Carolina to Savannah, Georgia. The sketch on page 5 of this report shows the location of T-12615 in the project.

Compilation was by stereo-instrument. All of the photographs for T-12615 were 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 processed 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 7½ minutes in latitude by 7½ 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 thru</td>
<td>thru thru</td>
<td>4320</td>
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<td>64-S-1206</td>
<td>4307 thru 4311</td>
<td>4283</td>
<td>4273</td>
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<th>T-12620</th>
<th>T-12621</th>
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</thead>
<tbody>
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<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>
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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 L (USE) 1931
BEAUFORT RIVER LIGHT 17, 1955
BEAUFORT RIVER LIGHT 13A, 1955
BUG 1933
BROOKLYN 1859
CHOW 1933
FORT FREMONT OBSERVATION TOWER 1931
DOS 1921
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 (US) 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
BULLPOINT FRONT RANGE 1931
BUCK 2, 1931
FRON 1931
MAG 1931
MARSH 2, 1931
MARTIN 1933
NO 9 (US) 1931
OCCHO 1921
SIETE 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 (OGLETHORPE REAR RANGE LIGHT) 1913
BLOODY 1932
BUSH (US) 1932
ELBA ISLAND FLATS, LIGHT NO 11, 1932
FIELDS CUT NO 1 (US) 1932
LOWER FLATS REAR RANGE LIGHT 1932
LAZARETTI 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 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, OGIETHORPE HOTEL 1933
WRIGHT 1932

T-12681

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

[Signature]
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>
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<tbody>
<tr>
<td>1</td>
<td>64S 1206 - 1227</td>
</tr>
<tr>
<td>2</td>
<td>64W 4269 - 4273</td>
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<td>3</td>
<td>64W 4276 - 4284</td>
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<td>4</td>
<td>64W 4305 - 4312</td>
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<tr>
<td>5</td>
<td>64W 4295 - 4302</td>
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<tr>
<td>6</td>
<td>64W 4290 - 4294</td>
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<tr>
<td>7</td>
<td>64W 4314 - 4327</td>
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<tr>
<td>8</td>
<td>64W 4332 - 4337</td>
</tr>
<tr>
<td>9</td>
<td>64W 4285 - 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. 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 #2 was cabled at control station Queen because Station Arrow (330) would not hold. This was probably due to excess in length.
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:

L.F.

Lawrence Fritz
John T. Gerlach

Approved by:

John D. Ferron, 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 (83 #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.
AEROTRIANGULATION SKETCH
PROJECT 21420
SHORELINE MAPPING
GEORGIA & S.C. CAROLINA
CHARLESTON TO SAVANNAH
9-2-64

Legend Part 1

△ Control used in adjustment
△ Control used as check

1. Otter, 1963
2. South 2, 1933
3. Point, 1902, Y 35, 1913
4. Eding, 1965
5. Hicke, 1963
6. Royal, 1963
7. Bust, 1963
8. Herman, 1935
9. Secession, 1935
10. Finger, 1913
11. Block, 1900, 1913
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<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR ( y )-COORDINATE</th>
<th>LONGITUDE OR ( x )-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>
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<td>NA 1927</td>
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<td>Radar Set FPS-37 (LDMK)</td>
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<td>PARRIS POINT</td>
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<td>SIDE 1933</td>
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<td>191.804.49</td>
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<td>BOB, 1931</td>
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COMPUTED BY: B.L. Barge  
DATE: 12-28-64
CHECKED BY: BHB  
DATE: 2-2-65

M-2388.12
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</table>
COMPILATION REPORT
T-12615

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**

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

36. **OFFSHORE DETAILS**

None

37. **LANDMARKS**

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

None

39. JUNCTIONS

Junctions have been made with T-12619 to the south and T-12616 to the east. No contemporary surveys to the north and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangle Parris Island, S. C., scale 1:24,000, 1956.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 571, scale 1:40,000, dated November 12, 1963 and with Chart 1240, scale 1:80,000, dated April 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Billy H. Barnes
Cartographic Aid

Approved:

Allen L. Powell, RADM, NOAA
Director, Atlantic Marine Center
April 14, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6407 (South Carolina)

T-12615

Archers Creek
Ballast Creek
Bay Point
Bay Point Island
Beaufort River
Bobb Island
Broad River
Chechessee River
*Chowan Reach
*Chowan Spit
Daw Island
Doggie Island
Dolphin Head
Elliots Beach
*Fort Fremont Reach
Hilton Head Island
Horse Island
Intracoastal Waterway
Jericho Island
Lands End

*Middle Shoal
Morse Island Creek
Niver Beach
Page Field
Park Creek
Parris Island
*Parris Island Spit
Parris Point
Pinckney Island
Port Royal Island
Port Royal Sound
Ribbon Creek
St. Helena Island
St. Phillips Island
Seabrook Landing
Seabrook Pond
Skull Creek
Station Creek
Wale Branch

Approved by:

A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

*Feature not delineated,
C.H.B.
49. NOTES FOR THE HYDROGRAPHER

None
<table>
<thead>
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<th>Control Stations</th>
<th>Recoverable Horizontal Stations of Less Than Third-Order Accuracy</th>
<th>Photohydro Stations</th>
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<th>33. Geographic Names</th>
<th>34. Junctions</th>
<th>35. Legibility of the Manuscript</th>
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| Remarks (See attached sheet) |
|------------------------------|----------------------------------|
| Field Completion Additions and Corrections to the Manuscript |

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<th>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.</th>
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43. Remarks
# Nonfloating Aids or Landmarks for Charts

**Atlantic Marine Center**

MAY 28, 1964

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 Billy H. Barnes.

J. Bull, Director, Atlantic Marine Center

Chief of Party

<table>
<thead>
<tr>
<th>State</th>
<th>Charting Name</th>
<th>Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location</th>
<th>Date of Location</th>
<th>Charts Affected</th>
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<tbody>
<tr>
<td>South Carolina</td>
<td>Broad River</td>
<td>Archers Creek Warning Sign, West</td>
<td>32°21'13.3&quot;N</td>
<td>80°44'21.8&quot;W</td>
<td>N.A. Sextant June</td>
<td>T-12615 1964</td>
<td>x 571</td>
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<tr>
<td></td>
<td>Broad River</td>
<td>Archers Creek Warning Sign, East</td>
<td>32°21'5.0&quot;N</td>
<td>80°44'13.6&quot;W</td>
<td>1927 Sextant T-12615 1964</td>
<td>x 1240</td>
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<td>Intracoastal Waterway</td>
<td>Charleston - Savannah River</td>
<td>32°16'41.9&quot;N</td>
<td>80°44'00.192&quot;W</td>
<td>Triang. Verific. June 1964</td>
<td>T-12615 1964</td>
<td>x 571</td>
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<td>Sextant T-12615 1964</td>
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<td>Skull Creek</td>
<td>Entrance Light 3</td>
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<td>Daybeacon 5</td>
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<td>80°44'258.0&quot;W</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*

**By 6-4-71**
### Nonfloating Aids or Landmarks for Charts

**Atlantic Marine Center**

**May 28, 1966**

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 Billy H. Barnes, Chief of Party, and J. Bull, Director, Atlantic Marine Center.

#### South Carolina

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<tr>
<th>Charting Name</th>
<th>Description</th>
<th>Signal Name</th>
<th>Latitude</th>
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<th>Datum</th>
<th>Method of Location and Survey No.</th>
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<th>Charts Affected</th>
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<td>Skull Creek</td>
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<td>Range B Rear Light</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 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
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<th>Description</th>
<th>Signal Name</th>
<th>Latitude °</th>
<th>Longitude °</th>
<th>Datum</th>
<th>Method of Location and Survey</th>
<th>Date of Observation</th>
<th>CHARTS AFFECTED</th>
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<td>June</td>
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<td>36.411</td>
<td>N.A.</td>
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<td>June</td>
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* Tabulate seconds and meters
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<tr>
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<th>Longitude</th>
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<td>PORT ROYAL SOUND BROAD RIVER</td>
<td>Tower, Radar, Skeleton steel 1961, ht=85 (91)</td>
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<td>32°19'</td>
<td>1277.7 80</td>
<td>41.46</td>
<td>21.99</td>
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<td></td>
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<td>318.2</td>
<td>10.331</td>
<td>23.041</td>
<td>Photo</td>
</tr>
<tr>
<td></td>
<td>(MARINE BLACK) 1931 Tank, steel</td>
<td></td>
<td></td>
<td></td>
<td>318.7</td>
<td>1070.0</td>
<td>608.0</td>
<td>Triang.</td>
</tr>
<tr>
<td>STACK</td>
<td>Stack, Brick White ht=71 (78)</td>
<td></td>
<td></td>
<td></td>
<td>33.825</td>
<td>37.919</td>
<td>Triang.</td>
<td></td>
</tr>
<tr>
<td>DOME</td>
<td>(PARRIS ISLAND RADAR, SET F.P.S. 37, 1963)</td>
<td></td>
<td></td>
<td></td>
<td>32°19'</td>
<td>1010.1 80</td>
<td>984.0</td>
<td>Triang.</td>
</tr>
<tr>
<td>TOWER</td>
<td>(PARRIS ISLAND MICROWAVE TOWER 1963) Steel ht=222 (232)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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.

* Tabulate seconds and meters.
REVIEWS REPORT T-12615
SHORELINE
June 3, 1971

61. GENERAL STATEMENT:

See Summary on page 6 of this Descriptive Report.

An exact comparison print, pages 32 through 38, with differences noted in Items 62, 63, and 65, is bound with the original of this report.

No detailed comparison was made within marsh areas.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with registered photogrammetric surveys T-10311, PARRIS ISLAND, S. C., T-10312, CHOWAN RIVER, S. C., T-10316, DOLPHIN HEAD, S. C., and T-10317, FORT FREMONT, S. C., all 1:10,000 scale, and all surveyed in 1955. Differences between these surveys and T-12615 are shown in blue on the comparison print.

Small differences in shoreline may be attributed to erosion or differences in interpretation of the photographs. The most noticeable change by erosion is Bay Point at the southwest end of St. Phillips Island.

The following aids to navigation shown on the old surveys did not exist at the time of field inspection for T-12615:

Battery Creek Daybeacon 1955
Beaufort River Light 22 1955
Beaufort River Light 20 1955
Beaufort River Light 17 1955
Beaufort River Light 13 1955

The aids in Skull Creek appear to be at or near the same positions, although Light 3 and Daybeacon 5 are on new structures.

T-12615 superseded T-10311, T-10312, T-10316 and T-10317 for charting purposes and will be superseded by TP-00271, TP-00272, TP-00274 and TP-00275, Project PH-7101, when they are completed (south of latitude 32°10' 00" only).
63. **COMPARISON WITH MAPS OF OTHER AGENCIES:**

A comparison was made with U.S.G.S. Quadrangle PARRIS ISLAND, S. C., scale 1:24,000, dated 1956. Difference between this survey and T-12615 are shown in brown on the comparison print.

Along the southwest side of Parris Island, the shoreline on the quadrangle is generally inshore from the shoreline on T-12615 — as much as 120 meters just west of Paris Point. Another conspicuous difference is at Bay Point at the southwest end of St. Phillips Island, where the shoreline has eroded about 400 meters at longitude 80° 38.7' and built up about 300 meters at longitude 80° 37.7'.

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. The mean high water line appears to be the same as the mean high water line on Registered Surveys: T-10311, T-10312, T-10316, and T-10317. Where the difference is the same for both the chart and the registered surveys, the difference is shown with a blue line; where the difference varies, the chart difference is shown with a red line.

Charted piers at Seabrook Landing, latitude 32° 15.5', longitude 80° 44.5', appear on photographs 64 W 4289 and 4290 as ruins and are so mapped.

Piling at the entrance to Archers Creek are not visible on the photographs and the charted signs are not in the same position as signs mapped on T-12615.

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 3, 1971
Approved for forwarding:

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

Approved:

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

Approved:

Chief, Photogrammetric Branch
Chief, Photogrammetry Division
COMPARISON PRINT

Blue = T-10311
Brown = USGS PARRIS ID., S. C.

80°45'00"
32°22'30"

x = 2,080,000 FT.

PORT ROYAL ISLAND

Doggie Island
Jericho Island

64-W-4298

SIDE 1964

ARCHERS CREEK WARNING SIGN (WEST) 1964

ARCHERS CREEK WARNING SIGN (EAST) 1964

32°21'

y = 190,000 FT.

Horse Island

64-W-4299

oyster bars
1. PARRIS ISLAND RADAR SET F.P.S. 17 1963 ht=85 95
2. PARRIS ISLAND MICROWAVE TOWER 1963 ht=222 232

LANDMARKS

a. RADAR TOWER 1964 (Skelelton steel) ht=85 91

COMPARISON PRINT

Blue = T-10311 and T-10316
Brown = USGS PARRIS ID., S. C.
Red = Chart 571
COMPARISON PRINT

Blue = T-10316
Brown = USGS PARRIS ID., S.C.
COMPARISON PRINT

Blue = T-10316
Brown = USGS PARRIS ID. , S. C.

SKULL CREEK ENTRANCE LIGHT 3 1964

PORT ROYAL SOUND LIGHT

HILTON HEAD ISLAND

Compilation complete pending field edit
March 1965
COMPARISON PRINT

Blue = T-10317
Brown = USGS PARRIS ID., S. C.
Red = Chart 571

STATION CREEK
DAYBEACON A19, 1955

D SPIT LIGHT 246, 1963

64-W-4310

64-W-4311

64-W-4284

STATION ISLAND 2 1911
Tidal BM

PORT ROYAL 1859

oyster bars

80° 39'
32° 17'
32° 16'

38° 38'
### 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>
</tr>
</thead>
<tbody>
<tr>
<td>571</td>
<td>11/17/71</td>
<td>A. Salcaty</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. (Redacted: 20 - Postponed due to lack of time in rep.</td>
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